

**RED RIVER
GROUNDWATER
CONSERVATION
DISTRICT**

BOARD MEETING

**BOARD ROOM
GREATER TEXOMA UTILITY AUTHORITY
5100 AIRPORT DRIVE
DENISON, TEXAS 75020**

**THURSDAY
APRIL 18, 2013**

AGENDA

AGENDA
RED RIVER GROUNDWATER CONSERVATION DISTRICT
BOARD OF DIRECTORS MEETING
GREATER TEXOMA UTILITY AUTHORITY BOARD ROOM
5100 AIRPORT DRIVE
DENISON, TEXAS 75020
THURSDAY, APRIL 18, 2013

Notice is hereby given that a meeting of the Board of Directors of the Red River Groundwater Conservation District will be held on the 18th day of April, 2013 at 12:30 pm or as upon adjournment of the public hearing, whichever is later in the Greater Texoma Utility Authority Board Room, 5100 Airport Drive, Denison TX, 75020, at which time the following items may be discussed, considered, and acted upon, including the expenditure of funds:

Agenda:

1. Call to order, declare meeting open to the public, and take roll.
2. Public Comment
3. Consider approval of Minutes of February 14, 2013, Board Meeting
4. Review and approval of monthly invoices.
5. Receive monthly financial information
6. Consider and act upon water loss data collection
7. Consider and act upon a resolution establishing a meter re-sealing fee for wells
8. Consider and act upon request for exceptions to District's metering requirements in Section 8.1(d) of the Temporary Rules
9. Consider defining test holes
10. Consider and act upon updated USTI Customer Support Agreement
11. Receive Management Plan Quarterly Report Regarding Assessment of Drought in District
12. General Manager's report: The General Manager will update the Board on operational, educational and other activities of the District
13. Open forum / discussion of new business for future meeting agendas
14. Adjourn

¹The Board may vote and/or act upon each of the items listed in this agenda.

²At any time during the meeting or work session and in compliance with the Texas Open Meetings Act, Chapter 551, Government Code, Vernon's Texas Codes, Annotated, the Red River Groundwater Conservation District Board may meet in executive session on any of the above agenda items or other lawful items for consultation concerning attorney-client matters (§551.071); deliberation regarding real property (§551.072); deliberation regarding prospective gifts (§551.073); personnel matters (§551.074); and deliberation regarding security devices (§551.076). Any subject discussed in executive session may be subject to action during an open meeting.

³Persons with disabilities who plan to attend this meeting, and who may need assistance, are requested to contact Carmen Catterson at (800) 256-0935 two (2) working days prior to the meeting, so that appropriate arrangements can be made.

ATTACHMENT 3

**MINUTES OF THE BOARD MEETING
RED RIVER GROUNDWATER CONSERVATION DISTRICT**

THURSDAY, FEBRUARY 14, 2013

**AT THE GREATER TEXOMA UTILITY AUTHORITY
BOARD ROOM
5100 AIRPORT DRIVE
DENISON, TX 75020**

Members Present: George “Butch” Henderson, George Olson, Don Wortham, David Gattis, Harold Latham, Don Morrison, Mark Patterson

Members Absent: None

Staff: Jerry Chapman, Carolyn Bennett, and Carmen Catterson

Visitors: Jonathan Cannon, Herald Democrat
Joey Rickman, City of Honey Grove

1. Call to order, declare meeting open to the public, and take roll.

President Henderson called the meeting to order at 2:01 PM. All members were present.

2. Public Comment.

No comments received.

3. Consider approval of Minutes of December 12, 2012, public hearing and board meeting

Board Member Morrison motioned to approve the Minutes of the December 12, 2012 public hearing and board meeting. The motion was seconded by Vice President Olson and passed unanimously.

4. Review and approval of monthly invoices.

President Henderson reviewed the invoices provided for payment. The Lloyd Gosselink Firm invoices for November and December were primarily for modifying the Temporary Rules.

Board Member Patterson motioned to approve the monthly invoices for a total of \$33,630.27. The motion was seconded by Vice President Olson and passed unanimously.

5. Receive Monthly Financial Information

Mr. Chapman clarified that the overage in the 2012 budget for accounting was due to the purchase and conversion to the ASYST accounting program. The overage in the contract services line item was expected and due to contracting for additional well registration website and hydrogeological services.

Currently, the \$0.06 per 1,000 gallons of production is sufficient to meet the District's expenses. The transition from the previous billing mechanism to quarterly billing for production should be seamless and not disrupt any District activities. The Board agreed to meet on the third Thursday every other month.

The staff requested direction regarding invoices that are submitted and need payment on a more frequent basis than 60-days. President Henderson recommended paying budgeted expenses as they are received and then approve them at the next meeting. Unexpected bills would still need to be approved by the Board. Board Member Morrison recommended staff emailing the invoices to the Board for review and payment approval. President Henderson recommended emailing it to the president and vice president for payment approval, followed by approval at the next Board meeting.

Board Member Morrison motioned to hold meetings every other month on the third Thursday at 2:00 PM. The motion was seconded by Board Member Gattis and passed unanimously.

6. Consider and discuss frequency of meetings and payment of legal invoices

In the past the Board has stated that they did not feel it was necessary to meet unless necessary, with which the staff agrees. The State statute requires that the Board meet at least quarterly. The Board has the option of meeting monthly, every other month or quarterly. President Henderson recommended meeting every other month with the next meeting being in April. This would enable the Board to not fall behind in activities.

7. Consider and act upon a resolution establishing a meter re-sealing fee for wells

The Board approved sealing meters to maintain the integrity of the meter readings in their Temporary Rules revision in December 2012. The initial seal will be installed by the District at no charge to the well owner. However, the Board could adopt a fee to install a replacement meter in the event a meter has been relocated or replaced. This is particularly common with energy wells where they move meters between wells on a regular basis. Board Member Patterson recommended providing a seal at no cost to the well owner one every two years, since meters do need to be replaced on a regular basis. Public water suppliers do not regularly move meters, but do have to change them to address mechanical failure.

The Board discussed what circumstances should be charged and what should be exempt. Meter repair and maintenance should not be charged, but meter relocation should incur a charge. Board Member Gattis asked how the suggested fee of \$250 was determined. Mr. Chapman responded that the staff calculated that the sealing each meter could take several hours, plus travel time and mileage would cost approximately \$250 to the District. The staff agreed to redraft a new resolution with the changes discussed by the Board and to bring it back to the next meeting.

This item was tabled until the next meeting.

8. Receive update on District well registration website project

The staff updated the Board on the status of the contract with Alan Plummer Associates, Inc., which is now complete and Phase 2 contract with IT Nexus. The staff has no complaints and the contractors have been very responsive.

9. Receive Management Plan Quarterly Report Regarding Assessment of Drought in District

This was discussed under Item 10.

10. Receive 2012 Annual Report

Ms. Bennett reviewed the Annual Report with the Board. The District's Management Plan requires the report be provided at the first meeting of the year. The current drought and precipitation report indicates that the coming months and possibly next year will remain in drought status. The District has currently met all of the goals outlined in the Management Plan. Ms. Bennett reviewed each goal and the activities taken to meet them. President Henderson expressed concern about the number of entities that do not report their water loss and whose information is not available. Mr. Chapman responded that a piece of legislation has been drafted to address water loss. Board Member Patterson stated that the list is missing several entities that he represents.

The Board requested the staff work with the public water systems registered with the District to have them report their water loss. Board Member Patterson requested that the percentage of water loss from the total water produced be added to the report so that it puts the information in context with the other water producers.

11. General Manager's Report

The field technician has been experiencing health issues, but seems to be healing. He is now working in the field again. His plan for inspections and sealing meters is to begin on the east side of Fannin County and work west. He is dividing his time between the two groundwater districts to keep his costs as similar as possible.

The staff is working to revise the well registration form to eliminate unnecessary information and to streamline the process. The goal of the District to receive the information needed, while making the process as painless as possible on all parties.

12. Open forum / discussion of new business for future meeting agendas

The next meeting will be held on Thursday, April 18, 2013 at 2:00 PM.

13. Adjourn

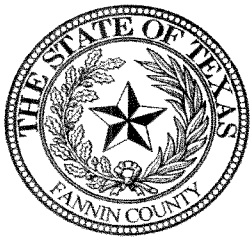
Board Member Gattis motioned to adjourn, seconded by Secretary/Treasurer Wortham and passed unanimously. The Board adjourned at approximately 2:49 PM.

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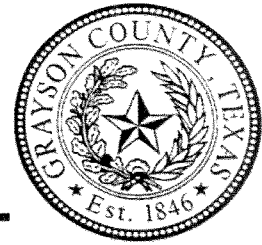
Recording Secretary

Secretary-Treasurer

ATTACHMENT 6



RED RIVER GROUNDWATER CONSERVATION DISTRICT AGENDA COMMUNICATION



DATE: MARCH 28, 2013

SUBJECT: AGENDA ITEM NO. 6

CONSIDER AND ACT UPON WATER LOSS DATA COLLECTION

ISSUE

Documenting and controlling water losses.

BACKGROUND

The Board requested the staff to collect water loss information from the Texas Water Development Board ("TWDB") to create a source for keeping up with water loss in the District. The TWDB staff was contacted, and copies of water loss audits requested for all of the water providers in the District. Only a limited number of entities complete the TWDB water loss audits. The audits are only due every five years, some entities complete them annually, but not many. This source did not prove to be helpful in provision of information for all entities.

Some water providers, for instance Southwest Fannin County SUD, already provide water loss information on a monthly basis. Information concerning water loss is included on Southwest Fannin County SUD's Systems Totals Report provided to the District. As the State of Texas proceeds forward with its water programs and future water demands, water conservation is likely to become a more important factor. Several proposals are being considered by the Texas Legislature during this session to strengthen water loss and water conservation measures. Encouraging the development of a system in place to record, recognize and address water loss will be beneficial to the water suppliers.

OPTIONS/ALTERNATIVES

Water loss information may also be obtained from the water providers. The Board initially requested that the staff pursue collecting from the TWDB and not creating additional tasks for staff members of the water providers. A monthly water loss report could be requested from water providers. By entering the data on a monthly basis, this will provide the information the District needs, and not be as burdensome for the water providers as collecting a year's worth of information at one time.

CONSIDERATIONS

TWDB only requires water loss audits every five years. Not every entity completes the audit.

STAFF RECOMMENDATIONS

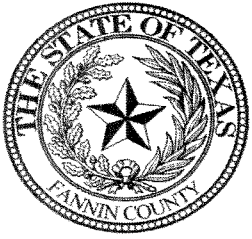
The staff suggests that a monthly water loss tab be added to the website for reporting water loss information. Each entity may enter the water loss information at the same time as reporting flushing and water usage.

PREPARED AND SUBMITTED BY:

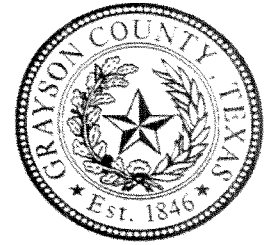
A handwritten signature in cursive script that reads "Carolyn Bennett".

Carolyn Bennett, Project Coordinator

ATTACHMENT 7



RED RIVER GROUNDWATER CONSERVATION DISTRICT AGENDA COMMUNICATION



DATE: MARCH 28, 2013

SUBJECT: AGENDA ITEM NO. 7

CONSIDER AND ACT UPON A RESOLUTION ESTABLISHING A REPLACEMENT SEAL FEE FOR WELLS

ISSUE

Establishing a fee for installing a replacement seal for wells

BACKGROUND

The Board has previously discussed the need for installing a seal on all non-exempt wells within the District in order to ensure the integrity of data being collected for water production purposes. At the February Board meeting, discussion took place regarding the appropriateness of establishing a fee to install a replacement seal in the event the seal has to be broken. Board members expressed varying points of view regarding this matter. The staff was instructed to prepare a substitute proposed resolution for the next meeting for the Board members to consider.

