AQUATIC CONSULTING & TESTING, INC.

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Lic. No. AZ0003

29 December 2023

Ms. Fran Pawlak, Executive Director
Dobson Ranch HOA
2719 South Reyes
Mesa, Arizona 85202

**December 2023 Lake Report**

The following abbreviated report presents the results of field inspections on the Dobson Ranch lakes for the month of December 2023. This report summarizes data collected under the revised program initiated in 2019 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. Therefore, this report provides visual inspection and field data for Lakes 1-8 completed during the month. Field sheets for the inspections are included. Additionally, special *E. coli* and total phosphorus data are presented for Lake 8.

## November 2023 Report Narrative Summary

The following pages provide a summary of the monthly survey results. A brief narrative description is provided for each lake.

### Lake 1

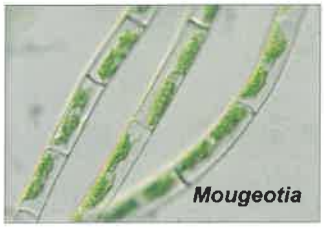
The Lake 1 temperature moved lower and ranged from a high of 14.7 C to a low of 13.8 C (67-57 F). Water pH ranged 8.2-8.3 SU indicating low to moderate algae density. Dissolved oxygen (9.6-11.3 mg/L) was satisfactory for the fishery and fish activity appeared normal. Transparency was consistent with the previous reporting period at over one meter and turbidity ranged from 3.4 to 4.0 NTU. Fountains were in service throughout the reporting period.

Waterfowl mean density was less than two birds per acre (<2/A) which is considered excellent (Arizona Game & Fish Department rating system shown below). No cormorants were noted. As would be expected during the winter, adult midge flies did not appear to produce any nuisance issues to lakeside residents or visitors.

**Waterfowl Density Ranking System (AZG&FD)**

| No. waterfowl per acre | Ranking |
|---|---|
| <3 | Excellent |
| 3-4 | Good |
| 5-6 | Fair |
| >6 | Poor |

No abnormal algae growth or submerged weeds were observed. Short filaments of the green (Chlorophyta) alga, *Mougeotia*, dominated the phytoplankton. Cell density was very low and no issues were encountered. No golden algae (*Prymnesium parvum* or related species) were detected.





## Lake 2

The water temperature of Lake 2 was 14.0-14.2 C (57-58 F). Water pH ranged from 8.0 to 8.2 SU indicating probable low algae density. Dissolved oxygen (9.8-10.0 mg/L) was satisfactory for the fishery and fish activity appeared normal. Transparency was approximately one meter and turbidity was typical at 4.0 to 6.6 NTU. Fountains were in operation.

About two (2) to three (3) waterfowl per acre were observed and the density is considered excellent for an urban lake. Adult midge flies did not appear to produce any nuisance issues to lakeside residents or visitors.

No abnormal algae growth or submerged weeds were observed. The dominant alga was *Mougeotia.* Total cell density was low in the lake. No golden algae (*Prymnesium parvum* or related species) were detected.

## Lake 3

Lake temperature range was 13.5 to 14.8 C (56-59 F). Water pH ranged from 8.2 to 8.3 SU. Dissolved oxygen concentration ranged from 10.1 to 10.2 mg/L and remained satisfactory for the fishery. Fish activity appeared normal. Transparency was stable at just under one meter. Turbidity was stable, ranging from 6.2 to 21.4 NTU. Fountains were operating throughout the reporting period.

Waterfowl density was about five (5) birds per acre; a "fair" rating. Minimal cormorants were observed. Increased numbers of waterfowl is expected during the migratory season. Adult midge flies did not appear to produce any nuisance issues o lakeside residents or visitors.

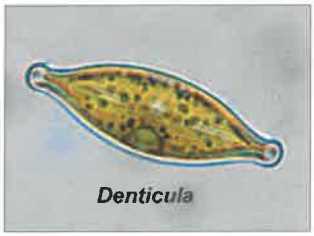
No abnormal algae growth or submerged weeds were observed. The dominant alga present in Lake 3 during the reporting period was *Mougeotia*. Filaments were very short and a very low total phytoplankton density prevented any problems. No golden algae (*Prymnesium parvum* or related species) were detected.

## Lake 4

The temperature of Lake 4 ranged between 13.3 and 13.6 C (56 F). Water pH was moderate at 8.2 SU and indicated a low to moderate algae density. Dissolved oxygen (10.1-10.3 mg/L) was satisfactory for the fishery and fish activity appeared normal. Transparency was slightly over one meter and turbidity remained low (4.8-7.4 NTU). Fountains were in operation.

Waterfowl density was two (2) to three (3) per acre which is considered excellent. No cormorant issues were reported. Adult midge flies did not appear to produce any nuisance issues to lakeside residents or visitors.

No abnormal algae growth or submerged weeds were observed. The lake was dominated by diatoms (*Denticula* and *Navicula* common). These algae are not likely to be problematic. Total phytoplankton density was relatively low. No golden algae (*Prymnesium parvum* or related species) were detected.


## Lake 5

Lake temperature ranged from 13.4 to 13.9 C (56-57 F) during the month. Water pH was 8.2-8.3 SU, indicative of a low to moderate algal density. Dissolved oxygen (9.6-10.6 mg/L) was more than satisfactory for the fishery and fish activity appeared normal. Transparency was just over one meter and turbidity ranged from 5.6 to 5.8 NTU.

Waterfowl density was about four (4) per acre; "good" by the AZG&F ranking system. Few cormorants were observed. Adult midge flies did not appear to produce any nuisance issues to lakeside residents or visitors.

No abnormal algae growth or submerged weeds were observed. As in Lake 4, the dominant algae were diatoms. The total cell density was very low. No golden algae (*Prymnesium parvum* or related species) were detected.

## Lake 6

The temperature of Lake 6 ranged from a high of 15.0 to a low of 13.3 C (59-56 F) during the reporting period. Water pH ranged from 8.5 – 8.7, indicating moderate algae density. Dissolved oxygen (10.7-13.3 mg/L) was more than satisfactory for the fishery and fish activity appeared normal. Turbidity was 13.4 NTU during the month and transparency was slightly less than one meter.

Waterfowl density ranged from eight (8) to 14 birds per acre which is considered "poor". Cormorants were occasionally observed. Adult midge flies did not appear to produce any nuisance issues to lakeside residents or visitors.

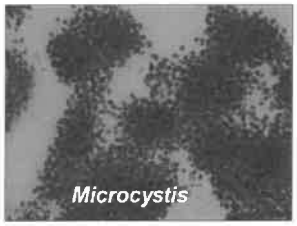
No abnormal algae growth (other than increased density) or submerged weeds were observed. The dominant alga was the green (Chlorophyta) filament, *Mougeotia*. The alga is not typically operationally problematic when in low concentrations. Short filaments prevented any issues. Golden algae (*Prymnesium parvum* or related species) were not detected.

## Lake 7

Lake temperature ranged from 14.1 to 15.1 C (57-59 F). Water pH ranged from 8.4 to 8.5 SU, indicating moderate algae density. Dissolved oxygen ranged from 9.8 to 10.4 mg/L and was more than satisfactory for the fishery. Fish activity appeared normal. Transparency was about one meter, with turbidity of 7.3-8.9 NTU. Fountains were in operation.

Waterfowl density was six (6) to seven (7) birds per surface acre; fair to poor according to the Arizona Game & Fish Department rating system. No cormorants were noted. Adult midge flies did not appear to produce any nuisance issues to lakeside residents or visitors.

The dominant suspended algae in the lake were colonies of blue-green (Cyanophyta), *Microcystis*. Density of algae was moderate so no major issues were encountered and lake clarity was not significantly affected. No golden algae were identified in the lake.


Microcystis

## Lake 8

Lake temperatures ranged from 13.6 to 14.6 C (56-58 F) during the month. Water pH was 8.3-8.5 SU. Dissolved oxygen concentration was 8.4-10.0 mg/L and was satisfactory for the fishery. Fish activity appeared normal. Transparency was about one meter and turbidity correspondingly measured 2.9 to 6.7 NTU. Aerators were in operation.

Waterfowl density was about five (5) to seven (7) birds per acre. This would equate to a fair to poor rating based on the Arizona Game & Fish Department rating system.

Cormorants were not observed. Adult midge flies did not appear to produce any nuisance issues to lakeside residents or visitors.

No submerged weeds were observed. The phytoplankton was dominated by zoospores (algae gametes). The zoospores are small, green, biflagellate unicells. The alga can make the water appear turbid and green in color. Minor surface scum was observed. Cell density was in the moderate range. Turbidity ranged from 2.9 to 6.7 NTU.

A single cell of the golden alga was detected in the reservoir early in the month. The subsequent samples showed absence of the potentially toxic alga.

Special Testing

*E. coli* bacteria and total phosphorus were measured in Lake 8 on two dates during the month. Data are presented below.

| Date | *E. coli*, MPN/100 mL) | Phosphorus, mg/L |
|---|---|---|
| 12-06-23 | 83 | 0.038 |
| 12-20-23 | 1 | 0.033 |

The measured bacteria concentrations are below the maximum levels established for partial and full body contact recreation by the State.

The table at the conclusion of the report summarizes phosphorus concentrations in Lake 8 during the recent study period. Noting that the Phoslock® application occurred on 29 November 2021, no dramatic reduction in phosphorus is apparent. However, the phosphorus concentrations have been consistently below 0.040 mg/L the last seven months. Impact may be more long-term if it reduces recycling of phosphorus from the sediment. Data collection will be continued.

