



AQUATIC CONSULTING & TESTING, INC.

1525 W. University Drive, Suite 106
P.O. Box 1510
Tempe, Arizona 85281
Phone: (480) 921-8044 • Fax: (480) 921-0049

Lic. No. AZ0003

07 July 2025

Dobson Ranch HOA
2719 South Reyes
Mesa, Arizona 85202

RE: June 2025 Report

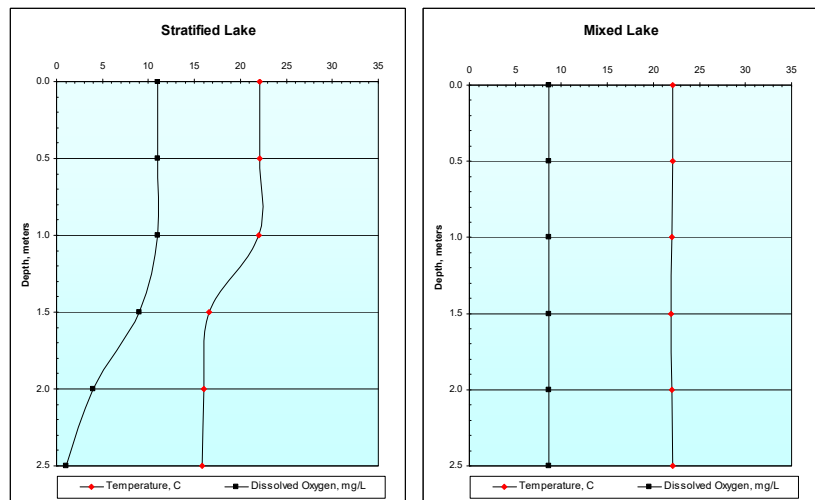
The following report presents the results of field inspections on the Dobson Ranch lakes for the month of June 2025. This report summarizes data collected under the updated program started in 2019 and expanded in 2020 that includes comprehensive testing of one-half of the lakes on a monthly basis from March through October and bi-weekly field inspections twice per month throughout the year. Comprehensive testing on Lakes 5-8 was completed during the month and laboratory reports are provided. Comparison to the last comprehensive test (April 2024) are provided for those lakes. Field sheets for the inspection weeks are also included.

A number of tools have been used to evaluate and quantify the water quality of each lake. These include: Arizona Department of Environmental Quality Numeric Targets for Urban Lakes, the Carlson Trophic Status Index (TSI), and a Lake Report Card based on that used by Arizona Game and Fish Department that was developed by Aquatic Consulting & Testing, Inc.

The following provides brief descriptions of some of the more important parameters.

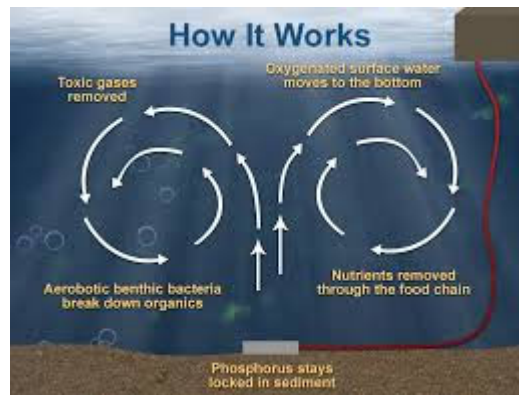
Temperature and Oxygen

Density differences in water caused by temperature produce a physical barrier to the exchange of gases and nutrients between water layers. Typically warmer (less dense) water rests above deeper, cooler (more dense) water. Deep waters can become anoxic (oxygen poor) and cause the formation and release of toxic gases as hydrogen sulfide and ammonia, and



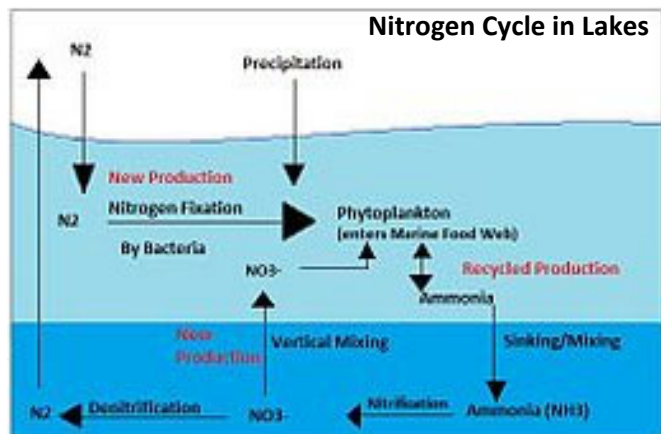
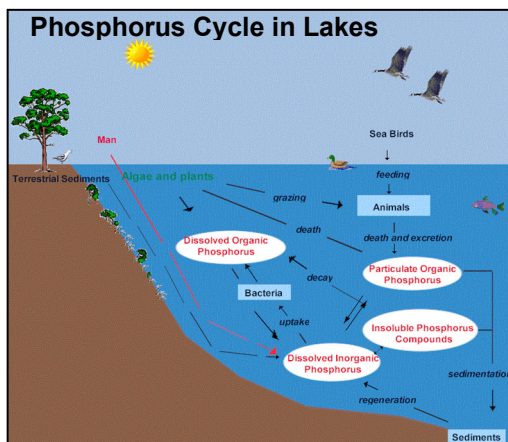
the release of plant nutrients as phosphates. A vertically mixed lake rarely suffers from such issues.

Aeration systems are designed to circulate and distribute oxygen vertically in the water column. Circulation is necessary for two primary purposes: (1) to deliver oxygen to the deeper waters for fish survival and (2) to maintain an aerobic environment throughout the lake to prevent the release and distribution of phosphates, ammonia, and sulfide from the anaerobic sediment.



Nutrients

Algae are plants and require nitrogen and phosphorus for growth. In the desert southwest, large growths of planktonic algae typically form in the summer when total phosphorus concentrations are above 0.030 mg/L. Nitrogen values usually need to be at least 10 times that of phosphorus and in a soluble, usable (nitrate or ammonia) form to stimulate algae growth. Phosphorus and nitrogen cycles in the aquatic environment are illustrated below.



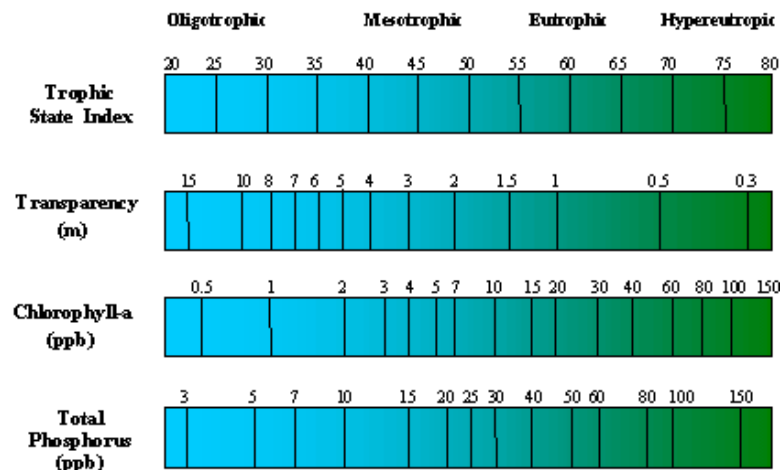
Algae and Aquatic Weeds

Algae are beneficial to a lake as they provide food for aquatic organisms and produce oxygen. However, some algae are undesirable and an overabundance of algae reduces aesthetic appeal and interferes with the ecological balance of the environment. Large die offs of algae can deplete dissolved oxygen in the water via bacterial utilization of the gas during decomposition of the plant biomass. Blue-green (Cyanophyta) algae are least desirable because some forms can form stringers (long filaments) and large colonies (masses) and are difficult to chemically manage because of their mucilaginous coatings.

Submerged weeds can be beneficial because they also produce oxygen and provide habitat and shelter for aquatic animals. However, an overabundance of weeds reduces aesthetic appeal, interferes with fishing and boating activities, interferes with the ecological balance of the environment, and can also deplete dissolved oxygen if a rapid die-off occurs.

Trophic Status Index

The Carlson Trophic Status Index (TSI) is a series of calculations that attempt to put a numerical value on water quality. The more algae and greener a lake is, the more nutrients a lake has, and the less transparent the water becomes, the higher the trophic status and the greater the TSI value. Three values are calculated using the Secchi disk depth, total phosphorus concentration, and chlorophyll measurement to obtain an average TSI. Those lakes with relatively low TSI values are unproductive and termed oligotrophic. Those lakes with very high TSI values are classified as productive (eutrophic). Those lakes with TSI values falling in between are considered mesotrophic.



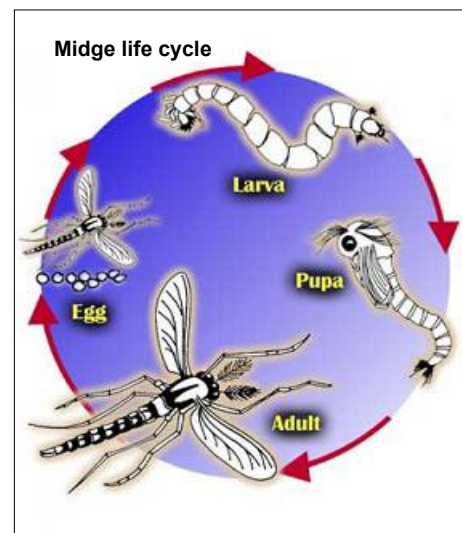
The Trophic Status report addendum provides each of these values for the sampling sites. For southern Arizona, a TSI of less than 60 is the target for reasonable aesthetic quality. Fisheries often flourish when TSI values are in the 55 to 65 range. Severe aesthetic and recreational problems occur when conditions result in TSI values of 80 or higher.

General Characteristics of Oligotrophic and Eutrophic Lakes

| Condition | Oligotrophic | Eutrophic |
|----------------------------|--------------|-----------|
| Productivity | Low | High |
| Algae density | Low | High |
| Nutrient concentrations | Low | High |
| Hypolimnion oxygen content | High | Low |
| Sediment nutrient release | Low to none | High |
| Organic matter | Low | High |
| Light transparency | Deep | Shallow |
| Macrophyte (weed) density | Low | High |

Midge flies

Midge flies are common inhabitants of most lakes. Adult females lay hundreds of eggs on the water surface. The eggs settle to the lake bottom and hatch in a few days. Larvae develop and grow in the superficial sediments over a three to four week period. In about 30 days the insect larvae become pupae, rise in the water column, and emerge as adult flies. The adults tend to swarm at dusk and dawn and become a nuisance. They fly into residents' eyes and mouths, congregate under eaves of houses, and leave a sticky messy residue when they die. Management techniques may include stocking of bottom-feeding fishes and application of bacterial or chemical larvicides. The primary control of midge flies has been stocking of fish that eat the larvae living in the lake sediment.



