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**Uranium Hydrogeochemical and Stream  
Sediment Reconnaissance in Lincoln and  
Flathead Counties, Northwest Montana**

by

**Paul L. Aamodt**

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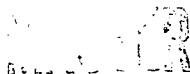
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URANIUM HYDROGEOCHEMICAL AND STREAM SEDIMENT RECONNAISSANCE  
IN LINCOLN AND FLATHEAD COUNTIES, NORTHWEST MONTANA

by

Paul L. Aamodt

ABSTRACT

Between mid-May and late June 1976, 3409 water and water-transported sediment samples were collected from 1781 locations spread over an approximate 17 000-km<sup>2</sup> area of northwestern Montana. All of the samples were analyzed for total uranium at the LASL, using standardized procedures and rigorous quality controls--the waters by fluorometry and the sediment (and those waters with >10 ppb uranium) by delayed-neutron counting methods. The 1684 water samples were collected from five sources, including 1582 streams, 44 natural ponds, 41 springs, 14 artificial ponds, and 3 wells. Of the 1725 sediment samples, 1542 were from active streams, 87 were from dry streams, 41 from wet natural ponds, 38 from flowing springs, 14 from wet artificial ponds, and 3 from other sources. All of the field collection, treatment, and packaging of the samples was performed following strict LASL specifications. The uranium concentrations measured in the waters range from undetectable (<0.2) ppb to 173.6 ppb, but average only 0.66 ppb. The low uranium concentrations in the waters of this area are thought to be due primarily to a general lack of readily soluble uranium and dilution with spring runoff. Those locations which did have abnormally high uranium were examined more closely, and follow-up field examinations are recommended in the vicinity of some of these sites. The uranium content of the sediment samples range from 0.5 ppm to 52.2 ppm and average 4.56 ppm. Sample locations with high and/or anomalous uranium values were examined with respect to the local geology, water chemistry, and other relevant factors. A distinct correlation between the high uranium in sediment and epithermal and mesothermal veins associated with nearby faults and folds is evident at several locations. Areas believed to be favorable for follow-up field investigations based on the sediment data are indicated. A correlation between high uranium in water and high uranium in sediment is evident at only a single location, that of a flowing spring. The generally low uranium concentrations in water and moderate concentrations in sediment seem to indicate that most of the uranium that does exist in this area is bound up in resistant minerals.

## I. INTRODUCTION

This report describes work done by the Los Alamos Scientific Laboratory (LASL) for the Energy Research and Development Administration (ERDA). The ERDA Grand Junction, Colorado, Office (GJO) is responsible for administering a nationwide Hydrogeochemical and Stream Sediment Reconnaissance (HSSR) as part of their National Uranium Resource Evaluation (NURE) program. The HSSR is designed to identify areas within the continental United States and Alaska having higher than normal concentrations of uranium in surface water, groundwater and waterborne sediment. By identifying such areas, the HSSR will aid in the overall assessment of the nation's energy resources, and in addition, it can provide guidance to the private sector for selecting promising areas for future uranium exploration.

The LASL is responsible for completing the HSSR program throughout the Rocky Mountain states of New Mexico, Colorado, Wyoming, and Montana and the state of Alaska. This report covers an area of approximately 17 000 km<sup>2</sup> in extreme northwestern Montana, which is generally bounded by latitude 48° north on the south, the Canadian border on the north, the Idaho state line on the west, and the western boundary of Glacier National Park and longitude 113° 30' on the east. Fig. 1 shows the location of the survey area and the boundaries of the three 1:250 000-scale National Topographic Map Series (NTMS) sheets which, taken together, cover it. Plate I, in the rear pocket, is a geologic base map of the area and is provided for use in evaluating the reported data in relation to the local geology. The appropriate NTMS sheets (Sandpoint, Kalispell, and Cut Bank) can be used in conjunction with the translucent overlays, Plates II, III, and IV (also at a scale of 1:250 000), in the rear pocket, as base maps for identifying drainages, access, relief, etc., in the report area. A few locations sampled near, but just outside, the study area are included to provide overlap and a basis for comparison with areas to be surveyed later. Although this area is not noted for uranium mineralization, its geologic similarity to uraniferous areas farther west (around Spokane, Washington) was considered when selecting it for this survey.

### Field Sampling

During the period from May 18 to June 26, 1976, 1781 locations throughout the northwestern Montana study area were sampled for water and/or water transported sediment by field personnel employed by a commercial firm under contract to the LASL. The sample locations, sample treatments, and field



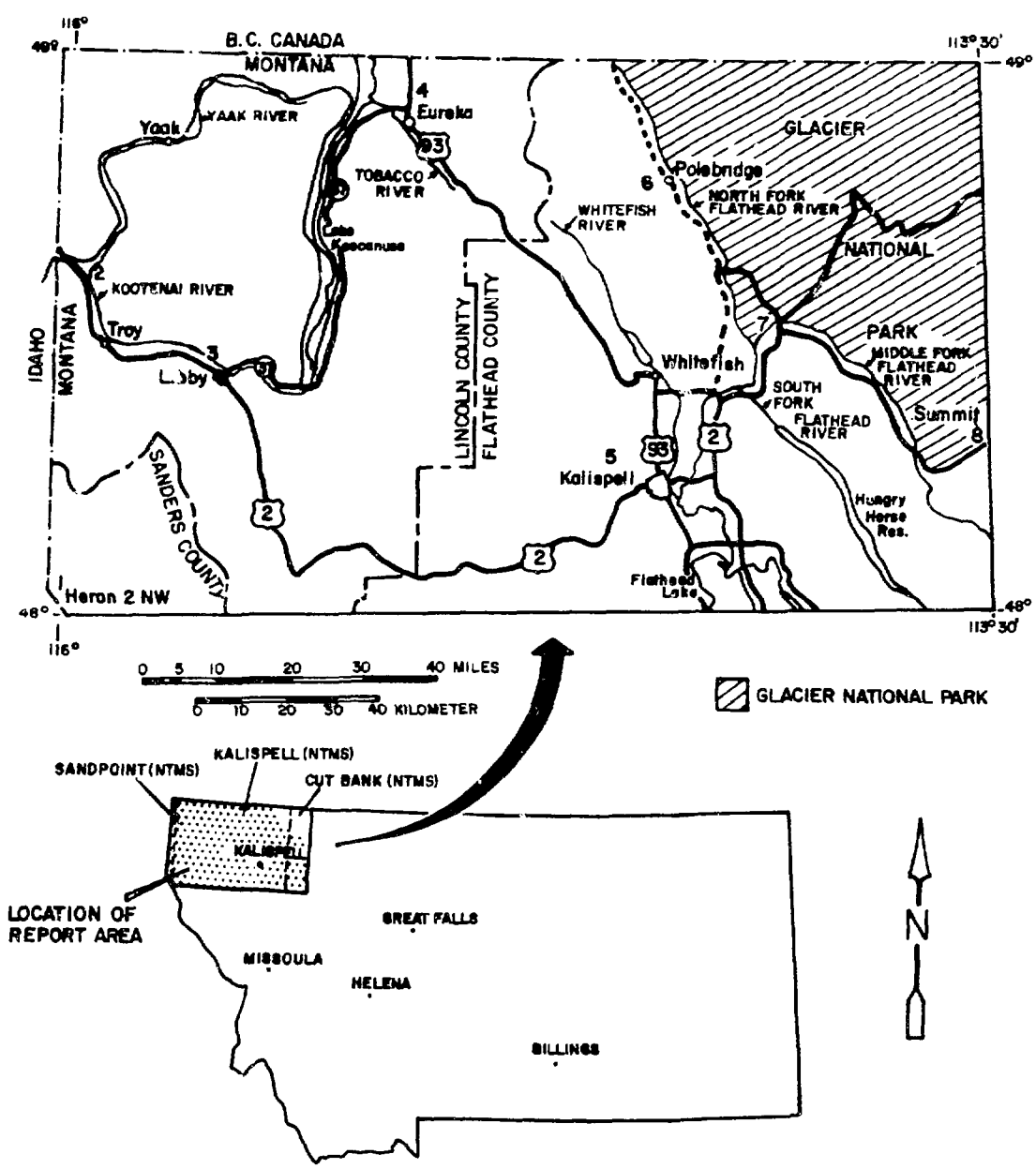


Fig. 1. Location of northwest Montana reconnaissance survey area.

procedures were as specified by the LASL and are briefly described in Appendix A. All samples and field measurements were taken using equipment and materials furnished by the LASL. Throughout the survey, every effort was made to standardize each operation so that the resulting data would be inter-comparable to the greatest extent possible.

### Sample Analysis

Upon delivery to the LASL, all samples were inventoried and then distributed to two LASL analytical laboratories for analysis. All of the water samples were initially analyzed by fluorometry, and those found to exceed 10 parts per billion (ppb) uranium (the upper limit of detection without recalibration of the fluorometer) were also analyzed by a delayed-neutron counting (DNC) technique. A comparison of the uranium in waters analyzed by both fluorometry and DNC has shown that the two analytical methods as used at the LASL are comparable.<sup>1</sup> All of the sediment samples were analyzed for uranium in the parts per million (ppm) range, using the DNC method. Both of the analytical procedures used are described in more detail in Appendix A and in LASL HSSR Quarterly Progress Reports.<sup>2-8</sup> In addition, a report describing the fluorometric method utilized at the LASL is available from the ERDA GJO and other ERDA repositories.<sup>9</sup> As with the field procedures, all of the analytical work was performed using standard techniques and stringent controls to assure maximum accuracy and precision of the uranium data. Histograms for the uranium concentrations measured in the water samples, both combined and separated as to source, and for the sediment samples, likewise combined and separated as to source, are presented in Appendix B.

## II. GEOGRAPHIC SETTING

The report area includes nearly all of Lincoln County and the western three quarters of Flathead County, both in extreme northwestern Montana. The primary industries in this part of Montana are lumbering, ranching, agriculture and tourism. The combined population of Lincoln and Flathead counties is approximately 60 000. The largest towns are Kalispell, Whitefish, and Columbia Falls in Flathead County, and Libby and Troy in Lincoln County. Approximately 80% of the land in the survey area lies within the boundaries of the Kootenai and Flathead National Forests, and the remaining land is either privately held (~15%) or state owned (~5%).

The study area lies totally within the Northern Rocky Mountain Province,<sup>10</sup> which is characterized by parallel, north- and northwest-trending mountain ranges separated by long deep valleys (Fig. 2). The mountains stand 2200 to 2700 m in height, while the valleys are commonly 600 to 1200 m above sea level. Most of the major topographic features in northwestern Montana are related to regional faulting, continental and alpine glaciation, and stream erosion. The mountains are covered with dense forests of pine, tamarack, and fir, while the valleys, except where cleared for agriculture or other purposes, are covered with both evergreen and deciduous trees and shrubs.

### Climate

The climate of northwestern Montana is generally classified as a modified maritime type being dominantly influenced by the Pacific Ocean.<sup>11</sup> Although the temperature and precipitation are normally controlled by Pacific weather, there are times during the winter months when extremely cold, continental

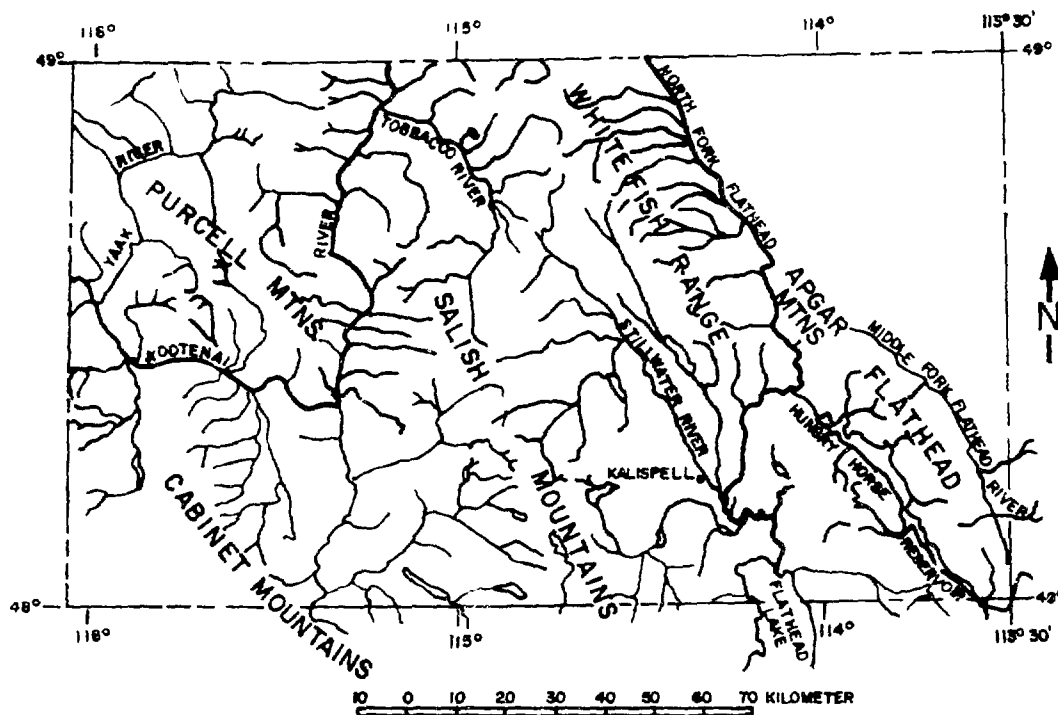


Fig. 2. Major rivers and mountain ranges in northwest Montana.

weather will penetrate from the east, causing relatively brief intervals of extreme cold. The average annual temperature range is from about 7°C in the valleys to less than 2°C in the higher elevations. Summers are typically warm and sunny, while the winter months are cool and cloudy. Annual precipitation ranges from 36.3 cm in the Kalispell valley to more than 100 cm in the mountainous areas, largely as a result of heavy winter snowfall. Table I summarizes the average annual temperature and precipitation for selected weather stations throughout the study area for the years 1970 through 1975. Table II summarizes the temperature and precipitation at these stations during the months in 1976 that the field sampling was performed. For easy reference, the number to the left of each station name in Table II corresponds to the same number on Fig. 1.

### III. HYDROLOGY

Water draining the mountainous regions in Lincoln and Flathead counties flows into the valleys via many short and relatively steep tributaries to the primary streams and rivers. The metasedimentary Belt rocks, the predominant bedrock lithology in the region, are typically dense and impervious. Consequently, groundwater availability in the mountains is generally limited to those areas where the bedrock is fractured, fissured, or faulted. In the larger intermontane valleys, considerable thicknesses of glacial material (till, moraine, and outwash) have been deposited, and in these areas groundwater is plentiful. Recharge takes place along the flanks of the mountains where the glacial deposits pinch out, and discharge is primarily into the streams, rivers, and lakes on the valley floor. In the more populated valleys, a considerable amount of groundwater is pumped from wells for domestic and agricultural use.<sup>11</sup>

Streams and lakes are numerous throughout the area, being fed by heavy winter snow accumulations and moderate summer rains. Many of the numerous small lakes in the area were formed as impoundments behind glacial moraines deposited as the alpine and continental ice sheets retreated. The major intermontane valleys contain well developed (mature) river drainages fed by streams draining the mountain slopes to the west and east. Two large reservoirs, the Hungry Horse, in Flathead County, and Kootenai, in Lincoln County, are contained by dams. Hungry Horse Dam is on the South Fork of the Flathead River, northeast of Kalispell, while Lake Kootenai is formed behind

TABLE I

AVERAGE ANNUAL TEMPERATURE AND PRECIPITATION AT SELECTED  
WEATHER STATIONS IN NORTHWEST MONTANA FOR THE YEARS 1970-1975<sup>a</sup>

| Station        | Average Annual Temperature(°C) |      |      |      |      |      | Average Annual Precipitation (cm) |       |       |      |       |       |
|----------------|--------------------------------|------|------|------|------|------|-----------------------------------|-------|-------|------|-------|-------|
|                | 1970                           | 1971 | 1972 | 1973 | 1974 | 1975 | 1970                              | 1971  | 1972  | 1973 | 1974  | 1975  |
| Heron 2 NW     | 6.8                            | 6.4  | 6.2  | 7.0  | 7.1  | 6.0  | 97.2                              | 99.3  | 88.3  | 74.5 | 95.1  | 91.6  |
| Troy 18 N      | 5.9                            | 6.1  | 5.8  | 6.1  | 6.0  | 5.3  | 80.5                              | 99.4  | 92.1  | 89.8 | 116.8 | 103.7 |
| Libby Dam      | 6.1                            | 6.7  | 6.2  | 6.6  | 7.4  | 6.1  | 41.7                              | 48.0  | 42.5  | 28.9 | 38.4  | 42.7  |
| Eureka R.S.    | 6.6                            | 7.0  | 6.2  | 7.3  | 8.3  | 6.6  | 32.8                              | 34.0  | 34.9  | 23.8 | 26.6  | 33.6  |
| Kalispell A.P. | 5.6                            | 5.7  | 5.5  | 6.7  | 6.8  | 5.3  | 44.1                              | 41.8  | 37.2  | 30.1 | 35.5  | 43.1  |
| Polebridge     |                                | 3.7  | 3.7  | 4.6  |      |      | 66.0                              | 86.2  | 65.0  | 54.7 | 61.6  | 66.3  |
| West Glacier   | 5.3                            | 5.2  | 4.9  | 6.0  | 6.2  | 4.8  | 89.9                              | 91.8  | 80.4  | 64.2 | 75.0  | 82.7  |
| Summit         | 1.9                            | 1.4  | 2.6  | 2.1  |      | 0.7  | 114.7                             | 108.4 | 110.9 | 75.6 | 108.0 | 103.3 |

<sup>a</sup> See Ref. 12.

TABLE II

SUMMARY OF AVERAGE MONTHLY TEMPERATURE AND PRECIPITATION AT  
SELECTED WEATHER STATIONS IN NORTHWEST MONTANA FOR  
THE MONTHS OF MAY AND JUNE 1976<sup>a</sup>

| No.<br>on<br>Fig.<br>1 Station | MAY 1976        |              |             |      | Total<br>Precip.<br>(cm) | JUNE 1976       |              |             | Total<br>Precip.<br>(cm) |
|--------------------------------|-----------------|--------------|-------------|------|--------------------------|-----------------|--------------|-------------|--------------------------|
|                                | Temperature(°C) |              |             | Ave. |                          | Temperature(°C) |              |             |                          |
|                                | Ave.            | Ave.<br>High | Ave.<br>Low |      |                          | Ave.            | Ave.<br>High | Ave.<br>Low |                          |
| 1. Heron 2 NW                  | 11.6            | 20.7         | 2.4         | 4.75 | 12.6                     | 20.2            | 4.9          | 5.84        |                          |
| 2. Troy 18 N                   | 11.3            | 20.6         | 2.1         | 4.57 | 12.3                     | 20.1            | 4.6          | 5.49        |                          |
| 3. Libby Dam                   | 11.8            | 21.6         | 2.1         | 2.72 | 12.9                     | 20.8            | 5.1          | 2.26        |                          |
| 4. Eureka R.S.                 | 10.2            | 22.7         | 3.6         | 3.20 | 13.9                     | 21.8            | 5.9          | 4.93        |                          |
| 5. Kalispell A.P.              | 11.9            | 19.8         | 3.9         | 4.55 | 13.3                     | 20.2            | 6.8          | 4.29        |                          |
| 6. Polebridge                  | 9.5             | 18.9         | 0.1         | 5.03 | 10.2                     | 17.9            | 2.5          | 6.10        |                          |
| 7. West Glacier                | 11.1            | 20.0         | 2.2         | 7.19 | 12.4                     | 19.2            | 5.7          | 8.36        |                          |
| 8. Summit                      | 7.8             | 15.3         | 0.2         | 5.21 | 8.9                      | 15.1            | 2.8          | 6.10        |                          |

<sup>a</sup> See Ref. 12.

Libby Dam on the Kootenai River, east of Libby. Flathead Lake, south of Kalispell, was originally impounded behind glacial material but is now controlled by a dam at its southern end. Detailed information about the water resources of Lincoln and Flathead Counties is available in a water resources survey report issued by the Montana State Engineer's Office.<sup>11</sup>

The waters of northwestern Montana are generally classified as a calcium bicarbonate type having a dissolved-solids range of between 50 and 500 ppm.<sup>13</sup> Various water chemistry measurements taken at selected river and stream sites in this part of Montana are available in the US Geological Survey (USGS) Water Supply Papers published by the US Government Printing Office, Washington, DC, as annual reports, entitled, Quality of Surface Waters of the United States (year), Parts 12-16. Included in these reports are data on water temperature, flow rate, sediment load, hardness, dissolved solids, pH, specific conductance, silica, iron, calcium, magnesium, sodium, potassium, bicarbonate, carbonate, sulfate, chloride, fluoride, nitrate, and boron. Although the measurement sites are almost all located on the primary streams and rivers in northwest Montana (which were usually not sampled for the HSSR), the surface water chemistry is quite uniform throughout the area, and therefore the data are generally representative of the smaller streams as well.

#### IV. GEOLOGY

The following brief descriptions of the geology, structure, mineral districts, and mines in Lincoln and Flathead counties have been compiled largely from a report by W. M. Johns, published in 1970.<sup>14</sup> Other references are cited where appropriate.

Nearly all of northwestern Montana is underlain by thick sequences of Precambrian metasedimentary rocks broadly classed as the Belt supergroup. The Belt strata have been divided into four major subdivisions, which, in ascending order, are the pre-Ravalli, Ravalli, Piegan, and Missoula groups. The lower (pre-Ravalli and Ravalli) and the upper (Missoula) groups are composed primarily of clastic material (originally clay, silt, and sand) altered to argillite, siltite, and quartzite. The middle (Piegan) group is predominantly carbonate (limestone and dolomite) with the clastic content increasing near the upper and lower contacts. The carbonate sequence is thought to have been deposited in shallow to moderate water depths during repeated encroachments of a westerly sea. The total thickness of the Belt

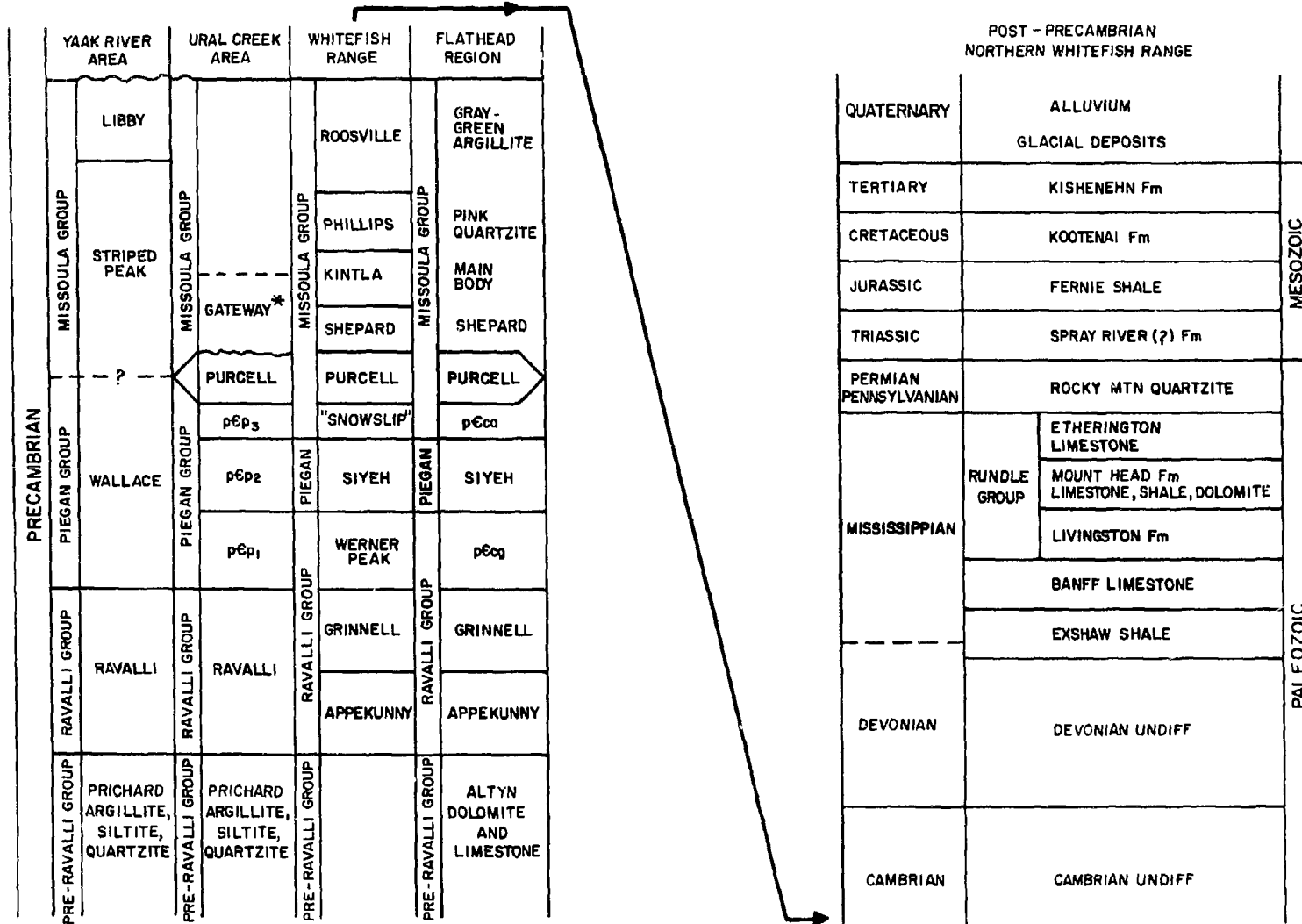
supergroup in northwestern Montana has not yet been determined. However, the maximum measured thickness of combined sections is 20 400 m, measured at two exposures near Alberton, Montana, just south of the survey area.<sup>15</sup> Incomplete sections measured elsewhere in northwest Montana range from 12 200 m (in western Lincoln County) to 6100 m (in the Mission Mountains southeast of Flathead Lake).<sup>16</sup> The names and general stratigraphic relationships of important subunits within the Belt supergroup in northwestern Montana are shown in Fig. 3, along with a generalized post-Precambrian stratigraphic section for units in the northern Whitefish Mountain Range, northwestern Flathead County.

Paleozoic rocks occur at only a few places within the survey area. Cambrian, Devonian, Mississippian, and Pennsylvanian-Permian rocks have been mapped at a few localities in western Lincoln County and northern Flathead County. The Cambrian, Devonian, and Mississippian rocks are predominantly carbonates (limestones and dolomites) and interbedded shales. The basal Cambrian unit is a light gray to brown, medium-grained, quartzitic sandstone. The Pennsylvanian-Permian rocks are well-sorted, fine-grained quartzite, exposed in the northern part of the Whitefish Range near the Canadian border.

Mesozoic rocks are exposed both in the Whitefish Range, and in the Swan Range, south of Hungry Horse Reservoir. Included in the Mesozoic strata are limestones, dolomites, and shales of Jurassic and Cretaceous age. Triassic siltstones and shales, which underlie Jurassic limestone and shale elsewhere in Montana, have not been identified within the survey area.

Cenozoic rocks are exposed in the Northfork and Southfork valleys of the Flathead River, northeast of Kalispell. These limited outcrops include arenaceous shales, vari-colored sandstones, and minor conglomeratic facies. Lignite beds having up to 10 m of aggregate thickness occur in the Tertiary strata (Kishenehn fm) in the Northfork valley. Lignite beds have also been identified in Tertiary strata in the Southfork and Middlefork valleys of the Flathead River.

Quaternary deposits are distributed in all of the intermontane valleys of northwestern Montana. Glacial deposits consisting of till, moraine and outwash material, and lacustrine clay and silt are especially prevalent in the northern valleys and canyons. Recent alluvium is commonly distributed along the drainages of present day rivers and streams.



GATEWAY\* - DESCRIBED BY SHELDON (1961) AS EQUIVALENT SHEPARD FORMATION

AFTER W. JOHNS (1970)

Fig. 3. Simplified correlation of Precambrian sedimentary units in northwestern Montana with post-Precambrian stratigraphy in northwest Flathead County.



## Igneous Rocks in the Area

During late Precambrian and Mesozoic-Cenozoic times, the Belt strata were invaded by a variety of extrusive and intrusive rock types. The Purcell lava (andesite and basalt) was extruded during late Precambrian time as two broad sheets across a large area west of what is now Glacier National Park and extending north into Canada. The Purcell flows generally thicken to the north and west, being as much as 225 m thick in a section measured near Eureka, Montana. East and west of the Eureka area the Purcell lava ranges from 100 to 140 m in thickness. Other basic rocks occur as intrusive dikes and sills at various localities in Lincoln and Flathead Counties. In Lincoln County they are compositionally described as equivalent to metagabbro, hornblende gabbro, amphibolite, and metadiorte. In Flathead County, near Glacier Park, they are described as being metagabbros, but farther south, equivalent intrusives are classified as quartz diorites. The age of these intrusives has not been definitely determined; however, early investigators assigned the more basic units (diorites) to the Precambrian, probably being equivalent to the Purcell lava. The diabasic dikes and sills have been tentatively assigned to the Cretaceous due to their proximity and structural relationship to granitic stocks and dikes of that age described below.

During Late Cretaceous (Laramide) time, diastrophic stress and its subsequent release created the Northern Rocky Mountains. During this period of mountain building, the Precambrian metasediments were intruded by many granitic dikes and stocks. The exposed areas of most of these intrusive bodies are quite limited within the survey area, but farther to the south and southeast, large plutons of Laramide age (Idaho and Boulder Batholiths) are exposed. The intrusive bodies are notable, because nearly all of the significant mining districts in Lincoln and Flathead counties are associated with them. Descriptions of the intrusive bodies are provided in reports by Gibson<sup>17,18</sup> and Gibson, et al.<sup>19-21</sup> Additionally, the report by Johns<sup>14</sup> synthesizes most of the available information on these bodies in considerable detail. Finally, the USGS has conducted airborne geophysical surveys over parts of Lincoln and Flathead Counties, and the resulting aeromagnetic maps (GP-830<sup>22</sup>, -682<sup>23</sup>, -683<sup>24</sup>, and -684<sup>25</sup>) are useful for locating the larger intrusive areas and fault zones, and also for identifying lithologies having relatively high percentages of magnetite.

Volcanic intrusive and extrusive rocks of Tertiary age occur just south of the survey area and approximately 20 km west of Flathead Lake. They are

the host rocks for important silver and lead deposits in the Hog Heaven mining district. The volcanics have been classified as porphyritic andesites, latites, andesitic tuffs, and basalts and are exposed over a 250-km<sup>2</sup> area.<sup>26</sup> A few of the streams draining the Hog Heaven district flow northward and enter the study area along its south-central border.

### Structural Setting

Structurally, northwestern Montana is comprised of an ancient anticlinorium (the Purcell anticlinorium, initially formed in Late Precambrian)<sup>27</sup> of north-northwest-trending folds and faults, which during the Laramide orogeny underwent further folding, extensive block faulting, and thrusting.<sup>22</sup> During Tertiary time, additional, but less extensive, movement took place along some of the major fault systems in the area. The primary tectonic features of northwestern Montana are shown in Fig. 4.

Precambrian strike-slip fault movement has been documented along the western part of the Lewis and Clark line, southwest of the survey area, by Hobbs, et al.<sup>28</sup> Harrison has indicated evidence for Precambrian movement along the Hope fault, which cuts across the extreme southwestern corner of the survey area.<sup>15</sup> Subsequent block faulting during late Mesozoic time resulted in the formation of the Purcell trench, the Libby trough, and the Rocky Mountain trench, all of which are graben structures.<sup>15</sup> During this same period, the Montana "disturbed belt," which trends to the northwest along the eastern boundary of the survey area, and the Kootenai "mobile belt," west of the survey area in Idaho and Washington, were developing. In addition to the gross structural features mentioned, there are numerous other faults, fissures, and joints which are related, either in time or space, to these larger structures. Many of them are described in considerable detail in the 1970 report by Johns.<sup>14</sup> It is important to recognize that most of the intrusive rock occurrences, which are the hosts for nearly all of the economically important mineral deposits in northwest Montana, are associated with structural features.

### Mineral Occurrences in the Area

Since the late 1800's, sporadic mining in eight districts within the survey area has produced several million dollars worth of silver, lead, gold,

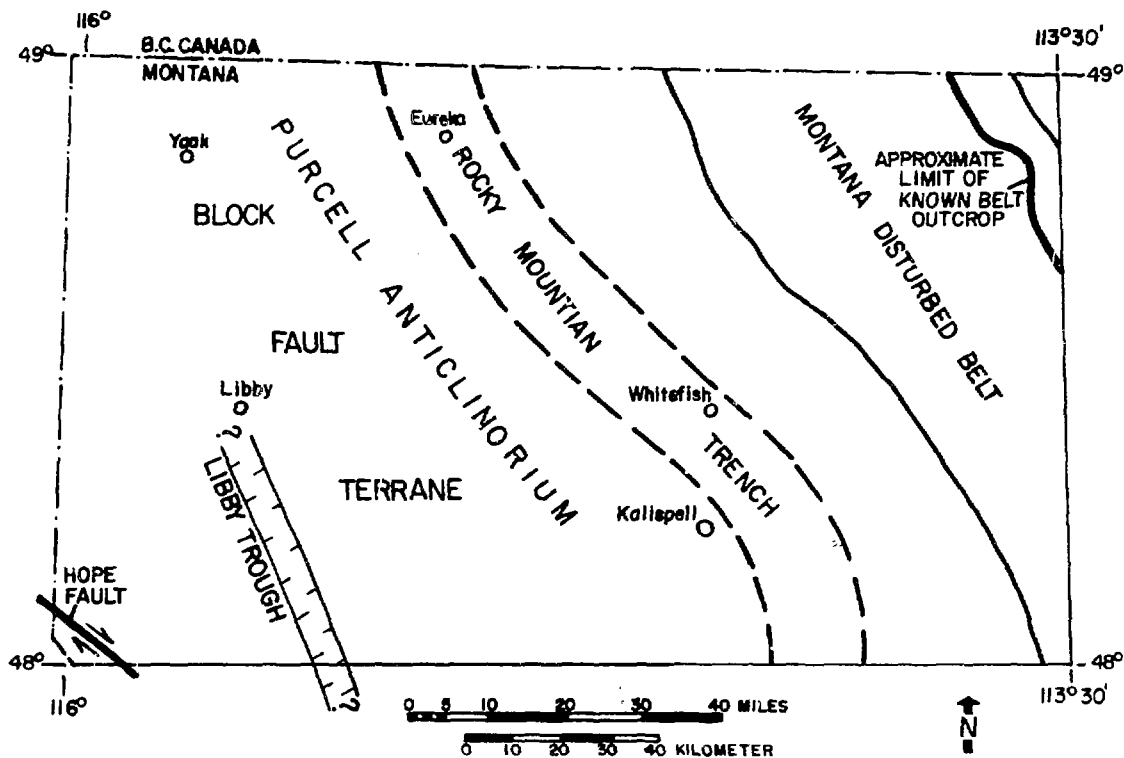
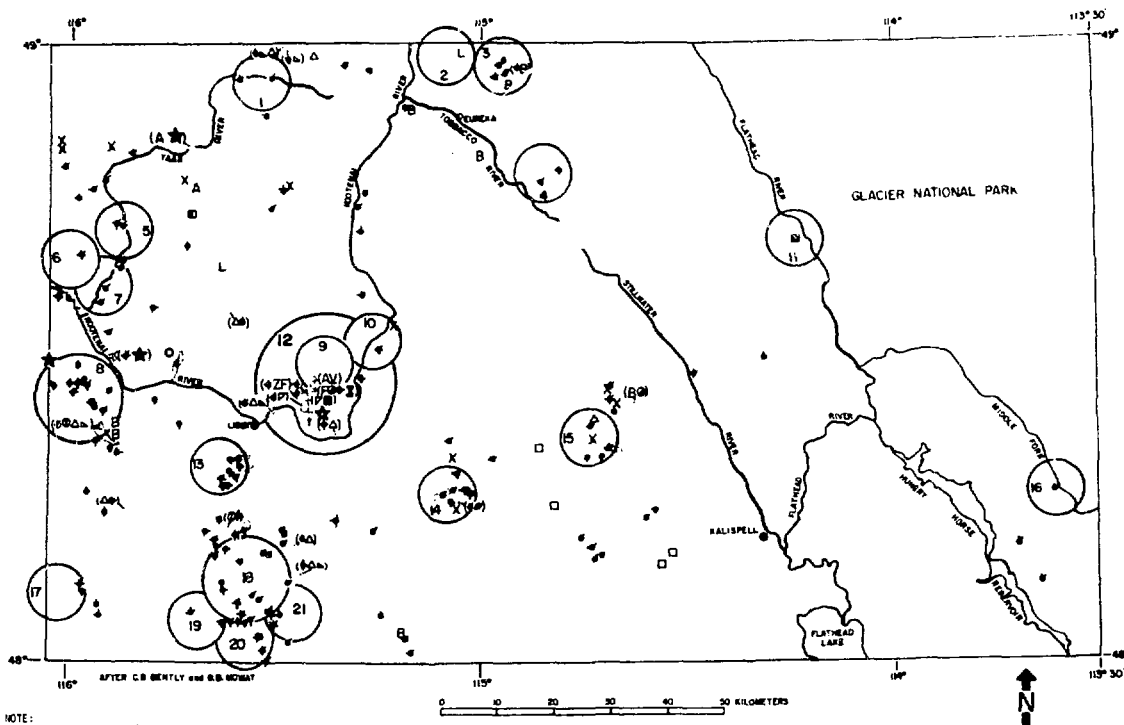


Fig. 4. Tectonic map--northwest Montana.

zinc, and copper, as well as a small amount of tungsten. Most of this ore was produced or originated (in the case of placer deposits) from mesothermal and epithermal veins filling fissures and fractures associated with large faults and folds. Placer gold has been recovered from several stream beds in the western part of the survey area (Lincoln County), and a few streams in the eastern part (Flathead County). The value of the gold and minor quantities of silver produced from placer deposits has been relatively small when compared to the direct production from veins. Non-metallic minerals, in order of decreasing economic importance within the area, include vermiculite, barite, coal, tremolite (asbestos), talc, and limestone. Of these, only the first three have been mined to any significant extent, and only vermiculite is actively produced at present. The locations of mineral producing districts in the study area are given in Fig. 5, and summary descriptions of the major ones are provided in Table III.



NOTE:  
 Areas of numerous or widespread occurrences of one or more minerals are shown by a dotted outline. Symbols are shown inside the outlined area or by a leader. An isolated occurrence of a different mineral within such an area is shown by a dot and a leader.

X Mine or prospect where mineral is known

- |                       |                    |
|-----------------------|--------------------|
| <b>METALS:</b>        | <b>NONMETALS:</b>  |
| ALUMINUM              | ABRASIVES          |
| ARSENIC               | ASBESTOS           |
| COPPER                | BARITE             |
| GOLD                  | FELDSPAR           |
| IRON                  | FLOURSPAR          |
| LEAD                  | LIGNITE            |
| MANGANESE             | LIMESTONE          |
| SILVER                | MICA               |
| TUNGSTEN              | SILICA             |
| URANIUM               | STRONTIUM MINERALS |
| VANADIUM              | TALC               |
| ZINC                  | VERMICULITE        |
| ZIRCONIUM AND HAFNIUM | WOLLASTONITE       |

| MAP NO. | ORE                   | OCCURRENCE | MINE OR DISTRICT NAME                  |
|---------|-----------------------|------------|--|
| 1       | Au                    | placer     | Solo Joe                               |
| 2       | Ls                    | beds       | Stahl                                  |
| 3       | Cu, Ag                | veins      | Eureka                                 |
| 4       | Ag, pb                | veins      | Jager                                  |
| 5       | Au, pb, Ag, Zn        | veins      | Yaak River (Sylvanite)                 |
| 6       | Au, Ag, Cu, pb, Zn    | veins      | Pine Creek                             |
| 7       | Au                    | placer     | Snipetown                              |
| 8       | Pb, Ag, Zn, Au, Cu    | veins      | Troy-Grouse Mtn.                       |
| 9       | Au                    | veins      | Hoyt (H. Star)                         |
| 10      | pb, Zn, Au, Cu        | veins      | Marland                                |
| 11      | Lignite               | beds       | North Fork                             |
| 12      | Vermiculite           | Intrusive  | Rainy Creek                            |
| 13      | Au, Ag, pb            | veins      | Lukens Hazel                           |
| 14      | Au                    | placer     | Tidman, Big Eight, Darling             |
| 15      | Cu, Ag                | veins      | Star Meadow (Faalsberg, West Virginia) |
| 16      | Cu, Au                | veins      | Essex                                  |
| 17      | Ag, pb, Zn            | veins      | Blue Creek, Heron                      |
| 18      | Ag, pb, Au, Zn        | veins      | Libby (Snowshoe)                       |
| 19      | Au, Ag                | veins      | Noson                                  |
| 20      | Au, W, pb, Zn, Cu, Ag | veins      | West Fisher (Cabinet)                  |
| 21      | Au, Ag, Cu, pb, T     | veins      | Higgs                                  |

Fig. 5. Mining districts and mineral deposits--northwest Montana.

TABLE III

SUMMARY DESCRIPTIONS OF MAJOR MINING DISTRICTS  
IN LINCOLN AND FLATHEAD COUNTIES, NORTHWEST MONTANA<sup>a</sup>  
(With reference to locations as shown on Fig. 5)

Lincoln County

Libby District (Nos. 18 and 19 on Fig. 5)--Located on the western flanks of the Cabinet Mountains approximately 35 km south of Libby. Mines in the district have produced lead, silver, and gold (largely from the Snowshoe Mine). Ore occurs in replacement veins in shear zones and faults in Precambrian argillite.

Troy District (No. 8 on Fig. 5)  
--Located in the northwest Cabinet Mountains approximately 10 km southwest of Troy. Mines in the district have produced lead, zinc, copper, and some gold and silver (most prior to 1930). Barite veins also occur in the area. Ore is from replacement veins and fillings in metadiorite dikes cutting Precambrian argillite.

West Fisher District (Nos. 20 and 21 on Fig. 5)--Located near the headwaters of the West Fisher River approximately 40 km south of Libby. Gold, silver, and small amounts of tungsten and sulfide minerals have been produced from quartz veins cutting Precambrian argillite and quartzite of the Prichard Formation.

Sylvanite District (No. 5 on Fig. 5)  
--Located in the Purcell Mountains, on the west side of the Yaak River, approximately 30 km north of Troy. Gold, lead, silver, and zinc have been produced from vein filled fissures.

Warland District (No. 10 on Fig. 5)  
--Located a few km northeast of Warland in the Salish Mountains.

Gold, copper, lead, and zinc have reportedly been mined from quartz veins cutting a syenite stock.

Rainy Creek District (No. 12 on Fig. 5)--Located approximately 15 km northeast of Libby in the Purcell Mountains (Vermiculite Mountain). Large open pit vermiculite mine produces up to 500 tons of concentrate per day from the Rainy Creek Pluton. Other minerals known to occur in the biotite-magnetite-pyroxenite and syenite pluton include tremolite (amphibole asbestos), chalcopyrite, bornite, sphalerite, fluorite, pyrite aegirine, rutile, and calcite. Feldspar, biotite, magnetite, apatite, and pyroxene have been described as being possible future resources.

Flathead County

Star Meadows District (No. 15 on Fig. 5)--Located approximately 40 km northwest of Kalispell and west of Tally Lake. Silver, gold, and copper are associated with quartz and siderite veins in faults cutting Precambrian argillite.

Hog Heaven District (not shown on Fig. 5)--Located approximately 5 km south of the survey area and 25 km west of Flathead Lake, in the Salish Mountains. Silver and lead are mined from dikes and plugs intruding volcanic rocks, from replacement deposits in the volcanics, and from fumarole holes penetrating Precambrian metasediments adjacent to the igneous bodies.

<sup>a</sup> See Ref. 29.

## Uranium Occurrences in the Area

Production of uranium or associated radioactive minerals is not known in northwestern Montana. There are, however, a few locations within or adjacent to the survey area where notable, but minor, occurrences of radioactive minerals have been identified. These local areas having known or suspected uranium mineralization are described below.

In Lincoln County, approximately 10 km west of the town of Troy, Montana, the Oro Mine is located near the headwaters of Ruby Creek. The mine is developed in a quartz vein cutting a metadiorite dike which strikes N40°W. The ore consists of galena, anglesite, chalcopyrite, and pyrite in quartz. Vuggy material within the vein contains abundant iron oxides (~3.3% iron) and assays 5.1% lead. It also has minor amounts of silver and traces of gold, copper, and zinc. At least one assay showed 0.5% nickel in disseminated ore from this locality.<sup>14</sup> In a reconnaissance of the Oro Mine, it is reported that the detectable radiation levels along the quartz veins are locally four to ten times higher than the regional background.<sup>30</sup> The specific radioactive minerals are not identified at this location.

A second location having radioactive mineralization in Lincoln County is situated approximately 7 km east of Libby (3.5 km southwest of Vermiculite Mountain), in the Rainy Creek district. Twelve claims along two parallel quartz-bearing shear zones have been explored. The westerly shear zone (Raven group) contains galena, cerussite, chrysocolla, malachite, and tremolite. The easterly zone (Lucky Mac group) is located approximately 0.4 km to the east, and contains (in addition to quartz) galena, fluorite, and sparse radioactive autunite (calcium uranium phosphate). The radioactivity was detected in bulldozer cuts and pits and has been traced along the shear zone for some 500 m. Although selected vein samples have assayed as high as 17.0% lead and 7.5% zirconium oxide, and show a trace of silver, no production has been reported from the Lucky Mac group.<sup>14</sup>

Approximately 9 km east of Libby and on the southern contact of the Vermiculite Mountain pluton, scintillometer readings made in the mid-1950's indicated local radioactivity. Trenching exposed a diorite dike locally stained with iron and copper oxides and containing pyrite crystals up to 0.6 cm in size. Samples from two locations along the 0.8-km exposure of the dike showed traces of copper, silver, and zinc, and up to 0.2% ( $U_3O_8$ ). It has been speculated that the dike and surrounding country rock (Wallace fm)

contain sparse amounts of autunite. The Kennedy group, as the above claims are known (due to their proximity to Kennedy Gulch), have not been developed beyond the few prospect trenches mentioned.<sup>14</sup>

A fourth radioactive mineral area where autunite has been reported is located approximately 0.8 km northwest of Yaak, in the northwestern corner of the study area. This occurrence, staked as the Esther May claims in 1946, is associated with a 7.6-cm thick syenite vein exposed in a small exploratory pit. The claims have not been developed except for the shallow pit and several exploratory drill holes. The Esther May claims were originally staked on the basis of the tremolite (asbestos) in small veins in the area.<sup>14</sup>

A fifth area described as having minor uranium mineralization is shown on Fig. 5 as being 5 km north-northeast of Troy. No other information about the mineralization at this location was found, and no other occurrences of radioactive minerals in northwestern Montana were noted in the literature. It seems likely, however, that similar but yet unidentified occurrences might exist here, particularly in association with the acidic intrusive rocks. The following sections present a brief evaluation of the survey results, which it is hoped will provide some useful direction for those making a more thorough study of these data.

## V. GEOCHEMICAL NATURE OF URANIUM

There are numerous written reports on hydrogeochemical and stream sediment reconnaissance methods of prospecting for uranium which show that properly designed surveys can be a valuable tool, both for regional resource assessment and as a guide for exploration.<sup>31</sup> The reasons for this, while complex, are basically founded in the fact that uranium is an oxyphile element readily dissolved in and transported by circulating waters under a wide range of natural conditions.<sup>32</sup> It is also easily adsorbed, over a wide pH range, on certain clays, organics, and other carbonaceous matter with which the waters come into contact.<sup>33</sup> Because all natural surface and ground waters do carry uranium in solution in greater or lesser amounts, depending on numerous chemical and physical conditions, they provide an excellent sample medium with which to delineate favorable and unfavorable areas for uranium enrichment.<sup>34,35</sup> Additionally, fine grained, organic rich, water transported sediment provides a complementary sample medium in regions where surface waters are plentiful.

Some of the more important chemical factors which act to control the solubility of uranium in water are pH, specific conductance, Eh, and alkalinity. Of these, pH and specific conductance, which can be quickly and easily determined in the field, were measured in this survey and are included in the data listings of Appendixes C and D. Some of the physical factors acting to control the uranium contents in both water and sediment include the geology, geochemistry, and hydrology of an area, the availability of soluble uranium, the residence time of the waters, the amount of colloids, clays, and organic matter in the water and sediment, the water temperature, the seasonal climate, the weather, and the relationship between surface and ground waters.<sup>36-38</sup>

Summarized below are some of the important relationships of the chemical and physical parameters provided in the data listings of Appendixes C and D to uranium contents as measured in water and sediment.

pH - Uranium is soluble over a wide range of pH,<sup>32</sup> and it is only when extreme high or low values are encountered that it becomes important to interpretation.<sup>39</sup> As pH decreases, uranium content increases.<sup>36,40</sup>

Specific conductance - An increase in total dissolved solids (approximated by specific conductance) will usually be accompanied by an increase in uranium in natural waters.<sup>38,41-44</sup>

Equivalent uranium - A measurement of surface radioactivity (uranium and thorium daughter products) at each location is provided for use alone, or with NURE airborne radiometric results when they become available. An abnormally high value is indicative of local radioactive mineralization.<sup>45</sup>

Temperature - The temperature of the water may influence the measured concentration of uranium to some extent since it controls the rate of certain chemical reactions and biological activity.<sup>36,39</sup>

Geology - Uranium content is generally higher in waters draining certain lithologies (such as acid igneous types).<sup>46,47</sup> Oxidizing groundwaters often circulate in highly fractured, fissured, and faulted terrains and can act to introduce dissolved uranium into the surface waters in favorable areas.<sup>33,34,36,38,48-50</sup>

Organics - The organic content can be crudely approximated from the water description, bottom sediment description, density and type of local vegetation, and water temperature as recorded at the time of sampling. High organic content tends to rapidly adsorb uranium from water and correspondingly



increase uranium in sediment.<sup>38,51</sup> In heavily vegetated terrains, short dispersion trains in stream water, and to a lesser extent in sediment, can therefore result.<sup>33,42</sup>

Relief - Surface waters draining mountainous regions tend to have relatively short dispersion trains of uranium.<sup>52,53</sup>

Weather - Seasonal climatic and weather conditions tend to change the uranium concentrations in surface waters and, to some extent, in sediment.<sup>33,36,37,54</sup> During periods of rapid snowmelt and high runoff, the normal uranium concentrations may be diminished by a factor of 1 to 3 times, due to dilution. Following periods of drought, the uranium content in rainwater runoff has been found to sharply increase for a brief period.<sup>40,54,55</sup> In standing waters, where evaporation is prevalent (lakes and ponds) the uranium content tends to increase.<sup>37,56</sup> Hydrogeochemical surveys should be completed over a short period of time to minimize the influence of seasonal change.<sup>49,57</sup>

Contaminants - The identification of potential sources of contamination, such as metal mines, dump residues, and acid mine waters, can be important to making a correct interpretation of the uranium data.<sup>40,52,58</sup> The use of uranium-rich phosphate fertilizers might increase the uranium concentration of waters in certain agricultural areas.<sup>59</sup>

## VI. STATISTICAL AND EMPIRICAL EVALUATION OF THE WATER DATA

The following section presents basic statistical data for the uranium analyses of water samples from northwestern Montana. All of the sample locations mentioned are designated by number (with the first two digits dropped) on the overlay of Plate II, and the uranium concentrations in water are graphically portrayed on the overlay of Plate III. A summary of the uranium data for all of the water samples combined, as well as for the various individual source types, is provided in Table IV.

Of the total of 1684 water samples reported from within the survey area, 821 were found to have less than detectable concentrations of uranium (<0.2 ppb). All waters analyzed by fluorometry were done in duplicate, with the values shown being the average of the two determinations. Occasionally, one split of a sample would result in a concentration at or slightly above the detectable limit, while the other was below the limit. In such cases, the lower concentration of uranium (<0.2 ppb) was arbitrarily assigned a value of

TABLE IV

SUMMARY OF URANIUM DATA FOR FILTERED AND ACIDIFIED WATER SAMPLES  
COLLECTED IN NORTHWEST MONTANA

| <u>Sample Source</u>   | <u>No. of Samples</u> | <u>Range (ppb)</u> | <u>Mean (ppb)</u> | <u>Standard Dev. (ppb)</u> |
|------------------------|-----------------------|--------------------|-------------------|----------------------------|
| All waters             | 1684                  | 0.10-173.60        | 0.66              | 4.53                       |
| Stream waters          | 1582                  | 0.10- 22.00        | 0.47              | 1.12                       |
| Natural pond waters    | 44                    | 0.10-173.60        | 5.16              | 26.24                      |
| Spring waters          | 41                    | 0.10- 31.40        | 2.95              | 6.62                       |
| Artificial pond waters | 14                    | 0.10- 5.45         | 1.18              | 1.79                       |
| Well waters            | 3                     | 0.10- 0.10         | --                | --                         |

0.1 ppb, and then it and the higher value were averaged. Values for water in the data listings of Appendix C which are between 0.1 and 0.2 ppb were arrived at in this manner. Because of the high number of very low concentrations (<0.2 ppb), it is almost certain that the statistical distribution for the uranium in waters is skewed somewhat toward the high side (i.e., had the actual low concentrations been measured, the mean value (M) for the whole population might be slightly lower than it is when these low concentrations are arbitrarily assigned a value of 0.1 ppb).

There are probably several reasons for so many of the water concentrations being below 0.2 ppb uranium. The most important ones are believed to be seasonal dilution, rapid transit times of the stream waters, and quite possibly a general lack of leachable uranium in this area of Montana. It has been shown that there is a discernable decrease in the amount of dissolved uranium in surface waters at higher latitudes,<sup>38</sup> and this may also be reflected in the numerous low concentrations in northwestern Montana waters.

When evaluating uranium results from mixed water sample populations (different source types), it is important to recognize that they are usually not directly comparable. Several reasons for this are alluded to in the previous section on the geochemical nature of uranium. The results of the

analyses of water samples from northwestern Montana indicate that they are somewhat more statistically comparable than would normally be expected. Only the natural pond waters and spring waters, which have populations of 44 and 41 samples respectively, have notably higher mean values and larger standard deviations ( $\sigma$ ) from the mean than the other sample types. In both cases, these statistical values (Table IV) are skewed to the high side due to the existence within the populations of a few very high uranium concentrations.

In the case of the natural pond waters, if the two highest uranium concentrations (173.60 and 23.50 ppb) are removed, the mean for the remaining 39 samples is 0.71 ppb, which is very close to 0.66 ppb, the mean for all of the water samples combined. The range of these 39 samples is 0.10 to 7.25 ppb, which is well within two standard deviations from the mean for all of the water samples combined.

For the spring waters, it is necessary to remove the six highest values (31.40, 25.20, 19.10, 5.93, 5.72 and 4.02 ppb) to bring the mean of the remaining 35 down to 0.83 ppb, close to the mean for all samples. If only the three highest values are dropped from the spring waters, the mean for the remaining 38 samples is 1.20 ppb uranium. This probably indicates that the spring water population does in fact have a slightly higher average uranium concentration than the other sample types. This is not unexpected, inasmuch as groundwaters generally have been found to contain somewhat higher concentrations of dissolved uranium.<sup>1</sup> For the purpose of a gross interpretation of these data, the difference between the statistical results for the total water population and the small spring water population is not believed to be so great as to require separate evaluations. The histograms provided in Appendix B, however, do separate the uranium data on the basis of sample type (with the exception of three well water samples which were not plotted) and the results portrayed there can be used for making separate and more refined evaluations, if desired. Histograms for both the raw data and log-data distributions are included in Appendix B, but no attempt has been made here to establish which distribution (if either) better represents the data for purposes of interpretation. It should be noted that the concentration intervals used for the histograms in Appendix B were selected arbitrarily on the basis of the range of uranium concentrations and not on the statistical distribution from the mean value, as used on Plates III and IV in the rear pocket.

In a uranium HSSR study of samples from the Estancia Valley, New Mexico, by Olsen, published earlier in 1977,<sup>60</sup> the uranium concentration in waters (grouped by source type) appeared to have a Poisson-like distribution (where  $M \approx \text{variance}$ ). The differences between the mean concentration values and the variance from the mean for all samples combined, and for each grouping by source type, indicates that the northwestern Montana waters probably do not possess a Poisson-type uranium distribution as was indicated for the samples in the New Mexico study. Here again, however, the large number of very low uranium concentrations (<0.2 ppb) may be effectively masking or altering the true statistical distribution, and thus any conclusions derived solely from a statistical treatment of these data are only tentative.

The question of just what constitutes an anomalously high (or low) concentration of uranium in natural waters is difficult to determine, particularly in regional surveys where background concentrations can change from area to area within the region. A simple and reasonably effective guide which is commonly used to select anomaly cutoffs is based on the statistical distribution of the results. Some geochemists use  $M + 2\sigma$  (or the high side of the 95% confidence limit) as the anomaly threshold in hydrogeochemical prospecting, while others use  $M + 3\sigma$  (the high side of the 99% confidence limit).<sup>61</sup> The uranium concentrations plotted graphically on Plate III are differentiated, to the extent possible, using full and half deviations from the mean for all of the samples combined. This was done so that investigators wishing to use either of the above statistical values (or an intermediate one) as anomaly thresholds could do so directly.

There are eight water samples having measured uranium concentrations greater than 14.25 ppb, which is the anomaly threshold, using  $M + 3\sigma$ , for all northwest Montana water samples combined. These eight, plus one additional sample having 12.90 ppb uranium, are all listed in Appendix C-1 as waters analyzed by delayed-neutron counting (DNC). Three of these anomalous uranium concentrations are in spring waters which apparently emanate from Precambrian Belt metasedimentary rock (Plate I). The water from sample location No. 303365 (LASL) was collected ~9 km northwest of Kalispell (Lat.  $48^{\circ} 13' 26''$ , Long.  $114^{\circ} 26' 00''$ ). Agricultural activity was noted on the field data form at this location, but contamination from fertilizers, or other sources which might cause the high uranium concentration (31.40 ppb), is not known. A sediment sample taken at this same location, and described in the following

section, measured 16.60 ppm uranium, which is greater than three standard deviations above the mean for all of the sediment samples combined. The combination of anomalous uranium in both the water and sediment samples collected at this site might well warrant additional investigation. The two other anomalous spring waters (LASL Nos. 303761 and 303778) were collected at separate locations, each approximately 45 km west of Kalispell. Sample location No. 303761 (25.20 ppb uranium) is situated just north of Fisher River (Lat. 48° 07'54", Long. 114° 55'02"). The site is shown on Plate I as being Quaternary alluvium (possibly underlain by Precambrian Ravalli quartzite or argillite). A large fault trending to the north and northwest is mapped just west of the location. No possible sources of contamination or other abnormal conditions were noted on the field data form for this location. In the Pleasant Valley Creek drainage, about 7 km north of the location just mentioned, spring water from location No. 303778 was collected in an agricultural area on the north side of the valley (Lat. 48° 11'27", Long. 114° 55'21"). This site is also mapped on Plate I as covered by Quaternary alluvium and is probably underlain by Precambrian Ravalli metasedimentary bedrock. The fault described as passing to the west of location No. 303761, discussed above, passes just to the east of location No. 303778. It is conceivable that both springs are actually closer to the fault than indicated on the geologic base map (Plate I), and, if so, they may be reflecting mineralization associated with the fault. Sediment samples collected at these two locations do not show corresponding high uranium contents.

Three stream water samples were found to contain more than 14.25 ppb uranium. Two of these samples (LASL Nos. 304722 and 304724) were collected in a single drainage, a tributary of Wolf Creek, located approximately 55 km west of Kalispell (Lat. 48° 16'31", Long. 115° 03'23" and Lat. 48° 16'05", Long. 115° 02'10", respectively). This tributary drains the western slope of Surprise Hill, which is mapped on Plate I as Precambrian Pritchard quartzite. Location No. 304724 (22.00 ppb uranium) is located ~2 km upstream from No. 304722 (19.80 ppb uranium). Agricultural activity was noted in the vicinity of both of these sample locations, but actual contamination due to the use of uranium-rich phosphate fertilizers, or other causes, was not confirmed. It is also notable that ~5 km to the northeast, on Little Wolf Creek, stream water samples taken at location Nos. 304737 and 304739 also have somewhat higher uranium concentrations (5.48 and 5.98 ppb uranium respectively) than other

surface waters in the area. Little Wolf Creek drains the northern slopes of Surprise Hill, as well as mountainous areas to the north and east. The third stream water sample (No. 303381) having an anomalous concentration of uranium (19.80 ppb) was collected from a small easterly flowing stream at Kila (Lat.  $48^{\circ} 07'14''$ , Long.  $114^{\circ} 28'05''$ ). The sample was collected in an area mapped as Quaternary alluvium near its contact with the Precambrian Siyeh limestone and dolomite (Plate I). Again, agricultural activity was noted at this location, but none of the other field data appear unusual.

Using the mean plus three standard deviations to define the anomaly threshold, two natural pond water samples are found to have anomalous uranium concentrations. One is from a pond located just below Lake Rogers (No. 303905, Lat.  $48^{\circ} 03'47''$ , Long.  $114^{\circ} 36'54''$ ). This site is described on the field data form as being a muddy, stagnant pond, but no contamination is noted. The geology here is mapped as Quaternary glacial material and it is probably underlain at depth by Precambrian quartzite and/or argillite (Ravalli fm). The measured uranium concentration of 23.50 ppb may be partly a result of evaporative concentration. Also, the specific conductance of 605 mhos/cm measured at the site is somewhat higher than normal for this area. The second anomalous natural pond water sample, No. 303361 (Lat.  $48^{\circ} 10'42''$ , Long.  $114^{\circ} 21'50''$ ), has the highest measured uranium concentration of any water sample collected in this survey, (173.60 ppb). The sample location is 4 km southwest of Kalispell and just north of Foy Lake. The surface geology at the location is mapped as Quaternary glacial material (underlain by Precambrian Piegan metasedimentary bedrock). Contamination due to urbanization is indicated on the field data form, but even more significant is the very high specific conductance of the water,  $>5000 \mu\text{mhos/cm}$ , which appears to be the key to explaining the high uranium content. Note that the specific conductance listed in Appendix C is simply  $5000 \mu\text{mhos/cm}$ , not  $>5000$  as it should be. Normally, the LASL-furnished conductivity meters can measure to  $50,000 \mu\text{mhos/cm}$ , using a  $\times 10$  range extender insert, but in this case the field notes indicate that the sampler did not bring along the necessary part to make the higher reading. Considering the urban location of the pond, its high specific conductance, and the absence of other high uranium concentrations nearby, the measured uranium content in the water from this site is probably less significant than it first appears. However, a follow-up investigation to determine the uranium source here would certainly seem appropriate.

There are no other anomalously high concentrations of uranium (using the  $M + 3\sigma$  cutoff) in water samples from this area of Montana. However, there is a general trend of increased uranium concentrations (higher background level) in waters sampled in proximity to and south-southeast of the Vermiculite Mountain pluton, east of Libby. These locations are nearly all underlain by Precambrian Wallace metasedimentary rocks (undifferentiated argillites, dolomites, and limestones). Structurally, the area includes a large northwest-trending fault, roughly paralleling the Fisher River Valley. West of the primary fault is a synclinal fold, faulted along its northwest-trending axis. The significance of the relatively high uranium concentrations in the waters of this area is not known.

#### VII. STATISTICAL AND EMPIRICAL EVALUATION OF THE SEDIMENT DATA

The following section presents basic statistical data for the uranium analyses of waterborne sediment samples from northwestern Montana. There were a total of 1725 locations sampled for sediment in the survey area, and the statistical results, by source type, are summarized in Table V, below.

TABLE V  
SUMMARY OF URANIUM DATA FOR SEDIMENT SAMPLES  
COLLECTED IN NORTHWEST MONTANA

| <u>Source</u>                   | <u>Treatment</u>                                       | <u>No.</u> | <u>Range<br/>(ppm)</u> | <u>Mean<br/>(ppm)</u> | <u>Standard<br/>Dev. (ppm)</u> |
|---------------------------------|--|------------|------------------------|-----------------------|--------------------------------|
| All sediment                    | Dried $\leq 100^{\circ}\text{C}$ ,<br>Sieved -100 mesh | 1725       | 0.50-52.20             | 4.56                  | 3.25                           |
| Wet stream sediment             | " "  | 1542       | 0.50-52.20             | 4.56                  | 3.11                           |
| Dry stream sediment             | " "  | 87         | 0.80-17.60             | 3.86                  | 2.28                           |
| Wet natural pond<br>sediment    | " "  | 41         | 1.40-26.00             | 5.99                  | 5.63                           |
| Wet spring sediment             | " "  | 38         | 1.40-33.90             | 5.19                  | 6.30                           |
| Wet artificial pond<br>sediment | " "  | 14         | 2.10- 6.20             | 3.52                  | 1.21                           |
| Dry spring sediment             | " "  | 2          | 1.90& 2.60             | --                    | --                             |
| Dry natural pond<br>sediment    | " "  | 1          | 2.40                   | --                    | --                             |

Included in this total are samples from 1542 wet streams, 87 dry streams, 41 wet natural ponds, 38 wet springs, 14 wet artificial ponds, 2 dry springs, and 1 dry natural pond. The uranium concentration for each individual sediment sample is given in Appendix D, where it should be noted that Type 99 designates the dry spring samples. An explanation of the designators used for all other sample types collected is given on the last page of Appendix E.

All of the sediment samples were analyzed by DNC as described in Appendix A. The measured uranium contents range from a low of 0.50 ppm to a high of 52.20 ppm. The mean uranium concentration for all of the samples combined is 4.56 ppm, and the standard deviation from the mean is 3.25 ppm. Statistical distributions, both for raw uranium data and log uranium data for all of the samples combined and for the individual groups of samples by source type, are presented as histograms in Appendix B-II. The sample locations are again designated by number (with the first two digits dropped) on the overlay of Plate II, and the uranium concentrations found in the various samples are plotted graphically on the overlay of Plate IV.

For purposes of the following discussion, an anomaly threshold value of  $M + 3\sigma$  (14.31 ppm) as determined for all samples combined is used. On this basis, there are 28 samples which can be considered anomalous. Twenty of these are from wet streams, four are from wet natural ponds, three are from wet springs, and one is from a dry stream. For the most part, these anomalous samples occur at isolated locations scattered throughout the survey area. Consequently, only those locations where an obvious clustering of high values occur on Plate IV will be discussed here. This does not mean that the other high concentrations are insignificant, but only that their significance is difficult, if not impossible, to establish on the basis of available data. Except where there is evidence of contamination, follow-up studies at these isolated high uranium locations, including geologic and geochemical checks, might prove worthwhile. These isolated high-uranium sediment locations are listed in Table VI at the end of this section, along with some brief comments about each.

There are two sediment samples from sites located near Kilbrannon Lake, approximately 14 km north of Troy, which have anomalous uranium contents. Sample location No. 303860 (Lat. 48° 35'50", Long. 115° 53'08") is a wet spring having sediment with a measured uranium content of 33.9 ppm. Approximately 1.5 km south of the spring is location No. 303859 (Lat. 48°



35'12", Long. 115° 52'48"), a stream providing sediment with a uranium content of 20.2 ppm. These two locations are on separate tributaries, both of which enter O'Brian Creek a few kilometers to the south. The geology at both sites is mapped on Plate I as Precambrian Ravalli quartzite and argillite, undifferentiated. A northwest-trending fault is projected to pass just to the southwest of both locations. Furthermore, uranium mineralization is indicated in the literature at a location approximately 10 km downstream.<sup>29</sup> An adequate description of this mineralization was not found; however, in this area it is probable that it is associated with fissure filling veins, possibly along the above mentioned fault. The anomalous uranium content of sediments from location Nos. 303860 and 303859, upstream, may also be caused by local mineralization along the fault zone, but a field check is needed for verification of this.

A second stream drainage where a pair of high uranium concentrations in sediment occur is on Keeler Creek, near the western boundary of the study area. Samples taken at location Nos. 303990 (Lat. 48° 20'13", Long. 115° 57'36") and 303991 (Lat. 48° 20'04", Long. 115° 58'36") have measured uranium contents of 11.9 ppm and 22.7 ppm respectively. Possible contamination due to logging activity near site No. 303990 was noted as a comment on the field data form (and listed in the appropriate column of the data listing as being a possible source of contamination "other" than that for which a specific code number is provided). The specific conductance of the water at these sites is very low, 17 and 10  $\mu$ mhos/cm respectively, and the pH is also quite low, being reported as 5.2 pH units at both sites. The low pH of the water would indicate a slightly enhanced capacity to dissolve and transport soluble uranium, and thus the low uranium content of the water at both sites (0.1 ppb) and the high uranium content in the sediment might be explained by the uranium being bound up (possibly in resistate minerals) in the sediment. The lithology at both sites is mapped on Plate I as Precambrian Ravalli fm, quartzite and argillite, undifferentiated. Additionally, there are numerous quartz veins filling fractures in this general area and they too might contribute a substantial quantity of resistate detritus into the local drainages. It is also probable that the vein material contains relatively high uranium mineralization compared to the country rock.

Granite Creek, which flows to the northeast from Big Loaf Mountain, is located approximately 15 km south-southwest of Libby. The core of Big Loaf

Mountain is mapped on Plate I as a granite stock, and several mines or prospects are indicated on the topographic maps of the area. Gold, silver, and lead minerals have been mined from vein deposits in this vicinity (see No. 13 on Fig. 5). Sediment samples from location Nos. 304643 (Lat.  $48^{\circ} 16'49''$ , Long.  $115^{\circ} 41'20''$ ), 304645 (Lat.  $48^{\circ} 17'22''$ , Long.  $115^{\circ} 40'43''$ ), 304646 (Lat.  $48^{\circ} 17'26''$ , Long.  $115^{\circ} 40'26''$ ), and 304647 (Lat.  $48^{\circ} 17'45''$ , Long.  $115^{\circ} 39'40''$ ) have measured uranium contents of 10.5, 28.2, 7.7 and 10.9 ppm respectively. The water data from these sites are similar to those from Keeler Creek discussed above (low pH, conductivity, and uranium), and it is probable that the uranium in the Granite Creek sediment is also tied up in resistate minerals. The possibility of contamination from recreational activity in Granite Creek Canyon was noted on the field data forms, but its true significance is unknown.

Sample No. 304165 (Lat.  $48^{\circ} 24'34''$ , Long.  $115^{\circ} 21'40''$ ), collected in a stream drainage on the southeast flank of Vermiculite Mountain approximately 14 km east-northeast of Libby, had a measured uranium content of 15.8 ppm. Since uranium mineralization was noted in the literature at other places on Vermiculite Mountain (Rainy Creek District), this high content of uranium in sediment might be indicative of local mineralization upstream. The only suspect source of contamination noted at location No. 304165 is from logging activity. Samples collected elsewhere on Vermiculite Mountain (including a dry stream sediment sample from location No. 304681 (4.0 ppm U), in Kennedy Gulch, downslope (?) from an intrusive dike containing some radioactive minerals) generally contain the normal range of uranium for the whole study area.

Three stream sediment samples collected from Warland Creek, approximately 25 km northeast of Libby, all have uranium concentrations notably higher than the average for this area, although none were above the anomaly threshold of  $M + 3\sigma$ . The samples from location Nos. 304893 (Lat.  $48^{\circ} 30'10''$ , Long.  $115^{\circ} 09'57''$ ) with 10.8 ppm uranium, 304894 (Lat.  $48^{\circ} 30'19''$ , Long.  $115^{\circ} 12'40''$ ) with 10.7 ppm uranium, and 304895 (Lat.  $48^{\circ} 30'12''$ , Long.  $115^{\circ} 15'05''$ ) with 11.3 ppm uranium were collected along a 6-km stretch of the creek. Possible agricultural contamination was noted at location Nos. 304894 and 304895, both downstream from No. 304893. Bedrock along Warland Creek is mapped on Plate I as Precambrian Pritchard quartzite. The stream channel follows along the eastward extension of a long fault which trends to the west and northwest

across the Purcell Mountains. The corresponding water samples from Warland Creek had relatively low uranium concentrations ( $<0.42$  ppb). The pH and conductivity readings were typical for waters in this general region (pH between 6.1 and 6.6 pH units; conductivity  $<100$   $\mu$ mhos/cm). The bottom sediment at each location is described as gravel, and there is no indication that the sediment from any of these locations contained excessive organic material (which might increase the uranium contents somewhat, as described previously).

Two sediment samples collected in the Dry Fork Creek drainage, approximately 35 km east of Libby, have anomalous uranium concentrations. The sample from location No. 304747 (Lat.  $48^{\circ} 22'01''$ , Long.  $115^{\circ} 02'16''$ ) had a measured uranium content of 17.60 ppm. This sample was collected from a dry stream bed which drains to the southwest into Dry Fork Creek. Approximately 2 km to the northwest of this site, on Dry Fork Creek itself, a wet stream sediment sample having 16.6 ppm uranium was collected at location No. 304748 (Lat.  $48^{\circ} 22'28''$ , Long.  $115^{\circ} 03'41''$ ). The geology at both sites is mapped as Quaternary glacial deposits (Plate I), probably overlying Precambrian Pritchard quartzite. A north-trending fault is projected to pass very close to location No. 304747 and just to the east of No. 304748. Detritus from vein material weathered from fissures within the fault zone may account for the high uranium concentrations at these two locations. However, a field check is needed for confirmation.

Three streams draining a mountainous area north and northwest of Dahl Lake (about 40 km west of Kalispell) provide sediment samples with relatively high uranium contents. A sediment sample taken from a stream which flows directly into Dahl Lake from the north (location No. 304712, Lat.  $48^{\circ} 09'45''$ , Long.  $114^{\circ} 48'35''$ ), shows a uranium content of 15.0 ppm. About 8 km to the northwest, a stream sediment sample collected on a tributary of Pleasant Valley Creek (location No. 303781, Lat.  $48^{\circ} 12'42''$ , Long.  $114^{\circ} 54'17''$ ) shows a uranium content of 14.7 ppm. About 4 km north of this location, on Coniff Creek, there are three additional sample locations where the uranium concentrations in stream sediment are notably above average for this general area. These are location Nos. 303783 (Lat.  $48^{\circ} 14'21''$ , Long.  $114^{\circ} 55'45''$ ) with 13.9 ppm uranium; 303784 (Lat.  $48^{\circ} 14'67''$ , Long.  $114^{\circ} 52'47''$ ) with 10.8 ppm uranium; and 303785 (Lat.  $48^{\circ} 14'14''$ , Long.  $114^{\circ} 56'19''$ ) with 10.8 ppm uranium. All of these locations are in drainages originating on Pleasant

Valley Mountain, an anticlinal structure mapped as Precambrian Ravalli quartzite and argillite, undifferentiated (Plate I). Possible contamination due to agricultural activity was noted at all five locations. Even so, the source of uranium in these sediment samples is again most likely mineralized veins cutting the local country rock, but this cannot be verified without a field check.

Approximately 15 to 20 km west of Flathead Lake, along the southern boundary of the study area, there are four stream sediment sample locations which have notably high uranium concentrations (Plate IV). These locations, Nos. 303394 (Lat. 48° 03'21", Long. 114° 25'36") with 10.8 ppm uranium; 303396 (Lat. 48° 01'55", Long. 114° 24'44") with 15.7 ppm uranium; 303397 (Lat. 48° 00'51", Long. 114° 24'15") with 13.4 ppm uranium; and 303398 (Lat. 48° 00'04", Long. 114° 26'32") with 12.0 ppm uranium, are located on Wild Bill Creek and a tributary which runs nearly parallel to it on the east. Both creeks originate on Blacktail Mountain and flow northward toward Smith Lake. On the southern slope of Blacktail Mountain, about 8 km southeast of Wild Bill Creek (just south of the map boundary), is a local mining area (Jumbo, Big Four, and Mosher mines) where lead, silver, and copper have been mined from northwest-trending veins that cut Precambrian Ravalli quartzite and argillite.<sup>12</sup>

Geologically, the Wild Bill Creek sample area is very similar to the mining area to the south. The lithology and structure shown on Plate I continue to the southeast through the mineralized area. It is possible that mineralized veins equivalent to those in the mining area also occur in the vicinity of Wild Bill Creek. If so, they could be the source of the increased uranium contents in sediment from that area. Possible contamination due to agricultural activity was noted at all locations except No. 303394, though it is doubtful that this is affecting appreciably the uranium content of the sediment sample. The pH and specific conductance values of the stream waters were all within normal ranges for this area, (i.e., pH < 6.0; conductivity between 20 and 530  $\mu$ mhos/cm).

A sediment sample taken from a pond at location No. 303387 (Lat. 48° 07'47", Long. 114° 26'22"), below Smith Lake (about 10 km downstream from the Wild Bill Creek locations), has a uranium content of 24.7 ppm. This location is described as being a marshy area, with the sediment being rich organic muck. The site is also described as being within a recreational area. The pH of the water is 6.5, which is typical of this region, while the conductivity

of 650  $\mu\text{mhos/cm}$  is slightly above average. The water is described as algal. The high uranium content of the sediment at this location is quite possibly the result of adsorptive concentration in the organic-rich sediment.

Approximately 10 km due north of Smith Lake is a spring, at sample location No. 303365 (Lat.  $48^{\circ} 13'26''$ , Long.  $114^{\circ} 26'00''$ ), which has anomalous uranium in both the sediment (16.6 ppm) and the water (31.4 ppb). As mentioned in the previous section, this is the only location in the survey area having high concentrations of uranium in both the water and sediment samples. The location is along a fault contact between Precambrian Lower Piegan argillite and/or quartzite and Precambrian Ravalli, quartzite and argillite, undifferentiated (Plate I). The site is described as densely vegetated with nearby agricultural activity. The spring sediment is described as a gray mud, and an above-average content of clays and/or organics, if present, could account for the high uranium content of the sediment. The pH (7.2 pH units) and conductivity (625  $\mu\text{mhos/cm}$ ) are slightly higher than usual for the area, but still not abnormal, particularly for groundwater. The temperature of the water was  $13.2^{\circ}\text{C}$ . It is also possible that uranium mineralization along the fault (at an unknown depth) is being reflected at the surface here in both the water and sediment. A follow-up investigation at this site and along the northwest-trending fault is definitely suggested by these data.

East of Flathead Lake, in Flathead Valley, there are seven stream locations with anomalous, or notably high, uranium concentrations in the sediment. Each of the streams have their headwaters in the Swan Range to the east. The sample location Nos. 303502 (Lat.  $48^{\circ} 00'38''$ , Long.  $113^{\circ} 55'38''$ ) through 303506 (Lat.  $48^{\circ} 03'27''$ , Long.  $113^{\circ} 58'10''$ ) and 303509 (Lat.  $48^{\circ} 06'21''$ , Long.  $113^{\circ} 56'31''$ ) are all shown on Plate I as being in an area of alluvial cover. Their headwaters are in an area of Precambrian argillites and quartzites comprising the Grinnell and Appekuny formations. One small fault, trending to the northeast, is mapped near location No. 303509 on Wolf Creek. Possible contamination sources were not noted in the field data at any of these sites. The recorded pH ranges from 4.8 at location No. 303509 to 5.8 at No. 303503, and the specific conductance of the waters is between 44  $\mu\text{mhos/cm}$  at location No. 303504 and 88  $\mu\text{mhos/cm}$  at No. 303505. The uranium content of the sediment from these locations ranges from a low of 5.0 ppm at location No. 303506 to 40.7 ppm at No. 303504, on Schmidt Creek. The source of the uranium

in the sediments of these streams is unknown, but an examination of the geology in the area of their headwaters in the Swan Range is certainly called for. The high uranium content of the pond sediments from location Nos. 303322 (Lat. 48° 09'38", Long. 114° 04'43") with 26.0 ppm uranium and 303337 (Lat. 48° 05'35", Long. 114° 04'23") with 15.1 ppm uranium might also be a reflection of mineralization farther east in the Swan Range.

A group of four sediment samples from locations along Emery Creek and its tributaries, which flow generally south from Desert Mountain into Hungry Horse Reservoir, has uranium contents above the average for this area even though not anomalous, using the  $M + 3\sigma$  threshold. These locations, Nos. 303093 (Lat. 48° 23'50", Long. 113° 54'48") to 303096 (Lat. 48° 25'19", Long. 113° 56'06"), have uranium contents ranging from 5.6 ppm at No. 303093 to 9.8 ppm at No. 303095 (Lat. 48° 25'38", Long. 113° 55'51"). The conductivity of the water reported at location No. 303095 (224  $\mu$ mhos/cm) is 5 to 10 times higher than reported at the other sites, but it is unlikely that this would cause an increase in the uranium content of the sediment. The corresponding water samples from these locations all have uranium concentrations below 0.2 ppb. Emery Creek follows a fault separating Precambrian Grinnell argillite on the east from Missoula argillite and quartzite on the west. Uranium mineralization associated with the fault is again a distinct possibility in this area.

The last remaining locality in which several sediment samples from a single drainage system within the survey area have notably high uranium concentrations is along Yakinikak Creek, about 25 km east of Eureka and 10 km south of the Canadian border. The geology in this area is complex, with three Precambrian formations, the Roosville, Phillips, and Kintla, exposed. Numerous faults also occur in the vicinity and one, which trends northward, is followed by the two headwater branches of Yakinikak Creek. At these sample locations, Nos. 304814 (Lat. 48° 54'49", Long. 114° 37'42") to 304819 (Lat. 48° 53'20", Long. 114° 41'00"), the uranium in sediment ranges from a high of 15.1 ppm (No. 304814) to a low of 8.7 ppm (No. 304819). No possible contaminants are indicated at any of these locations, and the water pH and conductivity values are normal for the region. Here again, detritus from mineralized veins along the fault is indicated as the probable source of the higher uranium concentrations in the stream sediment. A follow-up field reconnaissance in the upper reaches of Yakinikak Creek might verify both the source and extent of the mineralization in this drainage.

In addition to the localities in northwestern Montana providing two or more sediment samples with noteworthy uranium content and discussed above, a number of others are found where only a single, isolated, high-uranium sediment sample is in evidence. These latter sites are listed in Table VI, along with their location numbers and other relevant data.

#### VIII. SUMMARY AND CONCLUSIONS

Natural water and waterborne sediment samples were collected at a density of about 1 per 10 km<sup>2</sup> over a 17 000-km<sup>2</sup> area in Lincoln and Flathead Counties, northwest Montana. Sample collection was carried out during a six-week period between mid-May and late June 1976. A total of 1781 locations were sampled, with 1684 water samples and 1725 sediment samples, for a total of 3409 samples in all being collected. All of the water samples were filtered through a 0.45- $\mu$  membrane filter and acidified to a pH of  $\approx$ 1 with 8N reagent-grade HNO<sub>3</sub>. All of the sediment samples were dried at  $\leq$ 100°C and sieved to retain the -100 mesh fraction for analysis.

Geographically, northwest Montana is dominated by northwest-trending ranges and intermontane valleys. The area is heavily forested, and streams and rivers, fed primarily by winter snows, are numerous. The temperate climate is classified as a modified maritime type, and precipitation is fairly uniformly distributed throughout the year. Geologically, Precambrian Belt metasediments are the predominant bedrock in the area, and these are complexly folded and faulted. Igneous dikes and stocks, often related to major structural features, are common. Quartzitic replacement veins filling fractures and fissures along fault zones and fold axes are also common, particularly in the western part of the survey area. Gold, silver, zinc, and copper have been mined from local placers and vein deposits at a number of places. Vermiculite and associated non-metals are currently mined from a small intrusive pluton in Lincoln County. At least five minor occurrences of radioactive mineralization are noted in the literature on the area, and all are associated with mesothermal or epithermal veins in western Lincoln County.

The water samples were analyzed either by fluorometry (those  $\leq$ 10 ppb uranium) or by DNC (those  $>$ 10 ppb uranium). The measured uranium concentrations in the waters range from  $<$ 0.2 ppb, the lower detection limit of the fluorometric method as used at the LASL at the time, to 173.6 ppb. The highest uranium content in water is in a natural pond sample having the

TABLE VI

LOCATION NUMBERS AND RELEVANT DATA FOR ISOLATED HIGH AND/OR ANOMALOUS SEDIMENT SAMPLES, NORTHWESTERN MONTANA

| LOCATION NO. | LATITUDE  | LONGITUDE  | TOTAL URANIUM (PPM) | PH  | SPECIFIC CONDUCTANCE (CMHOS) | DRAINAGE <sup>a</sup>                              | GEOLOGY <sup>b</sup>     | CONTAMINANTS | PROBABLE URANIUM SOURCE                     |
|--------------|-----------|------------|---------------------|-----|------------------------------|--|--------------------------|--------------|---|
| 303102       | 48°18'02" | 115°45'31" | 44.2                | 5.9 | 98                           | RIVERSIDE CREEK                                    | UNMAPPED                 | N/A          | UNKNOWN                                     |
| 303197       | 48°36'59" | 114°17'34" | 17.7                | 6.5 | 65                           | TRIBUTARY OF BIG CREEK                             | P&E, NW FAULT            | N/A          | VEIN DETRITUS FROM FAULT ZONE               |
| 303245       | 48°15'50" | 114°06'40" | 22.1                | 5.8 | 59                           | UNNAMED STREAM FLOWING WEST OFF BLAIN MOUNTAIN     | P&E, NW FAULT            | N/A          | VEIN DETRITUS FROM FAULT ZONE               |
| 303338       | 48°01'38" | 114°03'46" | 11.5                | 6.5 | 268                          | UNNAMED CREEK FLOWING WEST INTO FLATHEAD LAKE      | P&E, N & NE FAULTS       | AGRICULTURE  | VEIN DETRITUS FROM FAULT ZONE               |
| 303420       | 48°28'28" | 114°19'56" | 17.3                | 6.3 | 64                           | HEADWATERS HASKILL CREEK                           | Q&P&E                    | RECREATION   | UNKNOWN                                     |
| 303483       | 48°41'12" | 114°46'27" | 15.9                | 5.3 | 150                          | UNNAMED CREEK SOUTHEAST OF DICKEY LAKE             | P&E, NW FAULT            | N/A          | VEIN DETRITUS (?)                           |
| 303649       | 48°28'30" | 115°31'04" | 11.6                | 6.4 | 118                          | TRIBUTARY OF PIPE CREEK                            | P&E, NW FAULT            | AGRICULTURE  | VEIN DETRITUS                               |
| 303728       | 48°06'23" | 115°10'49" | 12.7                | 6.5 | 110                          | UNNAMED CREEK NORTH OF HORSESHOE LAKE              | Q&P&E-W-P&E-P, NW FAULTS | N/A          | VEIN DETRITUS                               |
| 303750       | 48°06'25" | 114°52'06" | 14.0                | 6.1 | 125                          | UNNAMED TRIBUTARY OF FISHER RIVER                  | Q&P&E, N ANTICLINE       | AGRICULTURE  | VEIN DETRITUS (?)                           |
| 303759       | 48°02'00" | 114°55'19" | 16.7                | -   | -                            | MCGREGOR CREEK                                     | Q&P&E                    | N/A          | UNKNOWN                                     |
| 303770       | 48°04'00" | 115°02'42" | 13.5                | 6.4 | 225                          | UNNAMED POND ON STREAM NORTH OF THOMPSON LAKES     | P&E, NW FAULT            | N/A          | HIGH ORGANIC CONTENT (?), VEIN DETRITUS (?) |
| 303816       | 48°37'33" | 114°31'34" | 15.3                | 5.0 | 505                          | TRIBUTARY OF SWIFT CREEK                           | P&E-P&E-P&E, NW FAULT    | RECREATION   | VEIN DETRITUS                               |
| 303824       | 48°34'40" | 114°33'57" | 15.1                | 6.5 | 175                          | POND NEAR LAZY CREEK                               | Q&E, NW FAULT            | RECREATION   | VEIN DETRITUS (?), HIGH ORGANICS (?)        |
| 303837       | 48°43'28" | 114°43'46" | 52.2                | 6.0 | 260                          | STILLWATER CREEK                                   | P&E, NW FAULT            | RECREATION   | VEIN DETRITUS                               |
| 303907       | 48°02'35" | 114°39'01" | 23.2                | 6.3 | 109                          | SPRING SOUTHWEST OF LAKE ROGERS                    | Q&P&E, NW FAULT          | AGRICULTURE  | MINERALIZED GROUND WATER ALONG FAULT ZONE   |
| 303915       | 48°05'47" | 114°41'07" | 13.2                | 6.4 | 332                          | UNNAMED STREAM SOUTHEAST OF LITTLE BITTERROOT LAKE | Q&E                      | AGRICULTURE  | UNKNOWN                                     |
| 303931       | 48°08'38" | 114°34'33" | 14.9                | 6.8 | 250                          | UNNAMED STREAM ENTERING LONE LAKE                  | P&E, NW & NE FAULTS      | AGRICULTURE  | VEIN DETRITUS                               |
| 304031       | 48°38'19" | 115°43'23" | 12.9                | 5.7 | 29                           | SEVENTEEN MILE CREEK                               | P&E                      | RECREATION   | VEIN DETRITUS (?)                           |
| 304137       | 48°01'13" | 115°54'22" | 15.8                | 5.5 | 26                           | TRIBUTARY OF ELK CREEK                             | P&E                      | LOGGING      | VEIN DETRITUS (?)                           |
| 304149       | 48°29'26" | 115°39'50" | 11.8                | 5.1 | 20                           | TRIBUTARY OF QUARTZ CREEK                          | Q&P&E                    | N/A          | VEIN DETRITUS (?)                           |
| 304188       | 48°23'00" | 115°15'44" | 12.5                | 5.7 | 117                          | DUNN CREEK   | P&E                      | N/A          | VEIN DETRITUS (?)                           |
| 304198       | 48°25'02" | 115°12'38" | 12.1                | 5.7 | 47                           | CANYON CREEK                                       | P&E, NW FAULT            | N/A          | VEIN DETRITUS                               |
| 304652       | 48°42'41" | 116°02'46" | 12.2                | 6.0 | 43                           | PINE CREEK   | Q&P&E, NW FAULT          | AGRICULTURE  | VEIN DETRITUS                               |
| 304751       | 48°21'57" | 115°13'55" | 12.5                | 5.7 | 36                           | DUNN CREEK   | P&E                      | N/A          | VEIN DETRITUS (?)                           |
| 304835       | 48°44'22" | 114°23'10" | 12.9                | 5.5 | 65                           | MORAN CREEK  | P&E, NW FAULT            | N/A          | VEIN DETRITUS (?)                           |
| 304911       | 48°16'03" | 114°39'42" | 11.3                | 6.5 | 365                          | HEADWATER LOGAN CREEK                              | P&E, NE FAULT            | N/A          | VEIN DETRITUS (?)                           |

<sup>a</sup> AS SHOWN ON APPROPRIATE NIMS 2" SHEET.