**Next Month**:

Lakes 1-8 are scheduled for routine weekly golden algae monitoring. All lakes will be visually inspected and field data collected two times during the month. Additional monitoring of Lake 8 phosphorus and *E. coli* will continue.

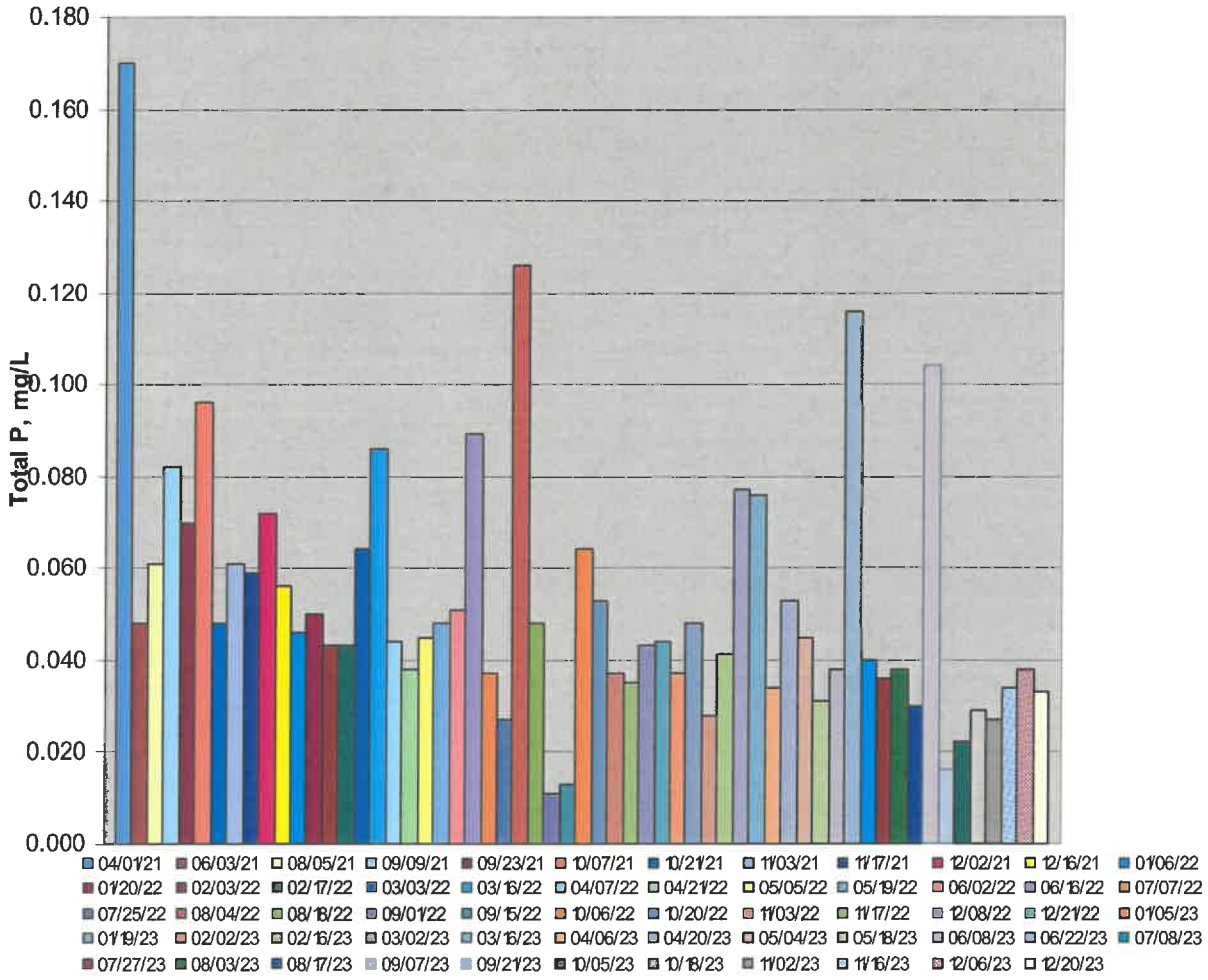
Respectfully:

**Aquatic Consulting & Testing, Inc.**

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

North American Lake Management Society
NALMS
Frederick Amalfi
#91-01M
Certified Lake Manager

## TOTAL PHOSPHORUS LAKE 8



## SUPPORTING DOCUMENTATION

- Laboratory reports
- Field Inspection Sheets
- Pesticide application documents (none)

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Lic. No. AZ0003


## GOLDEN ALGAE REPORT

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

**Date Submitted:** 11/30/23
**Date Reported:** 12/06/23

**Attn:** Fran Pawlak, Executive Director

**Project:** Monthly Lake 1-8 Monitorin

### RESULTS

**Client ID:** Lake 1
**ACT Lab No.:** CF08356
**Sample Type:** Surface Water
**Sample Time:** 11/30/23 08:10

| Parameter | Analysis Date Start | End | Method No. | MRL | Result | Unit | Analyst |
|---|---|---|---|---|---|---|---|
| Golden Algae | 11/30/23 | 11/30/23 | P/C Microscopy | 1 | Absent | Pres/Abs | ZH |

**Client ID:** Lake 2
**ACT Lab No.:** CF08357
**Sample Type:** Surface Water
**Sample Time:** 11/30/23 08:15

| Parameter | Analysis Date Start | End | Method No. | MRL | Result | Unit | Analyst |
|---|---|---|---|---|---|---|---|
| Golden Algae | 11/30/23 | 11/30/23 | P/C Microscopy | 1 | Absent | Pres/Abs | ZH |

**Client ID:** Lake 3
**ACT Lab No.:** CF08358
**Sample Type:** Surface Water
**Sample Time:** 11/30/23 08:20

| Parameter | Analysis Date Start | End | Method No. | MRL | Result | Unit | Analyst |
|---|---|---|---|---|---|---|---|
| Golden Algae | 11/30/23 | 11/30/23 | P/C Microscopy | 1 | Absent | Pres/Abs | ZH |

**Client ID:** Lake 4
**ACT Lab No.:** CF08359
**Sample Type:** Surface Water
**Sample Time:** 11/30/23 08:30

| Parameter | Analysis Date Start | End | Method No. | MRL | Result | Unit | Analyst |
|---|---|---|---|---|---|---|---|
| Golden Algae | 11/30/23 | 11/30/23 | P/C Microscopy | 1 | Absent | Pres/Abs | ZH |

## RESULTS

**Client ID:** Lake 5
**ACT Lab No.:** CF08360
**Sample Type:** Surface Water
**Sample Time:** 11/30/23 08:35

| Parameter | Analysis Date Start | End | Method No. | MRL | Result | Unit | Analyst |
|---|---|---|---|---|---|---|---|
| Golden Algae | 11/30/23 | 11/30/23 | P/C Microscopy | 1 | Absent | Pres/Abs | ZH |

**Client ID:** Lake 6
**ACT Lab No.:** CF08361
**Sample Type:** Surface Water
**Sample Time:** 11/30/23 08:45

| Parameter | Analysis Date Start | End | Method No. | MRL | Result | Unit | Analyst |
|---|---|---|---|---|---|---|---|
| Golden Algae | 11/30/23 | 11/30/23 | P/C Microscopy | 1 | Absent | Pres/Abs | ZH |

**Client ID:** Lake 7
**ACT Lab No.:** CF08362
**Sample Type:** Surface Water
**Sample Time:** 11/30/23 08:50

| Parameter | Analysis Date Start | End | Method No. | MRL | Result | Unit | Analyst |
|---|---|---|---|---|---|---|---|
| Golden Algae | 11/30/23 | 11/30/23 | P/C Microscopy | 1 | Absent | Pres/Abs | ZH |

**Client ID:** Lake 8
**ACT Lab No.:** CF08363
**Sample Type:** Surface Water
**Sample Time:** 11/30/23 09:00

| Parameter | Analysis Date Start | End | Method No. | MRL | Result | Unit | Analyst |
|---|---|---|---|---|---|---|---|
| Golden Algae | 11/30/23 | 11/30/23 | P/C Microscopy | 1 | Absent | Pres/Abs | ZH |

**Explanation of Terms:**

Absent = No golden algae* were detected in the submitted sample.
Present 1 = Golden algae* were detected, but rarely observed in the submitted sample.
Present 2 = Golden algae* were detected and commonly observed in the submitted sample.
Present 3 = Golden algae* were detected and were the dominant algae in the submitted sample.