Waterfowl

The adverse impacts of excessive waterfowl include fecal matter deposition and public health issues, turf destruction, aesthetic detracting, and fish consumption. The Arizona Game and Fish Department has recently adopted the following classification for ducks counts (per acre) in urban fishing lakes: <3 (excellent), 3-4 (good), 5-6 (fair), and >6 (poor; relocate non-migratory).

June 2025 Report Narrative Summary

The following pages provide a summary of the monthly survey results. Comprehensive analyses were conducted on Lakes 5-8 on 05 June 2025. A brief narrative description is provided for each lake. Data are additionally qualified in the Lake Report Card (See Supporting Documentation). Lakes 1-8 received visual examination and basic water quality testing on 05 and 19 June 2025.

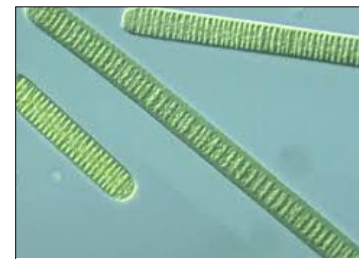
Lakes 5-8:

Lake 5

The Lake 5 temperatures ranged from 31.0-32.2 C. Water pH ranged from 8.1 to 8.3 SU indicating low to moderate algae density. Dissolved oxygen (5.6-7.6 mg/L) was lower than typical, but still satisfactory for the fishery and fish activity appeared normal. Lake 5 exhibited thermal stratification and minimal significant loss of oxygen in the deep waters (see attached profiles). Transparency increased to 0.91 m and turbidity increased to 21.3 NTU.

Alkalinity (128 mg/L as CaCO₃) and hardness (169 mg/L as CaCO₃) were fairly stable. Values are typical and expected from most waters in central Arizona. The total dissolved solids (mineral) concentration of the lake was good at 744 mg/L.

Although nutrient concentrations (nitrogen and phosphorus) increased, they supported a relatively low total algae density (1.47 x 10³ cells/mL). The dominant alga was the blue-green (Cyanophyta) filament, *Pediastrum*; not a problematic form. Chlorophyll concentration, indicative of algal biomass, was low at 3.60 ug/L. No abnormal algae growth or submerged weeds were observed. No potentially toxic golden algae (*Prymnesium parvum* or related species) were detected.



Oscillatoria

Bio-available nitrogen and total nitrogen were 0.60 mg/L and 0.67 mg/L, respectively. Phosphorus concentration was a very desirable 0.046 mg/L. Ammonia concentration was elevated at 0.18 mg/L. However, at ambient temperature and pH, no toxicity issues would result.



Prymnesium

Waterfowl mean density was under two birds per acre (<2/A) which is considered excellent (Arizona Game & Fish Department rating system shown below). No cormorants were noted.

Midge fly larvae density was low (200/m²) and should produce no issues to lakeside residents or visitors.

The mean TSI value decreased one (1) unit to 52. The lake remained in the slightly eutrophic category. The lake may have reduced clarity and become less aesthetically more pleasing, and may have anoxia in the deep waters during the summer.

The *E. coli* concentration was 47 MPN/100 mL. The maximum bacteria level for full body contact (FBC=swimming) and partial body contact (PBC=fishing and boating) recreation, is 126/100 mL (30-day geometric mean).

The Lake Report Card value for June 2025 was 45; down one (1) units from April 2025. The score kept the lake into the “good” category. High nitrogen and poor transparency were the primary factors for the lower score.

Lake 6

Lake 6 temperatures were stable and ranged from 27.6 to 31.6 C. Water pH was 8.4-8.7 SU indicating low to moderate algae density. Dissolved oxygen (5.9-8.2 mg/L) increased and was satisfactory for the fishery and fish activity appeared normal. Lake 6 exhibited minor thermal stratification and no significant loss of oxygen in the deep waters (see attached profiles). Transparency increased to 0.67 m and turbidity was 12.4 NTU.

Alkalinity (128 mg/L as CaCO₃) and hardness (169 mg/L as CaCO₃) increased. Values are typical and expected from most waters in central Arizona. The total dissolved solids (mineral) concentration of the lake decreased and was satisfactory at 664 mg/L.

Nutrient concentrations (nitrogen and phosphorus) supported a low to moderate total algae density of 1.31×10^4 cells/mL. The dominant alga was the diatom (Bacillariophyta) unicell, *Synedra*, a rarely problematic form. Chlorophyll concentration, indicative of algal biomass, was good at 5.49 ug/L. No abnormal algae growth or submerged weeds were observed. No potentially toxic golden algae (*Prymnesium parvum* or related species) were detected.



Scenedesmus

Bio-available nitrogen and total nitrogen concentrations were moderate at 0.6 mg/L and <0.05 mg/L, respectively. Phosphorus concentration was slightly elevated at 0.029 mg/L. Ammonia was highly elevated at 0.19 mg/L. However, at ambient temperature and pH, the value falls just under the chronic toxicity limit.

Waterfowl mean density was 1-2 birds per acre which is considered good (Arizona Game & Fish Department rating system (shown below)). No cormorants were noted. Adult midge flies did not appear to produce any nuisance issues to lakeside residents or visitors. Midge fly larvae density was quite low at 80/m².

The mean TSI value decreased 7 units to 55 and moved the lake into the slightly-eutrophic category. Traditionally, such lakes may have decreased transparency, anoxia in

hypolimnion during the summer. However, lake management procedures as lake dye addition, aeration, and herbivorous fish stocking reduce potential for negative effects.

The *E. coli* concentration was 29 MPN/100 mL. The maximum bacteria level for full body contact (FBC=swimming) and partial body contact (PBC=fishing and boating) recreation, is 126/100 mL (30-day geometric mean).

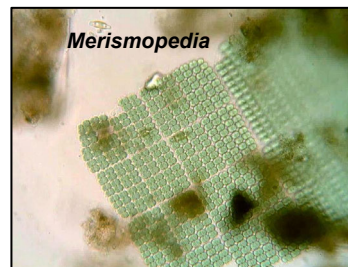
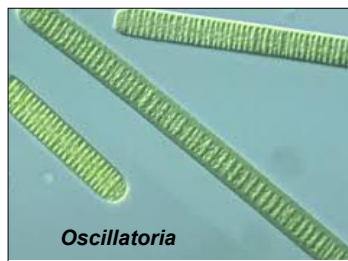
The Lake Report Card value for June 2025 was 48; up seven (7) units from April 2025. The lake remained in the “good” category.

Lake 7

Lake 7 temperatures ranged from 29.5 C to 31.5 C. Water pH remained stable at 9.0 SU indicating a possible elevated algae density. Dissolved oxygen (7.2-9.0 mg/L) was satisfactory for the fishery and fish activity appeared normal. Lake 7 exhibited minor thermal stratification and no significant loss of oxygen in the deep waters (see attached profiles). Transparency was 1.06 m and turbidity was 9.1 NTU.

Alkalinity (108 mg/L as CaCO₃) and hardness (192 mg/L as CaCO₃) were very stable. Values are typical and expected from most waters in central Arizona. The total dissolved solids (mineral) concentration of the lake was also stable at 996 mg/L.

Nutrient concentrations (nitrogen and phosphorus) were moderate to slightly elevated and would typically support at least a moderate total algae density. Algae density was moderate at 2.76 x 10⁴ cells/mL. Blue-green (Cyanophyta) algae were dominant and included *Oscillatoria* and *Merismopedia*. Chlorophyll concentration, indicative of algal biomass, was moderate at 14.4 ug/L. No abnormal algae growth or submerged weeds were observed. No potentially toxic golden algae (*Prymnesium parvum* or related species) were detected.



Bio-available nitrogen and total nitrogen concentrations were 0.8 mg/L and 0.85 mg/L, respectively. Phosphorus concentration was at a slightly elevated concentration of 0.035 mg/L. Ammonia was unusually high in concentration at 0.18 mg/L. However, at ambient temperature and pH, no toxicity issues would result.

Waterfowl mean density was less than two (<2) birds per acre which is considered excellent (Arizona Game & Fish Department rating system (shown below). No cormorants were noted.

Adult midge flies did not appear to produce any nuisance issues to lakeside residents or visitors. Midge fly density was low (200/m²) and should produce minimal issues to lakeside residents or visitors.

The mean TSI value was 57, down three (3) units compared to April 2025. The lake still placed in the slightly eutrophic category. Traditionally, such lakes may have decreased transparency, low deep water oxygen concentrations during the summer and submerged macrophyte issues. However, lake management procedures as lake dye addition, aeration, and herbivorous fish stocking reduce potential for negative effects.

The *E. coli* concentration was 30 MPN/100 mL. The maximum bacteria level for full body contact (FBC=swimming) and partial body contact (PBC=fishing and boating) recreation, is 126/100 mL (30-day geometric mean).

The Lake Report Card value for June 2025 was 47; up one (1) unit from April 2025 and remaining in the “good” category.

Lake 8

Lake 8 temperatures ranged from 29.6-30.3. Water pH ranged from 8.6 to 8.8 SU indicating a probable moderate algae density. Dissolved oxygen (6.6-9.4 mg/L) was satisfactory for the fishery and fish activity appeared normal. Lake 8 exhibited minor thermal stratification and no significant loss of oxygen in the deep waters (see attached profiles). Transparency was 1.34 and turbidity measured 4.2 NTU.

Alkalinity (128 mg/L as CaCO₃) and hardness (246 mg/L as CaCO₃) were within the typical range and similar to most waters in central Arizona. The total dissolved solids (mineral) concentration of the lake was stable at 1,340 mg/L.

Nutrient concentrations (nitrogen and phosphorus) were low to moderate and would typically support a low to moderate total algae density. Cell density corresponded to the nutrient levels at 2.36×10^4 cells/mL. Blue-green (Cyanophyta) colonies *Microcystis* and *Merismopedia* dominated the phytoplankton. Chlorophyll concentration, indicative of algal biomass, was moderate at 13.4 ug/L. No abnormal algae growth or submerged weeds were observed. No potentially toxic golden algae (*Prymnesium parvum* or related species) were detected.

Bio-available nitrogen and total nitrogen concentrations decreased to 0.7 mg/L and 0.75 mg/L, respectively. Phosphorus concentration remained at a moderate level of 0.038 mg/L. As with the other lakes, ammonia was moderate in concentration at 0.19 mg/L. At ambient temperature and pH, no toxicity issues would result. No signs of fish stress were observed.

Waterfowl mean density was 3 birds per acre (3/A) which is considered poor (Arizona Game & Fish Department rating system shown below). No cormorants were noted. Adult midge flies did not appear to produce any nuisance issues to lakeside residents or visitors.