OPTIONS/ALTERNATIVES

The Board has the option to refrain from charging any fee for installing a replacement seal on meters. This would place the cost of inspecting and installing the replacement seal on the overall costs of the District's activities. A second option would be for the Board to establish a fee to help cover the costs of installing a replacement seal on meters for all requests. A third option would be to establish a fee for installing a replacement seal for only the meters that were moved at the request of the owner for reasons other than meter or pump failure.

CONSIDERATIONS

The primary consideration previously expressed by Board members is that the cost of the replacement seal should be on the individual well owner, rather than the entire system. Another consideration is that some Board members expressed that the fee should be kept to a minimum since revenues are being received by the water producers to fund the District's activities.

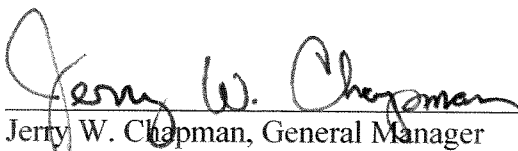
STAFF RECOMMENDATIONS

Based upon the instructions provided at the February meeting, the staff prepared a revised resolution for the Board to consider.

ATTACHMENTS

Resolution

PREPARED AND SUBMITTED BY:



Jerry W. Chapman, General Manager

RESOLUTION NO. 2013-04-18-02

A RESOLUTION BY THE BOARD OF DIRECTORS OF THE RED RIVER GROUNDWATER CONSERVATION DISTRICT ESTABLISHING A REPLACEMENT SEAL FEE

WHEREAS, the Red River Groundwater Conservation District ("District") has determined a need to register all new and existing wells within the District's boundaries in Fannin and Grayson Counties; and

WHEREAS, the District has determined that a seal should be installed on each meter in order to insure the integrity of the groundwater production information; and

WHEREAS, the Board amended the Temporary Rules on December 12, 2012 to include a provision for the District to install seals on each well meter; and

WHEREAS, the Board agreed the initial seal installed on the meter will be provided at no cost to the well owner, but all future seals would be charged a meter re-sealing fee; and

WHEREAS, the Temporary Rules amended on December 12, 2012 includes a provision to establish a well meter seal replacement fee by resolution; and

WHEREAS, the Board has determined that no fee will be charged for replacing a seal where it is the result of pump or meter failure; and

WHEREAS, the Board has determined that District personnel will be required to spend between two (2) to four (4) hours installing each replacement seal; and

WHEREAS, the Board has determined that a \$___ Well Meter Replacement Seal Fee should be charged when a well owner requests the District to install a replacement seal as a result of voluntary activities that result in the meter seal be broken;

NOW, THEREFORE BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE RED RIVER GROUNDWATER CONSERVATION DISTRICT that the Well Meter Replacement Seal Fee in the amount of \$___ becomes effective immediately.

Upon motion by _____ seconded by _____, the foregoing Resolution was passed and approved on this 18th day of April, 2013 by the following vote:

AYE:

NAY:

ABSTAIN:

At a meeting of the Board of Directors of the Red River Groundwater Conservation District.

President

ATTEST:

Secretary-Treasurer

MEMO

To: Jerry Chapman, General Manager

From: Wayne Parkman, Field Technician

Date: March 27, 2013

Re: Replacement seals for meters

The District now requires seals to be placed on meters to ensure that well meters stay on the same well at all times. There are going to be times that the meter must be removed, or the owner wants to remove the meter. I think it would be in the District's best interest to require a fee for any replacement seals that are not due to mechanical failure.

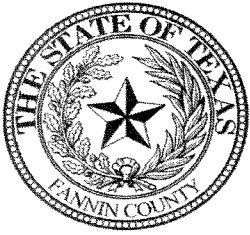
Mechanical failure would be if a meter must be removed from a well due to it the falling outside of AWWA standards, or if the well must be pulled for maintenance. Should a meter be removed for any other reason besides plugging, the well it would be subject to a fee.

I feel that a \$100.00 fee would be a fair amount to charge for the replacement of such seals. This fee will also discourage well owners from abusing the right to move well meters. The cost would be to cover the District's cost for fuel, labor, and equipment. This fee will be at the Boards discretion of the amount they think it should be.

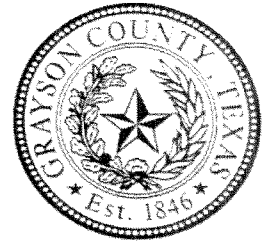
I would like to request you to take this matter before the Board to get their direction on the fee. This will also get the process started to get this fee placed into the District's Rules.

Wayne Parkman
Field Technician
Red River Groundwater Conservation District

ATTACHMENT 8



RED RIVER GROUNDWATER CONSERVATION DISTRICT AGENDA COMMUNICATION



DATE: MARCH 28, 2013

SUBJECT: AGENDA ITEM NO. 8

CONSIDER AND ACT UPON REQUEST FOR EXCEPTIONS TO METERING REQUIREMENTS IN SECTION 8.1(D) OF THE TEMPORARY RULES

ISSUE

Request for exceptions to metering requirements in Section 8.1(d) of the Temporary Rules by the City of Sherman

BACKGROUND

The District adopted Temporary Rules in 2011 and amended them on December 12, 2012. The District engaged the services of legal counsel to consider and adopt the original Temporary Rules, knowing that amendments would need to be made in those Rules going forward. To date two amendments have been made to the Temporary Rules and there is a recognition by the Board and staff that the Rules are not perfect. The City of Sherman brought to the attention of the District a matter relating to the type of meter specified in the Temporary Rules that may need modification in the future. The existing Rules provide in Section 8.1 (c) that a mechanically driven totalizing water meter is the only type of water meter that may be installed, unless another type of reliable meter is approved by the Board.

OPTIONS/ALTERNATIVES

The District has the option to remain inflexible on the types of meters approved, or they may choose to allow for alternative types of meters. The Board may wish to consider when the Rules were adopted, the Rules did not take into account the rapidly changing technology in meters. Meter manufacturers are rapidly moving toward digital meter systems, which should be considered by the District at the next review of the Temporary Rules.

CONSIDERATIONS

The City of Sherman is a large and responsible user and is desirous of changing its meters to reflect current technology and to provide for a more accurate recording of the water produced and sold throughout its system. The City has submitted a letter of request seeking approval to install electromagnetic flow meters in lieu of the mechanically driven type described in the Temporary Rules. The City also acknowledges that the electromagnetic flow meters have internal registers that are not changeable, which would ensure the integrity of the meter readings being provided by the producer.

The City of Sherman also states that it has certain wellhead configurations that may require installation of a meter in excess of 25 feet.

STAFF RECOMMENDATIONS

The staff recommends the Board approve the City of Sherman's requests and to consider revising Section 8.1 of the Temporary Rules to update the requirements and to recognize digital technology. When it is impractical to install a meter within 25 feet of the wellhead, the City should be given latitude to install a meter as close as possible to the wellhead.

ATTACHMENTS

Letter of request from the City of Sherman

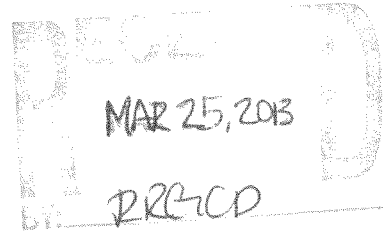
PREPARED AND SUBMITTED BY:

Jerry W. Chapman, General Manager



March 22, 2013

Mr. Butch Henderson, President
Board of Directors
Red River Groundwater Conservation District
P.O. Box 1214
Sherman TX 75091



Re: Temporary Rules – Section 8. Metering

Dear President Henderson,

The City of Sherman is in the process of installing Electromagnetic Flow meters on all wells and ground water points of entry in our system. According to Section 8.1(c) of the Temporary Rules adopted by the Red River Groundwater Conservation District, only mechanically driven totalizing water meters may be installed on a registered well, unless an approval for another type of reliable meter or alternative measuring method is applied for and granted by the District.

Please consider this letter as the City of Sherman's application to request authorization to install Electronic Flow meters in lieu of mechanically driven totalizing water meters currently required by the District Temporary Rules. In addition, the City would like to request an exception that these meters be allowed to have external totalizers, which can be re-programmed. The meters will have internal registers that are not changeable.

In some circumstances, it may be necessary to install the metering device more than twenty-five feet from the wellhead, as required in Section 8.1(d) of the District's Temporary Rules. The City of Sherman has some installations where this is not practical, and would appreciate the District's willingness to acknowledge and approve these installations on a case by case basis, where the meter cannot be installed within twenty-five feet of the wellhead.

I will be willing to appear before the District at its next board meeting to discuss these matters, if you will notify me of the time and date of the meeting.

Sincerely,

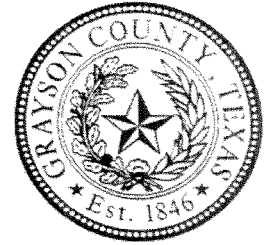
A handwritten signature in black ink, which appears to read 'DeWayne Sutherland'. The signature is written in a cursive style and is positioned to the right of the word 'Sincerely,'.

DeWayne Sutherland
Water System Superintendent
DS:cb

ATTACHMENT 9



RED RIVER GROUNDWATER CONSERVATION DISTRICT AGENDA COMMUNICATION



DATE: MARCH 28, 2013

SUBJECT: AGENDA ITEM NO. 9

CONSIDER DEFINING TEST HOLES

ISSUE

Defining test holes

BACKGROUND

The past several months there have been several questions and concerns exhibited by drilling companies operating within the District's boundaries regarding the necessity of registering test holes. Drilling companies have been questioning and in some cases complaining about registering test holes before completing the well.

OPTIONS/ALTERNATIVES

Section 36 of the Texas Water Code does permit the Districts to require the registration of test holes. However, there are advantages of knowing about test holes, but not requiring the registration of those holes and payment of a fee therewith.

CONSIDERATIONS

The Board could consider receiving information on the test holes, but not requiring a registration with the fees attached.

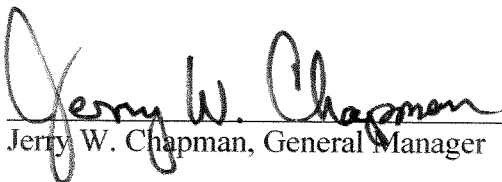
STAFF RECOMMENDATIONS

The staff has outlined their recommendations in a memo dated February 13th, which the Board is asked to consider.

ATTACHMENTS

February 13, 2013 memo

PREPARED AND SUBMITTED BY:



Jerry W. Chapman, General Manager

MEMO

To: Jerry Chapman, General Manager

From: Alan Moore, Operations Supervisor,
Wayne Parkman, Field Technician

Date: February 13, 2013

Re: Test Holes

In the past several months a drilling company has questioned the staff about test holes, and the need to register them. At the time the drilling company was informed our understanding was that any hole that penetrates an aquifer must be registered. After some research it was found that neither Chapter 36 Texas Water Code nor our Rules state anything about test holes.

Chapter 36 Texas Water § 36.111 Records and Reports. (a) The District may require that records be kept and reports be made of drilling, equipping, and completing of water wells and of the production and use of groundwater.

(b) In implementing Subsection (a), a district may adopt rules that require an owner or operator of a water well that is required to be registered with or permitted by the district, except for the owner or operator of a well that is exempt from permit requirements under Section 36.117 (b) (1), to report groundwater withdrawals using reasonable and appropriate reporting methods and frequency.

Since test holes are not considered wells or for the production of groundwater this matter needs to be addressed by the Board. The problem I am hearing from the drillers is that they don't feel that it is fair for them to pay for and register a hole that's sole purpose is to establish if water exists at the depth a customer wants. It is in the Districts best interest to keep track of any hole drilled into an aquifer. It seems the District would receive more voluntary information if there were no fee placed on test holes, because at this time the registration and usage fee are maintaining the District. It would be useful to the District to know the location of test holes, if water is present, and the quality of any water found for future use. If it is not going to be used for water production, then we need to establish a method of assurance the closure of these test holes prevents the aquifer from being contaminated.