**Prymnesium parvum or toxin producing related species.*

**Reviewed by:** _____
**Frederick A. Amalfi, Ph.D.**
**Laboratory Director**

**Aquatic Consulting & Testing, Inc.**
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lab@aquaticconsulting.com

# Chain of Custody

**Client Project Info:**

*Lake 1-8 Monthly Monitoring*
*Dobson Ranch Association*

**AC&T Client Reporting Information:**

Dobson Ranch Association
2719 South Reyes
Mesa, AZ 85202

Attn: Fran Paqwlak, Community Manager
P: 4/80-831-8314
E: fm

**AC&T Sampler:**

| Sample Location ID: | Date: | Time: | Matrix: | P-T | NO3+NO2 | TKN-Elec | Ammonia (NH3) | E. Coli | #Chl/Pheo | Alage - ID + # | Golden algae | Turb | Field Measurements: pH, Temp, O2 | Sample Containers # / Preservation: None Preserved | Na2S2O3 (Sterile) | HNO3 (Nitric) | H2SO4 (Sulfuric) | Lugols | Other: | AC&T Laboratory Sample Identification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lake 1 | 11/30/23 | 810 | SW | | | | | | | | X | X | X | 1 | | | | | | CF08356 |
| Lake 2 | | 815 | SW | | | | | | | | X | X | X | 1 | | | | | | 357 |
| Lake 3 | | 820 | SW | | | | | | | | X | X | X | 1 | | | | | | 358 |
| Lake 4 | | 830 | SW | | | | | | | | X | X | X | 1 | | | | | | 359 |
| Lake 5 | | 835 | SW | | | | | | | | X | X | X | 1 | | | | | | 360 |
| Lake 6 | | 845 | SW | | | | | | | | X | X | X | 1 | | | | | | 361 |
| Lake 7 | | 850 | SW | X | | | | | | | X | X | X | 1 | | | | | | 362 |
| Lake 8 | | 900 | SW | | | | | X | | | X | X | X | 1 | | | | | | 363 |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

Page1 of 1

| Project Location: | A C & T Sample Receipt: | | |
|---|---|---|---|
| Dobson Ranch | Total # Containers: | 8 | |
| PO#: | Received Intact: | YES | NO |
| Lakes Contract | # Bottles Preserved: | Non: | X |
| Notes: | Samples On Ice: | YES | NO |
| | Ice Type: | WET | BLUE |
| | Sample Receipt Temperature: | Amb | |

**1. RELINQUISHED BY:**
Signature: Andrew Marvell
Print Name: Andrew Marvell
Date: 11/30/23 Time: 1335

**2. RECEIVED BY:**
Signature: M
Print Name: MJ
Date: 11/30/23 Time: 1335

**3. RELINQUISHED BY:**
Signature:
Print Name:
Date: Time:

**4. RECEIVED BY:**
Signature:
Print Name:
Date: Time:

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lab@aquaticconsulting.com

# Chain of Custody

**Client Project Info:**

*Lake 1-8 Monthly Monitoring*
*Dobson Ranch Association*



**AC&T Client Reporting Information:**

Dobson Ranch Association
2719 South Reyes
Mesa, AZ 85202

Attn: Fran Paqwlak, Community Manager
P: 4/80-831-8314
E: fran

**AC&T Sampler:**

| Sample Location ID: | Date: | Time: | Matrix: | P-T | NO3+NO2 | TKN-Elec | Ammonia (NH3) | | | | E. Coli | #Chl/Pheo | Alage - ID + # | Golden algae | Turb | Field Measurements: pH, Temp, O2 | Sample Containers # / Preservation: None Preserved | Na2S2O3 (Sterile) | HNO3 (Nitric) | H2SO4 (Sulfuric) | Lugols | Other: | AC&T Laboratory Sample Identification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lake 1 | 11/30/23 | 810 | SW | | | | | | | (-) | | | | X | X | X | 1 | | | | | | CF083506 |
| Lake 2 | | 815 | SW | | | | | | | (-) | | | | X | X | X | 1 | | | | | | 357 |
| Lake 3 | | 820 | SW | | | | | | | (-) | | | | X | X | X | 1 | | | | | | 358 |
| Lake 4 | | 830 | SW | | | | | | | (-) | | | | X | X | X | 1 | | | | | | 359 |
| Lake 5 | | 835 | SW | | | | | | | (-) | | | | X | X | X | 1 | | | | | | 360 |
| Lake 6 | | 845 | SW | | | | | | | (-) | | | | X | X | X | 1 | | | | | | 361 |
| Lake 7 | | 850 | SW | | | | | | | (-) | | | | X | X | X | 1 | | | | | | 362 |
| Lake 8 | | 900 | SW | X | | | | | | (-) | X | | | X | X | X | 1 | | | | | | 363 |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |

| Project Locations: | A C & T Sample Receipt: | | | |
|---|---|---|---|---|
| Dobson Ranch | Total # Containers: | 8 | | |
| PO#: | Received Intact: | YES | NO | |
| Lakes Contract | # Bottles Preserved: | Non: | X | |
| Notes: | Samples On Ice: | YES | NO | |
| | Ice Type: | WET | BLUE | |
| | Sample Receipt Temperature: | Amb | | |

**1. RELINQUISHED BY:**
Signature: Andrew Marvell
Print Name: Andrew Marvell
Date: 11/30/23 Time: 1335

**2. RECEIVED BY:**
Signature: MJ
Print Name: MJ
Date: 11/30/23 Time: 1335

**3. RELINQUISHED BY:**
Signature:
Print Name:
Date: Time:

**4. RECEIVED BY:**
Signature:
Print Name:
Date: Time:

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Lic. No. AZ0003


## LABORATORY REPORT

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

**Date Submitted:** 12/06/23
**Date Reported:** 12/28/23

**Attn:** Fran Pawlak, Executive Director

**Project:** Monthly Lake 1-8 Monitoring

### RESULTS

**Client ID:** Lake 1
**ACT Lab No.:** CF08506

**Sample Type:** Surface Water
**Sample Time:** 12/06/23 09:10

| Parameter | Analysis Date Start | Analysis Date End | Method No. | Result | Unit |
|---|---|---|---|---|---|
| Golden Algae | 12/06/23 | 12/06/23 | P/C Microscopy | Absent | Pres/Abs |
| Oxygen, Dissolved Field | 12/06/23 | 12/06/23 | SM4500 O G | 9.6 | mg/L as O2 |
| pH, Field | 12/06/23 | 12/06/23 | SM4500H+ B | 8.2 | SU |
| Temperature, Field | 12/06/23 | 12/06/23 | SM2550 B | 14.7 | C |
| Turbidity | 12/06/23 | 12/06/23 | 180.1 | 3.9 | NTU |

**Client ID:** Lake 2
**ACT Lab No.:** CF08507

**Sample Type:** Surface Water
**Sample Time:** 12/06/23 09:15

| Parameter | Analysis Date Start | Analysis Date End | Method No. | Result | Unit |
|---|---|---|---|---|---|
| Golden Algae | 12/06/23 | 12/06/23 | P/C Microscopy | Absent | Pres/Abs |
| Oxygen, Dissolved Field | 12/06/23 | 12/06/23 | SM4500 O G | 9.8 | mg/L as O2 |
| pH, Field | 12/06/23 | 12/06/23 | SM4500H+ B | 8.2 | SU |
| Temperature, Field | 12/06/23 | 12/06/23 | SM2550 B | 14.2 | C |
| Turbidity | 12/06/23 | 12/06/23 | 180.1 | 6.6 | NTU |

## RESULTS

**Client ID:** Lake 3
**ACT Lab No.:** CF08508

**Sample Type:** Surface Water
**Sample Time:** 12/06/23 09:20

| Parameter | Analysis Date Start | Analysis Date End | Method No. | Result | Unit |
|---|---|---|---|---|---|
| Golden Algae | 12/06/23 | 12/06/23 | P/C Microscopy | Absent | Pres/Abs |
| Oxygen, Dissolved Field | 12/06/23 | 12/06/23 | SM4500 O G | 10.2 | mg/L as O2 |
| pH, Field | 12/06/23 | 12/06/23 | SM4500H+ B | 8.2 | SU |
| Temperature, Field | 12/06/23 | 12/06/23 | SM2550 B | 14.8 | C |
| Turbidity | 12/06/23 | 12/06/23 | 180.1 | 6.2 | NTU |

**Client ID:** Lake 4
**ACT Lab No.:** CF08509

**Sample Type:** Surface Water
**Sample Time:** 12/06/23 09:30

| Parameter | Analysis Date Start | Analysis Date End | Method No. | Result | Unit |
|---|---|---|---|---|---|
| Golden Algae | 12/06/23 | 12/06/23 | P/C Microscopy | Absent | Pres/Abs |
| Oxygen, Dissolved Field | 12/06/23 | 12/06/23 | SM4500 O G | 10.1 | mg/L as O2 |
| pH, Field | 12/06/23 | 12/06/23 | SM4500H+ B | 8.2 | SU |
| Temperature, Field | 12/06/23 | 12/06/23 | SM2550 B | 13.3 | C |
| Turbidity | 12/06/23 | 12/06/23 | 180.1 | 4.2 | NTU |

**Client ID:** Lake 5
**ACT Lab No.:** CF08510

**Sample Type:** Surface Water
**Sample Time:** 12/06/23 09:35

| Parameter | Analysis Date Start | Analysis Date End | Method No. | Result | Unit |
|---|---|---|---|---|---|
| Golden Algae | 12/06/23 | 12/06/23 | P/C Microscopy | Absent | Pres/Abs |
| Oxygen, Dissolved Field | 12/06/23 | 12/06/23 | SM4500 O G | 9.6 | mg/L as O2 |
| pH, Field | 12/06/23 | 12/06/23 | SM4500H+ B | 8.2 | SU |
| Temperature, Field | 12/06/23 | 12/06/23 | SM2550 B | 13.9 | C |
| Turbidity | 12/06/23 | 12/06/23 | 180.1 | 5.6 | NTU |

## RESULTS

**Client ID:** Lake 6
**ACT Lab No.:** CF08511

**Sample Type:** Surface Water
**Sample Time:** 12/06/23 09:45

| Parameter | Analysis Date Start | Analysis Date End | Method No. | Result | Unit |
|---|---|---|---|---|---|
| Golden Algae | 12/06/23 | 12/06/23 | P/C Microscopy | Absent | Pres/Abs |
| Oxygen, Dissolved Field | 12/06/23 | 12/06/23 | SM4500 O G | 10.7 | mg/L as O2 |
| pH, Field | 12/06/23 | 12/06/23 | SM4500H+ B | 8.5 | SU |
| Temperature, Field | 12/06/23 | 12/06/23 | SM2550 B | 15.0 | C |
| Turbidity | 12/06/23 | 12/06/23 | 180.1 | 14. | NTU |