Midge fly density was low (<40/m²) and should produce no issues to lakeside residents or visitors.

The mean TSI value was 56, down two (2) units from the April 2025 evaluation. The lake remained in the slightly eutrophic category. Traditionally, such lakes may have decreased transparency, low deep water oxygen concentrations during the summer and submerged macrophyte issues. However, lake management procedures as lake dye addition, aeration, and herbivorous fish stocking reduce potential for negative effects.

The *E. coli* concentration was 260 MPN/100 mL. The maximum bacteria level for full body contact (FBC=swimming) and partial body contact (PBC=fishing and boating) recreation, is 126/100 mL (30-day geometric mean).

The Lake Report Card value for June 2025 was 45; up one (1) unit from April 2025, and remained in the “good” category.

Lakes 1-4

Lake 1 had a moderate pH (8.4-8.6 SU) and adequate oxygen concentration (6.6-7.1 mg/L) to support the fishery. Water temperature ranged from 30.8-31.5 C. The lake was fairly clear with turbidity at 4.5 NTU. The dominant alga was *Chlorella*, a green (*Chlorophyta*). No golden algae or related species were observed. No issues with algae, weeds, or fish occurred.



Chlorella

Lake 2 had a moderate pH (8.2-8.5 SU) and adequate oxygen concentration (6.0-8.7 mg/L) to support the fishery. Water temperature ranged from 31.8-32.8 C. The lake was fairly clear with turbidity at 7.9 NTU. The dominant alga was the diatom (*Bacillariophyta*) unicell, *Navicula*. No golden algae or related species were observed and no issues with other algae, submerged weeds, or fish occurred.

Lake 3 pH ranged from 8.4 to 8.5 SU. The oxygen concentration ranged from 6.2 to 7.9 mg/L and supported the fishery. Temperature ranged from 31.6-31.9 C. Lake water was fairly clear with turbidity measuring 5.7 NTU. The dominant algae was *Anabaena* (a blue-green filament). No golden algae or related species were observed. No issues with algae, weeds, or fish occurred.

Lake 4 pH ranged from 8.2 to 8.5 SU. The oxygen concentration ranged from 6.8-7.5 mg/L and supported the fishery. Temperature ranged from 32.2 to 32.8 C. Lake clarity was diminished with turbidity of 12.8 NTU. No golden algae was observed. The dominant alga was the Cryptophyta unicell, *Chroomonas*.

Next Month:

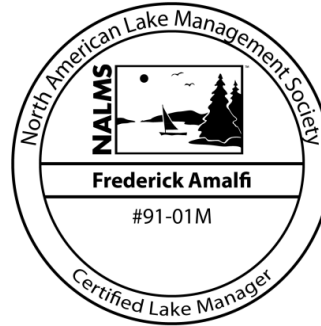
Lakes 1-4 are scheduled for comprehensive monitoring in July. All lakes will be visually inspected and field data collected two times during the month and checked for golden algae weekly during the end of its season.

Respectfully:

Aquatic Consulting & Testing, Inc.



Frederick A. Amalfi, Ph.D., C.L.M.



SUPPORTING DOCUMENTATION

- Laboratory reports
- Field Inspection Sheets
- Pesticide application documents

DOBSON RANCH REPORT CARD

| | | | | | | | | | |
|----------------------|----------------------|---------------|-------------|-------------|-----------|-----------|-----------|-----------|-----------|
| DATE OF EVALUATION: | Jun-25 | CONDITION | GOOD | SCORE | 45 | 48 | 47 | 45 | |
| PREVIOUS EVALUATION: | Last complete | Apr-25 | CONDITION | GOOD | SCORE | 46 | 41 | 46 | 44 |

| CONDITION | RATIONALE | 4 pts | 3 pts | 2 pts | 1 pt | SCORE | SCORE | SCORE | SCORE |
|-----------------------------|--|---|--|---|---|--------|--------|--------|--------|
| | | EXCELLENT | GOOD | FAIR | POOR | Lake 5 | Lake 6 | Lake 7 | Lake 8 |
| Transparency - SDz (m) avg. | aesthetics | 1.5-2.0 | 1.0-1.4 | 0.5-0.9 | <0.5 | 2 | 2 | 3 | 3 |
| Dissolved oxygen (mg/L) @1m | aquatic life, sediment nutrient release, odors | >7.0 | 5.6-6.9 | 4.0-5.5 | <4.0 | 4 | 4 | 4 | 4 |
| Nitrogen, total (mg/L) | algae and macrophyte growth | <0.5 | 0.5-1.0 | 1.0-2.0 | >2.0 | 2 | 3 | 3 | 3 |
| Phosphorus, total (mg/L) | algae and macrophyte growth | <0.03 | 0.03-0.05 | 0.06-0.10 | >0.10 | 3 | 4 | 3 | 3 |
| Turbidity (NTU) avg. | aesthetics, State std | <5 | 5-10 | 11-20 | >20 | 3 | 3 | 4 | 4 |
| Chlorophyll-a (ug/L) avg. | aesthetics, oxygen balance | <10 | 11-20 | 21-30 | >30 | 4 | 4 | 3 | 3 |
| Algae density (no./mL) | aesthetics | <5 x 10 ⁴ | 5x10 ⁴ - 9x10 ⁴ | 1 x 10 ⁵ -5x 10 ⁵ | >5 x 10 ⁵ | 4 | 4 | 4 | 4 |
| Midge larvae (# per sq m) | aesthetics | <200 | 200-400 | 500-800 | >800 | 4 | 4 | 4 | 4 |
| Algae form (dominant) | aesthetics, treatability | greens; no floating mats | diatoms; no floating mats | blue-greens; no floating mats | blue-greens; floating mats common | 2 | 4 | 2 | 2 |
| pH (SU) avg. | swimming, fishery, ammonia toxicity | 6.5-8.0 | 8.1-8.5 | 8.6-9.0 | >9.0 | 3 | 3 | 2 | 2 |
| Carlson Trophic Status | eutrophication | <50 | 50-60 | 61-70 | >70 | 3 | 3 | 3 | 3 |
| Fishery | recreation, aesthetics | no fish piping; no fish kills | some fish piping, gulping; no fish kills | fish piping before dawn; occasional fish kills | fish piping common; fish kills common | 4 | 4 | 4 | 4 |
| Waterfowl (per acre mean) | Aesthetics, public health | <3 | 3-4 | 5-6 | >6 | 3 | 2 | 4 | 2 |
| Shoreline/banks | Minimal Filamentous Algae | no evidence of salt crusts or algal scums | some white deposits and scums | numerous patches of salt deposits and algae scums | most of lake shore covered with crusts or scums | 4 | 4 | 4 | 4 |

| | | | | |
|---------------------|-----------|-------|-------|------|
| SCORING KEY: | Excellent | Good | Fair | Poor |
| | 50-56 | 41-49 | 30-40 | <30 |

Definitions: Ratings

Excellent: Lake aesthetic and operational conditions above level of expectation.

Good: Lake aesthetic and operational conditions at level of expectation.

Fair: Lake aesthetic and operational conditions slightly below level of expectation.

Poor: Lake aesthetic and operational conditions considerably below level of expectation.

Definitions: Terms

Benthos: Bottom dwelling organisms

Carlson Trophic Index: A series of calculations incorporating transparency, chlorophyll and phosphorus data used to provide a quantitative estimate of the degree of eutrophication in a lake.

Chlorophyll: Pigment in green plants involved in photosynthesis used to estimate the density of algae in the water column.

Coliform bacteria: Enteric bacteria used as an indicator of the sanitary condition of the water.

Eutrophication: Process by which lakes age by increasing in nutrient (nitrogen and phosphorus) content and plant life.

Fecal bacteria: Any of the bacteria types provided by the fecal matter of warm-blooded organisms.

Macrophyte: Large plant, observable without the aid of a microscope, that may be floating, submerged or emergent.

Midge: Small, flying, non-biting "gnat-like" insect whose larval stage exists in the lake sediments (bloodworm).

N/A: not applicable; insufficient data or too early in development of lake (an arbitrary 3 rating is provided for these items).

pH: -log hydrogen ion conc.; amount of acid in the water identified on scale 1-14; 1 being most acid, 7 neutral, and 14 being most caustic.

Phytoplankton (algae): Microscopic plant fraction of the plankton community.

Piping: Act of fish coming to surface of water and capturing a bubble of air in their mouth; a sign of low oxygen concentrations.

Plankton: Organisms of relatively small size that have relatively small powers of locomotion or that drift in the water.

Sedimentation: Rate at which solids accumulate on the lake bottom.

Transparency (SDz): Depth to which a standard disk can be observed in the water column.

Turbidity: Degree to which particles and color in the water scatter light; the "cloudiness" of the water.

Zooplankton: Animal fraction of the plankton community

CLIENT: DOBSON RANCH

DATE: 05-Jun-25

| | LAKE | LAKE | LAKE | LAKE | | | |
|--------------------------|------|------|------|------|---------|--|--|
| PARAMETER | 5 | 6 | 7 | 8 | | | |
| Secchi Disk Depth (m) | 0.91 | 0.67 | 1.06 | 1.34 | | | |
| Phosphorus, total (ug/L) | 46 | 29 | 35 | 38 | | | |
| Chlorophyll-a (ug/L) | 1.9 | 5.5 | 14.4 | 13.4 | | | |
| | LAKE | LAKE | LAKE | LAKE | | | |
| TSI VALUES | 5 | 6 | 7 | 8 | | | |
| Secchi Disk Depth | 61 | 66 | 59 | 56 | | | |
| Phosphorus, total | 59 | 53 | 55 | 57 | | | |
| Chlorophyll-a | 37 | 47 | 57 | 56 | | | |
| | | | | | average | | |
| AVERAGE | 52 | 55 | 57 | 56 | 55 | | |

SYNOPSIS OF TROPHIC STATUS RESULTS:

Carlson Trophic Status Index (TSI): The classical interpretation of various Index value ranges is provided below:

- TSI<30 **Classic Oligotrophic**; clear water, oxygenated hypolimnion throughout the year; suitable for cold water fishery in deep lakes.
- TSI 30-40 **Oligotrophic**; shallow lakes may exhibit anoxic hypolimnion in summer.
- TSI 41-50 **Mesotrophic**; moderately clear water, increasing chance of anoxia in hypolimnion during the summer.
- TSI 51-60 **Slightly Eutrophic**; decreased transparency, anoxia in hypolimnion during the summer expected, macrophyte problems possible, warm water fishery only.
- TSI 61-70 **Eutrophic**; dominance of blue-green algae and algal scums probable, can have extensive macrophyte problems.
- TSI 70-80 **Highly Eutrophic**; heavy algal blooms, dense macrophyte beds possible, limited light penetration.
- TSI>80 **Hypereutrophic**; algal scums, summertime fish kills, limited light penetration, few macrophytes.