<sup>b</sup> AS SHOWN AND DESCRIBED ON PLATE I.



highest specific conductance (>5000  $\mu$ mhos) of any site sampled in northwestern Montana. There are 821 water samples with uranium contents <0.2 ppb, and, in order to treat the results statistically, these samples are arbitrarily assigned a value of 0.1 ppb. On this basis, the mean uranium value for all water samples combined is 0.66 ppb. After dropping the two or three highest values from each sample type (source) population, only the spring waters show a significantly higher mean uranium value (1.2 ppb) than that of all types combined. This greater average uranium content in groundwater corresponds to findings of other investigators in other areas. The results from the water samples do not directly define any of the five known or suspected uranium locations, but this can be explained by any one of several circumstances:

- A. The known radioactive mineralization is quite localized and low grade.
- B. The known radioactive minerals in the area are associated with quartzitic veins and are likely to be largely of primary type or bound up in resistates.
- C. Water samples from the vicinity of the reported radioactive veins are typically several kilometers or more downstream.
- D. Dilution of the sample waters by mixing with snowmelt or tributary stream waters from unmineralized areas would limit the extent of any local uranium haloes in northwestern Montana.

Nevertheless, the analysis of water samples did result in identification of several areas where above average uranium concentrations in the waters are clustered. A few of these localities appear to be good candidates for follow-up investigations.

All of the sediment samples collected in northwestern Montana were analyzed for total uranium, using DNC. The measured concentrations range from 0.5 to 52.2 ppm and, taken together (all sources combined), have a mean uranium content of 4.56 ppm. Using an anomaly cutoff equivalent to the mean value plus three standard deviations ( $M + 3\sigma$ ), 28 samples were found to be anomalous. For the most part, these anomalous samples come from isolated locations scattered throughout the survey area. There are, however, several local areas which have clusters of sediment samples with significantly higher than average uranium concentrations. In almost every case, the sediment samples having high concentrations of uranium are found to have come directly from, or very close to, major fault zones or fold axes. The association of

the high uranium in sediment with structures which are often interlaced with veins indicates that vein detritus might well be the source of the uranium in the water-transported sediment. Furthermore, the generally low uranium content in the local waters would seem to support the premise that most of the uranium is bound up in resistate gangue minerals, such as quartz, which are a major constituent of many veins in the area.

An areal evaluation of the sediment sample data from northwestern Montana indicates that there are several localities where sediments with above average uranium concentrations cluster. Field investigation along structural lineaments and near intrusive bodies upslope from these areas is suggested by the data as holding greatest promise.

#### ACKNOWLEDGMENTS

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**APPENDIX A**  
**SUMMARY OF STANDARD PROCEDURES**  
**USED BY**  
**THE LOS ALAMOS SCIENTIFIC LABORATORY (LASL)**  
**IN THE**  
**US ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION (ERDA)**  
**NATIONAL URANIUM RESOURCE EVALUATION (NURE)**  
**HYDROGEOCHEMICAL AND STREAM SEDIMENT RECONNAISSANCE (HSSR)**  
**(PAGES A-1 THROUGH A-4)**



SUMMARY OF STANDARD PROCEDURES  
USED BY  
THE LOS ALAMOS SCIENTIFIC LABORATORY (LASL)  
IN THE  
US ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION (ERDA)  
NATIONAL URANIUM RESOURCE EVALUATION (NURE)  
HYDROGEOCHEMICAL AND STREAM SEDIMENT RECONNAISSANCE (HSSR)

I. FIELD PROCEDURES

Water Sampling

Water samples are taken directly from the source wherever possible, filtered through a 0.45-micron membrane filter into one each, prewashed and sealed, 41-ml reactor "rabbit" and 25-ml vial (both polyethylene), and both are then acidified to a  $\text{pH} \leq 1$  with 8N, reagent grade,  $\text{HNO}_3$ . All sample containers are doubly labeled with preprinted, adhesive labels carrying the same sample location number preprinted on the field data form. Springs are sampled as near to their point of emergence as possible; stream waters are taken from fast-flowing current away from the bank; ponds (including small lakes and reservoirs) are sampled from just below the surface, away from the bank; and well waters are taken near the wellhead if the well is pumping or from a holding tank if not.

Sediment Sampling (Wet or Dry)

Enough fine-grained, organic-rich, water-transported sediment to yield a composite sample of 25 g after processing (as indicated below) is taken from beneath the water level (where water exists) at three closely adjacent spots at each location. This is done with a polyethylene scoop, after the water sample (if any) is taken. The sediment is put into a new, clean, and originally sealed, rip-top polyethylene bag and properly double-labeled for delivery (with the field data form) to the contractor's drying facility. After drying at  $\leq 100^\circ\text{C}$ , each sample is sieved through stainless steel sieves to -100 mesh. The -100 mesh fraction is put into a prewashed, 25-ml polyethylene vial, appropriately double-labeled (using labels from the data form), and sealed for shipment to the LASL.

Field Measurements

The air temperature, taken in the shade at the time of sampling, is recorded to the nearest whole degree centigrade. The water temperature is measured in the source water and recorded to the nearest one-half degree centigrade. All temperature measurements are made with quality, precalibrated thermometers. The pH of the source water is measured with a calibrated, portable pH meter or multi-range pH paper, and recorded to the nearest one-tenth of a pH unit. The specific conductance ( $\mu\text{mho/cm}$ ) of the source water is measured with a calibrated, temperature compensated ( $25^\circ\text{C}$ ) portable meter after the attached sample cup has first been rinsed three times in the source water. The scintillometer readings, taken on a flat, dry spot within a few meters of the sample location, are measured with a portable scintillometer. Two readings are recorded, the first with a radiation shield in place (blocking out ground radiation), and the second with the shield removed. The readings (in counts/s) are converted by computer to give the equivalent uranium (eU) value set forth in the data listing.

### Field Observations

These represent the best subjective judgment of the field sampler on location, and include very general descriptions of the local bedrock, sediment, water, vegetation, terrain, weather, possible contaminants, and water well configuration, if applicable.

### Sample Location Verification

Each contractor is supplied field maps with the desired sample types and locations symbolically premarked at the LASL. The maps are normally USGS Quadrangles (either 7.5' or 15'), but where not available, Forest Service, State Highway, or other reasonably detailed maps are provided. As each location is sampled, a unique sample location number, preprinted on transparent adhesive labels provided with the identically numbered field data forms, is pasted over the precisely marked site on the field map. The latitude and longitude of each location is computed by the sampling contractor. Every location is later checked (and corrected if necessary) at the LASL by overlaying computer produced location plots on the field maps used. The latitudes and/or longitudes are corrected if the overlay locations are displaced by more than 300 m from the locations marked on the field maps. When a desired location cannot be sampled as specified, an alternate sample type or location as near as possible to the original one is picked, and the new sample type and/or location is/are marked on the field map and properly labeled as above.

## II. ANALYTICAL PROCEDURES

### Water Samples Analyzed for Uranium By Fluorometry

In a controlled laboratory environment, a NaF (98%)-LiF (2%) flux pellet is prepared and placed on a platinum dish. The 25-ml water vial is vigorously shaken and a 0.25-ml aliquot of water is withdrawn and dropped onto a flux pellet, then evaporated under a heat lamp. The sample flux is then heated until fused. After it cools, it is excited with ultra-violet radiation in the fluorometer, and the measured fluorescence is read, recorded, and put through a computer routine using standards and blanks run at the same time to obtain the uranium concentration. Water samples which have uranium concentrations in excess of 10 ppb (the upper limit of detection of the fluorometry system without recalibration) are reanalyzed using the delayed neutron counting technique described below.

### Water Samples Analyzed for Uranium by Delayed Neutron Counting (DNC)

Only waters with >10 ppb uranium are assayed using DNC. Samples taken in the 41-ml rabbits are thoroughly cleaned (exterior) before analysis. Samples received in 25-ml vials (used exclusively in some of the early work) are transferred to clean, labeled, 41-ml rabbits before being analyzed. Each water sample is weighed, and its weight (less that of the rabbit) and location number are recorded. The rabbits are then loaded into a 25-sample transfer clip. The reactor pneumatic transfer system and background radiation levels are checked, and the system is calibrated using four standards. The transfer clip is installed on the pneumatic feed line, and the count control is set (typically, a 60-s irradiation, a 30-s delay, and a 60-s count is used, but

this can be changed to accommodate abnormally high or low uranium concentrations). The samples are cycled through the system and the uranium concentration is automatically measured, computed in ppb, and entered into the data base.

#### Uranium Analysis of Sediment Samples

All sediment samples are analyzed for total uranium by DNC. A split of each sample (dried and sieved as described) is transferred to a clean 4-ml rabbit, weighed (less the tare), and recorded along with the appropriate location number. The readied rabbits are loaded into a 50-sample transfer clip. The reactor pneumatic transfer system and background radiation levels are checked, and the system is calibrated as above. The transfer clip is installed and the count control is set (typically, a 20-s irradiation, a 10-s delay, and a 20-s count is used). The samples are cycled through the system and the uranium concentration is automatically measured, computed in ppm, and entered into the data base.

APPENDIX B

HISTOGRAMS OF URANIUM CONCENTRATIONS  
IN WATER AND SEDIMENT SAMPLES FROM LINCOLN AND FLATHEAD COUNTIES,  
NORTHWEST MONTANA

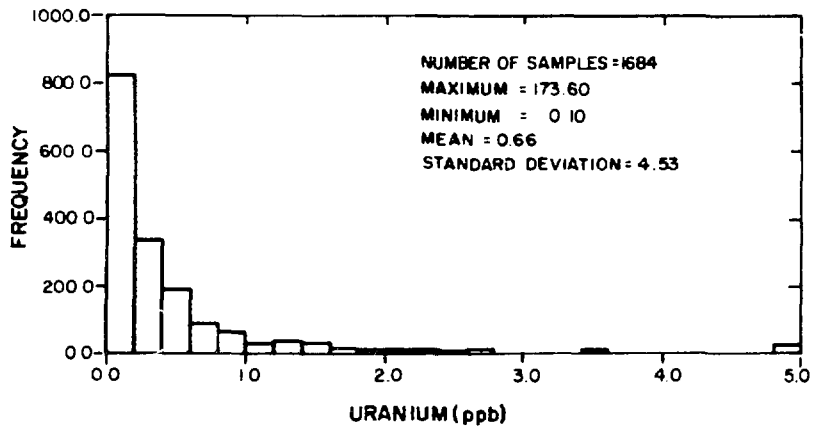
APPENDIX B-I

RAW DATA AND LOG DATA HISTOGRAMS

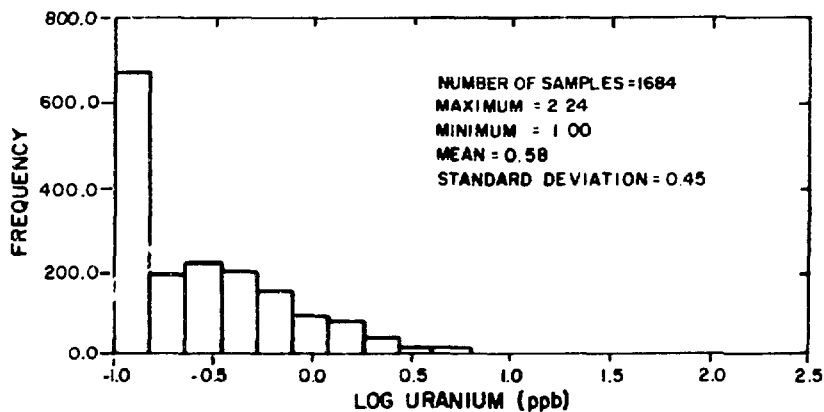
FOR URANIUM IN WATER

(PAGES B-2 THROUGH B-6)

ALL CONCENTRATIONS SHOWN ARE TOTAL URANIUM IN  
PARTS PER BILLION (PPB) FOR FILTERED AND ACIDIFIED SAMPLES  
ANALYZED BY FLUOROMETRY IF  $\leq$  10 PPB OR  
DELAYED NEUTRON COUNTING IF  $>$  10 PPB

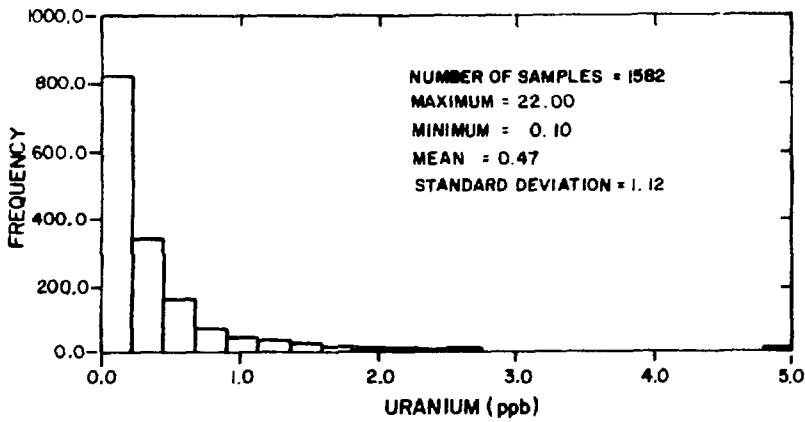


| Range |       | Frequency |
|-------|-------|-----------|
| 0.0   | 0.2   | 821       |
| 0.2   | 0.4   | 338       |
| 0.4   | 0.6   | 191       |
| 0.6   | 0.8   | 87        |
| 0.8   | 1.0   | 62        |
| 1.0   | 1.2   | 30        |
| 1.2   | 1.4   | 33        |
| 1.4   | 1.6   | 30        |
| 1.6   | 1.8   | 17        |
| 1.8   | 2.0   | 8         |
| 2.0   | 2.2   | 10        |
| 2.2   | 2.4   | 8         |
| 2.4   | 2.6   | 6         |
| 2.6   | 2.8   | 7         |
| 2.8   | 3.0   | 2         |
| 3.0   | 3.2   | 2         |
| 3.2   | 3.4   | 2         |
| 3.4   | 3.6   | 4         |
| 3.6   | 3.8   | 0         |
| 3.8   | 4.0   | 1         |
| 4.0   | 4.2   | 1         |
| 4.2   | 4.4   | 0         |
| 4.4   | 4.6   | 3         |
| 4.6   | 4.8   | 1         |
| 4.8   | 173.6 | 20        |

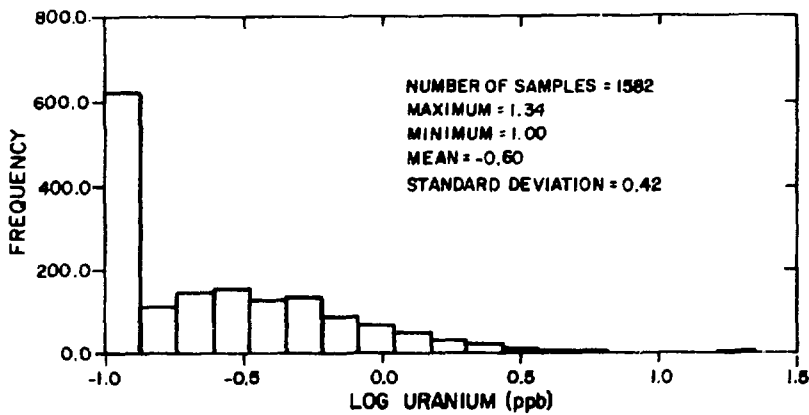


| Range |       | Frequency |
|-------|-------|-----------|
| -1.00 | -0.82 | 671       |
| -0.82 | -0.64 | 193       |
| -0.64 | -0.46 | 220       |
| -0.46 | -0.28 | 199       |
| -0.28 | -0.10 | 151       |
| -0.10 | 0.08  | 95        |
| 0.08  | 0.26  | 80        |
| 0.26  | 0.44  | 38        |
| 0.44  | 0.62  | 13        |
| 0.62  | 0.80  | 14        |
| 0.80  | 0.98  | 1         |
| 0.98  | 1.16  | 1         |
| 1.16  | 1.34  | 3         |
| 1.34  | 1.52  | 4         |
| 1.52  | 1.70  | 0         |
| 1.70  | 1.88  | 0         |
| 1.88  | 2.06  | 0         |
| 2.06  | 2.24  | 1         |

URANIUM IN WATER---ALL SAMPLES COMBINED

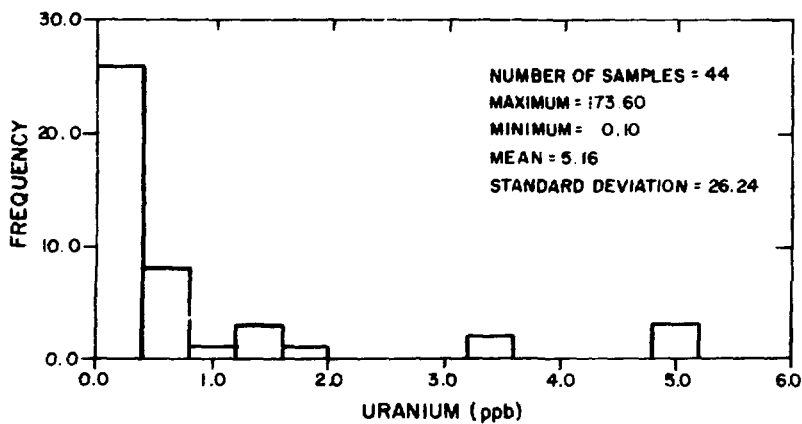


| Range |      | Frequency |
|-------|------|-----------|
| 0.0   | 0.2  | 824       |
| 0.2   | 0.5  | 342       |
| 0.5   | 0.7  | 166       |
| 0.7   | 0.9  | 73        |
| 0.9   | 1.1  | 46        |
| 1.1   | 1.4  | 34        |
| 1.4   | 1.6  | 26        |
| 1.6   | 1.8  | 15        |
| 1.8   | 2.1  | 9         |
| 2.1   | 2.3  | 8         |
| 2.3   | 2.5  | 6         |
| 2.5   | 2.7  | 9         |
| 2.7   | 3.0  | 3         |
| 3.0   | 3.2  | 2         |
| 3.2   | 3.4  | 1         |
| 3.4   | 3.7  | 3         |
| 3.7   | 3.9  | 0         |
| 3.9   | 4.1  | 1         |
| 4.1   | 4.3  | 0         |
| 4.3   | 4.6  | 1         |
| 4.6   | 4.8  | 3         |
| 4.8   | 22.0 | 10        |

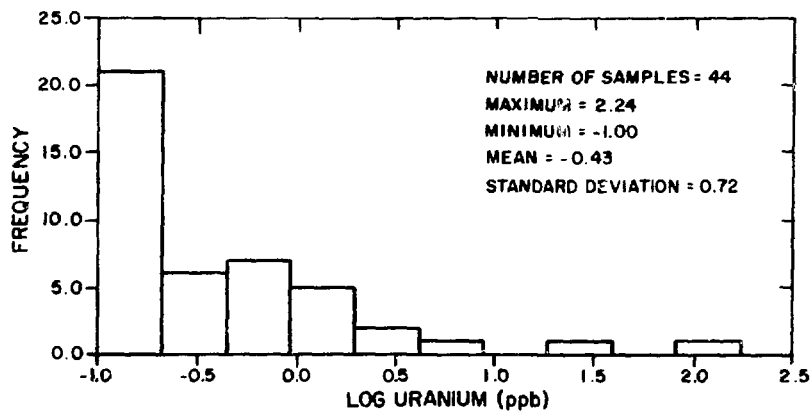


| Range |       | Frequency |
|-------|-------|-----------|
| -1.0  | -0.87 | 619       |
| -0.87 | -0.74 | 113       |
| -0.74 | -0.61 | 145       |
| -0.61 | -0.48 | 151       |
| -0.48 | -0.35 | 126       |
| -0.35 | -0.22 | 132       |
| -0.22 | -0.09 | 88        |
| -0.09 | 0.04  | 69        |
| 0.04  | 0.17  | 54        |
| 0.17  | 0.30  | 34        |
| 0.30  | 0.43  | 25        |
| 0.43  | 0.56  | 11        |
| 0.56  | 0.69  | 6         |
| 0.69  | 0.82  | 5         |
| 0.82  | 0.95  | 0         |
| 0.95  | 1.08  | 0         |
| 1.08  | 1.21  | 1         |
| 1.21  | 1.34  | 3         |

URANIUM IN WATER FROM STREAMS ONLY

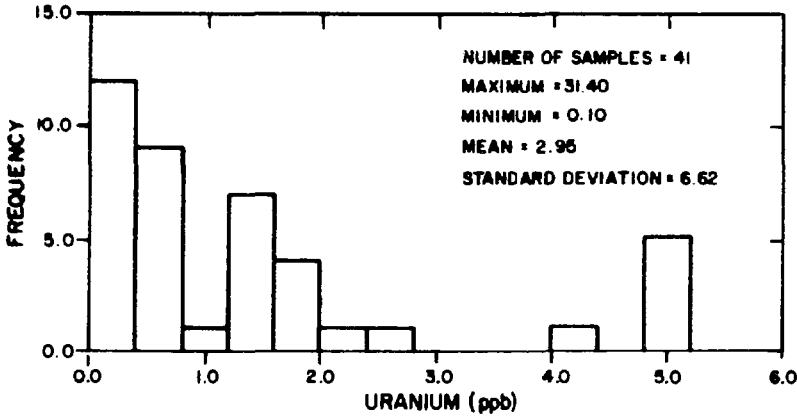


| Range |       | Frequency |
|-------|-------|-----------|
| 0.0   | 0.4   | 26        |
| 0.4   | 0.8   | 8         |
| 0.8   | 1.2   | 1         |
| 1.2   | 1.6   | 3         |
| 1.6   | 2.0   | 1         |
| 2.0   | 2.4   | 0         |
| 2.4   | 2.8   | 0         |
| 2.8   | 3.2   | 0         |
| 3.2   | 3.6   | 2         |
| 3.6   | 4.0   | 0         |
| 4.0   | 4.4   | 0         |
| 4.4   | 4.8   | 0         |
| 4.8   | 173.6 | 3         |

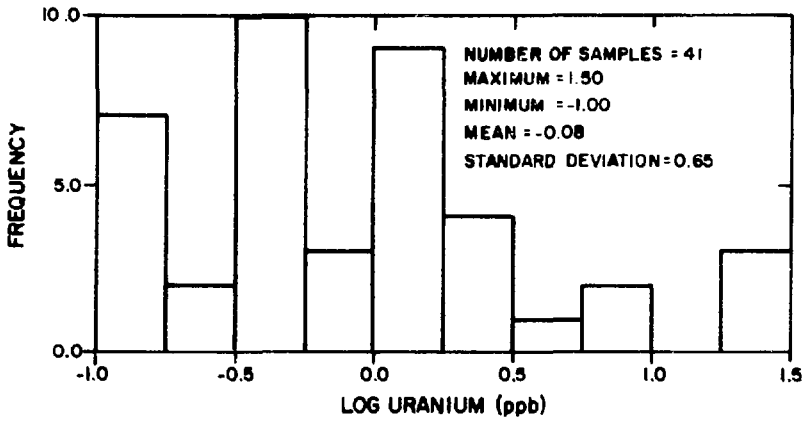


| Range |       | Frequency |
|-------|-------|-----------|
| -1.00 | -0.68 | 21        |
| -0.68 | -0.35 | 6         |
| -0.35 | -0.03 | 7         |
| -0.03 | 0.30  | 5         |
| 0.30  | 0.62  | 2         |
| 0.62  | 0.94  | 1         |
| 0.94  | 1.27  | 0         |
| 1.27  | 1.59  | 1         |
| 1.59  | 1.92  | 0         |
| 1.92  | 2.24  | 1         |

URANIUM IN WATER FROM NATURAL PONDS ONLY



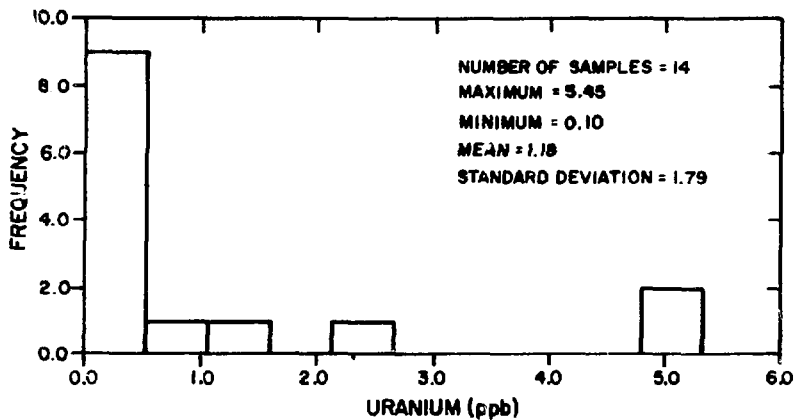
| Range |      | Frequency |
|-------|------|-----------|
| 0.0   | 0.4  | 12        |
| 0.4   | 0.8  | 9         |
| 0.8   | 1.2  | 1         |
| 1.2   | 1.6  | 7         |
| 1.6   | 2.0  | 4         |
| 2.0   | 2.4  | 1         |
| 2.4   | 2.8  | 1         |
| 2.8   | 3.2  | 0         |
| 3.2   | 3.6  | 0         |
| 3.6   | 4.0  | 0         |
| 4.0   | 4.4  | 1         |
| 4.4   | 4.8  | 0         |
| 4.8   | 31.4 | 5         |



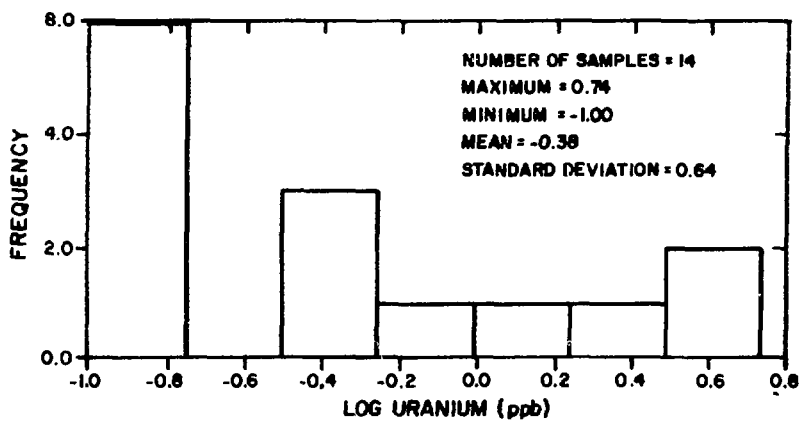
| Range |       | Frequency |
|-------|-------|-----------|
| -1.00 | -0.75 | 7         |
| -0.75 | -0.50 | 2         |
| -0.50 | -0.25 | 10        |
| -0.25 | 0.00  | 3         |
| 0.00  | 0.25  | 9         |
| 0.25  | 0.50  | 4         |
| 0.50  | 0.75  | 1         |
| 0.75  | 1.00  | 2         |
| 1.00  | 1.25  | 0         |
| 1.25  | 1.50  | 3         |

URANIUM IN WATER FROM SPRINGS ONLY





| Range |     | Frequency |
|-------|-----|-----------|
| 0.0   | 0.5 | 9         |
| 0.5   | 1.1 | 1         |
| 1.1   | 1.6 | 1         |
| 1.6   | 2.1 | 0         |
| 2.1   | 2.7 | 1         |
| 2.7   | 3.2 | 0         |
| 3.2   | 3.7 | 0         |
| 3.7   | 4.3 | 0         |
| 4.3   | 4.8 | 0         |
| 4.8   | 5.4 | 2         |

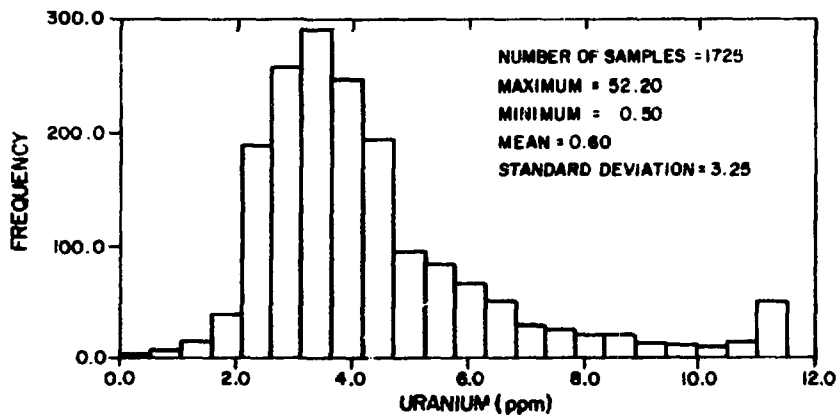


| Range |       | Frequency |
|-------|-------|-----------|
| -1.00 | -0.75 | 6         |
| -0.75 | -0.50 | 0         |
| -0.50 | -0.26 | 3         |
| -0.26 | -0.01 | 1         |
| -0.01 | 0.24  | 1         |
| 0.24  | 0.49  | 1         |
| 0.49  | 0.74  | 2         |

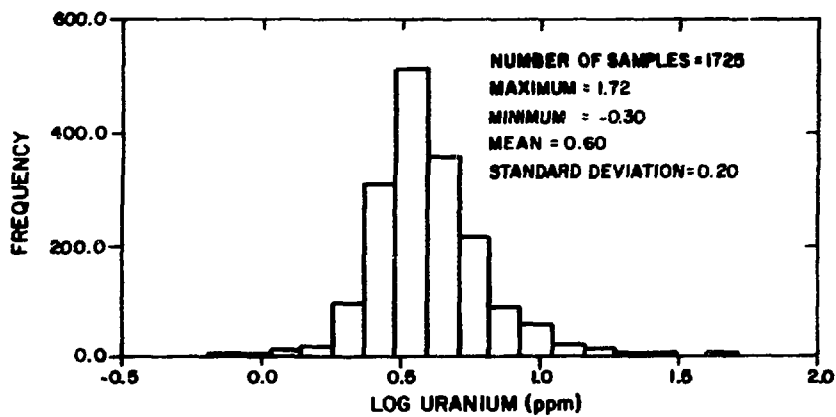
URANIUM IN WATER FROM ARTIFICIAL PONDS ONLY

APPENDIX B-II  
RAW DATA AND LOG DATA HISTOGRAMS  
FOR URANIUM IN SEDIMENT  
(PAGES B-8 THROUGH B-13)

ALL CONCENTRATIONS SHOWN ARE TOTAL URANIUM IN  
PARTS PER MILLION (PPM) FOR DRIED AND SIEVED (100 MESH FRACTION)  
SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING

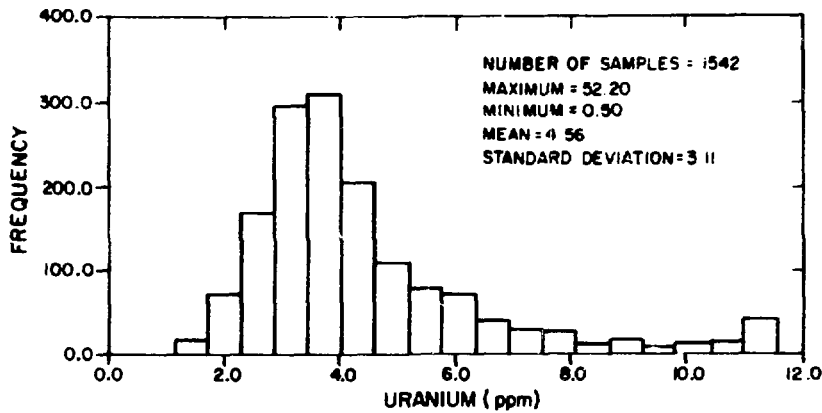


| Range |      | Frequency |
|-------|------|-----------|
| 0.0   | 0.5  | 1         |
| 0.5   | 1.0  | 5         |
| 1.0   | 1.6  | 15        |
| 1.6   | 2.1  | 37        |
| 2.1   | 2.6  | 189       |
| 2.6   | 3.1  | 256       |
| 3.1   | 3.7  | 291       |
| 3.7   | 4.2  | 247       |
| 4.2   | 4.7  | 196       |
| 4.7   | 5.2  | 96        |
| 5.2   | 5.8  | 84        |
| 5.8   | 6.3  | 67        |
| 6.3   | 6.8  | 51        |
| 6.8   | 7.3  | 29        |
| 7.3   | 7.9  | 26        |
| 7.9   | 8.4  | 20        |
| 8.4   | 8.9  | 20        |
| 8.9   | 9.4  | 12        |
| 9.4   | 10.0 | 11        |
| 10.0  | 10.5 | 9         |
| 10.5  | 11.0 | 13        |
| 11.0  | 52.2 | 50        |

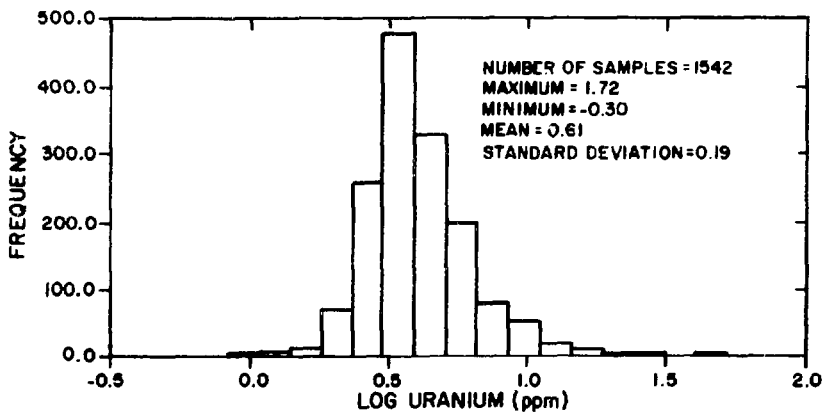


| Range |       | Frequency |
|-------|-------|-----------|
| -0.30 | -0.19 | 1         |
| -0.19 | -0.08 | 2         |
| -0.08 | 0.04  | 3         |
| 0.04  | 0.15  | 11        |
| 0.15  | 0.26  | 19        |
| 0.26  | 0.37  | 95        |
| 0.37  | 0.48  | 311       |
| 0.48  | 0.60  | 510       |
| 0.60  | 0.71  | 357       |
| 0.71  | 0.82  | 217       |
| 0.82  | 0.93  | 89        |
| 0.93  | 1.04  | 60        |
| 1.04  | 1.16  | 22        |
| 1.16  | 1.27  | 16        |
| 1.27  | 1.38  | 4         |
| 1.38  | 1.49  | 4         |
| 1.49  | 1.61  | 1         |
| 1.61  | 1.72  | 3         |

URANIUM IN SEDIMENT--ALL SAMPLES COMBINED

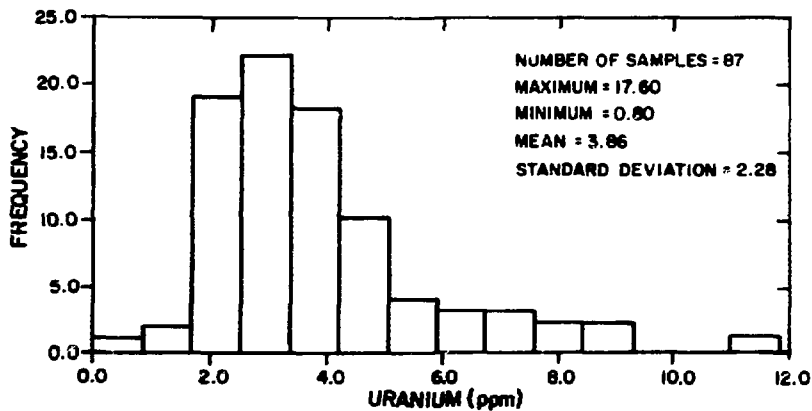


| Range |      | Frequency |
|-------|------|-----------|
| 0.0   | 0.6  | 1         |
| 0.6   | 1.2  | 4         |
| 1.2   | 1.7  | 20        |
| 1.7   | 2.3  | 73        |
| 2.3   | 2.9  | 171       |
| 2.9   | 3.5  | 295       |
| 3.5   | 4.1  | 310       |
| 4.1   | 4.6  | 205       |
| 4.6   | 5.2  | 110       |
| 5.2   | 5.8  | 77        |
| 5.8   | 6.4  | 72        |
| 6.4   | 6.9  | 41        |
| 6.9   | 7.5  | 30        |
| 7.5   | 8.1  | 28        |
| 8.1   | 8.6  | 12        |
| 8.6   | 9.2  | 18        |
| 9.2   | 9.8  | 10        |
| 9.8   | 10.4 | 11        |
| 10.4  | 11.0 | 13        |
| 11.0  | 11.5 | 41        |

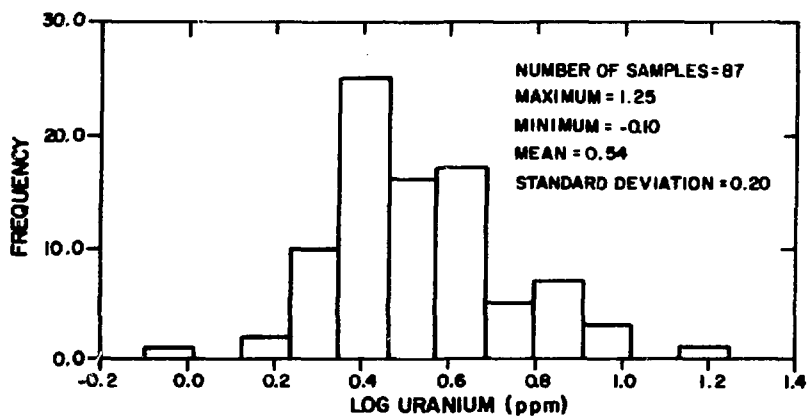


| Range |       | Frequency |
|-------|-------|-----------|
| -0.30 | -0.19 | 1         |
| -0.19 | -0.08 | 1         |
| -0.08 | 0.04  | 3         |
| 0.04  | 0.15  | 8         |
| 0.15  | 0.26  | 14        |
| 0.26  | 0.37  | 71        |
| 0.37  | 0.48  | 260       |
| 0.48  | 0.60  | 478       |
| 0.60  | 0.71  | 329       |
| 0.71  | 0.82  | 201       |
| 0.82  | 0.93  | 81        |
| 0.93  | 1.04  | 54        |
| 1.04  | 1.16  | 21        |
| 1.16  | 1.27  | 12        |
| 1.27  | 1.38  | 3         |
| 1.38  | 1.49  | 2         |
| 1.49  | 1.61  | 0         |
| 1.61  | 1.72  | 3         |

URANIUM IN SEDIMENT FROM WET STREAMS ONLY

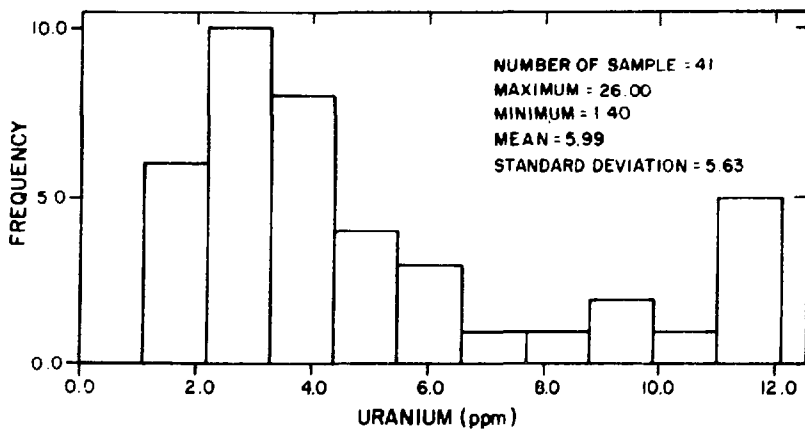


| Range |      | Frequency |
|-------|------|-----------|
| 0.0   | 0.8  | 1         |
| 0.8   | 1.7  | 2         |
| 1.7   | 2.5  | 19        |
| 2.5   | 3.4  | 22        |
| 3.4   | 4.2  | 18        |
| 4.2   | 5.1  | 10        |
| 5.1   | 5.9  | 4         |
| 5.9   | 6.8  | 3         |
| 6.8   | 7.6  | 3         |
| 7.6   | 8.5  | 2         |
| 8.5   | 9.3  | 2         |
| 9.3   | 10.2 | 0         |
| 10.2  | 11.0 | 0         |
| 11.0  | 17.6 | 1         |

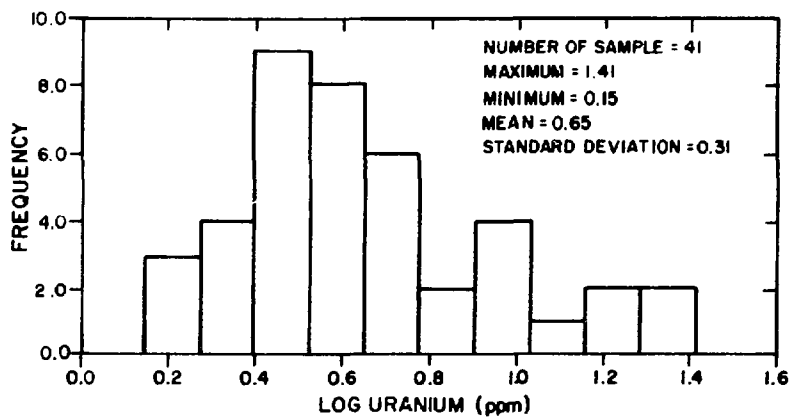


| Range |      | Frequency |
|-------|------|-----------|
| -0.10 | 0.01 | 1         |
| 0.01  | 0.13 | 0         |
| 0.13  | 0.24 | 2         |
| 0.24  | 0.35 | 10        |
| 0.35  | 0.46 | 25        |
| 0.46  | 0.57 | 16        |
| 0.57  | 0.69 | 17        |
| 0.69  | 0.80 | 5         |
| 0.80  | 0.91 | 7         |
| 0.91  | 1.02 | 3         |
| 1.02  | 1.13 | 0         |
| 1.13  | 1.25 | 1         |

URANIUM IN SEDIMENT FROM DRY STREAMS ONLY

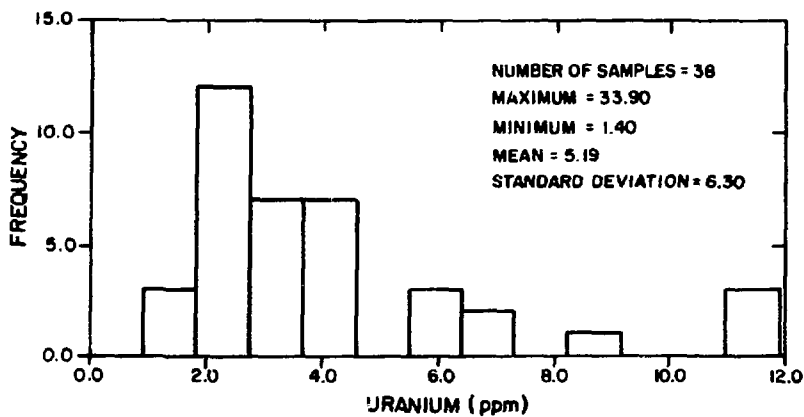


| Range |      | Frequency |
|-------|------|-----------|
| 0.0   | 1.1  | 0         |
| 1.1   | 2.2  | 6         |
| 2.2   | 3.3  | 10        |
| 3.3   | 4.4  | 8         |
| 4.4   | 5.5  | 4         |
| 5.5   | 6.6  | 3         |
| 6.6   | 7.7  | 1         |
| 7.7   | 8.8  | 1         |
| 8.8   | 9.9  | 2         |
| 9.9   | 11.0 | 1         |
| 11.0  | 12.1 | 5         |

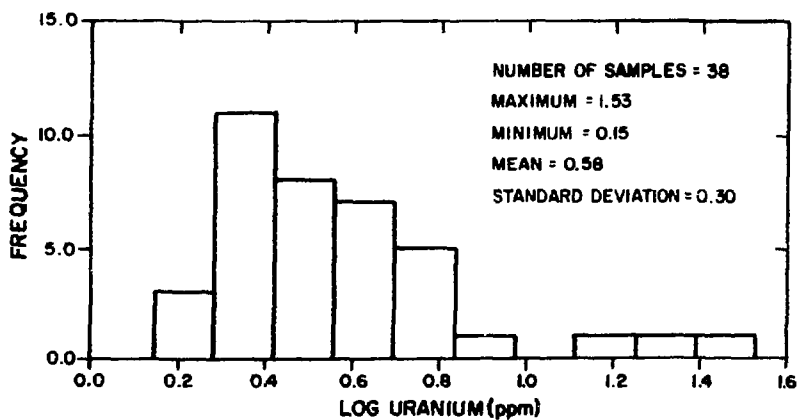


| Range |      | Frequency |
|-------|------|-----------|
| 0.15  | 0.27 | 3         |
| 0.27  | 0.40 | 4         |
| 0.40  | 0.53 | 9         |
| 0.53  | 0.65 | 8         |
| 0.65  | 0.78 | 6         |
| 0.78  | 0.91 | 2         |
| 0.91  | 1.03 | 4         |
| 1.03  | 1.16 | 1         |
| 1.16  | 1.29 | 2         |
| 1.29  | 1.41 | 2         |

URANIUM IN SEDIMENT FROM WET NATURAL PONDS ONLY

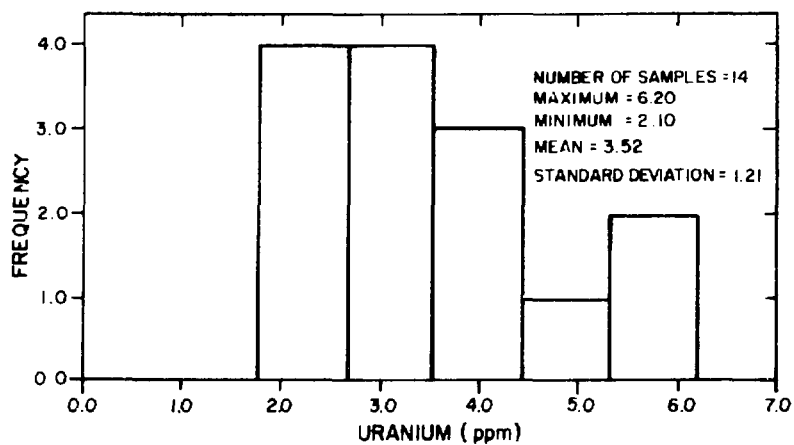


| Range |      | Frequency |
|-------|------|-----------|
| 0.0   | 0.9  | 0         |
| 0.9   | 1.8  | 3         |
| 1.8   | 2.7  | 12        |
| 2.7   | 3.6  | 7         |
| 3.6   | 4.5  | 7         |
| 4.5   | 5.5  | 0         |
| 5.5   | 6.4  | 3         |
| 6.4   | 7.3  | 2         |
| 7.3   | 8.2  | 0         |
| 8.2   | 9.1  | 1         |
| 9.1   | 10.0 | 0         |
| 10.0  | 11.0 | 0         |
| 11.0  | 33.9 | 3         |

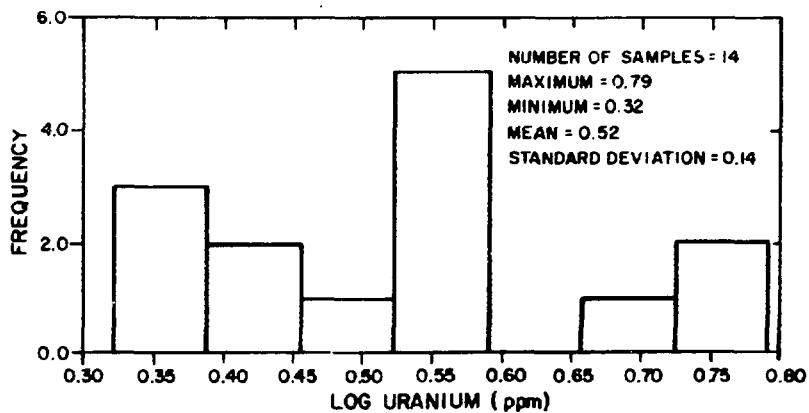


| Range |      | Frequency |
|-------|------|-----------|
| 0.15  | 0.28 | 3         |
| 0.28  | 0.42 | 11        |
| 0.42  | 0.56 | 8         |
| 0.56  | 0.70 | 7         |
| 0.70  | 0.84 | 5         |
| 0.84  | 0.98 | 1         |
| 0.98  | 1.11 | 0         |
| 1.11  | 1.25 | 1         |
| 1.25  | 1.39 | 1         |
| 1.39  | 1.53 | 1         |

URANIUM IN SEDIMENT FROM WET SPRINGS ONLY



| Range |     | Frequency |
|-------|-----|-----------|
| 0.0   | 0.9 | 0         |
| 0.9   | 1.8 | 0         |
| 1.8   | 2.7 | 4         |
| 2.7   | 3.5 | 4         |
| 3.5   | 4.4 | 3         |
| 4.4   | 5.3 | 1         |
| 5.3   | 6.2 | 2         |



| Range |      | Frequency |
|-------|------|-----------|
| 0.32  | 0.39 | 3         |
| 0.39  | 0.46 | 2         |
| 0.46  | 0.52 | 1         |
| 0.52  | 0.59 | 5         |
| 0.59  | 0.66 | 0         |
| 0.66  | 0.73 | 1         |
| 0.73  | 0.79 | 2         |

URANIUM IN SEDIMENT FROM WET ARTIFICIAL PONDS ONLY



APPENDIX C  
LISTINGS OF FIELD DATA AND URANIUM CONCENTRATIONS  
FOR  
FILTERED AND ACIDIFIED WATER SAMPLES  
FROM  
LINCOLN AND FLATHEAD COUNTIES,  
NORTHWEST MONTANA

APPENDIX C-I  
WATER SAMPLES ANALYZED BY FLUOROMETRY  
(PAGES C-2 THROUGH C-34)

(See Appendix E for codes to listings)



## LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| ERDA SAMPLE NUMBER |               |           |                      |           |                      | LASL SAMPLE NUMBER AND FIELD DATA |      |                 |                   |          |                                 |     |                                 |                         |           |            |               |                |            |             |             |                | U CONCENTRATION |                    |        |         |           |              |           |                        |                   |                    |              |              |         |
|--------------------|---------------|-----------|----------------------|-----------|----------------------|-----------------------------------|------|-----------------|-------------------|----------|---------------------------------|-----|---------------------------------|-------------------------|-----------|------------|---------------|----------------|------------|-------------|-------------|----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|--------------|--------------|---------|
| STATE              | LATITUDE      | LONGITUDE | ERDA LAB SAMPLE TYPE | REPLICATE | LASL SAMPLE NUMBER   | TIME SAMPLED                      |      | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIFIC CONDUCTANCE (umhos/cm) | PH  | SPECIFIC CONDUCTANCE (umhos/cm) | SCINTILLIMETER (40 ppm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | SAMPLE TYPES | SAMPLE TYPES |         |
|                    |               |           |                      |           |                      | DATE                              | HOUR |                 |                   |          |                                 |     |                                 |                         |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              |              | U (ppm) |
| 30-68              | 2905-113.2202 | -07       |                      |           | n-303053-n5/24/78-18 | 15                                | 11   | 3.3             |                   |          | 6.7                             | 260 |                                 | 4-4                     | -4-6      | -2-4-1     | -1-4-5        | -2-0-0         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.26         |         |
| 30-68              | 1936-113.7454 | -06       |                      |           | n-303066-n5/24/78-12 | 4                                 | 5    | 1.3             |                   |          | 6.0                             | 123 |                                 | 27-2                    | -7-2      | -7-4-4-1   | -2-1-5        | -4-0-0         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.23         |         |
| 30-68              | 1819-113.7175 | -07       |                      |           | n-303067-n5/24/78-16 | 4                                 | 1    | 0.0             |                   |          | 6.2                             | 101 |                                 | 11-2                    | -7-2      | -7-4-4-1   | -2-1-5        | -5-0-0         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.41         |         |
| 30-68              | 1802-113.7400 | -07       |                      |           | n-303068-n5/24/78-18 | 8                                 | 4    | 1.0             |                   |          | 6.1                             | 132 |                                 | 11-2                    | -7-2      | -7-4-4-1   | -2-1-5        | -5-0-0         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.10         |         |
| 30-68              | 1727-113.7576 | -04       |                      |           | n-303069-n5/24/78-13 | 15                                | 13   | 0.0             |                   |          | 5.8                             | 60  |                                 | 21-2                    | -6-7-8-1  | -2-1-1     | -5-4-2        | -0-0           |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.22         |         |
| 30-68              | 1608-113.7352 | -07       |                      |           | n-303070-n5/24/78-15 | 11                                | 8    | 7.7             |                   |          | 5.4                             | 47  |                                 | 12-2                    | -7-2      | -7-4-4-1   | -2-1-5        | -5-2-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.23         |         |
| 30-68              | 1440-113.7088 | -07       |                      |           | n-303071-n5/24/78-15 | 15                                | 6    | 8.0             |                   |          | 6.1                             | 129 |                                 | 7-2                     | -7-2      | -7-4-4-1   | -2-1-5        | -5-2-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.10         |         |
| 30-68              | 1525-113.6740 | -07       |                      |           | n-303072-n5/24/78-15 | 14                                | 6    | 2.7             |                   |          | 5.9                             | 102 |                                 | 7-2                     | -7-2      | -7-4-4-1   | -2-1-5        | -5-2-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.58         |         |
| 30-68              | 1294-113.7050 | -07       |                      |           | n-303073-n5/24/78-15 | 11                                | 6    | 0.0             |                   |          | 5.4                             | 121 |                                 | 4-2                     | -7-2      | -7-4-4-1   | -2-1-5        | -5-2-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.10         |         |
| 30-68              | 1143-113.6919 | -07       |                      |           | n-303074-n5/24/78-15 | 15                                | 7    | 8.0             |                   |          | 6.4                             | 91  |                                 | 11-2                    | -7-2      | -7-4-4-1   | -2-1-5        | -4-2-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.10         |         |
| 30-68              | 1007-113.6936 | -07       |                      |           | n-303075-n5/24/78-16 | 15                                | 4    | 3.3             |                   |          | 6.2                             | 172 |                                 | 12-2                    | -7-2      | -7-4-4-1   | -2-1-5        | -6-2-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.10         |         |
| 30-68              | 0814-113.6477 | -07       |                      |           | n-303076-n5/18/78-9  | 4                                 | 4    | 0.0             |                   |          | 6.4                             | 226 |                                 | 12-2                    | -7-2      | -7-4-3-1   | -2-1-4        | -5-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.50         |         |
| 30-68              | 0430-113.6269 | -07       |                      |           | n-303077-n5/18/78-10 | 8                                 | 4    | 6.5             |                   |          | 6.5                             | 101 |                                 | 5-2                     | -7-2      | -6-4-4-1   | -2-1-4        | -5-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.10         |         |
| 30-68              | 0480-113.6184 | -07       |                      |           | n-303078-n5/18/78-11 | 6                                 | 4    | 2.7             |                   |          | 6.4                             | 173 |                                 | 5-1                     | -7-4-1    | -3-4-1     | -1-1-4        | -3-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.10         |         |
| 30-68              | 0477-113.6177 | -07       |                      |           | n-303079-n5/18/78-11 | 6                                 | 4    | 0.0             |                   |          | 6.3                             | 119 |                                 | 5-1                     | -7-4-1    | -3-4-1     | -1-1-4        | -3-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.10         |         |
| 30-68              | 0250-113.7952 | -07       |                      |           | n-303080-n5/18/78-16 | 6                                 | 4    | 0.0             |                   |          | 6.3                             | 110 |                                 | 12-2                    | -7-3-1    | -5-4-1     | -2-1-4        | -5-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.10         |         |
| 30-68              | 0155-113.7077 | -07       |                      |           | n-303081-n5/18/78-12 | 4                                 | 4    | 1.1             |                   |          | 6.2                             | 102 |                                 | 21-2                    | -5-2      | -5-4-4-1   | -2-1-4        | -4-5-1-1       |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.10         |         |
| 30-68              | 0342-113.7075 | -07       |                      |           | n-303082-n5/18/78-14 | 6                                 | 4    | 4.0             |                   |          | 6.0                             | 119 |                                 | 5-2                     | -5-7-4    | -4-1-1     | -2-1-4        | -5-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.17         |         |
| 30-68              | 0438-113.6863 | -07       |                      |           | n-303083-n5/18/78-14 | 6                                 | 4    | 0.0             |                   |          | 6.2                             | 133 |                                 | 11-2                    | -5-2      | -7-4-4-1   | -2-1-4        | -5-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.10         |         |
| 30-68              | 0371-113.6916 | -07       |                      |           | n-303084-n5/18/78-16 | 13                                | 9    | 1.1             |                   |          | 6.4                             | 141 |                                 | 7-1                     | -1-5      | -6-3-4-2   | -1-1-4        | -4-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.10         |         |
| 30-68              | 0594-113.6266 | -07       |                      |           | n-303085-n5/18/78-16 | 4                                 | 7    | 0.0             |                   |          | 6.1                             | 71  |                                 | 11-1                    | -7-2      | -7-4-4-2   | -2-1-4        | -4-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.10         |         |
| 30-68              | 0544-113.6875 | -07       |                      |           | n-303086-n5/18/78-20 | 5                                 | 4    | 0.0             |                   |          | 5.7                             | 42  |                                 | 12-2                    | -7-2      | -7-4-4-1   | -2-1-4        | -4-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.39         |         |
| 30-68              | 0366-113.6061 | -07       |                      |           | n-303087-n5/18/78-16 | 10                                | 9    | 0.0             |                   |          | 6.8                             | 148 |                                 | 7-2                     | -4-3      | -4-3-4-1   | -2-1-4        | -6-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.31         |         |
| 30-68              | 0033-113.6766 | -07       |                      |           | n-303088-n5/18/78-17 | 15                                | 13   | 0.0             |                   |          | 5.9                             | 36  |                                 | 11-1                    | -1-4      | -4-1-2     | -3-1-2        | -1-4           | -4-1-1     |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.10         |         |
| 30-68              | 0406-113.6840 | -07       |                      |           | n-303089-n5/18/78-18 | 10                                | 13   | 0.0             |                   |          | 6.1                             | 49  |                                 | 11-1                    | -1-4      | -4-2       | -3-1-2        | -1-4           | -2-1-1     |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.10         |         |
| 30-68              | 0311-113.6933 | -07       |                      |           | n-303090-n5/18/78-9  | 5                                 | 4    | 0.0             |                   |          | 6.5                             | 270 |                                 | 4-1                     | -1-4      | -1-3       | -4-1-2        | -1-4           | -2-1-1     |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.41         |         |
| 30-68              | 0397-113.6261 | -07       |                      |           | n-303091-n5/18/78-10 | 4                                 | 4    | 0.0             |                   |          | 6.4                             | 265 |                                 | 9-2                     | -6-3      | -6-4-4-1   | -2-1-4        | -4-2-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.41         |         |
| 30-68              | 0013-113.6111 | -07       |                      |           | n-303092-n5/19/78-10 | 4                                 | 4    | 0.0             |                   |          | 6.4                             | 123 |                                 | 7-2                     | -7-3      | -7-4-4-1   | -2-1-4        | -7-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.10         |         |
| 30-68              | 0972-113.6133 | -07       |                      |           | n-303093-n5/19/78-10 | 5                                 | 3    | 0.0             |                   |          | 5.9                             | 66  |                                 | 4-2                     | -7-3      | -7-4-4-1   | -2-1-4        | -7-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.10         |         |
| 30-68              | 0102-113.6262 | -07       |                      |           | n-303094-n5/19/78-10 | 5                                 | 4    | 1.1             |                   |          | 5.9                             | 21  |                                 | 11-2                    | -7-3      | -7-4-4-1   | -2-1-4        | -7-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.10         |         |
| 30-68              | 0272-113.6362 | -07       |                      |           | n-303095-n5/19/78-11 | 4                                 | 4    | 0.0             |                   |          | 5.8                             | 274 |                                 | 7-2                     | -7-3      | -6-4-4-1   | -2-1-4        | -5-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.10         |         |
| 30-68              | 0219-113.6358 | -07       |                      |           | n-303096-n5/19/78-11 | 4                                 | 4    | 0.0             |                   |          | 5.4                             | 32  |                                 | 3-2                     | -7-3      | -7-4-4-1   | -2-1-4        | -3-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.10         |         |
| 30-68              | 0602-113.6836 | -07       |                      |           | n-303097-n5/19/78-12 | 11                                | 4    | 0.0             |                   |          | 5.4                             | 33  |                                 | 11-2                    | -4-3      | -4-5-4-1   | -2-1-4        | -7-5-1-1       |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.10         |         |
| 30-68              | 0313-113.6400 | -07       |                      |           | n-303098-n5/19/78-12 | 7                                 | 4    | 2.7             |                   |          | 5.8                             | 79  |                                 | 10-2                    | -4-3      | -4-4-4-1   | -2-1-4        | -7-5-1-1       |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.27         |         |
| 30-68              | 0371-113.6390 | -07       |                      |           | n-303099-n5/19/78-13 | 7                                 | 4    | 7.7             |                   |          | 5.9                             | 100 |                                 | 10-2                    | -4-3      | -4-4-4-1   | -2-1-4        | -7-5-1-1       |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.28         |         |
| 30-68              | 0314-113.6127 | -07       |                      |           | n-303100-n5/19/78-14 | 8                                 | 5    | 4.0             |                   |          | 6.3                             | 95  |                                 | 10-2                    | -7-3      | -7-4-4-1   | -2-1-5        | -5-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.18         |         |
| 30-68              | 0022-113.6130 | -07       |                      |           | n-303101-n5/19/78-15 | 8                                 | 4    | 0.0             |                   |          | 5.0                             | 98  |                                 | 14-2                    | -7-3      | -7-4-4-1   | -2-1-5        | -5-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.33         |         |
| 30-68              | 0005-113.7080 | -07       |                      |           | n-303102-n5/19/78-14 | 7                                 | 5    | 0.0             |                   |          | 6.0                             | 107 |                                 | 14-2                    | -7-3      | -7-4-4-1   | -2-1-5        | -5-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.10         |         |
| 30-68              | 0011-113.7084 | -07       |                      |           | n-303103-n5/19/78-16 | 7                                 | 5    | 0.0             |                   |          | 6.1                             | 125 |                                 | 12-2                    | -7-3      | -7-4-4-1   | -2-1-4        | -5-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.54         |         |
| 30-68              | 0200-113.7236 | -07       |                      |           | n-303104-n5/19/78-15 | 4                                 | 4    | 0.0             |                   |          | 6.3                             | 132 |                                 | 12-2                    | -7-2      | -7-4-4-2   | -2-1-4        | -6-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.15         |         |
| 30-68              | 0250-113.6444 | -07       |                      |           | n-303105-n5/19/78-15 | 12                                | 7    | 1.1             |                   |          | 5.9                             | 104 |                                 | 3-2                     | -7-2      | -7-4-4-2   | -2-1-4        | -3-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.15         |         |
| 30-68              | 0255-113.7752 | -07       |                      |           | n-303106-n5/19/78-10 | 11                                | 6    | 4.0             |                   |          | 6.2                             | 85  |                                 | 7-2                     | -7-2      | -7-4-4-2   | -2-1-4        | -3-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.22         |         |
| 30-68              | 0455-113.6200 | -07       |                      |           | n-303107-n5/19/78-17 | 10                                | 0    | 0.1             |                   |          | 6.7                             | 20  |                                 | 4-2                     | -7-3      | -7-3-1-1   | -2-1-4        | -1-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.14         |         |
| 30-68              | 0450-113.6542 | -07       |                      |           | n-303108-n5/19/78-15 | 10                                | 4    | 4.0             |                   |          | 5.7                             | 49  |                                 | 11-2                    | -7-3      | -7-3-1-1   | -2-1-4        | -3-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.19         |         |
| 30-68              | 0400-113.6542 | -07       |                      |           | n-303109-n5/19/78-17 | 11                                | 4    | 3.0             |                   |          | 5.4                             | 60  |                                 | 14-2                    | -7-2      | -7-4-4-1   | -2-1-4        | -3-1-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.45         |         |
| 30-68              | 0200-113.6725 | -07       |                      |           | n-303110-n5/19/78-18 | 12                                | 5    | 0.0             |                   |          | 6.3                             | 229 |                                 | 5-1                     | -1-4      | -1-3       | -4-1-2        | -2-1-7         | -2-1-1     |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.27         |         |
| 30-68              | 0001-113.6041 | -07       |                      |           | n-303111-n5/20/78-10 | 4                                 | 4    | 0.0             |                   |          | 6.1                             | 220 |                                 | 4-1                     | -7-1      | -7-4-4-1   | -2-1-4        | -5-6-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.19         |         |
| 30-68              | 0000-113.6363 | -07       |                      |           | n-303112-n5/20/78-11 | 4                                 | 3    | 4.0             |                   |          | 6.3                             | 170 |                                 | 11-1                    | -7-3      | -7-4-4-1   | -2-1-4        | -5-3-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              | 0.19         |         |
| 30-68              | 0071-113.6675 | -07       |                      |           | n-303113-n5/20/78-14 | 5                                 | 3    | 3.3             |                   |          | 6.1                             | 170 |                                 | 7-2                     | -7-1      | -7-5-5-1   | -2-1-4        | -5-3-1         |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |              |              |         |





LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| STATE | LATITUDE         | LONGITUDE | FEDA LAB | SAMPLE TYPE | REPLICATE | TIME SAMPLED |      | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIFIC MEASUREMENTS | pH  | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLAMETER (dpm) | LASL SAMPLE NUMBER AND FIELD DATA |           |                |               |            |             |                |                 |                    |        | U Concentration (ppm) |         |              |           |                        |                   |                    |      |
|-------|------------------|-----------|----------|-------------|-----------|--------------|------|-----------------|-------------------|----------|-----------------------|-----|---------------------------------|----------------------|-----------------------------------|-----------|----------------|---------------|------------|-------------|----------------|-----------------|--------------------|--------|-----------------------|---------|--------------|-----------|------------------------|-------------------|--------------------|------|
|       |                  |           |          |             |           | DATE         | HOUR |                 |                   |          |                       |     |                                 |                      | ROCK COLOR                        | ROCK TYPE | SEDIMENT COLOR | SEDIMENT TYPE | WATER FLOW | WATER LEVEL | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF |                       | WEATHER | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) |      |
| 30-48 | 4638-114.4508-07 |           |          |             |           |              |      |                 |                   |          |                       | 18  | 12                              | 7-3                  | 6-4                               | 1-2       | 1-4            | 4-4           | 1-2        | 1-4         | 4-4            | 1-2             | 1-4                | 4-4    | 1-2                   | 1-4     | 4-4          | 1-2       | 1-4                    | 4-4               | 0.10               |      |
| 30-48 | 4677-114.4972-07 |           |          |             |           |              |      |                 |                   |          | 5.3                   | 25  | 6                               | 2-7                  | 3                                 | 6-3       | 3-3            | 2-2           | 1-4        | 4-2         | 1-4            | 4-2             | 1-4                | 4-2    | 1-4                   | 4-2     | 1-4          | 4-2       | 1-4                    | 4-2               | 0.10               |      |
| 30-48 | 4576-114.4711-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 110 | 9                               | 2-7                  | 3                                 | 6-4       | 2-2            | 1-4           | 4-2        | 1-4         | 4-2            | 1-4             | 4-2                | 1-4    | 4-2                   | 1-4     | 4-2          | 1-4       | 4-2                    | 1-4               | 4-2                | 0.10 |
| 30-48 | 4519-114.4783-07 |           |          |             |           |              |      |                 |                   |          | 7.1                   | 190 | 7                               | 6                    | 3                                 | 2-4       | 1-4            | 4-3           | 2          | 3           | 3              | 3               | 3                  | 3      | 3                     | 3       | 3            | 3         | 3                      | 3                 | 3                  | 0.20 |
| 30-48 | 4513-114.4682-07 |           |          |             |           |              |      |                 |                   |          | 7.3                   | 200 | 6                               | 3                    | 2                                 | 4         | 1-4            | 4-3           | 2          | 3           | 3              | 3               | 3                  | 3      | 3                     | 3       | 3            | 3         | 3                      | 3                 | 3                  | 0.20 |
| 30-48 | 4536-114.4672-07 |           |          |             |           |              |      |                 |                   |          | 7.2                   | 195 | 7                               | 6                    | 2                                 | 4         | 1-4            | 4-3           | 2          | 3           | 3              | 3               | 3                  | 3      | 3                     | 3       | 3            | 3         | 3                      | 3                 | 3                  | 0.45 |
| 30-48 | 4552-114.0043-07 |           |          |             |           |              |      |                 |                   |          | 6.5                   | 90  | 4                               | 1                    | 4                                 | 2         | 2              | 4             | 1          | 4           | 2              | 2               | 4                  | 1      | 4                     | 2       | 2            | 4         | 1                      | 4                 | 2                  | 1.02 |
| 30-48 | 4541-114.0182-07 |           |          |             |           |              |      |                 |                   |          | 6.5                   | 90  | 4                               | 1                    | 4                                 | 2         | 2              | 4             | 1          | 4           | 2              | 2               | 4                  | 1      | 4                     | 2       | 2            | 4         | 1                      | 4                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           | 2              | 2               | 2                  | 2      | 2                     | 2       | 2            | 2         | 2                      | 2                 | 2                  | 0.19 |
| 30-48 | 4536-114.0222-07 |           |          |             |           |              |      |                 |                   |          | 6.1                   | 200 | 10                              | 1                    | 3                                 | 3         | 3              | 1             | 2          | 2           |                |                 |                    |        |                       |         |              |           |                        |                   |                    |      |



### LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| ERDA SAMPLE NUMBER |               |           |          |             | LASL SAMPLE NUMBER AND FIELD DATA |                    |      |      |                 |                   |                                     |                      |    |                                 |                      |           |            |               |                | U CONCENTRATION |             |             |                |                 |                    |       |         |           |              |           |                        |                   |                    |                                |  |
|--------------------|---------------|-----------|----------|-------------|-----------------------------------|--------------------|------|------|-----------------|-------------------|-------------------------------------|----------------------|----|---------------------------------|----------------------|-----------|------------|---------------|----------------|-----------------|-------------|-------------|----------------|-----------------|--------------------|-------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|--------------------------------|--|
| STATE              | LATITUDE      | LONGITUDE | ERDA LAB | SAMPLE TYPE | REPLICATE                         | TIME SAMPLED       |      |      | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS                            | SPECIAL MEASUREMENTS | pH | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLOMETER (cpm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW      | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | WELLS | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | SAMPLE TYPE<br>10 mg<br>100 mg | SAMPLE TYPE<br>10 mg<br>100 mg<br>SEDIMENT |
|                    |               |           |          |             |                                   | LABL SAMPLE NUMBER | DATE | HOUR |                 |                   |                                     |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   |                    |                                |  |
| 30-AR              | 1801-114.6047 | -2-07-    | n-303328 | -05/19/76   | -19                               | 16                 | 7.5  |      | 6.8             | 248               | 10-1-1-6-7-6-4-3-2-1-4-3-2-1-3-1    |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 0.97               |                                |  |
| 30-AR              | 1555-114.6083 | -2-07-    | n-303329 | -05/19/76   | -20                               | 19                 | 8.0  |      | 6.1             | 335               | 9-1-1-6-3-5-6-3-1-2-1-2-1-2-2-1-3-1 |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 0.99               |                                |  |
| 30-AR              | 2177-114.0584 | -2-07-    | n-303330 | -05/19/76   | -21                               | 16                 | 7.0  |      | 6.8             | 240               | 15-1-5-3-7-6-6-1-2-1-1-4-3-2-1-3-1  |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 0.26               |                                |  |
| 30-AR              | 2204-114.0567 | -2-07-    | n-303331 | -05/19/76   | -21                               | 13                 | 7.0  |      | 6.4             | 240               | 11-1-7-3-7-4-6-1-2-2-1-2-2-2-1-3-1  |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 0.26               |                                |  |
| 30-AR              | 2013-114.6455 | -2-07-    | n-303332 | -05/19/76   | -22                               | 12                 | 8.0  |      | 6.8             | 200               | 9-1-7-1-4-6-1-2-2-1-3-2-2-1-3-1     |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 0.27               |                                |  |
| 30-AR              | 2044-114.0559 | -2-07-    | n-303333 | -05/19/76   | -22                               | 11                 | 6.5  |      | 6.5             | 210               | 13-1-7-3-6-5-4-1-2-1-4-4-2-1-3-1    |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 0.53               |                                |  |
| 30-AR              | 2477-114.1736 | -2-07-    | n-303334 | -05/19/76   | -23                               | 15                 | 15.0 |      | 6.9             | 500               | 8-1-1-5-8-1-3-2-1-4-3-1-3-1-3-1     |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 0.79               |                                |  |
| 30-AR              | 1350-114.0738 | -2-04-    | n-303335 | -05/20/76   | -11                               | 9                  | 16.1 |      | 7.2             | 242               | 7-1-7-5-8-1-3-2-1-4-4-2-3-1-3-1     |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 0.10               |                                |  |
| 30-AR              | 0930-114.0736 | -2-09-    | n-303337 | -05/20/76   | -12                               | 9                  | 11.2 | C    | 6.8             | 375               | 10-1-7-4-8-1-3-1-1-2-3-2-3-1-3-1    |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 1.96               |                                |  |
| 30-AR              | 0272-114.0527 | -2-07-    | n-303338 | -05/20/76   | -12                               | 9                  | 6.0  |      | 6.5             | 268               | 12-1-7-5-8-1-2-3-1-1-2-3-2-3-1-3-1  |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 1.14               |                                |  |
| 30-AR              | 0211-114.0033 | -2-04-    | n-303339 | -05/20/76   | -13                               | 11                 | 13.0 |      | 6.2             | 65                | 13-1-7-5-5-7-1-3-1-1-2-4-2-4-1-3-1  |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 0.10               |                                |  |
| 30-AR              | 0494-114.0186 | -2-09-    | n-303340 | -05/20/76   | -14                               | 9                  | 11.9 |      | 6.2             | 22                | 14-1-7-6-8-1-3-2-1-6-1-2-4-1-3-1    |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 0.10               |                                |  |
| 30-AR              | 0130-114.0475 | -2-07-    | n-303341 | -05/20/76   | -14                               | 8                  | 8.6  |      | 6.8             | 410               | 21-1-7-5-8-1-3-1-1-1-6-4-2-3-1-3-1  |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 3.01               |                                |  |
| 30-AR              | 1084-114.1472 | -2-09-    | n-303342 | -05/20/76   | -14                               | 9                  | 11.1 | C    | 8.1             | 5000              | 4-1-9-5-6-1-3-5-1-6-2-1-3-1-3-1     |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 7.25               |                                |  |
| 30-AR              | 0341-114.2533 | -2-07-    | n-303344 | -05/20/76   | -17                               | 8                  | 9.1  |      | 6.9             | 70                | 9-1-7-5-8-1-2-2-1-4-1-2-2-1-3-1     |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 2.96               |                                |  |
| 30-AR              | 0130-114.2484 | -2-07-    | n-303348 | -05/20/76   | -16                               | 10                 | 8.5  |      | 6.6             | 127               | 4-1-7-3-6-6-6-2-2-2-3-2-2-1-3-1     |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 0.31               |                                |  |
| 30-AR              | 0150-114.2430 | -2-07-    | n-303349 | -05/20/76   | -18                               | 11                 | 7.1  |      | 7.2             | 905               | 9-1-7-3-1-4-6-1-2-2-4-3-2-1-3-1     |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 1.30               |                                |  |
| 30-AR              | 0130-114.2011 | -2-07-    | n-303350 | -05/20/76   | -18                               | 11                 | 7.3  |      | 7.0             | 424               | 9-1-7-1-4-6-1-2-2-4-3-2-1-3-1       |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 1.61               |                                |  |
| 30-AR              | 0030-114.3061 | -2-07-    | n-303351 | -05/20/76   | -18                               | 11                 | 5.0  | C    | 6.3             | 1100              | 10-1-7-3-9-4-6-2-2-2-5-3-2-1-3-1    |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 0.10               |                                |  |
| 30-AR              | 0008-114.3052 | -2-07-    | n-303352 | -05/20/76   | -19                               | 7                  | 6.0  | C    | 6.0             | 40                | 6-1-7-3-7-4-6-1-2-2-4-1-2-1-3-1     |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 0.16               |                                |  |
| 30-AR              | 1338-114.2455 | -2-07-    | n-303353 | -05/20/76   | -20                               | 13                 | 12.1 |      | 7.4             | 490               | 6-1-1-6-8-2-3-2-1-6-3-1-3-1-3-1     |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 0.67               |                                |  |
| 30-AR              | 1314-114.2064 | -2-00-    | n-303354 | -05/20/76   | -20                               | 10                 | 14.9 |      | 6.8             | 600               | 5-1-7-4-8-1-3-1-1-1-6-1-2-2-1-3-1   |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 5.78               |                                |  |
| 30-AR              | 0722-114.3311 | -2-07-    | n-303355 | -05/20/76   | -21                               | 8                  | 5.0  |      | 6.3             | 400               | 15-1-1-5-7-3-3-1-1-1-1-3-2-1-3-1    |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 0.45               |                                |  |
| 30-AR              | 0945-114.3277 | -2-07-    | n-303356 | -05/20/76   | -22                               | 4                  | 5.1  |      | 6.9             | 420               | 15-1-7-3-6-6-3-1-2-2-2-3-2-1-3-1    |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 1.67               |                                |  |
| 30-AR              | 0905-114.3281 | -2-07-    | n-303357 | -05/20/76   | -22                               | 4                  | 5.0  |      | 7.1             | 435               | 12-1-7-5-6-4-3-1-2-2-4-3-2-1-3-1    |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 0.96               |                                |  |
| 30-AR              | 1001-114.3250 | -2-07-    | n-303358 | -05/20/76   | -22                               | 4                  | 4.2  |      | 7.4             | 462               | 13-1-7-3-4-6-3-1-2-2-4-3-2-1-3-1    |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 0.71               |                                |  |
| 30-AR              | 1402-114.3525 | -2-07-    | n-303360 | -05/21/76   | -10                               | 11                 | 9.8  |      | 6.8             | 470               | 3-1-1-5-6-3-3-1-2-2-2-3-1-1-3-1     |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 1.61               |                                |  |
| 30-AR              | 2063-114.3730 | -2-09-    | n-303362 | -05/21/76   | -11                               | 25                 | 11.0 | C    | 6.7             | 260               | 9-1-1-5-6-4-5-2-1-2-2-2-1-3-1       |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 1.50               |                                |  |
| 30-AR              | 2272-114.3811 | -2-06-    | n-303363 | -05/21/76   | -11                               | 23                 | 12.0 |      | 6.9             | 425               | 19-1-1-7-6-1-3-1-1-4-4-2-1-3-1      |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 1.21               |                                |  |
| 30-AR              | 2477-114.4011 | -2-07-    | n-303364 | -05/21/76   | -11                               | 20                 | 11.4 |      | 6.6             | 382               | 7-1-1-5-6-4-4-2-1-4-4-2-1-3-1       |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 0.81               |                                |  |
| 30-AR              | 2400-114.4975 | -2-07-    | n-303366 | -05/21/76   | -11                               | 22                 | 9.0  |      | 6.5             | 450               | -37-1-1-4-7-3-3-1-1-1-2-2-2-1-3-1   |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 1.50               |                                |  |
| 30-AR              | 2405-114.4927 | -2-07-    | n-303367 | -05/21/76   | -11                               | 12                 | 8.0  |      | 6.8             | 400               | 12-1-1-4-7-3-3-1-1-1-1-3-1-1-3-1    |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 2.27               |                                |  |
| 30-AR              | 2255-114.4947 | -2-06-    | n-303368 | -05/21/76   | -11                               | 23                 | 15.1 |      | 6.0             | 105               | 9-1-1-5-7-1-3-5-1-1-3-1-1-3-1       |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 0.49               |                                |  |
| 30-AR              | 2272-114.4955 | -2-06-    | n-303369 | -05/21/76   | -12                               | 13                 | 14.1 |      | 5.9             | 450               | 4-1-1-4-6-2-3-1-1-1-4-3-1-1-3-1     |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 0.72               |                                |  |
| 30-AR              | 2044-114.4963 | -2-06-    | n-303370 | -05/21/76   | -12                               | 14                 | 13.8 |      | 5.3             | 524               | 14-1-1-5-4-2-3-1-1-3-4-1-0-1-1-3-1  |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 1.52               |                                |  |
| 30-AR              | 1905-114.4970 | -2-06-    | n-303371 | -05/21/76   | -12                               | 21                 | 14.0 |      | 6.0             | 320               | 11-1-1-5-4-2-3-5-3-4-3-1-1-1-3-1    |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 0.64               |                                |  |
| 30-AR              | 1905-114.4955 | -2-07-    | n-303372 | -05/21/76   | -13                               | 23                 | 12.2 |      | 7.2             | 460               | 3-1-1-4-7-3-3-1-1-2-3-3-1-1-3-1     |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 1.25               |                                |  |
| 30-AR              | 1755-114.4977 | -2-07-    | n-303373 | -05/21/76   | -14                               | 25                 | 16.5 |      | 6.8             | 525               | 9-1-1-5-6-4-3-3-1-2-1-3-1-1-3-1     |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 2.62               |                                |  |
| 30-AR              | 1750-114.4977 | -2-07-    | n-303374 | -05/21/76   | -14                               | 18                 | 13.1 |      | 0.1             | 324               | 7-1-1-5-7-4-3-1-2-2-4-3-1-1-3-1     |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 1.37               |                                |  |
| 30-AR              | 1827-114.4922 | -2-07-    | n-303375 | -05/21/76   | -14                               | 22                 | 14.2 |      | 6.6             | 470               | 3-1-1-3-1-3-3-2-1-2-2-2-2-1-3-1     |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 0.84               |                                |  |
| 30-AR              | 1972-114.4905 | -2-06-    | n-303376 | -05/21/76   | -15                               | 18                 | 13.1 |      | 7.4             | 420               | 3-1-1-5-8-2-3-2-3-2-2-2-1-3-1       |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 5.93               |                                |  |
| 30-AR              | 1911-114.4966 | -2-06-    | n-303378 | -05/21/76   | -16                               | 20                 | 22.1 |      | 6.3             | 500               | 13-1-1-5-6-2-3-2-2-1-4-3-2-1-3-1    |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 1.60               |                                |  |
| 30-AR              | 1822-114.4907 | -2-06-    | n-303379 | -05/21/76   | -17                               | 23                 | 13.7 |      | 6.9             | 50                | 12-1-1-5-7-2-3-1-1-3-2-1-3-1-3-1    |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 1.36               |                                |  |
| 30-AR              | 1394-114.4972 | -2-07-    | n-303380 | -05/21/76   | -17                               | 21                 | 12.2 |      | 7.1             | 500               | 15-1-1-5-7-3-3-2-1-2-2-2-2-1-3-1    |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 3.47               |                                |  |
| 30-AR              | 1030-114.4983 | -2-07-    | n-303383 | -05/21/76   | -22                               | 11                 | 6.5  |      | 6.1             | 544               | 7-1-1-5-7-3-3-1-1-2-2-4-1-1-3-1     |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 2.41               |                                |  |
| 30-AR              | 1061-114.3972 | -2-06-    | n-303384 | -05/21/76   | -22                               | 11                 | 7.1  |      | 6.8             | 526               | 3-1-1-5-7-2-2-1-1-2-3-5-1-1-3-1     |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 1.95               |                                |  |
| 30-AR              | 1100-114.4344 | -2-07-    | n-303385 | -05/21/76   | -23                               | 11                 | 9.0  |      | 6.8             | 450               | 7-1-1-5-6-3-3-1-1-2-2-2-1-3-1       |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 6.44               |                                |  |
| 30-AR              | 1277-114.4344 | -2-04-    | n-303387 | -05/21/76   | -24                               | 16                 | 16.0 | C    | 6.6             | 650               | 2-1-1-6-8-1-5-5-1-6-4-1-1-1-3-1     |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   | 3.39               |                                |  |
| 30-AR              | 1416-114.4233 | -2-10-    | n-303388 | -05/21/76   | -25                               | 16                 | 13.5 |      |                 |                   |                                     |                      |    |                                 |                      |           |            |               |                |                 |             |             |                |                 |                    |       |         |           |              |           |                        |                   |                    |                                |  |



# LAST Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| STATE | LATITUDE      | LONGITUDE | EMA LAB | SAMPLE TYPE | REPLICATE | LAST SAMPLE NUMBER | TIME SAMPLED |      | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | LAST SAMPLE NUMBER AND FIELD DATA |                        |     |           |            |               |                |            |             |              |                 |                    | CONCENTRATIONS |         |           |              |           |                        |                   |                    |             |                  |               |      |
|-------|---------------|-----------|---------|-------------|-----------|--------------------|--------------|------|-----------------|-------------------|----------|----------------------|-----------------------------------|------------------------|-----|-----------|------------|---------------|----------------|------------|-------------|--------------|-----------------|--------------------|----------------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|-------------|------------------|---------------|------|
|       |               |           |         |             |           |                    | DATE         | HOUR |                 |                   |          |                      | SCINTILLATION (cpm)               | CONDUCTANCE (umhos/cm) | pH  | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLUMN | VEGETATION TYPE | VEGETATION DENSITY | WELLER         | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | SAMPLE TYPE | TYPE OF ANALYSIS | DEPTH IN FEET |      |
| 30-08 | 0772-116.3313 | -116.3313 | 0772    | 07          | 0         | 30337              | 05/26/74     | 11   | 15.1            | 8.1               | C        |                      | 470                               | 6.1                    | 1-7 | 5-6       | 2-1        | 1-2           | 2-2            | 1-2        | 2-2         | 1-2          | 2-2             | 1-2                | 2-2            | 1-2     | 2-2       | 1-2          | 2-2       | 1-2                    | 2-2               | 1-2                | 2-2         | 0.90             | 0.10          |      |
| 30-08 | 0572-114.4525 | -114.4525 | 0572    | 07          | 0         | 30338              | 05/26/74     | 12   | 10              | 7.2               |          | 112                  | 6.0                               | 1-7                    | 5-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.17          | 0.10 |
| 30-08 | 0562-114.4566 | -114.4566 | 0562    | 07          | 0         | 30339              | 05/26/74     | 12   | 12              | 7.4               |          | 500                  | 5.4                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.17          | 0.10 |
| 30-08 | 0550-114.3344 | -114.3344 | 0550    | 07          | 0         | 30340              | 05/26/74     | 13   | 11              | 7.1               |          | 110                  | 6.3                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0319-116.4122 | -116.4122 | 0319    | 07          | 0         | 30341              | 05/26/74     | 13   | 14              | 9.1               |          | 30                   | 6.3                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0191-114.4081 | -114.4081 | 0191    | 07          | 0         | 30342              | 05/26/74     | 14   | 14              | 7.5               |          | 20                   | 6.0                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0011-114.4022 | -114.4022 | 0011    | 07          | 0         | 30343              | 05/26/74     | 14   | 14              | 7.5               |          | 45                   | 6.1                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0300-114.4533 | -114.4533 | 0300    | 07          | 0         | 30344              | 05/26/74     | 15   | 16              | 10.2              |          | 40                   | 6.2                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0181-114.4333 | -114.4333 | 0181    | 07          | 0         | 30345              | 05/26/74     | 15   | 14              | 11.4              |          | 40                   | 6.2                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0200-113.7022 | -113.7022 | 0200    | 07          | 0         | 30346              | 05/26/74     | 15   | 10              | 5.2               |          | 140                  | 5.9                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 1.00          | 0.10 |
| 30-08 | 0048-113.7022 | -113.7022 | 0048    | 07          | 0         | 30347              | 05/26/74     | 12   | 10              | 5.2               |          | 110                  | 5.9                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0201-113.7066 | -113.7066 | 0201    | 07          | 0         | 30348              | 05/26/74     | 12   | 10              | 8.2               |          | 47                   | 5.8                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0225-113.7469 | -113.7469 | 0225    | 07          | 0         | 30349              | 05/26/74     | 13   | 14              | 5.3               |          | 102                  | 5.8                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0154-113.7697 | -113.7697 | 0154    | 07          | 0         | 30350              | 05/26/74     | 13   | 17              | 5.2               |          | 30                   | 6.2                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0155-113.7614 | -113.7614 | 0155    | 07          | 0         | 30351              | 05/26/74     | 13   | 12              | 5.3               |          | 141                  | 6.1                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0077-113.8005 | -113.8005 | 0077    | 07          | 0         | 30352              | 05/26/74     | 14   | 12              | 4.9               | C        | 90                   | 6.1                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0097-113.8030 | -113.8030 | 0097    | 07          | 0         | 30353              | 05/26/74     | 14   | 12              | 5.4               |          | 70                   | 6.1                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0127-113.8136 | -113.8136 | 0127    | 07          | 0         | 30354              | 05/26/74     | 14   | 9               | 3.3               |          | 23                   | 5.5                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0227-113.8288 | -113.8288 | 0227    | 07          | 0         | 30355              | 05/26/74     | 15   | 8               | 4.2               |          | 65                   | 5.8                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0025-113.8201 | -113.8201 | 0025    | 07          | 0         | 30356              | 05/26/74     | 16   | 10              | 5.2               |          | 85                   | 5.8                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0056-113.8458 | -113.8458 | 0056    | 07          | 0         | 30357              | 05/26/74     | 16   | 10              | 4.5               |          | 81                   | 5.7                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0138-113.7625 | -113.7625 | 0138    | 07          | 0         | 30358              | 05/26/74     | 10   | 6               | 4.4               |          | 165                  | 6.1                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0272-114.3249 | -114.3249 | 0272    | 07          | 0         | 30359              | 05/26/74     | 9    | 8               | 5.0               |          | 16                   | 6.1                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0345-114.3249 | -114.3249 | 0345    | 07          | 0         | 30360              | 05/26/74     | 9    | 8               | 5.0               |          | 45                   | 6.2                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0156-114.3464 | -114.3464 | 0156    | 07          | 0         | 30361              | 05/26/74     | 9    | 8               | 9.4               |          | 500                  | 7.2                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 1.14          | 0.10 |
| 30-08 | 0730-114.3313 | -114.3313 | 0730    | 07          | 0         | 30362              | 05/26/74     | 10   | 5               | 5.2               |          | 85                   | 6.2                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0730-114.3313 | -114.3313 | 0730    | 07          | 0         | 30363              | 05/26/74     | 10   | 5               | 3.5               |          | 85                   | 6.2                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0730-114.3322 | -114.3322 | 0730    | 07          | 0         | 30364              | 05/26/74     | 11   | 6               | 4.0               |          | 65                   | 6.3                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0138-114.3272 | -114.3272 | 0138    | 07          | 0         | 30365              | 05/26/74     | 11   | 6               | 4.0               |          | 110                  | 6.3                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0502-114.4330 | -114.4330 | 0502    | 07          | 0         | 30366              | 05/26/74     | 12   | 6               | 3.5               |          | 110                  | 6.3                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0502-114.4330 | -114.4330 | 0502    | 07          | 0         | 30367              | 05/26/74     | 12   | 5               | 3.5               |          | 130                  | 6.0                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0525-114.4270 | -114.4270 | 0525    | 07          | 0         | 30368              | 05/26/74     | 12   | 7               | 6.4               |          | 221                  | 6.9                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0156-114.4270 | -114.4270 | 0156    | 07          | 0         | 30369              | 05/26/74     | 12   | 7               | 4.4               |          | 120                  | 6.6                               | 1-7                    | 6-6 | 4-2       | 1-2        | 4-3           | 1-2            | 4-3        | 1-2         | 4-3          | 1-2             | 4-3                | 1-2            | 4-3     | 1-2       | 4-3          | 1-2       | 4-3                    | 1-2               | 4-3                | 1-2         | 4-3              | 0.10          | 0.10 |
| 30-08 | 0136-114.4714 | -114.4714 | 0136    | 07          | 0         | 3                  |              |      |                 |                   |          |                      |                                   |                        |     |           |            |               |                |            |             |              |                 |                    |                |         |           |              |           |                        |                   |                    |             |                  |               |      |

LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| STATE | LATITUDE          | LONGITUDE | EMSA LAB | SAMPLE TYPE | REPLICATE | LASL SAMPLE NUMBER | TIME SAMPLED |      | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | PH  | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLOMETER (cpm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLUMN | STREAK CHANNEL | VEGETATION TYPE | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | LABORATORY DATA |      |
|-------|-------------------|-----------|----------|-------------|-----------|--------------------|--------------|------|-----------------|-------------------|----------|----------------------|-----|---------------------------------|----------------------|-----------|------------|---------------|----------------|------------|-------------|--------------|----------------|-----------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|-----------------|------|
|       |                   |           |          |             |           |                    | DATE         | HOUR |                 |                   |          |                      |     |                                 |                      |           |            |               |                |            |             |              |                |                 |        |         |           |              |           |                        |                   |                    | DEPTH (FEET)    | TYPE |
| 30-48 | 3769-11.7161-2-07 |           |          |             |           | 003464-05          | 10/7/64      | 7-5  | 7-5             |                   |          | 6.9                  | 125 | 11-4                            | 2-3                  | 1-1       | 1-4        | 5-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 3772-11.7853-2-07 |           |          |             |           | 003464-05          | 10/7/64      | 7-5  | 7-5             |                   |          | 6.9                  | 255 | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 2613-11.3955-2-07 |           |          |             |           | 003464-05          | 10/7/64      | 15   | 7-5             |                   |          | 7.6                  | 300 | 4-4                             | 3-3                  | 1-1       | 1-4        | 5-3           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 2656-11.4319-2-07 |           |          |             |           | 003464-05          | 10/7/64      | 15   | 7-2             |                   |          | 7.6                  | 370 | 4-4                             | 3-3                  | 1-1       | 1-4        | 5-3           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 2368-11.4850-2-07 |           |          |             |           | 003464-05          | 10/7/64      | 14   | 9-0             |                   |          | 6.6                  | 370 | 4-4                             | 3-3                  | 1-1       | 1-4        | 5-3           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 3191-11.4558-2-07 |           |          |             |           | 003464-05          | 10/7/64      | 14   | 18              |                   |          | 7.2                  | 280 | 4-4                             | 3-3                  | 1-1       | 1-4        | 5-3           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 3472-11.4368-2-07 |           |          |             |           | 003464-05          | 10/7/64      | 15   | 19              |                   |          | 7.0                  | 420 | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 3691-11.4360-2-07 |           |          |             |           | 003464-05          | 10/7/64      | 16   | 19              |                   |          | 8.1                  | 400 | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 3701-11.4793-2-07 |           |          |             |           | 003464-05          | 10/7/64      | 15   | 9-2             |                   |          | 8.1                  | 400 | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 3761-11.5144-2-07 |           |          |             |           | 003464-05          | 10/7/64      | 7    | 6-5             |                   |          | 6.8                  | 180 | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 3733-11.4073-2-07 |           |          |             |           | 003464-05          | 10/7/64      | 7    | 5-2             |                   |          | 6.8                  | 200 | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 3168-11.4872-2-07 |           |          |             |           | 003464-05          | 10/7/64      | 7    | 5-2             |                   |          | 6.8                  | 200 | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 3168-11.4872-2-07 |           |          |             |           | 003464-05          | 10/7/64      | 7    | 5-2             |                   |          | 6.8                  | 200 | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 3133-11.8015-2-07 |           |          |             |           | 003464-05          | 10/7/64      | 10   | 4-2             |                   |          | 6.7                  | 160 | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 3238-11.7933-2-07 |           |          |             |           | 003464-05          | 10/7/64      | 10   | 4-2             |                   |          | 6.7                  | 160 | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 2813-11.7625-2-07 |           |          |             |           | 003464-05          | 10/7/64      | 14   | 8-8             |                   |          | 6.6                  | 310 | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 2811-11.7293-2-07 |           |          |             |           | 003464-05          | 10/7/64      | 14   | 7-2             |                   |          | 7.2                  | 650 | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 2775-11.7133-2-07 |           |          |             |           | 003464-05          | 10/7/64      | 16   | 7-2             |                   |          | 5.0                  | 280 | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 2775-11.7133-2-07 |           |          |             |           | 003464-05          | 10/7/64      | 16   | 7-2             |                   |          | 5.0                  | 280 | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 2511-11.6086-2-07 |           |          |             |           | 003464-05          | 10/7/64      | 10   | 9-8             |                   |          | 6.1                  | 330 | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 3221-11.8381-2-07 |           |          |             |           | 003464-05          | 10/7/64      | 7    | 3-8             |                   |          | 6.0                  | 200 | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 475-11.8884-2-07  |           |          |             |           | 003464-05          | 10/7/64      | 7    | 2-8             |                   |          | 6.0                  | 200 | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 472-11.8884-2-07  |           |          |             |           | 003464-05          | 10/7/64      | 7    | 2-8             |                   |          | 6.0                  | 200 | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 603-11.4591-2-07  |           |          |             |           | 003464-05          | 10/7/64      | 7    | 2-8             |                   |          | 6.4                  | 70  | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 603-11.4591-2-07  |           |          |             |           | 003464-05          | 10/7/64      | 7    | 2-8             |                   |          | 6.4                  | 70  | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 603-11.4591-2-07  |           |          |             |           | 003464-05          | 10/7/64      | 7    | 2-8             |                   |          | 6.4                  | 70  | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 603-11.4591-2-07  |           |          |             |           | 003464-05          | 10/7/64      | 7    | 2-8             |                   |          | 6.4                  | 70  | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 603-11.4591-2-07  |           |          |             |           | 003464-05          | 10/7/64      | 7    | 2-8             |                   |          | 6.4                  | 70  | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 603-11.4591-2-07  |           |          |             |           | 003464-05          | 10/7/64      | 7    | 2-8             |                   |          | 6.4                  | 70  | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 603-11.4591-2-07  |           |          |             |           | 003464-05          | 10/7/64      | 7    | 2-8             |                   |          | 6.4                  | 70  | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 603-11.4591-2-07  |           |          |             |           | 003464-05          | 10/7/64      | 7    | 2-8             |                   |          | 6.4                  | 70  | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 603-11.4591-2-07  |           |          |             |           | 003464-05          | 10/7/64      | 7    | 2-8             |                   |          | 6.4                  | 70  | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 603-11.4591-2-07  |           |          |             |           | 003464-05          | 10/7/64      | 7    | 2-8             |                   |          | 6.4                  | 70  | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 603-11.4591-2-07  |           |          |             |           | 003464-05          | 10/7/64      | 7    | 2-8             |                   |          | 6.4                  | 70  | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 603-11.4591-2-07  |           |          |             |           | 003464-05          | 10/7/64      | 7    | 2-8             |                   |          | 6.4                  | 70  | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 603-11.4591-2-07  |           |          |             |           | 003464-05          | 10/7/64      | 7    | 2-8             |                   |          | 6.4                  | 70  | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 603-11.4591-2-07  |           |          |             |           | 003464-05          | 10/7/64      | 7    | 2-8             |                   |          | 6.4                  | 70  | 1-4                             | 1-4                  | 1-4       | 1-4        | 1-4           | 1-4            | 1-4        | 1-4         | 1-4          | 1-4            | 1-4             | 1-4    | 1-4     | 1-4       | 1-4          | 1-4       | 1-4                    | 1-4               | 0.10               | 0.10            |      |
| 30-48 | 603-11.4591-2-07  |           |          |             |           | 003464-05          | 10/7/64      | 7    | 2-8             |                   |          | 6.4                  | 70  | 1-4                             |                      |           |            |               |                |            |             |              |                |                 |        |         |           |              |           |                        |                   |                    |                 |      |

# LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| STATE | LATITUDE           | LONGITUDE | ERDA LAB | SAMPLE TYPE | REPLICATE | LASL SAMPLE NUMBER | TIME SAMPLED |      | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | pH    | SPECIFIC CONDUCTANCE (microhm/cm) | SCINTILLOMETER (cpm) | LASL SAMPLE NUMBER AND FIELD DATA |            |               |                |            |             |             |                |                 |                    | U CONCENTRATION |         |
|-------|--------------------|-----------|----------|-------------|-----------|--------------------|--------------|------|-----------------|-------------------|----------|----------------------|-------|-----------------------------------|----------------------|-----------------------------------|------------|---------------|----------------|------------|-------------|-------------|----------------|-----------------|--------------------|-----------------|---------|
|       |                    |           |          |             |           |                    | DATE         | HOUR |                 |                   |          |                      |       |                                   |                      | ROCK TYPE                         | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF          | WEATHER |
| 30-A  | 0055-113.3506-2-07 |           |          |             |           | 005510             | 05/25/74     | 9    | 13.1            | 6.6               | 272      | 7-1-1                | 5-6-1 | 4-3-2                             | 2-2                  | 1                                 | 1.74       |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0105-113.4272-2-07 |           |          |             |           | 005502             | 05/25/74     | 10   | 9-12.2          | 5.7               | 73       | 11-1                 | 5-3-4 | 2-2                               | 1                    | 0.70                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0122-113.4134-2-07 |           |          |             |           | 005503             | 05/25/74     | 10   | 4-5.1           | 5.6               | 69       | 11-2                 | 7-4-4 | 2-2                               | 3-2                  | 0.10                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0144-113.4194-2-07 |           |          |             |           | 005504             | 05/25/74     | 11   | 4-4.4-C         | 5.7               | 44       | 10-1                 | 7-2-4 | 4-4                               | 2-1                  | 0.10                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0549-113.4702-2-07 |           |          |             |           | 005505             | 05/25/74     | 12   | 9-11.2-C        | 5.7               | 86       | 7-1                  | 5-3-4 | 3-4                               | 1-2                  | 0.41                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0575-113.4663-2-07 |           |          |             |           | 005506             | 05/25/74     | 13   | 9-7.0           | 5.6               | 46       | 4-1                  | 5-3-4 | 3-4                               | 1-2                  | 0.32                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0650-113.4502-2-07 |           |          |             |           | 005507             | 05/25/74     | 13   | 9-11.8          | 5.7               | 53       | 15-1                 | 7-5-2 | 4-4                               | 2-1                  | 0.10                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0783-113.4683-2-07 |           |          |             |           | 005508             | 05/25/74     | 13   | 7-14.0          | 6.2               | 71       | 4-1                  | 7-5-2 | 4-4                               | 2-1                  | 0.15                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 1058-113.4419-2-07 |           |          |             |           | 005509             | 05/25/74     | 13   | 7-5.4           | 6.7               | 54       | 7-1                  | 7-2-7 | 4-4                               | 2-1                  | 0.10                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 1061-113.4769-2-07 |           |          |             |           | 005510             | 05/25/74     | 14   | 5-7.7           | 5.6               | 56       | 7-1                  | 7-2-7 | 4-4                               | 2-1                  | 0.10                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 1172-113.4933-2-07 |           |          |             |           | 005511             | 05/25/74     | 14   | 9-14.9          | 6.0               | 137      | 12-1                 | 7-2-7 | 4-4                               | 2-1                  | 0.10                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 1249-113.4761-2-07 |           |          |             |           | 005512             | 05/25/74     | 15   | 7-6.8           | 6.0               | 102      | 10-1                 | 7-3-4 | 4-4                               | 2-1                  | 0.20                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 1350-113.4760-2-07 |           |          |             |           | 005513             | 05/25/74     | 15   | 7-8.0           | 6.7               | 208      | 12-1                 | 7-2-7 | 4-4                               | 2-1                  | 0.42                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 1611-113.4934-2-07 |           |          |             |           | 005514             | 05/25/74     | 16   | 5-3.9           | 6.2               | 91       | 11-1                 | 7-2-7 | 4-4                               | 2-1                  | 0.10                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 1671-113.4972-2-07 |           |          |             |           | 005515             | 05/25/74     | 16   | 7-7.2           | 6.4               | 331      | 8-1                  | 7-2-7 | 3-4                               | 2-1                  | 0.21                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 2665-113.4961-2-07 |           |          |             |           | 005516             | 05/26/74     | 11   | 6-3.4           | 6.2               | 140      | 14-1                 | 7-1-7 | 4-4                               | 2-1                  | 0.31                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 2772-113.4791-2-07 |           |          |             |           | 005517             | 05/26/74     | 11   | 6-3.6-C         | 6.6               | 170      | 4-1                  | 7-1-7 | 4-4                               | 2-1                  | 0.15                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 2855-113.4622-07   |           |          |             |           | 005518             | 05/26/74     | 12   | 6-3.4           | 6.4               | 195      | 4-1                  | 7-2-7 | 3-3                               | 1-2                  | 0.10                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 2920-113.4922-07   |           |          |             |           | 005519             | 05/26/74     | 12   | 9-3.4           | 6.1               | 148      | 5-2                  | 6-1-0 | 4-4                               | 1-2                  | 0.34                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 2920-113.4772-2-07 |           |          |             |           | 005520             | 05/26/74     | 13   | 12-6.1          | 6.2               | 172      | 7-1                  | 7-3-3 | 3-3                               | 1-2                  | 0.34                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 2922-113.4772-2-07 |           |          |             |           | 005521             | 05/26/74     | 14   | 13-3.2          | 6.2               | 159      | 11-1                 | 7-2-7 | 4-4                               | 2-1                  | 0.20                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 2922-113.4772-2-07 |           |          |             |           | 005522             | 05/26/74     | 14   | 13-3.6          | 6.6               | 165      | 12-1                 | 7-2-7 | 4-4                               | 2-1                  | 0.24                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0830-113.6519-2-07 |           |          |             |           | 005523             | 05/26/74     | 16   | 13-3.4          | 6.1               | 142      | 9-1                  | 7-2-7 | 4-4                               | 2-1                  | 0.20                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0730-113.6243-2-07 |           |          |             |           | 005524             | 05/26/74     | 16   | 13-7.0          | 6.4               | 184      | 7-2                  | 7-2-7 | 4-4                               | 2-1                  | 0.60                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0600-113.6243-2-07 |           |          |             |           | 005525             | 05/26/74     | 16   | 11-7.0          | 6.2               | 143      | 10-2                 | 7-2-7 | 4-4                               | 2-1                  | 0.10                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0600-113.6243-2-07 |           |          |             |           | 005526             | 05/26/74     | 16   | 11-6.4          | 6.0               | 120      | 10-2                 | 7-2-7 | 4-4                               | 2-1                  | 0.10                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0600-113.6243-2-07 |           |          |             |           | 005527             | 05/26/74     | 17   | 11-8.1-C        | 6.2               | 165      | 11-2                 | 7-2-7 | 4-4                               | 2-1                  | 0.10                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0630-113.7163-2-07 |           |          |             |           | 005528             | 05/26/74     | 17   | 10-7.1          | 5.7               | 34       | 10-2                 | 7-2-7 | 4-4                               | 2-1                  | 0.10                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0975-114.7366-2-07 |           |          |             |           | 005529             | 05/28/74     | 10   | 4-2.4           | 5.7               | 49       | 17-1                 | 7-1-4 | 4-4                               | 2-1                  | 0.42                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0975-114.7332-07   |           |          |             |           | 005530             | 05/28/74     | 11   | 4-3.2           | 6.1               | 40       | 12-1                 | 7-1-4 | 4-4                               | 2-1                  | 0.42                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0975-114.7307-2-07 |           |          |             |           | 005531             | 05/28/74     | 12   | 5-3.4           | 6.4               | 145      | 20-3                 | 7-1-7 | 4-4                               | 2-1                  | 0.23                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0975-114.7307-2-07 |           |          |             |           | 005532             | 05/28/74     | 12   | 5-3.3           | 6.4               | 146      | 12-1                 | 7-1-7 | 4-4                               | 2-1                  | 0.10                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0975-114.7307-2-07 |           |          |             |           | 005533             | 05/28/74     | 13   | 7-4.9           | 6.7               | 203      | 13-1                 | 7-3-3 | 3-4                               | 2-1                  | 0.22                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0975-114.7307-2-07 |           |          |             |           | 005534             | 05/28/74     | 13   | 4-4.2           | 6.0               | 139      | 4-1                  | 7-2-7 | 4-4                               | 2-1                  | 0.10                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0975-114.7307-2-07 |           |          |             |           | 005535             | 05/28/74     | 13   | 8-4.0           | 6.0               | 101      | 12-1                 | 7-2-7 | 4-4                               | 2-1                  | 0.10                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0975-114.7307-2-07 |           |          |             |           | 005536             | 05/28/74     | 15   | 9-3.9           | 6.4               | 179      | 4-1                  | 7-1-7 | 4-4                               | 2-1                  | 0.22                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0975-114.7307-2-07 |           |          |             |           | 005537             | 05/28/74     | 15   | 9-5.0           | 6.1               | 97       | 7-1                  | 7-2-7 | 4-4                               | 2-1                  | 0.25                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0975-114.7307-2-07 |           |          |             |           | 005538             | 05/28/74     | 15   | 10-4.4          | 6.7               | 208      | 10-1                 | 7-3-3 | 3-4                               | 2-1                  | 0.19                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0975-114.7307-2-07 |           |          |             |           | 005539             | 05/28/74     | 15   | 11-5.1          | 6.4               | 218      | 4-1                  | 7-2-7 | 4-4                               | 2-1                  | 0.10                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0975-114.7307-2-07 |           |          |             |           | 005540             | 05/28/74     | 16   | 8-5.1           | 6.7               | 117      | 4-1                  | 7-3-3 | 3-4                               | 2-1                  | 0.10                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0975-114.7307-2-07 |           |          |             |           | 005541             | 05/28/74     | 17   | 11-5.0          | 6.0               | 267      | 5-1                  | 7-3-3 | 3-4                               | 2-1                  | 0.19                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0975-114.7307-2-07 |           |          |             |           | 005542             | 05/28/74     | 17   | 11-4.0          | 6.0               | 177      | 10-1                 | 7-2-7 | 4-4                               | 2-1                  | 0.21                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0975-114.7307-2-07 |           |          |             |           | 005543             | 05/28/74     | 17   | 9-4.6           | 6.0               | 141      | 4-1                  | 7-2-7 | 4-4                               | 2-1                  | 0.10                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0975-114.7307-2-07 |           |          |             |           | 005544             | 05/28/74     | 18   | 10-4.9          | 6.0               | 145      | 5-1                  | 7-1-7 | 4-4                               | 2-1                  | 0.34                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0975-114.7307-2-07 |           |          |             |           | 005545             | 05/28/74     | 19   | 8-5.1           | 6.4               | 140      | 11-1                 | 5-4-5 | 4-5                               | 2-1                  | 0.10                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0975-114.7307-2-07 |           |          |             |           | 005546             | 05/28/74     | 19   | 9-6.3           | 6.4               | 165      | 4-1                  | 5-4-5 | 4-5                               | 2-1                  | 0.20                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0975-114.7307-2-07 |           |          |             |           | 005547             | 05/28/74     | 19   | 7-4.8           | 6.1               | 121      | 8-1                  | 7-2-7 | 4-4                               | 2-1                  | 0.10                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0975-114.7307-2-07 |           |          |             |           | 005548             | 05/28/74     | 20   | 7-4.8           | 6.1               | 152      | 17-1                 | 7-2-7 | 4-4                               | 2-1                  | 0.10                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0975-114.7307-2-07 |           |          |             |           | 005549             | 05/28/74     | 20   | 6-3.8           | 5.9               | 104      | 15-1                 | 7-2-7 | 4-4                               | 2-1                  | 0.22                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0975-114.7307-2-07 |           |          |             |           | 005550             | 05/28/74     | 20   | 5-4.4           | 6.1               | 75       | 15-1                 | 7-2-7 | 4-4                               | 2-1                  | 0.22                              |            |               |                |            |             |             |                |                 |                    |                 |         |
| 30-A  | 0975-114.7307-2-07 |           |          |             |           | 005551             | 05/29/74     | 17   | 17-6.0          | 6.4               | 259      | 10-1                 | 7-3-3 | 3-3                               | 1-2                  | 0.68                              |            |               |                |            |             |             |                |                 |                    |                 |         |





LAST Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| ERDA SAMPLE NUMBER |          | LAST SAMPLE NUMBER AND FIELD DATA |          | OCCURRENCE  |           |                    |            |                 |                   |          |                      |     |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                                  |                        |   |   |   |   |   |
|--------------------|----------|-----------------------------------|----------|-------------|-----------|--------------------|------------|-----------------|-------------------|----------|----------------------|-----|---------------------------------|----------------------|-----------|------------|---------------|----------------|------------|-------------|-------------|----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|----------------------------------|------------------------|---|---|---|---|---|
| STATE              | LATITUDE | LONGITUDE                         | ERDA LAB | SAMPLE TYPE | REPLICATE | LAST SAMPLE NUMBER | DATE       | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | pH  | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLOMETER (cpm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | THICKNESS OF WATER COLUMN (FEET) | DEPTH OF SAMPLE (FEET) |   |   |   |   |   |
| 30-08              | 2A38     | 11                                | 5.5443   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 |   |   |   |   |
| 30-08              | 2752     | 11                                | 5.5203   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 |   |   |   |
| 30-08              | 2825     | 11                                | 5.4849   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 |   |   |   |
| 30-08              | 2855     | 11                                | 5.4375   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 |   |   |
| 30-08              | 2180     | 11                                | 5.4833   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 |   |   |
| 30-08              | 1927     | 11                                | 5.4722   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 |   |   |
| 30-08              | 1350     | 11                                | 5.4244   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 |   |   |
| 30-08              | 2071     | 11                                | 5.4210   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 |   |
| 30-08              | 1025     | 11                                | 5.4942   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 |   |
| 30-08              | 1441     | 11                                | 5.4119   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 |   |
| 30-08              | 1941     | 11                                | 5.3919   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 |   |
| 30-08              | 1543     | 11                                | 5.4013   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 |   |
| 30-08              | 1790     | 11                                | 5.4393   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 |   |
| 30-08              | 1356     | 11                                | 5.4294   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 |   |
| 30-08              | 1221     | 11                                | 5.4318   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 |   |
| 30-08              | 1122     | 11                                | 5.4223   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 |   |
| 30-08              | 1113     | 11                                | 5.4162   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 |   |
| 30-08              | 0931     | 11                                | 5.4335   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 |   |
| 30-08              | 0780     | 11                                | 5.4777   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 |   |
| 30-08              | 0803     | 11                                | 5.4313   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 |   |
| 30-08              | 0343     | 11                                | 5.4016   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 |   |
| 30-08              | 0331     | 11                                | 5.4016   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 |   |
| 30-08              | 0002     | 11                                | 5.4033   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 |   |
| 30-08              | 0597     | 11                                | 5.4503   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 |   |
| 30-08              | 0780     | 11                                | 5.4523   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 |   |
| 30-08              | 0427     | 11                                | 5.4544   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 | 1 |
| 30-08              | 0510     | 11                                | 5.4544   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 | 1 |
| 30-08              | 1101     | 11                                | 5.4945   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 | 1 |
| 30-08              | 1072     | 11                                | 5.4582   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 | 1 |
| 30-08              | 1385     | 11                                | 5.4335   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 | 1 |
| 30-08              | 1385     | 11                                | 5.4335   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 | 1 |
| 30-08              | 1492     | 11                                | 5.4527   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 | 1 |
| 30-08              | 1521     | 11                                | 5.4521   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 | 1 |
| 30-08              | 1255     | 11                                | 5.4111   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 | 1 |
| 30-08              | 0412     | 11                                | 5.4424   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 | 1 |
| 30-08              | 0422     | 11                                | 5.4544   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1       | 1         | 1            | 1         | 1                      | 1                 | 1                  | 1                                | 1                      | 1 | 1 | 1 | 1 | 1 |
| 30-08              | 0372     | 11                                | 5.4514   | -2-07       |           | 30-08              | 1977-11-15 | 7.0             | 5.0               |          |                      | 7.0 | 120                             | 12-1                 | 3-6       | 3-3-1      | 2-1           | 5-3            |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                                  |                        |   |   |   |   |   |













# LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| STATE | LATITUDE        | LONGITUDE | ERPA LAB | SAMPLE TYPE | REPLICATE | LASL SAMPLE NUMBER | TIME SAMPLED |      | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | PH  | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLOMETER (µdppm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION DENSITY | RELIEF | WEATHER | OWNERSHIP | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | U CONCENTRATION |               |
|-------|-----------------|-----------|----------|-------------|-----------|--------------------|--------------|------|-----------------|-------------------|----------|----------------------|-----|---------------------------------|------------------------|-----------|------------|---------------|----------------|------------|-------------|-------------|----------------|--------------------|--------|---------|-----------|-----------|------------------------|-------------------|--------------------|-----------------|---------------|
|       |                 |           |          |             |           |                    | DATE         | HOUR |                 |                   |          |                      |     |                                 |                        |           |            |               |                |            |             |             |                |                    |        |         |           |           |                        |                   |                    | SAMPLE TYPE     | CONCENTRATION |
|       |                 |           |          |             |           |                    |              |      |                 |                   |          |                      |     |                                 |                        |           |            |               |                |            |             |             |                |                    |        |         |           |           |                        |                   |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30001              | 04/21/74     | 15   | 6               | 4.7               |          | 5                    | 94  | 12                              | 1-1                    | 7-2       | 6-2        | 3-1           | 2-1            | 4-2        | 1-2         | 1-5         | 2-2            |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30002              | 04/21/74     | 16   | 10              | 9.2               | C        | 5                    | 4   | 16                              | 1-1                    | 7-2       | 6-2        | 3-1           | 2-2            | 4-2        | 1-2         | 1-5         | 2-2            |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30003              | 04/21/74     | 17   | 7               | 5.0               |          | 5                    | 130 | 2                               | 1-1                    | 7-4       | 6-4        | 3-1           | 2-2            | 4-3        | 1-2         | 1-4         | 3-2            |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30004              | 04/21/74     | 18   | 7               | 5.0               |          | 5                    | 65  | 16                              | 1-1                    | 7-3       | 6-3        | 3-1           | 1-1            | 1-3        | 1-3         | 1-4         | 4-3            |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30005              | 04/21/74     | 19   | 4               | 4.5               |          | 5                    | 11  | 16                              | 2-2                    | 8-3       | 6-4        | 1-1           | 1-4            | 4-4        | 1-2         | 4-4         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30006              | 04/21/74     | 20   | 7               | 5.4               |          | 5                    | 17  | 18                              | 1-1                    | 7-3       | 6-4        | 4-1           | 1-4            | 2-3        | 1-4         | 4-3         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30007              | 04/21/74     | 21   | 9               | 4.9               | C        | 5                    | 1   | 16                              | 1-1                    | 6-3       | 6-3        | 3-1           | 1-1            | 3-4        | 1-2         | 3-4         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30008              | 04/21/74     | 22   | 6               | 4.7               |          | 5                    | 21  | 16                              | 1-1                    | 7-4       | 6-5        | 3-1           | 1-1            | 4-3        | 1-2         | 4-3         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30009              | 04/21/74     | 23   | 8               | 5.2               |          | 5                    | 15  | 12                              | 1-1                    | 7-3       | 6-4        | 4-1           | 1-1            | 4-3        | 1-2         | 4-3         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30010              | 04/21/74     | 24   | 8               | 5.2               |          | 5                    | 15  | 12                              | 1-1                    | 7-3       | 6-4        | 4-1           | 1-1            | 4-3        | 1-2         | 4-3         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30011              | 04/21/74     | 25   | 10              | 4.8               | C        | 5                    | 60  | 24                              | 4-7                    | 3-6       | 4-5        | 1-1           | 1-2            | 3-3        | 1-2         | 3-3         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30012              | 04/21/74     | 26   | 7               | 5.5               |          | 5                    | 11  | 11                              | 1-3                    | 1-3       | 1-5        | 3-1           | 1-1            | 2-3        | 1-2         | 3-3         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30013              | 04/21/74     | 27   | 9               | 5.0               | C        | 5                    | 7   | 11                              | 4                      | 1-7       | 4-6        | 4-1           | 1-1            | 3-2        | 1-2         | 3-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30014              | 04/21/74     | 28   | 9               | 6.0               |          | 5                    | 23  | 9                               | 1-1                    | 7-3       | 6-4        | 3-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30015              | 04/21/74     | 29   | 9               | 5.0               |          | 5                    | 29  | 6                               | 1-1                    | 7-4       | 6-4        | 4-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30016              | 04/21/74     | 30   | 9               | 5.7               |          | 5                    | 16  | 16                              | 1-1                    | 7-6       | 6-4        | 4-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30017              | 04/21/74     | 31   | 9               | 5.6               |          | 5                    | 16  | 16                              | 3-1                    | 7-6       | 6-4        | 4-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30018              | 04/21/74     | 32   | 9               | 5.0               |          | 5                    | 17  | 12                              | 3-1                    | 7-5       | 6-4        | 4-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30019              | 04/21/74     | 33   | 9               | 5.0               |          | 5                    | 17  | 12                              | 3-1                    | 7-5       | 6-4        | 4-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30020              | 04/21/74     | 34   | 9               | 5.0               |          | 5                    | 17  | 12                              | 3-1                    | 7-5       | 6-4        | 4-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30021              | 04/21/74     | 35   | 9               | 4.5               |          | 5                    | 28  | 6                               | 1-1                    | 7-4       | 6-4        | 4-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30022              | 04/21/74     | 36   | 11              | 7.1               |          | 6                    | 41  | 6                               | 1-1                    | 7-3       | 6-4        | 4-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30023              | 04/21/74     | 37   | 10              | 4.0               |          | 5                    | 30  | 6                               | 1-1                    | 7-3       | 6-4        | 4-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30024              | 04/21/74     | 38   | 10              | 4.4               |          | 5                    | 32  | 6                               | 1-1                    | 7-3       | 6-4        | 4-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30025              | 04/21/74     | 39   | 8               | 6.0               | C        | 6                    | 120 | 10                              | 1-1                    | 7-4       | 6-4        | 4-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30026              | 04/21/74     | 40   | 8               | 5.0               |          | 5                    | 25  | 6                               | 1-1                    | 7-3       | 6-4        | 4-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30027              | 04/21/74     | 41   | 10              | 5.9               | C        | 6                    | 2   | 6                               | 1-1                    | 7-5       | 6-3        | 3-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30028              | 04/21/74     | 42   | 10              | 6.1               |          | 6                    | 2   | 6                               | 1-1                    | 7-5       | 6-4        | 4-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30029              | 04/21/74     | 43   | 10              | 6.6               |          | 6                    | 2   | 6                               | 1-1                    | 7-5       | 6-4        | 4-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30030              | 04/21/74     | 44   | 10              | 6.0               |          | 5                    | 22  | 6                               | 1-1                    | 7-3       | 6-4        | 4-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30031              | 04/21/74     | 45   | 10              | 6.0               |          | 5                    | 22  | 6                               | 1-1                    | 7-3       | 6-4        | 4-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30032              | 04/21/74     | 46   | 10              | 5.4               |          | 5                    | 21  | 6                               | 1-1                    | 7-4       | 6-4        | 4-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30033              | 04/21/74     | 47   | 10              | 6.2               |          | 5                    | 99  | 6                               | 1-1                    | 7-6       | 6-4        | 4-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30034              | 04/21/74     | 48   | 12              | 7.1               |          | 6                    | 120 | 6                               | 1-1                    | 7-6       | 6-4        | 4-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30035              | 04/21/74     | 49   | 12              | 8.3               |          | 6                    | 120 | 6                               | 1-1                    | 7-6       | 6-4        | 4-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30036              | 04/21/74     | 50   | 11              | 6.3               |          | 6                    | 9   | 2                               | 1-1                    | 7-6       | 6-3        | 3-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30037              | 04/21/74     | 51   | 9               | 5.0               | C        | 5                    | 2   | 6                               | 1-1                    | 7-5       | 6-3        | 3-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30038              | 04/21/74     | 52   | 9               | 5.2               |          | 5                    | 42  | 6                               | 1-1                    | 7-6       | 6-4        | 4-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30039              | 04/21/74     | 53   | 9               | 5.2               |          | 5                    | 42  | 6                               | 1-1                    | 7-6       | 6-4        | 4-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |
| 30-AR | 3655-11.8336-07 |           |          |             |           | 30040              | 04/21/74     | 54   | 9               | 5.2               |          | 5                    | 42  | 6                               | 1-1                    | 7-6       | 6-4        | 4-1           | 1-1            | 4-2        | 1-2         | 4-2         |                |                    |        |         |           |           | 0.16                   | 0.10              |                    |                 |               |

# LAST Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| ERDA SAMPLE NUMBER |          |           |          | TIME SAMPLED |           |                    |          | LAST SAMPLE NUMBER AND FIELD DATA |                 |                   |                      |          |     |                                 |                      |           |            |               |                |            | U CONCENTRATION |             |                |                 |        |         |           |              |           |                        |                   |                    |             |                       |      |      |
|--------------------|----------|-----------|----------|--------------|-----------|--------------------|----------|-----------------------------------|-----------------|-------------------|----------------------|----------|-----|---------------------------------|----------------------|-----------|------------|---------------|----------------|------------|-----------------|-------------|----------------|-----------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|-------------|-----------------------|------|------|
| STATE              | LATITUDE | LONGITUDE | ERDA LAB | SAMPLE TYPE  | REPLICATE | LAST SAMPLE NUMBER | DATE     | HOUR                              | AIR TEMPERATURE | WATER TEMPERATURE | SPECIAL MEASUREMENTS | COMMENTS | pH  | SPECIFIC CONDUCTANCE (micro/cm) | SCINTILLOMETER (cpm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL     | WATER COLOR | STREAM CHANNEL | VEGETATION TYPE | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | SAMPLE TYPE | U CONCENTRATION (PPM) |      |      |
| 30-48              | 5953     | -115.6911 | 2-07     |              |           | 0-30492            | 06/27/74 | 16                                | 10              | 7.0               | 6.5                  |          | 5.7 | 6.9                             | 12                   | 1-7       | 6-6        | 3-1           | 1-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 0-19                  |      |      |
| 30-48              | 5958     | -115.6922 | 2-07     |              |           | 0-30493            | 06/27/74 | 16                                | 9               | 7.0               | 6.5                  |          | 6.9 | 7.0                             | 13                   | 1-1       | 6-6        | 3-1           | 1-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 0-29                  |      |      |
| 30-48              | 5913     | -115.6919 | 2-07     |              |           | 0-30444            | 06/24/74 | 16                                | 8               | 7.0               | 6.5                  |          | 6.9 | 7.0                             | 10                   | 1-1       | 6-6        | 3-1           | 1-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 0-26                  |      |      |
| 30-48              | 5953     | -115.6922 | 2-07     |              |           | 0-30445            | 06/24/74 | 16                                | 9               | 7.1               | 6.1                  |          | 6.5 | 6.5                             | 14                   | 1-1       | 7-7        | 6-6           | 4-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 0-10                  |      |      |
| 30-48              | 5915     | -115.6933 | 2-07     |              |           | 0-30446            | 06/24/74 | 16                                | 8               | 6.0               | 6.0                  |          | 5.9 | 6.1                             | 15                   | 1-1       | 7-7        | 6-6           | 4-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 0-10                  |      |      |
| 30-48              | 5915     | -115.6933 | 2-07     |              |           | 0-30447            | 06/24/74 | 17                                | 7               | 5.8               | 5.7                  |          | 5.7 | 5.7                             | 16                   | 1-1       | 7-7        | 6-6           | 4-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-10 |      |
| 30-48              | 5915     | -115.6933 | 2-07     |              |           | 0-30448            | 06/24/74 | 17                                | 5               | 5.6               | 5.7                  |          | 5.7 | 5.7                             | 17                   | 1-1       | 7-7        | 6-6           | 4-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-10 |      |
| 30-48              | 5911     | -115.6933 | 2-07     |              |           | 0-30449            | 06/24/74 | 17                                | 10              | 6.1               | 6.1                  |          | 5.7 | 5.5                             | 18                   | 1-1       | 7-7        | 6-6           | 4-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-10 |      |
| 30-48              | 5916     | -115.6933 | 2-07     |              |           | 0-30450            | 06/27/74 | 10                                | 13              | 8.0               | 6.4                  |          | 6.4 | 7.0                             | 19                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-18 |      |
| 30-48              | 5922     | -115.5311 | 2-07     |              |           | 0-30451            | 06/27/74 | 10                                | 13              | 8.5               | 6.4                  |          | 6.4 | 7.0                             | 20                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-18 |      |
| 30-48              | 5905     | -115.5334 | 2-07     |              |           | 0-30452            | 06/27/74 | 10                                | 13              | 8.5               | 6.4                  |          | 6.4 | 7.0                             | 21                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-18 |      |
| 30-48              | 5938     | -115.5555 | 2-07     |              |           | 0-30453            | 06/27/74 | 10                                | 13              | 8.2               | 6.5                  |          | 6.5 | 2.0                             | 22                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-77 |      |
| 30-48              | 5904     | -115.5525 | 2-07     |              |           | 0-30454            | 06/27/74 | 10                                | 13              | 8.2               | 6.5                  |          | 6.5 | 2.0                             | 23                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-10 |      |
| 30-48              | 5908     | -115.5665 | 2-07     |              |           | 0-30455            | 06/27/74 | 10                                | 14              | 6.0               | 6.0                  |          | 6.5 | 17.0                            | 24                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 0-23                  |      |      |
| 30-48              | 5916     | -115.5812 | 2-07     |              |           | 0-30456            | 06/27/74 | 11                                | 13              | 8.5               | 6.8                  |          | 6.8 | 13.0                            | 25                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-10 |      |
| 30-48              | 5916     | -115.5812 | 2-07     |              |           | 0-30457            | 06/27/74 | 11                                | 15              | 8.2               | 6.1                  |          | 6.1 | 13.0                            | 26                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-39 |      |
| 30-48              | 5916     | -115.5812 | 2-07     |              |           | 0-30458            | 06/27/74 | 11                                | 15              | 8.2               | 6.1                  |          | 6.1 | 13.0                            | 27                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-35 |      |
| 30-48              | 5900     | -115.5936 | 2-07     |              |           | 0-30459            | 06/27/74 | 11                                | 15              | 9.0               | 6.3                  |          | 6.3 | 13.0                            | 28                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-22 |      |
| 30-48              | 5919     | -115.6142 | 2-07     |              |           | 0-30460            | 06/27/74 | 11                                | 13              | 8.2               | 6.5                  |          | 6.5 | 13.0                            | 29                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-57 |      |
| 30-48              | 5919     | -115.6142 | 2-07     |              |           | 0-30461            | 06/27/74 | 11                                | 13              | 8.2               | 6.5                  |          | 6.5 | 13.0                            | 30                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-57 |      |
| 30-48              | 5917     | -115.6194 | 2-07     |              |           | 0-30462            | 06/27/74 | 11                                | 14              | 8.2               | 6.3                  |          | 6.3 | 13.0                            | 31                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-10 |      |
| 30-48              | 5920     | -115.6344 | 2-07     |              |           | 0-30463            | 06/27/74 | 11                                | 14              | 8.2               | 6.3                  |          | 6.3 | 13.0                            | 32                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-10 |      |
| 30-48              | 5920     | -115.6344 | 2-07     |              |           | 0-30464            | 06/27/74 | 12                                | 12              | 6.5               | 6.4                  |          | 6.4 | 17.5                            | 33                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-27 |      |
| 30-48              | 5920     | -115.6344 | 2-07     |              |           | 0-30465            | 06/27/74 | 12                                | 12              | 6.5               | 6.4                  |          | 6.4 | 17.0                            | 34                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-15 |      |
| 30-48              | 5920     | -115.6344 | 2-07     |              |           | 0-30466            | 06/27/74 | 13                                | 13              | 6.5               | 6.4                  |          | 6.4 | 17.0                            | 35                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-10 |      |
| 30-48              | 5933     | -115.6447 | 2-07     |              |           | 0-30467            | 06/27/74 | 13                                | 13              | 6.5               | 6.4                  |          | 6.4 | 20.0                            | 36                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-27 |      |
| 30-48              | 7308     | -115.7251 | 2-07     |              |           | 0-30468            | 06/27/74 | 15                                | 14              | 7.1               | 6.1                  |          | 5.7 | 17                              | 37                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-10 |      |
| 30-48              | 7308     | -115.7264 | 2-07     |              |           | 0-30469            | 06/27/74 | 16                                | 12              | 7.5               | 6.0                  |          | 6.0 | 17                              | 38                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-10 |      |
| 30-48              | 7303     | -115.7644 | 2-07     |              |           | 0-30470            | 06/27/74 | 16                                | 11              | 7.5               | 6.2                  |          | 6.2 | 12                              | 39                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-10 |      |
| 30-48              | 775      | -115.818  | 2-07     |              |           | 0-30471            | 06/27/74 | 16                                | 13              | 8.2               | 5.7                  |          | 5.7 | 17                              | 40                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-10 |      |
| 30-48              | 777      | -115.818  | 2-07     |              |           | 0-30472            | 06/27/74 | 16                                | 13              | 8.1               | 5.9                  |          | 5.9 | 12                              | 41                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-10 |      |
| 30-48              | 783      | -115.828  | 2-07     |              |           | 0-30473            | 06/27/74 | 16                                | 14              | 8.2               | 5.7                  |          | 5.7 | 20                              | 42                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-65 |      |
| 30-48              | 0199     | -115.7558 | 2-07     |              |           | 0-30474            | 06/27/74 | 17                                | 14              | 8.0               | 6.2                  |          | 5.5 | 22                              | 43                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-77 |      |
| 30-48              | 5968     | -115.6038 | 2-07     |              |           | 0-30475            | 06/28/74 | 11                                | 12              | 8.2               | 6.7                  |          | 6.7 | 9.5                             | 44                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-10 |      |
| 30-48              | 6299     | -115.5927 | 2-07     |              |           | 0-30476            | 06/28/74 | 11                                | 12              | 8.5               | 6.7                  |          | 6.7 | 7.5                             | 45                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-10 |      |
| 30-48              | 675      | -115.584  | 2-07     |              |           | 0-30477            | 06/28/74 | 11                                | 13              | 8.5               | 6.7                  |          | 6.7 | 7.5                             | 46                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-10 |      |
| 30-48              | 672      | -115.584  | 2-07     |              |           | 0-30478            | 06/28/74 | 11                                | 14              | 8.5               | 6.1                  |          | 6.1 | 4.1                             | 47                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-32 |      |
| 30-48              | 680      | -115.584  | 2-07     |              |           | 0-30479            | 06/28/74 | 11                                | 14              | 8.5               | 6.1                  |          | 6.1 | 4.1                             | 48                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-32 |      |
| 30-48              | 681      | -115.584  | 2-07     |              |           | 0-30480            | 06/28/74 | 12                                | 14              | 8.5               | 6.2                  |          | 6.2 | 5.5                             | 49                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 1-1  | 0-32 |
| 30-48              | 681      | -115.584  | 2-07     |              |           | 0-30481            | 06/28/74 | 12                                | 15              | 8.0               | 6.0                  |          | 6.0 | 4.7                             | 50                   | 1-1       | 7-7        | 6-6           | 3-1            | 1-1        | 1-1             | 1-1         | 1-1            | 1-1             | 1-1    | 1-1     | 1-1       | 1-1          | 1-1       | 1-1                    | 1-1               | 1-1                | 1-1         | 1-1                   | 0-32 |      |
| 30-48              | 693      | -115.5733 | 2-07     |              |           |                    |          |                                   |                 |                   |                      |          |     |                                 |                      |           |            |               |                |            |                 |             |                |                 |        |         |           |              |           |                        |                   |                    |             |                       |      |      |



# LAST Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| ERDA SAMPLE NUMBER |                   |           |          |             |           |                    |              |      |                 |                   |          | LAST SAMPLE NUMBER AND FIELD DATA |     |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        | U CONCENTRATION |           |              |           |                        |                   |                    |  |
|--------------------|-------------------|-----------|----------|-------------|-----------|--------------------|--------------|------|-----------------|-------------------|----------|-----------------------------------|-----|---------------------------------|----------------------|-----------|------------|---------------|----------------|------------|-------------|-------------|----------------|-----------------|--------------------|--------|-----------------|-----------|--------------|-----------|------------------------|-------------------|--------------------|--|
| STATE              | LATITUDE          | LONGITUDE | ERDA LAB | SAMPLE TYPE | REPLICATE | LAST SAMPLE NUMBER | DATE         |      | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS              | pH  | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLOMETER (dpm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER         | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | SAMPLE TYPE<br>TYPE OF<br>WELL<br>DATE<br>11:00 AM<br>SCOURING |
|                    |                   |           |          |             |           |                    | TIME SAMPLED | HOUR |                 |                   |          |                                   |     |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |                 |           |              |           |                        |                   |                    |  |
| 30-08              | 165N-11E-03E      | 115-027E  | 2-07     |             |           | C-314152           | 8/29/74      | 14   | 10.5            | N                 |          |                                   | 5.4 | 50                              | 414                  | 6         | 4          | 3             | 4              | 3          | 2           | 1           | 1              | 1               | 1                  | 1      | 1               | 1         | 1            | 1         | 1                      | 1                 | 0.10               |  |
| 30-08              | 165N-11E-027E     | 115-027E  | 2-07     |             |           | C-314153           | 8/29/74      | 15   | 10.5            | N                 |          |                                   | 5.4 | 40                              | 121                  | 7         | 3          | 6             | 3              | 1          | 2           | 2           | 3              | 2               | 1                  | 1      | 1               | 1         | 1            | 1         | 1                      | 1                 | 0.10               |  |
| 30-08              | 165E-22-11E-016E  | 115-027E  | 2-07     |             |           | C-314154           | 8/29/74      | 18   | 10.5            | N                 |          |                                   | 5.7 | 60                              | 121                  | 4         | 3          | 4             | 3              | 1          | 1           | 1           | 1              | 1               | 1                  | 1      | 1               | 1         | 1            | 1         | 1                      | 1                 | 0.10               |  |
| 30-08              | 164E-30-11E-0477E | 115-027E  | 2-07     |             |           | C-314155           | 8/29/74      | 17   | 8               | N                 |          |                                   | 5.6 | 8                               | 62                   | 7         | 4          | 5             | 1              | 2          | 3           | 4           | 2              | 1               | 1                  | 1      | 1               | 1         | 1            | 1         | 1                      | 0.49              |                    |  |
| 30-08              | 164E-30-11E-0497E | 115-027E  | 2-07     |             |           | C-314157           | 8/29/74      | 19   | 7               | N                 |          |                                   | 5.6 | 7                               | 161                  | 7         | 3          | 6             | 5              | 4          | 1           | 2           | 3              | 4               | 2                  | 1      | 1               | 1         | 1            | 1         | 1                      | 0.10              |                    |  |
| 30-08              | 164E-30-11E-065E  | 115-027E  | 2-07     |             |           | C-314159           | 8/29/74      | 19   | 6               | N                 |          |                                   | 5.6 | 6                               | 151                  | 7         | 4          | 7             | 5              | 1          | 2           | 2           | 4              | 2               | 1                  | 1      | 1               | 1         | 1            | 1         | 1                      | 0.10              |                    |  |
| 30-08              | 162E-11E-70E      | 115-027E  | 2-07     |             |           | C-314160           | 8/29/74      | 19   | 7               | N                 |          |                                   | 5.6 | 4                               | 151                  | 7         | 4          | 4             | 4              | 1          | 2           | 2           | 3              | 2               | 1                  | 1      | 1               | 1         | 1            | 1         | 1                      | 0.22              |                    |  |
| 30-08              | 163E-11E-74E      | 115-027E  | 2-07     |             |           | C-314161           | 8/29/74      | 19   | 7               | N                 |          |                                   | 5.6 | 21                              | 151                  | 1         | 3          | 6             | 4              | 1          | 2           | 2           | 3              | 2               | 1                  | 1      | 1               | 1         | 1            | 1         | 1                      | 0.10              |                    |  |
| 30-08              | 163E-11E-74E      | 115-027E  | 2-07     |             |           | C-314163           | 8/29/74      | 21   | 10              | N                 |          |                                   | 6.4 | 15                              | 81                   | 7         | 3          | 6             | 3              | 1          | 2           | 2           | 4              | 3               | 2                  | 1      | 1               | 1         | 1            | 1         | 1                      | 0.10              |                    |  |
| 30-08              | 165E-11E-32E      | 115-027E  | 2-07     |             |           | C-314164           | 8/29/74      | 12   | 18              | N                 |          |                                   | 6.5 | 33                              | 181                  | 6         | 3          | 7             | 3              | 1          | 2           | 1           | 1              | 4               | 3                  | 2      | 1               | 1         | 1            | 1         | 1                      | 0.10              |                    |  |
| 30-08              | 165E-11E-35E      | 115-027E  | 2-07     |             |           | C-314165           | 8/29/74      | 12   | 13              | N                 |          |                                   | 5.7 | 36                              | 121                  | 7         | 4          | 3             | 1              | 2          | 1           | 1           | 1              | 4               | 4                  | 2      | 1               | 1         | 1            | 1         | 1                      | 0.10              |                    |  |
| 30-08              | 160E-11E-38E      | 115-027E  | 2-07     |             |           | C-314166           | 8/29/74      | 12   | 13              | N                 |          |                                   | 6.3 | 130                             | 161                  | 6         | 3          | 6             | 3              | 1          | 2           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.77              |                    |  |
| 30-08              | 160E-11E-38E      | 115-027E  | 2-07     |             |           | C-314167           | 8/29/74      | 13   | 14              | N                 |          |                                   | 6.3 | 30                              | 41                   | 6         | 5          | 1             | 4              | 1          | 2           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.85              |                    |  |
| 30-08              | 160E-11E-38E      | 115-027E  | 2-07     |             |           | C-314168           | 8/29/74      | 13   | 12              | N                 |          |                                   | 5.4 | 15                              | 1                    | 6         | 5          | 1             | 3              | 1          | 2           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 1.08              |                    |  |
| 30-08              | 160E-11E-38E      | 115-027E  | 2-07     |             |           | C-314169           | 8/29/74      | 13   | 12              | N                 |          |                                   | 5.4 | 70                              | 21                   | 1         | 3          | 1             | 4              | 1          | 2           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.71              |                    |  |
| 30-08              | 160E-11E-38E      | 115-027E  | 2-07     |             |           | C-314170           | 8/29/74      | 14   | 12              | N                 |          |                                   | 5.5 | 34                              | 1                    | 6         | 5          | 1             | 3              | 1          | 2           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.71              |                    |  |
| 30-08              | 160E-11E-38E      | 115-027E  | 2-07     |             |           | C-314171           | 8/29/74      | 13   | 12              | N                 |          |                                   | 5.5 | 70                              | 21                   | 1         | 3          | 1             | 4              | 1          | 2           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.71              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314172           | 8/29/74      | 15   | 13              | N                 |          |                                   | 6.1 | 145                             | 161                  | 6         | 3          | 1             | 4              | 1          | 2           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.49              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314173           | 8/29/74      | 15   | 13              | N                 |          |                                   | 6.1 | 145                             | 161                  | 6         | 3          | 1             | 4              | 1          | 2           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.49              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314174           | 8/29/74      | 15   | 12              | N                 |          |                                   | 6.1 | 380                             | 41                   | 1         | 7          | 3             | 7              | 1          | 2           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.65              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314175           | 8/29/74      | 15   | 12              | N                 |          |                                   | 6.5 | 400                             | 61                   | 1         | 7          | 3             | 4              | 1          | 2           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.91              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314176           | 8/29/74      | 15   | 12              | N                 |          |                                   | 6.5 | 400                             | 61                   | 1         | 7          | 3             | 4              | 1          | 2           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.91              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314177           | 8/29/74      | 16   | 13              | N                 |          |                                   | 6.9 | 300                             | 41                   | 1         | 7          | 3             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.91              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314178           | 8/29/74      | 16   | 13              | N                 |          |                                   | 6.9 | 300                             | 41                   | 1         | 7          | 3             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.91              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314179           | 8/29/74      | 16   | 13              | N                 |          |                                   | 6.9 | 290                             | 41                   | 1         | 7          | 3             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.91              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314180           | 8/29/74      | 16   | 13              | N                 |          |                                   | 6.9 | 250                             | 41                   | 1         | 7          | 3             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.91              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314181           | 8/29/74      | 16   | 13              | N                 |          |                                   | 6.5 | 200                             | 1                    | 1         | 1          | 4             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.91              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314182           | 8/29/74      | 16   | 14              | N                 |          |                                   | 6.4 | 390                             | 1                    | 1         | 1          | 4             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.91              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314183           | 8/29/74      | 16   | 14              | N                 |          |                                   | 6.4 | 390                             | 1                    | 1         | 1          | 4             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.91              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314184           | 8/29/74      | 16   | 16              | N                 |          |                                   | 6.5 | 490                             | 1                    | 1         | 1          | 4             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.91              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314185           | 8/29/74      | 16   | 19              | N                 |          |                                   | 6.3 | 240                             | 1                    | 1         | 1          | 4             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.91              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314186           | 8/29/74      | 16   | 13              | N                 |          |                                   | 6.2 | 510                             | 1                    | 1         | 1          | 4             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.91              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314187           | 8/29/74      | 16   | 13              | N                 |          |                                   | 6.4 | 70                              | 1                    | 1         | 1          | 4             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.91              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314188           | 8/29/74      | 16   | 11              | N                 |          |                                   | 5.7 | 117                             | 1                    | 1         | 1          | 4             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.58              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314189           | 8/29/74      | 16   | 11              | N                 |          |                                   | 5.7 | 117                             | 1                    | 1         | 1          | 4             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.58              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314190           | 8/29/74      | 16   | 12              | N                 |          |                                   | 5.6 | 44                              | 1                    | 1         | 1          | 4             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.72              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314191           | 8/29/74      | 16   | 12              | N                 |          |                                   | 5.7 | 53                              | 1                    | 1         | 1          | 4             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.72              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314192           | 8/29/74      | 16   | 12              | N                 |          |                                   | 5.7 | 39                              | 1                    | 1         | 1          | 4             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.72              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314193           | 8/29/74      | 16   | 10              | N                 |          |                                   | 5.4 | 30                              | 1                    | 1         | 1          | 4             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.72              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314194           | 8/29/74      | 16   | 9               | N                 |          |                                   | 5.4 | 30                              | 1                    | 1         | 1          | 4             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.72              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314195           | 8/29/74      | 16   | 10              | N                 |          |                                   | 5.4 | 39                              | 1                    | 1         | 1          | 4             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.72              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314196           | 8/29/74      | 16   | 9               | N                 |          |                                   | 5.4 | 30                              | 1                    | 1         | 1          | 4             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.72              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314197           | 8/29/74      | 16   | 10              | N                 |          |                                   | 5.4 | 30                              | 1                    | 1         | 1          | 4             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.72              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314198           | 8/29/74      | 16   | 10              | N                 |          |                                   | 5.4 | 120                             | 1                    | 1         | 1          | 4             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.72              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314199           | 8/29/74      | 16   | 8               | N                 |          |                                   | 5.7 | 4                               | 1                    | 1         | 1          | 4             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.72              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314200           | 8/29/74      | 16   | 4               | N                 |          |                                   | 6.4 | 35                              | 1                    | 1         | 1          | 4             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.72              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314201           | 8/29/74      | 16   | 4               | N                 |          |                                   | 6.4 | 240                             | 1                    | 1         | 1          | 4             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.72              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314202           | 8/29/74      | 16   | 4               | N                 |          |                                   | 6.4 | 240                             | 1                    | 1         | 1          | 4             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  | 4      | 2               | 1         | 1            | 1         | 1                      | 0.72              |                    |  |
| 30-08              | 162E-11E-32E      | 115-027E  | 2-07     |             |           | C-314203           | 8/29/74      | 16   | 3               | N                 |          |                                   | 6.9 | 30                              | 1                    | 1         | 1          | 4             | 1              | 2          | 1           | 1           | 1              | 1               | 4                  |        |                 |           |              |           |                        |                   |                    |  |

LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| STATE | LATITUDE     | LONGITUDE | EPA LAB | SAMPLE TYPE | REPLICATE | LASL SAMPLE NUMBER | TIME SAMPLED |       | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | LASL SAMPLE NUMBER AND FIELD DATA |           |            |               |                |            |             |                |                 |                    | U CONCENTRATIONS |         |           |              |           |                   |                             |                    |                        |                        |
|-------|--------------|-----------|---------|-------------|-----------|--------------------|--------------|-------|-----------------|-------------------|----------|----------------------|-----------------------------------|-----------|------------|---------------|----------------|------------|-------------|----------------|-----------------|--------------------|------------------|---------|-----------|--------------|-----------|-------------------|-----------------------------|--------------------|------------------------|------------------------|
|       |              |           |         |             |           |                    | DATE         | HOUR  |                 |                   |          |                      | SCINTILLOMETER (td ppm)           | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | WELLS            | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DEPTH (FEET) | WELL TRANSDIAMETER (INCHES) | WATER DEPTH (FEET) | U CONCENTRATIONS (ppm) | U CONCENTRATIONS (ppm) |
| 30-48 | 0217-11.6327 | -7-03     | 0082    | 2-07        |           | 0091               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0083    | 2-07        |           | 0092               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0084    | 2-07        |           | 0093               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0085    | 2-07        |           | 0094               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0086    | 2-07        |           | 0095               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0087    | 2-07        |           | 0096               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0088    | 2-07        |           | 0097               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0089    | 2-07        |           | 0098               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0090    | 2-07        |           | 0099               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0091    | 2-07        |           | 0100               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0092    | 2-07        |           | 0101               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0093    | 2-07        |           | 0102               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0094    | 2-07        |           | 0103               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0095    | 2-07        |           | 0104               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0096    | 2-07        |           | 0105               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0097    | 2-07        |           | 0106               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0098    | 2-07        |           | 0107               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0099    | 2-07        |           | 0108               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0100    | 2-07        |           | 0109               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0101    | 2-07        |           | 0110               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0102    | 2-07        |           | 0111               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0103    | 2-07        |           | 0112               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0104    | 2-07        |           | 0113               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0105    | 2-07        |           | 0114               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0106    | 2-07        |           | 0115               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0107    | 2-07        |           | 0116               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0108    | 2-07        |           | 0117               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0109    | 2-07        |           | 0118               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0110    | 2-07        |           | 0119               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0111    | 2-07        |           | 0120               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0112    | 2-07        |           | 0121               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0113    | 2-07        |           | 0122               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0114    | 2-07        |           | 0123               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0115    | 2-07        |           | 0124               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0116    | 2-07        |           | 0125               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0117    | 2-07        |           | 0126               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0118    | 2-07        |           | 0127               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0119    | 2-07        |           | 0128               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2            | 1-2             | 1-2                | 1-2              | 1-2     | 1-2       | 1-2          | 1-2       | 1-2               | 1-2                         | 0.0                | 0.0                    | 0.0                    |
| 30-48 | 0217-11.6327 | -7-03     | 0120    | 2-07        |           | 0129               | 06/27/74     | 11:51 | 5.1             |                   |          |                      | 55                                | 6         | 1-2        |               |                |            |             |                |                 |                    |                  |         |           |              |           |                   |                             |                    |                        |                        |



## LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| ERDA SAMPLE NUMBER |                    |                      |          |             |           | LASL SAMPLE NUMBER AND FIELD DATA |                                |      |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             | U CONCENTRATION |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
|--------------------|--------------------|----------------------|----------|-------------|-----------|-----------------------------------|--------------------------------|------|-----------------|-------------------|----------|---------------------------------|----|---------------------------------|----------------------|-----------|------------|---------------|------------|-------------|-------------|-----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|--|--|
| STATE              | LATITUDE           | LONGITUDE            | ERDA LAB | SAMPLE TYPE | REPLICATE | LASL SAMPLE NUMBER                | TIME SAMPLED                   |      | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIFIC CONDUCTANCE (µmhos/cm) | PH | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLOMETER (dpm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | WATER FLOW | WATER LEVEL | WATER COLOR | STREAM CHANNEL  | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | SAMPLE TYPES<br>1-10<br>WATER<br>11-20<br>SEDIMENT | SAMPLE TYPES<br>1-10<br>WATER<br>11-20<br>SEDIMENT |
|                    |                    |                      |          |             |           |                                   | DATE                           | HOUR |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0422-115.1227-2-07 | n-304329-06/23/74-21 | 8        | 10.6        | 5.5       | 72                                | A-1-7-2-7-4-3-2-2-1-3-3-3-3    | 0.24 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0627-115.2559-2-07 | n-304330-06/24/74-11 | 6        | 4.1         | 5.5       | 23                                | A-1-7-2-6-6-6-1-2-1-4-5-2-1    | 0.10 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0810-115.2927-2-07 | n-304331-06/24/74-12 | 9        | 5.2         | 6.1       | 80                                | 17-1-7-1-7-4-4-1-2-1-4-5-2-1   | 0.10 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0938-115.3122-2-07 | n-304332-06/24/74-12 | 7        | 5.3         | 5.9       | 40                                | A-1-7-2-7-6-4-1-2-1-6-5-2-1    | 0.96 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0938-115.3119-2-07 | n-304333-06/24/74-12 | 7        | 5.3         | 5.9       | 45                                | 11-1-7-2-7-3-3-1-2-1-5-5-2-1   | 0.10 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0925-115.3111-2-07 | n-304334-06/24/74-13 | 10       | 5.7         | 5.5       | 23                                | 14-1-7-1-7-3-3-1-2-1-5-5-3-1   | 0.10 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0516-115.3122-2-07 | n-304335-06/24/74-13 | 10       | 5.6         | 5.5       | 14                                | 12-1-7-1-7-6-4-2-2-1-5-5-3-1   | 0.10 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0405-115.3113-2-07 | n-304336-06/24/74-14 | 11       | 6.3         | 6.2       | 135                               | 1-1-7-2-7-4-4-1-2-1-4-5-2-1    | 0.63 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0369-115.3113-2-07 | n-304337-06/24/74-14 | 8        | 5.4         | 6.5       | 93                                | 5-1-7-3-7-3-6-1-2-1-6-5-3-1    | 0.21 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0911-115.3275-2-07 | n-304338-06/24/74-15 | 8        | 5.7         | 6.5       | 145                               | 14-1-7-3-7-3-3-1-2-1-5-5-2-1   | 0.35 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0705-115.3225-2-07 | n-304339-06/24/74-16 | 9        | 4.2         | 6.2       | 170                               | 11-1-7-2-7-4-4-1-2-1-4-5-2-1   | 0.26 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0701-115.3261-2-07 | n-304340-06/24/74-15 | 10       | 6.1         | 6.1       | 89                                | 4-1-7-3-7-3-3-1-2-1-5-5-2-1    | 0.10 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0786-115.3250-2-07 | n-304341-06/24/74-15 | 12       | 4.9         | 6.0       | 49                                | 12-1-7-3-7-3-3-1-2-1-4-5-2-1   | 0.10 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0783-115.3333-2-07 | n-304342-06/24/74-16 | 10       | 4.3         | 6.3       | 170                               | 10-1-7-2-7-3-3-1-2-1-4-5-2-1   | 0.41 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0422-115.2927-2-07 | n-304343-06/24/74-17 | 12       | 5.1         | 6.4       | 142                               | 12-1-7-2-7-4-4-1-2-1-4-6-2-1   | 0.83 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0427-115.3106-2-07 | n-304344-06/24/74-17 | 11       | 4.8         | 6.4       | 250                               | 10-1-6-2-6-3-3-1-2-1-4-5-3-1   | 0.38 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0322-115.3166-2-07 | n-304345-06/24/74-17 | 10       | 4.9         | 6.4       | 212                               | A-1-6-3-6-3-4-1-2-1-3-5-3-1    | 0.17 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0777-115.3025-2-07 | n-304346-06/24/74-18 | 9        | 4.9         | 6.3       | 162                               | 12-1-7-1-7-4-4-1-2-3-5-5-3-1   | 0.45 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0677-115.2950-2-07 | n-304347-06/25/74-9  | 6        | 4.2         | 6.4       | 157                               | 7-1-7-2-7-4-4-2-2-1-4-3-2-1    | 0.42 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0700-115.2966-2-07 | n-304348-06/25/74-9  | 7        | 4.1         | 6.7       | 359                               | 4-1-7-2-7-4-4-2-2-1-4-3-2-1    | 1.17 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0716-115.2956-2-07 | n-304349-06/25/74-9  | 6        | 6.4         | 6.4       | 399                               | 3-1-7-3-7-2-3-1-2-1-6-4-2-1    | 1.59 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0683-115.3334-2-07 | n-304350-06/25/74-10 | 7        | 3.9         | 6.4       | 219                               | 4-1-7-3-7-4-4-1-2-1-6-4-2-1    | 0.30 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0727-115.3322-2-07 | n-304351-06/25/74-10 | 7        | 3.8         | 6.2       | 87                                | 5-1-7-2-7-4-4-1-2-1-6-4-2-1    | 0.10 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0872-115.3300-2-07 | n-304352-06/25/74-10 | 7        | 4.1         | 5.9       | 35                                | 10-1-7-2-7-4-4-1-2-1-6-4-2-1   | 0.10 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0715-115.3261-2-07 | n-304353-06/25/74-11 | 7        | 3.1         | 6.5       | 283                               | 7-1-7-2-7-4-4-1-2-1-6-4-2-1    | 0.26 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0700-115.3172-2-07 | n-304354-06/25/74-12 | 7        | 4.1         | 6.4       | 372                               | 5-1-7-2-7-4-4-1-2-1-6-4-2-1    | 0.40 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0201-115.4155-2-07 | n-304355-06/25/74-13 | 8        | 3.4         | 6.4       | 261                               | 5-1-1-3-6-4-4-1-2-1-6-4-2-1    | 0.59 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0272-115.4150-2-07 | n-304356-06/25/74-13 | 9        | 6.0         | 6.5       | 240                               | 4-1-1-2-7-4-4-1-2-1-6-4-2-1    | 0.42 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0322-115.4227-2-07 | n-304357-06/25/74-13 | 7        | 4.0         | 6.4       | 252                               | 2-1-1-4-1-4-4-1-2-1-6-4-2-1    | 0.45 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0322-115.4355-2-07 | n-304358-06/25/74-13 | 8        | 4.1         | 6.4       | 145                               | 12-1-1-2-7-4-4-1-2-1-6-4-2-1   | 0.15 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0331-115.4077-2-07 | n-304359-06/25/74-14 | 8        | 5.9         | 6.5       | 227                               | 7-1-7-2-7-4-4-1-2-1-6-4-2-1    | 0.65 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0227-115.4119-2-07 | n-304360-06/25/74-15 | 11       | 6.4         | 5.8       | 49                                | 8-1-7-2-7-4-4-1-2-4-4-1-2-1    | 0.10 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0227-115.4119-2-07 | n-304361-06/25/74-15 | 11       | 9.4         | 6.8       | 280                               | 4-1-7-2-7-4-4-1-2-4-4-1-2-1    | 1.02 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0404-115.4355-2-07 | n-304362-06/25/74-16 | 10       | 9.4         | 6.8       | 277                               | 7-1-7-3-7-4-4-1-2-1-6-4-2-1    | 1.11 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0425-115.4445-2-07 | n-304363-06/25/74-17 | 12       | 8.0         | 6.4       | 217                               | 4-1-7-2-7-4-4-1-2-1-6-4-2-1    | 0.58 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0715-115.4336-2-07 | n-304364-06/25/74-17 | 10       | 3.5         | 5.0       | 39                                | 8-1-7-3-7-4-4-1-2-1-6-4-2-1    | 0.18 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0712-115.4027-2-07 | n-304365-06/25/74-16 | 10       | 5.0         | 5.7       | 32                                | 2-1-7-2-7-4-4-1-2-1-6-4-2-1    | 0.10 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0870-115.4144-2-07 | n-304366-06/25/74-15 | 15       | 8.2         | 5.2       | 12                                | 6-1-7-3-7-4-4-1-1-1-6-4-3-1    | 0.38 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0772-115.4131-2-07 | n-304367-06/25/74-20 | 12       | 6.0         | 5.9       | 39                                | 10-1-7-2-7-4-4-1-2-1-6-4-2-1   | 0.24 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0555-115.3455-2-07 | n-304368-06/27/74-11 | 8        | 6.2         | 5.7       | 20                                | 14-1-7-3-6-3-4-1-2-1-4-5-3-1   | 0.43 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0602-115.4311-2-07 | n-304369-06/27/74-11 | 8        | 5.7         | 5.6       | 23                                | 3-1-1-7-2-7-2-2-1-2-1-6-5-3-1  | 0.41 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0547-115.4361-2-07 | n-304370-06/27/74-12 | 8        | 5.4         | 5.7       | 27                                | 9-1-7-3-6-2-2-1-2-1-6-4-5-3-1  | 0.10 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0611-115.4512-2-07 | n-304371-06/27/74-12 | 11       | 5.9         | 5.2       | 13                                | 8-1-7-2-7-3-3-1-2-1-6-4-5-3-1  | 0.10 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0877-115.4111-2-07 | n-304372-06/27/74-12 | 9        | 5.4         | 5.2       | 12                                | 11-1-7-2-7-3-3-1-2-1-6-4-5-3-1 | 0.10 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0872-115.4119-2-07 | n-304373-06/27/74-12 | 9        | 4.5         | 5.5       | 13                                | 10-1-1-7-2-3-3-1-2-1-6-4-5-3-1 | 0.10 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0605-115.4343-2-07 | n-304374-06/27/74-13 | 10       | 5.8         | 5.4       | 16                                | 14-1-7-2-7-3-4-1-2-1-6-4-5-3-1 | 0.10 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0597-115.4197-2-07 | n-304375-06/27/74-13 | 10       | 7.5         | 5.5       | 14                                | 10-1-7-2-7-4-4-1-2-1-4-5-3-1   | 0.10 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0419-115.4001-2-07 | n-304376-06/27/74-14 | 10       | 6.9         | 6.2       | 87                                | 15-1-5-2-7-3-3-1-2-1-6-4-5-3-1 | 0.32 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0600-115.3949-2-07 | n-304377-06/27/74-14 | 10       | 7.8         | 5.9       | 51                                | 13-1-5-2-6-3-3-1-2-1-4-5-3-1   | 0.26 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0525-115.3819-2-07 | n-304378-06/27/74-15 | 10       | 4.9         | 6.4       | 245                               | 11-1-6-2-6-3-3-1-1-1-2-5-3-1   | 0.38 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-AR              | 0047-115.4086-2-07 | n-304379-06/27/74-15 | 12       | 8.2         | 5.9       | 38                                | 11-1-5-2-2-5-3-3-1-2-1-3-5-3-1 | 0.22 |                 |                   |          |                                 |    |                                 |                      |           |            |               |            |             |             |                 |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |



### LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| STATE | LATITUDE | LONGITUDE | ERDA LAB | SAMPLE TYPE | REPLICATE | LAST SAMPLE NUMBER | TIME SAMPLED |      | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | PH  | SPECIFIC CONDUCTANCE (UMHOS/CM) | SCINTILLATION METER (CPM) | LASL SAMPLE NUMBER AND FIELD DATA |            |                |                 |             |               |                 |                    |        |         | U CONCENTRATION |           |                        |                   |
|-------|----------|-----------|----------|-------------|-----------|--------------------|--------------|------|-----------------|-------------------|----------|----------------------|-----|---------------------------------|---------------------------|-----------------------------------|------------|----------------|-----------------|-------------|---------------|-----------------|--------------------|--------|---------|-----------------|-----------|------------------------|-------------------|
|       |          |           |          |             |           |                    | DATE         | HOUR |                 |                   |          |                      |     |                                 |                           | ROCK TYPE                         | ROCK COLOR | SEDI-MENT TYPE | SEDI-MENT COLOR | WATER LEVEL | WATER CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | OWNER/SHIP      | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) |
| 30-48 | 304811   | 974627    | 07       |             |           | 304808             | 06/18/74     | 15   | 12              | 9.1-C             |          |                      | 130 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 3.91                   |                   |
| 30-48 | 304811   | 974535    | 07       |             |           | 304809             | 06/18/74     | 15   | 16              | 9.2               |          |                      | 78  |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.10                   |                   |
| 30-48 | 304811   | 974120    | 07       |             |           | 304810             | 06/18/74     | 15   | 16              | 9.5               |          |                      | 99  |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.10                   |                   |
| 30-48 | 304811   | 974745    | 15       |             |           | 304811             | 06/16/74     | 15   | 10              | 17.5              |          |                      | 53  |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.67                   |                   |
| 30-48 | 304811   | 972220    | 07       |             |           | 304812             | 06/16/74     | 15   | 10              | 16.0-C            |          |                      | 57  |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.57                   |                   |
| 30-48 | 304811   | 974927    | 07       |             |           | 304813             | 06/18/74     | 16   | 11              | 8.0               |          |                      | 55  |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.57                   |                   |
| 30-48 | 304811   | 974745    | 15       |             |           | 304814             | 06/16/74     | 15   | 12              | 7.2               |          |                      | 100 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.44                   |                   |
| 30-48 | 304811   | 974745    | 17       |             |           | 304815             | 06/16/74     | 17   | 11              | 8.9               |          |                      | 55  |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.10                   |                   |
| 30-48 | 304811   | 974745    | 17       |             |           | 304816             | 06/16/74     | 17   | 10              | 8.9               |          |                      | 10  |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.10                   |                   |
| 30-48 | 304811   | 974745    | 17       |             |           | 304817             | 06/16/74     | 17   | 10              | 7.1-C             |          |                      | 30  |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.10                   |                   |
| 30-48 | 304811   | 974745    | 17       |             |           | 304818             | 06/16/74     | 17   | 9               | 8.9               |          |                      | 49  |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.37                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304819             | 06/16/74     | 18   | 9               | 9.5               |          |                      | 85  |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.37                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304820             | 06/16/74     | 18   | 9               | 9.5               |          |                      | 57  |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.27                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304821             | 06/16/74     | 18   | 23              | 9.0               |          |                      | 34  |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.27                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304822             | 06/16/74     | 18   | 23              | 9.0               |          |                      | 59  |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 2.76                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304823             | 06/16/74     | 18   | 14              | 8.0               |          |                      | 52  |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.10                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304824             | 06/16/74     | 18   | 17              | 7.2               |          |                      | 120 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.10                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304825             | 06/16/74     | 18   | 20              | 15.0-C            |          |                      | 63  |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.10                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304826             | 06/16/74     | 18   | 20              | 12.8-C            |          |                      | 110 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.10                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304827             | 06/16/74     | 18   | 20              | 12.8-C            |          |                      | 200 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.24                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304828             | 06/16/74     | 18   | 20              | 9.4-C             |          |                      | 64  |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 3.65                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304829             | 06/16/74     | 18   | 24              | 12.1-C            |          |                      | 365 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.72                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304830             | 06/16/74     | 18   | 25              | 8.0               |          |                      | 120 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.10                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304831             | 06/16/74     | 18   | 19              | 11.1              |          |                      | 52  |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.10                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304832             | 06/16/74     | 18   | 23              | 9.0               |          |                      | 142 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.10                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304833             | 06/16/74     | 18   | 23              | 9.0               |          |                      | 49  |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.10                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304834             | 06/16/74     | 18   | 24              | 11.0              |          |                      | 100 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.10                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304835             | 06/16/74     | 18   | 25              | 11.0              |          |                      | 341 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.47                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304836             | 06/16/74     | 18   | 21              | 8.0-C             |          |                      | 103 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.10                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304837             | 06/16/74     | 18   | 21              | 8.0-C             |          |                      | 318 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.27                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304838             | 06/16/74     | 18   | 24              | 8.9               |          |                      | 208 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.60                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304839             | 06/16/74     | 18   | 21              | 5.0               |          |                      | 176 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.27                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304840             | 06/16/74     | 18   | 26              | 9.2               |          |                      | 245 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 1.24                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304841             | 06/16/74     | 18   | 20              | 8.8               |          |                      | 370 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.10                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304842             | 06/16/74     | 18   | 23              | 10.8-C            |          |                      | 213 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.10                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304843             | 06/16/74     | 18   | 24              | 11.0              |          |                      | 370 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 1.51                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304844             | 06/16/74     | 18   | 25              | 11.5              |          |                      | 345 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.67                   |                   |
| 30-48 | 304811   | 974745    | 18       |             |           | 304845             | 06/16/74     | 18   | 23              | 11.2-C            |          |                      | 200 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.50                   |                   |
| 30-48 | 304811   | 974745    | 20       |             |           | 304846             | 06/16/74     | 20   | 15              | 12.0              |          |                      | 270 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.20                   |                   |
| 30-48 | 304811   | 974745    | 21       |             |           | 304847             | 06/16/74     | 21   | 17              | 8.9               |          |                      | 178 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.10                   |                   |
| 30-48 | 304811   | 974745    | 21       |             |           | 304848             | 06/16/74     | 21   | 17              | 8.9               |          |                      | 308 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.30                   |                   |
| 30-48 | 304811   | 974745    | 21       |             |           | 304849             | 06/16/74     | 21   | 15              | 8.4               |          |                      | 201 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 1.91                   |                   |
| 30-48 | 304811   | 974745    | 21       |             |           | 304850             | 06/16/74     | 21   | 17              | 8.8-C             |          |                      | 115 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.48                   |                   |
| 30-48 | 304811   | 974745    | 21       |             |           | 304851             | 06/16/74     | 21   | 22              | 8.8-C             |          |                      | 110 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.43                   |                   |
| 30-48 | 304811   | 974745    | 22       |             |           | 304852             | 06/16/74     | 22   | 20              | 7.5               |          |                      | 42  |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 0.17                   |                   |
| 30-48 | 304811   | 974745    | 22       |             |           | 304853             | 06/16/74     | 22   | 23              | 10.5              |          |                      | 313 |                                 | 1-1-3                     | 3-3                               | 2-1        | 3-4            | 3               |             |               |                 |                    |        |         |                 |           | 1.70                   |                   |
| 30-48 | 304811   | 974745    | 22       |             |           | 304854             | 06/16/74     | 22   | 14              | 6.9               |          |                      | 370 |                                 | 4-2-7                     | 1-3                               | 2-1        | 4-5            | 2               |             |               |                 |                    |        |         |                 |           | 0.20                   |                   |
| 30-48 | 304811   | 974745    | 22       |             |           | 304855             | 06/16/74     | 22   | 16              | 6.9               |          |                      | 370 |                                 | 4-2-7                     | 1-3                               | 2-1        | 4-5            | 2               |             |               |                 |                    |        |         |                 |           | 0.44                   |                   |
| 30-48 | 304811   | 974745    | 22       |             |           | 304856             | 06/16/74     | 22   | 16              | 8.7               |          |                      | 210 |                                 | 3-2-7                     | 3-3                               | 2-1        | 2-2            | 4-5             | 2           |               |                 |                    |        |         |                 |           | 1.93                   |                   |
| 30-48 | 304811   | 974745    | 22       |             |           | 304857             | 06/16/74     | 22   | 19              | 12.5              |          |                      | 270 |                                 | 4-2-7                     | 3-3                               | 2-1        | 2-2            | 4-5             | 2           |               |                 |                    |        |         |                 |           | 0.45                   |                   |
| 30-48 | 304811   | 974745    | 22       |             |           | 304858             | 06/16/74     | 22   | 18              | 12.5              |          |                      | 270 |                                 | 10-2-7                    | 3-3                               | 2-1        | 2-2            | 4-5             | 2           |               |                 |                    |        |         |                 |           | 6.16                   |                   |
| 30-48 | 304811   | 974745    | 22       |             |           | 304859             | 06/16/74     | 22   | 18              | 10.3              |          |                      | 275 |                                 | 10-2-7                    | 3-3                               | 2-1        | 2-2            | 4-5             | 2           |               |                 |                    |        |         |                 |           | 1.27                   |                   |
| 30-48 | 304811   | 974745    | 22       |             |           | 304860             | 06/16/74     | 22   | 18              | 10.3              |          |                      | 355 |                                 | 12-2-7                    | 3-3                               | 2-1        | 2-2            | 4-5             | 2           |               |                 |                    |        |         |                 |           | 1.34                   |                   |







### LASS Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| FEMA SAMPLE NUMBER |                   |           |          | LASS SAMPLE NUMBER AND FIELD DATA |           |                    |          |      |                 |                   |          |                      |     | U CONCENTRATIONS                |                         |           |            |               |                |            |             |               |                 |        |         |              |           |                        |                   |                    |             |                       |                       |
|--------------------|-------------------|-----------|----------|-----------------------------------|-----------|--------------------|----------|------|-----------------|-------------------|----------|----------------------|-----|---------------------------------|-------------------------|-----------|------------|---------------|----------------|------------|-------------|---------------|-----------------|--------|---------|--------------|-----------|------------------------|-------------------|--------------------|-------------|-----------------------|-----------------------|
| STATE              | LATITUDE          | LONGITUDE | FEMA LAB | SAMPLE TYPE                       | REPLICATE | LASS SAMPLE NUMBER | DATE     | HOUR | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | pH  | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLOMETER (td ppm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER CHANNEL | VEGETATION TYPE | RELIEF | WEATHER | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | SAMPLE TYPE | U CONCENTRATION (PPM) | U CONCENTRATION (PPM) |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002327             | 06/16/74 | 14   | 12.0            |                   |          |                      | 5.1 |                                 |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.91                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002328             | 06/16/74 | 14   | 12.0            |                   |          |                      | 5.1 |                                 |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.94                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002329             | 06/16/74 | 14   | 12.0            |                   |          |                      | 6.4 | 29.8                            |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.73                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002330             | 06/16/74 | 14   | 12.0            |                   |          |                      | 6.6 | 19.8                            |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 5.48                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002331             | 06/16/74 | 11   | 12.0            |                   |          |                      | 7.1 | 3.8                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 1.27                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002332             | 06/16/74 | 11   | 12.0            |                   |          |                      | 7.4 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 5.95                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002333             | 06/16/74 | 12   | 14.5            |                   |          |                      | 6.1 | 3.5                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.67                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002334             | 06/16/74 | 12   | 14.5            |                   |          |                      | 6.3 | 1.7                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.77                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002335             | 06/16/74 | 12   | 14.5            |                   |          |                      | 6.5 | 1.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.60                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002336             | 06/16/74 | 13   | 11.5            |                   |          |                      | 6.1 | 5.6                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.10                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002337             | 06/16/74 | 12   | 9.9             |                   |          |                      | 5.1 | 1.2                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.27                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002338             | 06/16/74 | 14   | 9.9             |                   |          |                      | 5.7 | 7.9                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.95                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002339             | 06/16/74 | 14   | 9.9             |                   |          |                      | 5.7 | 8.0                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002340             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002341             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002342             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002343             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002344             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002345             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002346             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002347             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002348             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002349             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002350             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002351             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002352             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002353             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002354             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002355             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002356             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002357             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002358             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002359             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002360             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002361             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002362             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002363             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002364             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002365             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002366             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002367             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002368             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002369             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002370             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002371             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002372             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002373             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002374             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           | 002375             | 06/16/74 | 15   | 10.2            |                   |          |                      | 5.6 | 3.4                             |                         | 1-1       | 1-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2           | 1-2             | 1-2    | 1-2     |              |           |                        |                   |                    |             | 0.96                  |                       |
| 30-68              | 4356-11.5049-2-01 |           |          |                                   |           |                    |          |      |                 |                   |          |                      |     |                                 |                         |           |            |               |                |            |             |               |                 |        |         |              |           |                        |                   |                    |             |                       |                       |

### LAST Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| STATE | LATITUDE | LONGITUDE | EPA LAB | SAMPLE TYPE | REPLICATE | LASL SAMPLE NUMBER | TIME SAMPLED |      | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | PH | SPECIFIC CONDUCTANCE (DPM/CM) | SCINTILLATIONER (AU/PM) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLUMN | STREAM CHANNEL TYPE | VEGETATION TYPE | RELIEF | OWNER/SHIP | WELL TYPE | WELL DENSITY (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | U CONCENTRATION |                |
|-------|----------|-----------|---------|-------------|-----------|--------------------|--------------|------|-----------------|-------------------|----------|----------------------|----|-------------------------------|-------------------------|-----------|------------|---------------|----------------|------------|-------------|--------------|---------------------|-----------------|--------|------------|-----------|-----------------------|-------------------|--------------------|-----------------|----------------|
|       |          |           |         |             |           |                    | DATE         | HOUR |                 |                   |          |                      |    |                               |                         |           |            |               |                |            |             |              |                     |                 |        |            |           |                       |                   |                    | IN 1.0 ml WATER | IN 10 ml WATER |
| 06    | 48.666   | 118.310   | 310     | 17          | -         | 30450              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 118.654   | 2-0     | -           | -         | 30451              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 118.736   | 2-0     | -           | -         | 30452              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 118.818   | 2-0     | -           | -         | 30453              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 118.900   | 2-0     | -           | -         | 30454              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 118.982   | 2-0     | -           | -         | 30455              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 119.064   | 2-0     | -           | -         | 30456              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 119.146   | 2-0     | -           | -         | 30457              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 119.228   | 2-0     | -           | -         | 30458              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 119.310   | 2-0     | -           | -         | 30459              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 119.392   | 2-0     | -           | -         | 30460              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 119.474   | 2-0     | -           | -         | 30461              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 119.556   | 2-0     | -           | -         | 30462              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 119.638   | 2-0     | -           | -         | 30463              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 119.720   | 2-0     | -           | -         | 30464              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 119.802   | 2-0     | -           | -         | 30465              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 119.884   | 2-0     | -           | -         | 30466              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 119.966   | 2-0     | -           | -         | 30467              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 120.048   | 2-0     | -           | -         | 30468              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 120.130   | 2-0     | -           | -         | 30469              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 120.212   | 2-0     | -           | -         | 30470              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 120.294   | 2-0     | -           | -         | 30471              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 120.376   | 2-0     | -           | -         | 30472              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 120.458   | 2-0     | -           | -         | 30473              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 120.540   | 2-0     | -           | -         | 30474              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 120.622   | 2-0     | -           | -         | 30475              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 120.704   | 2-0     | -           | -         | 30476              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 120.786   | 2-0     | -           | -         | 30477              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 120.868   | 2-0     | -           | -         | 30478              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 120.950   | 2-0     | -           | -         | 30479              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 121.032   | 2-0     | -           | -         | 30480              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 121.114   | 2-0     | -           | -         | 30481              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 121.196   | 2-0     | -           | -         | 30482              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 121.278   | 2-0     | -           | -         | 30483              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 121.360   | 2-0     | -           | -         | 30484              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 121.442   | 2-0     | -           | -         | 30485              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 121.524   | 2-0     | -           | -         | 30486              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 121.606   | 2-0     | -           | -         | 30487              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 121.688   | 2-0     | -           | -         | 30488              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 121.770   | 2-0     | -           | -         | 30489              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 121.852   | 2-0     | -           | -         | 30490              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 121.934   | 2-0     | -           | -         | 30491              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 122.016   | 2-0     | -           | -         | 30492              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 122.098   | 2-0     | -           | -         | 30493              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 122.180   | 2-0     | -           | -         | 30494              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 122.262   | 2-0     | -           | -         | 30495              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 122.344   | 2-0     | -           | -         | 30496              | 06/27/72     | 15   | 3.4             | C                 |          | 5.2                  | 17 | 27                            | 1-7                     | 3-4       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2          | 1-2                 | 1-2             | 1-2    | 1-2        | 1-2       | 1-2                   | 0.20              | 0.10               |                 |                |
| 06    | 49.0     | 122.426   | 2-0     | -           | -         | 30497              | 06/27/72     |      |                 |                   |          |                      |    |                               |                         |           |            |               |                |            |             |              |                     |                 |        |            |           |                       |                   |                    |                 |                |



### LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| STATE | GROSS SAMPLE NUMBER |           |          |             | REPLICATE | LASL SAMPLE NUMBER AND FIELD DATA |              |      |                 |                                 |          |                              |    |                                 |                          |           |            |               |                |           |             | U CONCENTRATION |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
|-------|---------------------|-----------|----------|-------------|-----------|-----------------------------------|--------------|------|-----------------|---------------------------------|----------|------------------------------|----|---------------------------------|--------------------------|-----------|------------|---------------|----------------|-----------|-------------|-----------------|----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|--------------------|-------------------|--------------------|---------------|---------------|
|       | LATITUDE            | LONGITUDE | ERDA LAD | SAMPLE TYPE |           | LASL SAMPLE NUMBER                | TIME SAMPLED |      | AIR TEMPERATURE | WATER TEMPERATURE               | COMMENTS | SPEC. CONDUCTANCE (µmhos/cm) | pH | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLOMETER (µRd/min) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WAT. FLOW | WATER LEVEL | WATER COLOR     | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL NAME (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | SAMPLE TYPE 3 | SAMPLE TYPE 5 |
|       |                     |           |          |             |           |                                   | DATE         | HOUR |                 |                                 |          |                              |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 1191-113.5242       | -2-07     | n-301947 | 18/74-15    | 5         | 6.2                               | 5.0          | 76   | 15              | 1-2-7-1-6-4-3-3-1-2-1-3-4-2-1-1 | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 1191-113.5242       | -2-07     | n-301947 | 18/74-15    | 6         | 5.2                               | 5.6          | 50   | 11              | 1-2-7-1-6-4-3-3-1-2-1-3-4-2-1-1 | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 1705-114.0111       | -2-10     | n-304451 | 18/74-12    | 22        | 18.2                              | 8.1          | 501  | 6               | 1-2-7-1-6-4-3-3-1-2-1-3-4-2-1-1 | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 7413-114.9737       | -2-07     | n-304452 | 18/74-13    | 23        | 18.6                              | 8.1          | 405  | 4               | 2-2-7-3-6-3-3-1-2-2-1-4-1-1-3   | 1.08     | 1.08                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 7402-114.0107       | -2-07     | n-304453 | 18/74-13    | 22        | 9.4                               | 8.2          | 500  | 7               | 4-4-5-6-2-3-1-2-2-1-4-1-1-1     | 0.92     | 0.92                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 7391-114.0105       | -2-07     | n-304454 | 18/74-13    | 22        | 12.2                              | 7.0          | 500  | 1               | 2-2-7-4-1-2-3-3-1-2-2-1-4-1-1   | 0.48     | 0.48                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 7335-114.0077       | -2-07     | n-304455 | 18/74-14    | 22        | 9.8                               | 8.2          | 399  | 4               | 4-4-5-6-3-3-1-2-2-1-4-1-1-1     | 0.64     | 0.64                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 7404-114.9737       | -2-07     | n-304456 | 18/74-14    | 22        | 13.2                              | 7.9          | 645  | 1               | 2-2-7-4-1-2-3-3-1-2-2-1-4-1-1   | 0.16     | 0.16                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 7241-114.9564       | -2-07     | n-304457 | 18/74-15    | 22        | 11.6                              | 8.0          | 510  | 2               | 2-2-7-4-6-3-3-1-2-2-1-3-1-1-1   | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 7739-114.9622       | -2-04     | n-304458 | 18/74-16    | 21        | 20.2                              | 7.7          | 700  | 2               | 2-2-7-4-5-2-2-5-6-4-4-1-3       | 0.43     | 0.43                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 6441-114.0147       | -2-07     | n-304459 | 18/74-15    | 18        | 7.4                               | 8.0          | 290  | 10              | 2-2-7-4-6-3-3-1-2-1-3-4-2-1-1   | 0.34     | 0.34                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 6733-114.0177       | -2-07     | n-304460 | 19/74-9     | 18        | 8.3                               | 7.8          | 315  | 9               | 2-2-7-4-6-3-3-1-2-1-3-4-2-1-1   | 0.42     | 0.42                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 6577-114.0147       | -2-07     | n-304461 | 19/74-10    | 18        | 6.3                               | 7.3          | 52   | 1               | 2-2-7-4-6-3-3-1-2-1-3-4-2-1-1   | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 6369-114.0173       | -2-07     | n-304462 | 19/74-10    | 18        | 7.8                               | 7.4          | 80   | 4               | 2-2-7-4-6-3-3-1-2-1-3-4-2-1-1   | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 7122-114.0134       | -2-07     | n-304463 | 19/74-10    | 18        | 9.2                               | 8.1          | 220  | 15              | 2-2-7-1-6-3-3-1-2-1-3-4-2-9     | 0.08     | 0.08                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 7347-114.0344       | -2-07     | n-304464 | 19/74-10    | 19        | 8.2                               | 7.7          | 62   | 3               | 2-2-7-3-6-3-3-1-2-1-4-4-2-3     | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 7446-114.0313       | -2-07     | n-304465 | 19/74-11    | 19        | 7.9                               | 8.1          | 200  | 0               | 2-2-7-3-6-3-3-1-2-1-4-4-2-3     | 0.26     | 0.26                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 7151-114.0025       | -2-07     | n-304466 | 19/74-11    | 19        | 8.0                               | 7.9          | 98   | 12              | 2-2-7-2-6-3-3-1-2-1-3-4-2-3     | 0.23     | 0.23                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 6733-114.1133       | -2-07     | n-304467 | 19/74-11    | 19        | 9.3                               | 7.8          | 264  | 17              | 2-2-7-3-6-3-3-1-2-1-4-4-2-1     | 0.21     | 0.21                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 6347-114.0244       | -2-07     | n-304468 | 19/74-12    | 19        | 8.8                               | 7.5          | 60   | 4               | 2-2-7-2-6-3-3-1-2-1-3-4-2-1     | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 6363-114.0355       | -2-07     | n-304469 | 19/74-12    | 19        | 7.6                               | 8.0          | 275  | 9               | 2-2-7-1-6-3-3-1-2-1-3-4-2-1     | 0.48     | 0.48                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 6500-114.1180       | -2-07     | n-304470 | 19/74-12    | 18        | 8.4                               | 6.2          | 98   | 10              | 2-2-7-1-7-4-3-1-2-1-3-5-2-1     | 0.16     | 0.16                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 6554-114.1361       | -2-07     | n-304471 | 19/74-12    | 16        | 9.2                               | 6.2          | 89   | 4               | 2-2-7-1-7-4-3-1-2-1-3-5-3-1     | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 6261-114.1319       | -2-07     | n-304472 | 19/74-13    | 16        | 7.8                               | 6.1          | 105  | 9               | 2-2-7-1-6-4-4-1-2-1-3-4-3-1     | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 6180-114.1364       | -2-07     | n-304473 | 19/74-14    | 18        | 9.2                               | 6.0          | 31   | 9               | 2-2-7-3-6-3-3-1-2-1-3-5-2-1     | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 5361-114.0063       | -2-07     | n-304474 | 19/74-14    | 20        | 10.4                              | 5.8          | 27   | 15              | 2-2-7-2-6-3-3-1-2-1-3-5-2-1     | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 5200-114.0341       | -2-07     | n-304475 | 19/74-14    | 20        | 9.2                               | 5.8          | 72   | 12              | 2-2-7-3-6-3-3-1-2-1-3-5-2-1     | 0.17     | 0.17                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 5763-114.6033       | -2-07     | n-304476 | 21/74-11    | 10        | 9.2                               | 7.2          | 182  | 9               | 1-2-7-3-6-3-3-1-2-1-4-4-4-8     | 0.17     | 0.17                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 5430-114.0747       | -2-07     | n-304477 | 21/74-11    | 11        | 9.4                               | 7.2          | 275  | 7               | 1-2-7-3-4-2-4-1-1-4-4-3-4-8     | 0.23     | 0.23                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 6122-114.0205       | -2-07     | n-304478 | 22/74-10    | 17        | 7.2                               | 6.4          | 218  | 10              | 2-2-7-2-6-3-3-1-2-1-3-4-3-3     | 0.55     | 0.55                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 6180-114.0244       | -2-07     | n-304479 | 22/74-10    | 17        | 5.8                               | 6.4          | 130  | 4               | 2-2-7-3-6-2-3-1-2-1-3-4-3-1     | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 5702-114.0761       | -2-07     | n-304480 | 22/74-10    | 16        | 8.2                               | 6.4          | 39   | 7               | 1-2-6-3-6-3-3-1-2-1-4-4-3-4     | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 5461-114.1041       | -2-07     | n-304481 | 22/74-11    | 16        | 7.8                               | 5.7          | 25   | 9               | 1-2-6-2-6-3-3-1-2-1-4-4-1-1     | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 5333-114.1354       | -2-07     | n-304482 | 22/74-11    | 16        | 8.7                               | 5.0          | 44   | 9               | 1-2-6-3-6-3-3-1-2-1-4-4-3-1     | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 5354-114.0234       | -2-07     | n-304483 | 22/74-11    | 16        | 9.6                               | 5.7          | 38   | 10              | 1-2-6-3-6-2-4-1-1-3-4-3-3-3     | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 5475-114.0244       | -2-07     | n-304484 | 22/74-11    | 16        | 10.4                              | 5.8          | 140  | 17              | 1-2-6-3-6-2-4-1-1-3-4-3-3-3     | 0.41     | 0.41                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 5613-114.0388       | -2-10     | n-304485 | 22/74-12    | 16        | 11.4                              | 6.0          | 115  | 3               | 3-1-6-4-6-3-4-2-2-1-3-4-4-3     | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 5527-114.0400       | -2-07     | n-304486 | 22/74-12    | 16        | 8.4                               | 5.8          | 33   | 15              | 1-2-7-1-7-4-3-1-2-2-3-5-3-1     | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 5261-114.0405       | -2-07     | n-304487 | 24/74-11    | 16        | 10.6                              | 5.8          | 49   | 4               | 2-1-7-2-6-3-3-1-2-1-4-4-2-1     | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 5116-114.0913       | -2-07     | n-304488 | 24/74-11    | 16        | 4.5                               | 5.8          | 30   | 4               | 1-2-7-2-6-3-3-1-2-1-3-5-2-1     | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 5333-114.0934       | -2-07     | n-304489 | 24/74-11    | 16        | 7.8                               | 5.7          | 40   | 4               | 1-2-7-2-6-4-3-1-2-1-4-4-2-9     | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 5355-114.1077       | -2-07     | n-304490 | 24/74-12    | 16        | 8.4                               | 5.9          | 45   | 11              | 1-2-7-3-6-3-3-1-2-2-3-5-2-3     | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 5384-114.1130       | -2-07     | n-304491 | 24/74-12    | 16        | 7.6                               | 6.2          | 60   | 4               | 1-2-7-3-6-3-3-1-2-2-4-5-2-3     | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 5402-114.2114       | -2-07     | n-304492 | 24/74-12    | 16        | 7.8                               | 6.2          | 65   | 4               | 1-2-6-3-6-3-3-1-2-2-3-4-2-3     | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 5027-114.1554       | -2-07     | n-304493 | 24/74-12    | 16        | 7.0                               | 6.1          | 69   | 2               | 2-1-7-3-4-1-1-1-2-2-3-5-2-1     | 0.24     | 0.24                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 5352-114.2111       | -2-07     | n-304494 | 24/74-12    | 16        | 8.2                               | 6.2          | 60   | 7               | 2-1-6-3-4-3-3-1-2-2-3-5-2-3     | 0.42     | 0.42                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 5333-114.2913       | -2-07     | n-304495 | 24/74-12    | 16        | 8.8                               | 6.4          | 89   | 15              | 1-2-7-1-7-3-3-1-2-2-3-4-2-3     | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 5361-114.2924       | -2-07     | n-304496 | 24/74-12    | 16        | 4.2                               | 5.8          | 18   | 9               | 1-2-6-1-6-4-3-1-2-2-3-4-2-1     | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 5344-114.1522       | -2-07     | n-304497 | 24/74-13    | 15        | 7.0                               | 5.8          | 10   | 10              | 1-2-7-1-7-4-3-1-2-1-4-4-2-1     | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 5180-114.1111       | -2-07     | n-304498 | 24/74-13    | 15        | 6.8                               | 5.8          | 20   | 12              | 1-2-7-1-6-4-3-1-2-1-4-4-2-1     | 0.20     | 0.20                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |
| 30-40 | 7355-114.3101       | -2-07     | n-304499 | 24/74-16    | 16        | 9.8                               | 5.7          | 19   | 18              | 1-2-7-1-7-4-3-1-2-1-4-4-3-1     | 0.10     | 0.10                         |    |                                 |                          |           |            |               |                |           |             |                 |                |                 |                    |        |         |           |              |           |                    |                   |                    |               |               |

**LAST Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing**

| ERDA SAMPLE NUMBER |          | LAST SAMPLE NUMBER AND FIELD DATA |          | U CONCENTRATION |           |                    |          |      |                 |                   |          |                     |     |                                 |                         |            |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |      |              |                        |      |      |
|--------------------|----------|-----------------------------------|----------|-----------------|-----------|--------------------|----------|------|-----------------|-------------------|----------|---------------------|-----|---------------------------------|-------------------------|------------|------------|---------------|----------------|------------|-------------|-------------|----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|------|--------------|------------------------|------|------|
| STATE              | LATITUDE | LONGITUDE                         | ERDA LAB | SAMPLE TYPE     | REPLICATE | LAST SAMPLE NUMBER | DATE     | HOUR | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIM MEASUREMENTS | pH  | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLOMETER (µd ppm) | ROCK COLOR | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | DATE | TIME SAMPLED | U CONCENTRATION (µg/g) |      |      |
| 30-69              | 7401-11  | 115-349-2                         | 0-1      |                 |           | 0-10300            | 06/24/74 | 10   | 15              | 9.4               |          | 5.6                 | 5.6 | 15                              | 12-1                    | 7-1        | 0-4        | 0-1           | 2-1            | 2-1        | 2-1         | 2-1         | 2-1            | 2-1             | 2-1                | 2-1    | 2-1     | 2-1       | 2-1          | 2-1       | 2-1                    | 2-1               | 2-1                | 2-1  | 0.10         |                        |      |      |
| 30-69              | 0111     | 115-493-2                         | 0-0      |                 |           | 0-10401            | 06/20/74 | 17   | 14              | 7.0               |          | 5.6                 | 5.6 | 12                              | 1-1                     | 3-6        | 4-3        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 0.10                   |      |      |
| 30-69              | 0355     | 115-233-2                         | 0-0      |                 |           | 0-10102            | 06/22/74 | 12   | 14              | 12.9              |          | 5.6                 | 5.6 | 25                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 0.10                   |      |      |
| 30-69              | 0522     | 115-124-2                         | 0-0      |                 |           | 0-10103            | 06/22/74 | 12   | 13              | 14.2              |          | 5.6                 | 5.6 | 15                              | 1-1                     | 4-6        | 3-1        | 1-3           | 1-3            | 1-3        | 1-3         | 1-3         | 1-3            | 1-3             | 1-3                | 1-3    | 1-3     | 1-3       | 1-3          | 1-3       | 1-3                    | 1-3               | 1-3                | 1-3  | 1-3          | 0.10                   |      |      |
| 30-69              | 0480     | 114-081-2                         | 0-0      |                 |           | 0-10300            | 06/22/74 | 18   | 9               | 5.2               |          | 5.0                 | 5.0 | 27                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 0.10                   |      |      |
| 30-69              | 0282     | 114-042-2                         | 0-0      |                 |           | 0-10405            | 06/22/74 | 20   | 9               | 7.2               |          | 5.0                 | 5.0 | 30                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 0.10                   |      |      |
| 30-69              | 0485     | 114-042-2                         | 0-0      |                 |           | 0-10406            | 06/23/74 | 20   | 10              | 4.4               |          | 5.0                 | 5.0 | 29                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 0.10                   |      |      |
| 30-69              | 0484     | 114-025-2                         | 0-1      |                 |           | 0-10407            | 06/23/74 | 10   | 10              | 4.4               |          | 5.0                 | 5.0 | 29                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 0.10                   |      |      |
| 30-69              | 0222     | 114-037-2                         | 0-1      |                 |           | 0-10408            | 06/23/74 | 10   | 10              | 4.4               |          | 5.0                 | 5.0 | 29                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 0.10 |      |
| 30-69              | 0244     | 114-723-2                         | 0-0      |                 |           | 0-10409            | 06/23/74 | 10   | 9               | 7.0               |          | 5.0                 | 5.0 | 15                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 0.10 |      |
| 30-69              | 0393     | 114-087-2                         | 0-0      |                 |           | 0-10410            | 06/24/74 | 19   | 11              | 5.2               |          | 5.1                 | 5.1 | 35                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 0.10 |      |
| 30-69              | 0493     | 114-051-2                         | 0-0      |                 |           | 0-10411            | 06/24/74 | 17   | 7               | 6.0               |          | 5.1                 | 5.1 | 20                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 0.10 |      |
| 30-69              | 0408     | 114-065-2                         | 0-0      |                 |           | 0-10412            | 06/24/74 | 17   | 4               | 6.2               |          | 5.1                 | 5.1 | 30                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 0.10 |      |
| 30-69              | 0281     | 114-061-2                         | 0-0      |                 |           | 0-10413            | 06/24/74 | 18   | 4               | 6.2               |          | 5.1                 | 5.1 | 22                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 0.10 |      |
| 30-69              | 0155     | 115-236-2                         | 0-1      |                 |           | 0-10414            | 06/25/74 | 14   | 12              | 6.1               |          | 5.4                 | 5.4 | 21                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 0.10 |      |
| 30-69              | 0155     | 115-174-2                         | 0-1      |                 |           | 0-10415            | 06/26/74 | 15   | 5               | 4.5               |          | 5.4                 | 5.4 | 19                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 0.10 |      |
| 30-69              | 0203     | 115-170-2                         | 0-1      |                 |           | 0-10416            | 06/26/74 | 15   | 5               | 4.5               |          | 5.4                 | 5.4 | 46                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 0.10 |      |
| 30-69              | 0411     | 115-152-2                         | 0-0      |                 |           | 0-10417            | 06/26/74 | 15   | 7               | 6.7               |          | 5.5                 | 5.5 | 23                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 0.10 |      |
| 30-69              | 0020     | 115-231-2                         | 0-0      |                 |           | 0-10418            | 06/26/74 | 15   | 15              | 7.0               |          | 5.5                 | 5.5 | 23                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 0.10 |      |
| 30-69              | 0753     | 115-340-2                         | 0-0      |                 |           | 0-10419            | 06/26/74 | 15   | 15              | 7.0               |          | 5.5                 | 5.5 | 23                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 0.10 |      |
| 30-69              | 0683     | 115-346-2                         | 0-0      |                 |           | 0-10420            | 06/26/74 | 15   | 15              | 7.0               |          | 5.5                 | 5.5 | 20                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 0.10 |      |
| 30-69              | 0204     | 115-244-2                         | 0-0      |                 |           | 0-10421            | 06/26/74 | 15   | 15              | 6.6               |          | 5.4                 | 5.4 | 18                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 0.10 |      |
| 30-69              | 0277     | 115-244-2                         | 0-0      |                 |           | 0-10422            | 06/26/74 | 15   | 15              | 6.6               |          | 5.4                 | 5.4 | 20                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 1-2  | 0.10 |
| 30-69              | 0260     | 115-237-2                         | 0-1      |                 |           | 0-10423            | 06/26/74 | 15   | 15              | 6.6               |          | 5.4                 | 5.4 | 18                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 1-2  | 0.10 |
| 30-69              | 0344     | 115-274-2                         | 0-1      |                 |           | 0-10424            | 06/26/74 | 15   | 12              | 6.4               |          | 5.4                 | 5.4 | 21                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 1-2  | 0.10 |
| 30-69              | 0344     | 115-274-2                         | 0-1      |                 |           | 0-10425            | 06/26/74 | 15   | 12              | 6.4               |          | 5.4                 | 5.4 | 21                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 1-2  | 0.10 |
| 30-69              | 0344     | 115-274-2                         | 0-1      |                 |           | 0-10426            | 06/26/74 | 15   | 12              | 6.4               |          | 5.4                 | 5.4 | 21                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 1-2  | 0.10 |
| 30-69              | 0344     | 115-274-2                         | 0-1      |                 |           | 0-10427            | 06/26/74 | 15   | 12              | 6.4               |          | 5.4                 | 5.4 | 21                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 1-2  | 0.10 |
| 30-69              | 0344     | 115-274-2                         | 0-1      |                 |           | 0-10428            | 06/26/74 | 15   | 12              | 6.4               |          | 5.4                 | 5.4 | 21                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 1-2  | 0.10 |
| 30-69              | 0344     | 115-274-2                         | 0-1      |                 |           | 0-10429            | 06/26/74 | 15   | 12              | 6.4               |          | 5.4                 | 5.4 | 21                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 1-2  | 0.10 |
| 30-69              | 0344     | 115-274-2                         | 0-1      |                 |           | 0-10430            | 06/26/74 | 15   | 12              | 6.4               |          | 5.4                 | 5.4 | 21                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 1-2  | 0.10 |
| 30-69              | 0344     | 115-274-2                         | 0-1      |                 |           | 0-10431            | 06/26/74 | 15   | 12              | 6.4               |          | 5.4                 | 5.4 | 21                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 1-2  | 0.10 |
| 30-69              | 0344     | 115-274-2                         | 0-1      |                 |           | 0-10432            | 06/26/74 | 15   | 12              | 6.4               |          | 5.4                 | 5.4 | 21                              | 1-1                     | 4-6        | 3-1        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2             | 1-2                | 1-2    | 1-2     | 1-2       | 1-2          | 1-2       | 1-2                    | 1-2               | 1-2                | 1-2  | 1-2          | 1-2                    | 1-2  | 0.10 |
| 30-69              | 0344     | 115-274-2                         | 0-1      |                 |           | 0-10433            | 06/26/74 | 15   | 12              | 6.4               |          | 5.4                 | 5.4 | 21                              | 1-1                     | 4-6        |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |      |              |                        |      |      |

APPENDIX C-II

WATER SAMPLES ANALYZED BY DELAYED-NEUTRON COUNTING

(PAGE C-36)

**LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing**

| ERDA SAMPLE NUMBER |               |           |          |             | LASL SAMPLE NUMBER AND FIELD DATA |                    |              |                                   |                 |                   |          |                      |    |                                 |                      |           |            |               |                |            |             | U CONCENTRATION |                |                 |                    |        |         |           |              |           |                        |                   |                    |                                |   |   |       |       |       |  |
|--------------------|---------------|-----------|----------|-------------|-----------------------------------|--------------------|--------------|-----------------------------------|-----------------|-------------------|----------|----------------------|----|---------------------------------|----------------------|-----------|------------|---------------|----------------|------------|-------------|-----------------|----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|--------------------------------|---|---|-------|-------|-------|--|
| STATE              | LATITUDE      | LONGITUDE | ERDA LAB | SAMPLE TYPE | REPLICATE                         | LASL SAMPLE NUMBER | TIME SAMPLED |                                   | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | PH | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLOMETER (cpm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR     | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | SAMPLE TYPE<br>10 µg<br>100 µg | SAMPLE TYPE<br>7,000 µg<br>Sediment<br>100 µg |   |       |       |       |  |
|                    |               |           |          |             |                                   |                    | DATE         | HOUR                              |                 |                   |          |                      |    |                                 |                      |           |            |               |                |            |             |                 |                |                 |                    |        |         |           |              |           |                        |                   |                    |                                |   |   |       |       |       |  |
| 30-6A              | 1703-114.6538 | 2-06      | n-301161 | 2A/21/7A-10 | 12-11.5                           | 6.4                | 5000         | 4-1-1-4-4-3-2-3-2-2-1-1-7-        | 0               | 0                 | 0        | 0                    | 0  | 0                               | 0                    | 0         | 0          | 0             | 0              | 0          | 0           | 0               | 0              | 0               | 0                  | 0      | 0       | 0         | 0            | 0         | 0                      | 0                 | 0                  | 0                              | 173.60  |   |       |       |       |  |
| 30-6A              | 1738-114.6539 | 2-06      | n-301162 | 2A/21/7A-11 | 2-11.5                            | 7.2                | 625          | 4-1-1-4-7-3-1-1-4-3-1-1-3-        | 0               | 0                 | 0        | 0                    | 0  | 0                               | 0                    | 0         | 0          | 0             | 0              | 0          | 0           | 0               | 0              | 0               | 0                  | 0      | 0       | 0         | 0            | 0         | 0                      | 0                 | 0                  | 0                              | 0   | 0 | 31.40 |       |       |  |
| 30-6A              | 1705-114.6550 | 2-07      | n-301163 | 2A/21/7A-17 | 2-11.5                            | 6.8                | 270          | 4-1-1-4-6-3-2-1-1-4-3-2-1-1-3-    | 0               | 0                 | 0        | 0                    | 0  | 0                               | 0                    | 0         | 0          | 0             | 0              | 0          | 0           | 0               | 0              | 0               | 0                  | 0      | 0       | 0         | 0            | 0         | 0                      | 0                 | 0                  | 0                              | 0   | 0 | 19.80 |       |       |  |
| 30-6A              | 1316-114.6172 | 2-06      | n-301761 | 2A/20/7A-15 | 12-14.5                           | 6.0                | 505          | 17-1-1-2-2-2-3-1-2-1-3-3-2-1-1-   | 0               | 0                 | 0        | 0                    | 0  | 0                               | 0                    | 0         | 0          | 0             | 0              | 0          | 0           | 0               | 0              | 0               | 0                  | 0      | 0       | 0         | 0            | 0         | 0                      | 0                 | 0                  | 0                              | 0   | 0 | 0     | 25.20 |       |  |
| 30-6A              | 1908-114.6225 | 2-06      | n-301778 | 2A/11/7A-8  | 2-9.5                             | 6.4                | 440          | 7-1-1-4-6-1-3-1-2-4-3-3-3-3-3-    | 0               | 0                 | 0        | 0                    | 0  | 0                               | 0                    | 0         | 0          | 0             | 0              | 0          | 0           | 0               | 0              | 0               | 0                  | 0      | 0       | 0         | 0            | 0         | 0                      | 0                 | 0                  | 0                              | 0   | 0 | 19.10 |       |       |  |
| 30-6A              | 0630-114.6150 | 2-04      | n-301906 | 2A/20/7A-12 | 4-11.0                            | 7.8                | 505          | 17-1-1-9-6-7-1-3-4-1-4-4-1-3-1-   | 0               | 0                 | 0        | 0                    | 0  | 0                               | 0                    | 0         | 0          | 0             | 0              | 0          | 0           | 0               | 0              | 0               | 0                  | 0      | 0       | 0         | 0            | 0         | 0                      | 0                 | 0                  | 0                              | 0   | 0 | 0     | 23.50 |       |  |
| 30-6A              | 1511-114.7278 | 2-07      | n-301704 | 2A/12/7A-12 | 14-9.8                            | 7.0                | 258          | 16-1-1-1-4-6-2-2-1-3-1-2-3-2-1-3- | 0               | 0                 | 0        | 0                    | 0  | 0                               | 0                    | 0         | 0          | 0             | 0              | 0          | 0           | 0               | 0              | 0               | 0                  | 0      | 0       | 0         | 0            | 0         | 0                      | 0                 | 0                  | 0                              | 0   | 0 | 0     | 12.90 |       |  |
| 30-6A              | 2752-114.6903 | 2-07      | n-301727 | 2A/14/7A-10 | 22-13.2                           | 6.0                | 475          | 1-1-1-3-6-0-2-1-2-3-2-2-2-3-      | 0               | 0                 | 0        | 0                    | 0  | 0                               | 0                    | 0         | 0          | 0             | 0              | 0          | 0           | 0               | 0              | 0               | 0                  | 0      | 0       | 0         | 0            | 0         | 0                      | 0                 | 0                  | 0                              | 0   | 0 | 0     | 15.80 |       |  |
| 30-6A              | 2680-114.6361 | 2-07      | n-301724 | 2A/14/7A-16 | 14-10.0                           | 6.0                | 500          | 1-1-1-3-6-2-2-1-2-1-2-3-2-2-3-    | 0               | 0                 | 0        | 0                    | 0  | 0                               | 0                    | 0         | 0          | 0             | 0              | 0          | 0           | 0               | 0              | 0               | 0                  | 0      | 0       | 0         | 0            | 0         | 0                      | 0                 | 0                  | 0                              | 0   | 0 | 0     | 0     | 22.00 |  |

APPENDIX D

LISTINGS OF FIELD DATA AND URANIUM CONCENTRATIONS

FOR

SEDIMENT SAMPLES

SIEVED TO -100 MESH

FROM

LINCOLN AND FLATHEAD COUNTIES,

NORTHWEST MONTANA

SAMPLES ANALYZED BY DELAYED-NEUTRON COUNTING

(PAGES D-2 THROUGH D-35)

(See Appendix E for codes to listings)



## LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| STATE | LATITUDE           | LONGITUDE           | ERDA LAD | SAMPLE TYPE | REPLICATE | LASL SAMPLE NUMBER | LAST SAMPLE NUMBER | TIME SAMPLED |      | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | DM | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLATION (N DPM) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION DENSITY | RELIEF | WEATHER | OWNER/SHAD | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | U CONCENTRATION |                 |
|-------|--------------------|---------------------|----------|-------------|-----------|--------------------|--------------------|--------------|------|-----------------|-------------------|----------|----------------------|----|---------------------------------|-----------------------|-----------|------------|---------------|----------------|------------|-------------|-------------|----------------|--------------------|--------|---------|------------|--------------|-----------|------------------------|-------------------|--------------------|-----------------|-----------------|
|       |                    |                     |          |             |           |                    |                    | DATE         | HOUR |                 |                   |          |                      |    |                                 |                       |           |            |               |                |            |             |             |                |                    |        |         |            |              |           |                        |                   |                    | SAMPLE TYPE     | U CONCENTRATION |
| 30-48 | 1936-113.7588-2-12 | 0-303096-05/1974-12 | 0-303096 | 2-12        |           | 0-303096           | 0-303096           | 9-5-0        | 6.9  | 123             |                   |          |                      |    | 22-2-7-2                        | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 3.50              |                    |                 |                 |
| 30-48 | 1819-113.7125-2-12 | 0-303099-05/1974-12 | 0-303099 | 2-12        |           | 0-303099           | 0-303099           | 8-3-9-C      | 6.2  | 161             |                   |          |                      |    | 11-2-7-2                        | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 4.10              |                    |                 |                 |
| 30-48 | 1802-113.7080-2-12 | 0-303098-05/1974-12 | 0-303098 | 2-12        |           | 0-303098           | 0-303098           | 8-4-1-C      | 6.1  | 132             |                   |          |                      |    | 11-2-7-2                        | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 4.40              |                    |                 |                 |
| 30-48 | 1727-113.7375-2-13 | 0-303099-05/1974-13 | 0-303099 | 2-13        |           | 0-303099           | 0-303099           | 8-5-1-C      | 5.4  | 40              |                   |          |                      |    | 12-2-7-2                        | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 1.40              |                    |                 |                 |
| 30-48 | 1608-113.7352-2-13 | 0-303070-05/1974-13 | 0-303070 | 2-13        |           | 0-303070           | 0-303070           | 8-7-1        | 5.3  | 47              |                   |          |                      |    | 12-2-7-2                        | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 3.30              |                    |                 |                 |
| 30-48 | 1430-113.7088-2-12 | 0-303071-05/1974-15 | 0-303071 | 2-12        |           | 0-303071           | 0-303071           | 8-5-1        | 6.1  | 129             |                   |          |                      |    | 7-2-7-2                         | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 3.00              |                    |                 |                 |
| 30-48 | 1525-113.6750-2-12 | 0-303072-05/1974-15 | 0-303072 | 2-12        |           | 0-303072           | 0-303072           | 8-6-2        | 5.8  | 122             |                   |          |                      |    | 7-2-7-2                         | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 3.00              |                    |                 |                 |
| 30-48 | 1294-113.7050-2-12 | 0-303073-05/1974-15 | 0-303073 | 2-12        |           | 0-303073           | 0-303073           | 8-4-0        | 5.8  | 121             |                   |          |                      |    | 6-2-7-2                         | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 3.00              |                    |                 |                 |
| 30-48 | 1133-113.6919-2-12 | 0-303074-05/1974-15 | 0-303074 | 2-12        |           | 0-303074           | 0-303074           | 8-7-8        | 6.6  | 91              |                   |          |                      |    | 13-2-7-2                        | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 2.70              |                    |                 |                 |
| 30-48 | 1047-113.6836-2-12 | 0-303075-05/1974-16 | 0-303075 | 2-12        |           | 0-303075           | 0-303075           | 8-6-3        | 6.2  | 172             |                   |          |                      |    | 12-2-7-2                        | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 3.70              |                    |                 |                 |
| 30-48 | 4819-113.8877-2-12 | 0-303076-05/1974-9  | 0-303076 | 2-12        |           | 0-303076           | 0-303076           | 8-4-0        | 6.4  | 226             |                   |          |                      |    | 12-2-7-2                        | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 3.10              |                    |                 |                 |
| 30-48 | 4530-113.8269-2-12 | 0-303077-05/1974-10 | 0-303077 | 2-12        |           | 0-303077           | 0-303077           | 8-4-5        | 6.5  | 113             |                   |          |                      |    | 5-2-7-2                         | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 3.00              |                    |                 |                 |
| 30-48 | 4480-113.8188-2-12 | 0-303078-05/1974-11 | 0-303078 | 2-12        |           | 0-303078           | 0-303078           | 8-4-2        | 6.5  | 173             |                   |          |                      |    | 5-1-7-4-1                       | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 3.00              |                    |                 |                 |
| 30-48 | 4677-113.8177-2-12 | 0-303079-05/1974-11 | 0-303079 | 2-12        |           | 0-303079           | 0-303079           | 8-4-2        | 6.4  | 119             |                   |          |                      |    | 12-2-7-2                        | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 3.70              |                    |                 |                 |
| 30-48 | 4950-113.7952-2-12 | 0-303080-05/1974-12 | 0-303080 | 2-12        |           | 0-303080           | 0-303080           | 8-4-0        | 6.4  | 110             |                   |          |                      |    | 2-2-7-2                         | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 3.00              |                    |                 |                 |
| 30-48 | 4155-113.7577-2-12 | 0-303081-05/1974-12 | 0-303081 | 2-12        |           | 0-303081           | 0-303081           | 8-4-1        | 6.2  | 102             |                   |          |                      |    | 2-2-5-2                         | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 4.10              |                    |                 |                 |
| 30-48 | 4922-113.8063-2-12 | 0-303082-05/1974-16 | 0-303082 | 2-12        |           | 0-303082           | 0-303082           | 8-4-9        | 6.6  | 119             |                   |          |                      |    | 5-2-5-2                         | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 4.10              |                    |                 |                 |
| 30-48 | 4938-113.8633-2-12 | 0-303083-05/1974-16 | 0-303083 | 2-12        |           | 0-303083           | 0-303083           | 8-4-0        | 6.2  | 133             |                   |          |                      |    | 11-2-5-2                        | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 3.70              |                    |                 |                 |
| 30-48 | 3711-113.9916-2-12 | 0-303084-05/1974-16 | 0-303084 | 2-12        |           | 0-303084           | 0-303084           | 8-3-9-1      | 6.5  | 141             |                   |          |                      |    | 7-1-1-5-6-3                     | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 3.00              |                    |                 |                 |
| 30-48 | 3594-113.9266-2-12 | 0-303085-05/1974-16 | 0-303085 | 2-12        |           | 0-303085           | 0-303085           | 8-7-6-C      | 6.1  | 71              |                   |          |                      |    | 11-1-7-2                        | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 3.40              |                    |                 |                 |
| 30-48 | 3544-113.9091-2-12 | 0-303086-05/1974-20 | 0-303086 | 2-12        |           | 0-303086           | 0-303086           | 8-4-5-C      | 5.7  | 62              |                   |          |                      |    | 12-2-7-2                        | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 4.70              |                    |                 |                 |
| 30-48 | 3366-113.8971-2-12 | 0-303087-05/1974-16 | 0-303087 | 2-12        |           | 0-303087           | 0-303087           | 8-9-0        | 6.4  | 168             |                   |          |                      |    | 7-2-6-3                         | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 3.00              |                    |                 |                 |
| 30-48 | 3033-113.8944-2-12 | 0-303088-05/1974-17 | 0-303088 | 2-12        |           | 0-303088           | 0-303088           | 8-5-3-0      | 5.8  | 46              |                   |          |                      |    | 11-1-1-4-1-2                    | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 3.00              |                    |                 |                 |
| 30-48 | 2866-113.8850-2-12 | 0-303089-05/1974-18 | 0-303089 | 2-12        |           | 0-303089           | 0-303089           | 8-13-12      | 6.1  | 69              |                   |          |                      |    | 11-1-1-4-1-2                    | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 2.00              |                    |                 |                 |
| 30-48 | 3911-113.9533-2-12 | 0-303091-05/1974-9  | 0-303091 | 2-12        |           | 0-303091           | 0-303091           | 8-4-8        | 6.5  | 220             |                   |          |                      |    | 4-1-1-4-1-3                     | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 3.70              |                    |                 |                 |
| 30-48 | 3797-113.9261-2-12 | 0-303092-05/1974-10 | 0-303092 | 2-12        |           | 0-303092           | 0-303092           | 8-4-8        | 6.5  | 255             |                   |          |                      |    | 4-2-6-3                         | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 3.00              |                    |                 |                 |
| 30-48 | 3913-113.9111-2-12 | 0-303093-05/1974-10 | 0-303093 | 2-12        |           | 0-303093           | 0-303093           | 8-3-9        | 6.5  | 193             |                   |          |                      |    | 7-2-7-3                         | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 3.90              |                    |                 |                 |
| 30-48 | 3972-113.9133-2-12 | 0-303094-05/1974-10 | 0-303094 | 2-12        |           | 0-303094           | 0-303094           | 8-3-9        | 5.8  | 46              |                   |          |                      |    | 11-2-7-2                        | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 5.00              |                    |                 |                 |
| 30-48 | 4102-113.9252-2-12 | 0-303095-05/1974-10 | 0-303095 | 2-12        |           | 0-303095           | 0-303095           | 8-4-1        | 5.4  | 21              |                   |          |                      |    | 11-2-7-3                        | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 7.00              |                    |                 |                 |
| 30-48 | 4372-113.9368-2-12 | 0-303096-05/1974-11 | 0-303096 | 2-12        |           | 0-303096           | 0-303096           | 8-4-2        | 5.8  | 264             |                   |          |                      |    | 7-2-7-3                         | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 9.00              |                    |                 |                 |
| 30-48 | 4219-113.9350-2-12 | 0-303096-05/1974-11 | 0-303096 | 2-12        |           | 0-303096           | 0-303096           | 8-4-8        | 5.6  | 42              |                   |          |                      |    | 4-2-7-3                         | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 6.00              |                    |                 |                 |
| 30-48 | 3802-113.8936-2-12 | 0-303097-05/1974-12 | 0-303097 | 2-12        |           | 0-303097           | 0-303097           | 8-4-0        | 5.4  | 33              |                   |          |                      |    | 11-2-6-3                        | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 6.00              |                    |                 |                 |
| 30-48 | 3713-113.8900-2-12 | 0-303098-05/1974-12 | 0-303098 | 2-12        |           | 0-303098           | 0-303098           | 8-4-2        | 5.8  | 79              |                   |          |                      |    | 10-2-6-3                        | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 4.40              |                    |                 |                 |
| 30-48 | 3711-113.8934-2-12 | 0-303099-05/1974-13 | 0-303099 | 2-12        |           | 0-303099           | 0-303099           | 8-4-7        | 5.0  | 100             |                   |          |                      |    | 14-2-4-3                        | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 5.00              |                    |                 |                 |
| 30-48 | 3014-113.8127-2-12 | 0-303100-05/1974-15 | 0-303100 | 2-12        |           | 0-303100           | 0-303100           | 8-5-4        | 6.3  | 95              |                   |          |                      |    | 10-2-7-3                        | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 4.70              |                    |                 |                 |
| 30-48 | 3022-113.8130-2-12 | 0-303101-05/1974-15 | 0-303101 | 2-12        |           | 0-303101           | 0-303101           | 8-4-8        | 5.9  | 98              |                   |          |                      |    | 16-2-7-3                        | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 4.20              |                    |                 |                 |
| 30-48 | 3005-113.7984-2-12 | 0-303102-05/1974-16 | 0-303102 | 2-12        |           | 0-303102           | 0-303102           | 8-5-8        | 6.0  | 177             |                   |          |                      |    | 14-2-7-3                        | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 4.20              |                    |                 |                 |
| 30-48 | 3011-113.7936-2-12 | 0-303103-05/1974-16 | 0-303103 | 2-12        |           | 0-303103           | 0-303103           | 8-5-8        | 6.1  | 165             |                   |          |                      |    | 12-2-7-3                        | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 3.00              |                    |                 |                 |
| 30-48 | 2900-113.7866-2-12 | 0-303104-05/1974-15 | 0-303104 | 2-12        |           | 0-303104           | 0-303104           | 8-6-2        | 6.3  | 132             |                   |          |                      |    | 12-2-7-2                        | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 3.00              |                    |                 |                 |
| 30-48 | 2650-113.8044-2-12 | 0-303105-05/1974-15 | 0-303105 | 2-12        |           | 0-303105           | 0-303105           | 8-7-1        | 5.9  | 166             |                   |          |                      |    | 7-2-7-2                         | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 3.10              |                    |                 |                 |
| 30-48 | 2555-113.7952-2-12 | 0-303106-05/1974-16 | 0-303106 | 2-12        |           | 0-303106           | 0-303106           | 8-6-9        | 6.2  | 85              |                   |          |                      |    | 7-2-7-2                         | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 5.00              |                    |                 |                 |
| 30-48 | 3650-113.8500-2-12 | 0-303107-05/1974-17 | 0-303107 | 2-12        |           | 0-303107           | 0-303107           | 8-9-1        | 5.7  | 20              |                   |          |                      |    | 8-2-7-3                         | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 8.20              |                    |                 |                 |
| 30-48 | 3658-113.8505-2-12 | 0-303108-05/1974-17 | 0-303108 | 2-12        |           | 0-303108           | 0-303108           | 8-5-9        | 5.7  | 59              |                   |          |                      |    | 11-2-7-3                        | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 6.00              |                    |                 |                 |
| 30-48 | 3498-113.8255-2-12 | 0-303109-05/1974-17 | 0-303109 | 2-12        |           | 0-303109           | 0-303109           | 8-6-3-C      | 5.4  | 40              |                   |          |                      |    | 15-2-7-2                        | 7-6-0-1-2             | 1-5-6-2   | -1         |               |                |            |             |             |                |                    |        |         |            |              |           |                        | 4.90              |                    |                 |                 |
| 30-48 | 4266-113.9292-2-12 | 0-303110-05/1974-18 | 0-303110 | 2-12        |           | 0-303110           |                    |              |      |                 |                   |          |                      |    |                                 |                       |           |            |               |                |            |             |             |                |                    |        |         |            |              |           |                        |                   |                    |                 |                 |





# LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| ERDA SAMPLE NUMBER |          |           | TIME SAMPLED |             |           |                    |           | LASL SAMPLE NUMBER AND FIELD DATA |                 |                   |          |                      |     |                                 |                     |           |            | CONCENTRATION |            |             |              |               |       |           |            |             |             |               |      |
|--------------------|----------|-----------|--------------|-------------|-----------|--------------------|-----------|-----------------------------------|-----------------|-------------------|----------|----------------------|-----|---------------------------------|---------------------|-----------|------------|---------------|------------|-------------|--------------|---------------|-------|-----------|------------|-------------|-------------|---------------|------|
| STATE              | LATITUDE | LONGITUDE | ERDA LAB     | SAMPLE TYPE | REPLICATE | LASL SAMPLE NUMBER | DATE      | HOUR                              | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | pH  | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLATOR (µdpm) | ROCK TYPE | ROCK COLOR | SECTION       | WATER FLOW | WATER LEVEL | STRAIN MARKS | FEATHER MARKS | DEPTH | WELL TYPE | WELL DEPTH | WATER DEPTH | SAMPLE TYPE | CONCENTRATION |      |
| 30-48              | 7402-114 | 2747-2-12 |              |             |           | 0-301168-05        | 19774-11  | 11                                | 5.2             |                   |          |                      | 6.4 | 172                             |                     | 9-2       | 7-2        | 6-3           | 1-2        | 6-3         | 1-2          | 6-3           | 1-2   | 6-3       | 1-2        | 6-3         | 1-2         | 6-3           | 6.4  |
| 30-48              | 7402-114 | 3233-2-12 |              |             |           | 0-301168-05        | 19774-13  | 17                                | 4.6             |                   |          |                      | 6.4 | 72                              |                     | 9-2       | 7-2        | 6-3           | 1-2        | 6-3         | 1-2          | 6-3           | 1-2   | 6-3       | 1-2        | 6-3         | 1-2         | 6-3           | 6.2  |
| 30-48              | 7377-114 | 3352-2-12 |              |             |           | 0-301170-05        | 19774-13  | 11                                | 4.6             |                   |          |                      | 5.0 | 23                              |                     | 1-2       | 6-1        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 6.5  |
| 30-48              | 7613-114 | 2777-2-12 |              |             |           | 0-301171-05        | 19774-14  | 15                                | 5.2             |                   |          |                      | 6.5 | 72                              |                     | 0-6       | 2-2        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 6.0  |
| 30-48              | 7408-114 | 2980-2-12 |              |             |           | 0-301172-05        | 19774-14  | 16                                | 5.2             |                   |          |                      | 6.4 | 72                              |                     | 4-6       | 2-2        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 7.4  |
| 30-48              | 7683-114 | 3455-2-12 |              |             |           | 0-301173-05        | 19774-15  | 16                                | 4.2             |                   |          |                      | 6.9 | 172                             |                     | 1-2       | 5-1        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 4.1  |
| 30-48              | 7536-114 | 4733-2-12 |              |             |           | 0-301174-05        | 19774-15  | 11                                | 6.2             |                   |          |                      | 6.4 | 140                             |                     | 7-2       | 6-1        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 3.7  |
| 30-48              | 7433-114 | 4986-2-12 |              |             |           | 0-301175-05        | 19774-17  | 15                                | 5.0             |                   |          |                      | 6.9 | 155                             |                     | 7-2       | 6-1        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 3.6  |
| 30-48              | 7616-114 | 4644-2-12 |              |             |           | 0-301176-05        | 19774-17  | 15                                | 5.8             |                   |          |                      | 6.4 | 155                             |                     | 7-2       | 6-1        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 4.3  |
| 30-48              | 7661-114 | 3369-2-12 |              |             |           | 0-301177-05        | 19774-18  | 17                                | 5.8             |                   |          |                      | 6.4 | 144                             |                     | 4-3       | 7-2        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 4.7  |
| 30-48              | 7655-114 | 3869-2-12 |              |             |           | 0-301178-05        | 19774-18  | 17                                | 5.4             |                   |          |                      | 6.4 | 90                              |                     | 10-3      | 7-2        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 4.7  |
| 30-48              | 7077-114 | 4700-2-12 |              |             |           | 0-301179-05        | 19774-19  | 9                                 | 2.8             |                   |          |                      | 6.0 | 222                             |                     | 7-2       | 7-2        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 2.0  |
| 30-48              | 7038-114 | 4819-2-12 |              |             |           | 0-301181-05        | 19774-20  | 9                                 | 2.8             |                   |          |                      | 7.0 | 185                             |                     | 4-3       | 7-2        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 6.3  |
| 30-48              | 7050-114 | 4963-2-12 |              |             |           | 0-301182-05        | 19774-20  | 9                                 | 2.8             |                   |          |                      | 7.0 | 185                             |                     | 4-3       | 7-2        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 5.2  |
| 30-48              | 6008-114 | 2757-2-12 |              |             |           | 0-301183-05        | 20074-13  | 7                                 | 4.8             |                   |          |                      | 6.5 | 52                              |                     | 9-4       | 2-2        | 6-3           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 6.0  |
| 30-48              | 5802-114 | 3116-2-12 |              |             |           | 0-301184-05        | 20074-14  | 7                                 | 3.2             |                   |          |                      | 6.3 | 52                              |                     | 9-2       | 7-2        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 6.1  |
| 30-48              | 5741-114 | 3163-2-12 |              |             |           | 0-301185-05        | 20074-14  | 5                                 | 2.8             |                   |          |                      | 6.3 | 108                             |                     | 12-2      | 7-2        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 4.6  |
| 30-48              | 5452-114 | 3011-2-12 |              |             |           | 0-301186-05        | 20074-14  | 5                                 | 2.8             |                   |          |                      | 6.3 | 132                             |                     | 7-2       | 7-2        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 4.7  |
| 30-48              | 5450-114 | 3016-2-12 |              |             |           | 0-301187-05        | 20074-15  | 5                                 | 3.0             |                   |          |                      | 6.4 | 125                             |                     | 4-2       | 6-2        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 3.5  |
| 30-48              | 5458-114 | 2758-2-12 |              |             |           | 0-301188-05        | 20074-15  | 4                                 | 2.1             |                   |          |                      | 6.2 | 85                              |                     | 1-2       | 2-6        | 1-6           | 4-3        | 1-2         | 6-4          | 1-2           | 6-4   | 1-2       | 6-4        | 1-2         | 6-4         | 5.0           |      |
| 30-48              | 5536-114 | 2755-2-12 |              |             |           | 0-301189-05        | 20074-15  | 4                                 | 2.0             |                   |          |                      | 6.4 | 45                              |                     | 12-2      | 6-2        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 4.5  |
| 30-48              | 5580-114 | 3222-2-12 |              |             |           | 0-301190-05        | 20074-17  | 7                                 | 2.9             |                   |          |                      | 6.4 | 152                             |                     | 10-2      | 7-1        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 3.7  |
| 30-48              | 5544-114 | 3263-2-12 |              |             |           | 0-301191-05        | 20074-17  | 7                                 | 2.4             |                   |          |                      | 6.4 | 155                             |                     | 12-2      | 7-1        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 3.7  |
| 30-48              | 5550-114 | 3266-2-12 |              |             |           | 0-301192-05        | 20074-17  | 5                                 | 2.4             |                   |          |                      | 6.4 | 155                             |                     | 1-2       | 6-1        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 3.4  |
| 30-48              | 5397-114 | 3530-2-12 |              |             |           | 0-301193-05        | 20074-18  | 4                                 | 2.5             |                   |          |                      | 6.4 | 142                             |                     | 4-2       | 6-2        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 3.4  |
| 30-48              | 5302-114 | 3325-2-12 |              |             |           | 0-301194-05        | 20074-18  | 4                                 | 2.1             |                   |          |                      | 6.7 | 158                             |                     | 9-2       | 6-1        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 4.2  |
| 30-48              | 5563-114 | 3461-2-12 |              |             |           | 0-301195-05        | 20074-19  | 4                                 | 2.2             |                   |          |                      | 6.4 | 122                             |                     | 1-2       | 2-6        | 2-6           | 4-3        | 1-2         | 6-4          | 1-2           | 6-4   | 1-2       | 6-4        | 1-2         | 6-4         | 4.0           |      |
| 30-48              | 6166-114 | 2922-2-12 |              |             |           | 0-301196-05        | 21774-11  | 14                                | 4.2             |                   |          |                      | 6.3 | 40                              |                     | 7-2       | 6-2        | 5-3           | 6-4        | 1-2         | 6-4          | 1-2           | 6-4   | 1-2       | 6-4        | 1-2         | 6-4         | 7.1           |      |
| 30-48              | 6163-114 | 2927-2-12 |              |             |           | 0-301197-05        | 21774-11  | 14                                | 3.8             |                   |          |                      | 6.5 | 45                              |                     | 9-2       | 6-1        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 17.0 |
| 30-48              | 5786-114 | 3316-2-12 |              |             |           | 0-301198-05        | 21774-12  | 11                                | 3.8             |                   |          |                      | 7.0 | 200                             |                     | 4-2       | 6-2        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 2.8  |
| 30-48              | 5400-114 | 3308-2-12 |              |             |           | 0-301199-05        | 21774-12  | 12                                | 4.0             |                   |          |                      | 6.4 | 115                             |                     | 6-2       | 6-2        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 4.5  |
| 30-48              | 5455-114 | 3938-2-12 |              |             |           | 0-301200-05        | 21774-13  | 8                                 | 3.9             |                   |          |                      | 6.4 | 120                             |                     | 9-2       | 5-1        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 4.0  |
| 30-48              | 5433-114 | 3469-2-12 |              |             |           | 0-301201-05        | 21774-13  | 13                                | 5.0             |                   |          |                      | 6.4 | 148                             |                     | 0-2       | 6-1        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 3.7  |
| 30-48              | 6022-114 | 3841-2-12 |              |             |           | 0-301202-05        | 21774-13  | 14                                | 5.0             |                   |          |                      | 6.7 | 75                              |                     | 0-2       | 6-1        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 7.1  |
| 30-48              | 6168-114 | 4111-2-12 |              |             |           | 0-301203-05        | 21774-14  | 9                                 | 2.9             |                   |          |                      | 6.3 | 49                              |                     | 12-2      | 7-1        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 4.2  |
| 30-48              | 6188-114 | 4155-2-12 |              |             |           | 0-301204-05        | 21774-14  | 15                                | 5.0             |                   |          |                      | 6.3 | 42                              |                     | 1-2       | 2-7        | 1-6           | 4-3        | 1-2         | 6-4          | 1-2           | 6-4   | 1-2       | 6-4        | 1-2         | 6-4         | 4.2           |      |
| 30-48              | 6086-114 | 3322-2-12 |              |             |           | 0-301205-05        | 21774-14  | 14                                | 4.0             |                   |          |                      | 6.4 | 115                             |                     | 1-2       | 6-1        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 4.5  |
| 30-48              | 6080-114 | 3519-2-12 |              |             |           | 0-301206-05        | 21774-14  | 14                                | 3.2             |                   |          |                      | 6.4 | 115                             |                     | 1-2       | 6-1        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 4.6  |
| 30-48              | 7733-114 | 3019-2-12 |              |             |           | 0-301207-05        | 21774-16  | 17                                | 7.0             |                   |          |                      | 6.0 | 105                             |                     | 1-4       | 3-4        | 6-3           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 6.7  |
| 30-48              | 7888-114 | 3327-2-12 |              |             |           | 0-301208-05        | 21774-17  | 11                                | 6.2             |                   |          |                      | 6.4 | 82                              |                     | 1-4       | 3-4        | 6-3           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 4.1  |
| 30-48              | 6055-114 | 3425-2-12 |              |             |           | 0-301211-05        | 21774-17  | 14                                | 5.4             |                   |          |                      | 6.4 | 85                              |                     | 1-2       | 6-2        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 3.0  |
| 30-48              | 6161-114 | 3422-2-12 |              |             |           | 0-301211-05        | 21774-18  | 17                                | 5.4             |                   |          |                      | 6.4 | 85                              |                     | 4-2       | 7-2        | 7-4           | 6-4        | 1-2         | 6-4          | 1-2           | 6-4   | 1-2       | 6-4        | 1-2         | 6-4         | 3.0           |      |
| 30-48              | 6194-114 | 3316-2-12 |              |             |           | 0-301212-05        | 21774-18  | 14                                | 7.4             |                   |          |                      | 6.7 | 66                              |                     | 4-6       | 3-6        | 6-3           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 4.5  |
| 30-48              | 6001-114 | 3350-2-12 |              |             |           | 0-301213-05        | 21774-19  | 15                                | 6.1             |                   |          |                      | 6.7 | 65                              |                     | 1-2       | 6-2        | 6-4           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 5.5  |
| 30-48              | 5028-114 | 4394-2-12 |              |             |           | 0-301214-05        | 224774-11 | 14                                | 6.1             |                   |          |                      | 6.4 | 170                             |                     | 4-2       | 7-1        | 6-3           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 4.5  |
| 30-48              | 5104-114 | 4383-2-12 |              |             |           | 0-301215-05        | 224774-11 | 14                                | 6.1             |                   |          |                      | 6.4 | 170                             |                     | 7-2       | 7-1        | 6-3           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 4.5  |
| 30-48              | 5311-114 | 4522-2-12 |              |             |           | 0-301216-05        | 224774-12 | 15                                | 6.8             |                   |          |                      | 6.4 | 85                              |                     | 4-2       | 7-3        | 6-3           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 3.5  |
| 30-48              | 5388-114 | 4555-2-12 |              |             |           | 0-301217-05        | 224774-12 | 15                                | 7.5             |                   |          |                      | 6.4 | 115                             |                     | 7-2       | 7-3        | 6-3           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 3.5  |
| 30-48              | 5488-114 | 4577-2-12 |              |             |           | 0-301218-05        | 224774-12 | 15                                | 5.0             |                   |          |                      | 6.4 | 42                              |                     | 4-2       | 7-3        | 6-3           | 1-2        | 6-4         | 1-2          | 6-4           | 1-2   | 6-4       | 1-2        | 6-4         | 1-2         | 6-4           | 6.4  |
| 30-48              | 5738-114 | 4864-2-12 |              |             |           | 0-301219-05        | 224774-13 | 12                                | 5.9             |                   |          |                      | 5.8 | 18                              |                     | 12-2      | 7-3        | 6-4           |            |             |              |               |       |           |            |             |             |               |      |

LAST Uranium Hydrogeotomical and Stream Sediment Reconnaissance Data Listing

| STATE | LATITUDE | LONGITUDE | EPA LAD | SAMPLE TYPE | REPLICATE | LAST SAMPLE NUMBER | TIME SAMPLED |      | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL REQUIREMENTS | CM  | SPECIFIC CONDUCTANCE (umhos/cm) | SCINTILLATOR (ud/cm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | WATER FLOW | WATER LEVEL | WATER COLOR | STEADY CHANNEL | VEGETATION DENSITY | RELIEF | WEATHER | OBSERVATIONS | CONTAMINANTS | WELL TYPE | WELL DEPTH (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | U CONCENTRATION |        |      |      |
|-------|----------|-----------|---------|-------------|-----------|--------------------|--------------|------|-----------------|-------------------|----------|----------------------|-----|---------------------------------|----------------------|-----------|------------|---------------|------------|-------------|-------------|----------------|--------------------|--------|---------|--------------|--------------|-----------|---------------------|-------------------|--------------------|-----------------|--------|------|------|
|       |          |           |         |             |           |                    | DATE         | HOUR |                 |                   |          |                      |     |                                 |                      |           |            |               |            |             |             |                |                    |        |         |              |              |           |                     |                   |                    | IN mg/l         | IN ppm |      |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30321            | 05/18/74     | 15   | 4.2             |                   |          | 6.9                  | 110 |                                 | 6-2                  | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 3.40   | 3.40 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30322            | 05/18/74     | 15   | 7.0             |                   |          | 7.0                  | 200 |                                 | 7-6                  | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 4.50   | 4.50 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30323            | 05/18/74     | 15   | 7.0             |                   |          | 6.0                  | 190 |                                 | 4-4                  | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 4.70   | 4.70 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30324            | 05/18/74     | 15   | 7.5             |                   |          | 7.5                  | 210 |                                 | 7-4                  | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 3.60   | 3.60 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30325            | 05/18/74     | 9    | 7.5             |                   |          | 6.4                  | 195 |                                 | 1-1                  | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 3.60   | 3.60 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30326            | 05/18/74     | 9    | 7.5             |                   |          | 6.8                  | 450 |                                 | 1-1                  | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 3.70   | 3.70 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30327            | 05/18/74     | 11   | 12.0            |                   |          | 6.8                  | 350 |                                 | 1-1                  | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 2.00   | 2.00 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30328            | 05/18/74     | 11   | 15.0            |                   |          | 6.8                  | 200 |                                 | 1-1                  | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 2.90   | 2.90 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30329            | 05/18/74     | 12   | 6.0             |                   |          | 6.1                  | 210 |                                 | 1-1                  | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 2.00   | 2.00 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30330            | 05/18/74     | 13   | 18.0            |                   |          | 6.1                  | 200 |                                 | 1-1                  | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 2.90   | 2.90 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30331            | 05/18/74     | 13   | 8.0             |                   |          | 6.1                  | 151 |                                 | 1-1                  | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 2.00   | 2.00 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30332            | 05/18/74     | 15   | 6.0             |                   |          | 6.1                  | 4   |                                 | 1-1                  | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 2.00   | 2.00 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30333            | 05/18/74     | 15   | 4               |                   |          | 6.1                  | 4   |                                 | 1-1                  | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 2.00   | 2.00 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30334            | 05/18/74     | 15   | 4               |                   |          | 6.1                  | 4   |                                 | 1-1                  | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 2.00   | 2.00 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30335            | 05/18/74     | 16   | 10.1            |                   |          | 6.2                  | 161 |                                 | 2-1                  | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 3.10   | 3.10 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30336            | 05/18/74     | 18   | 7.4             |                   |          | 6.2                  | 190 |                                 | 9-1                  | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 4.70   | 4.70 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30337            | 05/18/74     | 18   | 3.0             |                   |          | 5.8                  | 65  |                                 | 6-2                  | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 3.50   | 3.50 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30338            | 05/18/74     | 19   | 6.3             |                   |          | 6.2                  | 150 |                                 | 18-2                 | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 3.40   | 3.40 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30339            | 05/18/74     | 20   | 7.4             |                   |          | 6.5                  | 190 |                                 | 18-2                 | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 3.80   | 3.80 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30340            | 05/18/74     | 20   | 3.2             |                   |          | 5.7                  | 171 |                                 | 1-2                  | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 2.60   | 2.60 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30341            | 05/18/74     | 21   | 5.4             |                   |          | 6.0                  | 200 |                                 | 9-3                  | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 2.60   | 2.60 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30342            | 05/18/74     | 21   | 7.0             |                   |          | 6.6                  | 280 |                                 | 10-3                 | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 3.00   | 3.00 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30343            | 05/19/74     | 11   | 5.0             |                   |          | 6.6                  | 240 |                                 | 14-2                 | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 3.30   | 3.30 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30344            | 05/19/74     | 11   | 12.6            |                   |          | 6.6                  | 270 |                                 | 14-2                 | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 3.10   | 3.10 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30345            | 05/19/74     | 11   | 6.6             |                   |          | 6.6                  | 270 |                                 | 14-2                 | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 2.80   | 2.80 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30346            | 05/19/74     | 13   | 7.0             |                   |          | 5.6                  | 150 |                                 | 19-3                 | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 3.20   | 3.20 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30347            | 05/19/74     | 15   | 21.1            |                   |          | 6.4                  | 180 |                                 | 9-2                  | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 3.40   | 3.40 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30348            | 05/19/74     | 17   | 19.2            |                   |          | 6.4                  | 460 |                                 | 15-1                 | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 2.60   | 2.60 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30349            | 05/19/74     | 18   | 13.6            |                   |          | 6.8                  | 250 |                                 | 10-1                 | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 2.40   | 2.40 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30350            | 05/19/74     | 18   | 15.4            |                   |          | 6.8                  | 350 |                                 | 12-1                 | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 2.40   | 2.40 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30351            | 05/19/74     | 18   | 17.1            |                   |          | 6.8                  | 255 |                                 | 9-1                  | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 2.40   | 2.40 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30352            | 05/19/74     | 19   | 7.0             |                   |          | 6.1                  | 160 |                                 | 17-2                 | 8-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 4.00   | 4.00 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30353            | 05/20/74     | 4    | 5.2             |                   |          | 6.2                  | 175 |                                 | 21-2                 | 8-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 5.40   | 5.40 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30354            | 05/20/74     | 12   | 6.5             |                   |          | 6.2                  | 175 |                                 | 21-2                 | 8-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 3.20   | 3.20 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30355            | 05/20/74     | 13   | 6.5             |                   |          | 6.1                  | 245 |                                 | 10-2                 | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 2.60   | 2.60 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30356            | 05/20/74     | 14   | 5.4             |                   |          | 6.0                  | 191 |                                 | 10-1                 | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 3.40   | 3.40 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30357            | 05/20/74     | 14   | 4.0             |                   |          | 6.0                  | 191 |                                 | 10-1                 | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 2.80   | 2.80 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30358            | 05/20/74     | 15   | 7.0             |                   |          | 6.1                  | 180 |                                 | 14-1                 | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 3.10   | 3.10 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30359            | 05/20/74     | 15   | 4.5             |                   |          | 6.0                  | 111 |                                 | 12-1                 | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 3.10   | 3.10 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30360            | 05/20/74     | 16   | 4.0             |                   |          | 6.0                  | 200 |                                 | 11-1                 | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 3.50   | 3.50 |      |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30361            | 05/20/74     | 18   | 4.0             |                   |          | 6.0                  | 195 |                                 | 31-2                 | 3-6       | 6-6        | 2-2           | 2-2        | 2-2         | 2-2         | 2-2            | 2-2                | 2-2    | 2-2     | 2-2          | 2-2          | 2-2       | 2-2                 | 2-2               | 2-2                | 2-2             | 2-2    | 3.00 | 3.00 |
| 30-48 | 4639     | 114.474   | 12-12   |             |           | 0-30362            | 05/20/74     | 18   | 6.0             |                   |          | 6.2                  | 220 |                                 | 15-                  |           |            |               |            |             |             |                |                    |        |         |              |              |           |                     |                   |                    |                 |        |      |      |

# LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| STATE | LATITUDE | LONGITUDE | ERDA LAB | SAMPLE TYPE | REPLICATE | LAST SAMPLE NUMBER | TIME SAMPLED |      | AIR TEMPERATURE | WATER TEMPERATURE | SPECIAL MEASUREMENTS | COMMENTS | PH   | SPECIFIC CONDUCTANCE (microhm/cm) | SCINTILLOMETER (cpm) | ROCK TYPE | SEDIMENT COLOR | SEDIMENT TYPE | WATER FLOW | WATER LEVEL | WATER COLOR | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | U CONCENTRATION            |                               |
|-------|----------|-----------|----------|-------------|-----------|--------------------|--------------|------|-----------------|-------------------|----------------------|----------|------|-----------------------------------|----------------------|-----------|----------------|---------------|------------|-------------|-------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|----------------------------|-------------------------------|
|       |          |           |          |             |           |                    | DATE         | HOUR |                 |                   |                      |          |      |                                   |                      |           |                |               |            |             |             |                 |                    |        |         |           |              |           |                        |                   |                    | 11.20 mg/l UO <sub>2</sub> | mg/l UO <sub>2</sub> SEDIMENT |
| 304A  | 6346     | 114.5708  | P-11     |             |           | 0303275            | 05/24/74     | 10   | 16              | 4                 |                      | 6.1      | 470  |                                   | 14-1                 | 1-4       | 6              | 3             | 1-2        | 3           | 1-2         | 4               | 4                  | 2      |         |           |              |           |                        | 5.46              |                    |                            |                               |
| 304A  | 6241     | 114.6118  | P-12     |             |           | 0303276            | 05/24/74     | 16   | 13              | 4                 |                      | 6.3      | 2180 |                                   | 14-1                 | 1-3       | 6              | 3             | 1-2        | 1           | 4           | 4               | 2                  |        |         |           |              |           |                        | 3.60              |                    |                            |                               |
| 304A  | 6236     | 114.6122  | P-12     |             |           | 0303277            | 05/24/74     | 19   | 17              | 10                |                      | 6.1      | 170  |                                   | 14-2                 | 1-4       | 6              | 3             | 1-2        | 1           | 4           | 4               | 2                  |        |         |           |              |           |                        | 3.30              |                    |                            |                               |
| 304A  | 6095     | 114.5533  | P-15     |             |           | 0303278            | 05/24/74     | 15   |                 |                   |                      |          |      |                                   | 17-1                 | 1-4       | 6              | 1             | 2          | 1           | 4           | 3               | 2                  |        |         |           |              |           |                        | 2.70              |                    |                            |                               |
| 304A  | 6588     | 114.5397  | P-12     |             |           | 0303279            | 05/24/74     | 17   | 14              | 13                |                      | 6.5      | 340  |                                   | 7-1                  | 1-3       | 6              | 4             | 1          | 2           | 1           | 4               | 3                  | 2      |         |           |              |           |                        | 2.50              |                    |                            |                               |
| 304A  | 6585     | 114.5383  | P-12     |             |           | 0303280            | 05/24/74     | 17   | 15              | 15                |                      | 6.3      | 380  |                                   | 7-1                  | 1-3       | 6              | 3             | 1          | 2           | 1           | 4               | 4                  | 2      |         |           |              |           |                        | 2.70              |                    |                            |                               |
| 304A  | 6522     | 114.5377  | P-12     |             |           | 0303281            | 05/24/74     | 18   | 16              | 13                |                      | 6.2      | 350  |                                   | 9-1                  | 1-4       | 6              | 4             | 1          | 2           | 1           | 4               | 3                  | 2      |         |           |              |           |                        | 3.60              |                    |                            |                               |
| 304A  | 6250     | 114.5475  | P-12     |             |           | 0303282            | 05/24/74     | 18   | 10              | 6                 |                      | 6.1      | 300  |                                   | 12-1                 | 1-4       | 6              | 3             | 1          | 2           | 1           | 4               | 4                  | 2      |         |           |              |           |                        | 2.80              |                    |                            |                               |
| 304A  | 6263     | 114.5547  | P-12     |             |           | 0303283            | 05/24/74     | 19   | 13              | 11                |                      | 6.4      | 390  |                                   | 20-1                 | 1-5       | 8              | 3             | 1          | 2           | 1           | 4               | 4                  | 3      |         |           |              |           |                        | 1.60              |                    |                            |                               |
| 304A  | 6288     | 114.5513  | P-12     |             |           | 0303284            | 05/24/74     | 19   | 14              | 4                 |                      | 6.5      | 350  |                                   | 14-1                 | 1-4       | 6              | 4             | 1          | 2           | 1           | 4               | 4                  | 3      |         |           |              |           |                        | 1.60              |                    |                            |                               |
| 304A  | 6250     | 114.5219  | P-12     |             |           | 0303285            | 05/24/74     | 20   | 12              | 9                 |                      | 6.3      | 360  |                                   | 4-1                  | 1-4       | 6              | 4             | 1          | 2           | 1           | 4               | 3                  | 1      |         |           |              |           |                        | 2.40              |                    |                            |                               |
| 304A  | 6275     | 114.5638  | P-12     |             |           | 0303286            | 05/24/74     | 20   | 10              | 4                 |                      | 6.3      | 350  |                                   | 9-1                  | 1-4       | 1              | 4             | 1          | 2           | 1           | 4               | 4                  | 3      |         |           |              |           |                        | 1.20              |                    |                            |                               |
| 304A  | 6283     | 114.5088  | P-12     |             |           | 0303287            | 05/24/74     | 21   | 12              | 9                 |                      | 6.3      | 360  |                                   | 4-1                  | 1-4       | 1              | 4             | 1          | 2           | 1           | 4               | 4                  | 3      |         |           |              |           |                        | 3.00              |                    |                            |                               |
| 304A  | 6877     | 114.6861  | P-12     |             |           | 0303288            | 05/25/74     | 16   | 13              | 5                 |                      | 6.1      | 195  |                                   | 10-1                 | 1-6       | 1              | 4             | 1          | 2           | 1           | 4               | 4                  | 3      |         |           |              |           |                        | 3.00              |                    |                            |                               |
| 304A  | 6794     | 114.6969  | P-12     |             |           | 0303289            | 05/25/74     | 16   | 9               | 8                 |                      | 6.1      | 265  |                                   | 12-1                 | 1-5       | 6              | 3             | 1          | 2           | 1           | 4               | 3                  | 2      |         |           |              |           |                        | 2.20              |                    |                            |                               |
| 304A  | 6772     | 114.7155  | P-12     |             |           | 0303290            | 05/25/74     | 15   | 9               | 8                 |                      | 6.2      | 295  |                                   | 14-1                 | 1-4       | 7              | 4             | 1          | 2           | 1           | 4               | 3                  | 2      |         |           |              |           |                        | 2.50              |                    |                            |                               |
| 304A  | 6833     | 114.7233  | P-12     |             |           | 0303291            | 05/25/74     | 15   | 9               | 9                 |                      | 6.1      | 215  |                                   | 14-1                 | 1-4       | 5              | 3             | 1          | 2           | 1           | 4               | 3                  | 2      |         |           |              |           |                        | 2.70              |                    |                            |                               |
| 304A  | 6850     | 114.7313  | P-12     |             |           | 0303292            | 05/25/74     | 15   | 10              | 4                 |                      | 6.3      | 265  |                                   | 4-1                  | 1-4       | 6              | 3             | 1          | 2           | 1           | 4               | 4                  | 2      |         |           |              |           |                        | 4.00              |                    |                            |                               |
| 304A  | 6655     | 114.7413  | P-12     |             |           | 0303293            | 05/25/74     | 15   | 10              | 8                 |                      | 6.1      | 110  |                                   | 17-1                 | 1-6       | 6              | 4             | 1          | 2           | 1           | 4               | 3                  | 2      |         |           |              |           |                        | 3.20              |                    |                            |                               |
| 304A  | 6366     | 114.7413  | P-12     |             |           | 0303294            | 05/25/74     | 16   | 9               | 5                 |                      | 5.9      | 185  |                                   | 15-1                 | 1-3       | 6              | 4             | 1          | 2           | 1           | 4               | 4                  | 2      |         |           |              |           |                        | 2.70              |                    |                            |                               |
| 304A  | 6197     | 114.6552  | P-12     |             |           | 0303295            | 05/27/74     | 16   | 24              | 7                 |                      | 6.4      | 150  |                                   | 15-1                 | 1-4       | 6              | 3             | 1          | 2           | 1           | 4               | 4                  | 1      |         |           |              |           |                        | 3.30              |                    |                            |                               |
| 304A  | 6144     | 114.6527  | P-12     |             |           | 0303296            | 05/27/74     | 16   | 20              | 10                |                      | 6.2      | 180  |                                   | 15-1                 | 1-3       | 6              | 3             | 1          | 2           | 1           | 4               | 3                  | 1      |         |           |              |           |                        | 3.00              |                    |                            |                               |
| 304A  | 6230     | 114.6546  | P-12     |             |           | 0303297            | 05/27/74     | 18   | 21              | 8                 |                      | 6.1      | 190  |                                   | 0-1                  | 1-3       | 6              | 4             | 1          | 2           | 1           | 4               | 4                  | 1      |         |           |              |           |                        | 3.20              |                    |                            |                               |
| 304A  | 6827     | 114.7450  | P-12     |             |           | 0303298            | 05/27/74     | 15   | 23              | 8                 |                      | 6.4      | 140  |                                   | 15-1                 | 1-3       | 6              | 3             | 1          | 2           | 1           | 4               | 4                  | 2      |         |           |              |           |                        | 4.60              |                    |                            |                               |
| 304A  | 6844     | 114.7207  | P-12     |             |           | 0303299            | 05/27/74     | 15   | 23              | 8                 |                      | 5.9      | 80   |                                   | 7-1                  | 1-6       | 8              | 3             | 3          | 1           | 3           | 2               | 2                  |        |         |           |              |           |                        | 7.70              |                    |                            |                               |
| 304A  | 6823     | 114.7202  | P-12     |             |           | 0303300            | 05/27/74     | 16   | 17              | 10                |                      | 6.1      | 151  |                                   | 12-1                 | 1-3       | 6              | 2             | 4          | 1           | 1           | 3               | 2                  | 2      |         |           |              |           |                        | 3.60              |                    |                            |                               |
| 304A  | 6544     | 113.9397  | P-12     |             |           | 0303301            | 05/18/74     | 10   | 9               | 4                 |                      | 7.5      | 100  |                                   | 12-2                 | 1-3       | 6              | 4             | 1          | 2           | 1           | 5               | 4                  | 2      |         |           |              |           |                        | 3.20              |                    |                            |                               |
| 304A  | 6063     | 113.8838  | P-12     |             |           | 0303303            | 05/18/74     | 10   | 6               | 2                 |                      | 6.6      | 20   |                                   | 14-2                 | 1-3       | 6              | 4             | 1          | 2           | 1           | 4               | 3                  | 1      |         |           |              |           |                        | 4.70              |                    |                            |                               |
| 304A  | 6455     | 113.8463  | P-13     |             |           | 0303306            | 05/18/74     | 10   | 11              | 2                 |                      | 6.0      | 40   |                                   | 24-2                 | 1-5       | 6              | 2             | 3          | 1           | 1           | 4               | 3                  | 1      |         |           |              |           |                        | 4.70              |                    |                            |                               |
| 304A  | 6789     | 113.8133  | P-12     |             |           | 0303305            | 05/18/74     | 10   | 9               | 4                 |                      | 6.0      | 84   |                                   | 13-2                 | 1-4       | 7              | 4             | 1          | 1           | 1           | 4               | 3                  | 1      |         |           |              |           |                        | 3.40              |                    |                            |                               |
| 304A  | 6688     | 113.7952  | P-12     |             |           | 0303306            | 05/18/74     | 11   | 12              | 4                 |                      | 6.0      | 50   |                                   | 16-2                 | 1-3       | 6              | 2             | 3          | 1           | 1           | 1               | 4                  | 3      | 1       |           |              |           |                        | 7.70              |                    |                            |                               |
| 304A  | 6759     | 113.7884  | P-13     |             |           | 0303307            | 05/18/74     | 11   | 12              | 4                 |                      | 6.0      | 50   |                                   | 7-2                  | 1-3       | 6              | 2             | 3          | 1           | 1           | 1               | 4                  | 3      | 1       |           |              |           |                        | 4.30              |                    |                            |                               |
| 304A  | 6536     | 113.7813  | P-12     |             |           | 0303309            | 05/18/74     | 13   | 18              | 5                 |                      | 5.4      | 11   |                                   | 10-2                 | 1-3       | 6              | 4             | 1          | 1           | 1           | 4               | 2                  | 1      |         |           |              |           |                        | 5.90              |                    |                            |                               |
| 304A  | 7200     | 113.7554  | P-12     |             |           | 0303309            | 05/18/74     | 16   | 18              | 4                 |                      | 6.0      | 132  |                                   | 9-2                  | 1-4       | 6              | 3             | 1          | 2           | 1           | 4               | 2                  | 1      |         |           |              |           |                        | 3.50              |                    |                            |                               |
| 304A  | 7202     | 113.7558  | P-12     |             |           | 0303310            | 05/18/74     | 16   | 18              | 4                 |                      | 6.4      | 140  |                                   | 4-2                  | 1-3       | 6              | 4             | 1          | 2           | 1           | 4               | 2                  | 1      |         |           |              |           |                        | 3.00              |                    |                            |                               |
| 304A  | 7419     | 113.7768  | P-12     |             |           | 0303311            | 05/18/74     | 16   | 19              | 7                 |                      | 6.4      | 132  |                                   | 12-2                 | 1-3       | 6              | 4             | 1          | 1           | 1           | 4               | 4                  | 1      |         |           |              |           |                        | 3.60              |                    |                            |                               |
| 304A  | 6468     | 113.9994  | P-12     |             |           | 0303312            | 05/18/74     | 18   | 12              | 8                 |                      | 6.5      | 143  |                                   | 4-2                  | 1-4       | 6              | 4             | 1          | 1           | 1           | 4               | 4                  | 1      |         |           |              |           |                        | 3.00              |                    |                            |                               |
| 304A  | 6700     | 113.9984  | P-12     |             |           | 0303313            | 05/19/74     | 18   | 8               | 7                 |                      | 6.4      | 114  |                                   | 4-2                  | 1-4       | 6              | 4             | 1          | 2           | 1           | 4               | 2                  | 1      |         |           |              |           |                        | 4.30              |                    |                            |                               |
| 304A  | 6413     | 113.8750  | P-12     |             |           | 0303314            | 05/19/74     | 9    | 6               |                   |                      |          |      |                                   | 6-1                  | 1-3       | 7              | 1             | 1          | 1           | 1           | 4               | 3                  | 1      |         |           |              |           |                        | 5.30              |                    |                            |                               |
| 304A  | 6283     | 113.9011  | P-12     |             |           | 0303316            | 05/19/74     | 12   | 19              | 4                 |                      | 6.0      | 170  |                                   | 12-1                 | 1-4       | 6              | 4             | 1          | 1           | 1           | 4               | 3                  | 1      |         |           |              |           |                        | 3.30              |                    |                            |                               |
| 304A  | 6736     | 113.9510  | P-12     |             |           | 0303316            | 05/19/74     | 12   | 17              | 4                 |                      | 6.0      | 70   |                                   | 1-1                  | 1-4       | 6              | 4             | 1          | 1           | 1           | 4               | 3                  | 1      |         |           |              |           |                        | 3.60              |                    |                            |                               |
| 304A  | 5005     | 113.9661  | P-12     |             |           | 0303317            | 05/19/74     | 13   | 28              | 0                 |                      | 6.4      | 240  |                                   | 4-1                  | 1-3       | 6              | 4             | 1          | 1           | 2           | 1               | 4                  | 3      | 1       |           |              |           |                        | 1.90              |                    |                            |                               |
| 304A  | 5033     | 113.9491  | P-12     |             |           | 0303318            | 05/19/74     | 15   | 26              | 15                |                      | 6.4      | 370  |                                   | 15-1                 | 1-5       | 6              | 2             | 1          | 1           | 2           | 1               | 4                  | 3      | 1       |           |              |           |                        | 4.20              |                    |                            |                               |
| 304A  | 6226     | 114.1608  | P-12     |             |           | 0303319            | 05/19/74     | 15   | 22              | 19                |                      | 6.9      | 220  |                                   | 7-1                  | 1-3       | 6              | 2             | 3          | 2           | 1           | 4               | 4                  | 1      |         |           |              |           |                        | 3.20              |                    |                            |                               |
| 304A  | 1916     | 114.1365  | P-12     |             |           | 0303320            | 05/19/74     | 15   | 20              | 15                |                      | 6.9      | 265  |                                   | 6-1                  | 1-7       | 5              | 6             | 3          | 3           | 2           | 4               | 4                  | 1      |         |           |              |           |                        | 3.10              |                    |                            |                               |
| 304A  | 1350     | 114.1275  | P-12     |             |           | 0303321            | 05/19/74     | 16   | 29              | 20                |                      | 6.9      | 342  |                                   | 4-1                  | 1-5       | 6              | 2             | 3          | 2           | 1           | 4               | 4                  | 1      |         |           |              |           |                        | 2.80              |                    |                            |                               |
| 304A  | 1605     | 114.0784  | P-13     |             |           | 0303322            | 05/19/74     | 17   | 30              | 19                |                      | 6.6      | 150  |                                   | 6-1                  | 1-7       | 5              | 8             | 3          | 2           | 1           | 4               | 3                  | 2      |         |           |              |           |                        | 26.00             |                    |                            |                               |
| 304A  | 1827     | 114.0991  | P-13     |             |           | 0303323            | 05/19/74     | 17   | 32              | 19                |                      | 6.9      | 195  |                                   | 15-1                 | 1-5       | 8              | 3             | 5          | 1           | 1           | 4               | 3                  | 2      |         |           |              |           |                        | 3.40              |                    |                            |                               |
| 304A  | 2094     | 114.0446  | P-13     |             |           | 0303324            | 05/19/74     | 18   | 19              | 16                |                      | 7.2      | 260  |                                   | 12-1                 | 1-4       | 3              | 4             | 3          | 2           | 1           | 4               | 3                  | 2      |         |           |              |           |                        | 3.00              |                    |                            |                               |
| 304A  | 1847     | 114.0355  | P-12     |             |           | 0303324            | 05/19/74     | 19   | 18              | 9                 |                      | 6.5      | 240  |                                   | 9-1                  | 1-2       | 1              | 1             | 1          | 1           | 1           | 4               | 3                  | 2      |         |           |              |           |                        | 2.40              |                    |                            |                               |
| 304A  | 1863     | 114.0111  | P-12     |             |           | 0303327            | 04/19/74     | 19   | 16              | 7                 |                      | 6.4      | 260  |                                   | 15-1                 | 1-5       | 7              | 4             | 4          | 3           | 2           | 1               | 4                  | 3      | 2       |           |              |           |                        |                   | 3.50               |                            |                               |

LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| ERDA SAMPLE NUMBER |                     |                      |          |             |           |                    |                             |                         |                 |                   | LASL SAMPLE NUMBER AND FIELD DATA |                      |    |                                 |                       |           |            |              |               |             |             | U CONCENTRATION |                 |                    |         |           |           |                        |                   |                    |             |       |
|--------------------|---------------------|----------------------|----------|-------------|-----------|--------------------|-----------------------------|-------------------------|-----------------|-------------------|-----------------------------------|----------------------|----|---------------------------------|-----------------------|-----------|------------|--------------|---------------|-------------|-------------|-----------------|-----------------|--------------------|---------|-----------|-----------|------------------------|-------------------|--------------------|-------------|-------|
| STATE              | LATITUDE            | LONGITUDE            | ERDA LAB | SAMPLE TYPE | REPLICATE | LAST SAMPLE NUMBER | TIME SAMPLED                |                         | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS                          | SPECIAL MEASUREMENTS | PH | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLATIONER (cpm) | ROCK TYPE | SOCK COLOR | SEIMENT TYPE | SEIMENT COLOR | WATER LEVEL | WATER COLOR | STREAM CHANNEL  | VEGETATION TYPE | VEGETATION DENSITY | WEATHER | OWNERSHIP | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | SAMPLE TYPE |       |
|                    |                     |                      |          |             |           |                    | DATE                        | HOUR                    |                 |                   |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    | 1:10        | 20:00 |
| 30-6A              | 1961-114.0067-2-12- | 0-303328-05/19/74-19 | 16       | 7.5         | -         | 6.6                | 248                         | 10-1-1-4-7-6-4-3-2-1-   | 1-4-3-2-        | 1-                | 2.70                              |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 2177-114.0288-2-12- | 0-303330-05/19/74-21 | 16       | 7.0         | -         | 6.6                | 240                         | 10-1-5-3-7-4-4-1-2-1-8- | 1-4-3-2-        | 1-                | 3.10                              |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 2288-114.0858-2-12- | 0-303331-05/19/74-21 | 13       | 7.0         | -         | 240                | 10-1-7-3-7-4-4-1-2-1-2-3-   | 1-4-3-2-                | 1-              | 3.30              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 2413-114.0955-2-12- | 0-303332-05/19/74-22 | 12       | 6.0         | -         | 210                | 13-1-7-3-6-5-4-1-1-4-2-8-   | 1-4-3-2-                | 1-              | 3.30              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 2444-114.0736-2-12- | 0-303333-05/19/74-22 | 11       | 6.5         | -         | 210                | 0-1-1-5-8-1-3-2-1-4-2-3-3-  | 1-4-3-2-                | 1-              | 2.50              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 2477-114.1736-2-12- | 0-303334-05/19/74-23 | 15       | 15.0        | -         | 510                | 7-1-7-5-8-3-2-4-2-3-3-      | 1-4-3-2-                | 1-              | 6.20              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 1350-114.0934-2-13- | 0-303335-05/20/74-11 | 11       | 7.2         | -         | 242                | 7-1-7-5-8-3-2-4-2-3-3-      | 1-4-3-2-                | 1-              | 2.20              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 1222-114.0919-2-13- | 0-303336-05/20/74-11 | 11       | -           | -         | -                  | 10-1-7-7-8-1-3-1-6-4-2-3-3- | 1-4-3-2-                | 1-              | 15.10             |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 0930-114.0730-2-13- | 0-303337-05/20/74-12 | 9        | 11.2        | -         | 375                | 12-1-7-5-8-2-3-1-1-2-3-2-3- | 1-4-3-2-                | 1-              | 11.50             |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 0272-114.0627-2-13- | 0-303338-05/20/74-12 | 9        | 6.0         | -         | 260                | 10-1-7-7-8-1-3-1-6-4-2-3-3- | 1-4-3-2-                | 1-              | 1.40              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 0494-114.0186-2-13- | 0-303340-05/20/74-14 | 9        | 11.9        | -         | 22                 | 10-1-7-7-8-1-3-1-6-4-2-3-3- | 1-4-3-2-                | 1-              | 4.10              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 0130-114.0475-2-12- | 0-303341-05/20/74-14 | 8        | 6.0         | -         | 410                | 21-1-7-8-3-1-1-6-4-2-3-3-   | 1-4-3-2-                | 1-              | 2.60              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 1089-114.1747-2-13- | 0-303342-05/20/74-14 | 9        | 11.6        | -         | 500                | 9-1-7-7-7-1-2-5-3-2-4-      | 1-4-3-2-                | 1-              | 2.00              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 0793-114.2519-2-15- | 0-303343-05/20/74-15 | 11       | -           | -         | -                  | 9-1-7-7-7-1-2-5-3-2-4-      | 1-4-3-2-                | 1-              | 2.40              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 0805-114.2433-2-15- | 0-303344-05/20/74-15 | 18       | -           | -         | -                  | 13-1-7-7-8-1-1-4-3-2-3-     | 1-4-3-2-                | 1-              | 2.50              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 0588-114.2588-2-15- | 0-303345-05/20/74-15 | 18       | -           | -         | -                  | 9-1-7-7-8-1-1-4-3-2-3-      | 1-4-3-2-                | 1-              | 2.40              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 0347-114.2533-2-15- | 0-303346-05/20/74-17 | 8        | 9.1         | -         | 70                 | 6-1-7-7-8-1-1-4-3-2-3-      | 1-4-3-2-                | 1-              | 2.30              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 0387-114.2722-2-15- | 0-303347-05/20/74-17 | 8        | -           | -         | -                  | 9-1-7-7-8-1-1-4-3-2-3-      | 1-4-3-2-                | 1-              | 3.40              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 0136-114.2466-2-12- | 0-303348-05/20/74-18 | 10       | 8.5         | -         | 127                | 9-1-7-7-8-1-1-4-3-2-3-      | 1-4-3-2-                | 1-              | 2.10              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 0158-114.2930-2-12- | 0-303349-05/20/74-18 | 11       | 7.1         | -         | 90                 | 9-1-7-7-8-1-1-4-3-2-3-      | 1-4-3-2-                | 1-              | 2.30              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 0136-114.2611-2-12- | 0-303350-05/20/74-18 | 11       | 7.3         | -         | 62                 | 10-1-7-3-9-4-4-2-2-5-3-2-   | 1-4-3-2-                | 1-              | 2.90              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 0058-114.3061-2-12- | 0-303351-05/20/74-18 | 11       | 5.0         | -         | 1100               | 6-1-7-7-3-7-4-4-1-2-4-3-2-  | 1-4-3-2-                | 1-              | 8.90              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 0008-114.3052-2-12- | 0-303352-05/20/74-19 | 7        | 6.0         | -         | 40                 | 6-1-7-7-3-7-4-4-1-2-4-3-2-  | 1-4-3-2-                | 1-              | 2.90              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 1338-114.2655-2-12- | 0-303353-05/20/74-20 | 13       | 12.1        | -         | 490                | 6-1-7-7-3-7-4-4-1-2-4-3-2-  | 1-4-3-2-                | 1-              | 2.70              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 1319-114.2466-2-11- | 0-303354-05/20/74-20 | 10       | 14.5        | -         | 600                | 15-1-5-7-3-3-1-6-3-3-3-     | 1-4-3-2-                | 1-              | 1.90              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 0722-114.3311-2-12- | 0-303355-05/20/74-21 | 8        | 5.0         | -         | 63                 | 15-1-5-7-3-3-1-6-3-3-3-     | 1-4-3-2-                | 1-              | 2.20              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 0905-114.3277-2-12- | 0-303356-05/20/74-22 | 4        | 5.1         | -         | 420                | 15-1-7-3-6-4-3-1-2-2-2-3-   | 1-4-3-2-                | 1-              | 2.40              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 0905-114.3283-2-12- | 0-303357-05/20/74-22 | 4        | 5.0         | -         | 475                | 15-1-7-3-6-4-3-1-2-2-2-3-   | 1-4-3-2-                | 1-              | 2.80              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 1091-114.3250-2-12- | 0-303358-05/20/74-22 | 6        | 5.7         | -         | 465                | 15-1-7-3-6-4-3-1-2-2-2-3-   | 1-4-3-2-                | 1-              | 1.60              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 1305-114.3172-2-12- | 0-303359-05/20/74-23 | 4        | -           | -         | -                  | 9-1-1-5-7-3-3-1-2-2-2-3-    | 1-4-3-2-                | 1-              | 3.40              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 1402-114.3635-2-12- | 0-303360-05/21/74-10 | 11       | 9.8         | -         | 470                | 9-1-1-5-7-3-3-1-2-2-2-3-    | 1-4-3-2-                | 1-              | 10.00             |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 1783-116.3534-2-13- | 0-303361-05/21/74-10 | 16       | 11.5        | -         | 500                | 9-1-1-5-7-3-3-1-2-2-2-3-    | 1-4-3-2-                | 1-              | 2.90              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 2093-114.3730-2-13- | 0-303362-05/21/74-11 | 25       | 11.6        | -         | 670                | 9-1-1-5-7-3-3-1-2-2-2-3-    | 1-4-3-2-                | 1-              | 2.10              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 2272-114.3811-2-11- | 0-303363-05/21/74-11 | 23       | 12.0        | -         | 425                | 9-1-1-5-7-3-3-1-2-2-2-3-    | 1-4-3-2-                | 1-              | 2.70              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 2477-114.4011-2-11- | 0-303364-05/21/74-11 | 20       | 11.0        | -         | 382                | 9-1-1-5-7-3-3-1-2-2-2-3-    | 1-4-3-2-                | 1-              | 1.60              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 2238-114.4333-2-11- | 0-303365-05/21/74-11 | 23       | 13.2        | -         | 620                | 9-1-1-5-7-3-3-1-2-2-2-3-    | 1-4-3-2-                | 1-              | 2.30              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 2446-114.4495-2-12- | 0-303366-05/21/74-11 | 22       | 9.0         | -         | 450                | 9-1-1-5-7-3-3-1-2-2-2-3-    | 1-4-3-2-                | 1-              | 3.00              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 2405-114.4472-2-12- | 0-303367-05/21/74-11 | 12       | 8.0         | -         | 600                | 9-1-1-5-7-3-3-1-2-2-2-3-    | 1-4-3-2-                | 1-              | 1.90              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 2255-114.4687-2-11- | 0-303368-05/21/74-11 | 23       | 15.1        | -         | 105                | 9-1-1-5-7-3-3-1-2-2-2-3-    | 1-4-3-2-                | 1-              | 4.30              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 2272-114.4655-2-11- | 0-303369-05/21/74-12 | 13       | 14.1        | -         | 454                | 6-1-1-5-6-2-3-1-1-4-3-1-8-  | 1-4-3-2-                | 1-              | 2.60              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 2044-114.4803-2-11- | 0-303370-05/21/74-12 | 14       | 13.4        | -         | 525                | 6-1-1-5-6-2-3-1-1-4-3-1-8-  | 1-4-3-2-                | 1-              | 2.30              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 1905-114.4742-2-11- | 0-303371-05/21/74-12 | 23       | 14.4        | -         | 320                | 11-1-1-4-6-2-3-5-4-1-8-     | 1-4-3-2-                | 1-              | 3.00              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 2446-114.4495-2-12- | 0-303372-05/21/74-13 | 23       | 12.2        | -         | 460                | 9-1-1-5-6-4-3-1-2-2-2-3-    | 1-4-3-2-                | 1-              | 1.90              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 1755-114.4877-2-12- | 0-303373-05/21/74-14 | 25       | 16.5        | -         | 525                | 9-1-1-5-6-4-3-1-2-2-2-3-    | 1-4-3-2-                | 1-              | 2.40              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 1750-114.4877-2-12- | 0-303374-05/21/74-14 | 18       | 13.1        | -         | 370                | 9-1-1-5-6-4-3-1-2-2-2-3-    | 1-4-3-2-                | 1-              | 1.60              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 1627-114.4922-2-12- | 0-303375-05/21/74-14 | 22       | 14.2        | -         | 464                | 9-1-1-5-6-4-3-1-2-2-2-3-    | 1-4-3-2-                | 1-              | 8.60              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 1972-114.4305-2-11- | 0-303376-05/21/74-15 | 18       | 13.1        | -         | 470                | 9-1-1-5-6-4-3-1-2-2-2-3-    | 1-4-3-2-                | 1-              | 1.90              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 2027-114.4544-2-11- | 0-303377-05/21/74-16 | 23       | 14.4        | -         | 500                | 9-1-1-5-6-4-3-1-2-2-2-3-    | 1-4-3-2-                | 1-              | 3.20              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 1911-114.4564-2-11- | 0-303378-05/21/74-16 | 26       | 22.1        | -         | 500                | 11-1-1-4-6-2-3-2-1-4-1-3-1- | 1-4-3-2-                | 1-              | 2.70              |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 1422-114.4702-2-11- | 0-303379-05/21/74-17 | 23       | 13.3        | -         | 500                | 15-1-1-5-7-3-3-1-2-2-2-3-   | 1-4-3-2-                | 1-              |                   |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |
| 30-6A              | 1344-114.4670-2-12- | 0-303380-05/21/74-17 | 21       | 12.2        | -         | 500                | 15-1-1-5-7-3-3-1-2-2-2-3-   | 1-4-3-2-                | 1-              |                   |                                   |                      |    |                                 |                       |           |            |              |               |             |             |                 |                 |                    |         |           |           |                        |                   |                    |             |       |



LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| STATE | LATITUDE           | LONGITUDE | ERDA LAB | SAMPLE TYPE | REPLICATE | LAST SAMPLE NUMBER | TIME SAMPLED |      | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | pH  | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLOMETER (dpm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION DENSITY | WEATHER | WEATERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | U CONCENTRATION |        |
|-------|--------------------|-----------|----------|-------------|-----------|--------------------|--------------|------|-----------------|-------------------|----------|----------------------|-----|---------------------------------|----------------------|-----------|------------|---------------|----------------|------------|-------------|-------------|----------------|--------------------|---------|------------|--------------|-----------|------------------------|-------------------|--------------------|-----------------|--------|
|       |                    |           |          |             |           |                    | DATE         | HOUR |                 |                   |          |                      |     |                                 |                      |           |            |               |                |            |             |             |                |                    |         |            |              |           |                        |                   |                    | SAMPLE TYPE     | IN ppm |
| 30-4A | 3091-114.4091-2-11 |           |          |             |           | 0-303432           | 05/25/74     | 16   | 12-11.2         |                   |          | 8.1                  | 470 | 9-6                             | 6-4                  | 6-2       | 3-1        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 2.60              | 2.30               |                 |        |
| 30-4A | 3091-114.4227-2-12 |           |          |             |           | 0-303433           | 05/25/74     | 17   | 12-11.2         |                   |          | 6.4                  | 450 | 6-4                             | 3-1                  | 2-3       | 1-1        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 2.40              | 2.40               |                 |        |
| 30-4A | 3016-116.4616-2-12 |           |          |             |           | 0-303434           | 05/25/74     | 17   | 12              |                   |          | 7.5                  | 460 | 7-4                             | 6-2                  | 2-1       | 1-1        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 2.60              | 2.60               |                 |        |
| 30-4A | 3780-116.4506-2-12 |           |          |             |           | 0-303435           | 05/25/74     | 17   | 12-13.5         |                   |          | 7.5                  | 500 | 1-4                             | 2-2                  | 2-3       | 1-1        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 2.30              | 2.30               |                 |        |
| 30-4A | 4252-116.4308-2-12 |           |          |             |           | 0-303436           | 05/25/74     | 18   | 14              |                   |          | 7.0                  | 450 | 1-2                             | 7-2                  | 2-1       | 3-3        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 1.90              | 1.90               |                 |        |
| 30-4A | 4152-116.4897-2-12 |           |          |             |           | 0-303437           | 05/25/74     | 18   | 11-14.0         |                   |          | 7.2                  | 445 | 7-4                             | 6-2                  | 6-2       | 4-1        | 3-4           | 2-2            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 6.80              | 6.80               |                 |        |
| 30-4A | 4383-116.3955-2-12 |           |          |             |           | 0-303438           | 05/25/74     | 18   | 9-11.4          | A-C               |          | 7.2                  | 310 | A-4                             | 6-2                  | 7-3       | 1-1        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 2.80              | 2.80               |                 |        |
| 30-4A | 4675-114.4533-2-13 |           |          |             |           | 0-303439           | 05/25/76     | 19   | 12-10.5         |                   |          | 7.4                  | 200 | A-2                             | 4-4                  | 5-2       | 4-1        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 6.70              | 6.70               |                 |        |
| 30-4A | 4955-116.4602-2-12 |           |          |             |           | 0-303440           | 05/25/74     | 19   | 12              | A-5               |          | 7.2                  | 520 | 1-4                             | 3-3                  | 3-1       | 2-1        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 3.60              | 3.60               |                 |        |
| 30-4A | 2780-116.4836-2-12 |           |          |             |           | 0-303441           | 05/30/74     | 19   | 10              | B-2               |          | 6.4                  | 115 | 9-2                             | 6-3                  | 5-4       | 4-1        | 2-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 7.80              | 7.80               |                 |        |
| 30-4A | 2783-116.4730-2-12 |           |          |             |           | 0-303442           | 05/30/74     | 11   | 10              | A-5               |          | 6.4                  | 140 | 7-2                             | 6-2                  | 5-4       | 4-1        | 2-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 2.00              | 2.00               |                 |        |
| 30-4A | 3766-116.7761-2-12 |           |          |             |           | 0-303443           | 05/30/74     | 16   | 7               | S-2               |          | 6.5                  | 125 | 1-4                             | 2-2                  | 3-3       | 4-1        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 3.10              | 3.10               |                 |        |
| 30-4A | 3772-116.7850-2-12 |           |          |             |           | 0-303444           | 05/30/74     | 16   | 7               | S-0               |          | 6.4                  | 215 | 1-4                             | 2-1                  | 3-3       | 4-1        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 3.50              | 3.50               |                 |        |
| 30-4A | 2413-116.3855-2-13 |           |          |             |           | 0-303445           | 05/26/74     | 13   | 15-17.5         |                   |          | 7.0                  | 380 | A-4                             | 6-1                  | 1-3       | 2-1        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 2.40              | 2.40               |                 |        |
| 30-4A | 2261-116.4013-2-06 |           |          |             |           | 0-303446           | 05/26/74     | 13   | 15              |                   |          |                      |     | 6-4                             | 4-6                  | -         | -          | 4-4           | 3-2            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 2.40              | 2.40               |                 |        |
| 30-4A | 2688-116.4164-2-15 |           |          |             |           | 0-303447           | 04/26/74     | 13   | 15              |                   |          |                      |     | 5-4                             | 6-6                  | -         | -          | 4-4           | 3-2            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 3.20              | 3.20               |                 |        |
| 30-4A | 2686-116.4534-2-12 |           |          |             |           | 0-303448           | 05/26/74     | 13   | 15              | 7-2               |          | 7.4                  | 300 | 5-4                             | 3-2                  | 4-3       | 1-2        | 1-2           | 1-2            | 1-2        | 1-2         | 1-2         | 1-2            | 1-2                | 2       | 3          |              |           |                        | 2.40              | 2.40               |                 |        |
| 30-4A | 2800-116.4873-2-15 |           |          |             |           | 0-303449           | 05/26/74     | 13   | 15              |                   |          |                      |     | 1-4                             | 4-6                  | -         | -          | 1-4           | 5-2            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 2.00              | 2.00               |                 |        |
| 30-4A | 3108-116.4825-2-15 |           |          |             |           | 0-303450           | 05/26/74     | 14   | 15              |                   |          |                      |     | 1-2                             | 3-6                  | 6-1       | -          | -             | 1-2            | 3-6        | 6-1         | -           | -              | 1-2                | 2       | 3          |              |           |                        | 2.60              | 2.60               |                 |        |
| 30-4A | 2238-116.4450-2-15 |           |          |             |           | 0-303451           | 05/26/74     | 14   | 14              | 9-0               |          | 6.9                  | 330 | 6-2                             | 7-3                  | 1-2       | 4-1        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 2.70              | 2.70               |                 |        |
| 30-4A | 3141-116.4258-2-13 |           |          |             |           | 0-303452           | 05/26/74     | 16   | 14              | 8-0               |          | 7.2                  | 280 | 1-4                             | 2-1                  | 2-4       | 1-1        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 2.40              | 2.40               |                 |        |
| 30-4A | 3472-116.4344-2-12 |           |          |             |           | 0-303453           | 05/26/74     | 15   | 19              | 14-2              |          | 7.6                  | 420 | 1-4                             | 2-1                  | 3-3       | 3-2        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 2.70              | 2.70               |                 |        |
| 30-4A | 3391-116.4360-2-12 |           |          |             |           | 0-303454           | 05/26/74     | 15   | 19              | 16-1              |          | 8.1                  | 450 | 6-4                             | 3-3                  | 3-4       | 1-1        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 2.40              | 2.40               |                 |        |
| 30-4A | 3302-116.4794-2-12 |           |          |             |           | 0-303455           | 05/26/74     | 16   | 15              | 9-2               |          | 6.3                  | 140 | 1-4                             | 2-1                  | 3-3       | 4-1        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 2.40              | 2.40               |                 |        |
| 30-4A | 3216-116.4402-2-15 |           |          |             |           | 0-303456           | 05/26/74     | 17   | 19              |                   |          |                      |     | 1-4                             | 6-7                  | 4-4       | 1-1        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 2.50              | 2.50               |                 |        |
| 30-4A | 3761-116.8146-2-12 |           |          |             |           | 0-303457           | 05/30/74     | 15   | 7               | 6-5               |          | 6.0                  | 230 | 7-2                             | 1-3                  | 1-2       | 3-1        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 3.20              | 3.20               |                 |        |
| 30-4A | 3733-116.8077-2-12 |           |          |             |           | 0-303458           | 05/30/74     | 15   | 7               | 5-2               |          | 6.5                  | 50  | 1-4                             | 2-1                  | 3-3       | 3-1        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 4.90              | 4.90               |                 |        |
| 30-4A | 3488-116.8107-2-12 |           |          |             |           | 0-303459           | 05/30/74     | 15   | 7               | 4-5               |          | 6.0                  | 18  | 1-2                             | 1-3                  | 3-4       | 4-1        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 4.30              | 4.30               |                 |        |
| 30-4A | 3138-116.8105-2-12 |           |          |             |           | 0-303460           | 05/31/74     | 10   | 10              | 4-2               |          | 6.0                  | 16  | 9-2                             | 7-6                  | 4-4       | 4-1        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 3.00              | 3.00               |                 |        |
| 30-4A | 3130-116.8091-2-12 |           |          |             |           | 0-303461           | 05/31/74     | 12   | 10              | 3-8               |          | 6.4                  | 14  | 7-2                             | 7-3                  | 6-3       | 3-1        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 3.00              | 3.00               |                 |        |
| 30-4A | 3238-116.7933-2-12 |           |          |             |           | 0-303462           | 05/31/74     | 13   | 10              | 4-5               |          | 6.0                  | 90  | 1-4                             | 2-4                  | 5-3       | 3-1        | 2-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 4.70              | 4.70               |                 |        |
| 30-4A | 3127-116.7866-2-15 |           |          |             |           | 0-303463           | 05/31/74     | 13   | 10              |                   |          |                      |     | 1-4                             | 5-6                  | 6-1       | -          | -             | 1-4            | 5-2        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 3.60              | 3.60               |                 |        |
| 30-4A | 3083-116.7509-2-12 |           |          |             |           | 0-303464           | 05/31/74     | 13   | 10              | 7-0               |          | 6.0                  | 30  | 7-1                             | 4-1                  | 4-4       | 4-3        | 2-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 3.90              | 3.90               |                 |        |
| 30-4A | 3194-116.7577-2-12 |           |          |             |           | 0-303465           | 05/31/74     | 14   | 8               | 7-2               |          | 7.2                  | 210 | 1-1                             | 4-1                  | 4-4       | 4-3        | 2-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 3.00              | 3.00               |                 |        |
| 30-4A | 2467-116.7619-2-12 |           |          |             |           | 0-303466           | 05/31/74     | 14   | 8               | 6-1               |          | 6.4                  | 195 | 6-4                             | 6-4                  | 6-4       | 4-1        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 3.30              | 3.30               |                 |        |
| 30-4A | 2813-116.7625-2-12 |           |          |             |           | 0-303467           | 05/31/74     | 14   | 14              | 8-8               |          | 6.4                  | 31  | 1-4                             | 2-7                  | 4-4       | 3-2        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 3.70              | 3.70               |                 |        |
| 30-4A | 2411-116.7568-2-12 |           |          |             |           | 0-303468           | 05/31/74     | 15   | 16              | 7-2               |          | 7.2                  | 95  | 1-4                             | 3-7                  | 4-4       | 3-2        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 5.10              | 5.10               |                 |        |
| 30-4A | 2775-116.7738-2-12 |           |          |             |           | 0-303469           | 05/31/74     | 16   | 14              | 7-2               |          | 5.9                  | 28  | 9-4                             | 5-6                  | 3-4       | 2-1        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 4.10              | 4.10               |                 |        |
| 30-4A | 2775-116.7744-2-12 |           |          |             |           | 0-303470           | 05/31/74     | 16   | 10              | 9-8               |          | 6.0                  | 33  | 8-4                             | 5-6                  | 3-2       | 3-2        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 4.30              | 4.30               |                 |        |
| 30-4A | 2511-116.8006-2-12 |           |          |             |           | 0-303471           | 05/31/74     | 16   | 10              | 9-2               |          | 6.1                  | 35  | 7-4                             | 5-6                  | 2-3       | 2-1        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 3.90              | 3.90               |                 |        |
| 30-4A | 4322-116.8361-2-12 |           |          |             |           | 0-303472           | 05/31/74     | 17   | 7               | 3-8               |          | 6.9                  | 200 | 1-1                             | 7-7                  | 4-4       | 4-1        | 1-1           | 1-1            | 1-1        | 1-1         | 1-1         | 1-1            | 1-1                | 2       | 3          |              |           |                        | 3.50              | 3.50               |                 |        |
| 30-4A | 4751-116.8669-2-12 |           |          |             |           | 0-303473           | 05/31/74     | 18   | 7               | 2-8               |          | 6.3                  | 26  | 9-4                             | 2-3                  | 4-4       | 4-1        | 1-1           | 1-1            | 1          |             |             |                |                    |         |            |              |           |                        |                   |                    |                 |        |



## LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| ERDA SAMPLE NUMBER |          |           |          |             |           | LASL SAMPLE NUMBER AND FIELD DATA |              |      |                 |                   |                              |                                   |    |                                 |                      |           |            |               |                |            |             |             |                | U CONCENTRATION |                    |        |         |           |              |           |                        |                   |                    |  |  |
|--------------------|----------|-----------|----------|-------------|-----------|-----------------------------------|--------------|------|-----------------|-------------------|------------------------------|-----------------------------------|----|---------------------------------|----------------------|-----------|------------|---------------|----------------|------------|-------------|-------------|----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|--|--|
| STATE              | LATITUDE | LONGITUDE | ERDA LAB | SAMPLE TYPE | REPLICATE | LASL SAMPLE NUMBER                | TIME SAMPLED |      | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS                     | SPECIFIC CONDUCTANCE MEASUREMENTS | PH | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLOMETER (dpm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | SAMPLE TYPES<br>1-10 GR<br>WATER<br>IN DRB | SAMPLE TYPES<br>11-20 GR<br>SEDIMENT<br>IN DRB |
|                    |          |           |          |             |           |                                   | DATE         | HOUR |                 |                   |                              |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |
| 30-4A              | 8969-114 | 800H-2-12 | n-307536 | n5/28/74    | 14        | 9                                 | 3.9          |      | 6.4             | 179               | 4-1-7-1-7-6-4-2-2-1-3-4-2-1  |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.50               |  |  |
| 30-4A              | 8961-114 | 79R3-2-12 | n-307537 | n5/28/74    | 15        | 9                                 | 5.0          |      | 6.1             | 97                | 7-1-7-2-7-5-4-2-2-1-4-4-2-1  |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 4.00               |  |  |
| 30-4A              | 8980-114 | 8086-2-12 | n-307538 | n5/28/74    | 16        | 10                                | 4.8          |      | 6.2             | 99                | 10-1-7-2-7-5-4-2-2-1-3-4-2-1 |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 4.40               |  |  |
| 30-4A              | 8647-114 | 8094-2-12 | n-307539 | n5/28/74    | 15        | 11                                | 5.1          |      | 6.5             | 238               | 9-1-7-2-7-6-4-2-2-1-4-4-2-1  |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.00               |  |  |
| 30-4A              | 8266-114 | 8602-2-12 | n-307540 | n5/28/74    | 16        | 8                                 | 5.1          |      | 6.4             | 137               | 8-1-7-3-7-6-4-3-2-1-4-3-2-3  |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.10               |  |  |
| 30-4A              | 8207-114 | 8216-2-12 | n-307541 | n5/28/74    | 17        | 11                                | 5.0          |      | 6.0             | 267               | 5-1-7-3-7-6-4-1-2-1-4-3-2-1  |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.70               |  |  |
| 30-4A              | 8300-114 | 8405-2-12 | n-307542 | n5/28/74    | 17        | 11                                | 4.6          |      | 5.6             | 177               | 10-1-7-2-7-6-4-1-2-1-4-3-2-1 |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.60               |  |  |
| 30-4A              | 8386-114 | 8361-2-12 | n-307543 | n5/28/74    | 17        | 9                                 | 4.6          |      | 6.4             | 181               | 4-1-7-2-7-6-4-1-2-1-4-3-2-1  |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.20               |  |  |
| 30-4A              | 8594-114 | 8205-2-12 | n-307544 | n5/28/74    | 18        | 10                                | 4.0          |      | 6.3             | 185               | 5-1-7-1-7-6-4-1-2-1-3-4-2-1  |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.70               |  |  |
| 30-4A              | 7638-114 | 8652-2-12 | n-307545 | n5/28/74    | 19        | 8                                 | 5.1          |      | 6.6             | 140               | 11-1-1-5-6-4-5-3-2-1-2-3-2-1 |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.50               |  |  |
| 30-4A              | 7644-114 | 8691-2-12 | n-307546 | n5/28/74    | 19        | 9                                 | 6.3          |      | 6.5             | 145               | 8-1-1-4-6-6-5-3-2-1-2-3-2-1  |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.40               |  |  |
| 30-4A              | 7886-114 | 8311-2-12 | n-307547 | n5/28/74    | 19        | 6                                 | 4.8          |      | 6.3             | 121               | 8-1-7-2-7-6-4-1-2-1-4-4-2-1  |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.60               |  |  |
| 30-4A              | 7930-114 | 7891-2-12 | n-307548 | n5/28/74    | 20        | 7                                 | 4.9          |      | 6.4             | 152               | 17-1-7-2-7-6-4-1-2-1-4-4-2-1 |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.30               |  |  |
| 30-4A              | 7888-114 | 7847-2-12 | n-307549 | n5/28/74    | 20        | 6                                 | 3.8          |      | 5.9             | 104               | 15-1-7-2-7-6-4-1-2-1-4-4-2-1 |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 4.40               |  |  |
| 30-4A              | 7877-114 | 7600-2-12 | n-307550 | n5/28/74    | 20        | 5                                 | 4.5          |      | 6.1             | 75                | 15                           |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 5.40               |  |  |
| 30-4A              | 7661-114 | 8333-2-12 | n-307551 | n5/29/74    | 17        | 17                                | 8.6          |      | 6.9             | 259               | 10-1-7-3-7-3-3-1-2-1-4-4-2-1 |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.00               |  |  |
| 30-4A              | 8475-114 | 9808-2-12 | n-307552 | n5/29/74    | 10        | 16                                | 6.3          |      | 6.9             | 350               | 8-1-7-5-6-2-3-1-2-4-3-3-3    |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.50               |  |  |
| 30-4A              | 8355-114 | 9677-2-12 | n-307553 | n5/29/74    | 10        | 15                                | 6.1          |      | 6.9             | 290               | 7-1-7-5-6-3-4-2-1-3-3-3-3    |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.90               |  |  |
| 30-4A              | 8347-114 | 9664-2-12 | n-307554 | n5/29/74    | 11        | 16                                | 6.1          |      | 6.8             | 288               | 4-1-7-5-6-3-4-2-1-3-3-3-3    |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.50               |  |  |
| 30-4A              | 8466-114 | 9377-2-12 | n-307555 | n5/29/74    | 11        | 16                                | 14.1         |      | 6.9             | 430               | 8-1-7-4-6-2-3-1-2-4-3-3-3    |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.70               |  |  |
| 30-4A              | 8488-114 | 9088-2-12 | n-307557 | n5/29/74    | 12        | 8                                 | 6.8          |      | 6.4             | 250               | 10-1-7-4-6-3-4-1-2-1-3-3-3-3 |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.10               |  |  |
| 30-4A              | 8466-114 | 8597-2-12 | n-307558 | n5/29/74    | 13        | 20                                | 8.8          |      | 6.8             | 415               | 12-1-7-4-6-2-2-1-2-1-4-4-3-3 |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.10               |  |  |
| 30-4A              | 8505-114 | 8943-2-12 | n-307559 | n5/29/74    | 13        | 12                                | 6.3          |      | 6.9             | 432               | 10-1-7-4-6-3-3-1-2-2-4-3-3-3 |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.90               |  |  |
| 30-4A              | 8100-114 | 8986-2-12 | n-307560 | n5/29/74    | 14        | 14                                | 4.9          |      | 6.8             | 145               | 12-1-7-2-7-3-4-1-2-2-3-3-3-3 |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.00               |  |  |
| 30-4A              | 7977-114 | 9516-2-12 | n-307561 | n5/29/74    | 14        | 14                                | 5.4          |      | 6.4             | 150               | 12-1-7-2-6-6-4-1-2-2-4-3-3-1 |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.30               |  |  |
| 30-4A              | 7977-114 | 9527-2-12 | n-307562 | n5/29/74    | 14        | 12                                | 8.3          |      | 6.4             | 275               | 17-1-7-2-6-6-4-1-2-2-4-3-3-1 |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.30               |  |  |
| 30-4A              | 7904-114 | 9394-2-12 | n-307563 | n5/29/74    | 15        | 16                                | 9.8          |      | 6.8             | 550               | 5-1-7-5-6-2-3-1-2-1-4-3-2-1  |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 1.70               |  |  |
| 30-4A              | 7541-114 | 9777-2-12 | n-307564 | n5/29/74    | 15        | 19                                | 11.2         |      | 7.1             | 465               | 7-1-7-2-7-3-3-1-2-1-3-3-2-1  |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.00               |  |  |
| 30-4A              | 7761-114 | 9344-2-12 | n-307565 | n5/29/74    | 16        | 19                                | 12.0         |      | 6.9             | 472               | 11-1-7-5-6-3-3-1-2-1-3-3-2-1 |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.10               |  |  |
| 30-4A              | 7536-114 | 8933-2-12 | n-307566 | n5/29/74    | 16        | 18                                | 14.2         |      | 6.5             | 232               | 11-1-7-3-7-3-3-1-2-4-3-3-2-3 |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.70               |  |  |
| 30-4A              | 7538-114 | 8944-2-12 | n-307567 | n5/29/74    | 16        | 17                                | 12.4         |      | 6.7             | 222               | 11-1-7-3-7-3-3-1-2-4-3-3-2-3 |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.50               |  |  |
| 30-4A              | 7786-114 | 8961-2-12 | n-307568 | n5/29/74    | 17        | 16                                | 14.0         |      | 6.8             | 223               | 8-1-7-3-7-3-3-1-2-4-3-3-2-3  |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.50               |  |  |
| 30-4A              | 8163-114 | 9436-2-12 | n-307569 | n5/29/74    | 17        | 18                                | 11.2         |      | 6.8             | 378               | 10-1-7-5-6-2-3-1-2-1-4-3-2-3 |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.40               |  |  |
| 30-4A              | 8354-114 | 9352-2-12 | n-307570 | n5/29/74    | 18        | 18                                | 8.7          |      | 6.9             | 261               | 4-1-7-4-6-3-4-1-2-1-3-4-2-3  |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.20               |  |  |
| 30-4A              | 7583-114 | 6638-2-12 | n-307571 | n5/31/74    | 11        | 9                                 | 3.9          |      | 6.5             | 132               | 12-2-7-2-7-4-4-2-2-4-3-4-4   |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 4.30               |  |  |
| 30-4A              | 7764-114 | 7055-2-12 | n-307572 | n5/31/74    | 12        | 4                                 | 3.7          |      | 6.1             | 95                | 11-2-7-2-7-4-4-2-2-1-4-4-4   |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 5.20               |  |  |
| 30-4A              | 7408-114 | 7302-2-12 | n-307573 | n5/31/74    | 13        | 10                                | 4.0          |      | 6.1             | 85                | 14-2-7-2-7-6-4-2-2-1-4-4-4   |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 6.30               |  |  |
| 30-4A              | 7531-114 | 7508-2-12 | n-307574 | n5/31/74    | 14        | 9                                 | 4.0          |      | 5.8             | 30                | 10-2-7-3-7-4-4-1-2-1-3-4-3-1 |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 4.20               |  |  |
| 30-4A              | 7522-114 | 7511-2-12 | n-307575 | n5/31/74    | 18        | 9                                 | 3.8          |      | 6.3             | 159               | 7-2-7-3-7-4-4-1-2-1-3-4-3-1  |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.00               |  |  |
| 30-4A              | 9008-114 | 9369-2-12 | n-307576 | n5/31/74    | 18        | 10                                | 5.8          |      | 6.1             | 184               | 8-1-7-2-7-6-4-1-2-1-4-4-3-1  |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.20               |  |  |
| 30-4A              | 8997-114 | 9547-2-12 | n-307577 | n5/31/74    | 18        | 10                                | 5.9          |      | 6.3             | 184               | 12-1-7-2-7-6-4-1-2-1-4-4-3-1 |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.20               |  |  |
| 30-4A              | 8875-114 | 9352-2-12 | n-307578 | n5/31/74    | 18        | 9                                 | 15.8         |      | 6.8             | 415               | 11-1-7-3-7-6-4-1-2-1-3-4-3-1 |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.80               |  |  |
| 30-4A              | 8758-114 | 9005-2-12 | n-307579 | n5/31/74    | 19        | 10                                | 4.9          |      | 6.3             | 226               | 10-1-7-3-7-6-4-1-2-1-4-4-3-1 |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.20               |  |  |
| 30-4A              | 8761-114 | 9016-2-12 | n-307580 | n5/31/74    | 19        | 10                                | 5.2          |      | 6.5             | 250               | 7-1-7-3-6-6-4-1-2-2-4-4-3-1  |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.30               |  |  |
| 30-4A              | 8805-114 | 9075-2-12 | n-307581 | n5/31/74    | 19        | 9                                 | 5.2          |      | 6.2             | 265               | 12-1-7-3-6-3-4-2-1-4-4-3-1   |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.10               |  |  |
| 30-4A              | 8252-114 | 0016-2-12 | n-307582 | n6/2/74     | 11        | 14                                | 17.7         |      | 8.4             | 1260              | 7-2-7-5-6-3-3-1-2-1-4-4-3-1  |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 5.10               |  |  |
| 30-4A              | 8197-114 | 0100-2-12 | n-307583 | n6/2/74     | 12        | 14                                | 18.1         |      | 8.1             | 1880              | 7-2-7-5-6-2-2-2-2-1-3-4-3-3  |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.30               |  |  |
| 30-4A              | 8344-114 | 0552-2-13 | n-307584 | n6/2/74     | 13        | 16                                | 16.7         |      | 6.9             | 495               | 5-2-7-4-6-1-3-2-1-3-3-3-3    |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.00               |  |  |
| 30-4A              | 7575-114 | 0158-2-15 | n-307585 | n6/2/74     | 14        | 16                                |              |      |                 |                   | 8-1-7-3-6-1-1-2-1-3-5-3-1    |                                   |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.10               |  |  |
| 30-4A              | 7561-114 | 0775-2-12 | n-307587 | n6/2/74     | 15        | 15                                | 7.3          |      | 6.3             | 70                | 8-3-7-4-6-3-3-2-1-3-4-3-1    | </                                |    |                                 |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |  |  |



### LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| ERDA SAMPLE NUMBER |               |           |          |             |           |                    |              |      |                 | LASL SAMPLE NUMBER AND FIELD DATA |          |                      |     |                                 |                         |           |            |               |                | U CONCENTRATION |             |             |                |                 |                    |        |         |           |             |           |                        |                   |                    |             |                       |
|--------------------|---------------|-----------|----------|-------------|-----------|--------------------|--------------|------|-----------------|-----------------------------------|----------|----------------------|-----|---------------------------------|-------------------------|-----------|------------|---------------|----------------|-----------------|-------------|-------------|----------------|-----------------|--------------------|--------|---------|-----------|-------------|-----------|------------------------|-------------------|--------------------|-------------|-----------------------|
| STATE              | LATITUDE      | LONGITUDE | ERDA LAB | SAMPLE TYPE | REPLICATE | LASL SAMPLE NUMBER | TIME SAMPLED |      | AIR TEMPERATURE | WATER TEMPERATURE                 | COMMENTS | SPECIAL MEASUREMENTS | pH  | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLOMETER (1σ dpm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW      | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | OWNERSHIP | CONTAMINANT | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | SAMPLE TYPE | U CONCENTRATION (ppm) |
|                    |               |           |          |             |           |                    | DATE         | HOUR |                 |                                   |          |                      |     |                                 |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   |                    |             |                       |
| 30-68R             | 0175-115.1244 | -2-12     |          |             |           | 0-303598-06/2/77   | 15           | 4.4  |                 |                                   |          |                      | 7.9 |                                 |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 3.20               |             |                       |
| 30-68R             | 1927-115.0216 | -2-14     |          |             |           | 0-303597-04/2/77   | 14           | 17.2 |                 |                                   |          |                      | 9.6 | 3150                            |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 3.40               |             |                       |
| 30-68R             | 0433-115.0711 | -2-12     |          |             |           | 0-303599-06/2/77   | 16           | 16.9 |                 |                                   |          |                      | 8.4 | 498                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 2.50               |             |                       |
| 30-68R             | 0911-115.0072 | -2-12     |          |             |           | 0-303592-04/2/77   | 17           | 7.4  |                 |                                   |          |                      | 6.5 | 218                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 2.90               |             |                       |
| 30-68R             | 0961-115.0852 | -2-12     |          |             |           | 0-303593-06/2/77   | 17           | 4.7  |                 |                                   |          |                      | 6.7 | 415                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 2.70               |             |                       |
| 30-68R             | 0961-115.1153 | -2-12     |          |             |           | 0-303599-06/2/77   | 17           | 8.8  |                 |                                   |          |                      | 6.5 | 278                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 2.80               |             |                       |
| 30-68R             | 0877-115.0683 | -2-12     |          |             |           | 0-303596-06/2/77   | 18           | 9.1  |                 |                                   |          |                      | 6.4 | 188                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 3.00               |             |                       |
| 30-68R             | 0966-115.0383 | -2-11     |          |             |           | 0-303597-06/2/77   | 19           | 16.3 |                 |                                   |          |                      | 6.3 | 488                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 2.80               |             |                       |
| 30-68R             | 0972-115.0350 | -2-12     |          |             |           | 0-303599-06/2/77   | 19           | 15.1 |                 |                                   |          |                      | 6.4 | 303                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 2.50               |             |                       |
| 30-68R             | 0901-115.0350 | -2-12     |          |             |           | 0-303400-06/2/77   | 19           | 11.0 |                 |                                   |          |                      | 6.3 | 225                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 2.40               |             |                       |
| 30-68R             | 0966-114.3744 | -2-12     |          |             |           | 0-303401-06/2/77   | 19           | 4.8  |                 |                                   |          |                      | 6.4 | 415                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 3.40               |             |                       |
| 30-68R             | 0181-114.3786 | -2-12     |          |             |           | 0-303402-06/2/77   | 19           | 4.5  |                 |                                   |          |                      | 6.7 | 102                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 3.40               |             |                       |
| 30-68R             | 0019-114.6641 | -2-12     |          |             |           | 0-303403-06/2/77   | 19           | 4.5  |                 |                                   |          |                      | 8.5 | 105                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 3.70               |             |                       |
| 30-68R             | 1936-114.4902 | -2-12     |          |             |           | 0-303404-06/2/77   | 19           | 7.1  |                 |                                   |          |                      | 6.3 | 31                              |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 5.40               |             |                       |
| 30-68R             | 0322-114.4138 | -2-12     |          |             |           | 0-303405-06/2/77   | 19           | 5.4  |                 |                                   |          |                      | 6.2 | 55                              |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 3.90               |             |                       |
| 30-68R             | 0147-114.3975 | -2-12     |          |             |           | 0-303406-06/2/77   | 19           | 5.6  |                 |                                   |          |                      | 7.5 | 102                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 5.17               |             |                       |
| 30-68R             | 0352-114.4180 | -2-12     |          |             |           | 0-303408-06/2/77   | 19           | 9.8  |                 |                                   |          |                      | 6.9 | 272                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 2.90               |             |                       |
| 30-68R             | 0400-114.4227 | -2-12     |          |             |           | 0-303410-06/2/77   | 19           | 4.8  |                 |                                   |          |                      | 7.0 | 145                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 3.50               |             |                       |
| 30-68R             | 0430-114.4611 | -2-12     |          |             |           | 0-303411-06/2/77   | 19           | 5.0  |                 |                                   |          |                      | 6.8 | 148                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 3.10               |             |                       |
| 30-68R             | 0730-114.4552 | -2-12     |          |             |           | 0-303412-06/2/77   | 19           | 4.4  |                 |                                   |          |                      | 6.7 | 145                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 3.20               |             |                       |
| 30-68R             | 0575-114.3961 | -2-12     |          |             |           | 0-303413-06/2/77   | 19           | 7.1  |                 |                                   |          |                      | 6.4 | 140                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 2.80               |             |                       |
| 30-68R             | 0580-114.3963 | -2-12     |          |             |           | 0-303414-06/2/77   | 19           | 5.9  |                 |                                   |          |                      | 6.8 | 112                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 3.40               |             |                       |
| 30-68R             | 0925-114.2941 | -2-12     |          |             |           | 0-303415-06/2/77   | 19           | 6.4  |                 |                                   |          |                      | 6.6 | 44                              |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 3.20               |             |                       |
| 30-68R             | 0225-114.2945 | -2-12     |          |             |           | 0-303416-06/2/77   | 19           | 9.4  |                 |                                   |          |                      | 6.4 | 40                              |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 3.20               |             |                       |
| 30-68R             | 0186-114.2911 | -2-12     |          |             |           | 0-303417-06/2/77   | 19           | 5.4  |                 |                                   |          |                      | 6.4 | 45                              |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 3.60               |             |                       |
| 30-68R             | 0572-114.3463 | -2-12     |          |             |           | 0-303419-06/2/77   | 19           | 7.8  |                 |                                   |          |                      | 7.1 | 142                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 2.80               |             |                       |
| 30-68R             | 0802-114.4575 | -2-12     |          |             |           | 0-303420-06/2/77   | 19           | 4.4  |                 |                                   |          |                      | 7.0 | 135                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 3.40               |             |                       |
| 30-68R             | 0952-114.4333 | -2-12     |          |             |           | 0-303421-06/2/77   | 19           | 4.6  |                 |                                   |          |                      | 6.9 | 200                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 2.70               |             |                       |
| 30-68R             | 0827-114.3938 | -2-12     |          |             |           | 0-303422-06/2/77   | 19           | 4.7  |                 |                                   |          |                      | 6.9 | 205                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 2.60               |             |                       |
| 30-68R             | 0921-114.4083 | -2-12     |          |             |           | 0-303423-06/2/77   | 19           | 4.8  |                 |                                   |          |                      | 6.7 | 182                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 3.40               |             |                       |
| 30-68R             | 0932-114.4677 | -2-12     |          |             |           | 0-303424-06/2/77   | 19           | 5.0  |                 |                                   |          |                      | 6.7 | 94                              |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 3.90               |             |                       |
| 30-68R             | 0930-114.4854 | -2-12     |          |             |           | 0-303425-06/2/77   | 19           | 6.7  |                 |                                   |          |                      | 6.4 | 110                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 3.70               |             |                       |
| 30-68R             | 0913-114.4772 | -2-12     |          |             |           | 0-303427-06/2/77   | 19           | 6.7  |                 |                                   |          |                      | 7.1 | 192                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 2.90               |             |                       |
| 30-68R             | 0705-114.4525 | -2-12     |          |             |           | 0-303428-06/2/77   | 19           | 8.9  |                 |                                   |          |                      | 7.0 | 270                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 2.90               |             |                       |
| 30-68R             | 0951-114.4391 | -2-12     |          |             |           | 0-303429-06/2/77   | 19           | 6.7  |                 |                                   |          |                      | 6.7 | 112                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 2.50               |             |                       |
| 30-68R             | 0967-114.4091 | -2-12     |          |             |           | 0-303430-06/2/77   | 19           | 6.4  |                 |                                   |          |                      | 6.9 | 115                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 2.40               |             |                       |
| 30-68R             | 0967-114.4280 | -2-12     |          |             |           | 0-303431-06/2/77   | 19           | 6.9  |                 |                                   |          |                      | 6.9 | 115                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 2.80               |             |                       |
| 30-68R             | 0652-114.4272 | -2-12     |          |             |           | 0-303432-06/2/77   | 19           | 6.4  |                 |                                   |          |                      | 6.9 | 110                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 2.40               |             |                       |
| 30-68R             | 0758-114.2552 | -2-12     |          |             |           | 0-303433-06/2/77   | 19           | 6.2  |                 |                                   |          |                      | 7.4 | 240                             |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 2.50               |             |                       |
| 30-68R             | 0050-115.0055 | -2-12     |          |             |           | 0-303434-06/2/77   | 19           | 6.1  |                 |                                   |          |                      | 6.4 | 70                              |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 3.40               |             |                       |
| 30-68R             | 0905-115.0005 | -2-12     |          |             |           | 0-303435-06/2/77   | 19           | 6.5  |                 |                                   |          |                      | 6.6 | 40                              |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 4.30               |             |                       |
| 30-68R             | 0905-115.0005 | -2-12     |          |             |           | 0-303436-06/2/77   | 19           | 6.5  |                 |                                   |          |                      | 6.6 | 40                              |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 4.30               |             |                       |
| 30-68R             | 0905-115.0005 | -2-12     |          |             |           | 0-303437-06/2/77   | 19           | 6.3  |                 |                                   |          |                      | 6.8 | 38                              |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 4.70               |             |                       |
| 30-68R             | 0967-115.0058 | -2-12     |          |             |           | 0-303438-06/2/77   | 19           | 4.4  |                 |                                   |          |                      | 6.1 | 38                              |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 4.90               |             |                       |
| 30-68R             | 0967-115.0058 | -2-12     |          |             |           | 0-303439-06/2/77   | 19           | 4.4  |                 |                                   |          |                      | 6.1 | 38                              |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 4.70               |             |                       |
| 30-68R             | 0967-115.0058 | -2-12     |          |             |           | 0-303440-06/2/77   | 19           | 4.4  |                 |                                   |          |                      | 6.1 | 38                              |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 4.70               |             |                       |
| 30-68R             | 0967-115.0058 | -2-12     |          |             |           | 0-303441-06/2/77   | 19           | 4.4  |                 |                                   |          |                      | 6.1 | 38                              |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 4.70               |             |                       |
| 30-68R             | 0967-115.0058 | -2-12     |          |             |           | 0-303442-06/2/77   | 19           | 4.4  |                 |                                   |          |                      | 6.1 | 38                              |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 4.70               |             |                       |
| 30-68R             | 0967-115.0058 | -2-12     |          |             |           | 0-303443-06/2/77   | 19           | 4.4  |                 |                                   |          |                      | 6.1 | 38                              |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 4.70               |             |                       |
| 30-68R             | 0967-115.0058 | -2-12     |          |             |           | 0-303444-06/2/77   | 19           | 4.4  |                 |                                   |          |                      | 6.1 | 38                              |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 4.70               |             |                       |
| 30-68R             | 0967-115.0058 | -2-12     |          |             |           | 0-303445-06/2/77   | 19           | 4.4  |                 |                                   |          |                      | 6.1 | 38                              |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 4.70               |             |                       |
| 30-68R             | 0967-115.0058 | -2-12     |          |             |           | 0-303446-06/2/77   | 19           | 4.4  |                 |                                   |          |                      | 6.1 | 38                              |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 4.70               |             |                       |
| 30-68R             | 0967-115.0058 | -2-12     |          |             |           | 0-303447-06/2/77   | 19           | 4.4  |                 |                                   |          |                      | 6.1 | 38                              |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 4.70               |             |                       |
| 30-68R             | 0967-115.0058 | -2-12     |          |             |           | 0-303448-06/2/77   | 19           | 4.4  |                 |                                   |          |                      | 6.1 | 38                              |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 4.70               |             |                       |
| 30-68R             | 0967-115.0058 | -2-12     |          |             |           | 0-303449-06/2/77   | 19           | 4.4  |                 |                                   |          |                      | 6.1 | 38                              |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 4.70               |             |                       |
| 30-68R             | 0967-115.0058 | -2-12     |          |             |           | 0-303450-06/2/77   | 19           | 4.4  |                 |                                   |          |                      | 6.1 | 38                              |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   | 4.70               |             |                       |
| 30-68R             | 0967-115.0058 | -2-12     |          |             |           | 0-303451-06/2/77   | 19           | 4.4  |                 |                                   |          |                      |     |                                 |                         |           |            |               |                |                 |             |             |                |                 |                    |        |         |           |             |           |                        |                   |                    |             |                       |



## LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| STATE | ERDA SAMPLE NUMBER |           |                      | ERDA LAB SAMPLE TYPE | REPLICATE | LASL SAMPLE NUMBER AND FIELD DATA |      |                 | PH  | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLOMETER (nug) | LASL SAMPLE NUMBER AND FIELD DATA |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |              |           | U CONCENTRATION        |                   |                    |  |  |
|-------|--------------------|-----------|----------------------|----------------------|-----------|-----------------------------------|------|-----------------|-----|---------------------------------|----------------------|-----------------------------------|----------|----------------------|-----------|------------|---------------|----------------|------------|-------------|-------------|----------------|-----------------|--------------------|--------|---------|--------------|-----------|------------------------|-------------------|--------------------|--|--|
|       | LATITUDE           | LONGITUDE | LASL SAMPLE NUMBER   |                      |           | TIME SAMPLED                      |      | AIR TEMPERATURE |     |                                 |                      | WATER TEMPERATURE                 | COMMENTS | SPECIAL MEASUREMENTS | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | SAMPLE TYPES<br>10 µg<br>WATER<br>IN CMB | SAMPLE TYPES<br>10 µg<br>WATER<br>IN CMB |
|       |                    |           |                      |                      |           | DATE                              | HOUR |                 |     |                                 |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         |              |           |                        |                   |                    |  |  |
| 30-4A | 1072-115.5588      | -7-12     | 0-303494-0A/03/74-17 | 9                    | 5.0       |                                   |      | 5.5             | 11  | 0-2-7-2-6-4-3-1-2-1-6-5-3-1     |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 4.00         |           |                        |                   |                    |  |  |
| 30-4A | 1388-115.5355      | -7-12     | 0-303495-0A/03/74-17 | 9                    | 4.7       |                                   |      | 5.2             | 11  | 12-2-7-1-6-4-3-1-2-1-6-5-3-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 3.80         |           |                        |                   |                    |  |  |
| 30-4A | 1388-115.5336      | -7-12     | 0-303496-0A/03/74-17 | 10                   | 7.7       |                                   |      | 5.4             | 21  | 12-2-7-2-6-4-3-1-2-1-6-5-3-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 4.00         |           |                        |                   |                    |  |  |
| 30-4A | 1494-115.5275      | -7-12     | 0-303497-0A/03/74-18 | 10                   | 4.6       |                                   |      | 5.8             | 17  | 9-2-7-2-6-3-3-1-2-2-1-5-3-1     |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 4.80         |           |                        |                   |                    |  |  |
| 30-4A | 1502-115.5211      | -2-12     | 0-303498-0A/03/74-18 | 11                   | 6.1       |                                   |      | 5.2             | 20  | 9-2-7-2-6-4-3-1-2-1-7-5-2-1     |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 3.90         |           |                        |                   |                    |  |  |
| 30-4A | 4255-115.4113      | -7-12     | 0-303499-0A/08/74-11 | 17                   | 11.2      |                                   |      | 7.6             | 373 | 15-2-6-1-6-3-3-1-2-2-4-5-2-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 2.20         |           |                        |                   |                    |  |  |
| 30-4A | 4416-115.4250      | -7-12     | 0-303700-0A/08/74-11 | 17                   | 11.8      |                                   |      | 7.8             | 325 | 9-2-7-3-6-3-3-1-2-1-7-5-2-1     |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 3.20         |           |                        |                   |                    |  |  |
| 30-4A | 3892-114.6994      | -7-12     | 0-303701-0A/27/74-16 | 17                   | 7.5       |                                   |      | 6.1             | 180 | 14-1-1-6-1-3-3-1-2-1-7-3-2-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 4.90         |           |                        |                   |                    |  |  |
| 30-4A | 3722-114.6816      | -7-12     | 0-303702-0A/27/74-16 | 17                   | 9.2       |                                   |      | 5.0             | 110 | 10-1-1-6-6-4-4-1-3-3-3-2-2-3    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 5.20         |           |                        |                   |                    |  |  |
| 30-4A | 3558-114.7094      | -7-15     | 0-303703-0A/27/74-17 | 19                   |           |                                   |      |                 |     | 12-1-1-5-6-1-1-2-1-9-6-2-1      |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 6.50         |           |                        |                   |                    |  |  |
| 30-4A | 3519-114.6947      | -7-12     | 0-303704-0A/27/74-18 | 16                   | 8.2       |                                   |      | 6.1             | 220 | 14-1-1-6-8-4-4-1-2-1-2-6-6-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 3.30         |           |                        |                   |                    |  |  |
| 30-4A | 3516-114.7233      | -2-11     | 0-303705-0A/27/74-19 | 13                   | 9.5       |                                   |      | 5.0             | 120 | 18-1-1-3-6-2-3-1-2-1-7-3-6-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 4.10         |           |                        |                   |                    |  |  |
| 30-4A | 3244-114.7427      | -7-12     | 0-303706-0A/27/74-19 | 17                   | 5.2       |                                   |      | 6.3             | 190 | 18-1-1-3-6-4-4-1-2-1-6-6-6-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 4.10         |           |                        |                   |                    |  |  |
| 30-4A | 3894-114.6219      | -2-12     | 0-303707-0A/27/74-20 | 14                   | 8.0       |                                   |      | 6.3             | 280 | 17-1-1-3-6-3-3-1-2-1-7-3-7-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 2.80         |           |                        |                   |                    |  |  |
| 30-4A | 3969-114.6516      | -7-12     | 0-303708-0A/27/74-20 | 14                   | 8.0       |                                   |      | 6.3             | 300 | 15-1-1-6-6-3-3-1-2-1-6-3-2-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 2.60         |           |                        |                   |                    |  |  |
| 30-4A | 3969-114.6525      | -7-12     | 0-303709-0A/27/74-21 | 13                   | 10.0      |                                   |      | 5.0             | 416 | 7-1-1-6-6-2-3-2-3-1-4-2-2-1     |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 3.50         |           |                        |                   |                    |  |  |
| 30-4A | 3602-114.6561      | -7-12     | 0-303710-0A/27/74-21 | 13                   | 6.2       |                                   |      | 6.5             | 320 | 9-1-1-3-6-4-3-1-2-1-6-3-2-1     |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 2.70         |           |                        |                   |                    |  |  |
| 30-4A | 3591-114.6244      | -2-12     | 0-303711-0A/27/74-21 | 13                   | 8.2       |                                   |      | 6.3             | 330 | 18-1-1-6-8-4-3-1-2-1-6-3-6-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 2.70         |           |                        |                   |                    |  |  |
| 30-4A | 4819-114.5338      | -7-12     | 0-303712-0A/28/74-13 | 13                   | 9.1       |                                   |      | 6.1             | 180 | 12-1-1-3-5-6-4-1-2-1-6-3-2-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 2.80         |           |                        |                   |                    |  |  |
| 30-4A | 4466-114.6283      | -7-12     | 0-303713-0A/28/74-13 | 12                   | 10.5      |                                   |      | 5.9             | 135 | 15-1-1-3-6-4-4-1-3-1-4-2-2-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 2.80         |           |                        |                   |                    |  |  |
| 30-4A | 4369-114.6338      | -7-12     | 0-303714-0A/28/74-15 | 13                   | 11.8      |                                   |      | 6.2             | 80  | 17-1-1-3-6-3-3-1-2-1-6-3-2-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 5.70         |           |                        |                   |                    |  |  |
| 30-4A | 3266-114.6408      | -7-12     | 0-303715-0A/28/74-16 | 9                    | 8.0       |                                   |      | 6.1             | 210 | 17-1-1-3-6-4-3-1-2-1-6-3-2-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 3.50         |           |                        |                   |                    |  |  |
| 30-4A | 2922-114.6508      | -7-12     | 0-303716-0A/28/74-16 | 9                    | 5.0       |                                   |      | 6.6             | 175 | 15-1-1-3-6-4-3-1-2-1-7-6-2-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 3.40         |           |                        |                   |                    |  |  |
| 30-4A | 3272-114.6555      | -2-12     | 0-303717-0A/28/74-17 | 8                    | 6.8       |                                   |      | 6.1             | 180 | 4-1-1-3-6-6-3-1-2-1-6-4-2-1     |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 3.70         |           |                        |                   |                    |  |  |
| 30-4A | 3027-114.6408      | -7-12     | 0-303718-0A/28/74-17 | 7                    | 8.1       |                                   |      | 6.3             | 355 | 12-1-1-5-6-4-3-1-2-1-6-3-2-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 2.00         |           |                        |                   |                    |  |  |
| 30-4A | 0033-115.1686      | -7-12     | 0-303719-0A/21/74-11 | 9                    | 12.0      |                                   |      | 6.5             | 185 | 4-1-1-3-6-3-3-1-2-1-7-3-2-1     |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 4.80         |           |                        |                   |                    |  |  |
| 30-4A | 0241-115.1919      | -2-12     | 0-303720-0A/21/74-11 | 10                   | 7.8       |                                   |      | 6.3             | 170 | 9-1-1-3-6-2-3-1-2-1-7-3-2-1     |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 4.10         |           |                        |                   |                    |  |  |
| 30-4A | 0247-115.1914      | -2-12     | 0-303721-0A/21/74-11 | 8                    | 7.3       |                                   |      | 6.2             | 110 | 7-1-1-3-6-3-3-1-2-1-7-3-2-1     |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 3.70         |           |                        |                   |                    |  |  |
| 30-4A | 0052-115.2230      | -2-12     | 0-303722-0A/21/74-12 | 9                    | 9.2       |                                   |      | 6.4             | 160 | 18-1-1-3-6-1-2-1-3-1-3-2-4-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 4.90         |           |                        |                   |                    |  |  |
| 30-4A | 0188-115.2447      | -7-12     | 0-303723-0A/21/74-19 | 12                   | 11.5      |                                   |      | 6.4             | 170 | 23-1-1-3-1-3-3-5-2-1-4-3-2-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 3.70         |           |                        |                   |                    |  |  |
| 30-4A | 0425-115.2113      | -7-12     | 0-303724-0A/21/74-13 | 10                   | 8.8       | C                                 |      | 6.8             | 192 | 18-1-1-7-1-3-3-1-2-1-7-2-2-3    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 3.70         |           |                        |                   |                    |  |  |
| 30-4A | 0647-115.2094      | -7-12     | 0-303725-0A/21/74-13 | 14                   | 9.5       |                                   |      | 6.3             | 155 | 10-1-1-6-6-2-3-1-3-1-7-2-2-3    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 3.80         |           |                        |                   |                    |  |  |
| 30-4A | 0794-115.2408      | -7-11     | 0-303726-0A/21/74-14 | 12                   | 8.5       |                                   |      | 6.3             | 190 | 12-1-1-3-6-2-3-1-2-3-2-6-2-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 4.20         |           |                        |                   |                    |  |  |
| 30-4A | 0875-115.2150      | -7-12     | 0-303727-0A/21/74-15 | 12                   | 13.8      |                                   |      | 6.2             | 185 | 17-1-1-6-8-1-2-1-3-1-7-2-2-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 4.50         |           |                        |                   |                    |  |  |
| 30-4A | 1063-115.1800      | -7-12     | 0-303728-0A/21/74-15 | 10                   | 6.9       | C                                 |      | 6.3             | 110 | 14-1-1-6-6-3-3-1-2-1-7-2-2-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 12.70        |           |                        |                   |                    |  |  |
| 30-4A | 1094-115.1561      | -2-12     | 0-303729-0A/21/74-16 | 7                    | 7.0       |                                   |      | 6.0             | 60  | 12-1-1-6-6-3-3-1-2-3-4-6-2-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 5.80         |           |                        |                   |                    |  |  |
| 30-4A | 1013-115.1280      | -2-12     | 0-303730-0A/21/74-16 | 11                   | 12.8      |                                   |      | 6.5             | 410 | 12-1-1-3-6-3-6-1-2-1-7-3-2-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 2.80         |           |                        |                   |                    |  |  |
| 30-4A | 1205-115.1272      | -7-12     | 0-303731-0A/21/74-16 | 10                   | 7.2       |                                   |      | 6.2             | 31  | 21-1-1-3-6-4-3-1-2-1-7-2-2-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 5.60         |           |                        |                   |                    |  |  |
| 30-4A | 1155-115.0986      | -2-12     | 0-303732-0A/21/74-17 | 9                    | 5.8       |                                   |      | 6.3             | 220 | 7-1-1-3-6-4-4-1-2-1-7-6-1-1     |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 2.80         |           |                        |                   |                    |  |  |
| 30-4A | 0541-115.0763      | -2-12     | 0-303733-0A/21/74-18 | 10                   | 14.2      |                                   |      | 6.4             | 480 | 9-1-1-6-6-3-4-1-2-1-7-2-4-1     |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 2.30         |           |                        |                   |                    |  |  |
| 30-4A | 0427-115.0822      | -2-12     | 0-303734-0A/21/74-18 | 10                   | 9.9       |                                   |      | 6.2             | 340 | 10-1-1-3-7-3-6-1-2-1-7-2-3-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 3.10         |           |                        |                   |                    |  |  |
| 30-4A | 0325-115.0977      | -7-12     | 0-303735-0A/21/74-18 | 9                    | 14.8      |                                   |      | 6.2             | 245 | 14-1-1-6-6-2-4-1-3-1-3-2-3-0    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 3.40         |           |                        |                   |                    |  |  |
| 30-4A | 0358-115.0022      | -7-12     | 0-303736-0A/21/74-18 | 8                    | 8.5       |                                   |      | 6.2             | 91  | 10-1-1-6-6-3-4-1-2-1-7-2-3-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 3.90         |           |                        |                   |                    |  |  |
| 30-4A | 0497-115.0111      | -2-12     | 0-303737-0A/21/74-19 | 8                    | 6.1       |                                   |      | 5.8             | 80  | 15-1-1-3-6-3-3-1-2-1-7-3-4-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 3.60         |           |                        |                   |                    |  |  |
| 30-4A | 0597-115.0208      | -7-12     | 0-303738-0A/21/74-19 | 7                    | 6.1       |                                   |      | 5.9             | 40  | 17-1-1-3-6-4-3-1-2-1-8-3-3-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 9.30         |           |                        |                   |                    |  |  |
| 30-4A | 0188-114.7883      | -2-12     | 0-303739-0A/03/74-13 | 7                    | 6.2       |                                   |      | 5.7             | 54  | 4-1-1-6-6-3-3-1-2-1-7-2-3-1     |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 2.80         |           |                        |                   |                    |  |  |
| 30-4A | 0111-114.8141      | -2-14     | 0-303740-0A/03/74-13 | 6                    | 11.2      |                                   |      | 5.9             | 51  | 14-1-1-6-3-1-3-2-3-1-3-3-3-1    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 3.80         |           |                        |                   |                    |  |  |
| 30-4A | 0802-114.8455      | -7-12     | 0-303741-0A/03/74-14 | 4                    | 11.2      |                                   |      | 6.0             | 210 | 9-1-1-6-6-2-4-1-3-6-4-2-3-3     |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 4.90         |           |                        |                   |                    |  |  |
| 30-4A | 0811-114.8300      | -7-12     | 0-303742-0A/03/74-14 | 9                    | 12.0      |                                   |      | 6.5             | 325 | 9-1-1-3-6-1-1-2-2-3-6-4-2-4-3   |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 3.40         |           |                        |                   |                    |  |  |
| 30-4A | 0752-114.8013      | -2-12     | 0-303743-0A/03/74-15 | 6                    | 12.0      |                                   |      | 6.2             | 245 | 18-1-1-6-6-2-3-2-3-4-6-2-6-3    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 3.80         |           |                        |                   |                    |  |  |
| 30-4A | 1129-114.7969      | -2-12     | 0-303744-0A/03/74-16 | 6                    | 10.0      |                                   |      | 6.1             | 82  | 12-1-1-6-6-2-3-1-3-4-3-2-4-3    |                      |                                   |          |                      |           |            |               |                |            |             |             |                |                 |                    |        |         | 2.60         |           |                        |                   |                    |  |  |

LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| STATE | LATITUDE          | LONGITUDE | EPA LAB | SAMPLE TYPE | REPLICATE | LASL SAMPLE NUMBER   | TIME SAMPLED |          | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | pH  | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLOMETER (cpm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | VEGETATION TYPE | VEGETATION DENSITY | RELIEF    | WEATHER   | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | U CONCENTRATION |               |
|-------|-------------------|-----------|---------|-------------|-----------|----------------------|--------------|----------|-----------------|-------------------|----------|----------------------|-----|---------------------------------|----------------------|-----------|------------|---------------|----------------|------------|-------------|-------------|-----------------|--------------------|-----------|-----------|-----------|--------------|-----------|------------------------|-------------------|--------------------|-----------------|---------------|
|       |                   |           |         |             |           |                      | DATE         | HOUR     |                 |                   |          |                      |     |                                 |                      |           |            |               |                |            |             |             |                 |                    |           |           |           |              |           |                        |                   |                    | SAMPLE TYPE     | CONCENTRATION |
| 30-48 | 1175-11.8475-2-15 |           |         |             |           | 0-303749-06/23/74-17 |              | 8        |                 |                   |          | 6.2                  | 175 | 121                             | 1-1-6-3              | 1-2-1-6-3 | 1-2-1-6-3  | 1-2-1-6-3     | 1-2-1-6-3      | 1-2-1-6-3  | 1-2-1-6-3   | 1-2-1-6-3   | 1-2-1-6-3       | 1-2-1-6-3          | 1-2-1-6-3 | 1-2-1-6-3 | 1-2-1-6-3 | 1-2-1-6-3    | 1-2-1-6-3 | 1-2-1-6-3              | 1-2-1-6-3         | 4.20               | 4.60            |               |
| 30-48 | 1077-11.8577-2-15 |           |         |             |           | 0-303749-06/23/74-17 |              | 7-14.0   |                 |                   |          | 6.2                  | 175 | 17-1-1-6-2                      | 1-2-1-6-2            | 1-2-1-6-2 | 1-2-1-6-2  | 1-2-1-6-2     | 1-2-1-6-2      | 1-2-1-6-2  | 1-2-1-6-2   | 1-2-1-6-2   | 1-2-1-6-2       | 1-2-1-6-2          | 1-2-1-6-2 | 1-2-1-6-2 | 1-2-1-6-2 | 1-2-1-6-2    | 1-2-1-6-2 | 1-2-1-6-2              | 4.60              | 14.00              |                 |               |
| 30-48 | 1069-11.8587-2-12 |           |         |             |           | 0-303750-06/23/74-18 |              | 7-12.5   |                 |                   |          | 6.1                  | 195 | 4-1-1-5-2                       | 1-2-1-5-2            | 1-2-1-5-2 | 1-2-1-5-2  | 1-2-1-5-2     | 1-2-1-5-2      | 1-2-1-5-2  | 1-2-1-5-2   | 1-2-1-5-2   | 1-2-1-5-2       | 1-2-1-5-2          | 1-2-1-5-2 | 1-2-1-5-2 | 1-2-1-5-2 | 1-2-1-5-2    | 1-2-1-5-2 | 1-2-1-5-2              | 3.10              | 2.90               |                 |               |
| 30-48 | 1063-11.8597-2-12 |           |         |             |           | 0-303751-06/23/74-18 |              | 8        |                 |                   |          | 5.4                  | 26  | 7-1-1-6-2                       | 1-2-1-6-2            | 1-2-1-6-2 | 1-2-1-6-2  | 1-2-1-6-2     | 1-2-1-6-2      | 1-2-1-6-2  | 1-2-1-6-2   | 1-2-1-6-2   | 1-2-1-6-2       | 1-2-1-6-2          | 1-2-1-6-2 | 1-2-1-6-2 | 1-2-1-6-2 | 1-2-1-6-2    | 1-2-1-6-2 | 1-2-1-6-2              | 3.10              | 3.90               |                 |               |
| 30-48 | 1013-11.8608-2-12 |           |         |             |           | 0-303752-06/23/74-18 |              | 8-10.4   |                 |                   |          | 5.7                  | 48  | 15-1-1-6-2                      | 1-2-1-6-2            | 1-2-1-6-2 | 1-2-1-6-2  | 1-2-1-6-2     | 1-2-1-6-2      | 1-2-1-6-2  | 1-2-1-6-2   | 1-2-1-6-2   | 1-2-1-6-2       | 1-2-1-6-2          | 1-2-1-6-2 | 1-2-1-6-2 | 1-2-1-6-2 | 1-2-1-6-2    | 1-2-1-6-2 | 1-2-1-6-2              | 3.70              | 3.70               |                 |               |
| 30-48 | 1108-11.9019-2-12 |           |         |             |           | 0-303753-06/23/74-20 |              | 8-12.0   |                 |                   |          | 5.8                  | 60  | 2-1-1-6-2                       | 1-2-1-6-2            | 1-2-1-6-2 | 1-2-1-6-2  | 1-2-1-6-2     | 1-2-1-6-2      | 1-2-1-6-2  | 1-2-1-6-2   | 1-2-1-6-2   | 1-2-1-6-2       | 1-2-1-6-2          | 1-2-1-6-2 | 1-2-1-6-2 | 1-2-1-6-2 | 1-2-1-6-2    | 1-2-1-6-2 | 1-2-1-6-2              | 3.30              | 3.50               |                 |               |
| 30-48 | 1163-11.9255-2-12 |           |         |             |           | 0-303754-06/23/74-21 |              | 8-18.5   |                 |                   |          | 5.7                  | 27  | 10-1-1-6-3                      | 1-2-1-6-3            | 1-2-1-6-3 | 1-2-1-6-3  | 1-2-1-6-3     | 1-2-1-6-3      | 1-2-1-6-3  | 1-2-1-6-3   | 1-2-1-6-3   | 1-2-1-6-3       | 1-2-1-6-3          | 1-2-1-6-3 | 1-2-1-6-3 | 1-2-1-6-3 | 1-2-1-6-3    | 1-2-1-6-3 | 1-2-1-6-3              | 3.00              | 3.00               |                 |               |
| 30-48 | 1066-11.9272-2-12 |           |         |             |           | 0-303755-06/23/74-21 |              | 6        |                 |                   |          | 5.4                  | 13  | 9-1-1-6-3                       | 1-2-1-6-3            | 1-2-1-6-3 | 1-2-1-6-3  | 1-2-1-6-3     | 1-2-1-6-3      | 1-2-1-6-3  | 1-2-1-6-3   | 1-2-1-6-3   | 1-2-1-6-3       | 1-2-1-6-3          | 1-2-1-6-3 | 1-2-1-6-3 | 1-2-1-6-3 | 1-2-1-6-3    | 1-2-1-6-3 | 1-2-1-6-3              | 3.00              | 3.00               |                 |               |
| 30-48 | 1018-11.9772-2-15 |           |         |             |           | 0-303756-06/24/74-12 |              | 8        |                 |                   |          | 5.7                  | 92  | 15-1-1-6-3                      | 1-2-1-6-3            | 1-2-1-6-3 | 1-2-1-6-3  | 1-2-1-6-3     | 1-2-1-6-3      | 1-2-1-6-3  | 1-2-1-6-3   | 1-2-1-6-3   | 1-2-1-6-3       | 1-2-1-6-3          | 1-2-1-6-3 | 1-2-1-6-3 | 1-2-1-6-3 | 1-2-1-6-3    | 1-2-1-6-3 | 1-2-1-6-3              | 5.00              | 5.00               |                 |               |
| 30-48 | 0297-11.9375-2-15 |           |         |             |           | 0-303757-06/24/74-12 |              | 8        |                 |                   |          | 5.7                  | 19  | 17-1-1-6-3                      | 1-2-1-6-3            | 1-2-1-6-3 | 1-2-1-6-3  | 1-2-1-6-3     | 1-2-1-6-3      | 1-2-1-6-3  | 1-2-1-6-3   | 1-2-1-6-3   | 1-2-1-6-3       | 1-2-1-6-3          | 1-2-1-6-3 | 1-2-1-6-3 | 1-2-1-6-3 | 1-2-1-6-3    | 1-2-1-6-3 | 1-2-1-6-3              | 3.40              | 3.40               |                 |               |
| 30-48 | 0233-11.9219-2-12 |           |         |             |           | 0-303758-06/24/74-13 |              | 8        |                 |                   |          | 5.7                  | 19  | 17-1-1-6-3                      | 1-2-1-6-3            | 1-2-1-6-3 | 1-2-1-6-3  | 1-2-1-6-3     | 1-2-1-6-3      | 1-2-1-6-3  | 1-2-1-6-3   | 1-2-1-6-3   | 1-2-1-6-3       | 1-2-1-6-3          | 1-2-1-6-3 | 1-2-1-6-3 | 1-2-1-6-3 | 1-2-1-6-3    | 1-2-1-6-3 | 1-2-1-6-3              | 1-2-1-6-3         | 16.70              | 16.70           |               |
| 30-48 | 1275-11.9350-2-12 |           |         |             |           | 0-303760-06/24/74-15 |              | 12       |                 |                   |          | 5.4                  | 13  | 9-1-1-6-3                       | 1-2-1-6-3            | 1-2-1-6-3 | 1-2-1-6-3  | 1-2-1-6-3     | 1-2-1-6-3      | 1-2-1-6-3  | 1-2-1-6-3   | 1-2-1-6-3   | 1-2-1-6-3       | 1-2-1-6-3          | 1-2-1-6-3 | 1-2-1-6-3 | 1-2-1-6-3 | 1-2-1-6-3    | 1-2-1-6-3 | 1-2-1-6-3              | 3.30              | 3.30               |                 |               |
| 30-48 | 1316-11.9172-2-11 |           |         |             |           | 0-303761-06/24/74-15 |              | 12-14.0  |                 |                   |          | 6.0                  | 105 | 10-1-1-6-2                      | 1-2-1-6-2            | 1-2-1-6-2 | 1-2-1-6-2  | 1-2-1-6-2     | 1-2-1-6-2      | 1-2-1-6-2  | 1-2-1-6-2   | 1-2-1-6-2   | 1-2-1-6-2       | 1-2-1-6-2          | 1-2-1-6-2 | 1-2-1-6-2 | 1-2-1-6-2 | 1-2-1-6-2    | 1-2-1-6-2 | 1-2-1-6-2              | 6.50              | 6.50               |                 |               |
| 30-48 | 1366-11.9313-2-15 |           |         |             |           | 0-303762-06/24/74-16 |              | 12       |                 |                   |          | 6.1                  | 110 | 10-1-1-6-2                      | 1-2-1-6-2            | 1-2-1-6-2 | 1-2-1-6-2  | 1-2-1-6-2     | 1-2-1-6-2      | 1-2-1-6-2  | 1-2-1-6-2   | 1-2-1-6-2   | 1-2-1-6-2       | 1-2-1-6-2          | 1-2-1-6-2 | 1-2-1-6-2 | 1-2-1-6-2 | 1-2-1-6-2    | 1-2-1-6-2 | 1-2-1-6-2              | 2.00              | 4.10               |                 |               |
| 30-48 | 2416-11.9038-2-12 |           |         |             |           | 0-303763-06/24/74-16 |              | 17-17.8  |                 |                   |          | 6.1                  | 110 | 10-1-1-6-2                      | 1-2-1-6-2            | 1-2-1-6-2 | 1-2-1-6-2  | 1-2-1-6-2     | 1-2-1-6-2      | 1-2-1-6-2  | 1-2-1-6-2   | 1-2-1-6-2   | 1-2-1-6-2       | 1-2-1-6-2          | 1-2-1-6-2 | 1-2-1-6-2 | 1-2-1-6-2 | 1-2-1-6-2    | 1-2-1-6-2 | 1-2-1-6-2              | 2.00              | 4.10               |                 |               |
| 30-48 | 2483-11.9404-2-12 |           |         |             |           | 0-303764-06/24/74-17 |              | 17-20.0  |                 |                   |          | 6.1                  | 181 | 7-1-1-6-2                       | 1-2-1-6-2            | 1-2-1-6-2 | 1-2-1-6-2  | 1-2-1-6-2     | 1-2-1-6-2      | 1-2-1-6-2  | 1-2-1-6-2   | 1-2-1-6-2   | 1-2-1-6-2       | 1-2-1-6-2          | 1-2-1-6-2 | 1-2-1-6-2 | 1-2-1-6-2 | 1-2-1-6-2    | 1-2-1-6-2 | 1-2-1-6-2              | 4.50              | 4.50               |                 |               |
| 30-48 | 2350-11.9805-2-12 |           |         |             |           | 0-303765-06/24/74-17 |              | 16-18.45 |                 |                   |          | 6.4                  | 430 | 14-1-1-6-1                      | 1-2-1-6-1            | 1-2-1-6-1 | 1-2-1-6-1  | 1-2-1-6-1     | 1-2-1-6-1      | 1-2-1-6-1  | 1-2-1-6-1   | 1-2-1-6-1   | 1-2-1-6-1       | 1-2-1-6-1          | 1-2-1-6-1 | 1-2-1-6-1 | 1-2-1-6-1 | 1-2-1-6-1    | 1-2-1-6-1 | 1-2-1-6-1              | 4.30              | 4.30               |                 |               |
| 30-48 | 2252-11.9622-2-13 |           |         |             |           | 0-303766-06/24/74-18 |              | 16       |                 |                   |          | 6.4                  | 430 | 14-1-1-6-1                      | 1-2-1-6-1            | 1-2-1-6-1 | 1-2-1-6-1  | 1-2-1-6-1     | 1-2-1-6-1      | 1-2-1-6-1  | 1-2-1-6-1   | 1-2-1-6-1   | 1-2-1-6-1       | 1-2-1-6-1          | 1-2-1-6-1 | 1-2-1-6-1 | 1-2-1-6-1 | 1-2-1-6-1    | 1-2-1-6-1 | 1-2-1-6-1              | 4.30              | 4.30               |                 |               |
| 30-48 | 2147-11.9844-2-15 |           |         |             |           | 0-303767-06/24/74-18 |              | 16       |                 |                   |          | 6.4                  | 430 | 14-1-1-6-1                      | 1-2-1-6-1            | 1-2-1-6-1 | 1-2-1-6-1  | 1-2-1-6-1     | 1-2-1-6-1      | 1-2-1-6-1  | 1-2-1-6-1   | 1-2-1-6-1   | 1-2-1-6-1       | 1-2-1-6-1          | 1-2-1-6-1 | 1-2-1-6-1 | 1-2-1-6-1 | 1-2-1-6-1    | 1-2-1-6-1 | 1-2-1-6-1              | 4.30              | 4.30               |                 |               |
| 30-48 | 1097-11.9333-2-12 |           |         |             |           | 0-303768-06/24/74-18 |              | 12       |                 |                   |          | 6.4                  | 288 | 15-1-1-6-2                      | 1-2-1-6-2            | 1-2-1-6-2 | 1-2-1-6-2  | 1-2-1-6-2     | 1-2-1-6-2      | 1-2-1-6-2  | 1-2-1-6-2   | 1-2-1-6-2   | 1-2-1-6-2       | 1-2-1-6-2          | 1-2-1-6-2 | 1-2-1-6-2 | 1-2-1-6-2 | 1-2-1-6-2    | 1-2-1-6-2 | 1-2-1-6-2              | 3.40              | 3.40               |                 |               |
| 30-48 | 1091-11.9333-2-12 |           |         |             |           | 0-303769-06/24/74-15 |              | 22-18.8  |                 |                   |          | 6.4                  | 288 | 15-1-1-6-2                      | 1-2-1-6-2            | 1-2-1-6-2 | 1-2-1-6-2  | 1-2-1-6-2     | 1-2-1-6-2      | 1-2-1-6-2  | 1-2-1-6-2   | 1-2-1-6-2   | 1-2-1-6-2       | 1-2-1-6-2          | 1-2-1-6-2 | 1-2-1-6-2 | 1-2-1-6-2 | 1-2-1-6-2    | 1-2-1-6-2 | 1-2-1-6-2              | 3.00              | 3.00               |                 |               |
| 30-48 | 0661-11.9333-2-12 |           |         |             |           | 0-303770-06/24/74-15 |              | 21       |                 |                   |          | 5.7                  | 24  | 20-1-1-6-4                      | 1-2-1-6-4            | 1-2-1-6-4 | 1-2-1-6-4  | 1-2-1-6-4     | 1-2-1-6-4      | 1-2-1-6-4  | 1-2-1-6-4   | 1-2-1-6-4   | 1-2-1-6-4       | 1-2-1-6-4          | 1-2-1-6-4 | 1-2-1-6-4 | 1-2-1-6-4 | 1-2-1-6-4    | 1-2-1-6-4 | 1-2-1-6-4              | 6.40              | 6.40               |                 |               |
| 30-48 | 0661-11.9333-2-13 |           |         |             |           | 0-303771-06/24/74-16 |              | 18-18.0  |                 |                   |          | 6.4                  | 285 | 6-1-1-6-1                       | 1-2-1-6-1            | 1-2-1-6-1 | 1-2-1-6-1  | 1-2-1-6-1     | 1-2-1-6-1      | 1-2-1-6-1  | 1-2-1-6-1   | 1-2-1-6-1   | 1-2-1-6-1       | 1-2-1-6-1          | 1-2-1-6-1 | 1-2-1-6-1 | 1-2-1-6-1 | 1-2-1-6-1    | 1-2-1-6-1 | 1-2-1-6-1              | 1-2-1-6-1         | 3.40               | 3.40            |               |
| 30-48 | 0016-11.9375-2-11 |           |         |             |           | 0-303772-06/24/74-17 |              | 18-15.8  |                 |                   |          | 6.2                  | 284 | 6-1-1-6-1                       | 1-2-1-6-1            | 1-2-1-6-1 | 1-2-1-6-1  | 1-2-1-6-1     | 1-2-1-6-1      | 1-2-1-6-1  | 1-2-1-6-1   | 1-2-1-6-1   | 1-2-1-6-1       | 1-2-1-6-1          | 1-2-1-6-1 | 1-2-1-6-1 | 1-2-1-6-1 | 1-2-1-6-1    | 1-2-1-6-1 | 1-2-1-6-1              | 1-2-1-6-1         | 3.40               | 3.40            |               |
| 30-48 | 0180-11.9391-2-12 |           |         |             |           | 0-303773-06/24/74-17 |              | 18-15.5  |                 |                   |          | 6.5                  | 140 | 14-1-1-6-3                      | 1-2-1-6-3            | 1-2-1-6-3 | 1-2-1-6-3  | 1-2-1-6-3     | 1-2-1-6-3      | 1-2-1-6-3  | 1-2-1-6-3   | 1-2-1-6-3   | 1-2-1-6-3       | 1-2-1-6-3          | 1-2-1-6-3 | 1-2-1-6-3 | 1-2-1-6-3 | 1-2-1-6-3    | 1-2-1-6-3 | 1-2-1-6-3              | 1-2-1-6-3         | 5.10               | 5.10            |               |
| 30-48 | 0316-11.1222-2-12 |           |         |             |           | 0-303774-06/24/74-18 |              | 24-23.0  |                 |                   |          | 6.4                  | 180 | 14-1-1-6-1                      | 1-2-1-6-1            | 1-2-1-6-1 | 1-2-1-6-1  | 1-2-1-6-1     | 1-2-1-6-1      | 1-2-1-6-1  | 1-2-1-6-1   | 1-2-1-6-1   | 1-2-1-6-1       | 1-2-1-6-1          | 1-2-1-6-1 | 1-2-1-6-1 | 1-2-1-6-1 | 1-2-1-6-1    | 1-2-1-6-1 | 1-2-1-6-1              | 1-2-1-6-1         | 5.10               | 5.10            |               |
| 30-48 | 0152-11.1122-2-12 |           |         |             |           | 0-303775-06/24/74-18 |              | 22-15.8  |                 |                   |          | 6.4                  | 185 | 14-1-1-6-2                      | 1-2-1-6-2            | 1-2-1-6-2 | 1-2-1-6-2  | 1-2-1-6-2     | 1-2-1-6-2      | 1-2-1-6-2  | 1-2-1-6-2   | 1-2-1-6-2   | 1-2-1-6-2       | 1-2-1-6-2          | 1-2-1-6-2 | 1-2-1-6-2 | 1-2-1-6-2 | 1-2-1-6-2    | 1-2-1-6-2 | 1-2-1-6-2              | 1-2-1-6-2         | 5.10               | 5.10            |               |
| 30-48 | 0316-11.1127-2-12 |           |         |             |           | 0-303776-06/24/74-18 |              | 19-11.7  |                 |                   |          | 6.4                  | 111 | 14-1-1-6-3                      | 1-2-1-6-3            | 1-2-1-6-3 | 1-2-1-6-3  | 1-2-1-6-3     | 1-2-1-6-3      | 1-2-1-6-3  | 1-2-1-6-3   | 1-2-1-6-3   | 1-2-1-6-3       | 1-2-1-6-3          | 1-2-1-6-3 | 1-2-1-6-3 | 1-2-1-6-3 | 1-2-1-6-3    | 1-2-1-6-3 | 1-2-1-6-3              | 1-2-1-6-3         | 5.90               | 5.90            |               |
| 30-48 | 0541-11.9255-2-11 |           |         |             |           | 0-303777-06/24/74-19 |              | 14-12.0  |                 |                   |          | 5.4                  | 16  | 20-1-1-6-4                      | 1-2-                 |           |            |               |                |            |             |             |                 |                    |           |           |           |              |           |                        |                   |                    |                 |               |

# LAST Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| ERDA SAMPLE NUMBER |      |           | LATITUDE | LONGITUDE | ERDA LAB | SAMPLE TYPE | REPLICATE | LAST SAMPLE NUMBER | TIME SAMPLED |       | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | PH  | SPECIFIC CONDUCTANCE (umhos/cm) | SCINTILLOMETER (cpm) | ROCK TYPE | GOOK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DEPTH (FEET) | WELL DIAMETER (INCHES) | WATER DEPTH (FEET) | U CONCENTRATION |     |
|--------------------|------|-----------|----------|-----------|----------|-------------|-----------|--------------------|--------------|-------|-----------------|-------------------|----------|----------------------|-----|---------------------------------|----------------------|-----------|------------|---------------|----------------|------------|-------------|-------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|-------------------|------------------------|--------------------|-----------------|-----|
| STATE              | DATE | HOUR      |          |           |          |             |           |                    | TYPE         | DEPTH |                 |                   |          |                      |     |                                 |                      |           |            |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    | IN              | OUT |
| 30-48              | 5116 | -114.6292 | -12      | 0-304800  | 05/25/74 | 10          | 9         | 9.2                | -            | 6.4   | 300             | 0-4               | 5-6      | 2-5                  | 2-1 | 2-5                             | 2-2                  | 8         | 2.70       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 5036 | -114.6200 | -2-12    | 0-304805  | 05/25/74 | 10          | 9         | 6.2                | -            | 6.4   | 240             | 15                | 1-7      | 4-6                  | 4-1 | 1-2                             | 4-2                  | 2-8       | 2.10       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 5208 | -114.6777 | -12      | 0-304905  | 05/25/74 | 10          | 7         | 6.2                | -            | 6.4   | 250             | 16                | 1-7      | 3-6                  | 4-1 | 1-2                             | 4-2                  | 2-8       | 2.90       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 5413 | -114.7315 | -2-12    | 0-304905  | 05/25/74 | 11          | 8         | 5.0                | -            | 6.4   | 225             | 9                 | 3-7      | 3-6                  | 4-1 | 1-2                             | 4-2                  | 2-8       | 3.70       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 5305 | -114.7491 | -2-12    | 0-303907  | 05/25/74 | 11          | 7         | 5.1                | -            | 6.4   | 255             | 9                 | 3-7      | 3-2                  | 4-1 | 1-2                             | 3-2                  | 2-8       | 3.70       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 5597 | -114.6991 | -2-12    | 0-303908  | 05/25/74 | 11          | 9         | 6.2                | -            | 5.9   | 250             | 9                 | 3-7      | 5-1                  | 6-4 | 1-1                             | 2-2                  | 2-5       | 2.90       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 5735 | -114.6951 | -2-12    | 0-303909  | 05/25/74 | 11          | 9         | 6.2                | -            | 6.4   | 310             | 9                 | 3-7      | 5-6                  | 1-1 | 2-2                             | 4-3                  | 2-5       | 2.20       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 5753 | -114.6702 | -2-12    | 0-303910  | 05/25/74 | 12          | 14        | 8.1                | -            | 6.8   | 260             | 9                 | 3-1      | 3-1                  | 3-1 | 1-2                             | 4-3                  | 2-5       | 2.20       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 5538 | -114.6558 | -2-12    | 0-303911  | 05/25/74 | 12          | 11        | 6.2                | -            | 7.4   | 260             | 4                 | 3-1      | 4-7                  | 6-4 | 2-1                             | 1-4                  | 2-2       | 2.40       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 5589 | -114.5589 | -2-12    | 0-303912  | 05/25/74 | 13          | 12        | 11.1               | C            | 7.2   | 280             | 15                | 3-1      | 5-8                  | 3-1 | 1-2                             | 4-2                  | 2-8       | 6.00       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 6093 | -114.5081 | -2-12    | 0-303913  | 05/25/74 | 14          | 9         | 6.5                | -            | 6.4   | 90              | 13                | 1-7      | 3-6                  | 4-1 | 1-4                             | 3-2                  | 2-8       | 4.20       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 6088 | -114.5152 | -2-12    | 0-303914  | 05/25/74 | 14          | 9         | 5.5                | -            | 6.4   | 130             | 13                | 1-7      | 4-7                  | 5-3 | 1-4                             | 3-2                  | 2-8       | 3.60       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 6280 | -114.5544 | -2-12    | 0-303915  | 05/25/74 | 15          | 5         | 9.4                | -            | 6.7   | 120             | 0                 | 1-1      | 5-7                  | 6-4 | 1-1                             | 2-3                  | 3-8       | 3.50       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 6258 | -114.5261 | -2-12    | 0-303916  | 05/25/74 | 15          | 5         | 5.1                | -            | 5.0   | 308             | 1                 | 1-1      | 4-7                  | 4-4 | 1-1                             | 4-3                  | 2-5       | 15.30      |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 6550 | -114.5486 | -2-12    | 0-303917  | 05/25/74 | 15          | 7         | 4.1                | -            | 5.0   | 45              | 12                | 1-1      | 3-7                  | 4-4 | 1-1                             | 4-4                  | 2-5       | 3.10       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 6677 | -114.5834 | -2-12    | 0-303918  | 05/25/74 | 15          | 7         | 5.1                | -            | 6.4   | 245             | 12                | 1-1      | 6-3                  | 6-4 | 1-1                             | 4-4                  | 2-5       | 3.90       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 6896 | -114.5727 | -2-13    | 0-303919  | 05/25/74 | 15          | 8         | 6.4                | -            | 6.4   | 85              | 12                | 1-1      | 6-3                  | 6-4 | 1-1                             | 4-4                  | 2-5       | 5.00       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 7016 | -114.5816 | -2-12    | 0-303920  | 05/25/74 | 16          | 6         | 4.2                | -            | 6.3   | 300             | 10                | 1-1      | 5-3                  | 6-5 | 2-1                             | 2-4                  | 2-5       | 4.30       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 7211 | -114.5894 | -2-12    | 0-303922  | 05/25/74 | 16          | 5         | 3.3                | -            | 5.0   | 255             | 12                | 1-1      | 4-7                  | 6-4 | 1-1                             | 3-2                  | 4-5       | 3.10       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 7363 | -114.5730 | -2-12    | 0-303923  | 05/25/74 | 16          | 5         | 4.1                | -            | 5.4   | 185             | 23                | 1-1      | 4-6                  | 6-4 | 1-1                             | 3-4                  | 2-5       | 5.30       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 5777 | -114.5589 | -2-13    | 0-303924  | 05/26/74 | 10          | 9         | 9.1                | -            | 6.7   | 175             | 14                | 1-1      | 6-8                  | 1-4 | 2-1                             | 3-4                  | 2-5       | 15.10      |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 5980 | -114.5794 | -2-12    | 0-303925  | 05/26/74 | 10          | 9         | 8.1                | -            | 6.7   | 150             | 13                | 1-1      | 5-8                  | 1-4 | 2-2                             | 3-3                  | 2-8       | 2.20       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 6222 | -114.6084 | -2-12    | 0-303926  | 05/26/74 | 10          | 7         | 4.1                | -            | 6.1   | 180             | 16                | 1-1      | 5-3                  | 6-4 | 1-1                             | 3-4                  | 2-8       | 5.40       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 6322 | -114.6084 | -2-12    | 0-303927  | 05/26/74 | 11          | 7         | 4.1                | -            | 6.1   | 200             | 16                | 1-1      | 5-3                  | 6-4 | 1-1                             | 3-4                  | 2-8       | 3.00       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 6109 | -114.6611 | -2-12    | 0-303930  | 05/26/74 | 12          | 8         | 6.4                | -            | 6.4   | 188             | 9                 | 1-1      | 5-7                  | 6-4 | 1-1                             | 2-4                  | 3-3       | 2.80       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 6358 | -114.6939 | -2-12    | 0-303931  | 05/26/74 | 12          | 10        | 9.0                | -            | 6.7   | 215             | 24                | 1-1      | 5-6                  | 3-4 | 1-1                             | 3-3                  | 2-8       | 3.80       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 6794 | -114.7422 | -2-12    | 0-303932  | 05/26/74 | 12          | 13        | 7.3                | -            | 6.3   | 346             | 12                | 1-1      | 7-6                  | 6-4 | 1-1                             | 4-2                  | 2-8       | 5.90       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 6694 | -114.7175 | -2-12    | 0-303934  | 05/26/74 | 14          | 13        | 7.5                | -            | 6.4   | 360             | 15                | 1-1      | 6-6                  | 6-4 | 1-1                             | 4-2                  | 2-8       | 4.40       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 6358 | -114.7305 | -2-12    | 0-303935  | 05/26/74 | 14          | 13        | 6.2                | -            | 6.4   | 270             | 12                | 1-1      | 7-3                  | 6-5 | 2-1                             | 4-4                  | 2-8       | 5.50       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 6983 | -114.7316 | -2-12    | 0-303936  | 05/26/74 | 14          | 13        | 6.2                | -            | 5.9   | 240             | 13                | 1-1      | 6-8                  | 5-2 | 1-1                             | 4-2                  | 2-8       | 5.20       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 7244 | -114.7294 | -2-12    | 0-303937  | 05/26/74 | 14          | 13        | 7.0                | -            | 6.0   | 280             | 15                | 1-1      | 7-5                  | 6-4 | 1-1                             | 2-4                  | 2-8       | 6.40       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 7272 | -114.7327 | -2-12    | 0-303938  | 05/26/74 | 15          | 12        | 7.0                | -            | 6.2   | 210             | 11                | 1-1      | 7-6                  | 5-2 | 1-2                             | 4-2                  | 2-8       | 3.90       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 7375 | -114.7297 | -2-12    | 0-303939  | 05/26/74 | 16          | 12        | 7.1                | -            | 6.2   | 188             | 15                | 1-1      | 7-6                  | 5-2 | 1-2                             | 4-2                  | 2-8       | 3.90       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 7405 | -114.7311 | -2-12    | 0-303940  | 05/26/74 | 16          | 11        | 6.2                | -            | 5.9   | 184             | 14                | 1-1      | 7-6                  | 5-2 | 1-2                             | 4-2                  | 2-8       | 4.40       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 7337 | -114.7347 | -2-12    | 0-303941  | 05/26/74 | 16          | 11        | 6.2                | -            | 6.0   | 195             | 15                | 1-1      | 7-6                  | 5-2 | 1-2                             | 4-2                  | 2-8       | 4.40       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 7425 | -114.6736 | -2-12    | 0-303942  | 05/26/74 | 17          | 9         | 6.1                | -            | 6.7   | 146             | 16                | 1-1      | 7-6                  | 5-2 | 1-2                             | 4-2                  | 2-8       | 3.90       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 7475 | -114.6748 | -2-12    | 0-303943  | 05/26/74 | 16          | 11        | 6.2                | -            | 6.0   | 146             | 16                | 1-1      | 7-6                  | 5-2 | 1-2                             | 4-2                  | 2-8       | 4.40       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 7463 | -114.6750 | -2-12    | 0-303944  | 05/26/74 | 16          | 11        | 6.2                | -            | 6.0   | 146             | 16                | 1-1      | 7-6                  | 5-2 | 1-2                             | 4-2                  | 2-8       | 4.40       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 5922 | -114.6094 | -2-12    | 0-303945  | 05/26/74 | 17          | 15        | 11.1               | -            | 6.7   | 310             | 13                | 1-1      | 5-5                  | 6-4 | 1-1                             | 2-2                  | 2-2       | 3.60       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 5905 | -114.6005 | -2-12    | 0-303946  | 05/26/74 | 17          | 15        | 11.1               | -            | 6.7   | 288             | 13                | 1-1      | 5-5                  | 6-4 | 1-1                             | 2-2                  | 2-2       | 3.60       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 6377 | -114.7288 | -2-12    | 0-303947  | 05/26/74 | 17          | 15        | 10.1               | -            | 6.7   | 268             | 6                 | 4        | 1-7                  | 4-6 | 4-1                             | 1-2                  | 4-2       | 2-8        | 9.10          |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 5075 | -115.7930 | -2-12    | 0-303948  | 05/31/74 | 9           | 5         | 3.0                | -            | 6.0   | 35              | 15                | 1-1      | 7-6                  | 6-4 | 1-1                             | 4-4                  | 2-8       | 4.60       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 5132 | -115.8713 | -2-12    | 0-303949  | 04/11/74 | 10          | 8         | 6.1                | -            | 6.4   | 45              | 6                 | 1-1      | 7-6                  | 6-4 | 1-1                             | 4-4                  | 2-8       | 4.60       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 5172 | -115.8854 | -2-12    | 0-303950  | 04/11/74 | 10          | 8         | 6.1                | -            | 6.4   | 48              | 7                 | 1-1      | 5-6                  | 6-4 | 1-1                             | 4-4                  | 2-8       | 4.30       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 5361 | -115.8969 | -2-12    | 0-303951  | 04/11/74 | 10          | 8         | 5.0                | -            | 6.4   | 50              | 13                | 1-1      | 5-6                  | 6-4 | 1-1                             | 4-4                  | 2-8       | 6.40       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 5106 | -115.8300 | -2-12    | 0-303952  | 04/11/74 | 11          | 8         | 5.0                | -            | 6.4   | 76              | 15                | 1-1      | 5-6                  | 6-4 | 1-1                             | 4-4                  | 2-8       | 4.10       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 5697 | -115.7661 | -2-12    | 0-303953  | 04/11/74 | 11          | 6         | 4.3                | -            | 6.4   | 35              | 13                | 1-1      | 4-6                  | 6-4 | 1-1                             | 4-4                  | 2-8       | 3.60       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 5597 | -115.7877 | -2-12    | 0-303954  | 04/11/74 | 11          | 6         | 4.3                | -            | 6.4   | 20              | 12                | 1-1      | 4-6                  | 6-4 | 1-1                             | 4-4                  | 2-8       | 6.20       |               |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 5597 | -115.8191 | -2-12    | 0-303955  | 04/11/74 | 12          | 7         | 5.1                | -            | 6.4   | 220             | 4                 | 1-1      | 7-6                  | 6-4 | 1-1                             | 2-4                  | 4-4       | 2-8        | 2.60          |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |
| 30-48              | 5593 | -115.8516 | -2-12    | 0-303956  | 04/11/74 | 12          | 9         | 6.1                | -            | 6.4   | 90              | 12                | 1-1      | 7-6                  | 6-4 | 1-1                             | 2-4                  | 4-4       | 2-8        | 4.20          |                |            |             |             |                 |                    |        |         |           |              |           |                   |                        |                    |                 |     |