**Client ID:** Lake 7
**ACT Lab No.:** CF08512

**Sample Type:** Surface Water
**Sample Time:** 12/06/23 09:55

| Parameter | Analysis Date Start | Analysis Date End | Method No. | Result | Unit |
|---|---|---|---|---|---|
| Golden Algae | 12/06/23 | 12/06/23 | P/C Microscopy | Absent | Pres/Abs |
| Oxygen, Dissolved Field | 12/06/23 | 12/06/23 | SM4500 O G | 9.8 | mg/L as O2 |
| pH, Field | 12/06/23 | 12/06/23 | SM4500H+ B | 8.4 | SU |
| Temperature, Field | 12/06/23 | 12/06/23 | SM2550 B | 15.1 | C |
| Turbidity | 12/06/23 | 12/06/23 | 180.1 | 7.3 | NTU |

**Client ID:** Lake 8
**ACT Lab No.:** CF08513

**Sample Type:** Surface Water
**Sample Time:** 12/06/23 10:00

| Parameter | Analysis Date Start | Analysis Date End | Method No. | Result | Unit |
|---|---|---|---|---|---|
| Golden Algae | 12/06/23 | 12/06/23 | P/C Microscopy | Present 1 | Pres/Abs |
| Oxygen, Dissolved Field | 12/06/23 | 12/06/23 | SM4500 O G | 10.0 | mg/L as O2 |
| pH, Field | 12/06/23 | 12/06/23 | SM4500H+ B | 8.5 | SU |
| Temperature, Field | 12/06/23 | 12/06/23 | SM2550 B | 14.6 | C |
| Phosphorus, Total | 12/20/23 | 12/20/23 | 365.3 | 0.038 | mg/L as P |
| E. coli, Colilert | 12/06/23 | 12/07/23 | SM 9223 B | 83 | MPN/100 mL |
| Turbidity | 12/06/23 | 12/06/23 | 180.1 | 6.2 | NTU |

**Reviewed by:** _____

**Frederick A. Amalfi, Ph.D.**
**Laboratory Director**

**Aquatic Consulting & Testing, Inc.**
**1525 W. University Drive, Suite 106**
**Tempe, AZ 85281**
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**lab@aquaticconsulting.com**

# Chain of Custody

**Client Project Info:**

*Lake 1-8 Monthly Monitoring*
*Dobson Ranch Association*

**AC&T Client Reporting Information:**

Dobson Ranch Association
2719 South Reyes
Mesa, AZ 85202

Attn: Fran Paqwlak, Community Manager
P: 4/80-831-8314
E:

**AC&T Sampler:**



| Sample Location ID: | Date: | Time: | Matrix: | P-T | NO3+NO2 | TKN-Elec | Ammonia (NH3) | E. Coli | #Chl/Pheo | Alage - ID + # | Golden algae | Turb | Field Measurements: pH, Temp, O2 | Sample Containers # / Preservation: None Preserved | Na2S2O3 (Sterile) | HNO3 (Nitric) | H2SO4 (Sulfuric) | Lugols | Other: | AC&T Laboratory Sample Identification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lake 1 | 12/6/23 | 910 | SW | | | | | | | | X | X | X | 2 | | | | | | CF08506 |
| Lake 2 | | 915 | SW | | | | | | | | X | X | X | 2 | | | | | | 507 |
| Lake 3 | | 920 | SW | | | | | | | | X | X | X | 2 | | | | | | 508 |
| Lake 4 | | 930 | SW | | | | | | | | X | X | X | 2 | | | | | | 509 |
| Lake 5 | | 935 | SW | | | | | | | | X | X | X | 2 | | | | | | 510 |
| Lake 6 | | 945 | SW | | | | | | | | X | X | X | 2 | | | | | | 511 |
| Lake 7 | | 955 | SW | | | | | | | | X | X | X | 2 | | | | | | 512 |
| Lake 8 | | 1000 | SW | X | | | | X | | | X | X | X | 2 | 1 | | 1 | | | 513 |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

| Project Location: | A C & T Sample Receipt: | | | 1. RELINQUISHED BY: | 3. RELINQUISHED BY: |
|---|---|---|---|---|---|
| Dobson Ranch | Total # Containers: | 18 | | Signature: Andrew Murrett | Signature: |
| PO#: | Received Intact: | YES | NO | Print Name: Andrew Murrett | Print Name: |
| Lakes Contract | # Bottles Preserved: 2 | # Non: | 16 | Date: 12/6/23 Time: 1315 | Date: Time: |
| Notes: | Samples On Ice: | YES | NO | 2. RECEIVED BY: | 4. RECEIVED BY: |
| | Ice Type: | WET | BLUE | Signature: | Signature: |
| | Sample Receipt Temperature: | 19°C | | Print Name: MJ | Print Name: |
| | | | | Date: 12/6/23 Time: 1315 | Date: Time: |

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# Chain of Custody

**Client Project Info:**

*Lake 1-8 Monthly Monitoring*
*Dobson Ranch Association*

**AC&T Client Reporting Information:**

Dobson Ranch Association
2719 South Reyes
Mesa, AZ 85202

Attn: Fran Paqwlak, Community Manager
P: 4/80-831-8314
E:

**AC&T Sampler:**

Page1 of 1

| Sample Location ID: | Date: | Time: | Matrix: | P-T | NO3+NO2 | TKN-Elec | Ammonia (NH3) | E. Coli | #Chl/Pheo | Alage - ID + # | Golden algae | Turb | Field Measurements: pH, Temp, O2 | Sample Containers # / Preservation: None Preserved | Na2S2O3 (Sterile) | HNO3 (Nitric) | H2SO4 (Sulfuric) | Lugols | Other: | AC&T Laboratory Sample Identification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lake 1 | 12/6/23 | 910 | SW | | | | | | | | X | X | X | 2 | | | | | | CF08506 |
| Lake 2 | | 915 | SW | | | | | | | | X | X | X | 2 | | | | | | 507 |
| Lake 3 | | 920 | SW | | | | | | | | X | X | X | 2 | | | | | | 508 |
| Lake 4 | | 930 | SW | | | | | | | | X | X | X | 2 | | | | | | 509 |
| Lake 5 | | 935 | SW | | | | | | | | X | X | X | 2 | | | | | | 510 |
| Lake 6 | | 945 | SW | | | 83 mg/L | | 12-7-23@1330 | | | X | X | X | 2 | | | | | | 511 |
| Lake 7 | | 955 | SW | | | | | | | | X | X | X | 2 | | | | | | 512 |
| Lake 8 | ✓ | 1000 | SW | X | | | | X | | | X | X | X | 2 | 1 | | 1 | | | 513 |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

| Project Location: | A C & T Sample Receipt: | | | 1. RELINQUISHED BY: | 3. RELINQUISHED BY: |
|---|---|---|---|---|---|
| Dobson Ranch | Total # Containers: | 18 | | Signature: Andrew Murrett | Signature: |
| PO#: | Received Intact: | (YES) | NO | Print Name: Andrew Murrett | Print Name: |
| Lakes Contract | # Bottles Preserved: 2 | # Non: | 16 | Date: 12/6/23 Time: 1315 | Date: Time: |
| Notes: | Samples On Ice: | YES | (NO) | 2. RECEIVED BY: | 4. RECEIVED BY: |
| | Ice Type: | WET | BLUE | Signature: | Signature: |
| | Sample Receipt Temperature: | 19°C | | Print Name: MJ | Print Name: |
| | | | | Date: 12/6/23 Time: 1315 | Date: Time: |

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# Chain of Custody

**Client Project Info:**

*Lake 1-8 Monthly Monitoring*
*Dobson Ranch Association*

**AC&T Client Reporting Information:**

Dobson Ranch Association
2719 South Reyes
Mesa, AZ 85202

Attn: Fran Paqwlak, Community Manager
P: 4/80-831-8314
E:

**AC&T Sampler:**

| Sample Location ID: | Date: | Time: | Matrix: | P-T | NO3+NO2 | TKN-Elec | Ammonia (NH3) | | | E. Coli | #Chl/Pheo | Alage - ID + # | Golden algae | Turb | Field Measurements: pH, Temp, O2 | Sample Containers # / Preservation: None Preserved | Na2S2O3 (Sterile) | HNO3 (Nitric) | H2SO4 (Sulfuric) | Lugols | Other: | AC&T Laboratory Sample Identification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lake 1 | 12/6/23 | 910 | SW | | | — | Chlorella | | | | | | X | X | X | x2 | | | | | | CF08506 |
| Lake 2 | | 915 | SW | | | — | Chlorella | | | | | | X | X | X | x2 | | | | | | 507 |
| Lake 3 | | 920 | SW | | | — | NaNC | | | | | | X | X | X | x2 | | | | | | 508 |
| Lake 4 | | 930 | SW | | | — | NaNC | | | | | | X | X | X | x2 | | | | | | 509 |
| Lake 5 | | 935 | SW | | | — | Chlorella | | | | | | X | X | X | x2 | | | | | | 510 |
| Lake 6 | | 945 | SW | | | — | Chlorella | | | | | | X | X | X | x2 | | | | | | 511 |
| Lake 7 | | 955 | SW | | | — | Microcystis | | | | | | X | X | X | x2 | | | | | | 512 |
| Lake 8 | | 1000 | SW | X | | +1 | Microcystis | | | X | | | X | X | X | x2 | 1 | | 1 | | | 513 |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |

Page1 of 1

| Project Location: | A C & T Sample Receipt: | | | |
|---|---|---|---|---|
| Dobson Ranch | Total # Containers: | 18 | | |
| PO#: | Received Intact: | YES | NO | |
| Lakes Contract | # Bottles Preserved: 2 | # Non: | 16 | |
| Notes: | Samples On Ice: | YES | NO | |
| | Ice Type: | WET | BLUE | |
| | Sample Receipt Temperature: | 19°C | | |