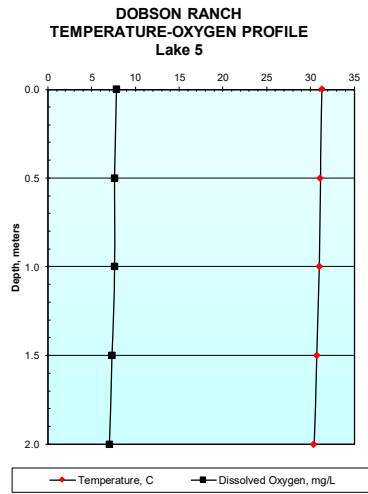
Aquatic Consulting & Testing, Inc.

Field Data for 06-05-25 Sampling Event

Aquatic Consulting & Testing, Inc.

DOBSON RANCH LAKE 5

| Depth_m | Temp_C | Oxygen_mg/L |
|---------|--------|-------------|
| 0.0 | 31.3 | 7.8 |
| 0.5 | 31.1 | 7.6 |
| 1.0 | 31.0 | 7.6 |
| 1.5 | 30.7 | 7.3 |
| 2.0 | 30.4 | 7.0 |

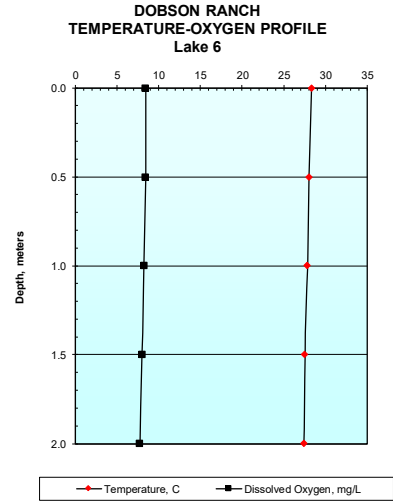


Field Data for 06-05-25 Sampling Event

Aquatic Consulting & Testing, Inc.

DOBSON RANCH LAKE 6

| Depth_m | Temp_C | Oxygen_mg/L |
|---------|--------|-------------|
| 0.0 | 28.3 | 8.4 |
| 0.5 | 28.0 | 8.4 |
| 1.0 | 27.8 | 8.2 |
| 1.5 | 27.5 | 8.0 |
| 2.0 | 27.4 | 7.7 |

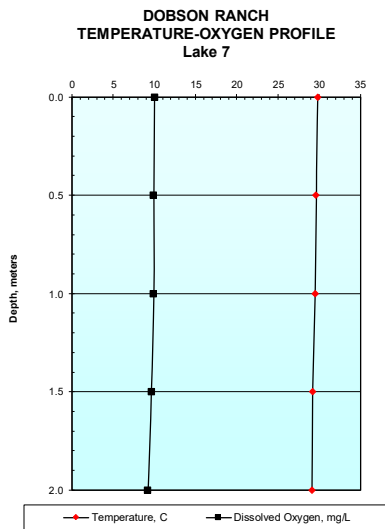


Field Data for 06-05-25 Sampling Event

Aquatic Consulting & Testing, Inc.

DOBSON RANCH LAKE 7

| Depth_m | Temp_C | Oxygen_mg/L |
|---------|--------|-------------|
| 0.0 | 29.8 | 10.0 |
| 0.5 | 29.6 | 9.9 |
| 1.0 | 29.5 | 9.9 |
| 1.5 | 29.2 | 9.6 |
| 2.0 | 29.1 | 9.2 |

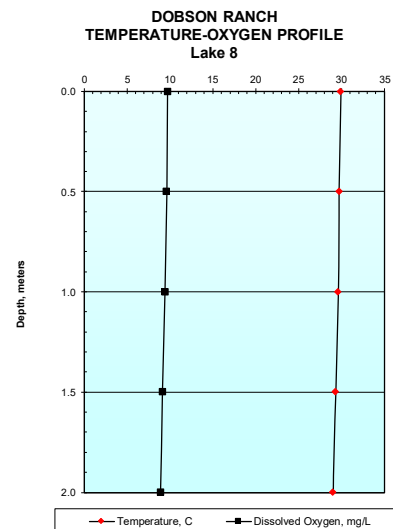


Field Data for 06-05-25 Sampling Event

Aquatic Consulting & Testing, Inc.

DOBSON RANCH LAKE 8

| Depth_m | Temp_C | Oxygen_mg/L |
|---------|--------|-------------|
| 0.0 | 29.9 | 9.7 |
| 0.5 | 29.7 | 9.6 |
| 1.0 | 29.6 | 9.4 |
| 1.5 | 29.3 | 9.1 |
| 2.0 | 29.0 | 8.9 |





AQUATIC CONSULTING & TESTING, INC.

1525 W. University Drive, Suite 106
P.O. Box 1510
Tempe, Arizona 85281
Phone: (480) 921-8044 • Fax: (480) 921-0049

Lic. No. AZ0003

LABORATORY REPORT

Client: Dobson Ranch Association
2719 South Reyes Road
Mesa, AZ 85202

Date Submitted: 06/05/25
Date Reported: 07/08/25

Attn: Executive Director

Project: Monthly Lake 5-8 Monitoring

RESULTS

Client ID: Lake 1
ACT Lab No.: CH03164

Sample Type: Surface Water
Sample Time: 06/05/25 13:10

| <u>Parameter</u> | <u>Analysis Date</u> | | <u>Method No.</u> | <u>Result</u> | <u>Unit</u> |
|-------------------------|----------------------|------------|-------------------|---------------|------------------------|
| | <u>Start</u> | <u>End</u> | | | |
| Oxygen, Dissolved Field | 06/05/25 | 06/05/25 | SM4500 O G | 7.1 | mg/L as O ₂ |
| pH, Field | 06/05/25 | 06/05/25 | SM4500H+ B | 8.4 | SU |
| Temperature, Field | 06/05/25 | 06/05/25 | SM2550 B | 30.6 | C |
| Turbidity | 06/05/25 | 06/05/25 | 180.1 | 4.8 | NTU |

Client ID: Lake 2
ACT Lab No.: CH03165

Sample Type: Surface Water
Sample Time: 06/05/25 13:15

| <u>Parameter</u> | <u>Analysis Date</u> | | <u>Method No.</u> | <u>Result</u> | <u>Unit</u> |
|-------------------------|----------------------|------------|-------------------|---------------|------------------------|
| | <u>Start</u> | <u>End</u> | | | |
| Oxygen, Dissolved Field | 06/05/25 | 06/05/25 | SM4500 O G | 8.7 | mg/L as O ₂ |
| pH, Field | 06/05/25 | 06/05/25 | SM4500H+ B | 8.2 | SU |
| Temperature, Field | 06/05/25 | 06/05/25 | SM2550 B | 31.8 | C |
| Turbidity | 06/05/25 | 06/05/25 | 180.1 | 8.2 | NTU |

Client ID: Lake 3
ACT Lab No.: CH03166

Sample Type: Surface Water
Sample Time: 06/05/25 13:20

| <u>Parameter</u> | <u>Analysis Date</u> | | <u>Method No.</u> | <u>Result</u> | <u>Unit</u> |
|-------------------------|----------------------|------------|-------------------|---------------|------------------------|
| | <u>Start</u> | <u>End</u> | | | |
| Oxygen, Dissolved Field | 06/05/25 | 06/05/25 | SM4500 O G | 7.9 | mg/L as O ₂ |
| pH, Field | 06/05/25 | 06/05/25 | SM4500H+ B | 8.4 | SU |
| Temperature, Field | 06/05/25 | 06/05/25 | SM2550 B | 31.6 | C |
| Turbidity | 06/05/25 | 06/05/25 | 180.1 | 11. | NTU |

RESULTS

Client ID: Lake 4
ACT Lab No.: CH03167

Sample Type: Surface Water
Sample Time: 06/05/25 13:25

| <u>Parameter</u> | <u>Analysis Date</u> | | <u>Method No.</u> | <u>Result</u> | <u>Unit</u> |
|-------------------------|----------------------|------------|-------------------|---------------|-------------|
| | <u>Start</u> | <u>End</u> | | | |
| Oxygen, Dissolved Field | 06/05/25 | 06/05/25 | SM4500 O G | 7.5 | mg/L as O2 |
| pH, Field | 06/05/25 | 06/05/25 | SM4500H+ B | 8.2 | SU |
| Temperature, Field | 06/05/25 | 06/05/25 | SM2550 B | 32.2 | C |
| Turbidity | 06/05/25 | 06/05/25 | 180.1 | 7.8 | NTU |

Client ID: Lake 5
ACT Lab No.: CH03168

Sample Type: Surface Water
Sample Time: 06/05/25 12:30

| <u>Parameter</u> | <u>Analysis Date</u> | | <u>Method No.</u> | <u>Result</u> | <u>Unit</u> |
|-------------------------|----------------------|------------|-------------------|---------------|---------------|
| | <u>Start</u> | <u>End</u> | | | |
| Algae Count | 06/14/25 | 06/14/25 | SM 10200 F | See Attached | cells/mL |
| Algae Identification | 06/14/25 | 06/14/25 | | See Attached | |
| Chl/Pheo Ratio | 07/08/25 | 07/08/25 | SM10200 H | 1.47 | |
| Chlorophyll a | 07/08/25 | 07/08/25 | SM10200 H | 1.87 | ug/L |
| Pheophytin a | 07/08/25 | 07/08/25 | SM10200 H | 0.91 | ug/L |
| Oxygen, Dissolved Field | 06/05/25 | 06/05/25 | SM4500 O G | 7.6 | mg/L as O2 |
| pH, Field | 06/05/25 | 06/05/25 | SM4500H+ B | 8.1 | SU |
| Temperature, Field | 06/05/25 | 06/05/25 | SM2550 B | 31.0 | C |
| Alkalinity, Total | 06/18/25 | 06/18/25 | SM 2320 B | 128 | mg/L as CaCO3 |
| Ammonia - N | 06/21/25 | 06/21/25 | SM4500NH3 D | 0.18 | mg/L as N |
| Nitrate + Nitrite - N | 07/01/25 | 07/01/25 | SM4500NO3 E | 0.07 | mg/L as N |
| Phosphorus, Total | 06/28/25 | 06/28/25 | 365.3 | 0.046 | mg/L as P |
| Total Hardness | 06/09/25 | 06/09/25 | SM2340C | 169 | mg/L as CaCO3 |
| Total Kjeldahl Nitrogen | 06/13/25 | 06/14/25 | SMNorg C,NH3 C/D | 0.6 | mg/L as N |
| E. coli, Colilert | 06/05/25 | 06/06/25 | SM 9223 B | 47 | MPN/100 mL |
| Total Dissolved Solids | 06/09/25 | 06/11/25 | SM2540 C | 744 | mg/L |
| Turbidity | 06/05/25 | 06/05/25 | 180.1 | 6.2 | NTU |