We feel we need the guidance of the board on this subject. Does the District consider any hole drilled a well, or do we need to address this as an amendment to the Rules? Please bring this matter to the board's attention for me, I would greatly appreciate it.

Alan Moore 
Operations Supervisor
Red River Groundwater Conservation District

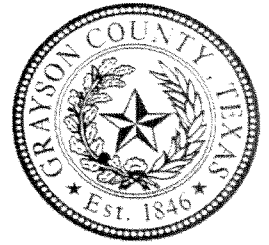
Wayne Parkman
Field Technician
Red River Groundwater Conservation District



ATTACHMENT 10



RED RIVER GROUNDWATER CONSERVATION DISTRICT AGENDA COMMUNICATION



DATE: MARCH 28, 2013

SUBJECT: AGENDA ITEM NO. 10

CONSIDER AND ACT UPON UPDATED USTI CUSTOMER SUPPORT AGREEMENT

ISSUE

Updated agreement for USTI Customer Support Agreement

BACKGROUND

In 2012, the District entered into an agreement to purchase the ASYST accounting program from USTI. This is a system used frequently by public water suppliers and had been recommended by the City of Anna as an economical and functional system. The system has a maintenance requirement, as most software does. The company ordinarily updates their agreements on an automatic basis. The District chose to reject this automatic method of updating the agreement and requested an updated contract for the Board's approval. This contract extends from January 2013 until January 2014. The agreement is for \$1,285 and includes an approximate 4% increase from the 2012 contract.

OPTIONS/ALTERNATIVES

Any accounting system will require support. If the District determines it is satisfied with the existing system, then the support agreement with USTI will be required to operate the system.

CONSIDERATIONS

While there were some minor operational problems getting the system implemented, it is now functioning as predicted and the District activities are being recorded by the ASYST system without any major difficulties.

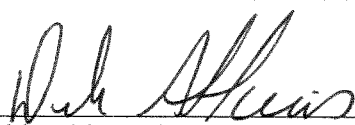
STAFF RECOMMENDATIONS

The 4% increase being requested appears to be reasonable and the staff recommends the Board consider authorizing the agreement for January 2013 to January 2014.

ATTACHMENTS

Updated USTI Customer Support Agreement

PREPARED AND SUBMITTED BY:



Debi Atkins, Finance Officer

**USTI CUSTOMER SUPPORT AGREEMENT
(USMCS1.9511)**

This Customer Support Agreement is made by and between United Systems Technology, Inc., with principal offices at 1430 Valwood Parkway, Suite 130, Carrollton, Texas 75006, hereinafter referred to as "USTI" (an Iowa corporation), and **Red River Groundwater Conservation District, 5100 Airport Drive, Denison, TX 75020** hereinafter referred to as "CUSTOMER."

CUSTOMER hereby orders and USTI hereby agrees to provide Customer Support for the number of copies of the USTI Software Products listed in **Addendums** to this Agreement, hereafter referred to as "SOFTWARE," for the Support Fees and Commencement Dates as listed in **Addendum A**.

1. **CUSTOMER SUPPORT.** USTI Customer Support, hereinafter referred to as "SUPPORT" is made up of three distinct services as defined below:

- HELPLINE is a toll free telephone service provided to users of SOFTWARE to (a) clarify operating instructions contained in the user documentation delivered with the SOFTWARE, and (b) to assist in the identification of solutions to operating problems being experienced by the CUSTOMER in the use of SOFTWARE. Said HELPLINE service is provided during USTI's normal working hours, through a dedicated staff of HELPLINE support representatives, and ONLY by telephone.
- MAINTENANCE is a service provided to users of SOFTWARE to record, research, and correct verified program errors or defects arising in SOFTWARE. MAINTENANCE is provided on USTI's schedule, during USTI's normal working hours, and ONLY at USTI's normal business location(s). MAINTENANCE is limited to communicating defects to SOFTWARE authors for any SOFTWARE not developed by USTI.
- ENHANCEMENT is a service provided to users of SOFTWARE to improve the SOFTWARE. ENHANCEMENT is provided at USTI's option, on USTI's schedule, during USTI's normal working hours and ONLY at USTI's normal business location(s).

USTI expressly excludes the following services from the services to be provided under this Customer Support Agreement: a) hardware and operating system support, b) operator training, c) on-site services of any kind, d) training classes, e) modifications and/or customizations other than those included in ENHANCEMENTS delivered periodically by USTI, f) Customer Support on any software other than the SOFTWARE identified herein, g) express delivery services, and h) modem telecommunications charges.

Any USTI services provided beyond HELPLINE, MAINTENANCE and ENHANCEMENT, as herein defined, will be furnished only by separate agreement with USTI, and at USTI's normal billing rate and terms then in effect.

2. **TERM AND TERMINATION.** This agreement will remain in force for the Support Term identified above and will then be automatically extended for annual Support Terms upon payment by the CUSTOMER of the Customer Support Fee at the then current rates. Either the CUSTOMER or USTI can terminate this Agreement at the end of any Support Term, USTI by providing written notice, and the CUSTOMER by returning the invoice without payment.

3. **LIMITED WARRANTY.** USTI warrants that it will use its best efforts to provide Customer Support, but does not guarantee service results or warrant that all questions and problems will be either answered or resolved, that all defects will be corrected, or that SOFTWARE enhancements will meet CUSTOMER's expectations.

4. **CUSTOMER REMEDIES.** USTI's entire liability and your exclusive remedy shall be at USTI's option to refund the actual Support Fee paid by the CUSTOMER for any unexpired months of the Support Term.

5. **NO OTHER WARRANTIES.** To the maximum extent permitted by applicable law, USTI disclaims all other warranties, either express or implied, including but not limited to implied warranties of merchantability and fitness for a particular purpose. This limited warranty gives you specific legal rights. You may have others, which vary from state/jurisdiction to state/jurisdiction.

6. **NO LIABILITY FOR CONSEQUENTIAL DAMAGES.** To the maximum extent permitted by applicable law, in no event shall USTI or its suppliers be liable for any damages whatsoever (including, without limitation, damages for loss of business profits, business interruption, loss of business information, or other pecuniary loss) arising out of the use or inability to use this SOFTWARE, even if USTI has been advised of the possibility of such damages. Because some states/jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damages, the above limitation may not apply to you.

7. **JURISDICTION.** It is mutually understood and agreed that this contract shall be governed by the laws of the State of Texas, both as to interpretation and performance.

8. **SEVERABILITY.** It is understood and agreed by the parties hereto that if any part, term, or provision of this Agreement is by the courts held to be illegal or in conflict with any law of the state where made, the validity of the remaining portions or provisions shall not be affected and the rights and obligations of the parties shall be construed and enforced as if the Agreement did not contain the particular part, term, or provision that is held to be invalid.

THE CUSTOMER ACKNOWLEDGES THAT HE/SHE HAS READ THIS AGREEMENT, THE TERMS AND CONDITIONS OF WHICH ARE SET FORTH HEREIN, UNDERSTANDS IT AND AGREES TO BE BOUND BY ITS TERMS AND CONDITIONS. FURTHER, THE CUSTOMER AGREES THAT IT IS THE COMPLETE AND EXCLUSIVE STATEMENT OF THE AGREEMENT BETWEEN THE PARTIES WHICH SUPERSEDES ALL PROPOSALS OR PRIOR AGREEMENTS, ORAL OR WRITTEN AND ALL OTHER COMMUNICATIONS BETWEEN THE PARTIES RELATING TO THE SUBJECT MATTER OF THIS AGREEMENT. **THIS AGREEMENT IS VOID IF THE EXECUTED COPY AND AMOUNTS DUE ARE NOT RECEIVED BY USTI BY April 20, 2013**

ACCEPTED BY:

United Systems Technology, Inc.

Authorized
Signature _____

Name Randall L. McGee

Title Chief Financial Officer +

Date _____

ACCEPTED BY:

Red River Groundwater Conservation District

Authorized
Signature _____

Name _____

Title _____

Date _____

Addendum A To
USTI CUSTOMER SUPPORT AGREEMENT
(USMCS1.9511)

This Addendum to USTI Customer Support Agreement (USMSL1.9511) is made by and between **United Systems Technology, Inc.** with principal offices 1430 Valwood Parkway, Suite 130, Carrollton, Texas 75006, hereinafter referred to as "USTI" (an Iowa Corporation) and **Red River Groundwater Conservation District, 5100 Airport Drive, Denison, TX 75020** hereinafter referred to as "CUSTOMER."

CUSTOMER hereby orders and USTI Hereby agrees to provide Customer Support, as defined in the USTI Customer Support Agreement (USMCS1.9511), for the following USTI Software Products, at the listed Support Fees. Customer Support will begin on the Support Commencement Date listed below and remain in force for a period of 12 months:

<u>Software Product</u>	<u># Copies</u>	<u>Support Fee</u>	<u>Commencement Date</u>
asyst Administrator	Unlimited	\$ 100.00	March 1, 2013
asyst Accounts Payable	1	\$ 110.00	March 1, 2013
asyst General Ledger	1	\$ 110.00	March 1, 2013
asyst Budget XLence	1	\$ 60.00	March 1, 2013
asyst ePay for PayPal	Unlimited	\$ 125.00	March 1, 2013
asyst Meter Management	5	\$ 205.00	March 1, 2013
asyst Utility Billing	5	\$ 510.00	March 1, 2013
asyst UB to Arcview Interface	1	\$ 65.00	March 1, 2013
Total Customer Support Fees		\$ 1,285.00	

LICENSEE ACKNOWLEDGES THAT HE/SHE HAS READ THIS ADDENDUM AND RELATED LICENSE AGREEMENT, INCLUDING ALL TERMS AND CONDITIONS AND AMENDMENTS OR ADDENDA, UNDERSTANDS IT AND AGREES TO BE BOUND BY THIS AGREEMENT. THE LICENSEE FURTHER AGREES THAT IT IS THE COMPLETE AND EXCLUSIVE STATEMENT OF THE AGREEMENT BETWEEN THE PARTIES AND SUPERSEDES ALL PROPOSALS OR PRIOR AGREEMENTS, ORAL OR WRITTEN, AND ALL OTHER COMMUNICATIONS BETWEEN THE PARTIES RELATING TO THE SUBJECT MATTER OF THIS AGREEMENT. . **THIS AGREEMENT IS VOID IF THE EXECUTED COPY AND AMOUNTS DUE ARE NOT RECEIVED BY USTI BY April 20, 2013**

ACCEPTED BY:

United Systems Technology, Inc.

Authorized
Signature _____

Name Randall L. McGee

Title Chief Financial Officer

Date _____

ACCEPTED BY:

Red River Groundwater Conservation District

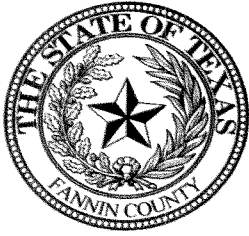
Authorized
Signature _____

Name _____

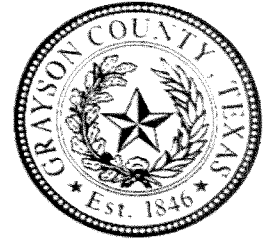
Title _____

Date _____

ATTACHMENT 11



RED RIVER
GROUNDWATER CONSERVATION DISTRICT
FANNIN COUNTY AND GRAYSON COUNTY



General Manager's Quarterly Report
March 2013

Management Plan
Assessment of the Status of Drought in the District

The following is a quarterly report on the existing drought conditions:

As of March 31, 2013 the Texas Water Development Board Drought Information Summary reflected the North Central Texas Area to be slightly dry or favorably moist in crop moisture index, in a moderate drought according to the Palmer Drought Severity Index, precipitation near normal, above average risk for fire according to the Keetch-Byram Drought Index, Reservoir Storage Index near normal, and Stream Flow Index exceptionally low.