**1. RELINQUISHED BY:**
Signature: Andrew Murrett
Print Name: Andrew Murrett
Date: 12/6/23 Time: 1315

**2. RECEIVED BY:**
Signature: MS
Print Name: MJ
Date: 12/6/23 Time: 1315

**3. RELINQUISHED BY:**
Signature:
Print Name:
Date: Time:

**4. RECEIVED BY:**
Signature:
Print Name:
Date: Time:

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Lic. No. AZ0003


## GOLDEN ALGAE REPORT

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

**Date Submitted:** 12/13/23
**Date Reported:** 12/20/23

**Attn:** Fran Pawlak, Executive Director

**Project:** Monthly Lake 1-8 Monitorin

### RESULTS

**Client ID:** Lake 1
**ACT Lab No.:** CF08748

**Sample Type:** Surface Water
**Sample Time:** 12/13/23 07:10

| Parameter | Analysis Date Start | End | Method No. | MRL | Result | Unit | Analyst |
|---|---|---|---|---|---|---|---|
| Golden Algae | 12/13/23 | 12/13/23 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |

**Client ID:** Lake 2
**ACT Lab No.:** CF08749

**Sample Type:** Surface Water
**Sample Time:** 12/13/23 07:15

| Parameter | Analysis Date Start | End | Method No. | MRL | Result | Unit | Analyst |
|---|---|---|---|---|---|---|---|
| Golden Algae | 12/13/23 | 12/13/23 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |

**Client ID:** Lake 3
**ACT Lab No.:** CF08750

**Sample Type:** Surface Water
**Sample Time:** 12/13/23 07:20

| Parameter | Analysis Date Start | End | Method No. | MRL | Result | Unit | Analyst |
|---|---|---|---|---|---|---|---|
| Golden Algae | 12/13/23 | 12/13/23 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |

**Client ID:** Lake 4
**ACT Lab No.:** CF08751

**Sample Type:** Surface Water
**Sample Time:** 12/13/23 07:25

| Parameter | Analysis Date Start | End | Method No. | MRL | Result | Unit | Analyst |
|---|---|---|---|---|---|---|---|
| Golden Algae | 12/13/23 | 12/13/23 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |

## RESULTS

**Client ID:** Lake 5
**ACT Lab No.:** CF08752
**Sample Type:** Surface Water
**Sample Time:** 12/13/23 07:30

| Parameter | Analysis Date Start | End | Method No. | MRL | Result | Unit | Analyst |
|---|---|---|---|---|---|---|---|
| Golden Algae | 12/13/23 | 12/13/23 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |

**Client ID:** Lake 6
**ACT Lab No.:** CF08753
**Sample Type:** Surface Water
**Sample Time:** 12/13/23 07:40

| Parameter | Analysis Date Start | End | Method No. | MRL | Result | Unit | Analyst |
|---|---|---|---|---|---|---|---|
| Golden Algae | 12/13/23 | 12/13/23 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |

**Client ID:** Lake 7
**ACT Lab No.:** CF08754
**Sample Type:** Surface Water
**Sample Time:** 12/13/23 07:50

| Parameter | Analysis Date Start | End | Method No. | MRL | Result | Unit | Analyst |
|---|---|---|---|---|---|---|---|
| Golden Algae | 12/13/23 | 12/13/23 | P/C Microscopy | 1 | Present 1 | Pres/Abs | FAA |

**Client ID:** Lake 8
**ACT Lab No.:** CF08755
**Sample Type:** Surface Water
**Sample Time:** 12/13/23 07:55

| Parameter | Analysis Date Start | End | Method No. | MRL | Result | Unit | Analyst |
|---|---|---|---|---|---|---|---|
| Golden Algae | 12/13/23 | 12/13/23 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |

**Explanation of Terms:**

Absent = No golden algae* were detected in the submitted sample.
Present 1 = Golden algae* were detected, but rarely observed in the submitted sample.
Present 2 = Golden algae* were detected and commonly observed in the submitted sample.
Present 3 = Golden algae* were detected and were the dominant algae in the submitted sample.

**Prymnesium parvum or toxin producing related species.*

**Reviewed by:** Frederick A. Amalfi

**Frederick A. Amalfi, Ph.D.**
**Laboratory Director**

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lab@aquaticconsulting.com

# Chain of Custody

**Client Project Info:**

*Lake 1-8 Golden Monitoring*
*Dobson Ranch Association*

**AC&T Client Reporting Information:**

Dobson Ranch Association
2719 South Reyes
Mesa, AZ 85202

Attn: Fran Paqwlak, Community Manager
P: 4/80-831-8314
E:

**AC&T Sampler:** Ann

| Sample Location ID: | Date: | Time: | Matrix: | P-T | NO3+NO2 | TKN-Elec | Ammonia (NH3) | E. Coli | #Chl/Pheo | Alage - ID + # | Golden algae | Turb | Field Measurements: pH, Temp, O2 | Sample Containers # / Preservation: None Preserved | Na2S2O3 (Sterile) | HNO3 (Nitric) | H2SO4 (Sulfuric) | Lugols | Other: | AC&T Laboratory Sample Identification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lake 1 | 12/1/23 | 710 | SW | | | | | | | | X | | | 1 | | | | | | CF08748 |
| Lake 2 | | 715 | SW | | | | | | | | X | | | 1 | | | | | | 749 |
| Lake 3 | | 720 | SW | | | | | | | | X | | | 1 | | | | | | 750 |
| Lake 4 | | 725 | SW | | | | | | | | X | | | 1 | | | | | | 751 |
| Lake 5 | | 730 | SW | | | | | | | | X | | | 1 | | | | | | 752 |
| Lake 6 | | 740 | SW | | | | | | | | X | | | 1 | | | | | | 753 |
| Lake 7 | | 750 | SW | | | | | | | | X | | | 1 | | | | | | 754 |
| Lake 8 | ↓ | 755 | SW | | | | | | | | X | | | 1 | | | | | | 755 |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

Page1 of 1

| Project Location: | A C & T Sample Receipt: | | | 1. RELINQUISHED BY: | 3. RELINQUISHED BY: |
|---|---|---|---|---|---|
| Dobson Ranch | Total # Containers: | 8 | | Signature: Andrew Murrett | Signature: |
| PO#: | Received Intact: | YES | NO | Print Name: Andrew Murrett | Print Name: |
| Lakes Contract | # Bottles Preserved: | # Non: | X | Date: 12/13/23 Time: 1245 | Date: Time: |
| Notes: | Samples On Ice: | YES | NO | 2. RECEIVED BY: | 4. RECEIVED BY: |
| | Ice Type: | WET | BLUE | Signature: | Signature: |
| | Sample Receipt Temperature: | 17°C | | Print Name: M | Print Name: |
| | | | | Date: 12/13/23 Time: 1245 | Date: Time: |

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lab@aquaticconsulting.com

# Chain of Custody

**Client Project Info:**

*Lake 1-8 Golden Monitoring*
*Dobson Ranch Association*

**AC&T Client Reporting Information:**

Dobson Ranch Association
2719 South Reyes
Mesa, AZ 85202

Attn: Fran Paqwlak, Community Manager
P: 4/80-831-8314
E:

**AC&T Sampler:** Ann

| Sample Location ID: | Date: | Time: | Matrix: | P-T | NO3+NO2 | TKN-Elec | Ammonia (NH3) | E. Coli | #Chl/Pheo | Alage - ID + # | Golden algae | Turb | Field Measurements: pH, Temp, O2 | Sample Containers # / Preservation: None Preserved | Na2S2O3 (Sterile) | HNO3 (Nitric) | H2SO4 (Sulfuric) | Lugols | Other: | AC&T Laboratory Sample Identification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lake 1 | 12/1/23 | 710 | SW | | | | Chlamy | — | | | X | | | 1 | | | | | | CF08748 |
| Lake 2 | | 715 | SW | | | | + [illegible] | — | | | X | | | 1 | | | | | | 749 |
| Lake 3 | | 720 | SW | | | | | — | | | X | | | 1 | | | | | | 750 |
| Lake 4 | | 725 | SW | | | | | — | | | X | | | 1 | | | | | | 751 |
| Lake 5 | | 730 | SW | | | | | — | | | X | | | 1 | | | | | | 752 |
| Lake 6 | | 740 | SW | | | | Chlamy | — | | | X | | | 1 | | | | | | 753 |
| Lake 7 | | 750 | SW | | | | 1 cell + 1 | | | | X | | | 1 | | | | | | 754 |
| Lake 8 | ↓ | 755 | SW | | | | mensmo | — | | | X | | | 1 | | | | | | 755 |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

Page 1 of 1

| Project Location: | A C & T Sample Receipt: | | | 1. RELINQUISHED BY: | 3. RELINQUISHED BY: |
|---|---|---|---|---|---|
| Dobson Ranch | Total # Containers: | 8 | | Signature: Andrew Munnett | Signature: |
| PO#: | Received Intact: | YES | NO | Print Name: Andrew Munnett | Print Name: |
| Lakes Contract | # Bottles Preserved: | # Non: | X | Date: 12/13/23 Time: 1245 | Date: Time: |
| Notes: | Samples On Ice: | YES | NO | 2. RECEIVED BY: | 4. RECEIVED BY: |
| | Ice Type: | WET | BLUE | Signature: MS | Signature: |
| | Sample Receipt Temperature: | 17°C | | Print Name: MS | Print Name: |
| | | | | Date: 12/13/23 Time: 1245 | Date: Time: |

# AQUATIC CONSULTING & TESTING, INC.

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Tempe, Arizona 85281
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Lic. No. AZ0003