RESULTS

Client ID: Lake 6
ACT Lab No.: CH03169

Sample Type: Surface Water
Sample Time: 06/05/25 12:40

| <u>Parameter</u> | <u>Analysis Date</u> | | <u>Method No.</u> | <u>Result</u> | <u>Unit</u> |
|-------------------------|----------------------|------------|-------------------|---------------|---------------|
| | <u>Start</u> | <u>End</u> | | | |
| Algae Count | 06/14/25 | 06/14/25 | SM 10200 F | See Attached | cells/mL |
| Algae Identification | 06/14/25 | 06/14/25 | | See Attached | |
| Chl/Pheo Ratio | 07/08/25 | 07/08/25 | SM10200 H | 1.64 | |
| Chlorophyll a | 07/08/25 | 07/08/25 | SM10200 H | 5.49 | ug/L |
| Pheophytin a | 07/08/25 | 07/08/25 | SM10200 H | 0.49 | ug/L |
| Oxygen, Dissolved Field | 06/05/25 | 06/05/25 | SM4500 O G | 8.2 | mg/L as O2 |
| pH, Field | 06/05/25 | 06/05/25 | SM4500H+ B | 8.4 | SU |
| Temperature, Field | 06/05/25 | 06/05/25 | SM2550 B | 27.8 | C |
| Alkalinity, Total | 06/18/25 | 06/18/25 | SM 2320 B | 128 | mg/L as CaCO3 |
| Ammonia - N | 06/21/25 | 06/21/25 | SM4500NH3 D | 0.19 | mg/L as N |
| Nitrate + Nitrite - N | 07/01/25 | 07/01/25 | SM4500NO3 E | <0.05 | mg/L as N |
| Phosphorus, Total | 06/28/25 | 06/28/25 | 365.3 | 0.029 | mg/L as P |
| Total Hardness | 06/09/25 | 06/09/25 | SM2340C | 169 | mg/L as CaCO3 |
| Total Kjeldahl Nitrogen | 06/13/25 | 06/14/25 | SMNorg C,NH3 C/D | 0.6 | mg/L as N |
| E. coli, Colilert | 06/05/25 | 06/06/25 | SM 9223 B | 29 | MPN/100 mL |
| Total Dissolved Solids | 06/09/25 | 06/11/25 | SM2540 C | 664 | mg/L |
| Turbidity | 06/05/25 | 06/05/25 | 180.1 | 5.1 | NTU |

RESULTS

Client ID: Lake 7
ACT Lab No.: CH03170

Sample Type: Surface Water
Sample Time: 06/05/25 12:50

| <u>Parameter</u> | <u>Analysis Date</u> | | <u>Method No.</u> | <u>Result</u> | <u>Unit</u> |
|-------------------------|----------------------|------------|-------------------|---------------|---------------|
| | <u>Start</u> | <u>End</u> | | | |
| Algae Count | 06/14/25 | 06/14/25 | SM 10200 F | See Attached | cells/mL |
| Algae Identification | 06/14/25 | 06/14/25 | | See Attached | |
| Chl/Pheo Ratio | 07/08/25 | 07/08/25 | SM10200 H | 1.69 | |
| Chlorophyll a | 07/08/25 | 07/08/25 | SM10200 H | 14.4 | ug/L |
| Pheophytin a | 07/08/25 | 07/08/25 | SM10200 H | 0.16 | ug/L |
| Oxygen, Dissolved Field | 06/05/25 | 06/05/25 | SM4500 O G | 9.0 | mg/L as O2 |
| pH, Field | 06/05/25 | 06/05/25 | SM4500H+ B | 9.0 | SU |
| Temperature, Field | 06/05/25 | 06/05/25 | SM2550 B | 29.5 | C |
| Alkalinity, Total | 06/18/25 | 06/18/25 | SM 2320 B | 108 | mg/L as CaCO3 |
| Ammonia - N | 06/21/25 | 06/21/25 | SM4500NH3 D | 0.18 | mg/L as N |
| Nitrate + Nitrite - N | 07/01/25 | 07/01/25 | SM4500NO3 E | <0.05 | mg/L as N |
| Phosphorus, Total | 06/28/25 | 06/28/25 | 365.3 | 0.035 | mg/L as P |
| Total Hardness | 06/09/25 | 06/09/25 | SM2340C | 192 | mg/L as CaCO3 |
| Total Kjeldahl Nitrogen | 06/13/25 | 06/14/25 | SMNorg C,NH3 C/D | 0.8 | mg/L as N |
| E. coli, Colilert | 06/05/25 | 06/06/25 | SM 9223 B | 30 | MPN/100 mL |
| Total Dissolved Solids | 06/09/25 | 06/11/25 | SM2540 C | 996 | mg/L |
| Turbidity | 06/05/25 | 06/05/25 | 180.1 | 4.3 | NTU |

RESULTS

Client ID: Lake 8
ACT Lab No.: CH03171

Sample Type: Surface Water
Sample Time: 06/05/25 13:00

| Parameter | Analysis Date | | Method No. | Result | Unit |
|-------------------------|---------------|----------|------------------|--------------|---------------|
| | Start | End | | | |
| Algae Count | 06/14/25 | 06/14/25 | SM 10200 F | See Attached | cells/mL |
| Algae Identification | 06/14/25 | 06/14/25 | | See Attached | |
| Chl/Pheo Ratio | 07/08/25 | 07/08/25 | SM10200 H | 1.69 | |
| Chlorophyll a | 07/08/25 | 07/08/25 | SM10200 H | 13.4 | ug/L |
| Pheophytin a | 07/08/25 | 07/08/25 | SM10200 H | 0.24 | ug/L |
| Oxygen, Dissolved Field | 06/05/25 | 06/05/25 | SM4500 O G | 9.4 | mg/L as O2 |
| pH, Field | 06/05/25 | 06/05/25 | SM4500H+ B | 8.6 | SU |
| Temperature, Field | 06/05/25 | 06/05/25 | SM2550 B | 29.6 | C |
| Alkalinity, Total | 06/18/25 | 06/18/25 | SM 2320 B | 128 | mg/L as CaCO3 |
| Ammonia - N | 06/21/25 | 06/21/25 | SM4500NH3 D | 0.19 | mg/L as N |
| Nitrate + Nitrite - N | 07/01/25 | 07/01/25 | SM4500NO3 E | <0.05 | mg/L as N |
| Phosphorus, Total | 06/28/25 | 06/28/25 | 365.3 | 0.038 | mg/L as P |
| Total Hardness | 06/09/25 | 06/09/25 | SM2340C | 246 | mg/L as CaCO3 |
| Total Kjeldahl Nitrogen | 06/13/25 | 06/14/25 | SMNorg C,NH3 C/D | 0.7 | mg/L as N |
| E. coli, Colilert | 06/05/25 | 06/06/25 | SM 9223 B | 260 | MPN/100 mL |
| Total Dissolved Solids | 06/09/25 | 06/11/25 | SM2540 C | 1340 | mg/L |
| Turbidity | 06/05/25 | 06/05/25 | 180.1 | 3.0 | NTU |

Reviewed by:



Frederick A. Amalfi, Ph.D.

Laboratory Director

ALGAE IDENTIFICATION

| | | | |
|--------------|---------------|----------------|----------|
| AC&T Lab No. | June Sample 5 | Date Collected | 06/19/25 |
| Client I.D. | Lake 5 | Collected By | AC&T |

Divisions: bac=Bacillariophyta; chl=Chlorophyta; cry=Chrysophyta; cyn=Cyanophyta; eug=Euglenophyta; hap=Haptophyta; pyr=Pyrrhophyta
Forms: u=unicell; c=colony; f=filament; g= flagellate

| Genus | Div.-Form | Rel. Count | Total per mL | Comp. | Genus | Div.-Form | Rel. Count | Total per mL. | Comp |
|---------------------------|-----------|------------|--------------|--------|----------------------------|-----------|------------|---------------|--------|
| <i>Achnanthes</i> | bac-u | | | | <i>Microcystis</i> | cyn-c | | | |
| <i>Anabaena</i> | cyn-f | | | | <i>Microspora</i> | chl-f | | | |
| <i>Ankistrodesmus</i> | chl-u | | | | <i>Mougeotia</i> | chl-f | | | |
| <i>Aphanocapsa</i> | cyn-c | | | | <i>Navicula</i> | bac-u | 5 | 102 | 6.94% |
| <i>Asterionella</i> | bac-c | | | | <i>Nitzschia</i> | bac-u | 1 | 20 | 1.39% |
| <i>Botryococcus</i> | chl-c | | | | <i>Oocystis</i> | chl-c | | | |
| <i>Carteria</i> | chl-ug | | | | <i>Oscillatoria</i> | cyn-f | 25 | 511 | 34.72% |
| <i>Cephalomonas</i> | chl-ug | | | | <i>Palmellococcus</i> | chl-u | | | |
| <i>Chaetoceros</i> | cry-f | | | | <i>Pediastrum</i> | chl-c | | | |
| <i>Chlamydomonas</i> | chl-ug | | | | <i>Peridinium</i> | pyr-ug | | | |
| <i>Chlorella</i> | chl-u | 1 | 20 | 1.39% | <i>Phacotus</i> | chl-ug | | | |
| <i>Chlorococcum</i> | chl-c | | | | <i>Phacus</i> | chl-ug | | | |
| <i>Chroococcus</i> | cyn-c | 2 | 41 | 2.78% | <i>Pinnularia</i> | bac-u | | | |
| <i>Chroomonas</i> | crp-ug | | | | <i>Pithophora</i> | chl-f | | | |
| <i>Closterium</i> | chl-u | | | | <i>Prymnesium</i> | hap-ug | | | |
| <i>Cocconeis</i> | bac-u | | | | <i>Pseudokirchneriella</i> | chl-u | | | |
| <i>Coelastrum</i> | chl-c | 16 | 327 | 22.22% | <i>Rhizoclonium</i> | chl-f | | | |
| <i>Cosmarium</i> | chl-u | | | | <i>Rhoicosphenia</i> | bac-u | | | |
| <i>Cosmocladium</i> | chl-c | | | | <i>Rhopalodia</i> | bac-u | | | |
| <i>Crucigenia</i> | chl-c | | | | <i>Scenedesmus</i> | chl-c | 16 | 327 | 22.22% |
| <i>Cryptomonas</i> | crp-ug | | | | <i>Schroederia</i> | chl-u | 3 | 61 | 4.17% |
| <i>Cyclotella</i> | bac-u | | | | <i>Sphaerocystis</i> | chl-c | | | |
| <i>Cymbella</i> | bac-u | 1 | 20 | 1.39% | <i>Spondylumorum</i> | chl-c | | | |
| <i>Diatoma</i> | bac-u | | | | <i>Spirulina</i> | cyn-f | | | |
| <i>Denticula</i> | cry-u | | | | <i>Stauroneis</i> | bac-u | | | |
| <i>Dunaliella</i> | chl-u | | | | <i>Stephanodiscus</i> | bac-u | | | |
| <i>Epithemia</i> | bac-u | | | | <i>Stigeoclonium</i> | chl-f | | | |
| <i>Euglena</i> | eug-ug | | | | <i>Surirella</i> | bac-u | 1 | 20 | 1.39% |
| <i>Fragilaria</i> | bac-u | | | | <i>Synechococcus</i> | cyn-u | | | |
| <i>Frustulia</i> | bac-u | | | | <i>Synechocystis</i> | cyn-c | | | |
| <i>Glenodinium</i> | pyr-ug | | | | <i>Synedra</i> | bac-u | 1 | 20 | 1.39% |
| <i>Golenkinia</i> | chl-c | | | | <i>Synura</i> | cry-cg | | | |
| <i>Gomphonema</i> | bac-u | | | | <i>Tetraedron</i> | chl-u | | | |
| <i>Gonium</i> | chl-cg | | | | <i>Tetrastrum</i> | chl-c | | | |
| <i>Gonyaulax</i> | pyr-ug | | | | <i>Trachelomonas</i> | eug-ug | | | |
| <i>Gymnodinium</i> | pyr-ug | | | | <i>Vaucheria</i> | chl-f | | | |
| <i>Hydrodictyon</i> | chl-c | | | | <i>Volvox</i> | chl-cg | | | |
| <i>Lyngbya</i> | cyn-f | | | | <i>Zygnema</i> | chl-f | | | |
| <i>Melosira</i> | bac-f | | | | | | | | |
| <i>Meridion</i> | bac-u | | | | | | | | |
| <i>Merismopedia</i> | cyn-c | | | | | | | | |