LAST Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| STATE | LATITUDE | LONGITUDE | ERDA LAB             | SAMPLE TYPE | REPLICATE | LASL SAMPLE NUMBER | TIME SAMPLED |      | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | PH  | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLMETER (dpm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | CONCENTRATION | SAMPLE TYPE<br>1-10 mg<br>WATER<br>11-20 mg<br>SEDIMENT<br>in ppm |      |      |  |
|-------|----------|-----------|----------------------|-------------|-----------|--------------------|--------------|------|-----------------|-------------------|----------|----------------------|-----|---------------------------------|---------------------|-----------|------------|---------------|----------------|------------|-------------|-------------|----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|---------------|---|------|------|--|
|       |          |           |                      |             |           |                    | DATE         | HOUR |                 |                   |          |                      |     |                                 |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   |      |      |  |
| 30-aa | 635a-115 | 9866-2-12 | 0-103957-04/71774-13 | 10-6.0a     | 6.3a      | 45-                | 12-1         | 7-6  | 8-4             | 1-1               | 2-4      | 4-4                  | 8-  | 6.4a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 6.4a          |   |      |      |  |
| 30-aa | 635a-115 | 8696-2-13 | 0-103958-04/71774-13 | 10-11.2a    | 6.1a      | 45-                | 12-1         | 7-6  | 8-2             | 4-1               | 2-4      | 4-4                  | 8-  | 9.8b                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               | 9.8b  |      |      |  |
| 30-aa | 636a-115 | 8800-2-12 | 0-103959-04/71774-14 | 10-5.3a     | 6.0a      | 45-                | 12-1         | 7-6  | 8-4             | 1-1               | 2-4      | 4-4                  | 8-  | 20.2a                           |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               | 20.2a   |      |      |  |
| 30-aa | 637a-115 | 8855-2-11 | 0-103960-04/71774-15 | 10-4.5a     | 6.2a      | 45-                | 12-1         | 7-6  | 8-3             | 1-1               | 2-4      | 4-4                  | 8-  | 33.9a                           |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               | 33.9a   |      |      |  |
| 30-aa | 638a-115 | 8877-2-12 | 0-103961-04/71774-15 | 10-4.5a     | 6.2a      | 45-                | 10-1         | 7-6  | 8-4             | 1-1               | 2-4      | 4-4                  | 8-  | 4.5a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               | 4.5a  |      |      |  |
| 30-aa | 644a-115 | 8713-2-12 | 0-103962-04/71774-15 | 10-12.5a    | 5.9a      | 45-                | 9-1          | 7-6  | 8-2             | 5-1               | 2-4      | 4-3                  | 8-  | 2.6a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               | 2.6a  |      |      |  |
| 30-aa | 645a-115 | 9161-2-12 | 0-103963-04/71774-16 | 10-11.5a    | 6.3a      | 45-                | 1-1          | 7-3  | 6-4             | 4-1               | 1-1      | 4-4                  | 2-8 | 4.0a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               | 4.0a  |      |      |  |
| 30-aa | 659a-115 | 8769-2-12 | 0-103965-04/71774-16 | 13-11.0a    | 6.1a      | 50-                | 7-1          | 7-6  | 8-4             | 4-1               | 1-1      | 4-4                  | 2-8 | 3.8a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               | 3.8a  |      |      |  |
| 30-aa | 659a-115 | 9508-2-12 | 0-103965-04/71774-16 | 13-11.2a    | 6.3a      | 40-                | 7-1          | 7-6  | 8-4             | 3-1               | 1-1      | 4-4                  | 2-8 | 4.0a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   | 4.0a |      |  |
| 30-aa | 671a-115 | 9436-2-12 | 0-103964-04/71774-17 | 13-11.2a    | 6.3a      | 40-                | 7-1          | 7-6  | 8-4             | 3-1               | 1-1      | 4-4                  | 2-8 | 5.0a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   | 5.0a |      |  |
| 30-aa | 667a-115 | 9922-2-12 | 0-103968-04/71774-17 | 10-7.1a     | 5.9a      | 45-                | 9-1          | 7-6  | 8-4             | 4-1               | 1-1      | 4-4                  | 2-8 | 8.3a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   | 8.3a |      |  |
| 30-aa | 600a-115 | 9522-2-12 | 0-103969-04/71774-18 | 11-11.3a    | 5.9a      | 45-                | 6-1          | 7-6  | 8-3             | 1-1               | 1-1      | 4-4                  | 2-8 | 3.2a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   | 3.2a |      |  |
| 30-aa | 522a-115 | 9261-2-15 | 0-103970-04/71774-18 | 11-9.1a     | 6.4a      | 45-                | 13-1         | 7-6  | 8-3             | 4-1               | 1-1      | 3-2                  | 3-8 | 3.7a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   | 3.7a |      |  |
| 30-aa | 511a-115 | 9288-2-12 | 0-103971-04/71774-18 | 9-7.2a      | 6.9a      | 45a-               | 9-1          | 7-6  | 8-6             | 3-1               | 1-1      | 4-4                  | 2-8 | 2.6a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   | 2.6a |      |  |
| 30-aa | 376a-115 | 9538-2-12 | 0-103972-04/71774-19 | 9-7.2a      | 6.9a      | 45a-               | 9-1          | 7-6  | 8-6             | 3-1               | 1-1      | 4-4                  | 2-8 | 2.8a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   | 2.8a |      |  |
| 30-aa | 597a-115 | 9900-2-12 | 0-103973-04/71774-19 | 9-7.2a      | 6.7a      | 39a-               | 10-1         | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2-8 | 3.5a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   | 3.5a |      |  |
| 30-aa | 632a-115 | 9050-2-12 | 0-103974-04/71774-19 | 9-6.5a      | 6.3a      | 45-                | 10-1         | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2-8 | 3.1a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   | 3.1a |      |  |
| 30-aa | 697a-115 | 8919-2-12 | 0-103975-04/71774-19 | 9-5.2a      | 5.7a      | 45-                | 1-1          | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2-8 | 3.0a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   | 3.0a |      |  |
| 30-aa | 687a-115 | 9138-2-12 | 0-103976-04/71774-19 | 10-5.0a     | 5.7a      | 45-                | 1-1          | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2-8 | 2.7a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   | 2.7a |      |  |
| 30-aa | 680a-115 | 9141-2-12 | 0-103977-04/71774-19 | 10-6.0a     | 5.7a      | 40-                | 13-1         | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2-8 | 3.2a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   | 3.2a |      |  |
| 30-aa | 716a-115 | 9461-2-12 | 0-103978-04/71774-19 | 10-5.0a     | 5.6a      | 10-                | 9-1          | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2-8 | 3.4a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   | 3.4a |      |  |
| 30-aa | 716a-115 | 9686-2-12 | 0-103979-04/71774-19 | 9-4.5a      | 5.5a      | 10-                | 15-1         | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2-8 | 2.9a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   |      | 2.9a |  |
| 30-aa | 732a-115 | 9594-2-12 | 0-103980-04/71774-19 | 9-4.1a      | 5.5a      | 10-                | 7-1          | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2-8 | 2.4a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   |      | 2.4a |  |
| 30-aa | 760a-115 | 9016-2-12 | 0-103981-04/71774-19 | 10-4.0a     | 6.0a      | 15-                | 4-1          | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2-8 | 2.6a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   |      | 2.6a |  |
| 30-aa | 761a-115 | 9186-2-12 | 0-103982-04/71774-19 | 10-4.0a     | 6.0a      | 15-                | 10-1         | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2-8 | 2.4a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   |      | 2.4a |  |
| 30-aa | 788a-115 | 9188-2-12 | 0-103983-04/71774-19 | 10-5.2a     | 5.8a      | 15-                | 4-1          | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2-8 | 2.3a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   |      | 2.3a |  |
| 30-aa | 787a-115 | 9388-2-12 | 0-103984-04/71774-19 | 10-4.0a     | 5.2a      | 12-                | 19-1         | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2-8 | 2.6a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   |      | 2.6a |  |
| 30-aa | 784a-115 | 9388-2-12 | 0-103985-04/71774-19 | 9-4.1a      | 5.5a      | 11-                | 15-1         | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2-8 | 2.8a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   |      | 2.8a |  |
| 30-aa | 788a-115 | 9344-2-12 | 0-103986-04/71774-19 | 9-4.0a      | 5.5a      | 12-                | 18-1         | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2-8 | 2.8a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   |      | 2.8a |  |
| 30-aa | 822a-115 | 9377-2-12 | 0-103987-04/71774-19 | 9-5.2a      | 5.6a      | 9-                 | 1-1          | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2-8 | 2.0a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   |      | 2.0a |  |
| 30-aa | 879a-115 | 9083-2-12 | 0-103988-04/71774-19 | 9-5.0a      | 5.7a      | 9-                 | 1-1          | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2-8 | 2.0a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   |      | 2.0a |  |
| 30-aa | 879a-115 | 9583-2-12 | 0-103989-04/71774-19 | 9-6.0a      | 5.7a      | 9-                 | 1-1          | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2-8 | 2.0a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   |      | 2.0a |  |
| 30-aa | 718a-115 | 8744-2-12 | 0-103990-04/71774-19 | 10-4.0a     | 6.0a      | 12-                | 3-1          | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2-8 | 3.2a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   |      | 3.2a |  |
| 30-aa | 811a-115 | 8864-2-12 | 0-103991-04/71774-19 | 10-7.1a     | 6.3a      | 16-                | 9-1          | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2-8 | 3.2a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   |      | 3.2a |  |
| 30-aa | 849a-115 | 8961-2-12 | 0-103993-04/71774-19 | 10-5.2a     | 5.5a      | 12-                | 4-1          | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2-8 | 2.5a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   |      | 2.5a |  |
| 30-aa | 862a-115 | 8454-2-12 | 0-103994-04/71774-19 | 10-6.0a     | 5.7a      | 17-                | 8-1          | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2-8 | 3.0a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   |      | 3.0a |  |
| 30-aa | 862a-115 | 8883-2-12 | 0-103995-04/71774-19 | 11-7.3a     | 5.9a      | 15-                | 10-1         | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2-8 | 2.6a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   |      | 2.6a |  |
| 30-aa | 862a-115 | 9133-2-12 | 0-103996-04/71774-19 | 9-6.5a      | 5.5a      | 13-                | 9-1          | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2-8 | 2.0a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   |      | 2.0a |  |
| 30-aa | 865a-115 | 9141-2-12 | 0-103997-04/71774-19 | 12-7.6a     | 5.7a      | 28-                | 6-1          | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2-8 | 3.1a                            |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   |      | 3.1a |  |
| 30-aa | 879a-115 | 9583-2-12 | 0-103998-04/71774-19 | 8-6.2a      | 5.5a      | 40-                | 9-1          | 7-6  | 8-6             | 4-1               | 1-1      | 4-4                  | 2   |                                 |                     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |               |   |      |      |  |

### LAST Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| STATE | LATITUDE      | LONGITUDE | ERDA LAB | SAMPLE TYPE | REPLICATE | LAST SAMPLE NUMBER | TIME SAMPLED       |      |       | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | pH  | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLOMETER (dpm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | U CONCENTRATION |
|-------|---------------|-----------|----------|-------------|-----------|--------------------|--------------------|------|-------|-----------------|-------------------|----------|----------------------|-----|---------------------------------|----------------------|-----------|------------|---------------|----------------|-------------|-------------|----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|-----------------|
|       |               |           |          |             |           |                    | DATE               | HOUR |       |                 |                   |          |                      |     |                                 |                      |           |            |               |                |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 |
|       |               |           |          |             |           |                    | ERDA SAMPLE NUMBER |      |       |                 |                   |          |                      |     |                                 |                      |           |            |               |                |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0055-114.6988 | -2-12     |          |             |           | 0-307910           | 06/27/74           | 13   | 11-12 | 2-C             |                   |          |                      | 6.9 | 142                             | 491                  | 7-3       | 6-2        | 2-1           | 2-2            | 3-3         | 1           |                |                 |                    |        |         |           |              |           |                        | 4.50              |                    |                 |
| 30-6A | 0185-114.7077 | -2-12     |          |             |           | 0-307911           | 06/27/74           | 13   | 12    | 2-C             |                   |          |                      | 6.6 | 125                             | 23                   | 7-6       | 6-3        | 3-1           | 2-2            | 3-2         | 1           |                |                 |                    |        |         |           |              |           |                        | 5.90              |                    |                 |
| 30-6A | 0358-114.7047 | -2-12     |          |             |           | 0-307912           | 06/27/74           | 13   | 14    | 2-C             |                   |          |                      | 6.2 | 126                             | 25                   | 9-4       | 6-3        | 3-1           | 4-4            | 3-2         | 3           |                |                 |                    |        |         |           |              |           |                        | 4.90              |                    |                 |
| 30-6A | 0341-114.7302 | -2-12     |          |             |           | 0-307913           | 06/27/74           | 13   | 15    | 1-C             |                   |          |                      | 5.8 | 70                              | 21                   | 7-3       | 6-3        | 3-3           | 2-4            | 3-1         | 2           |                |                 |                    |        |         |           |              |           |                        | 5.10              |                    |                 |
| 30-6A | 0397-114.7472 | -2-12     |          |             |           | 0-307914           | 06/27/74           | 13   | 15    | 9-C             |                   |          |                      | 5.4 | 43                              | 25                   | 1-1       | 1-2        | 2-1           | 4-3            | 1-2         | 1           |                |                 |                    |        |         |           |              |           |                        | 5.90              |                    |                 |
| 30-6A | 0963-114.6852 | -2-12     |          |             |           | 0-307915           | 06/27/74           | 17   | 15    | 9-C             |                   |          |                      | 6.4 | 172                             | 44                   | 1-1       | 2-2        | 2-1           | 4-3            | 1-2         | 3           |                |                 |                    |        |         |           |              |           |                        | 13.20             |                    |                 |
| 30-6A | 0900-114.6972 | -2-12     |          |             |           | 0-307916           | 06/27/74           | 17   | 13    | 12              | 9-C               |          |                      | 5.7 | 89                              | 35                   | 4-1       | 6-3        | 1-1           | 6-1            | 1-2         | 1           |                |                 |                    |        |         |           |              |           |                        | 3.70              |                    |                 |
| 30-6A | 0708-114.7036 | -2-12     |          |             |           | 0-307917           | 06/27/74           | 17   | 15    | 3               | 2-C               |          |                      | 5.5 | 73                              | 21                   | 7-7       | 2-3        | 4-1           | 6-1            | 1-2         | 1           |                |                 |                    |        |         |           |              |           |                        | 2.40              |                    |                 |
| 30-6A | 1141-114.5988 | -2-12     |          |             |           | 0-307918           | 06/27/74           | 18   | 17    | 15              | 5-C               |          |                      | 6.4 | 316                             | 44                   | 1-7       | 6-9        | 3-3           | 1-6            | 2-3         | 3           |                |                 |                    |        |         |           |              |           |                        | 5.40              |                    |                 |
| 30-6A | 1008-114.5758 | -2-12     |          |             |           | 0-307919           | 06/27/74           | 18   | 16    | 12              | 1-C               |          |                      | 6.4 | 117                             | 27                   | 1-4       | 7-3        | 3-3           | 2-4            | 3-1         | 3           |                |                 |                    |        |         |           |              |           |                        | 2.60              |                    |                 |
| 30-6A | 0983-114.5650 | -2-12     |          |             |           | 0-307920           | 06/27/74           | 18   | 14    | 12              | 3-C               |          |                      | 6.3 | 249                             | 50                   | 1-1       | 4-6        | 3-3           | 1-2            | 4-3         | 2-3         |                |                 |                    |        |         |           |              |           |                        | 5.50              |                    |                 |
| 30-6A | 0363-114.5050 | -2-12     |          |             |           | 0-307921           | 06/27/74           | 11   | 12    | 9               | 9-C               |          |                      | 5.7 | 89                              | 23                   | 1-7       | 3-7        | 3-3           | 3-2            | 1-1         | 2-1         |                |                 |                    |        |         |           |              |           |                        |                   | 4.60               |                 |
| 30-6A | 0375-114.5034 | -2-15     |          |             |           | 0-307922           | 06/27/74           | 12   | 19    |                 |                   |          |                      |     |                                 | 12                   | 1-6       | 4-6        |               |                |             |             |                |                 |                    |        |         |           |              |           |                        | 5.10              |                    |                 |
| 30-6A | 0327-114.5088 | -2-12     |          |             |           | 0-307923           | 06/27/74           | 13   | 20    | 9               | 5-C               |          |                      | 5.7 | 70                              | 42                   | 1-7       | 5-6        | 3-3           | 1-2            | 4-4         | 1-1         |                |                 |                    |        |         |           |              |           |                        | 5.10              |                    |                 |
| 30-6A | 0033-114.5066 | -2-12     |          |             |           | 0-307924           | 06/27/74           | 13   | 21    | 4               | 8-C               |          |                      | 6.3 | 190                             | 41                   | 1-7       | 4-6        | 2-3           | 1-2            | 4-4         | 2-1         |                |                 |                    |        |         |           |              |           |                        | 8.40              |                    |                 |
| 30-6A | 0083-114.5147 | -2-12     |          |             |           | 0-307925           | 06/27/74           | 13   | 21    | 12              | 6-C               |          |                      | 5.9 | 110                             | 21                   | 1-1       | 6-6        | 2-4           | 3-3            | 4-1         | 1-1         |                |                 |                    |        |         |           |              |           |                        | 5.10              |                    |                 |
| 30-6A | 0158-114.5447 | -2-13     |          |             |           | 0-307926           | 06/27/74           | 13   | 22    | 1               | 5-C               |          |                      | 6.1 | 110                             | 21                   | 1-1       | 6-6        | 2-4           | 3-3            | 4-1         | 1-1         |                |                 |                    |        |         |           |              |           |                        | 6.60              |                    |                 |
| 30-6A | 0150-114.5572 | -2-12     |          |             |           | 0-307927           | 06/27/74           | 13   | 22    | 12              | 9-C               |          |                      | 5.9 | 43                              | 52                   | 1-7       | 5-6        | 3-4           | 3-3            | 2-2         | 1-3         |                |                 |                    |        |         |           |              |           |                        | 7.10              |                    |                 |
| 30-6A | 0041-114.5825 | -2-12     |          |             |           | 0-307928           | 06/27/74           | 13   | 13    | 10              | 4-C               |          |                      | 5.8 | 43                              | 21                   | 7-5       | 6-3        | 3-3           | 2-4            | 3-1         | 2-1         |                |                 |                    |        |         |           |              |           |                        | 5.10              |                    |                 |
| 30-6A | 0088-114.5852 | -2-12     |          |             |           | 0-307929           | 06/27/74           | 13   | 19    | 10              | 5-C               |          |                      | 5.7 | 75                              | 44                   | 1-7       | 4-6        | 3-3           | 1-2            | 1-4         | 2-1         |                |                 |                    |        |         |           |              |           |                        | 5.60              |                    |                 |
| 30-6A | 1261-114.5591 | -2-13     |          |             |           | 0-307930           | 06/27/74           | 11   | 25    | 10              | 5-C               |          |                      | 5.7 | 210                             | 12                   | 1-7       | 7-6        | 2-3           | 3-3            | 4-1         | 2-1         |                |                 |                    |        |         |           |              |           |                        | 5.60              |                    |                 |
| 30-6A | 1422-114.5758 | -2-12     |          |             |           | 0-307931           | 06/27/74           | 13   | 24    | 28              | 6-C               |          |                      | 6.4 | 250                             | 18                   | 1-7       | 5-6        | 1-2           | 2-3            | 4-4         | 1-1         |                |                 |                    |        |         |           |              |           |                        | 14.90             |                    |                 |
| 30-6A | 1481-114.5711 | -2-12     |          |             |           | 0-307932           | 06/27/74           | 13   | 27    | 2               | 8-C               |          |                      | 6.8 | 470                             | 31                   | 1-7       | 4-6        | 2-2           | 2-2            | 4-4         | 2-1         |                |                 |                    |        |         |           |              |           |                        | 1.90              |                    |                 |
| 30-6A | 1588-114.6011 | -2-12     |          |             |           | 0-307933           | 06/27/74           | 13   | 26    | 14              | 8-C               |          |                      | 6.3 | 190                             | 27                   | 1-7       | 5-7        | 3-3           | 2-2            | 4-4         | 1-1         |                |                 |                    |        |         |           |              |           |                        | 3.40              |                    |                 |
| 30-6A | 1161-114.5875 | -2-12     |          |             |           | 0-307934           | 06/27/74           | 13   | 27    | 18              | 6-C               |          |                      | 6.8 | 460                             | 35                   | 1-7       | 5-7        | 2-4           | 2-4            | 4-3         | 1-3         |                |                 |                    |        |         |           |              |           |                        | 2.50              |                    |                 |
| 30-6A | 1761-114.6175 | -2-12     |          |             |           | 0-307935           | 06/27/74           | 13   | 25    | 15              | 1-C               |          |                      | 6.3 | 280                             | 21                   | 1-7       | 5-6        | 1-2           | 1-2            | 3-4         | 3-1         |                |                 |                    |        |         |           |              |           |                        | 3.10              |                    |                 |
| 30-6A | 1677-114.7134 | -2-12     |          |             |           | 0-307936           | 06/27/74           | 11   | 5     | 1               | 7-C               |          |                      | 5.5 | 29                              | 62                   | 1-1       | 5-6        | 3-3           | 1-1            | 2-1         | 4-3         | 3              |                 |                    |        |         |           |              |           |                        | 3.30              |                    |                 |
| 30-6A | 2227-114.7280 | -2-12     |          |             |           | 0-307937           | 06/27/74           | 11   | 5     | 6               | 9-C               |          |                      | 5.5 | 17                              | 42                   | 1-1       | 6-6        | 6-3           | 1-5            | 1-2         | 6-3         | 1              |                 |                    |        |         |           |              |           |                        | 4.50              |                    |                 |
| 30-6A | 2225-114.7286 | -2-12     |          |             |           | 0-307938           | 06/27/74           | 11   | 9     | 6               | 8-C               |          |                      | 5.4 | 17                              | 31                   | 1-1       | 6-7        | 6-3           | 1-5            | 1-2         | 6-3         | 1              |                 |                    |        |         |           |              |           |                        | 4.40              |                    |                 |
| 30-6A | 2309-114.7408 | -2-12     |          |             |           | 0-307939           | 06/27/74           | 12   | 4     | 8               | 9-C               |          |                      | 5.8 | 24                              | 21                   | 1-1       | 5-6        | 2-4           | 2-4            | 2-1         | 1-1         |                |                 |                    |        |         |           |              |           |                        | 3.50              |                    |                 |
| 30-6A | 2481-114.7408 | -2-12     |          |             |           | 0-307940           | 06/27/74           | 12   | 7     | 8               | 8-C               |          |                      | 5.8 | 24                              | 21                   | 1-1       | 5-6        | 2-4           | 2-4            | 2-1         | 1-1         |                |                 |                    |        |         |           |              |           |                        | 3.50              |                    |                 |
| 30-6A | 2481-114.7408 | -2-12     |          |             |           | 0-307941           | 06/27/74           | 12   | 9     | 9               | 7-C               |          |                      | 5.7 | 21                              | 21                   | 1-1       | 7-6        | 2-3           | 1-2            | 1-1         | 2-3         |                |                 |                    |        |         |           |              |           |                        | 3.20              |                    |                 |
| 30-6A | 1787-114.7277 | -2-12     |          |             |           | 0-307942           | 06/27/74           | 13   | 7     | 8               | 7-C               |          |                      | 5.7 | 27                              | 54                   | 1-1       | 7-6        | 2-3           | 1-2            | 1-1         | 2-3         |                |                 |                    |        |         |           |              |           |                        | 7.40              |                    |                 |
| 30-6A | 1751-114.7275 | -2-12     |          |             |           | 0-307943           | 06/27/74           | 13   | 8     | 10              | 1-C               |          |                      | 5.7 | 44                              | 10                   | 1-6       | 7-3        | 1-3           | 1-1            | 2-1         | 2-3         |                |                 |                    |        |         |           |              |           |                        | 5.70              |                    |                 |
| 30-6A | 1922-114.6664 | -2-12     |          |             |           | 0-307944           | 06/27/74           | 13   | 7     | 10              | 4-C               |          |                      | 5.4 | 41                              | 42                   | 1-1       | 6-3        | 6-3           | 1-3            | 1-1         | 2-2         | 1              |                 |                    |        |         |           |              |           |                        | 5.90              |                    |                 |
| 30-6A | 2485-114.6500 | -2-12     |          |             |           | 0-307945           | 06/27/74           | 13   | 7     | 19              | 4-C               |          |                      | 6.4 | 190                             | 10                   | 1-1       | 6-6        | 4-8           | 1-2            | 1-2         | 1-2         |                |                 |                    |        |         |           |              |           |                        | 2.40              |                    |                 |
| 30-6A | 2263-114.6347 | -2-12     |          |             |           | 0-307946           | 06/27/74           | 17   | 7     | 6               | 9-C               |          |                      | 6.4 | 245                             | 10                   | 1-1       | 6-6        | 3-4           | 1-2            | 1-2         | 2-2         |                |                 |                    |        |         |           |              |           |                        | 3.50              |                    |                 |
| 30-6A | 2263-114.6341 | -2-12     |          |             |           | 0-307947           | 06/27/74           | 17   | 7     | 6               | 1-C               |          |                      | 6.7 | 354                             | 0                    | 1-1       | 6-6        | 6-3           | 1-4            | 1-2         | 1-2         | 2              |                 |                    |        |         |           |              |           |                        | 2.30              |                    |                 |
| 30-6A | 2127-114.6256 | -2-12     |          |             |           | 0-307948           | 06/27/74           | 18   | 5     | 12              | 3-C               |          |                      | 6.8 | 182                             | 21                   | 1-7       | 7-7        | 2-3           | 2-2            | 2-2         | 2-2         |                |                 |                    |        |         |           |              |           |                        | 2.80              |                    |                 |
| 30-6A | 2202-114.5966 | -2-15     |          |             |           | 0-307949           | 06/27/74           | 18   | 5     | 12              | 3-C               |          |                      | 6.8 | 182                             | 10                   | 1-7       | 7-5        | 6-6           | 2-3            | 2-2         | 2-2         |                |                 |                    |        |         |           |              |           |                        | 1.50              |                    |                 |
| 30-6A | 2108-114.5419 | -2-12     |          |             |           | 0-307950           | 06/27/74           | 18   | 9     | 7               | 1-C               |          |                      | 6.4 | 477                             | 10                   | 1-7       | 5-6        | 2-3           | 5-2            | 2-2         | 2-2         |                |                 |                    |        |         |           |              |           |                        | 2.30              |                    |                 |
| 30-6A | 2419-114.5122 | -2-12     |          |             |           | 0-307951           | 06/27/74           | 20   | 7     | 8               | 8-C               |          |                      | 6.5 | 478                             | 10                   | 1-7       | 6-6        | 3-3           | 1-2            | 1-2         | 1-2         |                |                 |                    |        |         |           |              |           |                        | 1.70              |                    |                 |
| 30-6A | 2386-114.5133 | -2-12     |          |             |           | 0-307952           | 06/27/74           | 18   | 7     | 8               | 8-C               |          |                      | 6.7 | 445                             | 21                   | 1-7       | 4-6        | 3-3           | 1-2            | 1-2         | 1-2         |                |                 |                    |        |         |           |              |           |                        | 2.20              |                    |                 |
| 30-6A | 4669-114.8758 | -2-12     |          |             |           | 0-307953           | 06/27/74           | 10   | 8     | 5               | 1-C               |          |                      | 5.8 | 48                              | 18                   | 1-7       | 2-8        | 4-3           | 2-2            | 2-2         | 2-2         |                |                 |                    |        |         |           |              |           |                        | 3.30              |                    |                 |
| 30-6A | 4997-114.8527 | -2-12     |          |             |           | 0-307954           | 06/27/74           | 10   | 8     | 5               | 1-C               |          |                      | 5.2 | 101                             | 15                   | 1-1       | 6-3        | 6-4           | 4-4            | 1-2         | 2-2         | 4              |                 |                    |        |         |           |              |           |                        | 3.70              |                    |                 |
| 30-6A | 4900-115.8490 | -2-12     |          |             |           | 0-307955           | 06/27/74           | 10   | 7     | 5               | 9                 | 5-C      |                      | 5.5 | 95                              | 18                   | 1-7       | 3-6        | 5-4           | 1-1            | 2-2         | 4-4         | 1              |                 |                    |        |         |           |              |           |                        | 4.10              |                    |                 |
| 30-6A | 4754-115.8490 | -2-12     |          |             |           | 0-307956           | 06/27/74           | 10   | 8     | 4               | 9                 | 5-C      |                      | 5.2 | 50                              | 2                    | 1-7       | 3-6        | 4-4           | 1-2            | 1-2         | 3-4         |                |                 |                    |        |         |           |              |           |                        | 6.40              |                    |                 |
| 30-6A | 4702-115.8188 | -2-12     |          |             |           | 0-307957           | 06/27/74           | 11   | 8     | 7               | 5-C               |          |                      | 5.7 | 130                             | 4                    | 1-6       | 3-8        | 2-2           | 1-2            | 2-2         | 3-4         |                |                 |                    |        |         |           |              |           |                        | 6.40              |                    |                 |
| 30-6A | 4511-115.8198 | -2-12     |          |             |           | 0-307958           | 06/27/74           | 11   | 13    | 16              | 8-C               |          |                      | 5.9 | 290                             | 2                    | 1-7       | 5-6        | 2-4           | 1-2            | 2-2         | 3-4         |                |                 |                    |        |         |           |              |           |                        | 10.30             |                    |                 |
| 30-6A | 4561-115.7719 | -2-12     |          |             |           | 0-307959           | 06/27/74           | 11   | 10    | 7               | 2                 | 5-C      |                      | 5.7 | 135                             | 14                   | 2-7       | 5-1        | 6-6           | 4-4            | 1-2         | 2-2         | 4              |                 |                    |        |         |           |              |           |                        |                   | 10.30              |                 |
| 30-6A | 4133-115.8036 | -2-12     |          |             |           | 0-307960           | 06/27/74           | 13   | 11    | 7               | 8                 | 5-C      |                      | 5.8 | 520                             | 14                   | 1-1       | 6-5        | 6-3           | 4-1            | 2-1         | 8-1         | 2              |                 |                    |        |         |           |              |           |                        |                   | 6.30               |                 |





### LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| STATE | ERDA SAMPLE NUMBER |           |          |             | REPLICATE | LASL SAMPLE NUMBER AND FIELD DATA |              |      |                 |                   |          |                      |     |                                |                      | U CONCENTRATION |            |               |                |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    |   |  |  |
|-------|--------------------|-----------|----------|-------------|-----------|-----------------------------------|--------------|------|-----------------|-------------------|----------|----------------------|-----|--------------------------------|----------------------|-----------------|------------|---------------|----------------|------------|-------------|-------------|----------------|-----------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|---|--|--|
|       | LATITUDE           | LONGITUDE | ERDA LAB | SAMPLE TYPE |           | LASL SAMPLE NUMBER                | TIME SAMPLED |      | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | PH  | SPECIFIC CONDUCTANC (µmhos/cm) | SCINTILLOMETER (dpm) | ROCK TYPE       | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION TYPE | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | SAMPLE TYPE 5<br>1.10 or<br>WATER<br>in 100 | SAMPLE TYPE 5<br>1.20 or<br>SEDIMENT<br>in 100 |  |
| 30-6A | 9386               | -115.9144 | -2-12-   | n-304016    | -04/23/74 | -15-                              | 8-           | 4.0  | 5.5             | 45                |          | 6-1                  | 7-4 | -7-4                           | -6-1                 | -1-1            | -1-5       | -5-4          | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    |   | 2.70   |  |
| 30-6A | 9263               | -115.9334 | -2-12-   | n-304017    | -04/23/74 | -16-                              | 7-           | 3.0  | 5.2             | 23                |          | 3-1                  | 7-6 | -7-4                           | -6-1                 | -1-1            | -1-5       | -5-5          | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 2.40  |  |  |
| 30-6A | 9539               | -115.8805 | -2-12-   | n-304018    | -04/23/74 | -16-                              | 9-           | 5.0  | 5.5             | 16                |          | 0-1                  | 7-6 | -6-4                           | -4-1                 | -1-1            | -1-5       | -5-6          | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 2.90  |  |  |
| 30-6A | 9486               | -115.9155 | -2-12-   | n-304019    | -04/23/74 | -16-                              | 7-           | 4.1  | 5.2             | 45                |          | 3-1                  | 7-3 | -7-4                           | -4-1                 | -1-1            | -1-4       | -5-6          | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 2.30  |  |  |
| 30-6A | 5122               | -115.9550 | -2-12-   | n-304021    | -04/23/74 | -16-                              | 11-          | 7.1  | 6.2             | 41                |          | 9-1                  | 7-3 | -6-4                           | -4-1                 | -1-2            | -1-3       | -2-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 3.00  |  |  |
| 30-6A | 5127               | -115.9552 | -2-12-   | n-304022    | -04/23/74 | -16-                              | 11-          | 7.0  | 5.8             | 38                |          | 6-1                  | 7-3 | -6-4                           | -4-1                 | -1-1            | -1-4       | -3-2-         | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 2.60  |  |  |
| 30-6A | 5013               | -115.9366 | -2-12-   | n-304023    | -04/23/74 | -16-                              | 10-          | 6.4  | 5.7             | 30                |          | 0-1                  | 7-4 | -6-4                           | -4-1                 | -1-1            | -1-4       | -3-2-         | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 2.50  |  |  |
| 30-6A | 5355               | -115.9518 | -2-12-   | n-304024    | -04/24/74 | -9-                               | 8-           | 6.0  | 6.0             | 120               |          | 15-1                 | 7-3 | -7-3                           | -3-1                 | -1-2            | -1-2       | -2-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 3.50  |  |  |
| 30-6A | 6730               | -115.8133 | -2-12-   | n-304025    | -04/24/74 | -10-                              | 8-           | 5.0  | 5.4             | 25                |          | 6-1                  | 7-5 | -6-3                           | -3-1                 | -1-1            | -1-4       | -3-2-         | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 3.60  |  |  |
| 30-6A | 6650               | -115.7827 | -2-12-   | n-304026    | -04/24/74 | -10-                              | 10-          | 5.9  | 6.1             | 24                |          | 9-1                  | 7-3 | -7-3                           | -3-1                 | -1-2            | -1-4       | -3-2-         | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 4.40  |  |  |
| 30-6A | 6600               | -115.7663 | -2-12-   | n-304027    | -04/24/74 | -10-                              | 10-          | 6.1  | 6.2             | 27                |          | 7-1                  | 7-5 | -6-4                           | -4-1                 | -1-1            | -1-4       | -3-2-         | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 3.40  |  |  |
| 30-6A | 6644               | -115.7347 | -2-12-   | n-304028    | -04/24/74 | -10-                              | 10-          | 6.0  | 6.3             | 26                |          | 7-1                  | 7-3 | -6-4                           | -4-1                 | -1-2            | -1-4       | -3-2-         | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 4.60  |  |  |
| 30-6A | 6586               | -115.7713 | -2-12-   | n-304029    | -04/24/74 | -11-                              | 10-          | 6.0  | 5.7             | 22                |          | 9-1                  | 7-3 | -6-4                           | -3-1                 | -1-2            | -1-4       | -3-2-         | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 4.70  |  |  |
| 30-6A | 6441               | -115.7200 | -2-12-   | n-304030    | -04/24/74 | -11-                              | 10-          | 6.0  | 5.5             | 100               |          | 13-1                 | 7-4 | -7-4                           | -4-2                 | -1-2            | -1-3       | -2-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 2.60  |  |  |
| 30-6A | 6386               | -115.7230 | -2-12-   | n-304031    | -04/24/74 | -11-                              | 10-          | 5.5  | 5.7             | 29                |          | 12-1                 | 7-4 | -6-4                           | -4-1                 | -1-2            | -1-4       | -3-2-         | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 12.90                                       |  |  |
| 30-6A | 6071               | -115.7052 | -2-12-   | n-304032    | -04/24/74 | -12-                              | 10-          | 5.5  | 6.1             | 90                |          | 6-1                  | 7-3 | -6-4                           | -4-1                 | -1-2            | -1-4       | -3-2-         | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 3.20  |  |  |
| 30-6A | 6005               | -115.7472 | -2-12-   | n-304033    | -04/24/74 | -12-                              | 10-          | 6.2  | 5.9             | 95                |          | 7-1                  | 7-4 | -6-4                           | -4-1                 | -1-1            | -1-3       | -2-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 3.70  |  |  |
| 30-6A | 6061               | -115.7736 | -2-12-   | n-304034    | -04/24/74 | -13-                              | 7-           |      |                 |                   |          | 3-1                  | 7-4 | -6-2                           | -2-1                 | -1-1            | -1-4       | -5-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 3.60  |  |  |
| 30-6A | 6244               | -115.7138 | -2-12-   | n-304035    | -04/24/74 | -13-                              | 12-          | 7.0  | 6.1             | 200               |          | 12-1                 | 7-4 | -6-4                           | -4-1                 | -1-2            | -1-4       | -3-2-         | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 2.80  |  |  |
| 30-6A | 6261               | -115.7019 | -2-12-   | n-304036    | -04/24/74 | -14-                              | 12-          | 8.3  | 6.2             | 125               |          | 7-1                  | 7-4 | -6-3                           | -3-1                 | -1-2            | -1-3       | -2-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 2.80  |  |  |
| 30-6A | 5972               | -115.6707 | -2-12-   | n-304037    | -04/24/74 | -14-                              | 11-          | 12.1 |                 |                   |          | 6-1                  | 7-4 | -6-3                           | -3-1                 | -1-2            | -1-3       | -2-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 2.90  |  |  |
| 30-6A | 5933               | -115.6591 | -2-12-   | n-304038    | -04/24/74 | -15-                              | 11-          | 8.1  | 6.3             | 90                |          | 15-1                 | 7-5 | -6-3                           | -3-1                 | -1-2            | -1-4       | -3-2-         | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 6.10  |  |  |
| 30-6A | 5819               | -115.7130 | -2-12-   | n-304039    | -04/24/74 | -15-                              | 9-           | 5.9  | 6.2             | 22                |          | 6-1                  | 7-5 | -6-3                           | -3-1                 | -1-1            | -1-4       | -4-2-         | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 4.70  |  |  |
| 30-6A | 5844               | -115.6819 | -2-12-   | n-304041    | -04/24/74 | -16-                              | 9-           | 6.0  | 5.7             | 32                |          | 16-1                 | 7-5 | -6-4                           | -4-1                 | -1-2            | -1-4       | -4-2-         | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 3.50  |  |  |
| 30-6A | 5833               | -115.6611 | -2-12-   | n-304042    | -04/24/74 | -16-                              | 10-          | 7.0  | 5.7             | 49                |          | 12-1                 | 7-3 | -6-4                           | -4-1                 | -1-1            | -1-4       | -4-2-         | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 7.00  |  |  |
| 30-6A | 5884               | -115.6622 | -2-12-   | n-304043    | -04/24/74 | -16-                              | 9-           | 7.0  | 5.9             | 60                |          | 13-1                 | 7-4 | -6-3                           | -3-1                 | -1-2            | -1-3       | -2-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 7.50  |  |  |
| 30-6A | 5413               | -115.6619 | -2-12-   | n-304044    | -04/24/74 | -16-                              | 8-           | 7.0  | 6.1             | 70                |          | 12-1                 | 7-5 | -6-3                           | -3-1                 | -1-1            | -1-4       | -3-2-         | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 7.40  |  |  |
| 30-6A | 5183               | -115.6572 | -2-12-   | n-304045    | -04/24/74 | -16-                              | 9-           | 7.1  | 6.1             | 65                |          | 14-1                 | 7-4 | -6-4                           | -4-1                 | -1-1            | -1-3       | -2-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 6.60  |  |  |
| 30-6A | 5155               | -115.7038 | -2-12-   | n-304048    | -04/24/74 | -16-                              | 8-           | 6.0  | 5.9             | 41                |          | 12-1                 | 7-4 | -6-4                           | -4-1                 | -1-1            | -1-3       | -2-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 6.30  |  |  |
| 30-6A | 5275               | -115.7233 | -2-12-   | n-304047    | -04/24/74 | -17-                              | 7-           | 5.8  | 5.6             | 28                |          | 10-1                 | 7-4 | -6-4                           | -4-1                 | -1-1            | -1-3       | -2-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 5.20  |  |  |
| 30-6A | 5269               | -115.7230 | -2-12-   | n-304048    | -04/24/74 | -17-                              | 7-           | 5.6  | 5.7             | 26                |          | 13-1                 | 7-3 | -6-4                           | -4-1                 | -1-1            | -1-4       | -4-2-         | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 5.30  |  |  |
| 30-6A | 5011               | -115.6333 | -2-12-   | n-304049    | -04/24/74 | -17-                              | 10-          | 8.1  | 5.7             | 55                |          | 7-1                  | 7-4 | -6-4                           | -4-1                 | -1-1            | -1-4       | -4-2-         | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 4.90  |  |  |
| 30-6A | 5416               | -115.5323 | -2-12-   | n-304050    | -04/27/74 | -10-                              | 13-          | 8.0  | 6.8             | 130               |          | 10-1                 | 7-6 | -6-6                           | -6-1                 | -1-2            | -1-3       | -3-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 2.80  |  |  |
| 30-6A | 5422               | -115.5311 | -2-12-   | n-304051    | -04/27/74 | -10-                              | 13-          | 8.5  | 6.6             | 70                |          | 10-1                 | 7-4 | -6-3                           | -3-1                 | -1-2            | -1-3       | -3-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 3.50  |  |  |
| 30-6A | 5305               | -115.5338 | -2-12-   | n-304052    | -04/27/74 | -10-                              | 13-          | 8.5  | 6.6             | 230               |          | 12-1                 | 7-3 | -6-3                           | -3-1                 | -1-2            | -1-3       | -4-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 3.90  |  |  |
| 30-6A | 5338               | -115.5255 | -2-12-   | n-304053    | -04/27/74 | -10-                              | 13-          | 9.2  | 6.8             | 130               |          | 12-1                 | 7-4 | -6-6                           | -6-1                 | -1-2            | -1-3       | -3-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 3.90  |  |  |
| 30-6A | 5564               | -115.5455 | -2-12-   | n-304054    | -04/27/74 | -10-                              | 14-          | 8.0  | 6.5             | 170               |          | 6-1                  | 7-5 | -6-3                           | -3-1                 | -1-2            | -1-3       | -3-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 3.60  |  |  |
| 30-6A | 5608               | -115.5266 | -2-12-   | n-304055    | -04/27/74 | -10-                              | 13-          | 8.5  | 6.5             | 130               |          | 9-1                  | 7-4 | -6-3                           | -3-1                 | -1-2            | -1-3       | -3-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 3.50  |  |  |
| 30-6A | 5916               | -115.5011 | -2-12-   | n-304056    | -04/27/74 | -11-                              | 15-          | 8.2  | 6.1             | 130               |          | 0-1                  | 7-6 | -6-6                           | -6-1                 | -1-1            | -1-4       | -4-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 3.60  |  |  |
| 30-6A | 5730               | -115.5936 | -2-12-   | n-304058    | -04/27/74 | -11-                              | 13-          | 9.0  | 6.3             | 130               |          | 9-1                  | 7-6 | -6-6                           | -6-1                 | -1-2            | -1-3       | -3-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 4.80  |  |  |
| 30-6A | 5800               | -115.5927 | -2-12-   | n-304059    | -04/27/74 | -11-                              | 15-          | 9.0  | 6.2             | 235               |          | 7-1                  | 7-6 | -6-6                           | -6-3                 | -1-2            | -1-3       | -3-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 2.70  |  |  |
| 30-6A | 5919               | -115.6169 | -2-12-   | n-304060    | -04/27/74 | -11-                              | 13-          | 9.2  | 6.6             | 130               |          | 12-1                 | 7-4 | -6-6                           | -6-1                 | -1-2            | -1-4       | -3-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 4.50  |  |  |
| 30-6A | 6169               | -115.6172 | -2-12-   | n-304061    | -04/27/74 | -11-                              | 14-          | 8.2  | 6.1             | 95                |          | 3-1                  | 7-6 | -6-6                           | -6-1                 | -1-2            | -1-3       | -3-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 6.20  |  |  |
| 30-6A | 6177               | -115.6194 | -2-12-   | n-304062    | -04/27/74 | -11-                              | 14-          | 9.3  | 6.3             | 175               |          | 7-1                  | 7-5 | -6-3                           | -3-1                 | -1-2            | -1-4       | -3-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 4.30  |  |  |
| 30-6A | 6458               | -115.6342 | -2-12-   | n-304063    | -04/27/74 | -12-                              | 11-          | 6.5  | 6.4             | 210               |          | 12-1                 | 7-3 | -6-2                           | -2-1                 | -1-1            | -1-4       | -3-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 2.50  |  |  |
| 30-6A | 7208               | -115.6436 | -2-12-   | n-304064    | -04/27/74 | -12-                              | 12-          | 6.2  | 6.6             | 170               |          | 4-1                  | 7-3 | -6-6                           | -6-1                 | -1-2            | -1-4       | -3-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 2.80  |  |  |
| 30-6A | 7308               | -115.6386 | -2-12-   | n-304065    | -04/27/74 | -13-                              | 13-          | 6.5  | 6.3             | 90                |          | 12-1                 | 7-5 | -7-4                           | -6-1                 | -1-2            | -1-4       | -3-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 4.30  |  |  |
| 30-6A | 7463               | -115.6447 | -2-12-   | n-304066    | -04/27/74 | -13-                              | 13-          | 8.1  | 6.6             | 240               |          | 0-1                  | 7-5 | -6-3                           | -3-1                 | -1-2            | -1-3       | -3-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 2.90  |  |  |
| 30-6A | 7838               | -115.7511 | -2-12-   | n-304067    | -04/27/74 | -15-                              | 14-          | 7.1  | 5.7             | 17                |          | 3-1                  | 7-4 | -6-4                           | -4-1                 | -1-1            | -1-4       | -4-2-         | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    | 5.20  |  |  |
| 30-6A | 7388               | -115.7766 | -2-12-   | n-304068    | -04/27/74 | -16-                              | 12-          | 7.5  | 6.0             | 17                |          | 12-1                 | 7-5 | -6-3                           | -3-1                 | -1-1            | -1-4       | -4-           | -8-            |            |             |             |                |                 |        |         |           |              |           |                        |                   |                    |   |  |  |

LAST Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| ERDA SAMPLE NUMBER | STATE | LATITUDE | LONGITUDE | ERDA LAB | SAMPLE TYPE | REPLICATE | LAST SAMPLE NUMBER | DATE         |      | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | pH  | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLOMETER (dU ppm)         | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | U CONCENTRATION |           |             |
|--------------------|-------|----------|-----------|----------|-------------|-----------|--------------------|--------------|------|-----------------|-------------------|----------|----------------------|-----|---------------------------------|---------------------------------|-----------|------------|---------------|----------------|------------|-------------|-------------|----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|-----------------|-----------|-------------|
|                    |       |          |           |          |             |           |                    | TIME SAMPLED | HOUR |                 |                   |          |                      |     |                                 |                                 |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | SAMPLE TYPE     | 1-10 mg/g | SAMPLE TYPE |
| 30-40-7283-115     | 7608  | -2-12    |           |          |             |           | 0-304070-04        | 7/7/74       | 15   | 7.9             |                   |          |                      | 5.7 | 11                              | 6-1-7-3-6-4-4-1-1-1-1-4-4-3     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   | 4.50               |                 |           |             |
| 30-40-7475-115     | 8169  | -2-12    |           |          |             |           | 0-304071-04        | 7/7/74       | 16   | 13              | 8.2               |          |                      | 5.7 | 17                              | 6-1-7-3-6-4-4-1-1-1-1-3-4-3     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.10            |           |             |
| 30-40-7477-115     | 8180  | -2-12    |           |          |             |           | 0-304072-04        | 7/7/74       | 16   | 13              | 8.1               |          |                      | 5.9 | 12                              | 6-1-7-3-6-4-4-1-1-1-1-3-4-3     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.10            |           |             |
| 30-40-7933-115     | 8280  | -2-12    |           |          |             |           | 0-304073-04        | 7/7/74       | 16   | 14              | 8.2               |          |                      | 5.7 | 20                              | 3-1-7-3-6-4-4-1-1-1-1-4-4-2     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.10            |           |             |
| 30-40-8194-115     | 7258  | -2-12    |           |          |             |           | 0-304074-04        | 7/7/74       | 17   | 14              | 8.1               |          |                      | 5.7 | 20                              | 3-1-7-3-6-4-4-1-1-1-1-4-4-2     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 3.10      |             |
| 30-40-8088-115     | 6038  | -2-12    |           |          |             |           | 0-304075-04        | 7/8/74       | 11   | 12              | 8.1               |          |                      | 6.7 | 20                              | 0-1-7-3-6-4-4-1-1-1-1-4-4-2     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 4.10      |             |
| 30-40-6244-115     | 5912  | -2-12    |           |          |             |           | 0-304076-04        | 7/8/74       | 11   | 12              | 8.1               |          |                      | 6.7 | 20                              | 0-1-7-3-6-4-4-1-1-1-1-4-4-2     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 4.20      |             |
| 30-40-6250-115     | 5927  | -2-12    |           |          |             |           | 0-304077-04        | 7/8/74       | 11   | 13              | 8.1               |          |                      | 6.1 | 75                              | 1-3-1-7-3-6-3-3-1-1-2-4-3-2     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 5.50            |           |             |
| 30-40-6475-115     | 5844  | -2-12    |           |          |             |           | 0-304078-04        | 7/8/74       | 11   | 14              | 9.5               |          |                      | 6.1 | 41                              | 0-1-7-3-6-4-4-1-1-1-2-4-3-2     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.80            |           |             |
| 30-40-6472-115     | 5836  | -2-12    |           |          |             |           | 0-304079-04        | 7/8/74       | 11   | 14              | 7.0               |          |                      | 6.3 | 55                              | 1-5-1-7-3-6-4-4-1-1-1-2-4-3-2   |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 7.30            |           |             |
| 30-40-6611-115     | 5619  | -2-12    |           |          |             |           | 0-304080-04        | 7/8/74       | 12   | 14              | 6.5               | C        |                      | 6.1 | 47                              | 0-1-7-3-6-4-4-1-1-1-2-4-3-2     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 6.20      |             |
| 30-40-6711-115     | 5511  | -2-12    |           |          |             |           | 0-304081-04        | 7/8/74       | 12   | 15              | 9.1               |          |                      | 5.7 | 51                              | 0-1-7-3-6-4-4-1-1-1-2-4-3-2     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 3.90      |             |
| 30-40-6830-115     | 5733  | -2-12    |           |          |             |           | 0-304082-04        | 7/8/74       | 12   | 12              | 8.5               |          |                      | 5.9 | 20                              | 0-1-7-3-6-4-4-1-1-1-1-4-4-2     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 3.90      |             |
| 30-40-6782-115     | 5136  | -2-12    |           |          |             |           | 0-304083-04        | 7/8/74       | 12   | 12              | 10.1              |          |                      | 5.9 | 130                             | 1-3-1-7-3-6-4-4-1-1-1-2-4-3-2   |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 3.70      |             |
| 30-40-6783-115     | 5961  | -2-12    |           |          |             |           | 0-304084-04        | 7/8/74       | 12   | 14              | 10.0              |          |                      | 6.7 | 52                              | 1-2-1-7-3-6-3-3-1-1-2-4-3-2     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 6.90            |           |             |
| 30-40-6466-115     | 6083  | -2-12    |           |          |             |           | 0-304085-04        | 7/8/74       | 12   | 15              | 9.5               |          |                      | 5.9 | 50                              | 1-5-1-7-3-6-4-4-1-1-1-2-4-3-2   |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 3.40      |             |
| 30-40-6438-115     | 5285  | -2-12    |           |          |             |           | 0-304086-04        | 7/8/74       | 13   | 14              | 8.1               |          |                      | 5.7 | 12                              | 1-5-1-7-3-6-4-4-1-1-1-2-4-3-2   |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 3.40      |             |
| 30-40-6633-115     | 5161  | -2-12    |           |          |             |           | 0-304087-04        | 7/8/74       | 13   | 12              | 8.1               |          |                      | 5.7 | 12                              | 0-1-7-3-6-4-4-1-1-1-1-4-4-2     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 3.80      |             |
| 30-40-6663-115     | 4993  | -2-12    |           |          |             |           | 0-304088-04        | 7/8/74       | 13   | 14              | 9.1               |          |                      | 6.1 | 12                              | 0-1-7-3-6-4-4-1-1-1-1-4-4-2     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 3.80      |             |
| 30-40-6877-115     | 4786  | -2-12    |           |          |             |           | 0-304089-04        | 7/8/74       | 13   | 14              | 9.1               |          |                      | 6.1 | 14                              | 1-7-3-6-4-4-1-1-1-1-4-4-2       |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 4.20      |             |
| 30-40-6600-115     | 4755  | -2-12    |           |          |             |           | 0-304090-04        | 7/8/74       | 15   | 14              | 8.4               |          |                      | 5.5 | 12                              | 0-1-7-3-6-4-4-1-1-1-1-4-4-2     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 3.50      |             |
| 30-40-6664-115     | 4711  | -2-12    |           |          |             |           | 0-304091-04        | 7/8/74       | 15   | 14              | 8.5               |          |                      | 5.7 | 15                              | 0-1-7-3-6-4-4-1-1-1-1-4-4-2     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 3.40      |             |
| 30-40-7413-115     | 4827  | -2-12    |           |          |             |           | 0-304094-04        | 7/8/74       | 16   | 13              | 8.5               |          |                      | 6.6 | 16                              | 1-5-1-7-3-6-4-4-1-1-1-1-4-4-2   |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 4.80      |             |
| 30-40-7191-115     | 4827  | -2-12    |           |          |             |           | 0-304095-04        | 7/8/74       | 16   | 11              | 8.5               |          |                      | 5.7 | 17                              | 2-1-1-7-3-6-4-4-1-1-1-1-4-4-2   |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 3.90      |             |
| 30-40-5425-115     | 4461  | -2-12    |           |          |             |           | 0-304096-04        | 7/8/74       | 11   | 14              | 12.2              |          |                      | 5.7 | 30                              | 1-2-1-7-3-6-4-4-1-1-1-1-4-4-2   |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 3.50      |             |
| 30-40-5419-115     | 4450  | -2-12    |           |          |             |           | 0-304097-04        | 7/8/74       | 11   | 14              | 9.2               |          |                      | 5.9 | 30                              | 1-2-1-7-3-6-4-4-1-1-1-1-4-4-2   |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 7.00      |             |
| 30-40-5338-115     | 4494  | -2-12    |           |          |             |           | 0-304098-04        | 7/8/74       | 12   | 14              | 11.0              |          |                      | 5.9 | 22                              | 0-1-7-3-6-4-4-1-1-1-1-4-4-2     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 3.80      |             |
| 30-40-5280-115     | 4396  | -2-12    |           |          |             |           | 0-304099-04        | 7/8/74       | 12   | 16              | 11.0              |          |                      | 5.7 | 22                              | 0-1-7-3-6-4-4-1-1-1-1-4-4-2     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 6.30      |             |
| 30-40-5155-115     | 4377  | -2-11    |           |          |             |           | 0-304100-04        | 7/8/74       | 13   | 15              | 8.2               |          |                      | 4.1 | 41                              | 1-5-1-7-3-6-3-3-1-1-2-4-4-2     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 3.60      |             |
| 30-40-4672-115     | 8350  | -2-12    |           |          |             |           | 0-304101-04        | 7/8/74       | 19   | 12              | 6.0               |          |                      | 5.5 | 60                              | 1-6-1-6-4-4-4-4-1-1-2-4-3-2     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 8.90      |             |
| 30-40-2331-115     | 8361  | -2-12    |           |          |             |           | 0-304102-04        | 7/8/74       | 20   | 9               | 6.1               |          |                      | 5.2 | 34                              | 1-2-6-4-6-4-4-4-1-1-2-4-3-2     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 8.00      |             |
| 30-40-2069-115     | 8691  | -2-12    |           |          |             |           | 0-304103-04        | 7/8/74       | 10   | 6               | 4.5               |          |                      | 5.4 | 38                              | 4-4-1-7-3-6-4-4-1-1-1-2-4-3-2   |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 5.30      |             |
| 30-40-2097-115     | 9044  | -2-12    |           |          |             |           | 0-304104-04        | 7/8/74       | 10   | 5               | 4.4               |          |                      | 5.4 | 32                              | 1-2-1-7-3-6-4-4-1-1-1-1-4-4-2   |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 4.40      |             |
| 30-40-2075-115     | 9000  | -2-13    |           |          |             |           | 0-304105-04        | 7/8/74       | 11   | 10              | 4.9               |          |                      | 5.4 | 32                              | 1-2-1-7-3-6-4-4-1-1-1-1-4-4-2   |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 4.00      |             |
| 30-40-2466-115     | 8558  | -2-12    |           |          |             |           | 0-304106-04        | 7/8/74       | 11   | 10              | 5.0               |          |                      | 5.4 | 20                              | 0-1-7-3-6-4-4-1-1-1-1-4-4-2     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 7.40      |             |
| 30-40-1947-115     | 8516  | -2-15    |           |          |             |           | 0-304107-04        | 7/8/74       | 12   | 13              |                   |          |                      | 5.4 | 20                              | 0-2-1-7-3-6-4-4-1-1-1-1-4-4-2   |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 3.40      |             |
| 30-40-1961-115     | 8088  | -2-12    |           |          |             |           | 0-304108-04        | 7/8/74       | 12   | 12              | 4.3               |          |                      | 5.7 | 43                              | 0-3-3-1-4-6-6-4-4-1-1-2-1-4-3-2 |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 6.10            |           |             |
| 30-40-1966-115     | 8093  | -2-12    |           |          |             |           | 0-304109-04        | 7/8/74       | 12   | 12              | 4.3               |          |                      | 5.7 | 43                              | 0-3-3-1-4-6-6-4-4-1-1-2-1-4-3-2 |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 5.20            |           |             |
| 30-40-1722-115     | 7825  | -2-12    |           |          |             |           | 0-304110-04        | 7/8/74       | 13   | 10              | 4.8               |          |                      | 5.9 | 40                              | 1-2-1-4-6-6-3-2-1-1-1-4-3-2     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 3.30      |             |
| 30-40-1661-115     | 7414  | -2-12    |           |          |             |           | 0-304111-04        | 7/8/74       | 13   | 10              | 4.8               |          |                      | 5.7 | 76                              | 1-2-3-1-6-4-4-3-1-1-2-4-3-2     |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 | 3.50      |             |
| 30-40-1586-115     | 7938  | -2-12    |           |          |             |           | 0-304112-04        | 7/8/74       | 13   | 10              | 4.8               |          |                      |     |                                 |                                 |           |            |               |                |            |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                 |           |             |

# LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| ERDA SAMPLE NUMBER |          |           |          | LASL SAMPLE NUMBER AND FIELD DATA |           |                    |          |              |                 |                   |                      |     |                                 |                      | U CONCENTRATION |            |               |                |            |             |             |                 |                    |        |         |           |           |                     |                   |   |       |       |   |      |      |
|--------------------|----------|-----------|----------|-----------------------------------|-----------|--------------------|----------|--------------|-----------------|-------------------|----------------------|-----|---------------------------------|----------------------|-----------------|------------|---------------|----------------|------------|-------------|-------------|-----------------|--------------------|--------|---------|-----------|-----------|---------------------|-------------------|---|-------|-------|---|------|------|
| STATE              | LATITUDE | LONGITUDE | ERDA LAB | SAMPLE TYPE                       | REPLICATE | LAST SAMPLE NUMBER | DATE     | TIME SAMPLED | AIR TEMPERATURE | WATER TEMPERATURE | SPECIAL MEASUREMENTS | pH  | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLOMETER (dpm) | ROCK TYPE       | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | OWNERSHIP | WELL TYPE | WELL DEPTH (INCHES) | WELL DEPTH (FEET) | SAMPLE TYPES TO ONE WELL IN 11.20 OR DEEPER |       |       |   |      |      |
| 30-48              | 0654     | 115.415   | 05-12    |                                   |           | 0-304123           | 06/24/74 | 16           | 12              | 7.2-C             |                      | 5.4 | 16                              |                      | A-1-7           | 6-4        | 2             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 5.80  |       |       |   |      |      |
| 30-48              | 0654     | 115.415   | 05-12    |                                   |           | 0-304124           | 06/24/74 | 16           | 16              | 6.8-C             |                      | 6.1 | 7                               |                      | A-1-7           | 6-4        | 1             | 2              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 8.70  |       |   |      |      |
| 30-48              | 0633     | 115.772   | 05-12    |                                   |           | 0-304125           | 06/24/74 | 14           | 14              | 6.1-C             |                      | 6.2 | 99                              |                      | A-1-6           | 3-5        | 4             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 4.50  |       |   |      |      |
| 30-48              | 0566     | 115.887   | 05-12    |                                   |           | 0-304126           | 06/25/74 | 12           | 12              | 6.1-C             |                      | 6.3 | 11                              |                      | A-1-6           | 3-6        | 5             | 4              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 4.00  |       |   |      |      |
| 30-48              | 0700     | 115.922   | 05-12    |                                   |           | 0-304127           | 06/25/74 | 12           | 11              | 6.0-C             |                      | 5.2 | 30                              |                      | A-1-6           | 3-6        | 5             | 4              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 8.10  |       |   |      |      |
| 30-48              | 0822     | 115.958   | 05-12    |                                   |           | 0-304128           | 06/25/74 | 12           | 11              | 6.8-C             |                      | 5.2 | 30                              |                      | A-1-6           | 3-6        | 4             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 7.40  |       |   |      |      |
| 30-48              | 1089     | 115.994   | 05-11    |                                   |           | 0-304129           | 06/25/74 | 13           | 13              | 6.9-C             |                      | 5.2 | 30                              |                      | A-1-6           | 3-6        | 3             | 4              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 6.00  |       |   |      |      |
| 30-48              | 1105     | 115.993   | 05-12    |                                   |           | 0-304130           | 06/25/74 | 14           | 14              | 6.9-C             |                      | 6.2 | 41                              |                      | A-1-7           | 6-4        | 4             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 6.00  |       |   |      |      |
| 30-48              | 1111     | 115.983   | 05-12    |                                   |           | 0-304131           | 06/25/74 | 14           | 14              | 7.0-C             |                      | 6.2 | 30                              |                      | A-1-7           | 6-4        | 4             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 6.00  |       |   |      |      |
| 30-48              | 1283     | 115.969   | 05-12    |                                   |           | 0-304132           | 06/25/74 | 14           | 16              | 6.5-C             |                      | 5.6 | 42                              |                      | A-1-8           | 6-6        | 4             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 4.70  |       |   |      |      |
| 30-48              | 0450     | 115.975   | 05-12    |                                   |           | 0-304133           | 06/25/74 | 15           | 16              | 17.5-C            |                      | 5.0 | 32                              |                      | A-1-6           | 3-6        | 2             | 4              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 4.30  |       |   |      |      |
| 30-48              | 0164     | 115.974   | 05-12    |                                   |           | 0-304134           | 06/25/74 | 15           | 12              |                   |                      | 5.0 | 25                              |                      | A-1-6           | 3-6        | 3             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 6.30  |       |   |      |      |
| 30-48              | 0047     | 115.987   | 05-12    |                                   |           | 0-304135           | 06/25/74 | 15           | 17              | 7.0-C             |                      | 5.6 | 20                              |                      | A-1-7           | 6-6        | 3             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 7.60  |       |   |      |      |
| 30-48              | 0302     | 115.981   | 05-12    |                                   |           | 0-304136           | 06/25/74 | 16           | 17              | 9.1-C             |                      | 5.6 | 20                              |                      | A-1-6           | 3-6        | 3             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 6.10  |       |   |      |      |
| 30-48              | 0202     | 115.906   | 05-12    |                                   |           | 0-304137           | 06/25/74 | 16           | 18              | 10.2-C            |                      | 5.6 | 26                              |                      | A-1-6           | 3-6        | 3             | 2              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 15.80 |       |   |      |      |
| 30-48              | 0202     | 115.905   | 05-12    |                                   |           | 0-304138           | 06/25/74 | 17           | 16              | 7.0-C             |                      | 5.0 | 60                              |                      | A-1-6           | 3-6        | 4             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 5.80  |       |   |      |      |
| 30-48              | 4513     | 115.761   | 05-12    |                                   |           | 0-304140           | 06/25/74 | 19           | 16              | 7.1-C             |                      | 5.9 | 180                             |                      | A-1-7           | 6-6        | 3             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 5.10  |       |   |      |      |
| 30-48              | 4488     | 115.739   | 05-12    |                                   |           | 0-304141           | 06/25/74 | 19           | 18              | 7.3-C             |                      | 5.7 | 52                              |                      | A-1-7           | 6-6        | 3             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 4.20  |       |   |      |      |
| 30-48              | 4472     | 115.714   | 05-12    |                                   |           | 0-304142           | 06/25/74 | 11           | 19              |                   |                      | 5.7 | 52                              |                      | A-1-7           | 6-6        | 2             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 4.00  |       |   |      |      |
| 30-48              | 4272     | 115.633   | 05-12    |                                   |           | 0-304143           | 06/25/74 | 11           | 18              |                   |                      | 5.4 | 36                              |                      | A-1-7           | 6-6        | 3             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 3.60  |       |   |      |      |
| 30-48              | 4241     | 115.630   | 05-12    |                                   |           | 0-304144           | 06/25/74 | 11           | 18              | 6.4-C             |                      | 5.4 | 36                              |                      | A-1-6           | 3-6        | 3             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 8.40  |       |   |      |      |
| 30-48              | 4394     | 115.632   | 05-12    |                                   |           | 0-304145           | 06/25/74 | 12           | 13              | 8.9-C             |                      | 5.7 | 51                              |                      | A-1-7           | 6-6        | 3             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 4.70  |       |   |      |      |
| 30-48              | 4602     | 115.626   | 05-12    |                                   |           | 0-304146           | 06/25/74 | 12           | 18              | 12.2-C            |                      | 6.4 | 178                             |                      | A-1-7           | 6-6        | 2             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 5.00  |       |   |      |      |
| 30-48              | 4736     | 115.625   | 05-12    |                                   |           | 0-304147           | 06/25/74 | 12           | 19              |                   |                      | 5.7 | 48                              |                      | A-1-7           | 6-6        | 1             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 4.20  |       |   |      |      |
| 30-48              | 4794     | 115.623   | 05-12    |                                   |           | 0-304148           | 06/25/74 | 12           | 15              | 8.1-C             |                      | 5.7 | 48                              |                      | A-1-7           | 6-6        | 3             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 5.30  |       |   |      |      |
| 30-48              | 4609     | 115.663   | 05-12    |                                   |           | 0-304149           | 06/25/74 | 13           | 15              | 6.7-C             |                      | 5.1 | 20                              |                      | A-1-7           | 6-6        | 3             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 1     | 11.80 |   |      |      |
| 30-48              | 4011     | 115.663   | 05-12    |                                   |           | 0-304150           | 06/25/74 | 13           | 12              | 6.5-C             |                      | 5.8 | 34                              |                      | A-1-7           | 6-6        | 3             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 1     | 6.20  |   |      |      |
| 30-48              | 2894     | 115.663   | 05-12    |                                   |           | 0-304151           | 06/25/74 | 13           | 13              | 5.9-C             |                      | 5.8 | 33                              |                      | A-1-7           | 6-6        | 4             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 1     | 4.10  |   |      |      |
| 30-48              | 1450     | 115.661   | 05-12    |                                   |           | 0-304152           | 06/25/74 | 15           | 10              | 5.8-C             |                      | 5.8 | 56                              |                      | A-1-6           | 3-6        | 3             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 1     | 3.40  |   |      |      |
| 30-48              | 1475     | 115.627   | 05-12    |                                   |           | 0-304153           | 06/25/74 | 15           | 14              | 5.3-C             |                      | 5.4 | 40                              |                      | A-1-1           | 6-4        | 3             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 1     | 6.60  |   |      |      |
| 30-48              | 0522     | 115.716   | 05-12    |                                   |           | 0-304154           | 06/25/74 | 18           | 10              | 5.0-C             |                      | 5.7 | 44                              |                      | A-1-4           | 6-3        | 3             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 1     | 3.40  |   |      |      |
| 30-48              | 0438     | 115.647   | 05-12    |                                   |           | 0-304156           | 06/25/74 | 17           | 8               | 6.9-C             |                      | 5.6 | 8                               |                      | A-1-7           | 6-6        | 3             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 1     | 6.30  |   |      |      |
| 30-48              | 0622     | 115.647   | 05-12    |                                   |           | 0-304157           | 06/25/74 | 19           | 7               | 4.3-C             |                      | 5.0 | 7                               |                      | A-1-7           | 6-6        | 5             | 4              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 1     | 3.50  |   |      |      |
| 30-48              | 0702     | 115.678   | 05-12    |                                   |           | 0-304158           | 06/25/74 | 19           | 6               | 4.9-C             |                      | 5.0 | 6                               |                      | A-1-1           | 6-7        | 5             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 1     | 4.10  |   |      |      |
| 30-48              | 0712     | 115.708   | 05-12    |                                   |           | 0-304159           | 06/25/74 | 19           | 6               | 5.2-C             |                      | 5.0 | 4                               |                      | A-1-7           | 6-6        | 4             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 1     | 5.60  |   |      |      |
| 30-48              | 0180     | 115.706   | 05-12    |                                   |           | 0-304160           | 06/25/74 | 19           | 7               | 7.0-C             |                      | 5.1 | 21                              |                      | A-1-1           | 6-6        | 4             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 1     | 7.20  |   |      |      |
| 30-48              | 1308     | 115.769   | 05-12    |                                   |           | 0-304161           | 06/25/74 | 21           | 10              | 7.8-C             |                      | 6.4 | 148                             |                      | A-1-7           | 6-6        | 3             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 1     | 2.90  |   |      |      |
| 30-48              | 3686     | 115.353   | 05-12    |                                   |           | 0-304162           | 06/11/74 | 12           | 19              |                   |                      | 6.4 | 148                             |                      | A-2-8           | 6-6        | 3             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 0.80  |       |   |      |      |
| 30-48              | 3688     | 115.353   | 05-12    |                                   |           | 0-304163           | 06/11/74 | 12           | 18              | 11.1-C            |                      | 6.5 | 34                              |                      | A-1-6           | 3-7        | 3             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 1     | 3.40  |   |      |      |
| 30-48              | 3625     | 115.328   | 05-12    |                                   |           | 0-304164           | 06/11/74 | 12           | 18              | 7.1-C             |                      | 6.5 | 36                              |                      | A-1-7           | 6-6        | 3             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 1     | 2.70  |   |      |      |
| 30-48              | 4096     | 115.361   | 05-12    |                                   |           | 0-304165           | 06/11/74 | 12           | 13              | 6.8-C             |                      | 6.3 | 130                             |                      | A-1-6           | 3-6        | 3             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 1     | 1     | 1 | 1.40 |      |
| 30-48              | 4100     | 115.368   | 05-12    |                                   |           | 0-304166           | 06/11/74 | 12           | 13              | 5.7-C             |                      | 6.3 | 30                              |                      | A-1-6           | 3-6        | 3             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 1     | 1     | 1 | 1    | 1.00 |
| 30-48              | 4083     | 115.368   | 05-12    |                                   |           | 0-304167           | 06/11/74 | 13           | 14              | 5.7-C             |                      | 5.9 | 140                             |                      | A-1-6           | 3-6        | 2             | 3              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 1     | 1     | 1 | 5.40 |      |
| 30-48              | 4505     | 115.311   | 05-12    |                                   |           | 0-304168           | 06/11/74 | 13           | 14              | 6.0-C             |                      | 6.1 | 70                              |                      | A-1-7           | 6-6        | 3             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 1     | 1     | 1 | 3.60 |      |
| 30-48              | 4772     | 115.358   | 05-12    |                                   |           | 0-304169           | 06/11/74 | 13           | 13              | 8.2-C             |                      | 6.7 | 350                             |                      | A-1-7           | 6-6        | 4             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 1     | 1     | 1 | 3.90 |      |
| 30-48              | 4825     | 115.349   | 05-12    |                                   |           | 0-304170           | 06/11/74 | 14           | 12              | 9.2-C             |                      | 5.5 | 70                              |                      | A-1-6           | 3-7        | 3             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 1     | 1     | 1 | 5.50 |      |
| 30-48              | 4827     | 115.348   | 05-12    |                                   |           | 0-304171           | 06/11/74 | 14           | 16              |                   |                      | 5.5 | 14                              |                      | A-1-6           | 3-6        | 1             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 1     | 1     | 1 | 3.40 |      |
| 30-48              | 4702     | 115.308   | 05-12    |                                   |           | 0-304172           | 06/11/74 | 14           | 13              | 10.8-C            |                      | 6.1 | 145                             |                      | A-1-7           | 6-7        | 3             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 1     | 1     | 1 | 5.20 |      |
| 30-48              | 4311     | 115.308   | 05-12    |                                   |           | 0-304173           | 06/11/74 | 14           | 13              | 7.0-C             |                      | 6.3 | 380                             |                      | A-1-7           | 6-7        | 4             | 1              | 1          | 1           | 1           | 1               | 1                  | 1      | 1       | 1         | 1         | 1                   | 1                 | 1   | 1     | 1     | 1 | 0.50 |      |
| 30-48              | 3444     | 115.307   | 05-12    |                                   |           | 0-304174           | 06/11/74 | 15           | 15              | 9.4-C             |                      | 6.6 | 400                             |                      |                 |            |               |                |            |             |             |                 |                    |        |         |           |           |                     |                   |   |       |       |   |      |      |

LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| STATE | LATITUDE | LONGITUDE | ERPA LAB | SAMPLE TYPE | REPLICATE | LAST SAMPLE NUMBER   | TIME SAMPLED |      | AIR TEMPERATURE | WATER TEMPERATURE | SPECIAL MEASUREMENTS | PH  | SPECIFIC CONDUCTANCE (umhos/cm) | SCINTILLOMETER (d/PPM) | LASL SAMPLE NUMBER AND FIELD DATA |            |               |                |            |             |             |                |                 |                    |        | U CONCENTRATION SAMPLE TYPES in ppm | WATER SAMPLE TYPES in ppm | SEDIMENT SAMPLE TYPES in ppm |         |           |              |           |
|-------|----------|-----------|----------|-------------|-----------|----------------------|--------------|------|-----------------|-------------------|----------------------|-----|---------------------------------|------------------------|-----------------------------------|------------|---------------|----------------|------------|-------------|-------------|----------------|-----------------|--------------------|--------|-------------------------------------|---------------------------|------------------------------|---------|-----------|--------------|-----------|
|       |          |           |          |             |           |                      | DATE         | HOUR |                 |                   |                      |     |                                 |                        | ROCK TYPE                         | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF |                                     |                           |                              | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE |
| 30-48 | 3127-115 | 2658-2-12 |          |             |           | 0-304176-06/11/74-16 |              | 12   | 6.1             |                   | 6.2                  | 300 | 4-1-6-3-1-3-4-1-1-2-5-5-2-1     |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 1.20      |              |           |
| 30-48 | 3087-115 | 2505-2-12 |          |             |           | 0-304177-06/11/74-16 |              | 13   | 8.2             |                   | 6.5                  | 325 | 1-4-1-7-3-6-3-4-1-1-2-4-4-2-1   |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 2.90      |              |           |
| 30-48 | 2927-115 | 2505-2-12 |          |             |           | 0-304178-06/11/74-16 |              | 13   | 8.2             |                   | 6.5                  | 290 | 1-4-1-7-3-6-3-4-1-1-2-4-4-2-1   |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 2.00      |              |           |
| 30-48 | 2727-115 | 2894-2-12 |          |             |           | 0-304179-06/11/74-16 |              | 12   | 8.3             |                   | 6.1                  | 270 | 2-1-6-3-6-3-4-1-1-2-5-5-2-1     |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 4.20      |              |           |
| 30-48 | 3370-115 | 3138-2-12 |          |             |           | 0-304180-06/11/74-17 |              | 13   | 9.0             |                   | 6.1                  | 250 | 4-1-6-3-6-3-4-1-1-2-4-4-2-1     |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 3.30      |              |           |
| 30-48 | 3091-115 | 2632-2-12 |          |             |           | 0-304181-06/11/74-17 |              | 12   | 8.0             |                   | 6.5                  | 290 | 1-4-1-7-4-6-6-3-1-1-2-3-3-3-1   |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 3.10      |              |           |
| 30-48 | 3005-115 | 3694-2-12 |          |             |           | 0-304182-06/11/74-18 |              | 14   | 8.0             |                   | 6.8                  | 390 | 1-4-1-7-4-6-6-3-1-1-2-3-3-3-1   |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 2.30      |              |           |
| 30-48 | 2438-115 | 3158-2-12 |          |             |           | 0-304183-06/11/74-18 |              | 14   | 8.0             |                   | 6.8                  | 490 | 1-4-1-7-4-6-6-3-1-1-2-3-3-3-1   |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 2.50      |              |           |
| 30-48 | 2467-115 | 2748-2-12 |          |             |           | 0-304184-06/11/74-18 |              | 13   | 9.2             |                   | 6.8                  | 240 | 1-4-1-7-4-6-6-3-1-1-2-3-3-3-1   |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 4.00      |              |           |
| 30-48 | 3716-115 | 3102-2-12 |          |             |           | 0-304185-06/12/74-18 |              | 13   | 9.2             |                   | 6.8                  | 510 | 1-4-1-7-4-6-6-3-1-1-2-3-3-3-1   |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 2.10      |              |           |
| 30-48 | 3965-115 | 3305-2-12 |          |             |           | 0-304186-06/12/74-18 |              | 11   | 9.4             |                   | 5.6                  | 170 | 1-4-1-7-4-6-6-3-1-1-2-3-3-3-1   |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 2.90      |              |           |
| 30-48 | 3450-115 | 2566-2-12 |          |             |           | 0-304187-06/12/74-18 |              | 9    | 7.3             |                   | 6.6                  | 190 | 1-4-1-7-4-6-6-3-1-1-2-3-3-3-1   |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 6.70      |              |           |
| 30-48 | 3833-115 | 2626-2-12 |          |             |           | 0-304188-06/12/74-18 |              | 11   | 10.1            |                   | 5.7                  | 117 | 1-4-1-7-4-6-6-3-1-1-2-3-3-3-1   |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 12.50     |              |           |
| 30-48 | 4244-115 | 3011-2-12 |          |             |           | 0-304189-06/12/74-18 |              | 11   | 9.8             |                   | 5.8                  | 53  | 2-1-7-4-6-6-3-1-1-2-3-3-3-1     |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 4.90      |              |           |
| 30-48 | 4985-115 | 2783-2-12 |          |             |           | 0-304190-06/12/74-18 |              | 12   | 9.8             |                   | 5.6                  | 440 | 2-1-7-4-6-6-3-1-1-2-3-3-3-1     |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 4.90      |              |           |
| 30-48 | 4691-115 | 2019-2-12 |          |             |           | 0-304191-06/12/74-18 |              | 13   | 9.2             |                   | 5.6                  | 39  | 1-4-1-7-4-6-6-3-1-1-2-3-3-3-1   |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 6.30      |              |           |
| 30-48 | 4672-115 | 2019-2-12 |          |             |           | 0-304192-06/12/74-18 |              | 11   | 9.2             |                   | 5.6                  | 39  | 1-4-1-7-4-6-6-3-1-1-2-3-3-3-1   |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 6.40      |              |           |
| 30-48 | 4733-115 | 1816-2-15 |          |             |           | 0-304193-06/12/74-18 |              | 9    | 0               |                   | 0                    | 0   | 1-4-1-7-4-6-6-3-1-1-2-3-3-3-1   |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 5.30      |              |           |
| 30-48 | 4702-115 | 1647-2-15 |          |             |           | 0-304194-06/12/74-18 |              | 11   | 0               |                   | 0                    | 0   | 1-4-1-7-4-6-6-3-1-1-2-3-3-3-1   |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 6.50      |              |           |
| 30-48 | 4713-115 | 1447-2-11 |          |             |           | 0-304195-06/12/74-18 |              | 10   | 4.9             |                   | 5.5                  | 38  | 1-4-1-7-4-6-6-3-1-1-2-3-3-3-1   |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 6.80      |              |           |
| 30-48 | 4683-115 | 1386-2-12 |          |             |           | 0-304196-06/12/74-18 |              | 10   | 9.3             |                   | 5.5                  | 37  | 1-4-1-7-4-6-6-3-1-1-2-3-3-3-1   |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 6.90      |              |           |
| 30-48 | 4719-115 | 1231-2-12 |          |             |           | 0-304197-06/12/74-18 |              | 10   | 9.6             |                   | 6.2                  | 120 | 1-4-1-7-4-6-6-3-1-1-2-3-3-3-1   |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 6.40      |              |           |
| 30-48 | 4177-115 | 2105-2-12 |          |             |           | 0-304198-06/12/74-18 |              | 10   | 9.6             |                   | 6.2                  | 120 | 1-4-1-7-4-6-6-3-1-1-2-3-3-3-1   |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 6.40      |              |           |
| 30-48 | 4177-115 | 2105-2-12 |          |             |           | 0-304199-06/12/74-18 |              | 8    | 9.3             |                   | 5.8                  | 47  | 1-4-1-7-4-6-6-3-1-1-2-3-3-3-1   |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 12.10     |              |           |
| 30-48 | 4177-115 | 2105-2-12 |          |             |           | 0-304200-06/12/74-18 |              | 8    | 9.3             |                   | 5.8                  | 47  | 1-4-1-7-4-6-6-3-1-1-2-3-3-3-1   |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 2.70      |              |           |
| 30-48 | 5969-114 | 7704-2-12 |          |             |           | 0-304201-06/13/74-10 |              | 6    | 4.8             |                   | 6.3                  | 275 | 7-4-1-2-6-6-4-1-2-1-5-5-3-1     |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 2.70      |              |           |
| 30-48 | 6011-114 | 8011-2-12 |          |             |           | 0-304202-06/13/74-10 |              | 6    | 7.2             |                   | 6.0                  | 240 | 4-4-4-2-3-3-3-1-1-2-1-6-5-5-1   |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 2.60      |              |           |
| 30-48 | 6005-114 | 8055-2-12 |          |             |           | 0-304203-06/13/74-10 |              | 3    | 4.0             |                   | 6.0                  | 240 | 4-4-4-2-3-3-3-1-1-2-1-6-5-5-1   |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 2.40      |              |           |
| 30-48 | 6107-114 | 8027-2-12 |          |             |           | 0-304204-06/13/74-11 |              | 3    | 4.2             |                   | 7.2                  | 330 | 4-4-4-2-3-3-3-1-1-2-1-6-5-5-1   |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 1.60      |              |           |
| 30-48 | 5800-114 | 7791-2-12 |          |             |           | 0-304205-06/13/74-11 |              | 4    | 5.0             |                   | 7.2                  | 325 | 7-2-7-4-6-6-3-1-1-4-5-6-6-1     |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 2.30      |              |           |
| 30-48 | 5777-114 | 8183-2-12 |          |             |           | 0-304206-06/13/74-11 |              | 6    | 4.5             |                   | 6.0                  | 210 | 1-4-4-3-6-3-3-1-1-4-5-5-5-1     |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 2.70      |              |           |
| 30-48 | 5730-114 | 8294-2-12 |          |             |           | 0-304207-06/13/74-11 |              | 6    | 3.9             |                   | 7.0                  | 300 | 9-4-2-1-3-3-1-1-4-5-6-6-1       |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 2.70      |              |           |
| 30-48 | 5433-114 | 8134-2-12 |          |             |           | 0-304208-06/13/74-11 |              | 6    | 5.0             |                   | 7.2                  | 270 | 7-2-7-4-6-6-3-1-1-4-5-6-6-1     |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 1.50      |              |           |
| 30-48 | 5411-114 | 8134-2-12 |          |             |           | 0-304209-06/13/74-12 |              | 4    | 3.6             |                   | 7.5                  | 250 | 1-3-7-2-3-6-4-1-2-1-4-5-4-1     |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 2.10      |              |           |
| 30-48 | 5333-114 | 8652-2-12 |          |             |           | 0-304210-06/13/74-13 |              | 4    | 3.6             |                   | 7.5                  | 250 | 9-4-2-1-3-3-3-1-1-4-5-6-6-1     |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 2.30      |              |           |
| 30-48 | 5403-114 | 8652-2-12 |          |             |           | 0-304211-06/13/74-13 |              | 4    | 3.6             |                   | 7.5                  | 250 | 9-4-2-1-3-3-3-1-1-4-5-6-6-1     |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 2.00      |              |           |
| 30-48 | 5433-114 | 8652-2-12 |          |             |           | 0-304212-06/13/74-13 |              | 4    | 4.2             |                   | 7.2                  | 290 | 9-3-7-2-6-6-4-1-2-1-4-5-4-1     |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 2.50      |              |           |
| 30-48 | 5403-114 | 8652-2-12 |          |             |           | 0-304213-06/13/74-13 |              | 6    | 4.5             |                   | 7.2                  | 290 | 7-1-6-2-3-3-1-1-4-5-6-6-1       |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 2.50      |              |           |
| 30-48 | 5602-114 | 9502-2-12 |          |             |           | 0-304214-06/13/74-14 |              | 6    | 6.0             |                   | 7.6                  | 320 | 7-4-4-6-2-3-1-1-4-5-6-6-1       |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 2.30      |              |           |
| 30-48 | 5238-114 | 9377-2-12 |          |             |           | 0-304215-06/13/74-14 |              | 6    | 5.5             |                   | 7.2                  | 260 | 1-2-7-4-6-6-3-1-1-4-5-6-6-1     |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 2.30      |              |           |
| 30-48 | 5155-114 | 8997-2-12 |          |             |           | 0-304216-06/13/74-15 |              | 6    | 4.8             |                   | 7.2                  | 250 | 7-4-4-3-3-3-1-1-4-5-6-6-1       |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 2.60      |              |           |
| 30-48 | 5019-114 | 9579-2-12 |          |             |           | 0-304217-06/13/74-15 |              | 4    | 5.5             |                   | 7.2                  | 250 | 7-4-4-3-3-3-1-1-4-5-6-6-1       |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 4.60      |              |           |
| 30-48 | 5266-114 | 9705-2-12 |          |             |           | 0-304218-06/13/74-15 |              | 4    | 5.5             |                   | 7.2                  | 40  | 6-6-5-6-2-2-1-1-4-5-6-6-1       |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 2.60      |              |           |
| 30-48 | 5386-114 | 9582-2-12 |          |             |           | 0-304219-06/13/74-15 |              | 4    | 5.5             |                   | 7.2                  | 40  | 6-6-5-6-2-2-1-1-4-5-6-6-1       |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 4.20      |              |           |
| 30-48 | 5536-114 | 9582-2-12 |          |             |           | 0-304220-06/13/74-16 |              | 4    | 6.2             |                   | 6.8                  | 110 | 9-2-3-2-3-3-1-1-4-5-6-6-1       |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 6.70      |              |           |
| 30-48 | 5636-114 | 9582-2-12 |          |             |           | 0-304221-06/13/74-16 |              | 5    | 4.5             |                   | 7.0                  | 160 | 9-2-3-2-3-3-1-1-4-5-6-6-1       |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 3.90      |              |           |
| 30-48 | 5911-114 | 9652-2-12 |          |             |           | 0-304222-06/13/74-16 |              | 5    | 5.2             |                   | 6.4                  | 280 | 6-4-4-6-3-3-1-1-4-5-6-6-1       |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 3.00      |              |           |
| 30-48 | 6088-114 | 9555-2-12 |          |             |           | 0-304223-06/13/74-16 |              | 5    | 6.0             |                   | 8.0                  | 320 | 1-4-4-3-3-3-1-1-4-5-6-6-1       |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 2.30      |              |           |
| 30-48 | 6005-114 | 9722-2-12 |          |             |           | 0-304224-06/13/74-16 |              | 8    | 4.2             |                   | 7.1                  | 110 | 9-3-7-4-6-4-1-2-1-4-5-6-6-1     |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 3.40      |              |           |
| 30-48 | 6033-114 | 9472-2-12 |          |             |           | 0-304225-06/13/74-17 |              | 8    | 6.1             |                   | 7.5                  | 190 | 6-2-7-1-3-3-6-4-1-2-1-4-5-6-6-1 |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 5.20      |              |           |
| 30-48 | 6111-114 | 9394-2-12 |          |             |           | 0-304226-06/13/74-17 |              | 8    | 6.1             |                   | 7.5                  | 170 | 6-6-4-3-3-3-1-1-4-5-6-6-1       |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         | 2.40      |              |           |
| 30-48 | 6191-114 | 9284-2-   |          |             |           |                      |              |      |                 |                   |                      |     |                                 |                        |                                   |            |               |                |            |             |             |                |                 |                    |        |                                     |                           |                              |         |           |              |           |



LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| STATE | LATITUDE  | LONGITUDE | ERDA LAB | SAMPLE TYPE | REPLICATE | LASL SAMPLE NUMBER  | TIME SAMPLED |      | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLOMETER (CU DPM) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | WATER FLOW | WATER LEVEL | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | U CONCENTRATION      |                         |
|-------|-----------|-----------|----------|-------------|-----------|---------------------|--------------|------|-----------------|-------------------|----------|---------------------------------|-------------------------|-----------|------------|---------------|------------|-------------|----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|----------------------|-------------------------|
|       |           |           |          |             |           |                     | DATE         | HOUR |                 |                   |          |                                 |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | SAMPLE TYPE IN WATER | SAMPLE TYPE IN SEDIMENT |
| 00-48 | 4277-11.5 | 3055-2-12 |          |             |           | 0-304366-06/5774-18 |              | 6    | 6.9             |                   | 162      | 12-1-7-1-7-6-1-2-3-5-5-3        |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.90               |                      |                         |
| 00-48 | 4277-11.5 | 2950-2-12 |          |             |           | 0-304347-06/5774-9  |              | 6    | 6.2             |                   | 167      | 7-1-7-2-7-4-6-2-2-1-4-3-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.90               |                      |                         |
| 00-48 | 4700-11.5 | 2766-2-12 |          |             |           | 0-304348-06/5774-9  |              | 6    | 6.4             |                   | 159      | 4-1-7-2-7-4-4-2-2-1-4-3-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.40               |                      |                         |
| 00-48 | 4716-11.5 | 2955-2-12 |          |             |           | 0-304449-06/5774-9  |              | 6    | 6.4             |                   | 309      | 3-1-7-2-7-2-1-2-1-4-4-2         |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 4.30               |                      |                         |
| 00-48 | 4683-11.5 | 3394-2-12 |          |             |           | 0-304450-06/5774-10 |              | 7    | 3.9             |                   | 219      | 4-1-7-2-7-4-6-1-2-1-4-4-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.90               |                      |                         |
| 00-48 | 4727-11.5 | 3322-2-12 |          |             |           | 0-304351-06/5774-10 |              | 7    | 3.8             |                   | 67       | 5-1-7-2-7-4-6-1-2-1-4-4-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.60               |                      |                         |
| 00-48 | 4727-11.5 | 3900-2-12 |          |             |           | 0-304352-06/5774-10 |              | 7    | 4.0             |                   | 55       | 10-1-7-2-7-4-6-1-2-1-4-4-2      |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.20               |                      |                         |
| 00-48 | 4175-11.5 | 3761-2-12 |          |             |           | 0-304353-06/5774-11 |              | 7    | 3.1             |                   | 283      | 7-1-7-2-7-4-6-1-2-1-4-4-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.70               |                      |                         |
| 00-48 | 4166-11.5 | 3772-2-12 |          |             |           | 0-304354-06/5774-11 |              | 7    | 4.1             |                   | 372      | 5-1-7-2-7-4-6-1-2-1-4-4-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 4.20               |                      |                         |
| 00-48 | 4261-11.5 | 4155-2-12 |          |             |           | 0-304355-06/5774-13 |              | 9    | 3.8             |                   | 241      | 5-1-1-3-6-4-4-1-2-1-4-4-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.20               |                      |                         |
| 00-48 | 4272-11.5 | 4227-2-12 |          |             |           | 0-304356-06/5774-13 |              | 9    | 6.6             |                   | 240      | 4-1-1-3-6-4-4-1-2-1-4-4-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 1.80               |                      |                         |
| 00-48 | 4322-11.5 | 4227-2-12 |          |             |           | 0-304357-06/5774-13 |              | 7    | 4.0             |                   | 282      | 2-1-1-3-6-4-4-1-2-1-4-4-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 1.00               |                      |                         |
| 00-48 | 4322-11.5 | 4350-2-12 |          |             |           | 0-304358-06/5774-13 |              | 8    | 4.3             |                   | 185      | 13-1-1-3-6-4-4-1-2-1-4-4-2      |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.70               |                      |                         |
| 00-48 | 4333-11.5 | 4672-2-12 |          |             |           | 0-304359-06/5774-14 |              | 8    | 5.9             |                   | 27       | 3-1-7-2-7-4-6-1-2-1-4-3-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.60               |                      |                         |
| 00-48 | 4327-11.5 | 4701-2-12 |          |             |           | 0-304361-06/5774-15 |              | 11   | 9.8             |                   | 289      | 4-1-7-2-7-4-6-1-2-1-4-4-1-2     |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.70               |                      |                         |
| 00-48 | 4469-11.5 | 4852-2-12 |          |             |           | 0-304362-06/5774-16 |              | 10   | 9.8             |                   | 277      | 7-1-7-2-7-4-6-1-2-1-4-4-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.90               |                      |                         |
| 00-48 | 4425-11.5 | 4852-2-12 |          |             |           | 0-304363-06/5774-17 |              | 12   | 8.0             |                   | 217      | 4-1-7-2-7-4-6-1-2-1-4-4-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.90               |                      |                         |
| 00-48 | 4775-11.5 | 4836-2-12 |          |             |           | 0-304364-06/5774-17 |              | 10   | 3.5             |                   | 39       | 4-1-7-2-7-4-6-1-2-1-4-4-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.40               |                      |                         |
| 00-48 | 4892-11.5 | 4927-2-12 |          |             |           | 0-304365-06/5774-16 |              | 10   | 5.6             |                   | 32       | 2-1-7-2-7-4-6-1-2-1-4-4-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 10.70              |                      |                         |
| 00-48 | 4894-11.5 | 4744-2-12 |          |             |           | 0-304366-06/5774-15 |              | 15   | 8.2             |                   | 12       | 6-1-7-2-7-4-6-1-1-4-4-3         |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.00               |                      |                         |
| 00-48 | 4722-11.5 | 4733-2-12 |          |             |           | 0-304367-06/5774-20 |              | 12   | 6.0             |                   | 39       | 10-1-7-2-7-4-6-1-2-1-4-4-2      |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.00               |                      |                         |
| 00-48 | 7555-11.5 | 3360-2-12 |          |             |           | 0-304368-06/5774-11 |              | 8    | 6.2             |                   | 20       | 14-1-7-2-7-4-6-1-2-1-4-4-2      |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.00               |                      |                         |
| 00-48 | 7602-11.5 | 4311-2-12 |          |             |           | 0-304369-06/5774-11 |              | 8    | 5.7             |                   | 23       | 1-1-7-2-7-4-6-1-2-1-4-4-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.00               |                      |                         |
| 00-48 | 7597-11.5 | 4326-2-12 |          |             |           | 0-304370-06/5774-12 |              | 8    | 5.8             |                   | 27       | 5-1-7-2-7-4-6-1-2-1-4-4-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.00               |                      |                         |
| 00-48 | 7611-11.5 | 4302-2-12 |          |             |           | 0-304371-06/5774-12 |              | 11   | 5.9             |                   | 13       | 4-1-7-2-7-4-6-1-2-1-4-4-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.00               |                      |                         |
| 00-48 | 7677-11.5 | 4713-2-12 |          |             |           | 0-304372-06/5774-12 |              | 9    | 5.8             |                   | 12       | 11-1-7-2-7-4-6-1-2-1-4-4-2      |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.20               |                      |                         |
| 00-48 | 7672-11.5 | 4719-2-12 |          |             |           | 0-304373-06/5774-12 |              | 9    | 4.5             |                   | 13       | 10-1-7-2-7-4-6-1-2-1-4-4-2      |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.40               |                      |                         |
| 00-48 | 7597-11.5 | 4797-2-12 |          |             |           | 0-304374-06/5774-13 |              | 10   | 7.5             |                   | 14       | 1-1-7-2-7-4-6-1-2-1-4-4-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 10.10              |                      |                         |
| 00-48 | 4819-11.5 | 4000-2-12 |          |             |           | 0-304375-06/5774-16 |              | 10   | 7.8             |                   | 87       | 15-1-5-2-7-3-3-1-2-1-4-4-2      |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 5.60               |                      |                         |
| 00-48 | 4808-11.5 | 3994-2-12 |          |             |           | 0-304376-06/5774-16 |              | 10   | 6.9             |                   | 63       | 1-1-5-2-7-3-3-1-2-1-4-4-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 7.80               |                      |                         |
| 00-48 | 4825-11.5 | 3919-2-11 |          |             |           | 0-304377-06/5774-15 |              | 10   | 7.8             |                   | 50       | 1-1-5-2-7-3-3-1-2-1-4-4-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.80               |                      |                         |
| 00-48 | 4897-11.5 | 4086-2-12 |          |             |           | 0-304378-06/5774-15 |              | 10   | 4.9             |                   | 245      | 11-1-6-3-6-3-3-1-1-2-5-3        |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.50               |                      |                         |
| 00-48 | 4787-11.5 | 4713-2-12 |          |             |           | 0-304379-06/5774-15 |              | 12   | 8.2             |                   | 98       | 12-1-7-2-7-3-3-1-2-1-4-4-2      |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 4.10               |                      |                         |
| 00-48 | 4886-11.5 | 4100-2-12 |          |             |           | 0-304380-06/5774-16 |              | 12   | 9.1             |                   | 12       | 12-1-7-2-7-3-3-1-2-1-4-4-2      |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.90               |                      |                         |
| 00-48 | 7941-11.5 | 4047-2-12 |          |             |           | 0-304381-06/5774-16 |              | 11   | 6.2             |                   | 9        | 8-1-7-2-7-3-3-1-2-1-4-4-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.30               |                      |                         |
| 00-48 | 4672-11.5 | 4736-2-12 |          |             |           | 0-304382-06/5774-16 |              | 8    | 5.1             |                   | 9        | 12-1-7-2-7-4-6-1-2-1-4-4-2      |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.30               |                      |                         |
| 00-48 | 7811-11.5 | 1663-2-12 |          |             |           | 0-304383-06/5774-18 |              | 13   | 9.6             |                   | 110      | 11-1-7-2-7-3-3-1-2-1-4-4-2      |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.90               |                      |                         |
| 00-48 | 7881-11.5 | 1522-2-12 |          |             |           | 0-304384-06/5774-18 |              | 13   | 10.1            |                   | 72       | 1-1-6-3-6-3-3-1-2-1-4-4-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.70               |                      |                         |
| 00-48 | 7881-11.5 | 1347-2-12 |          |             |           | 0-304385-06/5774-18 |              | 13   | 11.3            |                   | 295      | 4-1-6-3-6-3-3-1-2-1-4-4-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.70               |                      |                         |
| 00-48 | 7916-11.5 | 1391-2-12 |          |             |           | 0-304386-06/5774-19 |              | 13   | 8.9             |                   | 154      | 11-1-7-2-7-3-3-1-2-1-4-4-2      |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.70               |                      |                         |
| 00-48 | 9506-11.5 | 5930-2-12 |          |             |           | 0-304387-06/5774-9  |              | 8    | 4.8             |                   | 37       | 4-1-7-2-7-4-6-1-2-1-4-4-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.70               |                      |                         |
| 00-48 | 9477-11.5 | 5013-2-12 |          |             |           | 0-304388-06/5774-9  |              | 8    | 5.2             |                   | 166      | 10-1-7-2-7-4-6-1-2-1-4-4-1      |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.50               |                      |                         |
| 00-48 | 9444-11.5 | 5247-2-12 |          |             |           | 0-304389-06/5774-9  |              | 9    | 5.9             |                   | 27       | 1-1-7-1-6-6-4-2-2-1-4-4-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 6.10               |                      |                         |
| 00-48 | 9236-11.5 | 5394-2-12 |          |             |           | 0-304390-06/5774-12 |              | 10   | 6.2             |                   | 16       | 4-1-7-2-7-4-6-1-2-1-4-4-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 5.50               |                      |                         |
| 00-48 | 9113-11.5 | 5130-2-12 |          |             |           | 0-304391-06/5774-12 |              | 9    | 4.3             |                   | 17       | 14-1-7-2-7-4-6-1-2-1-4-4-2      |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 6.30               |                      |                         |
| 00-48 | 4516-11.5 | 5505-2-12 |          |             |           | 0-304392-06/5774-12 |              | 10   | 7.0             |                   | 115      | 15-1-7-2-7-4-6-1-2-1-4-4-2      |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 2.60               |                      |                         |
| 00-48 | 4627-11.5 | 5430-2-12 |          |             |           | 0-304393-06/5774-13 |              | 10   | 6.5             |                   | 122      | 12-1-7-2-7-4-6-1-2-1-4-4-2      |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 3.80               |                      |                         |
| 00-48 | 4661-11.5 | 5725-2-12 |          |             |           | 0-304394-06/5774-13 |              | 10   | 6.9             |                   | 115      | 7-1-7-1-6-4-4-2-2-1-4-4-2       |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   | 4.00               |                      |                         |
| 00-48 | 4561-11.5 | 6105-2-12 |          |             |           | 0-304395-06/5774-14 |              |      |                 |                   |          |                                 |                         |           |            |               |            |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |                      |                         |

# LAST Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| ERDA SAMPLE NUMBER |                    |           |                      | LAST - SAMPLE NUMBER AND FIELD DATA |           |                      |      | U CONCENTRATION |                 |                   |          |                      |     |                                 |                            |           |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         |         |  |
|--------------------|--------------------|-----------|----------------------|-------------------------------------|-----------|----------------------|------|-----------------|-----------------|-------------------|----------|----------------------|-----|---------------------------------|----------------------------|-----------|------------|---------------|------------|-------------|---------------|-----------------|--------|---------|-----------|-----------|------------------------|-------------------|--------------------|----------------------------|---------------------------|---------------------------|---------|---------|--|
| STATE              | LATITUDE           | LONGITUDE | ERDA LAB             | SAMPLE TYPE                         | REPLICATE | LAST SAMPLE NUMBER   | DATE | HOUR            | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | pH  | SPECIFIC CONDUCTANCE (umhos/cm) | SCINTILLOMETER (cpm)       | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | WATER FLOW | WATER LEVEL | WATER CHANNEL | VEGETATION TYPE | RELIEF | WEATHER | OWNERSHIP | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | SAMPLE TYPES IN 100' DEPTH | SAMPLE TYPES IN 50' DEPTH | SAMPLE TYPES IN 20' DEPTH |         |         |  |
| 30-4A              | 9489-115.6772-2-12 |           | 0-304410-04/08/74-15 |                                     |           | 0-304410-04/08/74-15 | 11   | 6:2             | 6.7             | 218               |          |                      | 6.7 |                                 | 5-1-2-7-3-3-1-2-1-4-4-3    | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           | 2, 7, 0 |         |  |
| 30-4A              | 9369-115.6727-2-12 |           | 0-304410-04/08/74-15 |                                     |           | 0-304410-04/08/74-15 | 11   | 6:7             | 7.0             | 263               |          |                      | 7.0 |                                 | 7-1-7-3-7-4-3-2-1-4-4-2    | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 2, 7, 0 |  |
| 30-4A              | 9361-115.7105-2-12 |           | 0-304410-04/08/74-15 |                                     |           | 0-304410-04/08/74-15 | 12   | 7:2             | 6.9             | 114               |          |                      | 6.9 |                                 | 14-1-3-7-4-3-2-1-4-4-2     | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 3, 4, 0 |  |
| 30-4A              | 9316-115.7254-2-12 |           | 0-304410-04/08/74-15 |                                     |           | 0-304410-04/08/74-15 | 12   | 7:5             | 5.6             | 21                |          |                      | 5.6 |                                 | R-2-1-1-7-4-4-2-1-4-4-2    | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 2, 4, 0 |  |
| 30-4A              | 9222-115.7400-2-12 |           | 0-304410-04/08/74-15 |                                     |           | 0-304410-04/08/74-15 | 11   | 6:2             | 6.1             | 40                |          |                      | 6.1 |                                 | S-2-1-2-7-4-4-2-1-4-4-2    | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 2, 4, 0 |  |
| 30-4A              | 9336-115.6730-2-12 |           | 0-304410-04/08/74-15 |                                     |           | 0-304410-04/08/74-15 | 14   | 8:0             | 5.3             | 25                |          |                      | 5.3 |                                 | 4-2-1-7-4-4-2-1-4-4-2      | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 2, 1, 0 |  |
| 30-4A              | 9438-115.6533-2-12 |           | 0-304410-04/08/74-15 |                                     |           | 0-304410-04/08/74-15 | 12   | 9:3             | 6.6             | 101               |          |                      | 6.6 |                                 | R-1-1-7-4-4-2-1-4-4-2      | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 2, 1, 0 |  |
| 30-4A              | 9077-115.6690-2-12 |           | 0-304410-04/08/74-15 |                                     |           | 0-304410-04/08/74-15 | 14   | 9:2             | 6.4             | 88                |          |                      | 6.4 |                                 | R-1-1-7-4-4-2-1-4-4-2      | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 2, 1, 0 |  |
| 30-4A              | 9050-115.6650-2-12 |           | 0-304410-04/08/74-15 |                                     |           | 0-304410-04/08/74-15 | 14   | 17:9            | 6.4             | 70                |          |                      | 6.4 |                                 | 11-1-2-7-3-3-2-1-4-4-2     | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 4, 1, 0 |  |
| 30-4A              | 8433-115.6653-2-12 |           | 0-304410-04/08/74-15 |                                     |           | 0-304410-04/08/74-15 | 13   | 9:4             | 6.4             | 73                |          |                      | 6.4 |                                 | 10-1-2-7-3-3-2-1-4-4-2     | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 4, 1, 0 |  |
| 30-4A              | 8400-115.6964-2-15 |           | 0-304410-04/08/74-15 |                                     |           | 0-304410-04/08/74-15 | 13   | 9:4             | 6.4             | 73                |          |                      | 6.4 |                                 | 10-1-2-7-3-3-2-1-4-4-2     | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 4, 1, 0 |  |
| 30-4A              | 8361-115.7011-2-15 |           | 0-304410-04/08/74-15 |                                     |           | 0-304410-04/08/74-15 | 13   | 9:4             | 6.4             | 73                |          |                      | 6.4 |                                 | 10-1-2-7-3-3-2-1-4-4-2     | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 4, 1, 0 |  |
| 30-4A              | 8261-115.6773-2-12 |           | 0-304410-04/08/74-15 |                                     |           | 0-304410-04/08/74-15 | 13   | 10:2            | 6.7             | 69                |          |                      | 6.7 |                                 | 5-1-1-7-4-4-2-1-4-4-2      | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 4, 1, 0 |  |
| 30-4A              | 8091-115.7138-2-12 |           | 0-304410-04/08/74-15 |                                     |           | 0-304410-04/08/74-15 | 11   | 8:6             | 6.7             | 161               |          |                      | 6.7 |                                 | 7-1-1-7-3-3-1-2-1-4-4-2    | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 7, 3, 0 |  |
| 30-4A              | 7991-115.6558-2-12 |           | 0-304410-04/08/74-15 |                                     |           | 0-304410-04/08/74-15 | 11   | 9:5             | 5.7             | 19                |          |                      | 5.7 |                                 | 11-1-2-7-3-3-1-2-1-4-4-2   | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 8, 2, 0 |  |
| 30-4A              | 7950-115.6628-2-12 |           | 0-304410-04/08/74-15 |                                     |           | 0-304410-04/08/74-15 | 11   | 9:5             | 5.4             | 185               |          |                      | 5.4 |                                 | 9-1-1-4-7-4-4-1-2-1-4-4-2  | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 8, 2, 0 |  |
| 30-4A              | 7725-115.6622-2-12 |           | 0-304410-04/08/74-15 |                                     |           | 0-304410-04/08/74-15 | 11   | 8:1             | 6.5             | 135               |          |                      | 6.5 |                                 | 9-1-1-2-7-4-4-2-1-4-4-2    | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 3, 0, 0 |  |
| 30-4A              | 7519-115.6974-2-12 |           | 0-304410-04/08/74-15 |                                     |           | 0-304410-04/08/74-15 | 12   | 11:2            | 6.0             | 61                |          |                      | 6.0 |                                 | 11-1-3-7-3-3-1-2-1-4-4-2   | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 4, 3, 0 |  |
| 30-4A              | 7430-115.6608-2-12 |           | 0-304410-04/08/74-15 |                                     |           | 0-304410-04/08/74-15 | 11   | 7:8             | 6.0             | 55                |          |                      | 6.0 |                                 | 5-1-1-3-7-3-3-1-2-1-4-4-2  | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 6, 5, 0 |  |
| 30-4A              | 8125-115.6601-2-12 |           | 0-304410-04/08/74-15 |                                     |           | 0-304410-04/08/74-15 | 10   | 8:0             | 5.7             | 33                |          |                      | 5.7 |                                 | 5-1-1-4-7-3-3-1-2-1-4-4-2  | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 6, 5, 0 |  |
| 30-4A              | 8458-115.6604-2-12 |           | 0-304410-04/08/74-15 |                                     |           | 0-304410-04/08/74-15 | 10   | 8:2             | 5.0             | 65                |          |                      | 5.0 |                                 | 4-1-1-5-6-2-2-2-1-4-4-2    | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 3, 0, 0 |  |
| 30-4A              | 8561-115.6594-2-12 |           | 0-304410-04/08/74-15 |                                     |           | 0-304410-04/08/74-15 | 9    | 9:1             | 5.4             | 28                |          |                      | 5.4 |                                 | R-1-1-3-6-3-3-1-2-1-4-4-2  | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 3, 0, 0 |  |
| 30-4A              | 8952-115.6491-2-12 |           | 0-304410-04/08/74-15 |                                     |           | 0-304410-04/08/74-15 | 8    | 7:9             | 5.7             | 40                |          |                      | 5.7 |                                 | 12-1-2-7-4-4-2-1-4-4-2     | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 3, 4, 0 |  |
| 30-4A              | 9308-115.7213-2-12 |           | 0-304410-04/08/74-15 |                                     |           | 0-304410-04/08/74-15 | 11   | 7:1             | 5.0             | 73                |          |                      | 5.0 |                                 | 9-1-1-5-6-1-1-2-1-4-4-2    | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 2, 5, 0 |  |
| 30-4A              | 3816-115.0916-2-15 |           | 0-304436-06/15/74-16 |                                     |           | 0-304436-06/15/74-16 | 11   | 12              | 6.0             | 12                |          |                      | 6.0 |                                 | 18-1-1-3-6-1-1-2-3-3-3-3   | 3-3       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 6, 9, 0 |  |
| 30-4A              | 3919-115.0377-2-15 |           | 0-304436-06/15/74-16 |                                     |           | 0-304436-06/15/74-16 | 12   | 12              | 6.0             | 12                |          |                      | 6.0 |                                 | 18-1-1-3-6-1-1-2-3-3-3-3   | 3-3       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 6, 9, 0 |  |
| 30-4A              | 3905-115.0383-2-12 |           | 0-304437-06/15/74-16 |                                     |           | 0-304437-06/15/74-16 | 10   | 7:8             | 5.4             | 27                |          |                      | 5.4 |                                 | 13-1-1-4-6-3-3-1-2-3-3-3-3 | 3-3       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 3, 4, 0 |  |
| 30-4A              | 4277-115.0877-2-12 |           | 0-304439-06/15/74-16 |                                     |           | 0-304439-06/15/74-16 | 10   | 7:0             | 5.1             | 19                |          |                      | 5.1 |                                 | 19-1-1-3-6-3-3-1-2-1-4-4-2 | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 3, 7, 0 |  |
| 30-4A              | 4363-115.0905-2-12 |           | 0-304439-06/15/74-16 |                                     |           | 0-304439-06/15/74-16 | 11   | 7:2             | 5.5             | 27                |          |                      | 5.5 |                                 | 24-1-1-3-6-3-3-1-2-1-4-4-2 | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 3, 7, 0 |  |
| 30-4A              | 4455-115.0900-2-11 |           | 0-304440-06/15/74-16 |                                     |           | 0-304440-06/15/74-16 | 8    | 11:4            | 5.0             | 16                |          |                      | 5.0 |                                 | 9-1-1-3-6-3-3-1-2-1-4-4-2  | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 1, 4, 0 |  |
| 30-4A              | 4611-115.0611-2-12 |           | 0-304441-06/15/74-16 |                                     |           | 0-304441-06/15/74-16 | 9    | 9:0             | 5.4             | 50                |          |                      | 5.4 |                                 | 21-1-1-3-6-3-3-1-2-1-4-4-2 | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 5, 4, 0 |  |
| 30-4A              | 4608-115.0522-2-12 |           | 0-304442-06/15/74-16 |                                     |           | 0-304442-06/15/74-16 | 9    | 7:1             | 5.4             | 33                |          |                      | 5.4 |                                 | 19-1-1-3-6-3-3-1-2-1-4-4-2 | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 3, 4, 0 |  |
| 30-4A              | 4638-115.0755-2-12 |           | 0-304443-06/15/74-16 |                                     |           | 0-304443-06/15/74-16 | 10   | 7:2             | 5.2             | 24                |          |                      | 5.2 |                                 | 15-1-1-3-6-3-3-1-2-1-4-4-2 | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 3, 4, 0 |  |
| 30-4A              | 3197-115.0087-2-12 |           | 0-304444-06/16/74-16 |                                     |           | 0-304444-06/16/74-16 | 13   | 8:2             | 6.1             | 342               |          |                      | 6.1 |                                 | 22-1-1-4-6-3-3-1-2-1-4-4-2 | 3-3       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 7, 1, 0 |  |
| 30-4A              | 3597-114.9555-2-15 |           | 0-304445-04/16/74-16 |                                     |           | 0-304445-04/16/74-16 | 14   | 14              | 6.0             | 14                |          |                      | 6.0 |                                 | 21-1-1-5-6-1-1-2-1-4-4-2   | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 3, 4, 0 |  |
| 30-4A              | 3784-114.9688-2-15 |           | 0-304446-04/16/74-16 |                                     |           | 0-304446-04/16/74-16 | 12   | 12              | 6.0             | 14                |          |                      | 6.0 |                                 | 18-1-1-5-6-1-1-2-1-4-4-2   | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 3, 4, 0 |  |
| 30-4A              | 3758-114.9672-2-12 |           | 0-304447-04/16/74-16 |                                     |           | 0-304447-04/16/74-16 | 16   | 9:1             | 6.3             | 218               |          |                      | 6.3 |                                 | 14-1-1-3-6-3-3-1-2-1-4-4-2 | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 4, 1, 0 |  |
| 30-4A              | 3880-114.9566-2-12 |           | 0-304448-06/16/74-16 |                                     |           | 0-304448-06/16/74-16 | 12   | 9:1             | 6.2             | 130               |          |                      | 6.2 |                                 | 17-1-1-3-6-3-3-1-2-1-4-4-2 | 1-1       |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         | 7, 4, 0 |  |
| 30-4A              | 3988-114.9188-2-12 |           | 0-304449-06/16/74-16 |                                     |           | 0-304449-06/16/74-16 | 16   | 9:2             | 5.7             | 78                |          |                      | 5.7 |                                 |                            |           |            |               |            |             |               |                 |        |         |           |           |                        |                   |                    |                            |                           |                           |         |         |  |

# LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| STATE | LATITUDE           | LONGITUDE | ERDA LAB             | SAMPLE TYPE | REPLICATE | TIME SAMPLED |      | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | PH  | SPECIFIC CONDUCTANCE (umhos/cm) | SCINTILLOMETER (cpm)       | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | STREAM CHANNEL | VEGETATION TYPE | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | U CONCENTRATION |
|-------|--------------------|-----------|----------------------|-------------|-----------|--------------|------|-----------------|-------------------|----------|----------------------|-----|---------------------------------|----------------------------|-----------|------------|---------------|----------------|------------|-------------|----------------|-----------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|-----------------|
|       |                    |           |                      |             |           | DATE         | HOUR |                 |                   |          |                      |     |                                 |                            |           |            |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0008-114.0164-2-12 |           | 0-304461-04/19/74-13 | 23-20.0     |           |              |      |                 |                   |          | 6.9                  | 350 | 15-1-1-4-4-2-3-1-2-3-1          | 9-1-1-5-6-1-1-2-3-1        | 1-1       | 3-10       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0055-115.3441-2-15 |           | 0-304462-04/18/74-17 | 18          |           |              |      |                 |                   |          |                      |     | 9-1-1-5-6-1-1-2-3-1             | 9-1-1-5-6-1-1-2-3-1        | 1-1       | 2-10       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0139-115.5075-2-12 |           | 0-304463-04/19/74-21 | 14          | A.0       |              |      |                 |                   |          | 5.2                  | 59  | 9-1-1-3-6-4-4-2-1-3-1           | 9-1-1-3-6-4-4-2-1-3-1      | 1-1       | 4-00       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0436-115.2711-2-12 |           | 0-304464-04/19/74-11 | 17          | 7.2       |              |      |                 |                   |          | 5.8                  | 170 | 15-1-1-3-6-3-3-1-2-1-3-2        | 15-1-1-3-6-3-3-1-2-1-3-2   | 1-1       | 6-30       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0446-115.2742-2-12 |           | 0-304465-04/19/74-11 | 22          |           |              |      |                 |                   |          |                      |     | 15-1-1-5-6-1-1-2-1-3-2          | 15-1-1-5-6-1-1-2-1-3-2     | 1-1       | 3-20       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0450-115.2523-2-12 |           | 0-304466-04/19/74-11 | 20-15.0     |           |              |      |                 |                   |          | 6.8                  | 130 | 14-1-1-3-6-3-3-2-1-3-2          | 14-1-1-3-6-3-3-2-1-3-2     | 3-1       | 4-00       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0650-115.2702-2-12 |           | 0-304467-04/19/74-11 | 20-12.8-C   |           |              |      |                 |                   |          | 6.8                  | 110 | 15-1-1-3-6-3-3-2-1-3-2          | 15-1-1-3-6-3-3-2-1-3-2     | 1-1       | 6-00       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0461-115.2894-2-12 |           | 0-304468-04/19/74-11 | 20          | 9.5-C     |              |      |                 |                   |          | 6.4                  | 200 | 21-1-1-3-6-3-3-1-2-1-3-2        | 21-1-1-3-6-3-3-1-2-1-3-2   | 1-1       | 4-40       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0450-115.2883-2-15 |           | 0-304469-04/19/74-12 | 20          |           |              |      |                 |                   |          | 6.4                  | 200 | 21-1-1-3-6-3-3-1-2-1-3-2        | 21-1-1-3-6-3-3-1-2-1-3-2   | 3-1       | 7-10       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0436-115.2519-2-12 |           | 0-304470-04/19/74-12 | 24-12.1-C   |           |              |      |                 |                   |          | 6.4                  | 248 | 14-1-1-3-6-3-3-2-1-3-2          | 14-1-1-3-6-3-3-2-1-3-2     | 3-1       | 3-60       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0386-115.2581-2-15 |           | 0-304471-04/19/74-13 | 22          |           |              |      |                 |                   |          |                      |     | 12-1-1-5-6-1-1-3-1-3-2          | 12-1-1-5-6-1-1-3-1-3-2     | 3-1       | 4-00       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0352-115.3294-2-15 |           | 0-304472-04/19/74-13 | 26          |           |              |      |                 |                   |          |                      |     | 14-1-1-3-6-3-3-2-1-3-2          | 14-1-1-3-6-3-3-2-1-3-2     | 3-1       | 4-00       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0238-115.3325-2-12 |           | 0-304473-04/19/74-13 | 27-12.2     |           |              |      |                 |                   |          | 6.4                  | 305 | 12-1-1-6-6-2-2-1-2-2-2-2        | 12-1-1-6-6-2-2-1-2-2-2-2   | 3-1       | 4-20       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0230-115.3375-2-12 |           | 0-304474-04/19/74-13 | 25          | 8.0       |              |      |                 |                   |          | 5.8                  | 120 | 12-1-1-3-6-2-2-1-2-2-2-2        | 12-1-1-3-6-2-2-1-2-2-2-2   | 3-1       | 5-00       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0310-115.3677-2-12 |           | 0-304475-04/19/74-13 | 19-11.1     |           |              |      |                 |                   |          | 5.4                  | 52  | 9-1-1-6-6-2-3-1-2-2-2           | 9-1-1-6-6-2-3-1-2-2-2      | 3-1       | 5-60       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0093-115.3619-2-12 |           | 0-304476-04/19/74-13 | 23          | 9.0       |              |      |                 |                   |          | 6.3                  | 142 | 13-1-1-3-6-3-3-1-2-1-3-2        | 13-1-1-3-6-3-3-1-2-1-3-2   | 3-1       | 4-30       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0072-115.3672-2-12 |           | 0-304477-04/19/74-15 | 20-11.0     |           |              |      |                 |                   |          | 5.1                  | 49  | 21-1-1-3-6-4-3-2-1-3-2          | 21-1-1-3-6-4-3-2-1-3-2     | 3-1       | 4-30       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0036-115.3138-2-12 |           | 0-304478-04/19/74-15 | 18-10.9     |           |              |      |                 |                   |          | 6.3                  | 199 | 14-1-1-3-6-3-3-2-1-3-2          | 14-1-1-3-6-3-3-2-1-3-2     | 3-1       | 5-70       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0019-115.3155-2-12 |           | 0-304479-04/19/74-15 | 25-11.9     |           |              |      |                 |                   |          | 6.7                  | 361 | 15-1-1-3-6-4-2-1-2-2-2-2        | 15-1-1-3-6-4-2-1-2-2-2-2   | 3-1       | 3-50       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0183-115.2927-2-12 |           | 0-304480-04/19/74-15 | 20          |           |              |      |                 |                   |          |                      |     | 12-1-1-5-6-1-1-3-1-3-2          | 12-1-1-5-6-1-1-3-1-3-2     | 1-1       | 2-20       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0163-115.2942-2-12 |           | 0-304481-04/19/74-15 | 21          | A.0-C     |              |      |                 |                   |          |                      |     | 14-1-1-3-6-3-3-1-2-1-3-2        | 14-1-1-3-6-3-3-1-2-1-3-2   | 1-1       | 9-90       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0605-115.3952-2-12 |           | 0-304482-04/19/74-15 | 21-10.0     |           |              |      |                 |                   |          | 6.4                  | 318 | 12-1-1-3-6-4-3-2-1-3-2          | 12-1-1-3-6-4-3-2-1-3-2     | 1-1       | 3-30       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0469-115.3641-2-12 |           | 0-304483-04/19/74-17 | 24          | A.9       |              |      |                 |                   |          | 6.5                  | 245 | 13-1-1-3-6-4-3-2-1-3-2          | 13-1-1-3-6-4-3-2-1-3-2     | 1-1       | 3-60       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 1169-115.3331-2-12 |           | 0-304484-04/19/74-17 | 21-10.0     |           |              |      |                 |                   |          | 6.1                  | 134 | 12-1-1-3-6-3-3-2-1-3-2          | 12-1-1-3-6-3-3-2-1-3-2     | 1-1       | 6-50       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 1244-115.3364-2-12 |           | 0-304485-04/19/74-18 | 24          | 9.2       |              |      |                 |                   |          | 6.6                  | 245 | 16-1-1-3-6-4-3-1-2-1-3-2        | 16-1-1-3-6-4-3-1-2-1-3-2   | 1-1       | 4-10       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 1159-115.3213-2-12 |           | 0-304486-04/19/74-18 | 20          | 8.8       |              |      |                 |                   |          | 6.6                  | 220 | 14-1-1-4-6-6-3-1-2-1-3-2        | 14-1-1-4-6-6-3-1-2-1-3-2   | 1-1       | 4-00       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 1325-115.3318-2-12 |           | 0-304487-04/19/74-18 | 23-10.8-C   |           |              |      |                 |                   |          | 6.4                  | 213 | 15-1-1-4-6-6-2-2-1-2-1-3-2      | 15-1-1-4-6-6-2-2-1-2-1-3-2 | 1-1       | 6-90       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 1575-115.2463-2-12 |           | 0-304488-04/19/74-19 | 20-11.5     |           |              |      |                 |                   |          | 6.9                  | 330 | 22-1-1-3-6-4-3-2-1-3-2          | 22-1-1-3-6-4-3-2-1-3-2     | 1-1       | 3-30       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 1641-115.2675-2-12 |           | 0-304489-04/19/74-19 | 23-11.2-C   |           |              |      |                 |                   |          | 6.5                  | 325 | 19-1-1-5-6-1-1-3-1-3-2          | 19-1-1-5-6-1-1-3-1-3-2     | 1-1       | 2-60       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 1441-115.2675-2-15 |           | 0-304490-04/19/74-20 | 21          |           |              |      |                 |                   |          |                      |     | 13-1-1-3-6-4-3-1-2-1-3-2        | 13-1-1-3-6-4-3-1-2-1-3-2   | 1-1       | 4-30       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 1464-115.3402-2-12 |           | 0-304491-04/19/74-20 | 17-11.5     |           |              |      |                 |                   |          | 6.4                  | 240 | 14-1-1-3-6-4-3-1-2-1-3-2        | 14-1-1-3-6-4-3-1-2-1-3-2   | 1-1       | 4-10       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 1333-115.3492-2-12 |           | 0-304492-04/19/74-20 | 15-12       |           |              |      |                 |                   |          | 6.4                  | 210 | 14-1-1-3-6-4-3-1-2-1-3-2        | 14-1-1-3-6-4-3-1-2-1-3-2   | 1-1       | 4-30       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 1727-115.3516-2-12 |           | 0-304493-04/19/74-21 | 17          | 8.5       |              |      |                 |                   |          | 6.4                  | 174 | 14-1-1-5-6-4-3-3-1-2-1-3-2      | 14-1-1-5-6-4-3-3-1-2-1-3-2 | 1-1       | 4-70       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 1761-115.3211-2-15 |           | 0-304494-04/20/74-15 | 15          |           |              |      |                 |                   |          |                      |     | 13-1-1-5-6-4-3-1-2-1-3-2        | 13-1-1-5-6-4-3-1-2-1-3-2   | 1-1       | 3-60       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 1909-115.2702-2-12 |           | 0-304495-04/20/74-15 | 14          | A.9       |              |      |                 |                   |          | 6.4                  | 308 | 14-1-1-6-6-3-3-1-2-3-2-2        | 14-1-1-6-6-3-3-1-2-3-2-2   | 1-1       | 3-50       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 2155-115.2584-2-12 |           | 0-304496-04/20/74-15 | 15          | 8.8       |              |      |                 |                   |          | 6.4                  | 281 | 15-1-1-3-6-4-3-1-2-1-3-2        | 15-1-1-3-6-4-3-1-2-1-3-2   | 1-1       | 3-20       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 2093-115.3012-2-12 |           | 0-304497-04/20/74-15 | 17          | A.4-C     |              |      |                 |                   |          | 5.8                  | 135 | 19-1-1-3-6-3-3-1-2-1-3-2        | 19-1-1-3-6-3-3-1-2-1-3-2   | 1-1       | 4-70       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 2102-115.3016-2-12 |           | 0-304498-04/20/74-15 | 20          | 9.8-C     |              |      |                 |                   |          | 5.4                  | 110 | 14-1-1-3-6-3-3-2-1-3-2          | 14-1-1-3-6-3-3-2-1-3-2     | 1-1       | 7-40       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 2044-115.3336-2-12 |           | 0-304499-04/20/74-15 | 20          | 7.5       |              |      |                 |                   |          | 5.7                  | 42  | 19-1-1-3-6-4-3-1-2-1-3-2        | 19-1-1-3-6-4-3-1-2-1-3-2   | 1-1       | 4-00       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 2400-114.3036-2-12 |           | 0-304500-04/20/74-12 | 23          | 10.5      |              |      |                 |                   |          | 6.4                  | 42  | 15-1-1-3-6-3-3-1-2-1-3-2        | 15-1-1-3-6-3-3-1-2-1-3-2   | 1-1       | 4-50       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0430-114.3002-2-12 |           | 0-304501-04/20/74-12 | 14          | A.8       |              |      |                 |                   |          | 7.8                  | 312 | 4-2-1-1-7-3-3-1-2-1-5-2         | 4-2-1-1-7-3-3-1-2-1-5-2    | 1-1       | 2-60       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 0622-114.3002-2-12 |           | 0-304502-04/20/74-12 | 14          | 6.9       |              |      |                 |                   |          | 7.0                  | 320 | 4-2-1-1-6-3-3-1-2-1-5-2         | 4-2-1-1-6-3-3-1-2-1-5-2    | 1-1       | 2-00       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 3050-115.5027-2-11 |           | 0-304503-04/20/74-12 | 18          | A.2-C     |              |      |                 |                   |          | 7.7                  | 290 | 10-2-2-2-3-6-3-3-2-2-5-2        | 10-2-2-2-3-6-3-3-2-2-5-2   | 3-1       | 4-60       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 2972-115.4781-2-12 |           | 0-304504-04/20/74-15 | 19-12.5     |           |              |      |                 |                   |          | 6.9                  | 220 | 10-2-2-3-6-3-3-2-2-5-2          | 10-2-2-3-6-3-3-2-2-5-2     | 3-1       | 4-10       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 3480-115.4741-2-12 |           | 0-304505-04/20/74-15 | 18-10.9     |           |              |      |                 |                   |          | 7.4                  | 225 | 14-1-1-3-6-3-3-2-2-5-2          | 14-1-1-3-6-3-3-2-2-5-2     | 1-1       | 6-00       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 3797-115.5011-2-12 |           | 0-304506-04/20/74-15 | 18-11.0     |           |              |      |                 |                   |          | 7.4                  | 325 | 14-1-1-3-6-3-3-2-2-5-2          | 14-1-1-3-6-3-3-2-2-5-2     | 1-1       | 4-60       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 3900-115.5552-2-12 |           | 0-304507-04/20/74-15 | 20-12.8-C   |           |              |      |                 |                   |          | 8.0                  | 485 | 6-2-7-6-6-1-2-5-3-2-3-4-3       | 6-2-7-6-6-1-2-5-3-2-3-4-3  | 3-1       | 4-20       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 3911-115.5563-2-12 |           | 0-304508-04/20/74-15 | 25          | 8.6       |              |      |                 |                   |          | 5.0                  | 25  | 15-1-1-3-6-3-3-1-2-1-3-2        | 15-1-1-3-6-3-3-1-2-1-3-2   | 1-1       | 5-00       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 2422-115.3543-2-12 |           | 0-304509-04/20/74-11 | 26          | 9.4       |              |      |                 |                   |          | 7.0                  | 112 | 12-1-1-6-6-3-3-1-2-1-5-2        | 12-1-1-6-6-3-3-1-2-1-5-2   | 1-1       | 6-60       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 2359-115.3516-2-12 |           | 0-304510-04/20/74-11 | 22          | 7.4       |              |      |                 |                   |          | 6.4                  | 19  | 9-1-1-6-6-3-3-1-2-1-5-2         | 9-1-1-6-6-3-3-1-2-1-5-2    | 1-1       | 4-60       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |
| 30-6A | 2209-115.6047-2-12 |           | 0-304512-04/20/74-12 | 22          | 4.8       |              |      |                 |                   |          | 5.4                  | 15  | 9-2-6-1-6-4-3-1-2-1-5-2         | 9-2-6-1-6-4-3-1-2-1-5-2    | 1-1       | 3-50       |               |                |            |             |                |                 |        |         |           |              |           |                        |                   |                    |                 |



### LAST Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| ERDA SAMPLE NUMBER |                      | LAST SAMPLE NUMBER AND FIELD DATA |          |             |           |                      |      |      |                 |                   |          | U CONCENTRATION      |     |                                 |                              |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    |             |                       |
|--------------------|----------------------|-----------------------------------|----------|-------------|-----------|----------------------|------|------|-----------------|-------------------|----------|----------------------|-----|---------------------------------|------------------------------|-----------|------------|---------------|---------------|-------------|-------------|----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|-------------|-----------------------|
| STATE              | LATITUDE             | LONGITUDE                         | ERDA LAB | SAMPLE TYPE | REPLICATE | LASL SAMPLE NUMBER   | DATE | HOUR | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | pH  | SPECIFIC CONDUCTANCE (µmhos/cm) | SCINTILLOMETER (#Uppm)       | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT FLOW | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | SAMPLE TYPE | U CONCENTRATION (ppm) |
| 30-09              | 1.925-115.6213-2-12  |                                   |          |             |           | 0-306513-06/59/77-12 | 19   | 5    | 8               |                   |          |                      | 5.9 | 36                              | 13-2-7-2-6-3-3-1-2-1-5-2-1   |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 4.10        |                       |
| 30-09              | 2.194-115.5586-2-12  |                                   |          |             |           | 0-306514-06/59/77-13 | 21   | 9    | 2               |                   |          |                      | 7.1 | 132                             | 12-2-7-1-6-3-3-1-2-1-5-2-1   |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.90        |                       |
| 30-09              | 2.133-115.5794-2-12  |                                   |          |             |           | 0-306515-06/59/77-13 | 22   | 6    | 2               |                   |          |                      | 5.4 | 24                              | 9-2-7-2-0-4-3-1-2-1-5-2-1    |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 4.30        |                       |
| 30-09              | 2.127-115.5781-2-12  |                                   |          |             |           | 0-306516-06/59/77-13 | 22   | 6    | 2               |                   |          |                      | 5.4 | 34                              | 15-2-7-2-0-4-3-1-2-1-5-2-1   |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 4.20        |                       |
| 30-09              | 1.449-115.5534-2-12  |                                   |          |             |           | 0-306517-06/59/77-13 | 22   | 6    | 2               |                   |          |                      | 5.7 | 7                               | 7-2-6-3-0-3-3-1-2-1-5-2-1    |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.40        |                       |
| 30-09              | 1.463-115.5534-2-12  |                                   |          |             |           | 0-306518-06/59/77-13 | 22   | 6    | 2               |                   |          |                      | 6.7 | 45                              | 7-2-7-2-0-4-3-1-2-1-5-2-1    |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 5.00        |                       |
| 30-09              | 1.697-115.5850-2-12  |                                   |          |             |           | 0-306519-06/59/77-13 | 24   | 7    | 0               |                   |          |                      | 6.7 | 52                              | 17-2-2-0-4-3-1-2-1-5-2-1     |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.50        |                       |
| 30-09              | 1.699-115.5861-2-12  |                                   |          |             |           | 0-306520-06/59/77-13 | 20   | 6    | 4               |                   |          |                      | 6.1 | 33                              | 9-2-7-1-7-4-3-1-2-1-5-2-1    |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 8.00        |                       |
| 30-09              | 1.361-115.6077-2-12  |                                   |          |             |           | 0-306521-06/59/77-13 | 21   | 5    | 2               |                   |          |                      | 5.4 | 16                              | 12-2-7-1-7-4-3-1-2-1-5-2-1   |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 6.00        |                       |
| 30-09              | 1.103-115.5908-2-12  |                                   |          |             |           | 0-306522-06/59/77-13 | 18   | 6    | 2               |                   |          |                      | 5.4 | 7                               | 15-1-7-1-6-3-3-1-2-1-5-2-1   |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 4.80        |                       |
| 30-09              | 0.683-115.5920-2-12  |                                   |          |             |           | 0-306523-06/59/77-13 | 18   | 6    | 2               |                   |          |                      | 5.4 | 10                              | 15-1-7-1-6-3-3-1-2-1-5-2-1   |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 5.00        |                       |
| 30-09              | 1.205-115.5427-2-12  |                                   |          |             |           | 0-306524-06/59/77-13 | 21   | 6    | 4               |                   |          |                      | 5.7 | 8                               | 6-2-6-1-6-4-3-1-2-1-5-2-1    |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 4.60        |                       |
| 30-09              | 1.305-115.5054-2-12  |                                   |          |             |           | 0-306525-06/59/77-13 | 21   | 7    | 5               |                   |          |                      | 6.4 | 12                              | 13-2-6-2-0-4-3-1-2-1-5-2-1   |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.50        |                       |
| 30-09              | 1.788-115.5204-2-12  |                                   |          |             |           | 0-306526-06/59/77-13 | 18   | 4    | 4               |                   |          |                      | 6.4 | 90                              | 7-2-6-3-0-3-3-1-2-1-5-2-1    |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 4.60        |                       |
| 30-09              | 0.869-115.4872-2-12  |                                   |          |             |           | 0-306527-06/59/77-13 | 14   | 4    | 1               |                   |          |                      | 6.4 | 15                              | 13-1-7-1-7-4-3-1-2-1-5-2-1   |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.70        |                       |
| 30-09              | 0.846-115.4933-2-12  |                                   |          |             |           | 0-306530-06/10/77-12 | 14   | 6    | 1               |                   |          |                      | 6.7 | 41                              | 12-2-6-3-0-3-3-1-2-2-1-5-2-1 |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 6.70        |                       |
| 30-09              | 0.784-115.4977-2-12  |                                   |          |             |           | 0-306531-06/10/77-12 | 14   | 7    | 6               |                   |          |                      | 6.6 | 75                              | 12-2-6-3-0-3-3-1-2-2-1-5-2-1 |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 5.70        |                       |
| 30-09              | 0.654-115.4997-2-12  |                                   |          |             |           | 0-306532-06/10/77-13 | 14   | 5    | 4               |                   |          |                      | 7.1 | 340                             | 4-2-7-3-0-3-3-1-2-1-5-2-1    |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 2.90        |                       |
| 30-09              | 1.072-115.4149-2-12  |                                   |          |             |           | 0-306533-06/10/77-13 | 15   | 5    | 4               |                   |          |                      | 7.1 | 260                             | 9-2-6-2-0-4-3-1-2-1-5-2-1    |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.40        |                       |
| 30-09              | 1.125-115.3769-2-12  |                                   |          |             |           | 0-306534-06/10/77-13 | 15   | 4    | 4               |                   |          |                      | 7.2 | 275                             | 12-1-6-3-0-3-3-1-2-2-1-5-2-1 |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 4.40        |                       |
| 30-09              | 0.869-115.4464-2-12  |                                   |          |             |           | 0-306535-06/10/77-13 | 15   | 5    | 2               |                   |          |                      | 7.2 | 72                              | 12-1-6-3-0-3-3-1-2-2-1-5-2-1 |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 9.20        |                       |
| 30-09              | 0.838-115.4572-2-12  |                                   |          |             |           | 0-306538-06/10/77-13 | 15   | 6    | 4               |                   |          |                      | 7.6 | 142                             | 9-1-6-3-0-3-3-1-2-1-5-2-1    |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 5.10        |                       |
| 30-09              | 0.949-115.4784-2-12  |                                   |          |             |           | 0-306539-06/10/77-13 | 15   | 4    | 4               |                   |          |                      | 7.2 | 170                             | 10-1-6-3-0-3-3-1-2-1-5-2-1   |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 6.40        |                       |
| 30-09              | 1.266-114.8922-2-12  |                                   |          |             |           | 0-306539-06/10/77-13 | 21   | 14   | 4               | 2                 | C        |                      | 8.1 | 145                             | 15-1-6-1-0-3-3-1-2-1-5-2-1   |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.20        |                       |
| 30-09              | 1.705-114.9113-2-12  |                                   |          |             |           | 0-306540-06/10/77-13 | 21   | 17   | 4               | 4                 | C        |                      | 7.4 | 505                             | 7-1-7-3-0-3-3-1-2-1-5-2-1    |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 2.60        |                       |
| 30-09              | 0.5422-115.4022-2-12 |                                   |          |             |           | 0-306401-06/59/77-13 | 15   | 11   | 0               | C                 |          |                      | 5.5 | 13                              | 4-1-7-4-0-3-3-1-2-2-1-5-2-1  |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.70        |                       |
| 30-09              | 0.722-115.3755-2-12  |                                   |          |             |           | 0-306402-06/59/77-13 | 15   | 11   | 0               | C                 |          |                      | 5.5 | 14                              | 10-1-7-4-0-3-3-1-2-2-1-5-2-1 |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.50        |                       |
| 30-09              | 0.589-115.3252-2-12  |                                   |          |             |           | 0-306404-06/59/77-13 | 15   | 11   | 0               | C                 |          |                      | 5.6 | 14                              | 10-1-7-4-0-3-3-1-2-2-1-5-2-1 |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.50        |                       |
| 30-09              | 0.288-115.4582-2-12  |                                   |          |             |           | 0-306405-06/59/77-13 | 15   | 9    | 2               | C                 |          |                      | 5.7 | 12                              | 12-1-7-3-0-4-3-1-2-1-5-2-1   |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.10        |                       |
| 30-09              | 0.300-115.4444-2-12  |                                   |          |             |           | 0-306406-06/59/77-13 | 15   | 10   | 5               | C                 |          |                      | 5.4 | 14                              | 15-1-7-4-0-4-4-1-2-1-5-2-1   |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.40        |                       |
| 30-09              | 0.161-115.4344-2-12  |                                   |          |             |           | 0-306407-06/59/77-13 | 15   | 9    | 1               | C                 |          |                      | 5.7 | 12                              | 10-1-7-4-0-4-4-1-2-1-5-2-1   |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 2.60        |                       |
| 30-09              | 0.155-115.4344-2-12  |                                   |          |             |           | 0-306408-06/59/77-13 | 15   | 9    | 1               | C                 |          |                      | 5.4 | 14                              | 10-1-7-4-0-4-4-1-2-1-5-2-1   |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.10        |                       |
| 30-09              | 0.5883-115.4788-2-12 |                                   |          |             |           | 0-306410-06/59/77-13 | 15   | 9    | 0               | C                 |          |                      | 5.6 | 14                              | 9-1-7-4-0-4-4-1-2-1-5-2-1    |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.10        |                       |
| 30-09              | 0.847-115.4914-2-12  |                                   |          |             |           | 0-306410-06/59/77-13 | 15   | 9    | 0               | C                 |          |                      | 5.6 | 15                              | 7-1-7-4-0-4-4-1-2-1-5-2-1    |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.20        |                       |
| 30-09              | 0.677-115.4241-2-12  |                                   |          |             |           | 0-306411-06/59/77-13 | 14   | 9    | 3               | C                 |          |                      | 5.4 | 14                              | 9-1-7-4-0-4-4-1-2-1-5-2-1    |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.30        |                       |
| 30-09              | 0.052-115.4133-2-12  |                                   |          |             |           | 0-306412-06/59/77-13 | 14   | 9    | 3               | C                 |          |                      | 5.4 | 12                              | 4-1-7-4-0-4-4-1-2-1-5-2-1    |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.20        |                       |
| 30-09              | 0.6036-115.3758-2-13 |                                   |          |             |           | 0-306413-06/59/77-13 | 14   | 10   | 5               | C                 |          |                      | 5.4 | 44                              | 9-1-7-4-0-4-4-1-2-1-5-2-1    |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.20        |                       |
| 30-09              | 1.394-115.5094-2-12  |                                   |          |             |           | 0-306414-06/59/77-13 | 13   | 4    | 0               | C                 |          |                      | 5.9 | 12                              | 4-1-7-4-0-4-4-1-2-2-1-5-2-1  |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.50        |                       |
| 30-09              | 1.286-115.5427-2-12  |                                   |          |             |           | 0-306415-06/59/77-13 | 13   | 4    | 0               | C                 |          |                      | 5.4 | 10                              | 4-1-7-4-0-4-4-1-2-2-1-5-2-1  |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.10        |                       |
| 30-09              | 1.285-115.9252-2-12  |                                   |          |             |           | 0-306416-06/59/77-13 | 9    | 6    | 2               |                   |          |                      | 5.4 | 12                              | 12-1-7-4-0-4-4-1-1-1-5-2-1   |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 9.40        |                       |
| 30-09              | 2.047-115.9404-2-12  |                                   |          |             |           | 0-306417-06/59/77-13 | 10   | 7    | 0               |                   |          |                      | 5.4 | 35                              | 12-1-7-4-0-4-4-1-1-1-5-2-1   |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 6.40        |                       |
| 30-09              | 1.922-115.9944-2-12  |                                   |          |             |           | 0-306419-06/11/77-10 | 10   | 7    | 2               |                   |          |                      | 5.9 | 31                              | 13-1-7-5-0-4-4-1-1-1-5-2-1   |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 8.10        |                       |
| 30-09              | 1.922-115.9552-2-12  |                                   |          |             |           | 0-306419-06/11/77-10 | 10   | 7    | 1               |                   |          |                      | 5.9 | 10                              | 12-1-7-4-0-4-4-1-1-1-5-2-1   |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 8.40        |                       |
| 30-09              | 1.239-115.7336-2-12  |                                   |          |             |           | 0-306420-06/12/77-12 | 10   | 4    | 0               |                   |          |                      | 5.7 | 80                              | 12-1-7-4-0-4-4-1-1-1-5-2-1   |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 4.10        |                       |
| 30-09              | 1.255-115.7291-2-12  |                                   |          |             |           | 0-306421-06/12/77-12 | 10   | 4    | 0               |                   |          |                      | 5.7 | 95                              | 12-1-7-4-0-4-4-1-1-1-5-2-1   |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.20        |                       |
| 30-09              | 1.177-115.6900-2-12  |                                   |          |             |           | 0-306422-06/12/77-13 | 10   | 6    | 2               |                   |          |                      | 5.7 | 12                              | 7-1-7-3-6-4-4-1-1-1-5-2-1    |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 3.70        |                       |
| 30-09              | 1.094-115.6769-2-12  |                                   |          |             |           | 0-306423-06/12/77-13 | 9    | 6    | 2               |                   |          |                      | 5.7 | 85                              | 7-1-7-3-6-4-4-1-1-1-5-2-1    |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 5.40        |                       |
| 30-09              | 1.072-115.6744-2-12  |                                   |          |             |           | 0-306423-06/12/77-13 | 9    | 5    | 2               |                   |          |                      | 5.4 | 74                              | 12-1-7-4-0-4-4-1-1-1-5-2-1   |           |            |               |               |             |             |                |                 |                    |        |         |           |              |           |                        |                   |                    | 4.10        |                       |

LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

| STATE | LATITUDE      | LONGITUDE | ERDA LAB | SAMPLE TYPE | REPLICATE | LASL SAMPLE NUMBER | TIME SAMPLED |      | AIR TEMPERATURE | WATER TEMPERATURE           | COMMENTS | pH | SPECIFIC CONDUCTANCE (umhos/cm) | SCINTILLAMETER (nCi/dpm) | LASL SAMPLE NUMBER AND FIELD DATA |           |                |                 |            |             |             |                 |                    |        | U CONCENTRATION |           |
|-------|---------------|-----------|----------|-------------|-----------|--------------------|--------------|------|-----------------|-----------------------------|----------|----|---------------------------------|--------------------------|-----------------------------------|-----------|----------------|-----------------|------------|-------------|-------------|-----------------|--------------------|--------|-----------------|-----------|
|       |               |           |          |             |           |                    | DATE         | HOUR |                 |                             |          |    |                                 |                          | ROCK TYPE                         | ROCK TYPE | SEDI-MENT TYPE | SEDI-MENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER         | OWNERSHIP |
| 30-48 | 1072-115.6757 | -12       | 0-404426 | 04/12/74    | 15        | 9                  | 5.2          | 0    | 70              | 0-1-7-6-6-4-1-1-1-4-4-4     | 8        | 3  | 3.0                             |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 1408-115.7011 | -12       | 0-404427 | 04/12/74    | 15        | 7                  | 4.2          | 0    | 60              | 0-1-7-6-6-5-1-1-1-4-4-4     | 8        | 4  | 4.50                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 1413-115.7013 | -12       | 0-404428 | 04/12/74    | 15        | 7                  | 4.2          | 0    | 55              | 0-1-7-6-6-5-1-1-1-4-4-4     | 8        | 4  | 4.60                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 1896-115.6085 | -12       | 0-404429 | 04/14/74    | 10        | 9                  | 6.0          | 0    | 30              | 0-1-7-6-6-4-1-1-1-3-2-2     | 8        | 4  | 9.30                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 1933-115.6086 | -12       | 0-404430 | 04/14/74    | 10        | 9                  | 6.0          | 0    | 40              | 0-1-7-6-6-4-1-1-1-3-2-2     | 8        | 4  | 6.10                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 6855-115.5844 | -12       | 0-404431 | 04/14/74    | 13        | 9                  | 6.5          | 0    | 30              | 0-1-7-6-6-4-1-1-1-3-2-2     | 8        | 4  | 4.20                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 8577-115.5367 | -12       | 0-404432 | 04/14/74    | 13        | 9                  | 6.0          | 0    | 36              | 0-1-7-6-6-4-1-1-1-3-2-2     | 8        | 4  | 4.50                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 8566-115.5367 | -12       | 0-404433 | 04/14/74    | 13        | 9                  | 6.0          | 0    | 44              | 0-1-7-6-6-4-1-1-1-3-2-2     | 8        | 4  | 5.40                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 2591-115.7427 | -12       | 0-404434 | 04/14/74    | 16        | 9                  | 4.0          | 0    | 60              | 0-1-7-6-6-4-1-1-1-3-2-2     | 8        | 4  | 9.50                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 2588-115.7427 | -12       | 0-404435 | 04/14/74    | 16        | 9                  | 4.0          | 0    | 40              | 0-1-7-6-6-4-1-1-1-3-2-2     | 8        | 4  | 6.10                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 2825-115.7594 | -12       | 0-404436 | 04/14/74    | 16        | 9                  | 6.5          | 0    | 57              | 0-1-7-6-6-4-1-1-1-3-2-2     | 8        | 4  | 5.80                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 2105-115.7555 | -12       | 0-404437 | 04/14/74    | 17        | 8                  | 5.2          | 0    | 20              | 0-1-7-6-6-4-1-1-1-3-2-2     | 8        | 4  | 6.20                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 2130-115.7441 | -12       | 0-404438 | 04/14/74    | 17        | 8                  | 5.0          | 0    | 21              | 0-1-7-6-6-4-1-1-1-3-2-2     | 8        | 4  | 5.70                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 2402-115.6988 | -12       | 0-404439 | 04/15/74    | 12        | 8                  | 5.8          | 0    | 22              | 0-1-7-6-6-4-1-1-1-3-2-2     | 8        | 4  | 10.50                           |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 2527-115.6875 | -12       | 0-404440 | 04/15/74    | 13        | 8                  | 5.0          | 0    | 55              | 0-1-7-6-6-4-1-1-1-3-2-2     | 8        | 4  | 4.40                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 2527-115.6875 | -12       | 0-404441 | 04/15/74    | 13        | 8                  | 5.0          | 0    | 22              | 0-1-7-6-6-4-1-1-1-3-2-2     | 8        | 4  | 28.20                           |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 2905-115.6786 | -12       | 0-404442 | 04/15/74    | 16        | 8                  | 5.5          | 0    | 47              | 0-1-7-6-6-4-1-1-1-3-2-2     | 8        | 4  | 7.70                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 2905-115.6786 | -12       | 0-404443 | 04/15/74    | 16        | 8                  | 5.5          | 0    | 23              | 0-1-7-6-6-4-1-1-1-3-2-2     | 8        | 4  | 10.90                           |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 3516-115.6388 | -12       | 0-404444 | 04/15/74    | 16        | 11                 | 7.0          | 0    | 23              | 0-1-7-6-6-4-1-1-1-3-2-2     | 8        | 4  | 6.00                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 3422-115.6727 | -12       | 0-404445 | 04/15/74    | 17        | 9                  | 5.5          | 0    | 26              | 0-1-7-6-6-4-1-1-1-3-2-2     | 8        | 4  | 5.70                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 3416-115.6727 | -12       | 0-404446 | 04/15/74    | 17        | 9                  | 5.5          | 0    | 22              | 0-1-7-6-6-4-1-1-1-3-2-2     | 8        | 4  | 5.20                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 6722-114.0430 | -12       | 0-404447 | 04/16/74    | 10        | 12                 | 10.0         | 0    | 40              | 0-1-7-6-6-3-1-1-2-3-3-4     | 8        | 4  | 2.90                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 7114-114.0461 | -12       | 0-404448 | 04/16/74    | 10        | 12                 | 8.0          | 0    | 43              | 0-1-7-6-6-3-1-1-2-3-3-4     | 8        | 4  | 5.20                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 7127-114.0461 | -12       | 0-404449 | 04/16/74    | 10        | 12                 | 8.0          | 0    | 40              | 0-1-7-6-6-3-1-1-2-3-3-4     | 8        | 4  | 5.20                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 6927-114.0194 | -12       | 0-404450 | 04/16/74    | 11        | 12                 | 7.0          | 0    | 46              | 0-1-7-6-6-3-1-1-2-3-3-4     | 8        | 4  | 6.70                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 6838-114.0058 | -12       | 0-404451 | 04/16/74    | 11        | 12                 | 7.0          | 0    | 28              | 0-1-7-6-6-3-1-1-2-3-3-4     | 8        | 4  | 4.80                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 7194-114.0511 | -12       | 0-404452 | 04/16/74    | 12        | 13                 | 7.0          | 0    | 40              | 0-1-7-6-6-3-1-1-2-3-3-4     | 8        | 4  | 4.00                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 5052-114.0122 | -12       | 0-404453 | 04/16/74    | 12        | 13                 | 7.0          | 0    | 40              | 0-1-7-6-6-3-1-1-2-3-3-4     | 8        | 4  | 2.80                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 5600-114.0334 | -12       | 0-404454 | 04/16/74    | 12        | 15                 | 7.0          | 0    | 42              | 0-1-7-6-6-3-1-1-2-3-3-4     | 8        | 4  | 2.80                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 5803-114.0419 | -12       | 0-404455 | 04/16/74    | 14        | 15                 | 7.0          | 0    | 42              | 0-1-7-6-6-3-1-1-2-3-3-4     | 8        | 4  | 2.80                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 5803-114.0419 | -12       | 0-404456 | 04/16/74    | 14        | 15                 | 7.0          | 0    | 17              | 0-1-7-6-6-3-1-1-2-3-3-4     | 8        | 4  | 2.50                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 5297-114.0534 | -12       | 0-404457 | 04/16/74    | 14        | 14                 | 4.0          | 0    | 26              | 0-1-7-6-6-3-1-1-2-3-3-4     | 8        | 4  | 3.20                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 5572-114.0127 | -12       | 0-404458 | 04/16/74    | 15        | 13                 | 9.0          | 0    | 26              | 0-1-7-6-6-3-1-1-2-3-3-4     | 8        | 4  | 2.50                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 6016-114.0825 | -12       | 0-404459 | 04/16/74    | 15        | 13                 | 9.0          | 0    | 52              | 0-1-7-6-6-3-1-1-2-3-3-4     | 8        | 4  | 3.40                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 5455-114.0164 | -12       | 0-404460 | 04/16/74    | 15        | 13                 | 11.0         | 0    | 120             | 0-1-7-6-6-3-1-1-2-3-3-4     | 8        | 4  | 3.50                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 4358-114.0164 | -12       | 0-404461 | 04/16/74    | 15        | 12                 | 8.2          | 0    | 12              | 0-1-7-6-6-3-1-1-2-3-3-4     | 8        | 4  | 3.40                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 4347-114.0164 | -12       | 0-404462 | 04/16/74    | 15        | 12                 | 8.0          | 0    | 13              | 0-1-7-6-6-3-1-1-2-3-3-4     | 8        | 4  | 3.20                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 3308-114.0027 | -12       | 0-404463 | 04/17/74    | 11        | 12                 | 6.0          | 0    | 12              | 0-1-7-6-6-4-1-1-2-1-4-4-2   | 8        | 4  | 3.10                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 3308-114.0027 | -12       | 0-404464 | 04/17/74    | 11        | 12                 | 6.0          | 0    | 12              | 0-1-7-6-6-4-1-1-2-1-4-4-2   | 8        | 4  | 4.40                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 3308-114.0066 | -12       | 0-404465 | 04/17/74    | 12        | 12                 | 7.2          | 0    | 10              | 0-1-7-6-6-4-1-1-2-1-4-4-2   | 8        | 4  | 4.20                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 3325-114.0100 | -12       | 0-404466 | 04/17/74    | 12        | 7                  | 9.0          | 0    | 12              | 0-1-7-6-6-4-1-1-2-1-4-4-2   | 8        | 4  | 7.80                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 5238-114.0008 | -12       | 0-404467 | 04/19/74    | 10        | 13                 | 8.0          | 0    | 42              | 0-1-1-5-6-3-1-1-1-4-5-2     | 8        | 4  | 2.40                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 5805-115.8311 | -12       | 0-404468 | 04/19/74    | 11        | 9                  | 6.0          | 0    | 40              | 0-1-1-5-6-3-1-1-1-4-5-2     | 8        | 4  | 6.60                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 5888-115.9158 | -12       | 0-404469 | 04/19/74    | 11        | 15                 | 13.0         | 0    | 110             | 0-1-1-5-6-3-1-1-1-4-5-2     | 8        | 4  | 3.40                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 7822-114.0102 | -12       | 0-404470 | 04/19/74    | 12        | 14                 | 7.5          | 0    | 13              | 0-1-6-6-6-4-1-1-1-4-5-3     | 8        | 4  | 3.70                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 6630-114.0102 | -12       | 0-404471 | 04/19/74    | 13        | 14                 | 7.5          | 0    | 16              | 0-1-6-6-6-4-1-1-1-4-5-3     | 8        | 4  | 3.20                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 4241-114.4637 | -12       | 0-404472 | 04/19/74    | 17        | 17                 | 12.0         | 0    | 300             | 0-1-1-5-6-1-1-3-1-1-2-3-3-4 | 8        | 4  | 2.60                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 3936-114.4637 | -12       | 0-404473 | 04/19/74    | 17        | 15                 | 8.0          | 0    | 32              | 0-1-1-5-6-1-1-3-1-1-2-3-3-4 | 8        | 4  | 4.00                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 3791-115.6619 | -12       | 0-404474 | 04/20/74    | 12        | 15                 | 8.0          | 0    | 32              | 0-1-1-5-6-4-1-1-1-4-5-3     | 8        | 4  | 5.80                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 3777-115.6349 | -12       | 0-404475 | 04/20/74    | 13        | 12                 | 8.0          | 0    | 35              | 0-1-1-5-6-4-1-1-1-4-5-3     | 8        | 4  | 5.80                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |
| 30-48 | 6155-113.7415 | -12       | 0-404476 | 04/22/74    | 12        | 12                 | 6.0          | 0    | 115             | 0-1-4-5-6-4-1-1-2-1-4-5-4   | 8        | 4  | 3.90                            |                          |                                   |           |                |                 |            |             |             |                 |                    |        |                 |           |











APPENDIX E  
CODE TO DATA LISTINGS AND SAMPLE TYPES USED  
BY  
THE LOS ALAMOS SCIENTIFIC LABORATORY  
IN THE  
NURE HYDROGEOCHEMICAL AND STREAM SEDIMENT RECONNAISSANCE

ITEM E-I  
EXPLANATION OF CODE USED IN LASL HSSR DATA LISTINGS  
(PAGES E-1 THROUGH E-5)

ITEM E-II  
NUMERICAL KEY AND SPECIFICATIONS  
FOR SAMPLE TYPES TAKEN BY THE LASL

(PAGE E-6)



## APPENDIX ITEM I

### EXPLANATION OF CODE USED IN OPEN-FILE LISTINGS OF HYDROGEOCHEMICAL AND STREAM SEDIMENT RECONNAISSANCE DATA PROVIDED BY THE LOS ALAMOS SCIENTIFIC LABORATORY

#### ERDA SAMPLE NUMBER

STATE: A two-digit Federal Information Processing Standards (FIPS) code, designating the state from which each sample came. For the states being covered by the LASL, the code numbers are:

|          |      |            |      |
|----------|------|------------|------|
| Alaska   | = 02 | New Mexico | = 35 |
| Colorado | = 08 | Wyoming    | = 56 |
| Montana  | = 30 |            |      |

LATITUDE AND LONGITUDE: Sample location, in degrees and decimal degrees to four places. However, though generally much better, locational accuracy cannot be guaranteed closer than about 300 m (1000 ft).

ERDA LAB: An Energy Research and Development Administration (ERDA) one-digit identifier designating the national laboratory responsible for taking the sample and the data shown in the listing, as well as providing the analysis giving the uranium and other elemental concentrations, if any. The LASL is designated by the numeral 2.

SAMPLE TYPE: A two-digit identifier which specifically designates the pertinent properties defining the sample type to which the listed data relate. For explanation of the code used, refer to the attached "Numerical Key and Specifications for Sample Types Taken by the LASL."

REPLICATE: A three-digit sequential number assigned to indicate a multiple sample of a single sample type from a single location. The largest number in use indicates the most recent sample taken, and there will always be smaller sequential numbers representing earlier samples back to 000, which is the initial sample from any given location. Except in the case of special studies, there will be no replicate samples and this entry will therefore be 000.

#### LASL SAMPLE NUMBER AND FIELD DATA

LASL SAMPLE NUMBER: A unique six-digit number permanently assigned by the LASL to every location sampled in each state. For internal use, these numbers are assigned in blocks to the various areas individually treated and reported upon, and therefore serve to generally locate the samples within the various states as follows.

|      | <u>Location Numbers</u>   |   | <u>State</u> |
|------|---------------------------|---|--------------|
| from | 000 001 through 099 999   | = | New Mexico   |
| from | 100 001 through 199 999   | = | Colorado     |
| from | 200 001 through 299 999   | = | Wyoming      |
| from | 300 001 through 399 999   | = | Montana      |
| from | 400 001 through and above | = | Alaska       |

**TIME SAMPLED:** The DATE that the sample was taken, in terms of the number of the MONTH, followed by the DAY and finally the YEAR, separated by slashes, and then the TIME it was taken on that data to the nearest whole HOUR on a military (24-hour) clock.

**AIR TEMPERATURE:** The temperature that was measured in the shade at the time of sampling, to the nearest whole degree Celsius ( $^{\circ}\text{C}$ ).

**WATER TEMPERATURE:** The temperature that was measured in the sample water (in situ whenever possible) at the time of sampling, to the nearest one-tenth of a degree Celsius ( $0.1^{\circ}\text{C}$ ).

**COMMENTS:** A "C" in this column indicates that some secondary comment not included in the listing was recorded at the sample location. This information will be used by the LASL in evaluating the data and, if appropriate, it will be mentioned in the final report.

**SPECIAL MEASUREMENTS:** An "S" in this column indicates that one or more field measurements in addition to those listed were made at the sample location. A description of any special parameters measured and the measured value at each sample location will be included in the final HSSR survey report on the area.

**pH:** The pH, to the nearest one-tenth (0.1) of a pH unit, that was measured in the water at the sample location at the time of sampling.

**SPECIFIC CONDUCTANCE:** The conductivity, in  $\mu\text{mhos/cm}$ , that was measured in the water at the sample location at the time of sampling.

**SCINTILLOMETER:** The equivalent uranium (eU), in parts per million (ppm), as measured on a flat ground surface within 10 m of the sample location using a scintillometer fitted with a differential gamma sampler (DGS). The effect of the DGS is to introduce a fixed geometry into the measurement and remove the background.

**ROCK TYPE:** The single digit in this column provides a general description of the dominant lithologic regime at or near the sample location, as given below.

|                 |             |
|-----------------|-------------|
| 1 = Sedimentary | 3 = Igneous |
| 2 = Metamorphic | 4 = Unknown |

**ROCK COLOR:** The single digit in this column provides an indication of the observed dominant color of local bedrock exposures at or near the sample location, as given below.

|                |              |           |
|----------------|--------------|-----------|
| 1 = White/Buff | 4 = Pink/Red | 7 = Gray  |
| 2 = Yellow     | 5 = Green    | 8 = Black |
| 3 = Orange     | 6 = Brown    | 9 = Other |

**SEDIMENT TYPE:** The single digit in this column provides a subjective evaluation of the dominant sediment type at the sample location, as given below.

|              |          |           |
|--------------|----------|-----------|
| 1 = Boulders | 4 = Sand | 7 = Other |
| 2 = Cobbles  | 5 = Mud  |           |
| 3 = Gravel   | 6 = Muck |           |

**SEDIMENT COLOR:** The single digit in this column indicates the observed dominant color of the bottom sediment (stream channel, lake bed, etc.) at the sample location at the time of sampling, as given below.

|                |              |           |
|----------------|--------------|-----------|
| 1 = White/Buff | 4 = Pink/Red | 7 = Gray  |
| 2 = Yellow     | 5 = Green    | 8 = Black |
| 3 = Orange     | 6 = Brown    | 9 = Other |

**WATER FLOW:** The single digit in this column provides a subjective evaluation of the water movement at the sample location at the time of sampling, as given below.

|              |              |             |
|--------------|--------------|-------------|
| 1 = Stagnant | 3 = Moderate | 5 = Torrent |
| 2 = Slow     | 4 = Fast     |             |

**WATER LEVEL:** The single digit in this column provides a subjective estimate of water quantity at the time of sampling, relative to its usual condition at the sample location, as given below.

|         |            |           |
|---------|------------|-----------|
| 1 = Dry | 3 = Normal | 5 = Flood |
| 2 = Low | 4 = High   |           |

**WATER COLOR:** The single digit in this column provides a subjective evaluation of suspended load in the sample water as, given below.

|           |            |           |
|-----------|------------|-----------|
| 1 = Clear | 3 = Cloudy | 5 = Algal |
| 2 = Murky | 4 = Muddy  | 6 = Other |

**STREAM CHANNEL:** The single digit here gives a subjective evaluation of stream channel character at the sample location at the time of sampling, as given below.

|                |             |             |
|----------------|-------------|-------------|
| 1 = Depositing | 2 = Eroding | 3 = Unknown |
|----------------|-------------|-------------|

**VEGETATION TYPE:** The single digit in this column provides a subjective evaluation of the dominant plant type in the vicinity of the sample location, according to the key below.

|               |           |           |
|---------------|-----------|-----------|
| 1 = Conifers  | 4 = Grass | 7 = Other |
| 2 = Deciduous | 5 = Moss  |           |
| 3 = Brush     | 6 = Marsh |           |

**VEGETATION DENSITY:** The single digit in this column provides a subjective estimate of the amount of plant cover in the vicinity of the sample location, according to the key below.

|            |              |                |
|------------|--------------|----------------|
| 1 = Barren | 3 = Moderate | 5 = Very Dense |
| 2 = Sparse | 4 = Dense    |                |

**RELIEF:** The single digit in this column provides a subjective evaluation of the topography within a few hundred meters of the sample location, according to the key below.

|                 |                         |                   |
|-----------------|-------------------------|-------------------|
| 1 = Flat        | 3 = Gentle (15-60 m)    | 5 = High (>300 m) |
| 2 = Low (<15 m) | 4 = Moderate (60-300 m) | 6 = Other         |

WEATHER: The single digit in this column gives the observed climatic condition at the sample location at the time of sampling, as given by the key below.

|                   |              |           |
|-------------------|--------------|-----------|
| 1 = Clear         | 3 = Overcast | 5 = Snowy |
| 2 = Partly cloudy | 4 = Rainy    | 6 = Other |

OWNERSHIP: The single digit here gives a broad classification of administrative responsibility or general ownership of the land at the sample location, according to the key below.

|             |             |           |
|-------------|-------------|-----------|
| 1 = Federal | 3 = Private | 5 = Other |
| 2 = State   | 4 = Indian  |           |

CONTAMINANTS: The single digit here indicates known or suspected local factors likely to influence analytical results, according to the key below.

|                 |                      |                |
|-----------------|----------------------|----------------|
| 1 = None        | 4 = Industry         | 7 = Urban      |
| 2 = Mining      | 5 = Sewage           | 8 = Recreation |
| 3 = Agriculture | 6 = Power generation | 9 = Other      |

WELL TYPE: The single digit in this column provides a general description of the type of water well from which the sample was taken (if, in fact, it was a well sample), according to the key below.

|                       |                   |               |
|-----------------------|-------------------|---------------|
| 1 = Windmill-stock    | 4 = Suction pump  | 7 = Hand bail |
| 2 = Windmill-domestic | 5 = Jet pump      | 8 = Unknown   |
| 3 = Submersible pump  | 6 = Large turbine | 9 = Other     |

WELL DIAMETER: The one or two digits (if any) in this column give the measured or estimated inside diameter, in inches, of the casing of the well from which the sample (if taken from a well) came.

WELL DEPTH: The one, two, or three digits (if any) in this column give the total drilled depth from the surface, in feet, of the well from which the sample (if taken from a well) came. Three 9s in this column indicates a well depth greater than 1000 ft.

WATER DEPTH: The one, two, or three digits in this column give the depth, in feet, from the surface to the standing water in the well, if known (if the sample was taken from a well). A -1 in this column indicates a flowing artesian well.

**URANIUM CONCENTRATION:** The value given in this column is the analytically derived value of the uranium concentration found in the water sample in parts per billion (ppb), or in the sediment sample in parts per million (ppm). Sample Types No. 1 through 10 and 21 through 30 are water samples, with their uranium concentrations given in ppb, while Sample Types No. 11 through 20 and 31 through 40 are sediment samples, with their uranium concentration given in ppm.

APPENDIX ITEM II

ABBREVIATED NUMERICAL KEY AND SPECIFICATIONS  
FOR COMMON SAMPLE TYPES TAKEN BY  
THE LOS ALAMOS SCIENTIFIC LABORATORY (LASL)  
IN THE NATIONAL URANIUM RESOURCE EVALUATION (NURE)  
HYDROGEOCHEMICAL AND STREAM SEDIMENT RECONNAISSANCE (HSSR)

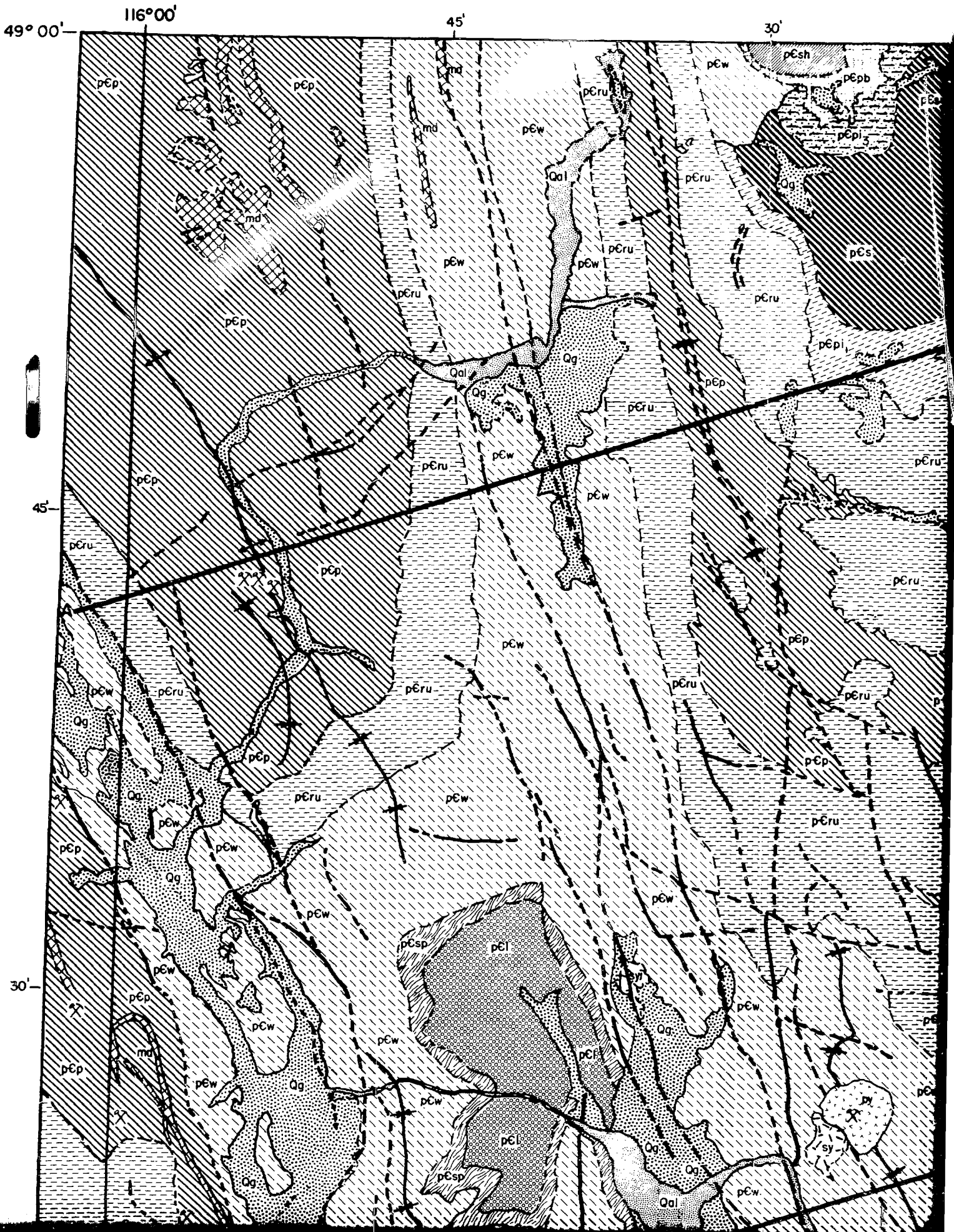
This numerical key provides the necessary tie between the specific type or form of each sample taken in the LASL HSSR program and each individual suite of field and laboratory data to which the sample relates. It defines the various sample types generally to be collected by the LASL in the ERDA HSSR for uranium.

The two-digit key number assigned to each sample type herein designates three distinct properties of the most common types of samples taken by the LASL in the NURE HSSR project. These properties are: (a) The general sample source (spring or stream or dry stream, etc.); (b) The sample medium (water or sediment, etc.); and (c) The treatment given the sample in the field or laboratory prior to its analysis by the LASL.

The key numbers are inserted in the appropriate columns of the specially formatted ERDA sample numbering system to positively identify the sample type for all LASL sample data submitted. An expanded version of this key, which includes sample types less commonly used by the LASL, will be provided whenever data from such samples are submitted.

| <u>KEY NO.</u> | <u>SOURCE / MEDIUM / TREATMENT</u>  |
|----------------|---|
| 01 -           | <u>Spring water sample untreated.</u>   |
| 02 -           | <u>Stream water sample untreated.</u>   |
| 03 -           | <u>Well water sample untreated.</u>   |
| 04 -           | <u>Natural pond water sample untreated.</u>   |
| 05 -           | <u>Artificial pond water sample untreated.</u>  |
| 06 -           | <u>Spring water sample filtered</u> through an 0.45- $\mu$ membrane filter <u>and acidified</u> to a pH of $\leq 1$ with reagent-grade nitric acid ( $\text{HNO}_3$ ).          |
| 07 -           | <u>Stream water sample filtered</u> through an 0.45- $\mu$ membrane filter <u>and acidified</u> to a pH of $\leq 1$ with reagent-grade nitric acid ( $\text{HNO}_3$ ).          |
| 08 -           | <u>Well water sample filtered</u> through an 0.45- $\mu$ membrane filter <u>and acidified</u> to a pH of $\leq 1$ with reagent-grade nitric acid ( $\text{HNO}_3$ ).            |
| 09 -           | <u>Natural pond water sample filtered</u> through an 0.45- $\mu$ membrane filter <u>and acidified</u> to a pH of $\leq 1$ with reagent-grade nitric acid ( $\text{HNO}_3$ ).    |
| 10 -           | <u>Artificial pond water sample filtered</u> through an 0.45- $\mu$ membrane filter <u>and acidified</u> to a pH of $\leq 1$ with reagent-grade nitric acid ( $\text{HNO}_3$ ). |

- 11 - Wet spring sediment sample dried at  $\leq 100^{\circ}\text{C}$  and sieved to -100 mesh through stainless steel sieves.
  - 12 - Wet stream sediment sample dried at  $\leq 100^{\circ}\text{C}$  and sieved to -100 mesh through stainless steel sieves.
  - 13 - Wet natural pond sediment sample dried at  $\leq 100^{\circ}\text{C}$  and sieved to -100 mesh through stainless steel sieves.
  - 14 - Wet artificial pond sediment sample dried at  $\leq 100^{\circ}\text{C}$  and sieved to -100 mesh through stainless steel sieves.
  - 15 - Dry stream sediment sample dried at  $\leq 100^{\circ}\text{C}$  (if necessary) and sieved to -100 mesh through stainless steel sieves.
  - 96 - Dry natural pond sediment sample dried at  $\leq 100^{\circ}\text{C}$  (if necessary) and sieved to -100 mesh through stainless steel sieves.
  - 97 - Dry artificial pond sediment sample dried at  $\leq 100^{\circ}\text{C}$  (if necessary) and sieved to -100 mesh through stainless steel sieves.
  - 98 - Other water
  - 99 - Other sediment
- These key numbers are to be used only for water (98) or sediment (99) samples coming from a special source and/or given a special treatment not described for any of the types of samples above. When used in the listings published herein, the source and treatment given the samples so designated are described in the text.









# LEGEND

|                |  |   |
|----------------|--|---|
| Missoula Group |  | Roosville Formation - vari-colored argillite with minor quartzite near base.  |
|                |  | Libby Formation - vari-colored argillite and thin limestone beds.             |
|                |  | Phillips Formation - sandstone, quartzite, and argillite.                     |
|                |  | Kintla Formation - argillite, sandstone, and quartzite.                       |
|                |  | Missoula Formation - argillite, quartzitic argillite, and quartzite.          |
|                |  | Shepard Formation - crystalline limestone and interbedded argillite.          |
|                |  | Striped Peak Formation - sericitic quartzite and argillite.                   |
| Piegan Group   |  | Purcell Lava - basic porphyritic and amygdaloidal lava.                       |
|                |  | Upper Piegan Unit - thin bedded argillite and minor limestone.                |
|                |  | Wallace Formation - argillite, dolomite, limestone, and minor quartzite.      |
|                |  | Siyeh Formation - thick bedded limestone and dolomite.                        |
|                |  | Siyeh Formation(?) - limestone (occurs in places with Missoula Group strata). |
| Ravalli Group  |  | Lower Piegan Unit - argillite, minor limestone, and quartzite.                |
|                |  | Ravalli undifferentiated - quartzite, quartzitic argillite, and argillite.    |
|                |  | Grinnell Formation - siliceous and calcareous argillite.                      |
|                |  | Appekunny Formation - argillite and quartzite.                                |
| Ravalli Group  |  | Prichard Formation - quartzite.   |

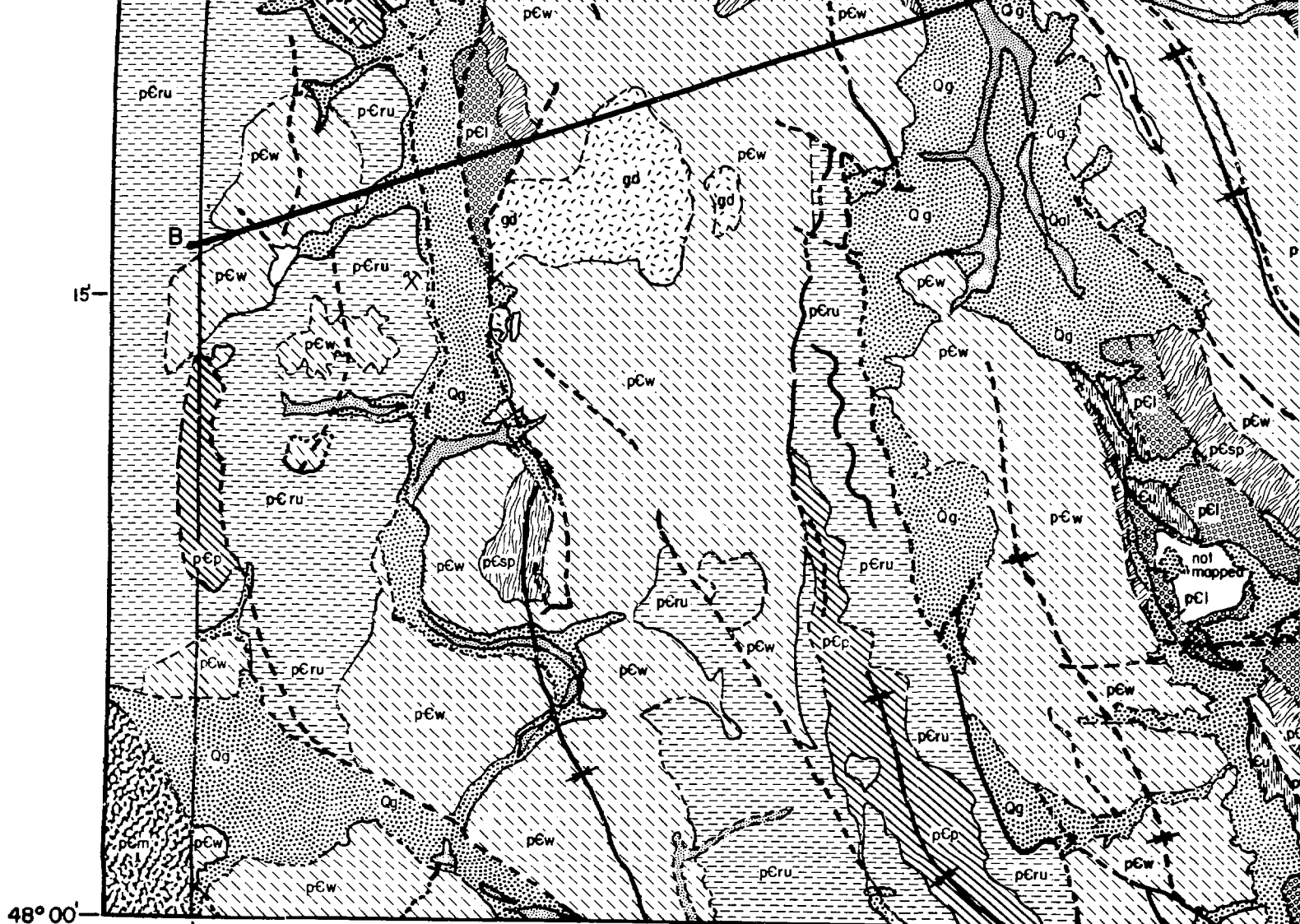
|           |                         |  |   |   |
|-----------|-------------------------|--|---|---|
| CENOZOIC  | Quaternary              |  | Alluvium - recent gravel, sand, and silt with some glacial outwash.                   |   |
|           |                         |  | Glacial silt and clay   |   |
|           |                         |  | Quaternary glacial silt, clay, drift, gravel, and alluvium.                           |   |
| CENOZOIC  | Tertiary                |  | Kisherehn Formation - sandstone, claystone, shale, and lignite.                       |   |
| MESOZOIC  | Jurassic                |  | Fernle Formation - dark fissile shale, dolomitic sandstone, limestone, and siltstone. |   |
| PALEOZOIC | Permian - Pennsylvanian |  | Rocky Mountain Formation - quartzite, quartzitic sandstone, and minor dolomite.       |   |
|           |                         | Mississippian                                      |   | Mississippian undifferentiated - limestones, cherty limestones, and dolomite. |
|           |                         |  | Devonian  |   |
| Cambrian  |                         | Cambrian undifferentiated - limestones and shales. |   |   |



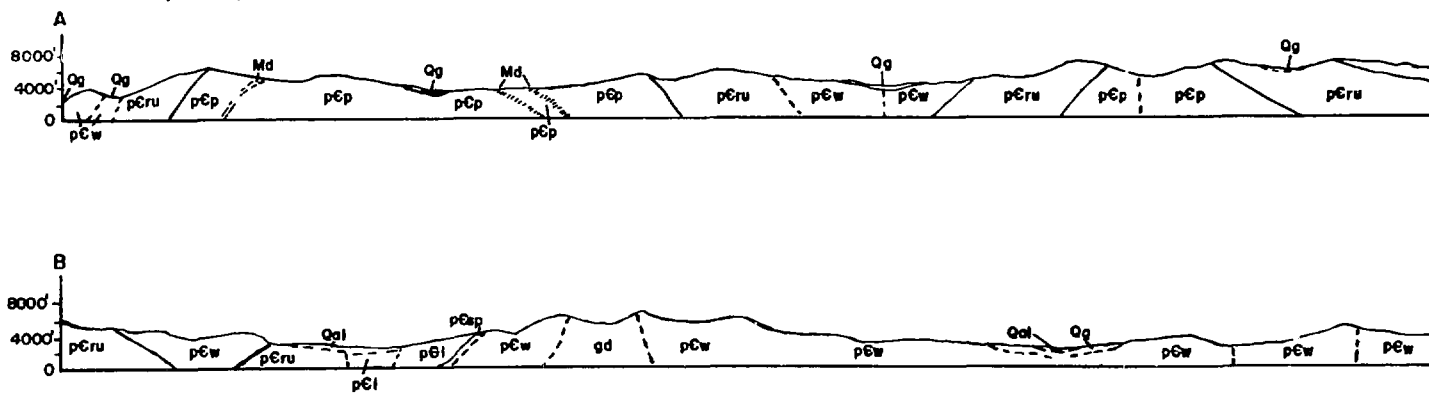
- Mining districts
- Syncline
- Anticline
- Contact
- Fault

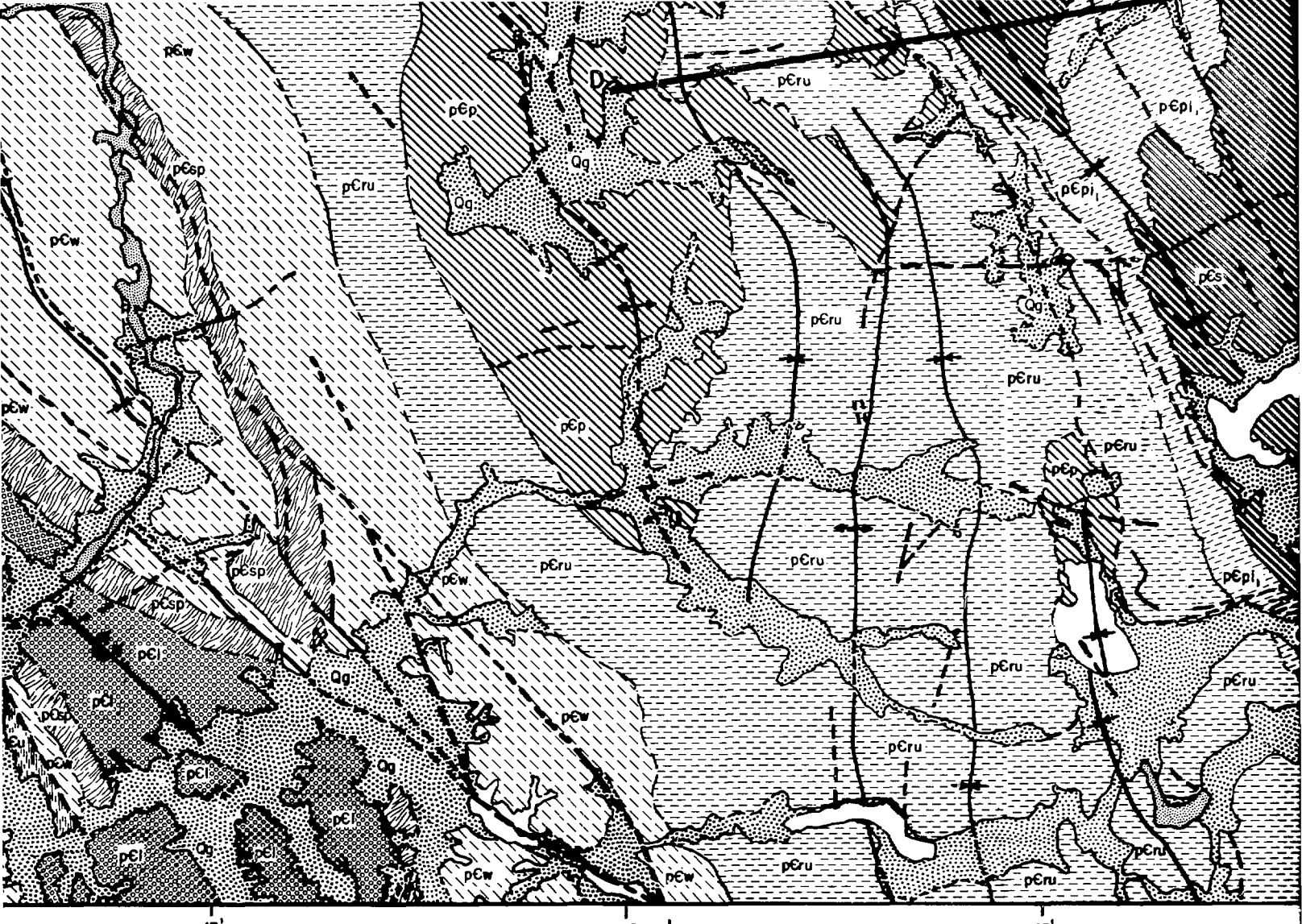
Established    Inferred  
 —————    - - - - -  
 Established    Inferred

# 4



116° 00'  
 Modified After W. M. JOHNS  
 and others  
 (1970)

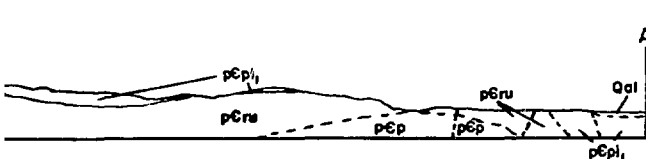




15'

105° 00'

45'



6

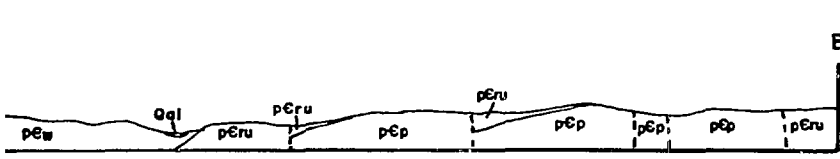
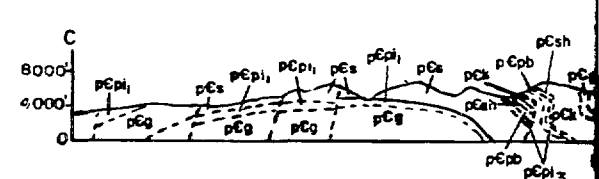
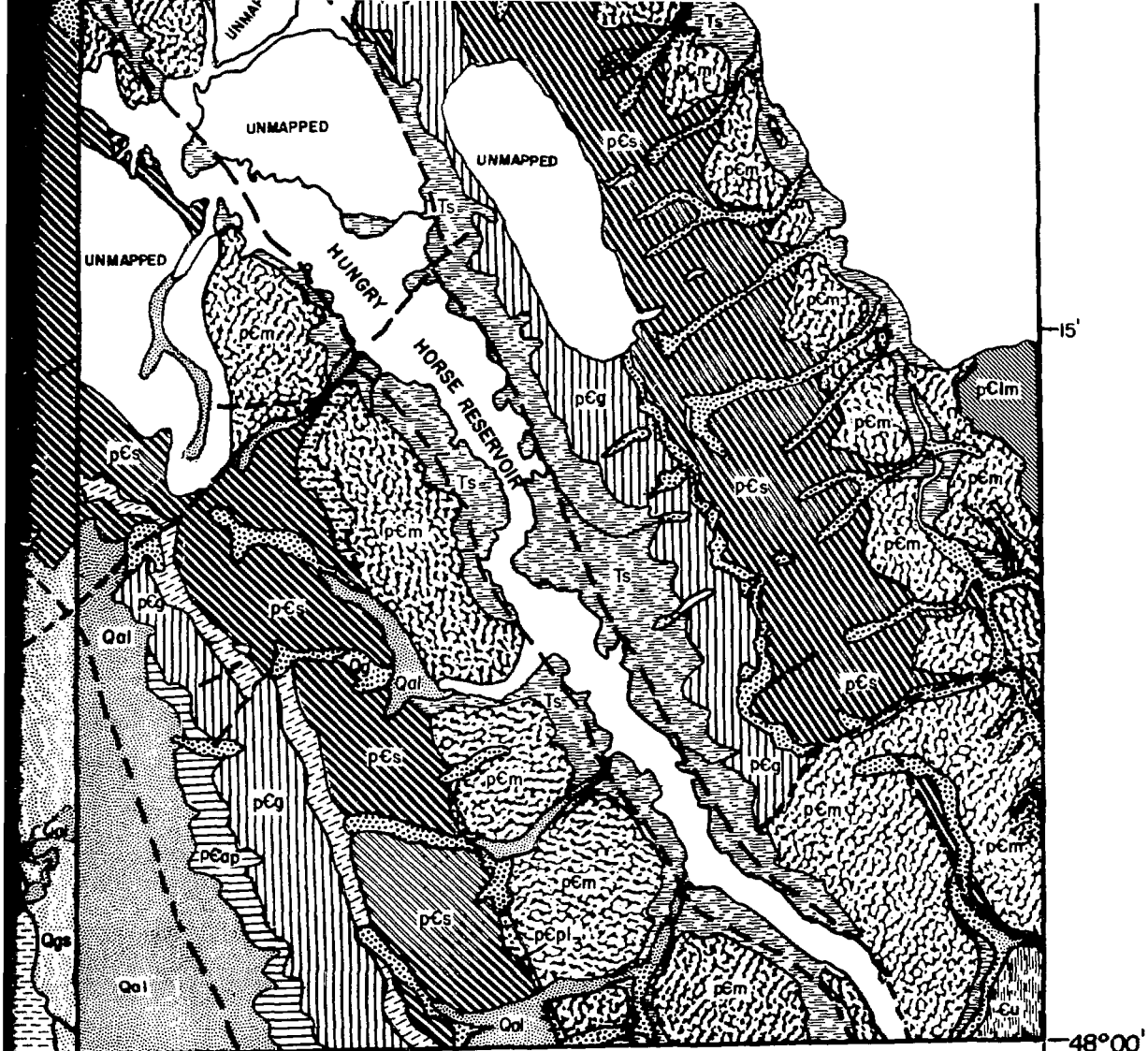


PLATE I  
 GENERALIZED GEOLOGICAL MAP  
 (PARTS OF LINCOLN AND FLATHEAD COUNTIES)  
 NORTHWEST MONTANA



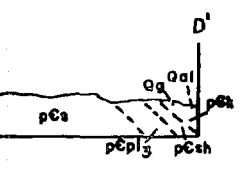


114°00' 45' 30' 48°00'

SCALE 1: 250 000

10 15 20 25 MILES

5 10 15 20 25 KILOMETERS



PRINTING OFFICE 1977-777-018/55

8









# PLATE II

14°00'

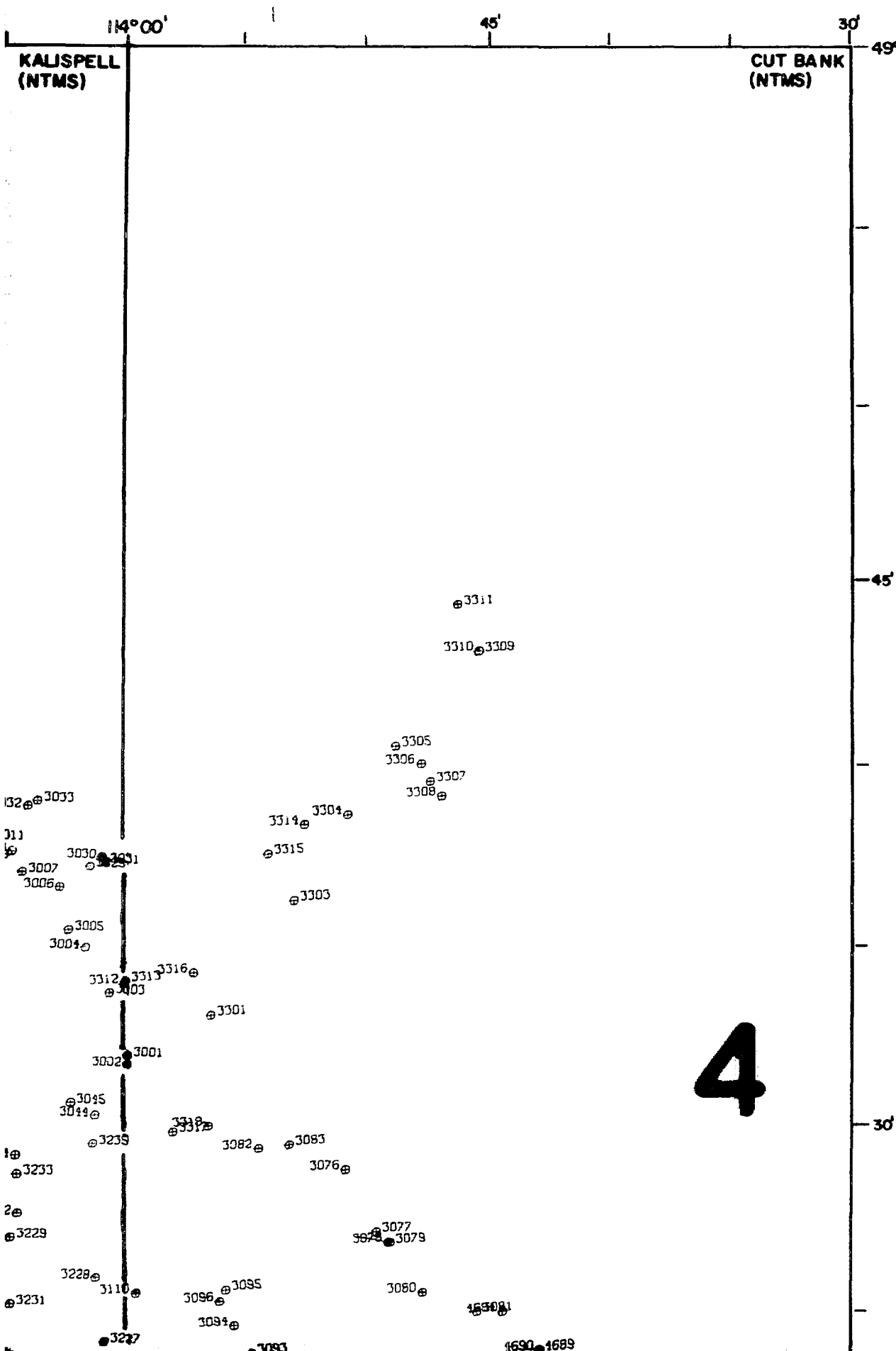
45'

30'

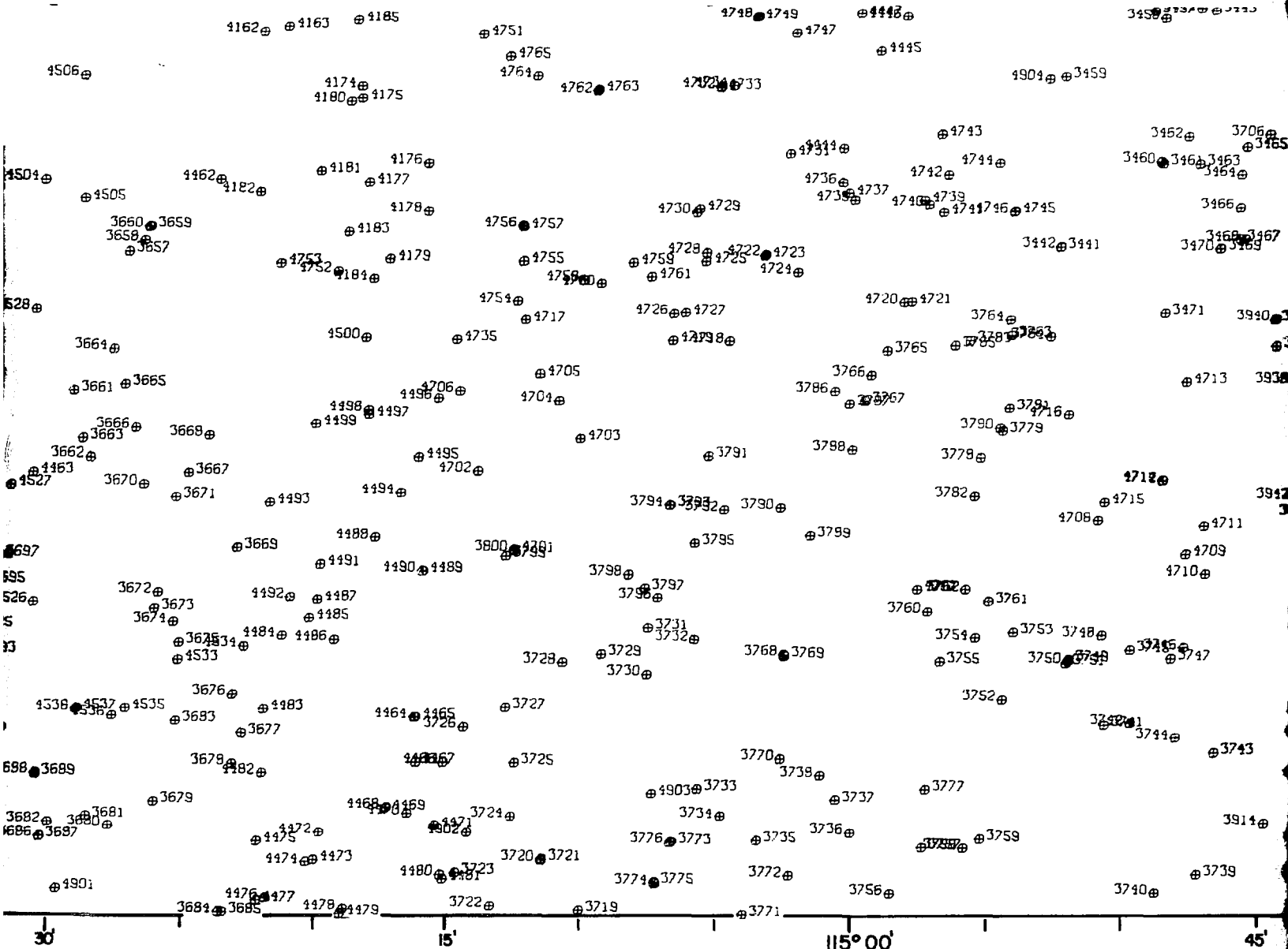
49°00'

KALISPELL  
(NTMS)

CUT BANK  
(NTMS)





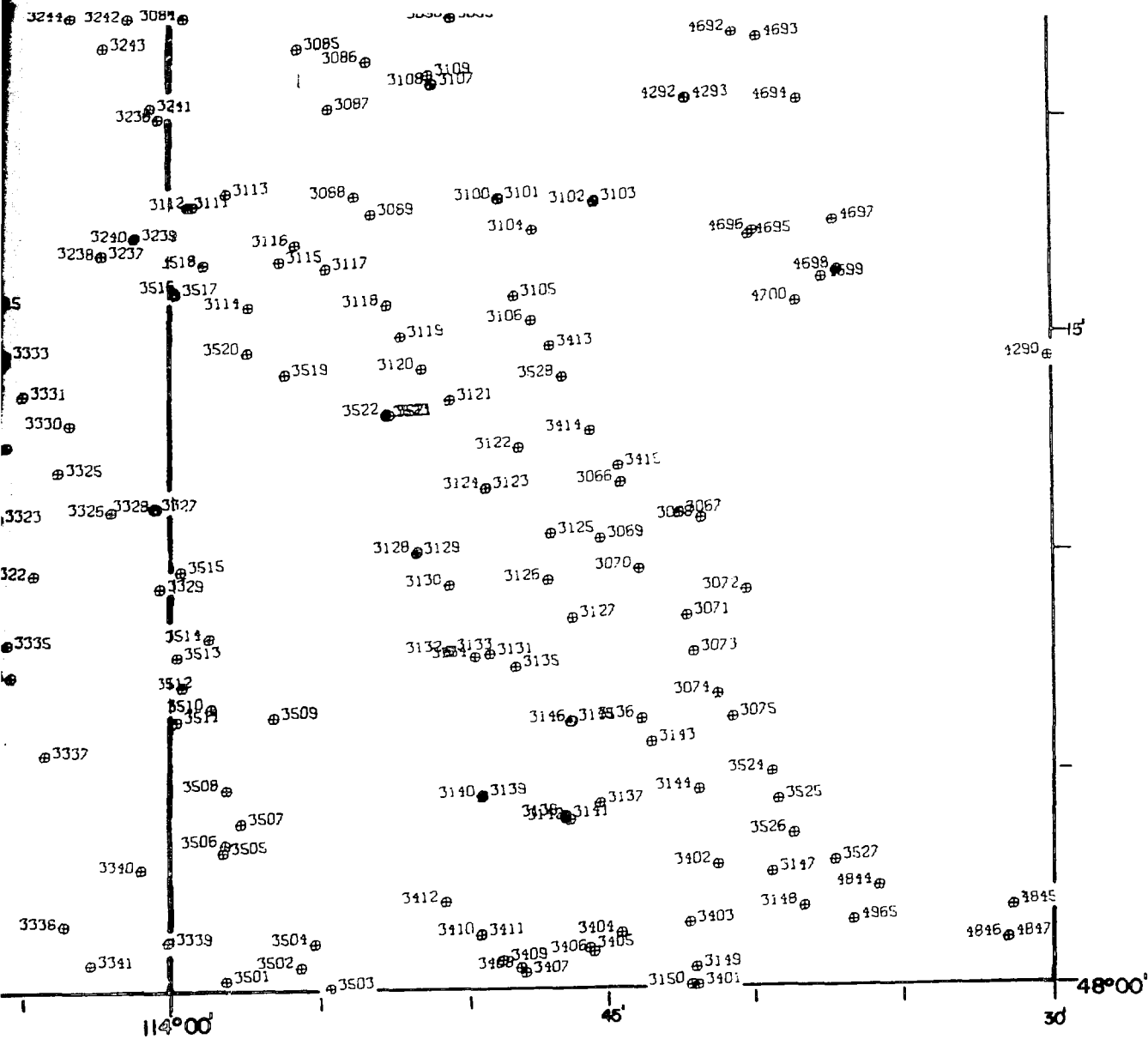


6

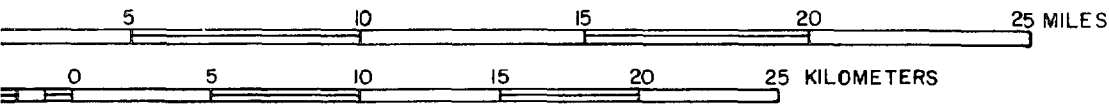
PLATE

WATER AND SEDIMENT SAMPLES  
LINCOLN AND FLATHEAD COUNTIES





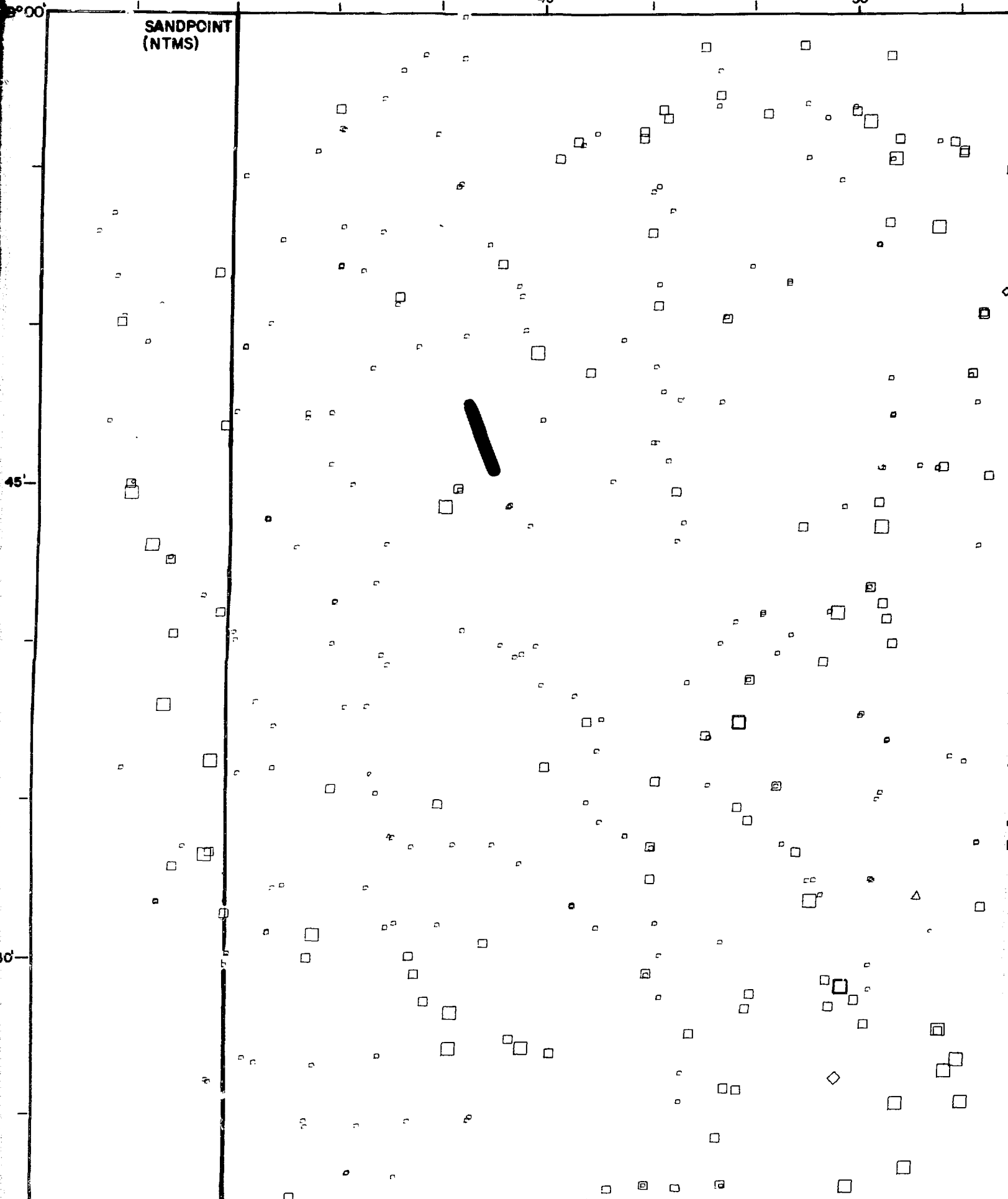
SCALE 1:250 000



8



SANDPOINT  
(NTMS)

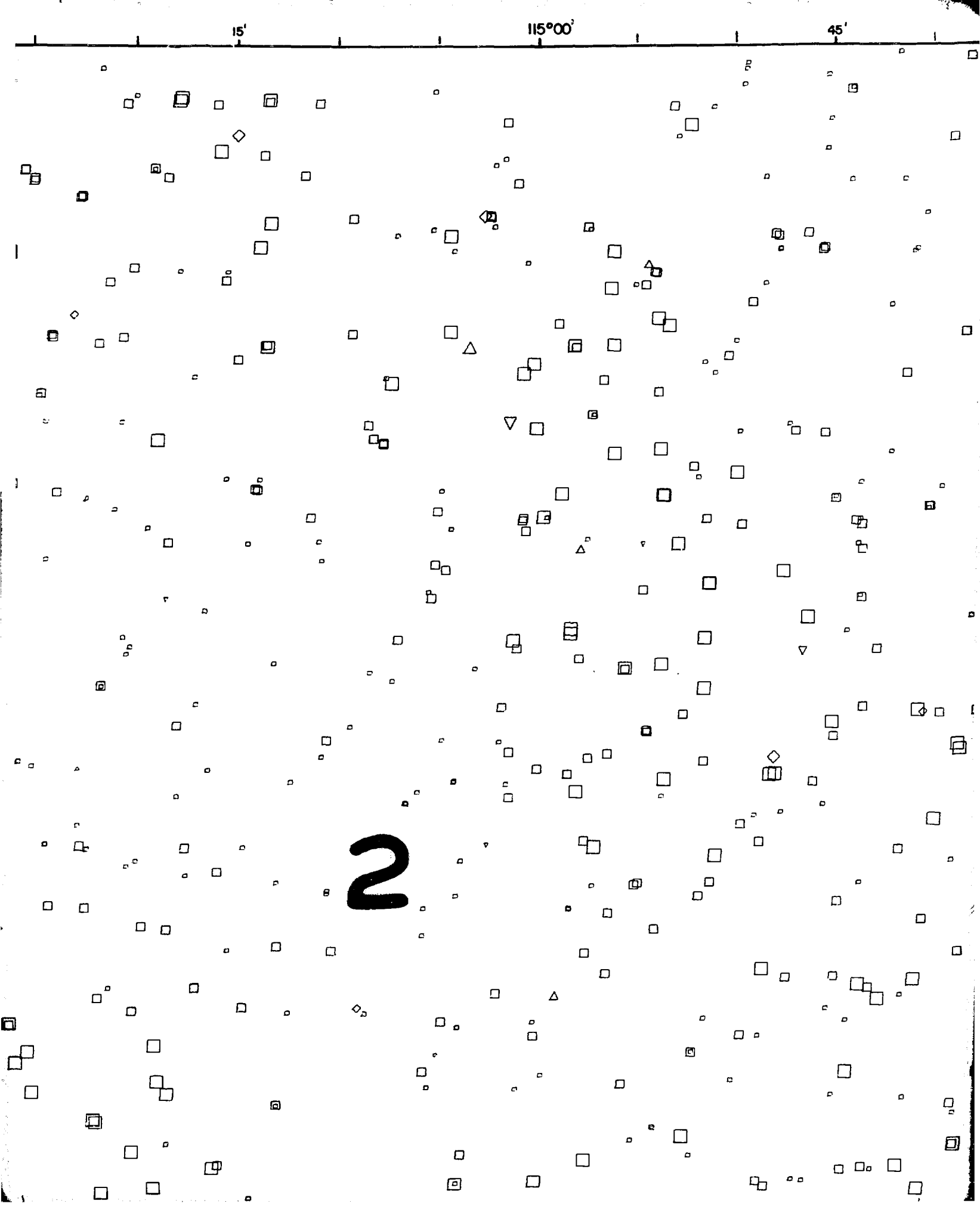


15'

115°00'

45'

2





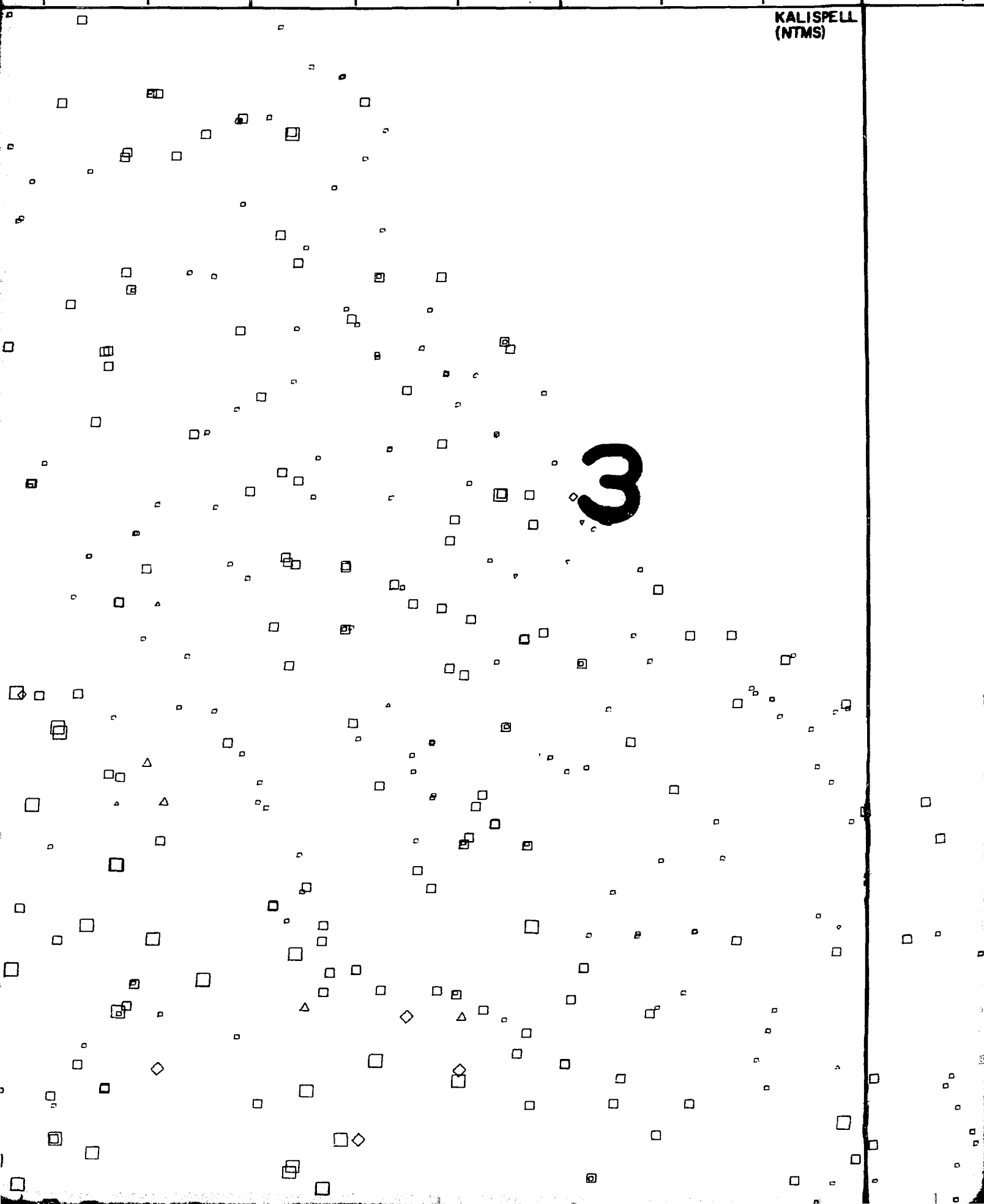
30'

15'

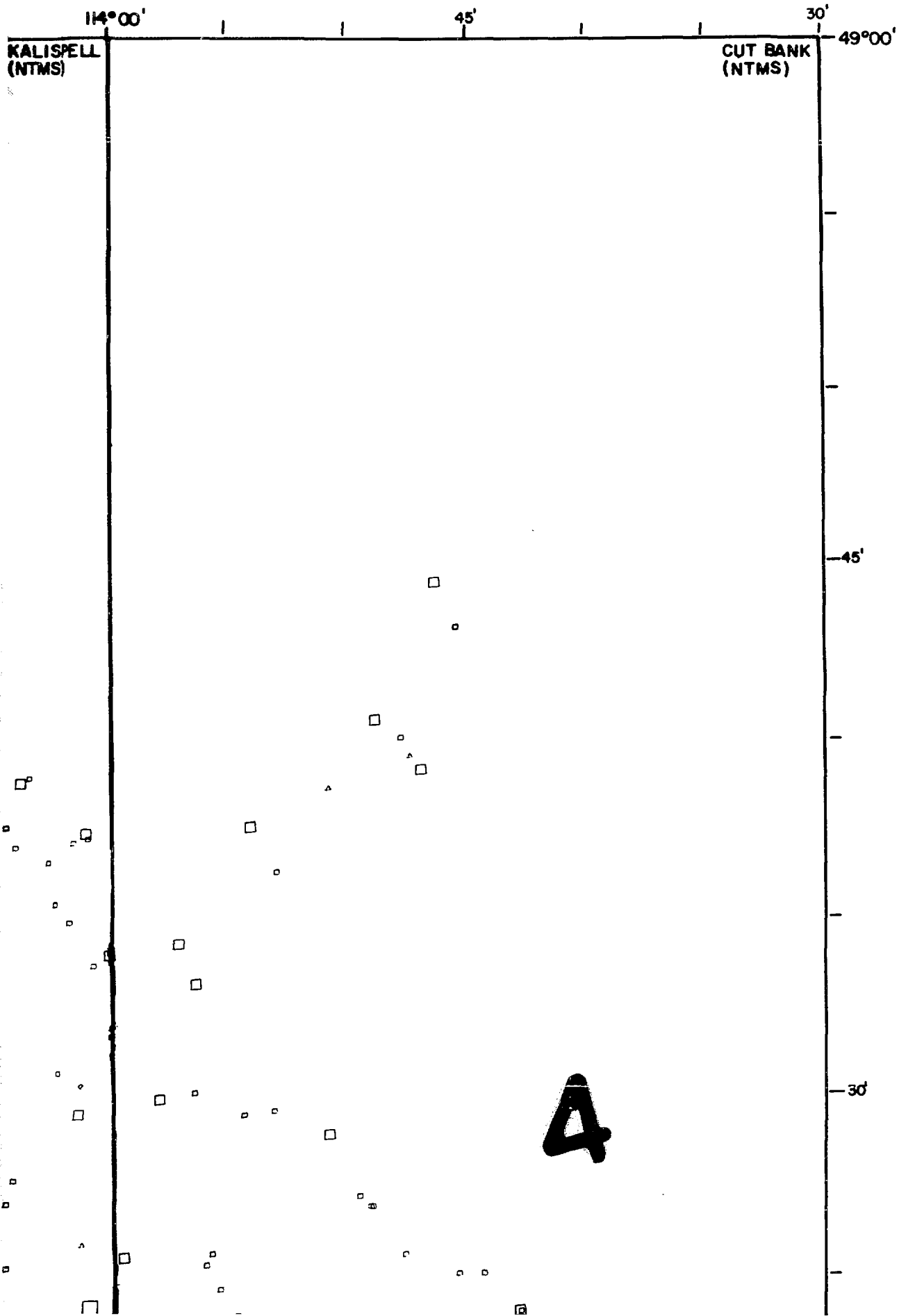
14°00'

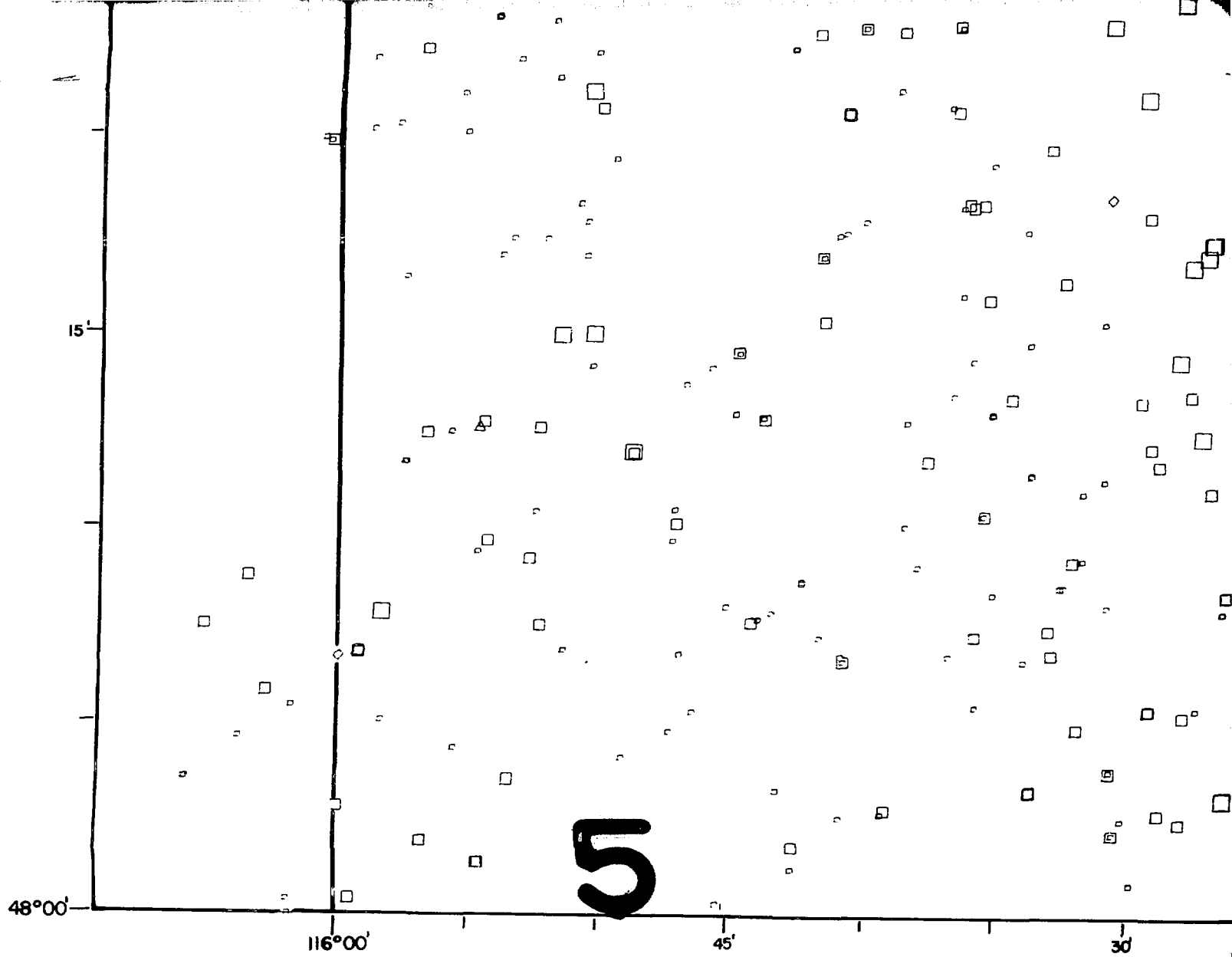
KALISPELL  
(NTMS)

3



# PLATE III





**LEGEND**

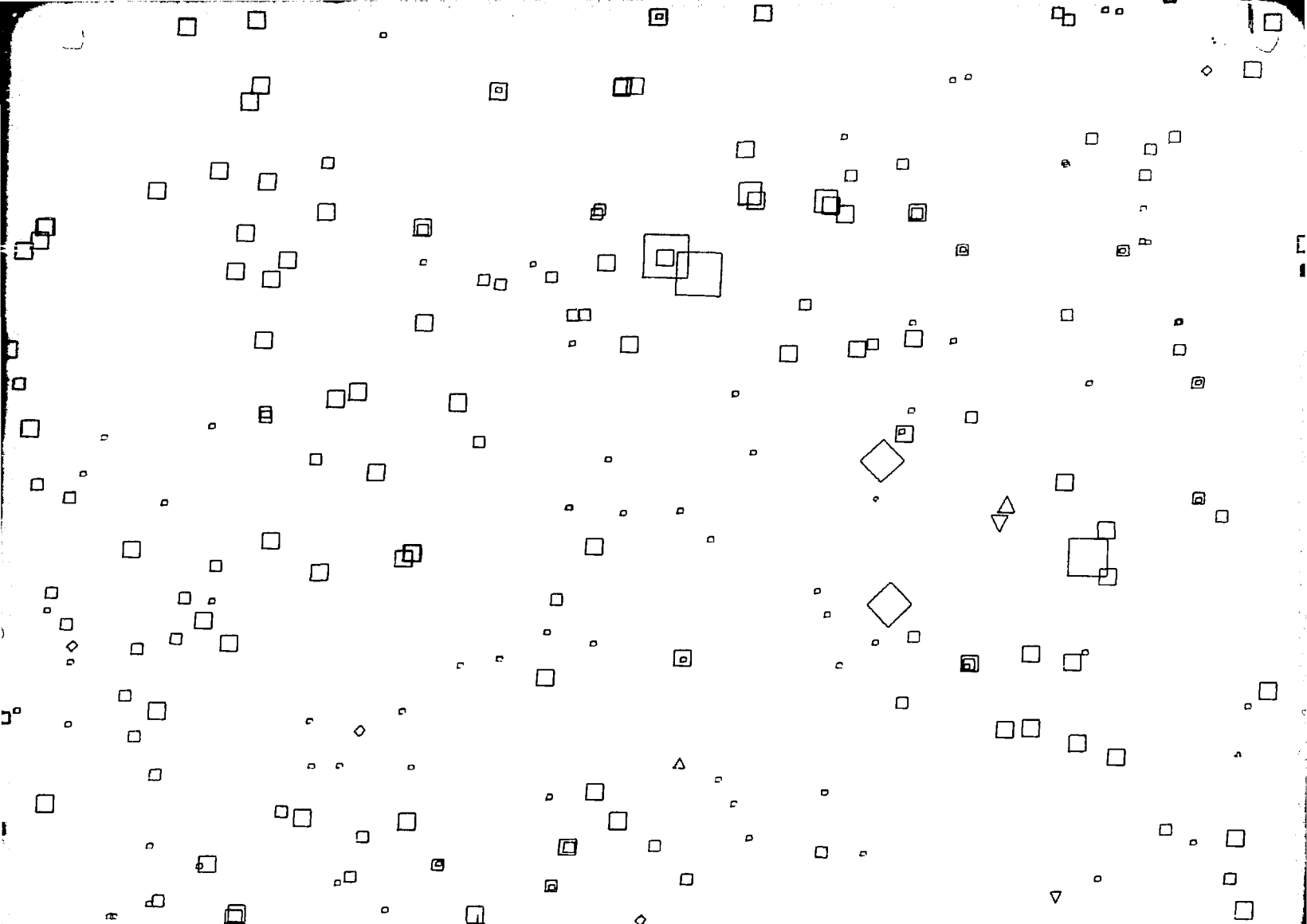
| WELL WATER | SPRING WATER | ARTIFICIAL POND WATER | NATURAL LAKE OR POND WATER | SURFACE STREAM WATER | TOTAL URANIUM (ppb)                 |
|------------|--------------|-----------------------|----------------------------|----------------------|-------------------------------------|
| ○          | ◇            | ▽                     | △                          | □                    | < 0.20<br>[< LOWER DETECTION LIMIT] |
| ○          | ◇            | ▽                     | △                          | □                    | 0.20-0.66<br>(0.20 to M)            |
| ○          | ◇            | ▽                     | △                          | □                    | 0.66-5.19<br>[M to (M+1σ)]          |
| ○          | ◇            | ▽                     | △                          | □                    | 5.19-7.46<br>[(M+1σ) to (M+1.5σ)]   |
| ○          | ◇            | ▽                     | △                          | □                    | 7.46-9.72<br>[(M+1.5σ) to (M+2σ)]   |
| ○          | ◇            | ▽                     | △                          | □                    | 9.72-11.99<br>[(M+2σ) to (M+2.5σ)]  |
| ○          | ◇            | ▽                     | △                          | □                    | 11.99-14.25<br>[(M+2.5σ) to (M+3σ)] |
| ○          | ◇            | ▽                     | △                          | □                    | > 14.25<br>[> (M+3σ)]               |

**NOTE:**

M=0.66 ppb = MEAN U VALUE FOR ALL WATER SAMPLES COMBINED.

(σ) STANDARD DEVIATION = 4.53

SAMPLES ≤ 10 ppb WERE ANALYZED BY FLUOROMETRY, SAMPLES > 10 WERE ANALYZED BY DELAYED NEUTRON COUNTING.



E FOR  
AMPLES

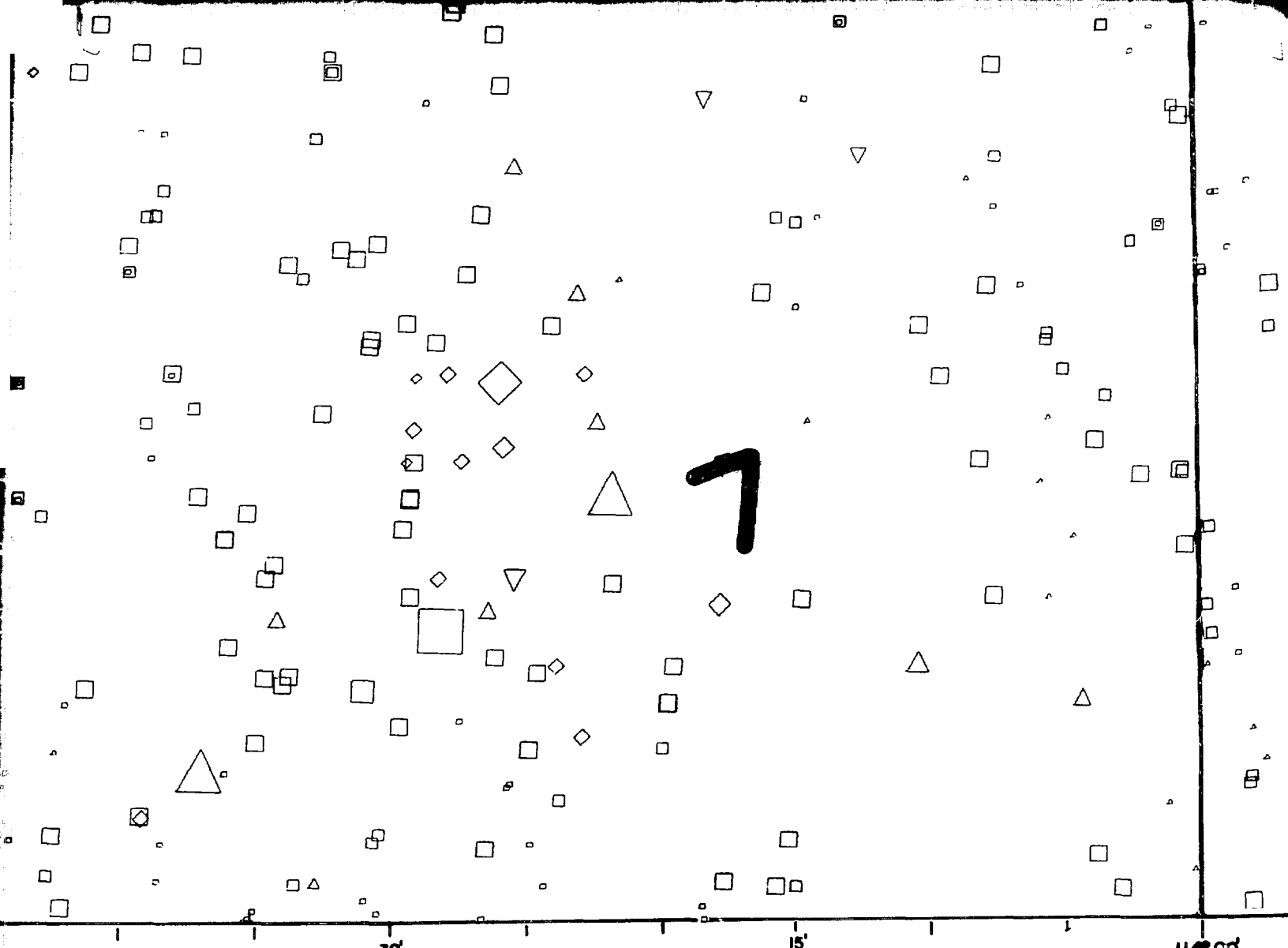
4.53 ppb

ALYZED  
> 10 ppb  
ED

6

PLATE III

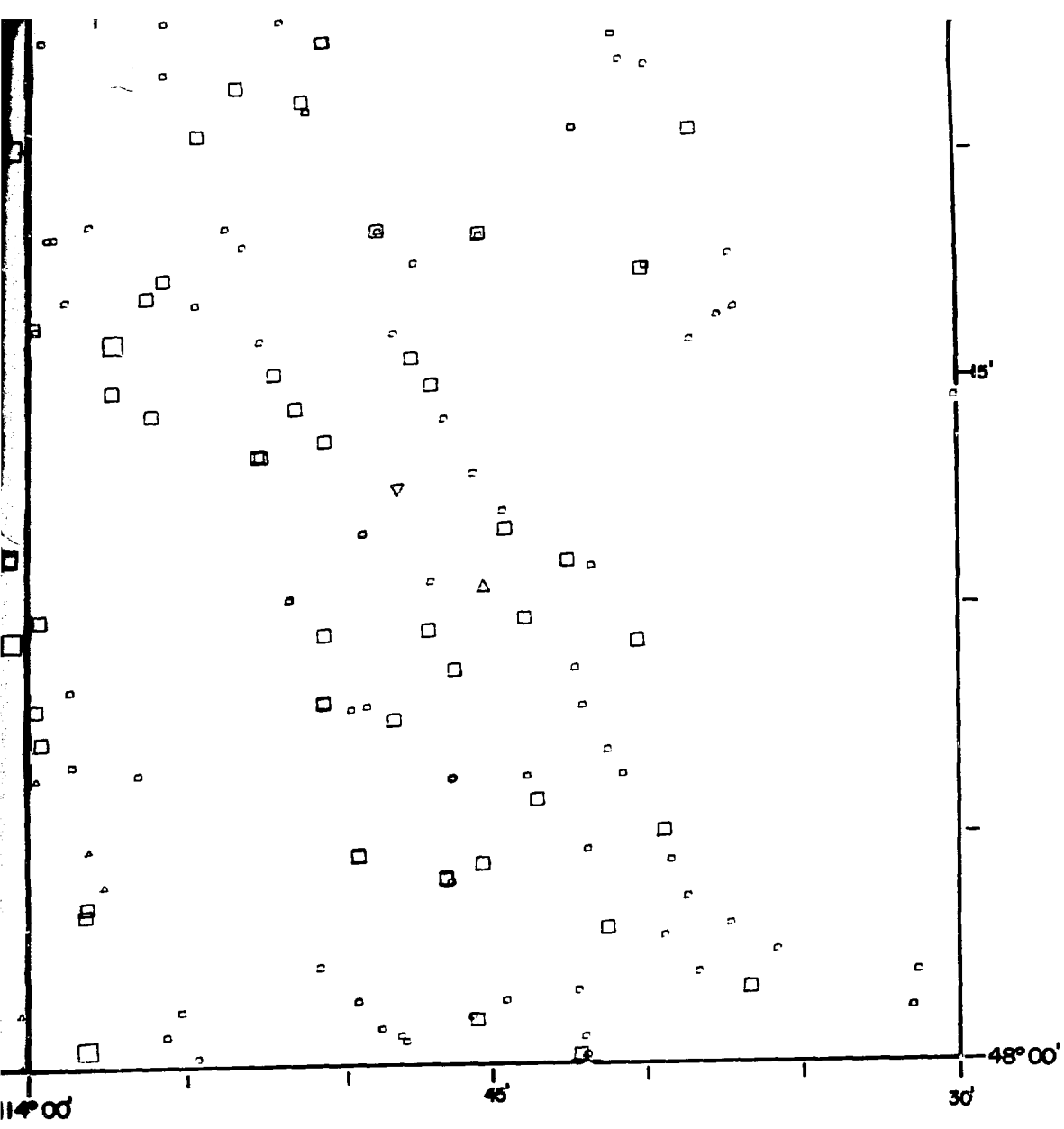
GRAPHIC PLOT OF URANIUM CONCENTR  
FROM LINCOLN AND FLATHEAD COUN  
(OVERLAY)



SCALE

### III

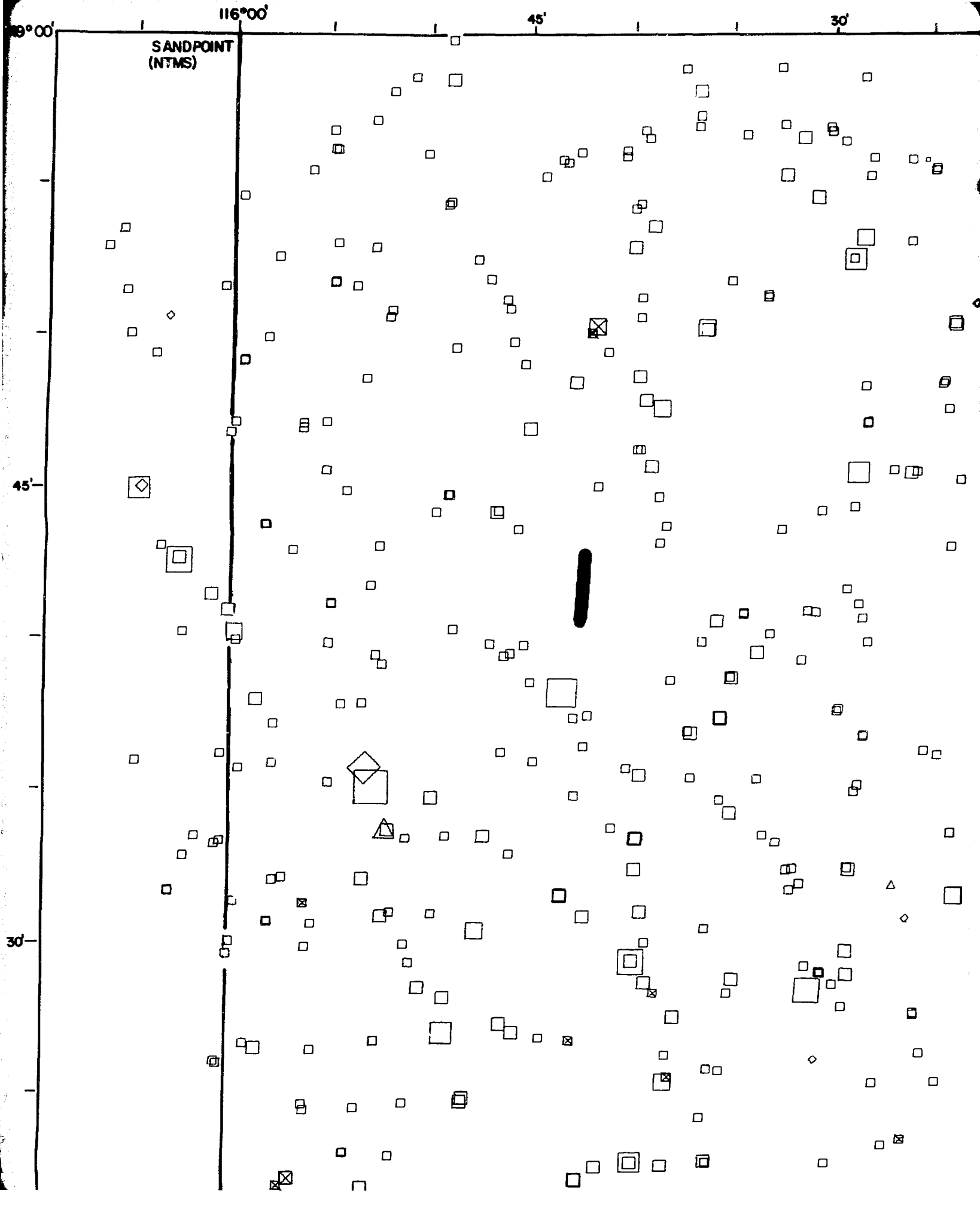
# CONCENTRATIONS IN WATER SAMPLES COUNTIES, NORTHWEST MONTANA



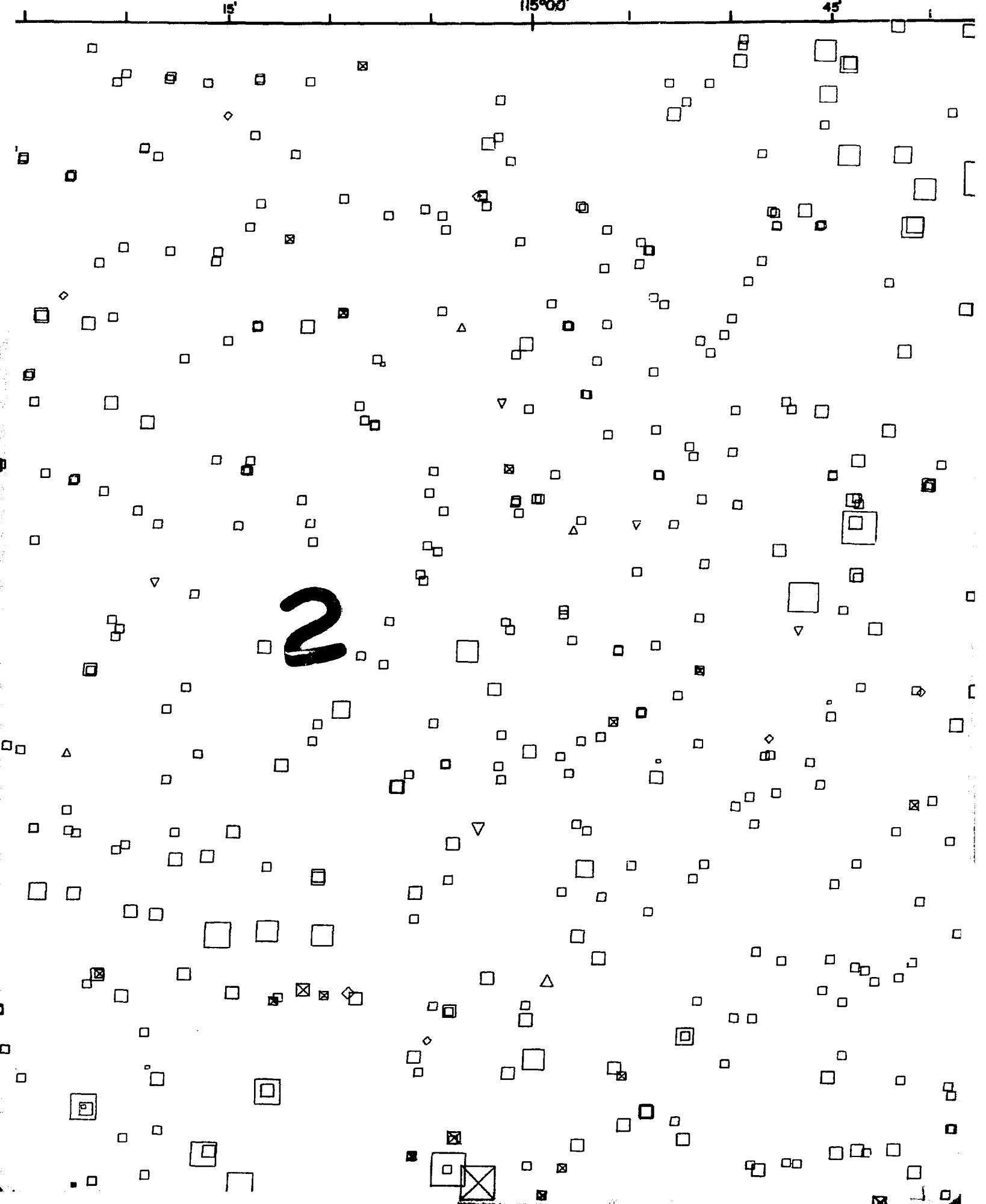
SCALE : 1 : 250 000



8



2





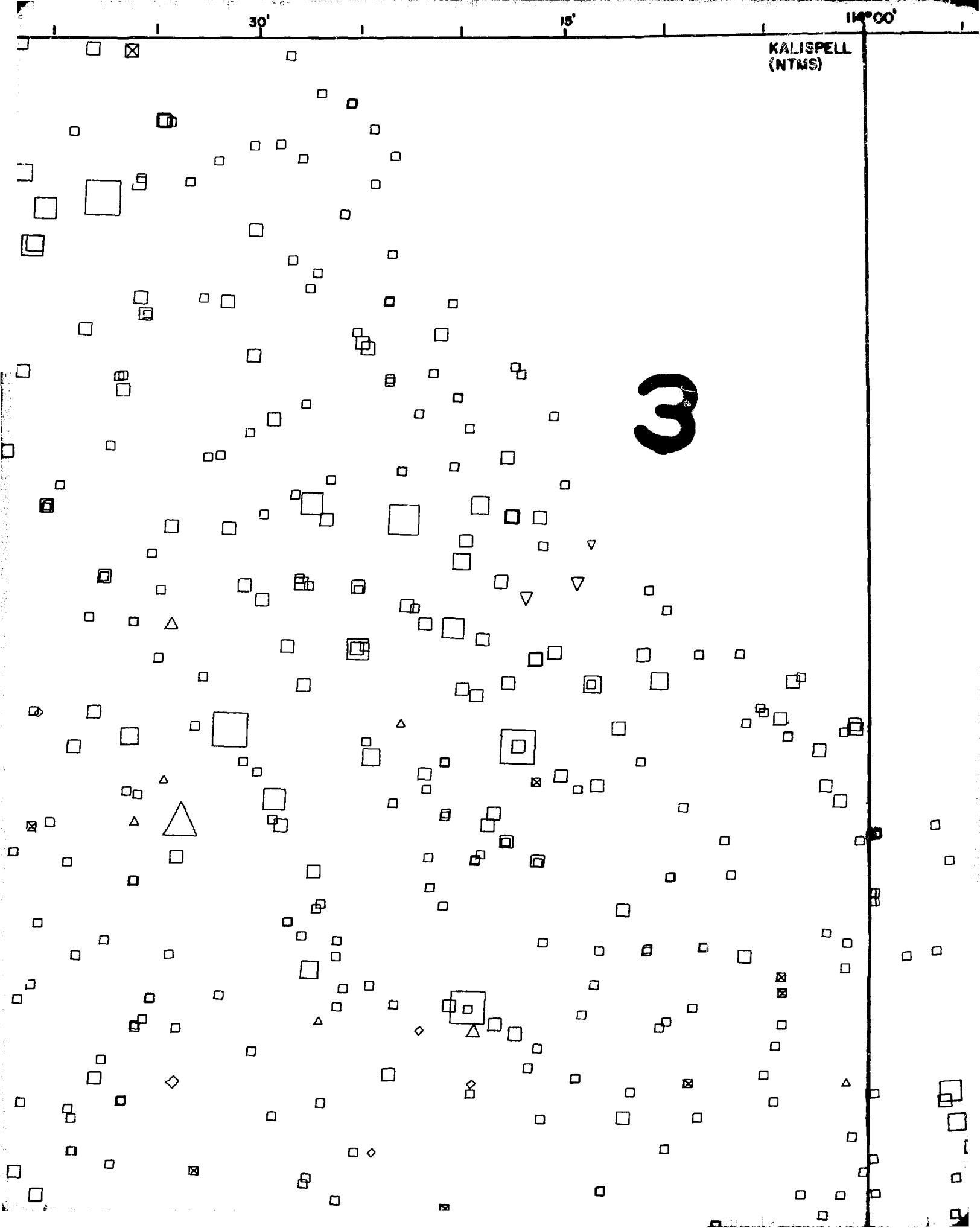
30'

15'

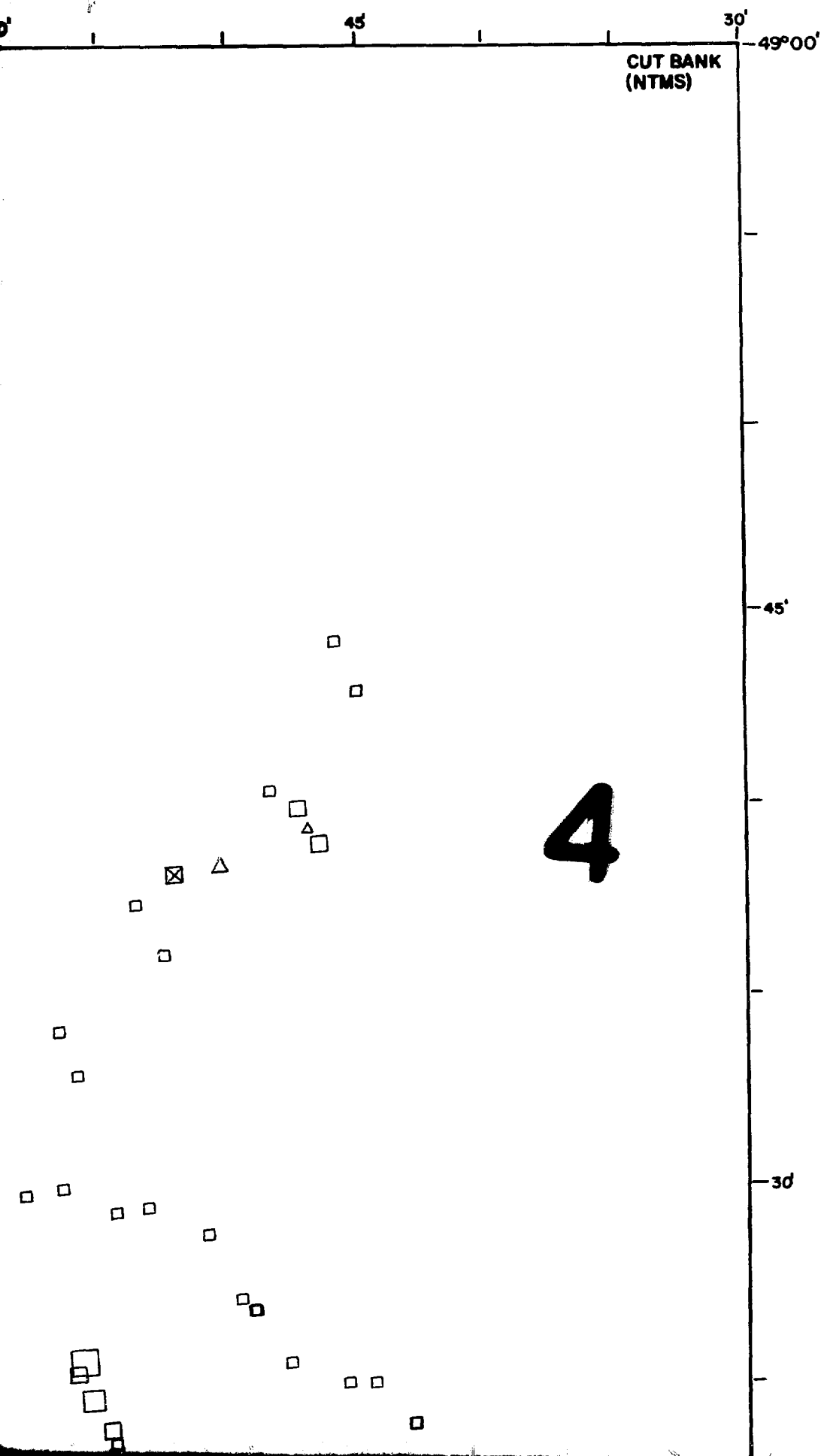
114°00'

KALISPELL  
(NTMS)

3

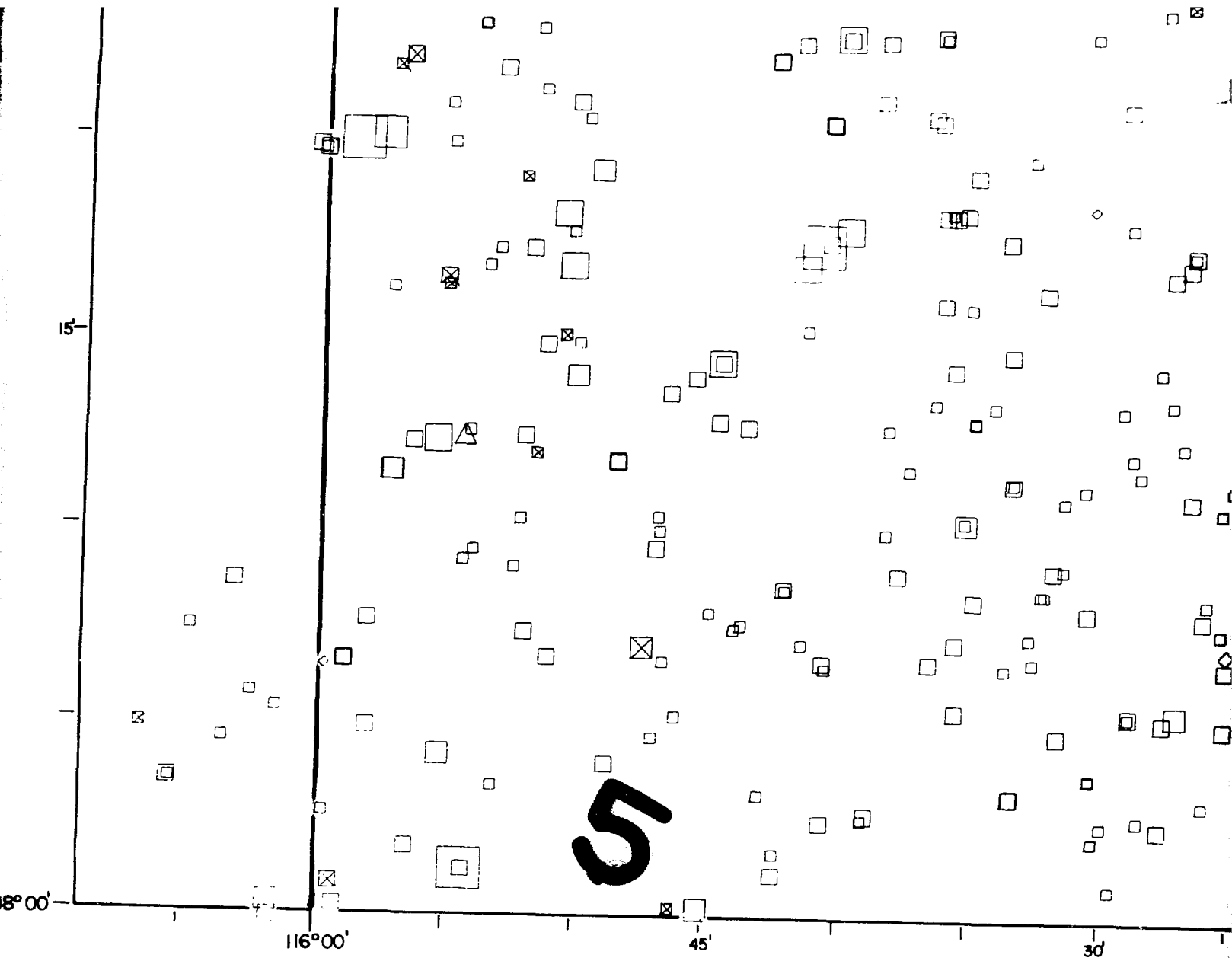


# PLATE IV



CUT BANK  
(NTMS)

4



LEGEND

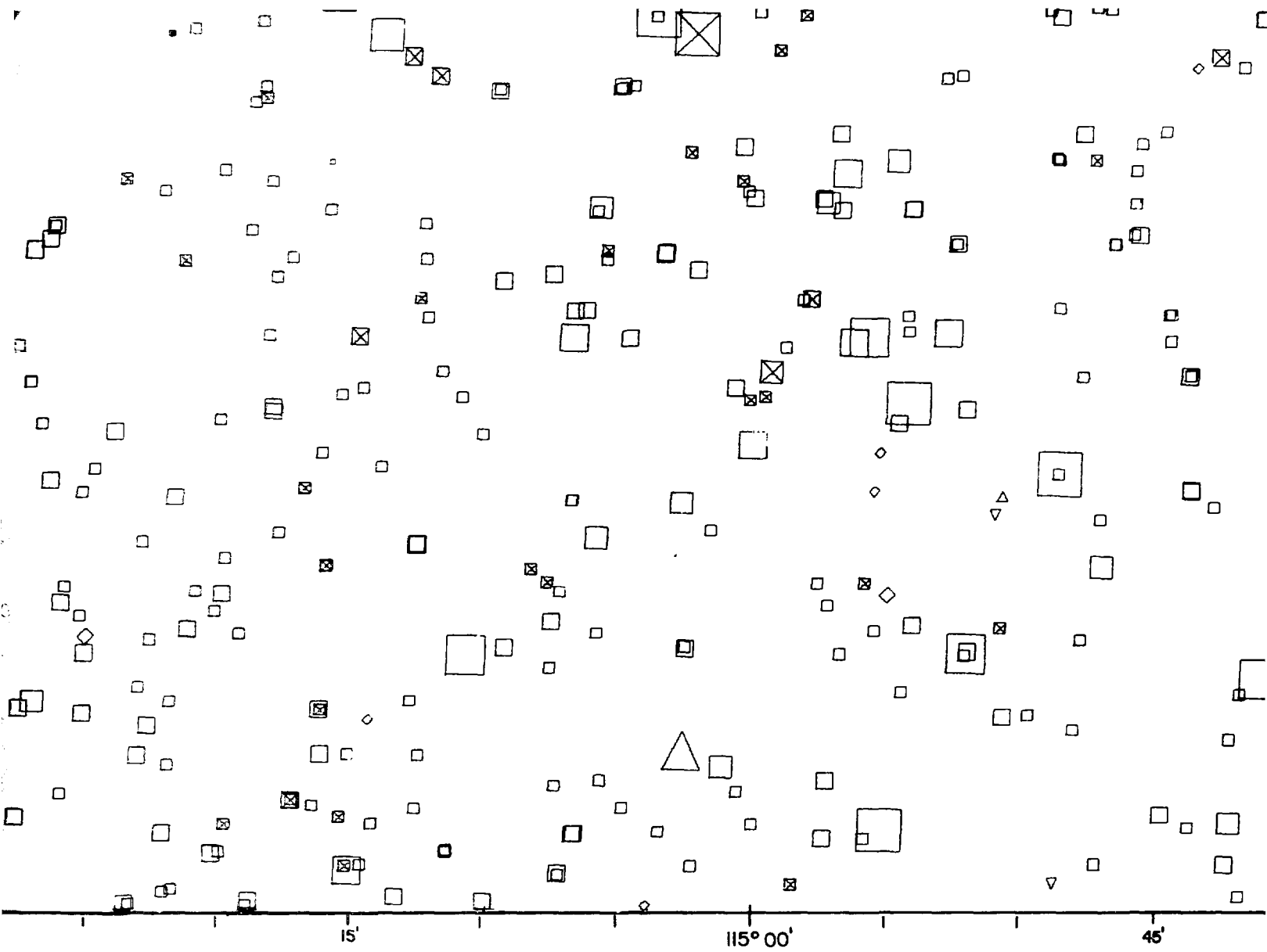
| DRY POND<br>SEDIMENT | DRY SPRING<br>SEDIMENT | WET<br>SPRING<br>SEDIMENT | WET<br>ARTIFICIAL<br>POND<br>SEDIMENT | WET NATURAL<br>LAKE OR<br>POND<br>SEDIMENT | DRY<br>STREAM<br>SEDIMENT | WET<br>STREAM<br>SEDIMENT | TOTAL URANIUM<br>(ppm)              |
|----------------------|------------------------|---------------------------|---------------------------------------|--|---------------------------|---------------------------|-------------------------------------|
| ○                    | +                      | ◊                         | ▽                                     | △  | ■                         | □                         | 0-1.31<br>[0 to (M-1σ)]             |
| ○                    | +                      | ◊                         | ▽                                     | △  | ⊠                         | □                         | 1.31-4.56<br>[(M-1σ) to M]          |
| ○                    | +                      | ◊                         | ▽                                     | △  | ⊠                         | □                         | 4.56-7.82<br>[M to (M+1σ)]          |
| ○                    | +                      | ◊                         | ▽                                     | △  | ⊠                         | □                         | 7.82-9.45<br>[(M+1σ) to (M+1.5σ)]   |
| ○                    | +                      | ◊                         | ▽                                     | △  | ⊠                         | □                         | 9.45-11.07<br>[(M+1.5σ) to (M+2σ)]  |
| ○                    | +                      | ◊                         | ▽                                     | △  | ⊠                         | □                         | 11.07-12.70<br>[(M+2σ) to (M+2.5σ)] |
| ○                    | +                      | ◊                         | ▽                                     | △  | ⊠                         | □                         | 12.70-14.32<br>[(M+2.5σ) to (M+3σ)] |
| ○                    | +                      | ◊                         | ▽                                     | △  | ⊠                         | □                         | >14.32<br>[>(M+3σ)]                 |

NOTE:

M=4.56 ppm = MEAN U VALUE FOR ALL SEDIMENT SAMPLES COMBINED.

(σ) STANDARD DEVIATION = 3.25 ppm

ALL SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING.



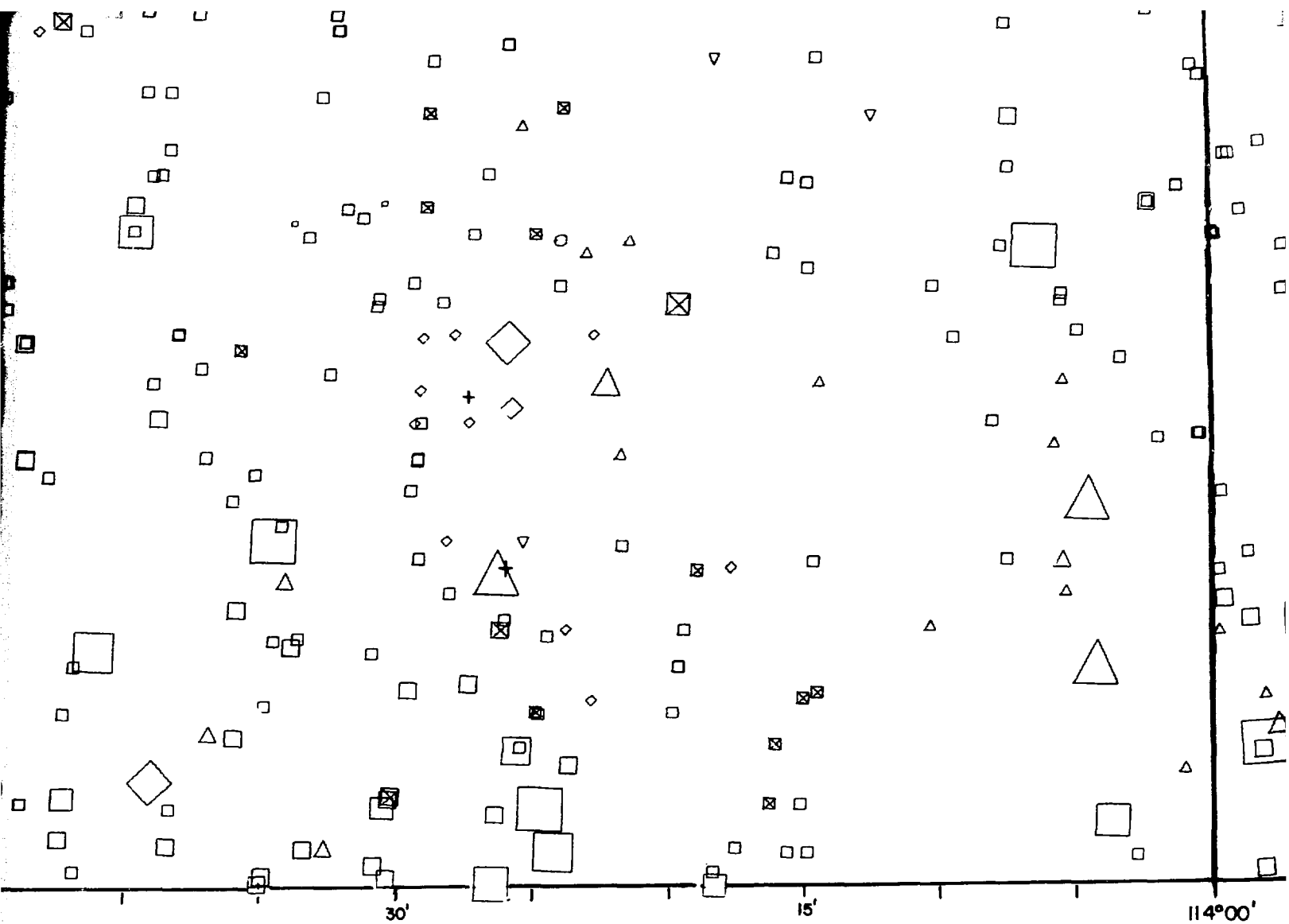
E FOR  
SAMPLES

3.25 ppm

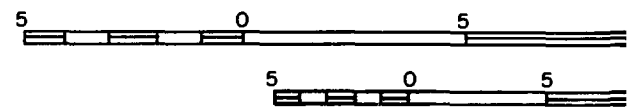
Y  
MG.

6

PLATE IV  
GRAPHIC PLOT OF URANIUM CONCENTRA  
FROM LINCOLN AND FLATHEAD COU  
(OVERLAY)

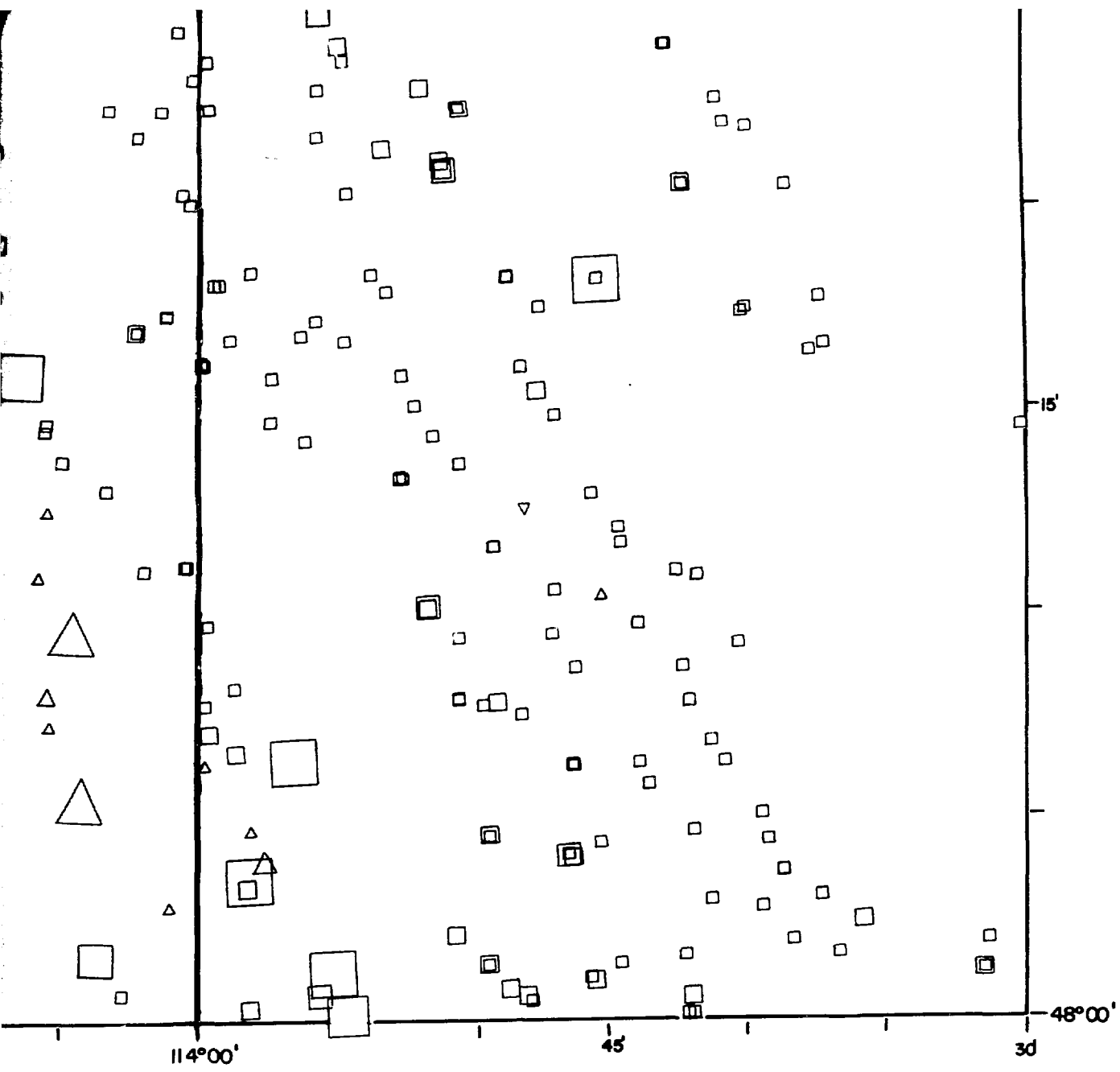


SC

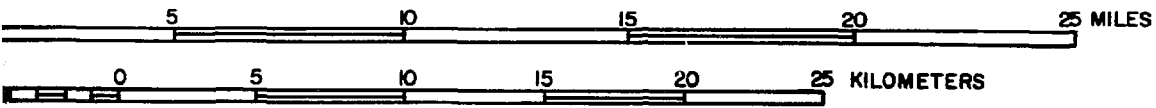


7

IV  
 CONCENTRATIONS IN SEDIMENT SAMPLES  
 COUNTIES, NORTHWEST MONTANA  
 (LAY)



SCALE 1: 250 000



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