## LABORATORY REPORT

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

**Date Submitted:** 12/20/23
**Date Reported:** 12/29/23

**Attn:** Fran Pawlak, Executive Director

**Project:** Monthly Lake 1-8 Monitoring

### RESULTS

**Client ID:** Lake 1
**ACT Lab No.:** CF08959

**Sample Type:** Surface Water
**Sample Time:** 12/20/23 06:50

| Parameter | Analysis Date Start | Analysis Date End | Method No. | Result | Unit |
|---|---|---|---|---|---|
| Golden Algae | 12/20/23 | 12/20/23 | P/C Microscopy | Absent | Pres/Abs |
| Oxygen, Dissolved Field | 12/20/23 | 12/20/23 | SM4500 O G | 11.3 | mg/L as O2 |
| pH, Field | 12/20/23 | 12/20/23 | SM4500H+ B | 8.3 | SU |
| Temperature, Field | 12/20/23 | 12/20/23 | SM2550 B | 13.8 | C |
| Turbidity | 12/20/23 | 12/20/23 | 180.1 | 4.9 | NTU |

**Client ID:** Lake 2
**ACT Lab No.:** CF08960

**Sample Type:** Surface Water
**Sample Time:** 12/20/23 06:55

| Parameter | Analysis Date Start | Analysis Date End | Method No. | Result | Unit |
|---|---|---|---|---|---|
| Golden Algae | 12/20/23 | 12/20/23 | P/C Microscopy | Absent | Pres/Abs |
| Oxygen, Dissolved Field | 12/20/23 | 12/20/23 | SM4500 O G | 10.0 | mg/L as O2 |
| pH, Field | 12/20/23 | 12/20/23 | SM4500H+ B | 8.0 | SU |
| Temperature, Field | 12/20/23 | 12/20/23 | SM2550 B | 14.0 | C |
| Turbidity | 12/20/23 | 12/20/23 | 180.1 | 4.0 | NTU |

## RESULTS

**Client ID:** Lake 3
**ACT Lab No.:** CF08961

**Sample Type:** Surface Water
**Sample Time:** 12/20/23 07:00

| Parameter | Analysis Date Start | Analysis Date End | Method No. | Result | Unit |
|---|---|---|---|---|---|
| Golden Algae | 12/20/23 | 12/20/23 | P/C Microscopy | Absent | Pres/Abs |
| Oxygen, Dissolved Field | 12/20/23 | 12/20/23 | SM4500 O G | 10.1 | mg/L as O2 |
| pH, Field | 12/20/23 | 12/20/23 | SM4500H+ B | 8.3 | SU |
| Temperature, Field | 12/20/23 | 12/20/23 | SM2550 B | 13.5 | C |
| Turbidity | 12/20/23 | 12/20/23 | 180.1 | 21. | NTU |

**Client ID:** Lake 4
**ACT Lab No.:** CF08962

**Sample Type:** Surface Water
**Sample Time:** 12/20/23 07:15

| Parameter | Analysis Date Start | Analysis Date End | Method No. | Result | Unit |
|---|---|---|---|---|---|
| Golden Algae | 12/20/23 | 12/20/23 | P/C Microscopy | Absent | Pres/Abs |
| Oxygen, Dissolved Field | 12/20/23 | 12/20/23 | SM4500 O G | 10.3 | mg/L as O2 |
| pH, Field | 12/20/23 | 12/20/23 | SM4500H+ B | 8.2 | SU |
| Temperature, Field | 12/20/23 | 12/20/23 | SM2550 B | 13.6 | C |
| Turbidity | 12/20/23 | 12/20/23 | 180.1 | 7.5 | NTU |

**Client ID:** Lake 5
**ACT Lab No.:** CF08963

**Sample Type:** Surface Water
**Sample Time:** 12/20/23 07:20

| Parameter | Analysis Date Start | Analysis Date End | Method No. | Result | Unit |
|---|---|---|---|---|---|
| Golden Algae | 12/20/23 | 12/20/23 | P/C Microscopy | Absent | Pres/Abs |
| Oxygen, Dissolved Field | 12/20/23 | 12/20/23 | SM4500 O G | 10.6 | mg/L as O2 |
| pH, Field | 12/20/23 | 12/20/23 | SM4500H+ B | 8.3 | SU |
| Temperature, Field | 12/20/23 | 12/20/23 | SM2550 B | 13.4 | C |
| Turbidity | 12/20/23 | 12/20/23 | 180.1 | 5.8 | NTU |

## RESULTS

**Client ID:** Lake 6
**ACT Lab No.:** CF08964

**Sample Type:** Surface Water
**Sample Time:** 12/20/23 07:30

| Parameter | Analysis Date Start | Analysis Date End | Method No. | Result | Unit |
|---|---|---|---|---|---|
| Golden Algae | 12/20/23 | 12/20/23 | P/C Microscopy | Absent | Pres/Abs |
| Oxygen, Dissolved Field | 12/20/23 | 12/20/23 | SM4500 O G | 13.3 | mg/L as O2 |
| pH, Field | 12/20/23 | 12/20/23 | SM4500H+ B | 8.7 | SU |
| Temperature, Field | 12/20/23 | 12/20/23 | SM2550 B | 13.3 | C |
| Turbidity | 12/20/23 | 12/20/23 | 180.1 | 13. | NTU |

**Client ID:** Lake 7
**ACT Lab No.:** CF08965

**Sample Type:** Surface Water
**Sample Time:** 12/20/23 07:45

| Parameter | Analysis Date Start | Analysis Date End | Method No. | Result | Unit |
|---|---|---|---|---|---|
| Golden Algae | 12/20/23 | 12/20/23 | P/C Microscopy | Absent | Pres/Abs |
| Oxygen, Dissolved Field | 12/20/23 | 12/20/23 | SM4500 O G | 10.4 | mg/L as O2 |
| pH, Field | 12/20/23 | 12/20/23 | SM4500H+ B | 8.5 | SU |
| Temperature, Field | 12/20/23 | 12/20/23 | SM2550 B | 14.1 | C |
| Turbidity | 12/20/23 | 12/20/23 | 180.1 | 8.9 | NTU |

**Client ID:** Lake 8
**ACT Lab No.:** CF08966

**Sample Type:** Surface Water
**Sample Time:** 12/20/23 07:50

| Parameter | Analysis Date Start | Analysis Date End | Method No. | Result | Unit |
|---|---|---|---|---|---|
| Golden Algae | 12/20/23 | 12/20/23 | P/C Microscopy | Present 1 | Pres/Abs |
| Oxygen, Dissolved Field | 12/20/23 | 12/20/23 | SM4500 O G | 8.4 | mg/L as O2 |
| pH, Field | 12/20/23 | 12/20/23 | SM4500H+ B | 8.3 | SU |
| Temperature, Field | 12/20/23 | 12/20/23 | SM2550 B | 13.6 | C |
| Phosphorus, Total | 12/20/23 | 12/20/23 | 365.3 | 0.033 | mg/L as P |
| E. coli, Colilert | 12/20/23 | 12/21/23 | SM 9223 B | 1 | MPN/100 mL |
| Turbidity | 12/20/23 | 12/20/23 | 180.1 | 2.9 | NTU |

**Reviewed by:** _____

**Frederick A. Amalfi, Ph.D.**
**Laboratory Director**

**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 1-8 Monthly Monitoring*
*Dobson Ranch Association*

**AC&T Client Reporting Information:**

Dobson Ranch Association
2719 South Reyes
Mesa, AZ 85202

Attn: Fran Paqwlak, Community Manager
P: 4/80-831-8314
E:

**AC&T Sampler:** AM



| Sample Location ID: | Date: | Time: | Matrix: | P-T | NO3+NO2 | TKN-Elec | Ammonia (NH3) | E. Coli | #Chl/Pheo | Alage - ID + # | Golden algae | Turb | Field Measurements: pH, Temp, O2 | Sample Containers # / Preservation: None Preserved | Na2S2O3 (Sterile) | HNO3 (Nitric) | H2SO4 (Sulfuric) | Lugols | Other: | AC&T Laboratory Sample Identification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lake 1 | 12/20/23 | 650 | SW | | | | | | | | X | X | X | 12 | | | | | | CF08959 |
| Lake 2 | | 655 | SW | | | | | | | | X | X | X | 12 | | | | | | 960 |
| Lake 3 | | 7:00 | SW | | | | | | | | X | X | X | 12 | | | | | | 961 |
| Lake 4 | | 7:15 | SW | | | | | | | | X | X | X | 12 | | | | | | 962 |
| Lake 5 | | 7:20 | SW | | | | | | | | X | X | X | 12 | | | | | | 963 |
| Lake 6 | | 7:30 | SW | | | | | | | | X | X | X | 12 | | | | | | 964 |
| Lake 7 | | 745 | SW | | | | | | | | X | X | X | 12 | | | | | | 965 |
| Lake 8 | ↓ | 750 | SW | X | | | | X | | | X | X | X | 12 | 1 | | 1 | | | 966 |
| | | | | | | | | | | | | | | | | | | | — | |
| | | | | | | | | | | | | | | | | | | | | |

| Project Location: | A C & T Sample Receipt: | | | | 1. RELINQUISHED BY: | 3. RELINQUISHED BY: |
|---|---|---|---|---|---|---|
| Dobson Ranch | Total # Containers: | 18 | | | Signature: Andrew Mussett | Signature: |
| PO#: | Received Intact: | YES | NO | | Print Name: Andrew Mussett | Print Name: |
| Lakes Contract | # Bottles Preserved: 2 | # Non: | 16 | | Date: 12/20/23 Time: 1245 | Date: Time: |
| Notes: | Samples On Ice: | YES | NO | | 2. RECEIVED BY: | 4. RECEIVED BY: |
| | Ice Type: | WET | BLUE | | Signature: | Signature: |
| | Sample Receipt Temperature: | 18 °C | | | Print Name: | Print Name: |
| | | | | | Date: 12/20/23 Time: 1245 | Date: Time: |