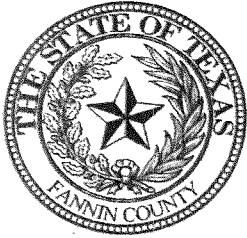
The North-Central Texas area remained in a moderate drought during this quarter. The U.S. Seasonal Drought Outlook provided by the National Weather Service still predicts the drought in this area of Texas will persist or intensify. According to the National Weather Service Forecast Office, Bonham received 4.03 inches of rain in January 2013, with normal being 2.69 inches and 1.92 in February, 3.60 normal. Sherman received 1.70 inches in January, with 2.47 inches being normal and 2.27 in February, with 2.94 being normal.

The National Weather Service Drought Information Statement is attached for your review. District staff will continue to update PDSI maps on the website monthly.

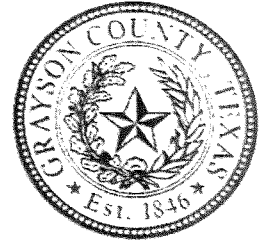
The Climate Prediction Center forecasts ENSO-neutral (El Nino Southern Oscillation-neutral) to be favored into the Northern Hemisphere summer. ENSO-neutral refers to periods when neither El Nino nor La Nina is present. During ENSO-neutral periods ocean temperatures, tropical rainfall patterns and atmospheric winds over the equatorial Pacific Ocean are near long-term average.

PO Box 1214
Sherman, TX 75090
(800) 256-0935 fax: (903) 786-8211

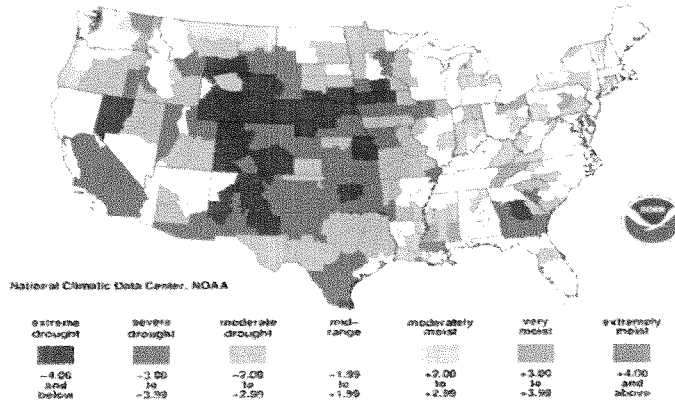
http://www.gtua.org/red_river_gcd.asp



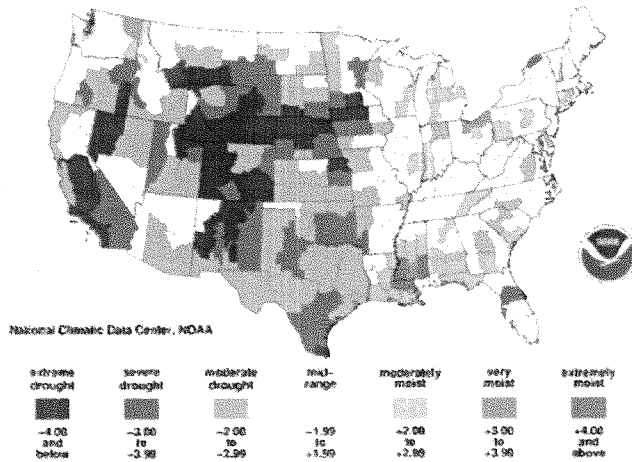
RED RIVER GROUNDWATER CONSERVATION DISTRICT FANNIN COUNTY AND GRAYSON COUNTY



Palmer Hydrological Drought Index
January, 2013

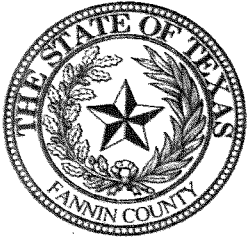


Palmer Hydrological Drought Index
February, 2013

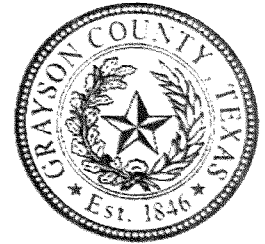


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Sherman, TX 75090
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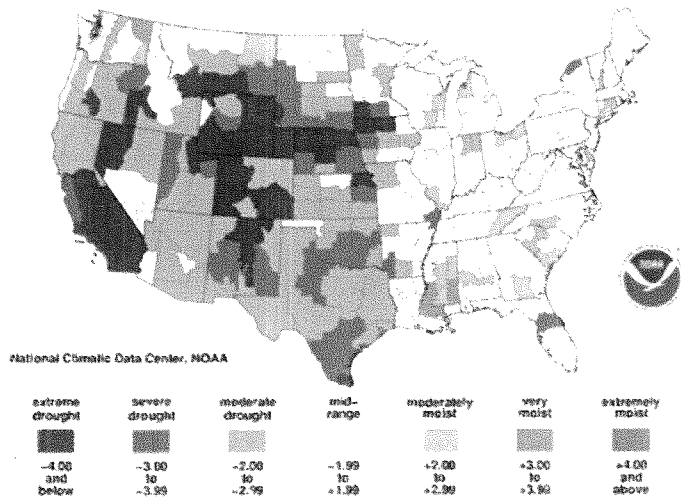
http://www.gtua.org/red_river_gcd.asp



RED RIVER GROUNDWATER CONSERVATION DISTRICT FANNIN COUNTY AND GRAYSON COUNTY



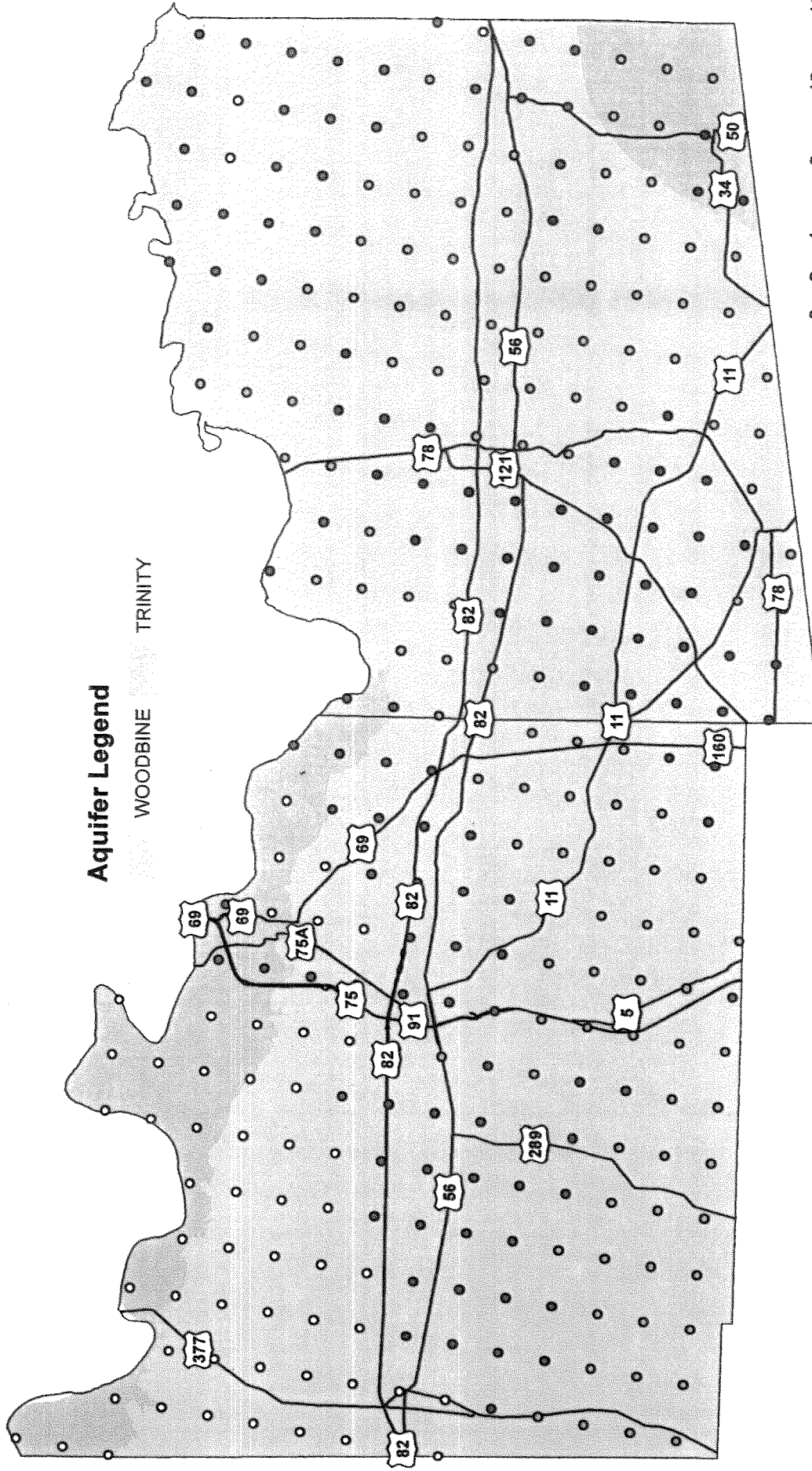
Palmer Hydrological Drought Index
March, 2013



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Sherman, TX 75090
(800) 256-0935 fax: (903) 786-8211

http://www.gtua.org/red_river_gcd.asp

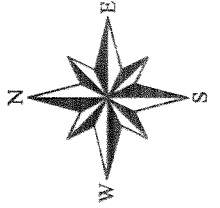
Rainfall Totals for January 2013



Aquifer Legend

WOODBINE TRINITY

Red River Groundwater Conservation District
 PO Box 1214
 Sherman, TX 75091-1214
 (800) 256-0935