check 100.00%

Aquatic Consulting & Testing, Inc.
1525 W. University Dr., Suite 106
Tempe, Arizona 85281

Count (cells/mL) 1.47E+03

ALGAE IDENTIFICATION

| | | | |
|--------------|---------------|----------------|----------|
| AC&T Lab No. | June Sample 6 | Date Collected | 06/19/25 |
| Client I.D. | Lake 6 | Collected By | AC&T |

Divisions: bac=Bacillariophyta; chl=Chlorophyta; cry=Chrysophyta; cyn=Cyanophyta; eug=Euglenophyta; hap=Haptophyta; pyr=Pyrrhophyta
Forms: u=unicell; c=colony; f=filament; g= flagellate

| Genus | Div.-Form | Rel. Count | Total per mL | Comp. | Genus | Div.-Form | Rel. Count | Total per mL. | Comp |
|------------------------------|-----------|------------|--------------|--------|----------------------------|-----------|------------|---------------|--------|
| <i>Achnanthes</i> | bac-u | | | | <i>Microcystis</i> | cyn-c | | | |
| <i>Anabaena</i> | cyn-f | | | | <i>Microspora</i> | chl-f | | | |
| <i>Ankistrodesmus</i> | chl-u | 1 | 131 | 1.00% | <i>Mougeotia</i> | chl-f | | | |
| <i>Aphanocapsa</i> | cyn-c | | | | <i>Navicula</i> | bac-u | | | |
| <i>Asterionella</i> | bac-c | | | | <i>Nitzschia</i> | bac-u | | | |
| <i>Botryococcus</i> | chl-c | | | | <i>Oocystis</i> | chl-c | | | |
| <i>Carteria</i> | chl-ug | | | | <i>Oscillatoria</i> | cyn-f | | | |
| <i>Cephalomonas</i> | chl-ug | | | | <i>Palmellococcus</i> | chl-u | | | |
| <i>Chaetoceros</i> | cry-f | | | | <i>Pediastrum</i> | chl-c | 8 | 1052 | 8.00% |
| <i>Chlamydomonas</i> | chl-ug | | | | <i>Peridinium</i> | pyr-ug | | | |
| <i>Chlorella</i> | chl-u | 3 | 394 | 3.00% | <i>Phacotus</i> | chl-ug | | | |
| <i>Chlorococcum</i> | chl-c | | | | <i>Phacus</i> | chl-ug | | | |
| <i>Chroococcus</i> | cyn-c | 4 | 526 | 4.00% | <i>Pinnularia</i> | bac-u | | | |
| <i>Chroomonas</i> | crp-ug | | | | <i>Pithophora</i> | chl-f | | | |
| <i>Closterium</i> | chl-u | | | | <i>Prymnesium</i> | hap-ug | | | |
| <i>Cocconeis</i> | bac-u | | | | <i>Pseudokirchneriella</i> | chl-u | | | |
| <i>Coelastrum</i> | chl-c | 8 | 1052 | 8.00% | <i>Rhizoclonium</i> | chl-f | | | |
| <i>Cosmarium</i> | chl-u | 4 | 526 | 4.00% | <i>Rhoicosphenia</i> | bac-u | | | |
| <i>Cosmocladium</i> | chl-c | | | | <i>Rhopalodia</i> | bac-u | | | |
| <i>Crucigenia</i> | chl-c | | | | <i>Scenedesmus</i> | chl-c | 4 | 526 | 4.00% |
| <i>Cryptomonas</i> | crp-ug | | | | <i>Selenastrum</i> | chl-u | 1 | 131 | 1.00% |
| <i>Cyclotella</i> | bac-u | | | | <i>Schroederia</i> | chl-u | 1 | 131 | 1.00% |
| <i>Cymbella</i> | bac-u | 3 | 394 | 3.00% | <i>Spondylumorum</i> | chl-c | | | |
| <i>Diatoma</i> | bac-u | | | | <i>Spirulina</i> | cyn-f | | | |
| <i>Denticula</i> | cry-u | | | | <i>Stauroneis</i> | bac-u | | | |
| <i>Dunaliella</i> | chl-u | | | | <i>Stephanodiscus</i> | bac-u | | | |
| <i>Epithemia</i> | bac-u | | | | <i>Stigeoclonium</i> | chl-f | | | |
| <i>Euglena</i> | eug-ug | | | | <i>Surirella</i> | bac-u | | | |
| <i>Fragilaria</i> | bac-u | | | | <i>Synechococcus</i> | cyn-u | | | |
| <i>Frustulia</i> | bac-u | | | | <i>Synechocystis</i> | cyn-c | | | |
| <i>Glenodinium</i> | pyr-ug | | | | <i>Synedra</i> | bac-u | 45 | 5917 | 45.00% |
| <i>Golenkinia</i> | chl-c | | | | <i>Synura</i> | cry-cg | | | |
| <i>Gomphonema</i> | bac-u | | | | <i>Tetraedron</i> | chl-u | | | |
| <i>Gonium</i> | chl-cg | | | | <i>Tetrastrum</i> | chl-c | | | |
| <i>Gonyaulax</i> | pyr-ug | | | | <i>Trachelomonas</i> | eug-ug | | | |
| <i>Gymnodinium</i> | pyr-ug | | | | <i>Vaucheria</i> | chl-f | | | |
| <i>Hydrodictyon</i> | chl-c | | | | <i>Volvox</i> | chl-cg | | | |
| <i>Lyngbya</i> | cyn-f | | | | <i>Zygnema</i> | chl-f | | | |
| <i>Melosira</i> | bac-f | | | | | | | | |
| <i>Meridion</i> | bac-u | | | | | | | | |
| <i>Merismopedia</i> | cyn-c | 18 | 2367 | 18.00% | | | | | |

check 100.00%

Aquatic Consulting & Testing, Inc.
1525 W. University Dr., Suite 106
Tempe, Arizona 85281

Count (cells/mL) 1.31E+04

ALGAE IDENTIFICATION

| | | | |
|--------------|---------------|----------------|----------|
| AC&T Lab No. | June Sample 7 | Date Collected | 06/19/25 |
| Client I.D. | Lake 7 | Collected By | AC&T |

Divisions: bac=Bacillariophyta; chl=Chlorophyta; cry=Chrysophyta; cyn=Cyanophyta; eug=Euglenophyta; hap=Haptophyta; pyr=Pyrrhophyta
Forms: u=unicell; c=colony; f=filament; g= flagellate

| Genus | Div.-Form | Rel. Count | Total per mL | Comp. | Genus | Div.-Form | Rel. Count | Total per mL. | Comp |
|-----------------------|-----------|------------|--------------|--------|----------------------------|-----------|------------|---------------|--------|
| <i>Achnanthes</i> | bac-u | | | | Microcystis | cyn-c | 23 | 5293 | 19.17% |
| <i>Anabaena</i> | cyn-f | | | | <i>Microspora</i> | chl-f | | | |
| <i>Ankistrodesmus</i> | chl-u | | | | <i>Mougeotia</i> | chl-f | | | |
| <i>Aphanocapsa</i> | cyn-c | | | | <i>Navicula</i> | bac-u | | | |
| <i>Asterionella</i> | bac-c | | | | <i>Nitzschia</i> | bac-u | | | |
| <i>Botryococcus</i> | chl-c | | | | <i>Oocystis</i> | chl-c | | | |
| <i>Carteria</i> | chl-ug | | | | Oscillatoria | cyn-f | 40 | 9204 | 33.33% |
| <i>Cephalomonas</i> | chl-ug | | | | <i>Palmellococcus</i> | chl-u | | | |
| <i>Chaetoceros</i> | cry-f | | | | <i>Pediastrum</i> | chl-c | | | |
| Chlamydomonas | chl-ug | 7 | 1611 | 5.83% | <i>Peridinium</i> | pyr-ug | | | |
| Chlorella | chl-u | 7 | 1611 | 5.83% | <i>Phacotus</i> | chl-ug | | | |
| <i>Chlorococcum</i> | chl-c | | | | <i>Phacus</i> | chl-ug | | | |
| Chroococcus | cyn-c | 2 | 460 | 1.67% | <i>Pinnularia</i> | bac-u | | | |
| <i>Chroomonas</i> | crp-ug | | | | <i>Pithophora</i> | chl-f | | | |
| <i>Closterium</i> | chl-u | | | | <i>Prymnesium</i> | hap-ug | | | |
| <i>Cocconeis</i> | bac-u | | | | <i>Pseudokirchneriella</i> | chl-u | | | |
| <i>Coelastrum</i> | chl-c | | | | <i>Rhizoclonium</i> | chl-f | | | |
| <i>Cosmarium</i> | chl-u | | | | <i>Rhoicosphenia</i> | bac-u | | | |
| <i>Cosmocladium</i> | chl-c | | | | <i>Rhopalodia</i> | bac-u | | | |
| <i>Crucigenia</i> | chl-c | | | | <i>Scenedesmus</i> | chl-c | | | |
| <i>Cryptomonas</i> | crp-ug | | | | <i>Selenastrum</i> | chl-u | | | |
| <i>Cyclotella</i> | bac-u | | | | <i>Schroederia</i> | chl-u | | | |
| <i>Cymbella</i> | bac-u | | | | <i>Spondylumorum</i> | chl-c | | | |
| <i>Diatoma</i> | bac-u | | | | Spirulina | cyn-f | 1 | 230 | 0.83% |
| <i>Denticula</i> | cry-u | | | | <i>Stauroneis</i> | bac-u | | | |
| <i>Dunaliella</i> | chl-u | | | | <i>Stephanodiscus</i> | bac-u | | | |
| <i>Epithemia</i> | bac-u | | | | <i>Stigeoclonium</i> | chl-f | | | |
| <i>Euglena</i> | eug-ug | | | | <i>Surirella</i> | bac-u | | | |
| <i>Fragilaria</i> | bac-u | | | | <i>Synechococcus</i> | cyn-u | | | |
| <i>Frustulia</i> | bac-u | | | | <i>Synechocystis</i> | cyn-c | | | |
| <i>Glenodinium</i> | pyr-ug | | | | <i>Synedra</i> | bac-u | | | |
| <i>Golenkinia</i> | chl-c | | | | <i>Synura</i> | cry-cg | | | |
| <i>Gomphonema</i> | bac-u | | | | <i>Tetraedron</i> | chl-u | | | |
| <i>Gonium</i> | chl-cg | | | | <i>Tetrastrum</i> | chl-c | | | |
| <i>Gonyaulax</i> | pyr-ug | | | | <i>Trachelomonas</i> | eug-ug | | | |
| <i>Gymnodinium</i> | pyr-ug | | | | <i>Vaucheria</i> | chl-f | | | |
| <i>Hydrodictyon</i> | chl-c | | | | <i>Volvox</i> | chl-cg | | | |
| <i>Lyngbya</i> | cyn-f | | | | <i>Zygnema</i> | chl-f | | | |
| <i>Melosira</i> | bac-f | | | | | | | | |
| <i>Meridion</i> | bac-u | | | | | | | | |
| Merismopedia | cyn-c | 40 | 9204 | 33.33% | | | | | |

check 100.00%

Aquatic Consulting & Testing, Inc.
1525 W. University Dr., Suite 106
Tempe, Arizona 85281

Count (cells/mL) 2.76E+04

ALGAE IDENTIFICATION

| | | | |
|--------------|---------------|----------------|----------|
| AC&T Lab No. | June Sample 8 | Date Collected | 06/19/25 |
| Client I.D. | Lake 8 | Collected By | AC&T |

Divisions: bac=Bacillariophyta; chl=Chlorophyta; cry=Chrysophyta; cyn=Cyanophyta; eug=Euglenophyta; hap=Haptophyta; pyr=Pyrrhophyta
Forms: u=unicell; c=colony; f=filament; g= flagellate

| Genus | Div.-Form | Rel. Count | Total per mL | Comp. | Genus | Div.-Form | Rel. Count | Total per mL. | Comp |
|-----------------------|-----------|------------|--------------|--------|----------------------------|-----------|------------|---------------|--------|
| <i>Achnanthes</i> | bac-u | | | | Microcystis | cyn-c | 55 | 10125 | 42.97% |
| Anabaena | cyn-f | 8 | 1473 | 6.25% | <i>Microspora</i> | chl-f | | | |
| <i>Ankistrodesmus</i> | chl-u | | | | <i>Mougeotia</i> | chl-f | | | |
| <i>Aphanocapsa</i> | cyn-c | | | | <i>Navicula</i> | bac-u | | | |
| <i>Asterionella</i> | bac-c | | | | <i>Nitzschia</i> | bac-u | | | |
| <i>Botryococcus</i> | chl-c | | | | <i>Oocystis</i> | chl-c | | | |
| <i>Carteria</i> | chl-ug | | | | <i>Oscillatoria</i> | cyn-f | | | |
| <i>Cephalomonas</i> | chl-ug | | | | <i>Palmellococcus</i> | chl-u | | | |
| <i>Chaetoceros</i> | cry-f | | | | <i>Pediastrum</i> | chl-c | | | |
| Chlamydomonas | chl-ug | 24 | 4418 | 18.75% | <i>Peridinium</i> | pyr-ug | | | |
| Chlorella | chl-u | 6 | 1105 | 4.69% | <i>Phacotus</i> | chl-ug | | | |
| <i>Chlorococcum</i> | chl-c | | | | <i>Phacus</i> | chl-ug | | | |
| Chroococcus | cyn-c | 2 | 368 | 1.56% | <i>Pinnularia</i> | bac-u | | | |
| Chroomonas | crp-ug | 2 | 368 | 1.56% | <i>Pithophora</i> | chl-f | | | |
| <i>Closterium</i> | chl-u | | | | <i>Prymnesium</i> | hap-ug | | | |
| <i>Cocconeis</i> | bac-u | | | | <i>Pseudokirchneriella</i> | chl-u | | | |
| <i>Coelastrum</i> | chl-c | | | | <i>Rhizoclonium</i> | chl-f | | | |
| <i>Cosmarium</i> | chl-u | | | | <i>Rhoicosphenia</i> | bac-u | | | |
| <i>Cosmocladium</i> | chl-c | | | | <i>Rhopalodia</i> | bac-u | | | |
| <i>Crucigenia</i> | chl-c | | | | <i>Scenedesmus</i> | chl-c | | | |
| <i>Cryptomonas</i> | crp-ug | | | | <i>Selenastrum</i> | chl-u | | | |
| Cyclotella | bac-u | 1 | 184 | 0.78% | Schroederia | chl-u | 1 | 184 | 0.78% |
| <i>Cymbella</i> | bac-u | | | | <i>Spondylumorum</i> | chl-c | | | |
| <i>Diatoma</i> | bac-u | | | | Spirulina | cyn-f | 1 | 184 | 0.78% |
| <i>Denticula</i> | cry-u | | | | <i>Stauroneis</i> | bac-u | | | |
| <i>Dunaliella</i> | chl-u | | | | <i>Stephanodiscus</i> | bac-u | | | |
| <i>Epithemia</i> | bac-u | | | | <i>Stigeoclonium</i> | chl-f | | | |
| <i>Euglena</i> | eug-ug | | | | <i>Surirella</i> | bac-u | | | |
| <i>Fragilaria</i> | bac-u | | | | <i>Synechococcus</i> | cyn-u | | | |
| <i>Frustulia</i> | bac-u | | | | <i>Synechocystis</i> | cyn-c | | | |
| <i>Glenodinium</i> | pyr-ug | | | | <i>Synedra</i> | bac-u | | | |
| <i>Golenkinia</i> | chl-c | | | | <i>Synura</i> | cry-cg | | | |
| <i>Gomphonema</i> | bac-u | | | | <i>Tetraedron</i> | chl-u | | | |
| <i>Gonium</i> | chl-cg | | | | <i>Tetrastrum</i> | chl-c | | | |
| <i>Gonyaulax</i> | pyr-ug | | | | <i>Trachelomonas</i> | eug-ug | | | |
| <i>Gymnodinium</i> | pyr-ug | | | | <i>Vaucheria</i> | chl-f | | | |
| <i>Hydrodictyon</i> | chl-c | | | | <i>Volvox</i> | chl-cg | | | |
| <i>Lyngbya</i> | cyn-f | | | | <i>Zygnema</i> | chl-f | | | |
| <i>Melosira</i> | bac-f | | | | | | | | |
| <i>Meridion</i> | bac-u | | | | | | | | |
| Merismopedia | cyn-c | 28 | 5154 | 21.88% | | | | | |

check 100.00%

Aquatic Consulting & Testing, Inc.
1525 W. University Dr., Suite 106
Tempe, Arizona 85281

Count (cells/mL) 2.36E+04

Aquatic Consulting & Testing, Inc.
 1525 W. University Drive, Suite 106
 Tempe, AZ 85281
 480-921-8044 fax: 480-921-0049
 lab@aquaticconsulting.com

Chain of Custody

Client Project Info:
 Lake 5-8 Monthly Monitoring
 Dobson Ranch Association

| AC&T Client Reporting Information: | | AC&T Sampler: | | | | | | | | | | | | Sample Containers # / Preservation: | | | | | Page 1 of 1 | | | | | | |
|------------------------------------|---------|---------------|---------|-----|---------|----------|---------------|----------|------------|-----|---------|----------|----------------|-------------------------------------|------|-------------------------------------|----------------|-------------------|---------------|------------------|--------|-------|---|--------|------|
| Sample Location ID: | Date: | Time: | Matrix: | P-T | NO3+NO2 | TKN-Elec | Ammonia (NH3) | Hardness | Alkalinity | TDS | E. Coll | #Chl/Pho | Alage - ID + # | Golden algae | Turb | Field Measurements: pH, Temp, O2 | None Preserved | NA2S2O3 (Sterile) | HNO3 (Nitric) | H2SO4 (Sulfuric) | Lugols | Other | AC&T Laboratory Sample Identification | | |
| Lake 1 | 9/15/25 | 1310 | SW | | | | | | | | | | | | | X | 2 | | | | | | | CH0369 | |
| Lake 2 | | 1315 | SW | | | | | | | | | | | | | X | 2 | | | | | | | 3165 | |
| Lake 3 | | 1320 | SW | | | | | | | | | | | | | X | 2 | | | | | | | 3166 | |
| Lake 4 | | 1325 | SW | | | | | | | | | | | | | X | 2 | | | | | | | 3167 | |
| Lake 5 | | 1230 | SW | X | X | X | X | X | X | X | X | X | X | X | X | X | 3 | 1 | 1 | 1 | 1 | | | | 3168 |
| Lake 6 | | 1240 | SW | X | X | X | X | X | X | X | X | X | X | X | X | X | 3 | 1 | 1 | 1 | 1 | | | | 3169 |
| Lake 7 | | 1250 | SW | X | X | X | X | X | X | X | X | X | X | X | X | X | 3 | 1 | 1 | 1 | 1 | | | | 3170 |
| Lake 8 | | 1300 | SW | X | X | X | X | X | X | X | X | X | X | X | X | X | 3 | 1 | 1 | 1 | 1 | | | 3171 | |

| Project Location: | A C & T Sample Receipt: | | 3. RELINQUISHED BY: | | 4. RECEIVED BY: | |
|-------------------|-----------------------------|---|---------------------|-------------|-----------------|-------------|
| Dobson Ranch | Total # Containers: | 28 | Signature: | Amber | | Signature: |
| PO#: | Received Intact: | YES <input checked="" type="radio"/> NO <input type="radio"/> | Print Name: | Amber | | Print Name: |
| Lakes Contract | # Bottles Preserved: | 8 | Date: | 06-05-25 | | Date: |
| Notes: | Samples On Ice: | YES <input checked="" type="radio"/> WET <input type="radio"/> BLUE <input type="radio"/> | Time: | 1400 | | Time: |
| | Ice Type: | | Signature: | Bey Brandon | | Signature: |
| | Sample Receipt Temperature: | 25°C | Print Name: | Brandon | | Print Name: |
| | | | Date: | 6/5/25 | | Date: |

-008

DOBSON RANCH LAKES
Bi-Monthly Lake Inspection

Date: 6-6-25
By: JAD

| Lake | Temp | Dis. oxygen | pH | Clarity | Algae | Submerged weeds | Fish behavior | Waterfowl density | Insect activity | Mechanical issues |
|------|---------------|-----------------|---------------|---------------------------|--|--|--|--------------------------|--|--|
| 1 | <u>30.8</u> | <u>7.1</u> mg/L | <u>8.4</u> SU | <u>0.7</u> SDZ ___ NTU | <input checked="" type="checkbox"/> Suspended <input type="checkbox"/> Floating <input type="checkbox"/> Bottom <input type="checkbox"/> Attached | <input type="checkbox"/> Present <input checked="" type="checkbox"/> Absent | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Distress <input type="checkbox"/> Dead | No. <u>2</u> No/A ___ | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Infestation | Fountain <input checked="" type="checkbox"/> Operating <input type="checkbox"/> No service |
| 2 | <u>31.8</u> C | <u>8.7</u> mg/L | <u>8.2</u> SU | <u>0.7</u> SDZ ___ NTU | <input checked="" type="checkbox"/> Suspended <input type="checkbox"/> Floating <input type="checkbox"/> Bottom <input type="checkbox"/> Attached | <input type="checkbox"/> Present <input checked="" type="checkbox"/> Absent | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Distress <input type="checkbox"/> Dead | No. <u>0</u> No/A ___ | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Infestation | Fountain <input checked="" type="checkbox"/> Operating <input type="checkbox"/> No service |
| 3 | <u>31.6</u> C | <u>7.9</u> mg/L | <u>8.4</u> SU | <u>0.7</u> SDZ ___ NTU | <input checked="" type="checkbox"/> Suspended <input type="checkbox"/> Floating <input type="checkbox"/> Bottom <input type="checkbox"/> Attached | <input type="checkbox"/> Present <input checked="" type="checkbox"/> Absent | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Distress <input type="checkbox"/> Dead | No. <u>0</u> No/A ___ | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Infestation | Fountain <input type="checkbox"/> Operating <input checked="" type="checkbox"/> No service |
| 4 | <u>32.2</u> C | <u>7.5</u> mg/L | <u>8.2</u> SU | <u>0.7</u> SDZ ___ NTU | <input checked="" type="checkbox"/> Suspended <input type="checkbox"/> Floating <input type="checkbox"/> Bottom <input type="checkbox"/> Attached | <input type="checkbox"/> Present <input checked="" type="checkbox"/> Absent | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Distress <input type="checkbox"/> Dead | No. <u>3</u> No/A ___ | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Infestation | Fountain <input type="checkbox"/> Operating <input checked="" type="checkbox"/> No service |
| 5 | <u>21.8</u> C | <u>7.6</u> mg/L | <u>8.1</u> SU | <u>0.7</u> SDZ ___ NTU | <input checked="" type="checkbox"/> Suspended <input type="checkbox"/> Floating <input type="checkbox"/> Bottom <input type="checkbox"/> Attached | <input type="checkbox"/> Present <input checked="" type="checkbox"/> Absent | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Distress <input type="checkbox"/> Dead | No. <u>4</u> No/A ___ | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Infestation | |
| 6 | <u>22.8</u> C | <u>8.2</u> mg/L | <u>8.4</u> SU | <u>0.8</u> SDZ ___ NTU | <input checked="" type="checkbox"/> Suspended <input type="checkbox"/> Floating <input type="checkbox"/> Bottom <input type="checkbox"/> Attached | <input type="checkbox"/> Present <input checked="" type="checkbox"/> Absent | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Distress <input type="checkbox"/> Dead | No. <u>9</u> No/A ___ | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Infestation | |
| 7 | <u>29.8</u> C | <u>9.9</u> mg/L | <u>9.6</u> SU | <u>0.6</u> SDZ ___ NTU | <input checked="" type="checkbox"/> Suspended <input type="checkbox"/> Floating <input type="checkbox"/> Bottom <input type="checkbox"/> Attached | <input type="checkbox"/> Present <input checked="" type="checkbox"/> Absent | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Distress <input type="checkbox"/> Dead | No. <u>5</u> No/A ___ | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Infestation | Fountain <input checked="" type="checkbox"/> Operating <input type="checkbox"/> No service |
| 8 | <u>25.6</u> C | <u>9.4</u> mg/L | <u>8.6</u> SU | <u>0.5</u> SDZ ___ NTU | <input checked="" type="checkbox"/> Suspended <input type="checkbox"/> Floating <input type="checkbox"/> Bottom <input type="checkbox"/> Attached | <input type="checkbox"/> Present <input checked="" type="checkbox"/> Absent | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Distress <input type="checkbox"/> Dead | No. <u>5</u> No/A ___ | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Infestation | Aerators <input type="checkbox"/> Operating <input checked="" type="checkbox"/> No service |

low water
water low
low water
low water

Notes and recommendations for treatment/operation:
Lake 3 ft. algae N shoreline from low water - heavy

DOBSON RANCH LAKES Bi-Monthly Lake Inspection

Date: 06-19-25
By: JAD

| Lake | Temp | Dis. oxygen | pH | Clarity | Algae | Submerged weeds | Fish behavior | Waterfowl density | Insect activity | Mechanical issues |
|------|---------------|-----------------|--------------------------------|-----------------------|--|--|--|--------------------------|--|--|
| 1 | <u>31.5</u> C | <u>6.6</u> mg/L | <u>8.6</u> SU <u>8.5</u> SU | SDz ___ NTU | <input checked="" type="checkbox"/> Suspended <input type="checkbox"/> Floating <input type="checkbox"/> Bottom <input type="checkbox"/> Attached | <input type="checkbox"/> Present <input checked="" type="checkbox"/> Absent | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Distress <input type="checkbox"/> Dead | No. <u>5</u> No/A ___ | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Infestation | Fountain <input checked="" type="checkbox"/> Operating <input type="checkbox"/> No service |
| 2 | <u>32.8</u> C | <u>6.0</u> mg/L | <u>8.5</u> SU | SDz <u>1.9</u> NTU | <input checked="" type="checkbox"/> Suspended <input type="checkbox"/> Floating <input type="checkbox"/> Bottom <input type="checkbox"/> Attached | <input type="checkbox"/> Present <input checked="" type="checkbox"/> Absent | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Distress <input type="checkbox"/> Dead | No. <u>2</u> No/A ___ | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Infestation | Fountain <input checked="" type="checkbox"/> Operating <input type="checkbox"/> No service |
| 3 | <u>31.9</u> C | <u>6.2</u> mg/L | <u>8.5</u> SU | SDz <u>6.7</u> NTU | <input checked="" type="checkbox"/> Suspended <input type="checkbox"/> Floating <input type="checkbox"/> Bottom <input type="checkbox"/> Attached | <input type="checkbox"/> Present <input checked="" type="checkbox"/> Absent | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Distress <input type="checkbox"/> Dead | No. <u>2</u> No/A ___ | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Infestation | Fountain <input type="checkbox"/> Operating <input checked="" type="checkbox"/> No service |
| 4 | <u>32.2</u> C | <u>6.8</u> mg/L | <u>8.5</u> SU | SDz <u>7.8</u> NTU | <input checked="" type="checkbox"/> Suspended <input type="checkbox"/> Floating <input type="checkbox"/> Bottom <input type="checkbox"/> Attached | <input type="checkbox"/> Present <input checked="" type="checkbox"/> Absent | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Distress <input type="checkbox"/> Dead | No. <u>2</u> No/A ___ | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Infestation | Fountain <input type="checkbox"/> Operating <input checked="" type="checkbox"/> No service |
| 5 | <u>32.2</u> C | <u>5.6</u> mg/L | <u>8.3</u> SU | SDz <u>2.3</u> NTU | <input checked="" type="checkbox"/> Suspended <input type="checkbox"/> Floating <input type="checkbox"/> Bottom <input type="checkbox"/> Attached | <input type="checkbox"/> Present <input checked="" type="checkbox"/> Absent | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Distress <input type="checkbox"/> Dead | No. <u>3</u> No/A ___ | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Infestation | |
| 6 | <u>31.6</u> C | <u>5.9</u> mg/L | <u>8.7</u> SU | SDz <u>2.4</u> NTU | <input checked="" type="checkbox"/> Suspended <input type="checkbox"/> Floating <input type="checkbox"/> Bottom <input type="checkbox"/> Attached | <input type="checkbox"/> Present <input checked="" type="checkbox"/> Absent | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Distress <input type="checkbox"/> Dead | No. <u>0</u> No/A ___ | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Infestation | |
| 7 | <u>31.5</u> C | <u>7.2</u> mg/L | <u>9.0</u> SU | SDz <u>9.1</u> NTU | <input checked="" type="checkbox"/> Suspended <input type="checkbox"/> Floating <input type="checkbox"/> Bottom <input type="checkbox"/> Attached | <input type="checkbox"/> Present <input checked="" type="checkbox"/> Absent | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Distress <input type="checkbox"/> Dead | No. <u>7</u> No/A ___ | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Infestation | Fountain <input checked="" type="checkbox"/> Operating <input type="checkbox"/> No service |
| 8 | <u>30.3</u> C | <u>6.6</u> mg/L | <u>8.8</u> SU | SDz <u>1.2</u> NTU | <input checked="" type="checkbox"/> Suspended <input type="checkbox"/> Floating <input type="checkbox"/> Bottom <input type="checkbox"/> Attached | <input type="checkbox"/> Present <input checked="" type="checkbox"/> Absent | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Distress <input type="checkbox"/> Dead | No. <u>4</u> No/A ___ | <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Infestation | Aerators <input type="checkbox"/> Operating <input checked="" type="checkbox"/> No service |

Notes and recommendations for treatment/operation:
Lake levels v. low. Lake 6 Fil. algae starting along shoreline

Claw