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# Chain of Custody

**Client Project Info:**

*Lake 1-8 Monthly Monitoring*
*Dobson Ranch Association*

**AC&T Client Reporting Information:**

Dobson Ranch Association
2719 South Reyes
Mesa, AZ 85202

Attn: Fran Paqwlak, Community Manager
P: 4/80-831-8314
E:

**AC&T Sampler:** AM

| Sample Location ID: | Date: | Time: | Matrix: | P-T | NO3+NO2 | TKN-Elec | Ammonia (NH3) | E. Coli | #Chl/Pheo | Alage - ID + # | Golden algae | Turb | Field Measurements: pH, Temp, O2 | Sample Containers # / Preservation: None Preserved | Na2S2O3 (Sterile) | HNO3 (Nitric) | H2SO4 (Sulfuric) | Lugols | Other: | AC&T Laboratory Sample Identification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lake 1 | 12/20/23 | 650 | SW | | | | | | | | X | X | X | 12 | | | | | | CF08959 |
| Lake 2 | | 655 | SW | | | | | | | | X | X | X | 12 | | | | | | 960 |
| Lake 3 | | 7:00 | SW | | | | | | | | X | X | X | 12 | | | | | | 961 |
| Lake 4 | | 7:15 | SW | | | | | | | | X | X | X | 12 | | | | | | 962 |
| Lake 5 | | 7:20 | SW | | | | | | | | X | X | X | 12 | | | | | | 963 |
| Lake 6 | | 7:30 | SW | | | | 1 mM/100ml | 12-21-23@ | 1300 | | X | X | X | 12 | | | | | | 964 |
| Lake 7 | | 745 | SW | | | | | | | | X | X | X | 12 | | | | | | 965 |
| Lake 8 | | 750 | SW | X | | | | X | | | X | X | X | 12 | 1 | | 1 | | | 966 |
| | | | | | | | | | | | | | | | | | | | — | |
| | | | | | | | | | | | | | | | | | | | | |

Page1 of 1

| Project Location: | A C & T Sample Receipt: | | | 1. RELINQUISHED BY: | 3. RELINQUISHED BY: |
|---|---|---|---|---|---|
| Dobson Ranch | Total # Containers: | 18 | | Signature: Andrew Murrett | Signature: |
| PO#: | Received Intact: | YES | NO | Print Name: Andrew Murrett | Print Name: |
| Lakes Contract | # Bottles Preserved: 2 | # Non: | 16 | Date: 12/20/23 Time: 1245 | Date: Time: |
| Notes: | Samples On Ice: | YES | NO | 2. RECEIVED BY: | 4. RECEIVED BY: |
| | Ice Type: | WET | BLUE | Signature: | Signature: |
| | Sample Receipt Temperature: | 18°C | | Print Name: | Print Name: |
| | | | | Date: 12120123 Time: 1245 | Date: Time: |

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# Chain of Custody

**Client Project Info:**

***Lake 1-8 Monthly Monitoring***
*Dobson Ranch Association*

**AC&T Client Reporting Information:**

Dobson Ranch Association
2719 South Reyes
Mesa, AZ 85202

Attn: Fran Paqwlak, Community Manager
P: 4/80-831-8314
E:

**AC&T Sampler:** Ann

| Sample Location ID: | Date: | Time: | Matrix: | P-T | NO3+NO2 | TKN-Elec | Ammonia (NH3) | E. Coli | #Chl/Pheo | Alage - ID + # | Golden algae | Turb | Field Measurements: pH, Temp, O2 | Sample Containers # / Preservation: None Preserved | Na2S2O3 (Sterile) | HNO3 (Nitric) | H2SO4 (Sulfuric) | Lugols | Other: | AC&T Laboratory Sample Identification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lake 1 | 12/20/23 | 650 | SW | | | | — | | | | X | X | X | 12 | | | | | | CF08959 |
| Lake 2 | | 655 | SW | | | | — | | | | X | X | X | 12 | | | | | | 960 |
| Lake 3 | | 7:00 | SW | | | | — | | | | X | X | X | 12 | | | | | | 961 |
| Lake 4 | | 7:15 | SW | | | | — | | | | X | X | X | 12 | | | | | | 962 |
| Lake 5 | | 7:20 | SW | | | | — | | | | X | X | X | 12 | | | | | | 963 |
| Lake 6 | | 7:30 | SW | | | | — | | | | X | X | X | 12 | | | | | | 964 |
| Lake 7 | | 745 | SW | | | | — | | | | X | X | X | 12 | | | | | | 965 |
| Lake 8 | ↓ | 750 | SW | X | | | +1 | X | | | X | X | X | 12 | | | 1 | | | 966 |
| | | | | | | | | | | | | | | | | | | | — | |
| | | | | | | | | | | | | | | | | | | | | |

Page1 of 1

| Project Location: | A C & T Sample Receipt: | | | |
|---|---|---|---|---|
| Dobson Ranch | Total # Containers: | | 18 | |
| PO#: | Received Intact: | | YES | NO |
| Lakes Contract | # Bottles Preserved: | 2 | # Non: | 16 |
| Notes: | Samples On Ice: | | YES | NO |
| | Ice Type: | | WET | BLUE |
| | Sample Receipt Temperature: | | 18 °C | |

**1. RELINQUISHED BY:**
Signature: Andrew Murrett
Print Name: Andrew Murrett
Date: 12/20/23 Time: 1245

**2. RECEIVED BY:**
Signature: RR
Print Name: RR
Date: 12/20/23 Time: 1245

**3. RELINQUISHED BY:**
Signature:
Print Name:
Date: Time:

**4. RECEIVED BY:**
Signature:
Print Name:
Date: Time:

# 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


## GOLDEN ALGAE REPORT

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

**Date Submitted:** 12/27/23
**Date Reported:** 01/02/24

**Attn:** Fran Pawlak, Executive Director

**Project:** Monthly Lake 1-8 Monitorin

### RESULTS

**Client ID:** Lake 1
**ACT Lab No.:** CF09056
**Sample Type:** Surface Water
**Sample Time:** 12/27/23 12:00

| Parameter | Analysis Date Start | End | Method No. | MRL | Result | Unit | Analyst |
|---|---|---|---|---|---|---|---|
| Golden Algae | 12/27/23 | 12/27/23 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |

**Client ID:** Lake 2
**ACT Lab No.:** CF09057
**Sample Type:** Surface Water
**Sample Time:** 12/27/23 12:05

| Parameter | Analysis Date Start | End | Method No. | MRL | Result | Unit | Analyst |
|---|---|---|---|---|---|---|---|
| Golden Algae | 12/27/23 | 12/27/23 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |

**Client ID:** Lake 3
**ACT Lab No.:** CF09058
**Sample Type:** Surface Water
**Sample Time:** 12/27/23 12:10

| Parameter | Analysis Date Start | End | Method No. | MRL | Result | Unit | Analyst |
|---|---|---|---|---|---|---|---|
| Golden Algae | 12/27/23 | 12/27/23 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |

**Client ID:** Lake 4
**ACT Lab No.:** CF09059
**Sample Type:** Surface Water
**Sample Time:** 12/27/23 12:15

| Parameter | Analysis Date Start | End | Method No. | MRL | Result | Unit | Analyst |
|---|---|---|---|---|---|---|---|
| Golden Algae | 12/27/23 | 12/27/23 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |

## RESULTS

**Client ID:** Lake 5
**ACT Lab No.:** CF09060
**Sample Type:** Surface Water
**Sample Time:** 12/27/23 12:20

| Parameter | Analysis Date Start | End | Method No. | MRL | Result | Unit | Analyst |
|---|---|---|---|---|---|---|---|
| Golden Algae | 12/27/23 | 12/27/23 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |

**Client ID:** Lake 6
**ACT Lab No.:** CF09061
**Sample Type:** Surface Water
**Sample Time:** 12/27/23 12:30

| Parameter | Analysis Date Start | End | Method No. | MRL | Result | Unit | Analyst |
|---|---|---|---|---|---|---|---|
| Golden Algae | 12/27/23 | 12/27/23 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |

**Client ID:** Lake 7
**ACT Lab No.:** CF09062
**Sample Type:** Surface Water
**Sample Time:** 12/27/23 12:35

| Parameter | Analysis Date Start | End | Method No. | MRL | Result | Unit | Analyst |
|---|---|---|---|---|---|---|---|
| Golden Algae | 12/27/23 | 12/27/23 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |

**Client ID:** Lake 8
**ACT Lab No.:** CF09063
**Sample Type:** Surface Water
**Sample Time:** 12/27/23 12:40

| Parameter | Analysis Date Start | End | Method No. | MRL | Result | Unit | Analyst |
|---|---|---|---|---|---|---|---|
| Golden Algae | 12/27/23 | 12/27/23 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |

**Explanation of Terms:**

Absent = No golden algae* were detected in the submitted sample.
Present 1 = Golden algae* were detected, but rarely observed in the submitted sample.
Present 2 = Golden algae* were detected and commonly observed in the submitted sample.
Present 3 = Golden algae* were detected and were the dominant algae in the submitted sample.