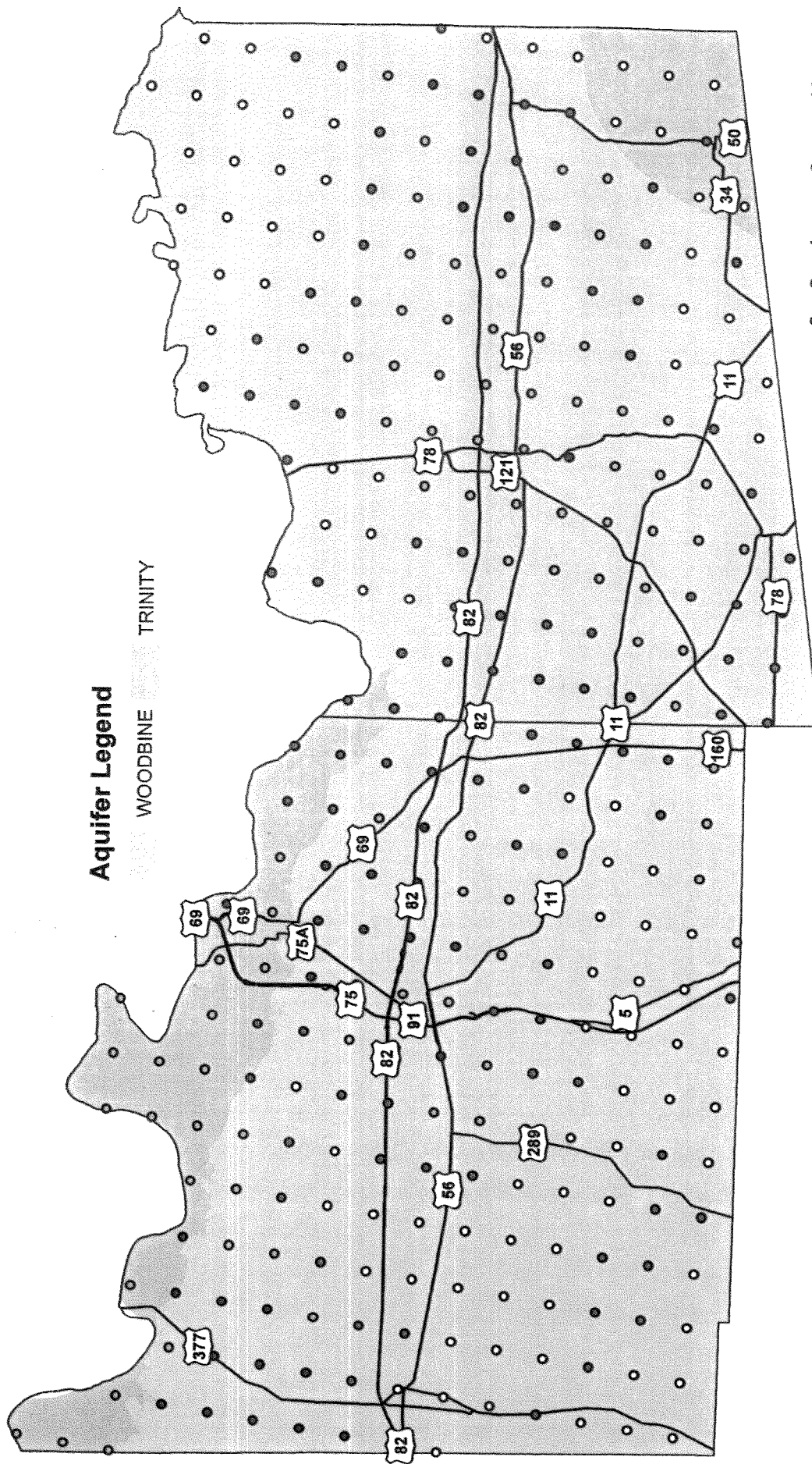


Data Source:
 National Weather Service
 Precipitation Analysis

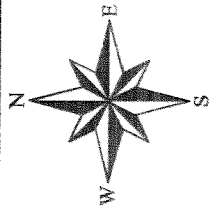
Rainfall in Inches

- 1.85 - 2.51
- 2.52 - 3.15
- 3.16 - 3.87
- 3.88 - 5.56

Rainfall Totals for February 2013



Red River Groundwater Conservation District
 PO Box 1214
 Sherman, TX 75091-1214
 (800) 256-0935

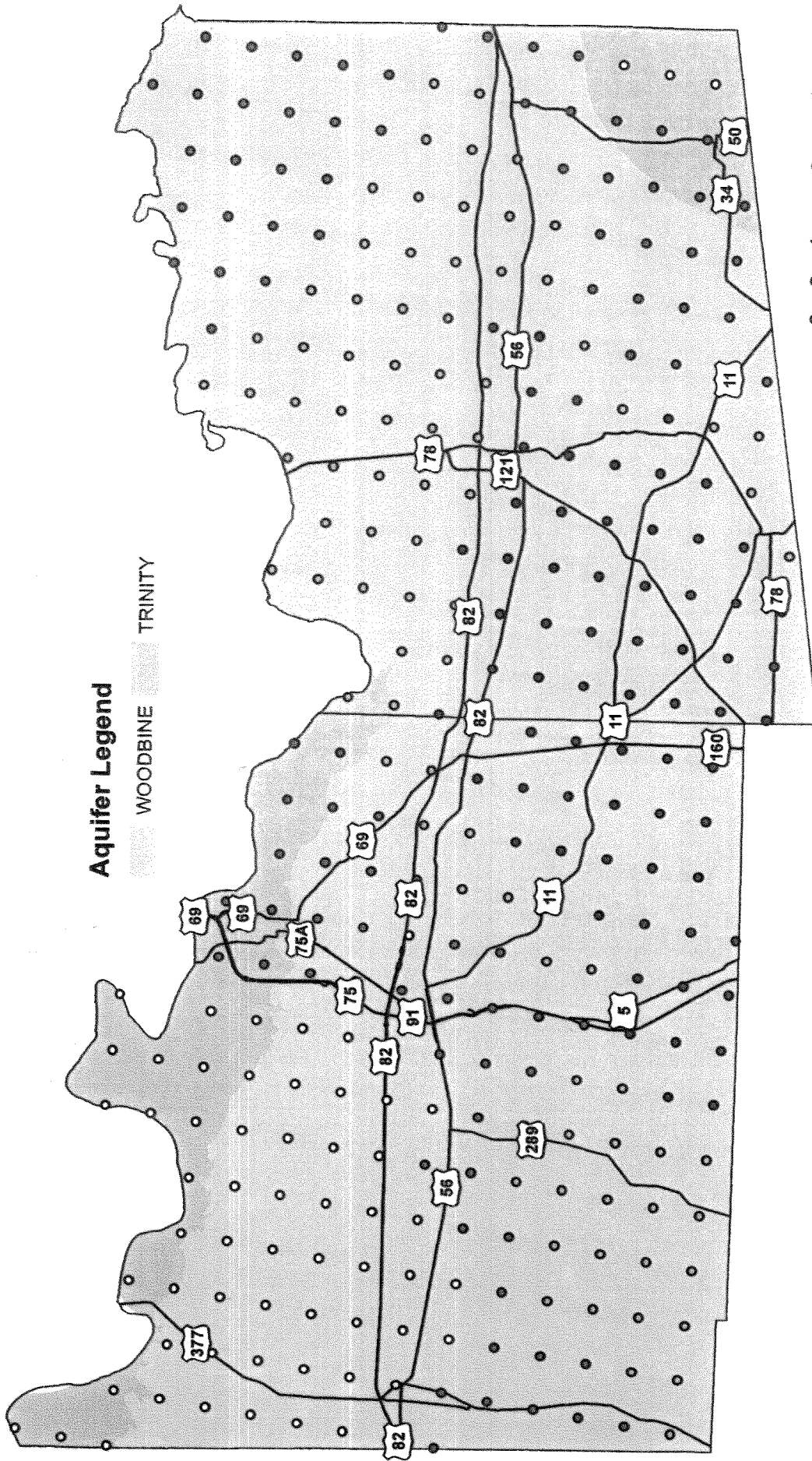


Data Source:
 National Weather Service
 Precipitation Analysis

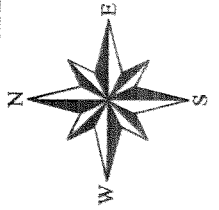
Rainfall in Inches

- 1.59 - 1.88
- 1.89 - 2.08
- 2.09 - 2.32
- 2.33 - 2.64

Rainfall Totals for March 2013



Wood River Groundwater Conservation District
 PO Box 1214
 Sherman, TX 75091-1214
 (800) 256-0935



Data Source:
 National Weather Service
 Precipitation Analysis

Rainfall in Inches

- 1.80 - 2.84
- 3.87 - 4.97
- 2.85 - 3.86
- 4.98 - 6.33

weather.gov

National Weather Service

Drought Information Statement

Local weather forecast by "City, St" or zip code City, St

[Current Version](#)

[Previous Version:](#) [01](#) [02](#)

[\[Printable\]](#)

463
AXUS74 KFWD 062200
DGTFWD
TXC001-027-035-085-093-097-099-113-119-121-133-139-143-145-147-161-
181-193-213-217-221-223-231-237-251-257-277-281-289-293-309-331-333-
337-349-363-367-379-395-397-425-429-439-467-497-503-060000-

DROUGHT INFORMATION STATEMENT
NATIONAL WEATHER SERVICE FORT WORTH TX
400 PM CST WED MAR 6 2013

...DRY OUTLOOK BAD NEWS FOR DROUGHT-PLAGUED REGION...

SYNOPSIS...

A FEW LOCATIONS SAW NEAR NORMAL PRECIPITATION DURING THE WINTER MONTHS (DECEMBER-FEBRUARY)...DUE IN LARGE PART TO THE ABUNDANT PRECIPITATION DURING THE MONTH OF JANUARY. HOWEVER...THE VAST MAJORITY OF NORTH AND CENTRAL TEXAS RECEIVED ONLY 50 TO 75 PERCENT OF NORMAL DURING THE 3-MONTH PERIOD.

ALTHOUGH PORTIONS OF EAST TEXAS ARE FREE FROM ANY DROUGHT DESIGNATION...SEVERE (D2) AND EXTREME DROUGHT (D3) ENCOMPASS MUCH OF NORTH AND CENTRAL TEXAS. EXCEPTIONAL DROUGHT (D4) COVERS PORTIONS OF WESTERN NORTH TEXAS...INCLUDING PARTS OF YOUNG COUNTY...WHERE PRECIPITATION TOTALS HAVE BEEN BELOW NORMAL FOR FIVE CONSECUTIVE MONTHS.

LAKE LEVELS HAVE GRADUALLY DIMINISHED SINCE THE HEAVY RAIN EVENT IN MID-JANUARY...BUT RESERVOIRS ACROSS NORTH AND CENTRAL TEXAS REMAIN AT HEALTHY LEVELS DESPITE THE PROLONGED DROUGHT. HOWEVER...WITH BELOW NORMAL PRECIPITATION EXPECTED THROUGHOUT THE SPRING AND SUMMER...HYDROLOGIC ISSUES ARE LIKELY TO BECOME A GREATER CONCERN.

SUMMARY OF IMPACTS...

AGRICULTURAL IMPACTS

MUCH OF THE TEXAS WINTER WHEAT CROP WAS IN POOR CONDITION AT THE BEGINNING OF MARCH...BUT THE TEXAS AGRILIFE EXTENSION SERVICE IS EXPECTING A GREAT WHEAT CROP IN NORTH CENTRAL AND NORTHEAST TEXAS...WHERE WINTER PRECIPITATION HAS BEEN SUFFICIENT. FOR THE REMAINDER OF THE STATE...MARCH AND APRIL RAINFALL COULD STILL HELP YIELDS.

DESPITE MILD TEMPERATURES...WINTER PASTURES WERE NOT VERY PRODUCTIVE DUE TO INSUFFICIENT PRECIPITATION. BUT WITH ADEQUATE HAY STORES... CATTLE ARE GENERALLY IN GOOD CONDITION ACROSS NORTH AND CENTRAL

TEXAS. SOME RANCHERS ARE USING OATS AND WINTER WHEAT FOR FORAGE. ABOVE NORMAL TEMPERATURES HAVE RESULTED IN AN EARLY FLOURISH OF BERMUDA GRASS...BUT THERE IS SOME CONCERN THAT THIS WARM SEASON FORAGE COULD BE DAMAGED BY A LATE FREEZE. STOCK PONDS REMAIN LOW.

SOIL MOISTURE IS STILL ONLY 50 TO 70 PERCENT OF NORMAL ACROSS NORTH AND CENTRAL TEXAS. FOR SOME AREAS...THIS IS A DEFICIT EQUIVALENT TO MORE THAN 5 INCHES OF WATER WITHIN 5 FEET OF THE SURFACE. THIS DEFICIT IS EVIDENT IN BOTH THE TOPSOIL...WHICH MUST BE SUFFICIENTLY MOIST FOR RUNOFF...AND AT GREATER DEPTHS...WHERE TREE ROOTS CONTINUE TO SUFFER FROM OVER TWO YEARS OF DROUGHT. DESPITE THE LIMITED MOISTURE...CENTRAL TEXAS FARMERS HAVE BEGUN PLANTING CORN... SORGHUM...AND SUNFLOWERS.

FOR THE SECOND CONSECUTIVE YEAR...THE LOWER COLORADO RIVER AUTHORITY WILL RESTRICT THE RELEASE OF WATER DOWNSTREAM FROM THE HIGHLAND LAKES (LAKE BUCHANAN TO THE CITY OF AUSTIN). THE DECISION IS BASED ON THE COMBINED LAKE STORAGE AT THE BEGINNING OF MARCH. RICE FARMERS WITHIN THE COASTAL AREAS OF THE COLORADO WATERSHED WILL BE LIMITED TO RAIN AND WELL WATER. THIS WILL RENDER 55,000 ACRES FALLOW...A LOSS OF MORE THAN 1/3 OF THE TEXAS RICE CROP. THE LONE STAR STATE ACCOUNTS FOR AROUND 5 PERCENT OF U.S. RICE PRODUCTION.

FIRE DANGER

AFTER A DRY FEBRUARY...THE ENERGY RELEASE COMPONENT (A METRIC OF FIRE POTENTIAL) HAS SURGED WELL ABOVE NORMAL. IN CENTRAL TEXAS...THE ERC IS EXTRAORDINARILY HIGH FOR THIS TIME OF YEAR. ALTHOUGH SOME WARM SEASON GRASSES HAVE ALREADY EMERGED...THERE WILL CONTINUE TO BE THE POTENTIAL FOR WILDFIRES ON DAYS WITH STRONG WINDS AND LOW HUMIDITY.

CLIMATE SUMMARY...

THERE WERE MULTIPLE PRECIPITATION EVENTS DURING FEBRUARY...BUT MONTHLY TOTALS WERE BELOW NORMAL AT NEARLY EVERY LOCATION. LONG TERM DEFICITS VARY CONSIDERABLY BUT EXCEED 10 INCHES IN MOST AREAS. MUCH OF THE REGION HAS SEEN LESS THAN 2/3 OF NORMAL PRECIPITATION SINCE EASTER 2012.

AIRPORT SITES	FEBRUARY		APR 2012 - FEB 2013		
	2013	DEPARTURE	TOTAL	DEPARTURE	PERCENT
DFW AIRPORT	1.68	-0.98	23.20	-9.45	71
WACO	2.10	-0.53	24.12	-7.42	76
DALLAS LOVE FIELD	1.86	-0.73	21.96	-12.12	64
FORT WORTH MEACHAM	1.57	-1.08	23.00	-9.61	71
DALLAS EXECUTIVE	1.28	-1.53	23.98	-12.95	65
FORT WORTH ALLIANCE	1.39	-1.25	20.25	-13.96	59
ARLINGTON	1.55	-1.13	22.49	-12.16	65
DENTON	2.02	-0.82	19.16	-15.65	55
MCKINNEY	1.61	-1.34	22.68	-13.85	62
TERRELL	1.73	-1.44	22.33	-14.87	60
CORSICANA	0.98	-2.40	23.89	-12.58	66
MINERAL WELLS	1.24	-0.90	20.17	-8.69	70

COOPERATIVE SITES	FEBRUARY	APR 2012 - FEB 2013
-------------------	----------	---------------------

	2013	DEPARTURE	TOTAL	DEPARTURE	PERCENT
ALVARADO	1.75	-0.96	20.29	-13.38	60
ALVORD	2.09	-0.54	14.50	-19.36	43
AQUILLA	1.31	-1.28	24.69	-7.79	76
ARLINGTON	2.03	-0.88	26.69	-9.37	74
ATHENS	1.31	-2.56	27.34	-11.56	70
BARDWELL	1.17	-1.79	28.54	-6.52	81
BENBROOK	1.41	-1.01	21.36	-10.81	66
BONHAM	1.92	-1.68	27.96	-13.80	67
BONITA	2.21	-0.05	21.96	-12.27	64
BOWIE	1.62	-0.82	20.78	-11.20	65
BRAZOS	1.64	-0.71	20.51	-8.77	70
BRECKENRIDGE	1.12	-0.77	17.86	-9.54	65
BRIDGEPORT	1.32	-1.06	20.65	-10.97	65
BURLESON	1.73	-0.91	19.30	-14.03	58
CENTERVILLE	1.73	-1.72	31.81	-6.66	83
CLEBURNE	1.21	-1.38	20.01	-13.96	59
COMMERCE	2.70	-0.60	30.55	-9.74	76
COOPER	2.80	-0.81	29.58	-10.85	73
CORSICANA	1.89	-1.50	31.14	-4.73	87
CRANFILLS GAP	1.11	-1.37	16.98	-13.68	55

COOPERATIVE SITES

	FEBRUARY		APR 2012 - FEB 2013		
	2013	DEPARTURE	TOTAL	DEPARTURE	PERCENT

CRAWFORD	1.39	-1.04	21.16	-10.86	66
CRESSON	1.40	-1.16	20.79	-10.87	66
DECATUR	2.16	-0.42	19.74	-16.31	55
DENTON	2.66	-0.15	19.19	-15.67	55
FERRIS	1.87	-1.12	24.37	-11.20	69
FORT WORTH NWS	1.72	-1.09	19.85	-14.42	58
FRISCO	1.62	-1.46	24.36	-13.12	65
GAINESVILLE	2.58	-0.12	27.75	-11.32	71
GOLDTHWAITE	0.97	-1.37	14.08	-13.96	50
GORDON	1.40	-0.86	22.27	-9.44	70
GRAHAM	0.69	-1.18	22.14	-6.52	77
GRAPEVINE	1.86	-0.93	25.25	-9.00	74
GREENVILLE	1.62	-1.82	26.92	-13.51	67
HAMILTON	0.89	-1.57	19.93	-8.35	70
HILLSBORO	1.13	-1.79	24.84	-9.31	73
ITASCA	1.10	-2.13	22.78	-13.95	62
JACKSBORO	2.36	+0.17	19.14	-10.96	64
JOE POOL LAKE	1.72	-1.26	20.57	-16.67	55
JUSTIN	1.86	-0.92	24.81	-10.86	70
LAKE BRIDGEPORT	1.68	-0.92	26.66	-5.94	82

COOPERATIVE SITES

	FEBRUARY		APR 2012 - FEB 2013		
	2013	DEPARTURE	TOTAL	DEPARTURE	PERCENT

LAKE TAWAKONI	2.08	-1.43	27.60	-11.86	70
LAVON DAM	1.50	-1.47	26.96	-9.90	73
LEWISVILLE DAM	1.12	-1.44	19.02	-15.73	55
MARLIN	2.08	-0.70	27.37	-7.57	78
MAYPEARL	1.56	-1.73	22.88	-11.97	66
MIDLOTHIAN	1.68	-0.98	21.95	-15.62	58

MORGAN	1.15	-1.96	20.44	-13.15	61
MUENSTER	2.50	-0.13	25.88	-8.33	76
NAVARRO MILLS	2.26	-0.78	26.19	-9.27	74
PARIS	2.46	-0.82	26.65	-15.98	63
PROCTOR DAM	1.09	-1.14	16.89	-12.79	57
RAINBOW	1.07	-1.19	23.49	-5.74	80
ROANOKE	1.36	-1.41	23.92	-12.60	65
ROCKDALE	1.08	-1.49	19.80	-12.64	61
ROSSER	1.70	-1.29	23.37	-13.03	64
SHERMAN	2.27	-0.67	28.87	-10.81	73
STEPHENVILLE	1.04	-1.21	19.36	-9.32	68
STILLHOUSE HOLLOW	1.43	-1.16	22.68	-10.91	68
STRAWN	1.18	-1.02	20.84	-7.30	74
SULPHUR SPRINGS	2.34	-1.32	26.44	-16.33	62
TERRELL	1.71	-1.51	24.65	-13.88	64
THORNTON	3.48	+0.65	29.64	-5.62	84
WACO DAM	1.91	-0.97	24.32	-8.56	74
WHITNEY DAM	0.89	-1.53	23.97	-8.72	73
WILLS POINT	1.66	-1.92	27.80	-12.05	70

PRECIPITATION/TEMPERATURE OUTLOOK...

ENSO NEUTRAL CONDITIONS ARE EXPECTED TO CONTINUE THROUGHOUT THE SPRING...REDUCING THE LIKELIHOOD OF DROUGHT-EASING RAINS. IN ADDITION...TEMPERATURE OUTLOOKS STRONGLY FAVOR ABOVE NORMAL TEMPERATURES THE NEXT SEVERAL MONTHS. AS A RESULT...THE U.S. SEASONAL DROUGHT OUTLOOK CONTINUES TO PROJECT PERSISTING DROUGHT CONDITIONS ACROSS MUCH OF TEXAS THROUGHOUT THE SPRING.

HYDROLOGIC SUMMARY AND OUTLOOK...

CUMULATIVELY...STATEWIDE RESERVOIRS ARE AT 2/3 OF CAPACITY...HAVING LOST A TRILLION GALLONS OF WATER (10 PERCENT OF CONSERVATION) SINCE EASTER 2012. THE CURRENT LEVEL IS A RECORD LOW FOR MARCH...BASED ON DATA SINCE 1990. THE RESERVOIRS THAT HAVE SUFFERED THE MOST ARE PRIMARILY ACROSS WEST AND SOUTH TEXAS. NORTH AND CENTRAL TEXAS LAKES REMAIN HEALTHIER THAN MUCH OF THE REST OF THE STATE.

RIVER BASIN STORAGE

	PERCENT OF CONSERVATION
LOWER RED	87.6
SULPHUR	70.8
UPPER SABINE	82.3
NECHES	92.6
UPPER TRINITY	78.6
UPPER BRAZOS	55.0
LOWER BRAZOS	78.6

(NOTE: THE UPPER BRAZOS BASIN STRETCHES TO THE NEW MEXICO BORDER.)

RESERVOIR DATA - MARCH 6, 2013

	NORMAL POOL	POOL HEIGHT	DEFICIT/ SURPLUS	PERCENT OF CONSERVATION
LOWER RED RIVER BASIN				
LAKE TEXOMA	617.0	611.56	-5.44	75
PAT MAYSE LAKE	451.0	446.80	-4.20	80
SULPHUR RIVER BASIN				
JIM CHAPMAN LAKE	440.0	432.67	-7.33	56
UPPER SABINE RIVER BASIN				
LAKE TAWAKONI	437.5	432.73	-4.77	81
LAKE FORK	403.0	398.71	-4.29	83
NECHES RIVER BASIN				
LAKE PALESTINE	345.0	344.03	-0.97	97

	NORMAL POOL	POOL HEIGHT	DEFICIT/ SURPLUS	PERCENT OF CONSERVATION
UPPER TRINITY RIVER BASIN				
LAKE AMON CARTER	920.0	914.18	-5.82	62
LAKE BRIDGEPORT	836.0	820.86	-15.14	55
EAGLE MOUNTAIN LAKE	649.0	643.65	-5.35	76
LAKE WORTH	594.0	591.11	-2.89	75
LAKE WEATHERFORD	896.0	888.24	-7.76	58
LAKE BENBROOK	694.0	687.73	-6.27	71
LAKE ARLINGTON	550.0	544.66	-5.34	75
LAKE RAY ROBERTS	632.5	628.41	-4.09	86
LAKE LEWISVILLE	522.0	516.39	-5.61	75
LAKE GRAPEVINE	535.0	529.03	-5.97	75
LAKE LAVON	492.0	483.12	-8.88	62
LAKE RAY HUBBARD	435.5	431.92	-3.58	84
JOE POOL LAKE	522.0	519.97	-2.03	90
MOUNTAIN CREEK LAKE	457.0	457.38	+0.38	104
LAKE WAXAHACHIE	531.0	529.20	-1.80	87
BARDWELL LAKE	421.0	418.52	-2.48	84
NAVARRO MILLS LAKE	424.5	424.05	-0.45	96
CEDAR CREEK RESERVOIR	322.0	318.82	-3.18	85
RICHLAND CHAMBERS	315.0	310.28	-4.72	83

	NORMAL POOL	POOL HEIGHT	DEFICIT/ SURPLUS	PERCENT OF CONSERVATION
UPPER BRAZOS RIVER BASIN				
HUBBARD CREEK	1183.0	1161.94	-21.06	28
LAKE GRAHAM	1075.0	1069.64	-5.36	67
POSSUM KINGDOM LAKE	1000.0	989.76	-10.24	65
LAKE PALO PINTO	867.0	861.58	-5.42	58
LAKE GRANBURY	693.0	687.48	-5.52	71
LOWER BRAZOS RIVER BASIN				
LAKE PAT CLEBURNE	733.5	728.62	-4.88	72
LAKE WHITNEY	533.0	524.19	-8.81	27
AQUILLA LAKE	537.5	533.55	-3.95	64
WACO LAKE	462.0	458.28	-3.72	84
LAKE LEON	1375.0	1368.24	-6.76	66
PROCTOR LAKE	1162.0	1156.54	-5.46	56
BELTON LAKE	594.0	586.82	-7.18	78
STILLHOUSE HOLLOW	622.0	615.56	-6.44	83
LAKE MEXIA	448.0	448.23	+0.23	
LAKE LIMESTONE	363.0	360.37	-2.63	83

ACCORDING TO THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ)... THERE ARE OVER 1000 COMMUNITIES ACROSS THE STATE THAT CURRENTLY HAVE WATER RESTRICTIONS. OF THOSE...19 HAVE LESS THAN 6 MONTHS OF WATER STORAGE...AND THREE COMMUNITIES HAVE LESS THAN 45 DAYS. BUT FOR NORTH AND CENTRAL TEXAS...THE HYDROLOGIC IMPACTS OF THE DROUGHT HAVE BEEN FAR LESS SEVERE THOUGH SOME WATER RESTRICTIONS REMAIN IN PLACE.

THE NORTH TEXAS MUNICIPAL WATER DISTRICT (NTMWD) HAS EXTENDED INDEFINITELY ITS TWICE-PER-WEEK LIMIT ON LANDSCAPE WATERING. THIS IS DUE IN LARGE PART TO THE ZEBRA MUSSEL INFESTATION IN LAKE TEXOMA... WHICH IS EXPECTED TO KEEP THAT PORTION OF THE NTMWD SUPPLY (28 PERCENT) OFF LIMITS UNTIL THE FALL OF 2013.

TARRANT REGIONAL WATER DISTRICT (WHICH IS AT 79 PERCENT CAPACITY) ALLOWS WATERING ON ANY DAY OF THE WEEK THOUGH ONLY HAND WATERING IS PERMITTED BETWEEN 10 AM AND 6 PM. TWICE-PER-WEEK WATER RESTRICTIONS CONTINUE IN DALLAS (WHERE AVAILABLE STORAGE IS AT 80 PERCENT OF CAPACITY) THOUGH LANDSCAPE WATERING IS PERMITTED AT ANY HOUR THROUGH THE END OF MARCH.

CENTRAL TEXAS LAKE LEVELS ARE ALSO GRADUALLY SUBSIDING...BUT THE WATER SUPPLY FOR THE CITY OF WACO IS STILL AT 85 PERCENT. DESPITE THE SEVERE DROUGHT IN BELL COUNTY...THE TEMPLE/KILLEEN WATER STORAGE IS AT 81 PERCENT. VOLUNTARY WATER CONSERVATION REMAINS IN EFFECT FOR MUCH OF MCLENNAN AND BELL COUNTIES THOUGH A FEW MUNICIPALITIES HAVE CONTINUED STAGE 1 WATER RESTRICTIONS.

NEXT ISSUANCE DATE...

THE NEXT DROUGHT INFORMATION STATEMENT WILL BE ISSUED IN LATE MARCH OR EARLY APRIL.

&&

RELATED WEB SITES...

NWS FORT WORTH DROUGHT PAGE - WEATHER.GOV/FORTWORTH/?N=DROUGHT
NATIONAL INTEGRATED DROUGHT INFORMATION SYSTEM - DROUGHT.GOV
CLIMATE PREDICTION CENTER - WWW.CPC.NCEP.NOAA.GOV

NATIONAL DROUGHT MITIGATION CENTER - DROUGHT.UNL.EDU
U.S. DROUGHT MONITOR - DROUGHTMONITOR.UNL.EDU
DROUGHT IMPACT REPORTER - DROUGHTREPORTER.UNL.EDU

ACKNOWLEDGEMENTS...

THE U.S. DROUGHT MONITOR FACILITATES CONTINUOUS DISCUSSION AMONG NUMEROUS AGENCIES...ACADEMIA...AND OTHER LOCAL INTERESTS. THE EXPERTISE OF ITS MEMBERS HAS BEEN INVALUABLE IN DEVELOPING DROUGHT PRODUCTS AND SERVICES FOR OUR CUSTOMERS AND PARTNERS.

THE DROUGHT IMPACT REPORTER (MAINTAINED BY THE NATIONAL DROUGHT MITIGATION CENTER) HAS ALLOWED VARIOUS IMPACTS TO BE COMPILED WITHIN

ONE CLEARINGHOUSE. THESE IMPACTS INCLUDE AGRICULTURAL ISSUES...
HYDROLOGIC DEFICITS...FIRE DANGER...AND OTHER SOCIAL AND ECONOMIC
CONSEQUENCES. A SUMMARY OF THE SUBMITTED IMPACTS IS INCLUDED IN EACH
DROUGHT INFORMATION STATEMENT.

THE TEXAS DEPARTMENT OF AGRICULTURE AND THE TEXAS AGRILIFE EXTENSION
SERVICE PROVIDE ROUTINE ASSESSMENTS OF CROP AND PASTURE CONDITIONS
TO THE NATIONAL AGRICULTURAL STATISTICS SERVICE (NASS)...PART OF THE
UNITED STATES DEPARTMENT OF AGRICULTURE (USDA). THE PERIODIC
STATEWIDE SUMMARIES THAT RESULT ARE USED AS A PRIMARY SOURCE FOR THE
AGRICULTURAL IMPACTS SECTION.

THE TEXAS FOREST SERVICE (TFS) CONTINUALLY MONITORS VEGETATION
CONDITIONS AND WILDFIRE POTENTIAL. THE STATE AGENCY ALSO MAINTAINS A
CURRENT LIST OF COUNTYWIDE BURN BANS.

OUTLOOKS OF TEMPERATURE AND PRECIPITATION ARE SUMMARIZED FROM A
VARIETY OF PRODUCTS CREATED BY THE CLIMATE PREDICTION CENTER (CPC).
CPC IS A NATIONAL WEATHER SERVICE (NWS) ENTITY WITHIN THE NATIONAL
CENTERS FOR ENVIRONMENTAL PREDICTION (NCEP).

THE HYDROLOGIC DATA ARE COMPILED FROM NUMEROUS SOURCES...INCLUDING
THE U.S. ARMY CORPS OF ENGINEERS (USACE)...THE TEXAS WATER
DEVELOPMENT BOARD (TWDB)...AND LOCAL WATER DISTRICTS.

QUESTIONS OR COMMENTS...

FOR ADDITIONAL INFORMATION OR TO PROVIDE FEEDBACK ON OUR DROUGHT
PRODUCTS AND SERVICES...PLEASE CONTACT...

NATIONAL WEATHER SERVICE
WEATHER FORECAST OFFICE
3401 NORTHERN CROSS BLVD.
FORT WORTH, TX 76137

PHONE: (817) 429-2631
E-MAIL: SR-FWD.WEBMASTER@NOAA.GOV

\$\$

HUCKABY/25

U.S. Dept. of Commerce
NOAA National Weather Service
1325 East West Highway
Silver Spring, MD 20910
E-mail: w-ows.webmaster@noaa.gov
Page last modified: May 16, 2007

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NATIONAL WEATHER SERVICE: *for Safety, for Work, for Fun* - FOR LIFE

**National Weather Service Weather Forecast Office
Dallas/Fort Worth, TX**

Sherman (Grayson County)

33° 42' N 96° 38' W

760 ft

30 Year Normals (1981-2010)														
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann	
Normal	Maximum (°F)	51.9	56.2	64.3	72.4	79.8	87.4	92.1	92.6	84.7	74.5	63.0	52.8	72.6
	Minimum (°F)	33.1	36.6	44.2	52.3	61.2	68.9	72.9	72.6	65.1	54.6	43.8	34.5	53.3
	Precipitation (in.)	2.47	2.94	3.92	3.55	5.32	5.00	2.62	2.06	3.59	5.29	3.70	3.14	43.60
Degree Days	Heating	698	522	348	137	24	1	0	13	106	361	663	2873	
	Cooling	0	1	15	58	194	395	542	545	310	92	13	1	2166
Monthly Precipitation														
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann	
2013	1.70	2.27												
2012	6.58	2.05	5.69	3.92	4.39	3.84	2.48	2.87	1.95	1.48	0.22	3.75	39.22	
2011	0.80	1.09	0.81	3.15	9.35	0.30	0.04	0.48	1.29	5.80	3.29	4.63	31.03	
2010	3.08	3.81	3.28	3.21	2.68	2.19	4.39	1.04	9.86	2.42	2.19	2.13	40.28	
2009	0.93	1.32	4.75	13.09	10.25	3.57	3.86	3.94	5.37	13.71	0.83	2.82	64.44	
2008	0.34	2.87	13.14	3.60	3.84	2.53	2.49	3.44	1.25	0.69	1.96	0.64	36.79	
2007	4.13	0.59	2.69	2.80	7.21	17.04	6.11	0.72	0.78	2.61	1.36	2.70	48.74	
2006	2.21	2.67	7.42	1.91	1.31	0.60	0.99	2.56	2.96	4.14	4.54	3.32	34.63	
2005	7.30	1.78	2.34	1.10	2.48	1.13	3.51	1.43	0.97	1.42	0.58	0.30	24.34	
2004	2.20	4.44	1.84	3.62	1.40	9.97	3.41	2.66	1.59	7.73	6.82	2.65	48.33	
2003	0.00	3.03	0.93	0.85	3.48	4.07	0.96	1.73	4.57	0.55	3.75	1.35	25.27	
2002	3.88	1.96	9.19	5.49	3.07	4.23	4.48	1.95	1.54	7.23	1.13	5.00	49.15	
2001	2.96	8.42	3.10	3.38	7.02	3.96	1.06	2.80	4.51	4.56	0.99	3.20	45.96	
2000	2.14	1.31	3.08	4.84	4.84	7.88	0.28	0.00	3.63	5.69	M	6.92	NA	
1999	2.52	0.59	2.98	5.25	8.19	M	0.00	1.59	1.96	M	0.58	4.21	NA	
1998	7.43	2.11	5.55	1.98	0.72	2.19	0.04	1.89	1.41	4.45	3.11	4.49	35.37	
1997	0.46	6.98	3.93	6.16	6.59	2.99	0.83	1.72	0.41	7.79	2.02	5.87	45.75	
1996	1.71	0.06	3.18	1.78	0.66	3.63	6.92	5.97	5.00	5.35	13.66	1.25	49.17	
1995	1.73	0.43	8.02	4.27	7.46	M	4.99	0.87	5.51	1.05	1.88	3.89	NA	
1994	1.53	3.13	1.77	2.03	4.85	2.14	8.80	5.06	3.37	9.83	11.20	2.71	56.42	
1993	1.53	5.33	4.14	3.83	5.92	5.10	0.02	1.56	4.39	7.35	1.79	4.29	45.25	
1992	2.73	2.27	2.28	1.96	3.85	4.98	4.61	1.82	5.24	0.58	3.55	4.33	38.20	
1991	2.07	1.37	1.08	3.20	5.40	6.02	3.01	4.35	3.16	8.20	2.00	10.26	50.12	
1990	6.21	3.47	7.35	8.36	7.54	2.43	2.92	0.98	2.89	2.35	3.57	1.82	49.89	
1989	3.32	4.83	3.94	0.69	9.16	6.93	2.72	0.91	3.14	1.88	0.75	0.38	38.65	
1988	1.50	2.02	1.63	2.38	0.58	2.71	1.69	0.68	5.32	4.21	2.66	2.75	28.13	
1987	3.00	4.47	2.36	0.12	7.63	5.24	2.42	0.60	6.38	1.61	6.23	4.92	44.98	
1986	0.05	5.90	1.55	6.17	5.34	9.46	0.04	2.29	7.47	5.29	3.84	1.58	48.98	
1985	1.38	2.74	5.13	5.71	4.14	9.71	1.45	1.84	4.14	8.32	2.83	0.31	47.70	
1984	1.29	3.35	3.35	2.79	3.43	4.33	0.09	1.85	0.83	10.39	2.70	5.07	39.47	
1983	0.85	3.00	3.51	1.08	7.00	5.83	1.93	2.09	1.04	3.02	2.71	1.17	33.23	
1982	4.95	2.80	1.08	2.41	15.08	6.29	3.07	1.71	2.36	1.24	7.24	3.74	51.97	
1981	0.68	0.76	2.72	3.89	7.30	3.78	1.46	2.49	5.08	22.83	6.89	0.20	58.08	
1980	1.46	2.15	1.86	1.57	3.60	1.21	1.15	0.00	12.91	3.80	1.44	1.18	32.33	
1979	2.58	2.91	5.80	2.18	6.25	1.60	3.45	3.57	1.18	2.56	0.72	2.45	35.25	
1978	1.98	3.34	3.24	1.50	4.17	2.41	1.23	1.81	1.90	0.42	8.17	1.13	31.30	
1977	M	2.69	9.40	3.40	2.16	3.42	1.52	3.88	1.12	0.28	1.27	0.66	NA	
1976	0.12	1.70	2.66	6.22	5.64	2.61	3.91	3.09	1.61	3.72	0.58	2.55	34.41	
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann	
1975	1.99	2.99	3.42	2.64	7.65	5.54	3.42	1.90	2.07	0.18	3.52	1.60	36.92	
1974	1.26	1.38	1.35	4.13	4.00	6.10	2.57	4.22	6.74	7.91	3.95	2.45	46.06	
1973	2.09	2.58	5.15	6.89	5.43	6.18	2.94	1.14	11.52	5.44	1.70	0.58	51.64	
1972	0.68	0.39	0.33	4.45	3.04	1.09	0.82	3.21	5.85	9.49	3.75	0.72	33.82	
1971	M	1.88	1.20	2.90	4.76	0.79	1.82	4.38	4.62	6.98	3.05	7.42	NA	
1970	0.56	6.22	2.74	6.42	5.74	1.51	1.21	2.12	10.01	2.26	0.85	0.91	40.55	
1969	2.96	4.33	4.00	2.90	10.83	3.69	0.02	1.23	4.05	5.34	0.54	4.22	44.11	
1968	4.07	1.60	7.08	2.87	6.93	6.95	2.64	0.65	6.46	1.74	4.42	1.71	47.12	
1967	0.11	1.32	2.32	10.32	12.46	4.05	3.65	1.10	7.79	3.02	1.20	2.48	49.82	
1966	0.91	2.17	1.46	11.48	2.55	2.71	2.61	4.66	2.84	0.75	1.19	1.95	35.28	

National Weather Service Weather Forecast Office
Dallas/Fort Worth, TX

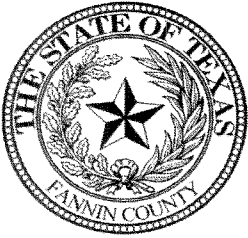
Bonham (Fannin County)

33° 38' N 96° 10' W

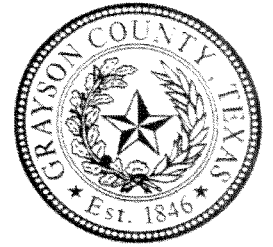
600 ft

30-Year Normals (1981-2010)														
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann	
Normal	Maximum (°F)	52.5	56.7	64.6	73.0	80.1	87.7	92.3	93.3	85.7	75.5	63.9	53.5	73.2
	Minimum (°F)	30.9	34.4	42.0	49.9	60.2	67.7	71.6	70.8	63.0	51.7	41.7	32.2	51.3
	Precipitation (in.)	2.69	3.60	4.37	3.87	5.57	5.30	3.15	2.17	3.41	5.06	3.37	3.57	46.13
Degree Days	Heating	723	545	373	153	26	1	0	18	127	379	688	3033	
	Cooling	0	1	10	47	186	382	525	529	299	83	13	1	2076
Monthly Precipitation														
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann	
2013	4.03	1.92												
2012	6.12	2.31	5.62	1.59	1.80	5.20	2.58	5.19	1.24	2.12	0.02	2.27	36.06	
2011	M	M	M	4.92	8.69	1.05	0.42	0.04	0.58	1.73	3.93	5.41	NA	
2009-2010	NOT AVAILABLE													
2008	0.60	4.14	9.29	5.45	4.93	M	M	M	M	M	M	M	NA	
2007	5.94	0.50	2.84	5.66	7.21	10.04	8.18	3.55	2.21	2.57	1.47	3.82	53.99	
2006	2.36	2.82	7.79	4.72	2.01	3.49	1.15	3.62	3.82	5.50	2.90	4.85	45.03	
2005	7.13	1.94	2.61	1.61	2.59	0.92	7.30	1.45	1.16	0.03	0.90	0.22	27.86	
2004	3.17	4.09	2.19	2.45	1.56	7.96	1.81	2.24	2.85	5.10	6.89	1.03	41.34	
2003	0.00	2.40	1.81	1.70	3.80	6.05	1.48	3.31	3.03	1.79	3.95	1.29	30.71	
2002	5.23	1.27	7.35	7.38	3.92	3.77	4.48	6.11	3.17	9.53	1.00	5.76	58.97	
2001	2.96	11.83	5.63	2.61	5.81	2.06	0.10	4.91	4.51	3.01	1.09	4.16	48.68	
2000	2.07	2.29	3.89	5.81	2.45	7.05	0.26	0.00	1.67	4.05	8.76	5.57	43.87	
1999	1.90	0.27	4.21	2.37	5.17	M	1.11	0.52	3.44	4.87	0.00	5.35	NA	
1998	7.01	3.04	4.44	2.38	1.40	2.21	0.96	1.93	1.88	5.74	3.94	5.92	40.85	
1997	0.61	7.19	2.14	7.77	2.83	3.22	2.81	1.92	0.80	6.56	2.60	8.31	46.76	
1996	3.35	0.75	3.15	1.88	0.79	2.93	4.34	7.60	4.79	6.88	9.64	1.43	47.53	
1995	1.96	0.57	5.10	5.65	11.06	2.76	2.07	0.04	7.11	0.53	0.73	2.34	39.92	
1994	1.96	2.40	2.57	4.22	5.75	1.92	14.11	5.81	2.00	9.77	7.10	2.67	60.28	
1993	1.54	6.08	6.03	4.84	1.30	3.25	0.10	0.45	3.34	12.45	1.90	4.75	46.03	
1992	2.86	2.47	4.61	2.50	5.21	9.15	6.82	0.93	5.05	0.90	4.02	3.45	47.97	
1991	3.47	2.51	2.74	4.00	5.41	5.36	3.51	1.33	1.41	11.39	2.82	8.91	52.86	
1990	6.06	6.30	8.41	6.75	12.04	3.29	3.55	0.33	1.75	3.05	3.68	2.38	57.59	
1989	4.08	6.43	5.93	0.65	9.67	11.72	6.40	1.04	4.20	1.65	0.61	0.57	52.95	
1988	1.27	1.99	2.87	2.87	2.19	4.76	7.04	1.37	5.35	4.68	3.16	3.49	41.04	
1987	2.60	4.02	3.01	0.06	8.21	4.00	1.91	2.96	7.08	3.12	6.05	5.04	48.06	
1986	0.06	2.80	1.57	5.37	4.63	7.21	2.98	3.61	5.06	2.25	6.35	1.82	43.71	
1985	1.74	4.19	4.19	5.48	4.65	3.42	3.19	0.26	2.68	7.22	6.66	1.39	45.07	
1984	1.38	4.01	4.21	2.46	6.09	2.48	2.72	1.80	2.10	10.18	3.54	6.64	47.61	
1983	1.01	5.19	3.48	0.73	6.26	7.04	4.94	1.11	1.56	5.15	3.77	1.73	41.97	
1982	3.82	2.39	1.59	2.31	9.23	9.08	3.24	1.00	0.26	2.21	6.68	6.45	48.26	
1981	0.91	0.92	4.09	3.54	6.77	6.87	2.77	2.03	2.09	17.15	5.79	0.28	53.21	
1980	1.71	1.19	1.72	1.59	4.23	1.32	0.00	1.29	9.25	4.59	1.61	1.85	30.35	
1979	3.39	4.10	5.50	2.55	M	2.23	4.51	2.74	2.13	3.70	0.93	3.25	NA	
1978	2.53	3.67	3.37	2.66	5.57	2.13	0.80	1.31	0.87	0.13	7.92	0.64	31.60	
1977	3.69	2.67	6.99	3.41	1.25	3.88	1.02	3.93	1.78	0.43	1.77	1.16	31.98	
1976	0.40	0.68	5.14	4.92	6.24	4.52	10.70	3.75	1.56	3.84	0.73	1.69	44.17	
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann	
1975	2.28	5.51	4.11	2.27	5.76	4.69	1.73	0.61	1.38	0.12	2.51	2.21	33.18	
1974	1.82	1.26	1.96	4.49	3.28	4.46	0.99	6.61	5.90	5.82	5.00	2.08	43.67	
1973	2.67	2.75	5.13	6.12	3.41	6.11	2.19	0.83	10.48	7.45	4.34	2.11	53.59	
1972	1.44	0.65	1.00	2.68	1.58	1.63	3.05	2.38	2.81	9.05	4.99	1.35	32.61	
1971	1.98	2.06	0.87	1.31	4.92	0.75	4.28	M	3.82	7.06	1.35	10.99	NA	
1970	0.85	8.53	3.52	5.00	2.27	2.08	1.15	2.65	9.61	4.22	1.09	0.91	41.88	
1969	2.75	3.25	5.14	3.05	12.19	3.61	0.05	0.98	3.55	4.62	0.76	4.98	44.93	
1968	3.60	1.79	7.89	6.87	6.41	7.62	4.53	2.63	9.94	2.59	5.04	2.52	61.43	
1967	0.48	1.68	3.97	7.99	9.84	2.45	3.60	2.28	9.27	4.96	0.78	3.06	50.36	
1966	1.13	2.68	1.57	12.51	2.77	2.54	1.56	6.38	3.66	1.00	0.58	2.89	39.27	
1965	1.69	4.90	1.33	1.57	6.80	4.73	0.49	1.11	7.62	0.62	M	1.47	NA	

ATTACHMENT 12



RED RIVER GROUNDWATER CONSERVATION DISTRICT AGENDA COMMUNICATION



DATE: APRIL 11, 2013

SUBJECT: AGENDA ITEM NO. 12

GENERAL MANAGER'S REPORT

SUMMARY

The registered well information is attached for your information and use. There has not been much change since the last month. The field technician has experienced some health problems and has not been able to inspect wells in the past month.

ATTACHMENTS

Well Registration Summary

PREPARED AND SUBMITTED BY:

A handwritten signature in cursive script that reads "Jerry W. Chapman".

Jerry W. Chapman, General Manager

Red River Groundwater Conservation District

Well Registration Summary

As of April 11, 2013

Well Type	Total Registered	Previous Month	New Registrations
Domestic	77	55	22
Agriculture	19	16	3
Oil/Gas	5	5	0
Surface Impoundments	2	1	1
Commercial	5	5	0
Golf Course	7	7	0
Livestock	8	8	0
Irrigation	1	1	0
Public Water	244	231	13
Total	368	329	39

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