

BLCA Lakes Chain
ALA/GWI Source Map Color Code

Non-point Septic Systems		Bright Green
Point Septic Sources		Brown
Point Runoff Source		Red
Non-point Runoff		Orange
Groundwater Springs		Purple
Point Toxic Source		Olive
Non Point Toxic Source		Light Green
Exotic Aquatic Plants		Yellow
Vegetative Buffer		Green
Set Back		Gray
Non-Conforming Density		Black
Other		Violet
Unknown Thermal Anomaly		Turquoise

BRIGGS LAKE CHAIN ALA/GWI SOURCE MAP COLOR CODE DEFINITIONS

Septic Point Source	Contained septic system direct discharge ie. pipe or ditch to the lake.
Septic Non-point Source	Diffused subsurface septic system leak or discharge flowing to lake.
Runoff—Point Source	Ditch or pipe.
Runoff—Non-point Source	Water flowing overland.
Groundwater Springs	Water coming from the ground, can be natural or manmade
Point Toxic Source	Flow through ditch or pipe that appears to be toxic to vegetation.
Non-Point Toxic Source	Toxic runoff from diffused source that appears to be toxic to
Exotic Aquatic Plants	Curly-leaf pondweed, Eurasian milfoil.
Vegetative Buffer	Strip of vegetation between dwelling and lake. (see table below).
Set Back	Insufficient distance from dwelling to lake. (see table below)
Non-Conforming Density	Impervious area exceeds ordinance allowance (25% of lot area).
Other	Various issues.
Unknown Thermal Anomaly	Unexplained 'hot spot'.
Septic/Wastewater Investigation	Insure that septic system is up to code and function properly.
Develop/Expand Vegetative Buffer	Increase vegetation buffer to clean storm water runoff.
Berm	Small earthen berm designed to temporarily holdback storm water so that it seeps into the ground for removal of phosphorus.
Redirect Storm water Away from Lake	Collect storm water runoff from roof or impervious area and direct it away from lake
Debris Removal	Remove debris from lake.

Lake	Classification	Setback	Shoreline Impact Zone (vegetative buffer)
Briggs	Recreational Development	100	50
Elk	General Development	75	37.5
Rush	Recreational Development	100	50
Julia	Recreational Development	100	50

Data and Analysis

In the front of the report, clients will find maps, with numbered sites, which correlate with the image locations. Some images have color coded ovals, circles or arrows indicating areas of interest.

The camera systems used include: visible images and several hyperspectral bands, including chlorophyll *a*, water penetrating, and thermal. The image data is presented as follows:

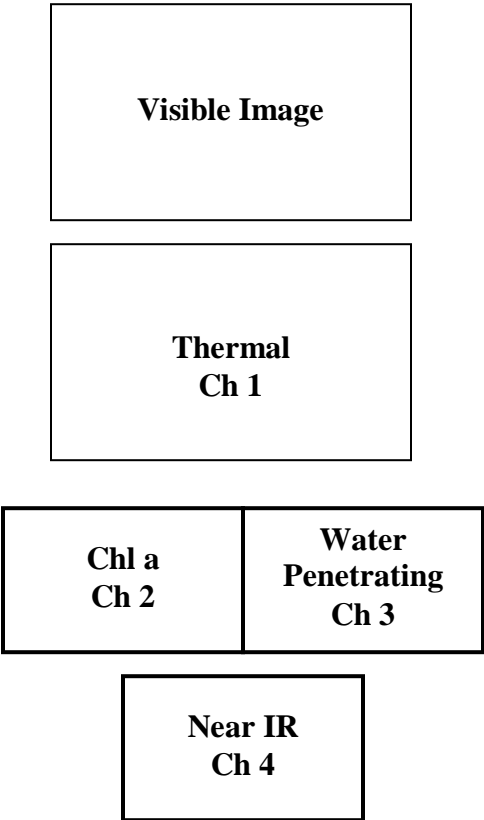


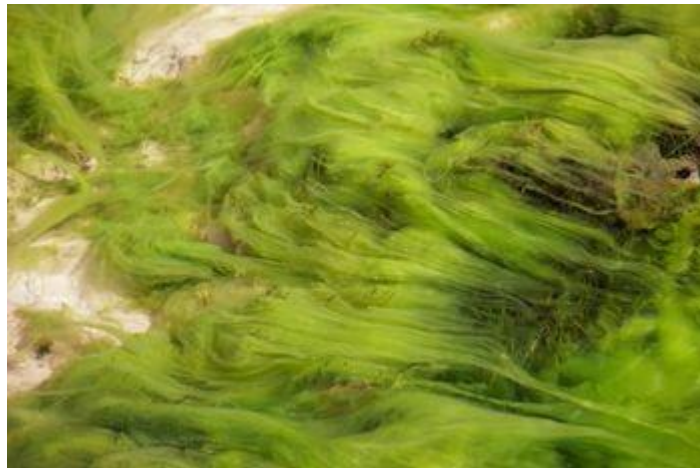
Image Legend

<u>Camera</u>	<u>White</u>	<u>Black</u>
CH 1 -Thermal	Warmest	Colder
CH 2- Chlorophyll a	Not healthy	Healthy (Conifers)
CH 3- Near IR	Land, Trees	Wet
CH 4-Water Penetrating	N/A	N/A

PLANTS



Chladophora



Spirogyra

Both plants are present in at high nutrient areas.