**Prymnesium parvum or toxin producing related species.*

**Reviewed by:** _____

**Frederick A. Amalfi, Ph.D.**
**Laboratory Director**

**Aquatic Consulting & Testing, Inc.**
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Tempe, AZ 85281
480-921-8044 fax: 480-921-0049
lab@aquaticconsulting.com

# Chain of Custody

**Client Project Info:**

*Lake 1-8 Monthly Monitoring*
*Dobson Ranch Association*

**AC&T Client Reporting Information:**

Dobson Ranch Association
2719 South Reyes
Mesa, AZ 85202

Attn: Fran Paqwlak, Community Manager
P: 4/80-831-8314
E:

**AC&T Sampler:** Am

| Sample Location ID: | Date: | Time: | Matrix: | P-T | NO3+NO2 | TKN-Elec | Ammonia (NH3) | E. Coli | #Chl/Pheo | Alage - ID + # | Golden algae | Turb | Field Measurements: pH, Temp, O2 | Sample Containers # / Preservation: None Preserved | Na2S2O3 (Sterile) | HNO3 (Nitric) | H2SO4 (Sulfuric) | Lugols | Other: | AC&T Laboratory Sample Identification |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lake 1 | 12.27.23 | 1200 | SW | | | | | | | | X | X | X | 1 | | | | | | CF09056 |
| Lake 2 | | 1205 | SW | | | | | | | | X | X | X | 1 | | | | | | 9057 |
| Lake 3 | | 1210 | SW | | | | | | | | X | X | X | 1 | | | | | | 9058 |
| Lake 4 | | 1215 | SW | | | | | | | | X | X | X | 1 | | | | | | 9059 |
| Lake 5 | | 1220 | SW | | | | | | | | X | X | X | 1 | | | | | | 9060 |
| Lake 6 | | 1230 | SW | | | | | | | | X | X | X | 1 | | | | | | 9061 |
| Lake 7 | | 1235 | SW | | | | | | | | X | X | X | 1 | | | | | | 9062 |
| Lake 8 | ↓ | 1240 | SW | X | | | | X | | | X | X | X | 1 | | | | | | 9063 |
| | | | | | | | | | | | | | | | | | | | | — |
| | | | | | | | | | | | | | | | | | | | | |

Page 1 of 1

| Project Location: | A C & T Sample Receipt: | | | 1. RELINQUISHED BY: | 3. RELINQUISHED BY: |
|---|---|---|---|---|---|
| Dobson Ranch | Total # Containers: | 8 | | Signature: Andrew Smith | Signature: |
| PO#: | Received Intact: | (YES) | NO | Print Name: Andrew Murrell | Print Name: |
| Lakes Contract | # Bottles Preserved: | # Non: | X | Date: 12.27.23 Time: 1315 | Date: Time: |
| Notes: | Samples On Ice: | YES | (NO) | 2. RECEIVED BY: | 4. RECEIVED BY: |
| | Ice Type: | WET | BLUE | Signature: MR | Signature: |
| | Sample Receipt Temperature: | 17°C | | Print Name: MJ | Print Name: |
| | | | | Date: 12/27/23 Time: 1315 | Date: Time: |

## DOBSON RANCH LAKES
## Bi-Monthly Lake Inspection

Date: 12/6/23

By:

| Lake | Temp | Dis. oxygen | pH | Clarity | Algae | Submerged weeds | Fish behavior | Waterfowl density | Insect activity | Mechanical issues |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14.7 C | 9.6 mg/L | 8.2 SU | 3.4 SDz NTU | ☐Suspended ☐ Floating ☐ Bottom ☐ Attached | ☐ Present ☑ Absent | ☑ Normal ☐ Distress ☐ Dead ___ | No. 16 No/A 1.0 | ☑ Normal ☐ Infestation | Fountain ☑ Operating ☐ No service |
| 2 | 14.7 C | 9.8 mg/L | 8.2 SU | 6.6 SDz NTU | ☐Suspended ☐ Floating ☐ Bottom ☐ Attached | ☐ Present ☑ Absent | ☑ Normal ☐ Distress ☐ Dead ___ | No. 10 No/A 2.0 | ☑ Normal ☐ Infestation | Fountain ☑ Operating ☐ No service |
| 3 | 14.8 C | 10.2 mg/L | 8.2 SU | 6.2 SDz NTU | ☐Suspended ☐ Floating ☐ Bottom ☐ Attached | ☐ Present ☑ Absent | ☑ Normal ☐ Distress ☐ Dead ___ | No. 21 No/A 5.2 | ☑ Normal ☐ Infestation | Fountain ☑ Operating ☐ No service |
| 4 | 13.3 C | 10.1 mg/L | 8.2 SU | 4.2 SDz NTU | ☐Suspended ☐ Floating ☐ Bottom ☐ Attached | ☐ Present ☑ Absent | ☑ Normal ☐ Distress ☐ Dead ___ | No. 10 No/A 3.3 | ☑ Normal ☐ Infestation | Fountain ☑ Operating ☐ No service |
| 5 | 13.9 C | 9.6 mg/L | 8.2 SU | 5.6 SDz NTU | ☐Suspended ☐ Floating ☐ Bottom ☐ Attached | ☐ Present ☑ Absent | ☑ Normal ☐ Distress ☐ Dead ___ | No. 17 No/A 4.2 | ☑ Normal ☐ Infestation | |
| 6 | 15.0 C | 10.7 mg/L | 8.5 SU | 13.0 SDz NTU | ☐Suspended ☐ Floating ☐ Bottom ☐ Attached | ☐ Present ☑ Absent | ☑ Normal ☐ Distress ☐ Dead ___ | No. 84 No/A 14.0 | ☑ Normal ☐ Infestation | |
| 7 | 15.1 C | 9.8 mg/L | 8.4 SU | 2.3 SDz NTU | ☐Suspended ☑ Floating ☐ Bottom ☐ Attached | ☐ Present ☑ Absent | ☑ Normal ☐ Distress ☐ Dead ___ | No. 20 No/A 6.3 | ☑ Normal ☐ Infestation | Fountain ☑ Operating ☐ No service |
| 8 | 14.6 C | 10.0 mg/L | 8.5 SU | 6.0 SDz NTU | ☐Suspended ☐ Floating ☐ Bottom ☐ Attached | ☐ Present ☑ Absent | ☑ Normal ☐ Distress ☐ Dead ___ | No. 12 No/A 4.8 | ☑ Normal ☐ Infestation | Aerators ☑ Operating ☐ No service |

Notes and recommendations for treatment/operation:

7) light microcystis

## DOBSON RANCH LAKES
## Bi-Monthly Lake Inspection

Date: 12/20/23
By: AM

| Lake | Temp | Dis. oxygen | pH | Clarity | Algae | Submerged weeds | Fish behavior | Waterfowl density | Insect activity | Mechanical issues |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 13.8 C | 11.3 mg/L | 8.3 SU | SDz 4.0 NTU | ☐Suspended ☐ Floating ☐ Bottom ☐ Attached | ☐ Present ☑ Absent | ☑ Normal ☐ Distress ☐ Dead ___ | No. 25 No/A 1.6 | ☑ Normal ☐ Infestation | Fountain ☑ Operating ☐ No service |
| 2 | 14.0 C | 10.0 mg/L | 8.0 SU | SDz 3.97 NTU | ☐Suspended ☐ Floating ☐ Bottom ☐ Attached | ☐ Present ☑ Absent | ☑ Normal ☐ Distress ☐ Dead ___ | No. 14 No/A 2.3 | ☑ Normal ☐ Infestation | Fountain ☑ Operating ☐ No service |
| 3 | 13.5 C | 10.1 mg/L | 8.3 SU | SDz 21.4 NTU | ☐Suspended ☐ Floating ☐ Bottom ☐ Attached | ☐ Present ☑ Absent | ☑ Normal ☐ Distress ☐ Dead ___ | No. 21 No/A 5.2 | ☑ Normal ☐ Infestation | Fountain ☑ Operating ☐ No service |
| 4 | 13.6 C | 10.3 mg/L | 8.7 SU | SDz 7.40 NTU | ☐Suspended ☐ Floating ☐ Bottom ☐ Attached | ☐ Present ☑ Absent | ☑ Normal ☐ Distress ☐ Dead ___ | No. 7 No/A 2.3 | ☑ Normal ☐ Infestation | Fountain ☑ Operating ☐ No service |
| 5 | 13.4 C | 10.6 mg/L | 8.3 SU | SDz 5.81 NTU | ☐Suspended ☐ Floating ☐ Bottom ☐ Attached | ☐ Present ☑ Absent | ☑ Normal ☐ Distress ☐ Dead ___ | No. 16 No/A 4.0 | ☑ Normal ☐ Infestation | |
| 6 | 13.3 C | 13.3 mg/L | 8.7 SU | SDz 13.4 NTU | ☐Suspended ☐ Floating ☐ Bottom ☐ Attached | ☐ Present ☑ Absent | ☑ Normal ☐ Distress ☐ Dead ___ | No. 47 No/A 7.8 | ☑ Normal ☐ Infestation | |
| 7 | 14.1 C | 10.4 mg/L | 8.5 SU | SDz 8.43 NTU | ☐Suspended ☐ Floating ☐ Bottom ☐ Attached | ☐ Present ☑ Absent | ☑ Normal ☐ Distress ☐ Dead ___ | No. 29 No/A 6.8 | ☑ Normal ☐ Infestation | Fountain ☑ Operating ☐ No service |
| 8 | 13.6 C | 8.4 mg/L | 8.3 SU | SDz 2.87 NTU | ☐Suspended ☐ Floating ☐ Bottom ☐ Attached | ☐ Present ☑ Absent | ☑ Normal ☐ Distress ☐ Dead ___ | No. 17 No/A 6.8 | ☑ Normal ☐ Infestation | Aerators ☑ Operating ☐ No service |

Notes and recommendations for treatment/operation: