## AQUATIC CONSULTING \& TESTING, INC.

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04 March 2024
Ms. Fran Pawlak, Executive Director
Dobson Ranch HOA
2719 South Reyes
Mesa, Arizona 85202

## February 2024 Lake Report

The following abbreviated report presents the results of field inspections on the Dobson Ranch lakes for the month of February 2024. This report summarizes data collected under the revised program initiated in 2019 that includes comprehensive testing of onehalf 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 also included. Additionally, special E. coli and total phosphorus data are presented for Lake 8.

## February 2024 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 remained low and ranged from a high of 16.9 C to a low of 14.1 C. Water pH was 8.2-8.3 SU indicating low to moderate algae density. Dissolved oxygen ( $9.3-11.2 \mathrm{mg} / \mathrm{L}$ ) was satisfactory for the fishery and fish activity appeared normal. Increases in dissolved oxygen concentration frequently occur during winter because of reduced respiration and decomposition rates at colder temperatures and the ability of cold water to hold more dissolved oxygen than warm water. Transparency was improved at over one meter and turbidity ranged from 2.9-3.4 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. 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. The diatom, Denticula, dominated the phytoplankton. Cell density was very low. No golden algae (Prymnesium parvum or related species) were detected.


## Lake 2

The water temperature of Lake 2 was 14.0-16.9 C. Water pH ranged from 8.0 to 8.2 SU indicating probable low algae density. Dissolved oxygen (9.9-10.2 mg/L) was satisfactory for the fishery and fish activity appeared normal. Transparency was approximately one meter and turbidity was typical at 3.7-4.7NTU. Fountains were in operation.

About two to five waterfowl per acre (2-5/A) were observed and the density is considered excellent to fair 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 Oscillatoria. Total cell density was low in the lake. No golden algae (Prymnesium parvum or related species) were detected.


## Lake 3

Lake temperature range was $14.1-16.5 \mathrm{C}$. Water pH ranged from 8.1 to 8.3 SU . Dissolved oxygen concentration ranged from $9.7-10.5 \mathrm{mg} / \mathrm{L}$ and remained satisfactory for the fishery. Fish activity appeared normal. Transparency was stable at just under one meter. Turbidity was stable, ranging from 4.2 to 4.9 NTU. Fountains were operating throughout the reporting period.

Waterfowl density ranged from eight to nine birds per acre (8-9/A); a "poor" rating. Minimal cormorants were observed. Decreased numbers of waterfowl was not 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. Navicula was the dominant alga. 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 was 14.0-16.3 C. Water pH was moderate at 8.2-8.3 SU and indicated a low to moderate algae density. Dissolved oxygen ( $10.1 \mathrm{mg} / \mathrm{L}$ ) was satisfactory for the fishery and fish activity appeared normal. Transparency was slightly over one meter and turbidity remained low (4.2-5.5 NTU). Fountains were in operation.

Waterfowl density was three per acre (3/A) which is considered good. 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 diatom Navicula, was the dominant form. This alga is unlikely to cause any issues. Total phytoplankton density also was relatively low. No golden algae (Prymnesium parvum or related species) were detected.

## Lake 5

Lake temperature ranged from 13.8-16.4 C during the month. Water pH was 8.2 SU, indicative of a low to moderate algal density. Dissolved oxygen ( $9.4-10.1 \mathrm{mg} / \mathrm{L}$ ) was more than satisfactory for the fishery and fish activity appeared normal. Transparency was just under one meter and turbidity ranged from 3.9-4.2 NTU.

Waterfowl density was about four to nine birds per acre (4-9/A); good to poor 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. The dominant algae was, Cyclotella. 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 13.9-16.8 C during the reporting period. Water pH was variable and elevated, ranging from a low of 8.3 to a high of 8.4 SU , indicating moderate algae density. Dissolved oxygen (9.3-11.4 mg/L) was more than satisfactory for the fishery and fish activity appeared normal. Turbidity ranged from 5.6-11.5 NTU during the month and transparency was less than one meter. Data indicate increased algal growth.

Waterfowl density was approximately six (6/A) 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 diatom (Bacillariophyta) unicell, Cyclotella. The alga is not typically operationally problematic and no issue occurred. Golden algae (Prymnesium parvum or related species) were not detected.

## Lake 7

Lake temperature ranged from 14.1 to 16.8 C . Water pH was 8.2 SU during the reporting period SU. Dissolved oxygen ranged from 9.3 to $10.0 \mathrm{mg} / \mathrm{L}$ and was more than satisfactory for the fishery. Fish activity appeared normal. Transparency was about one meter, with turbidity of 2.8-3.4 NTU. Fountains were in operation.

Waterfowl density was about one bird per acre ( $\sim 1 / \mathrm{A}$ ); excellent 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 again a variety of unicellular green flagellates. Golden algae was not detected in the lake during the reporting period.

## Lake 8

Lake temperatures ranged from 14.1 to 16.9 C during the month. Water pH was 8.2-8.3 SU. Dissolved oxygen concentrations were $10.0-10.1 \mathrm{mg} / \mathrm{L}$ and were satisfactory for the fishery. Fish activity appeared normal. Transparency was about one meter and turbidity correspondingly measured 4.2 to 5.6 NTU. Aerators were not in operation.

Waterfowl density was variable; about seven birds per acre (7/A). The rating would be considered poor 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. The aeration system was not operational during the reporting period.

No submerged weeds were observed. The phytoplankton was dominated by diatoms (Synedra and Navicula). Golden algae was not identified during the reporting period.

## 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, $\mathrm{mg} / \mathrm{L}$ |
| :--- | :---: | :---: |
| $02-07-24$ | 10 | 0.043 |
| $02-22-24$ | 11 | 0.070 |

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 the Phoslock ${ }^{\circledR}$ application occurred on 29 November 2021, no dramatic reduction in phosphorus is shown. However, the impact may be more long-term if it reduces recycling of phosphorus from the sediment. Data collection will be continued.

An application of 325 Kg of SchlixX Plus ${ }^{\circledR}$ was made in early November. The product is designed to degrade organic sludge at the lake bottom, while inactivating and preventing phosphorus recycling. The product was supplied by and application was assisted and supervised by the manufacturer (Oase, Horstel Germany) at no cost to Dobson Association. Sludge depth and phosphorus concentrations will be periodically monitored to track the success of the application.

## Next Month:

Lakes 1-4 are scheduled for comprehensive monitoring starting in March. All lakes will be visually inspected and field data collected two times during the month and checked for golden algae weekly during the peak season. Additional monitoring of Lake 8 phosphorus and $E$. coli will continue.

Respectfully:
Aquatic Consulting \& Testing, Inc.


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


TOTAL PHOSPHORUS LAKE 8


## SUPPORTING DOCUMENTATION

- Laboratory reports
- Field Inspection Sheets
- Pesticide application documents



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## GOLDEN ALGAE REPORT

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

Date Submitted:02/07/24
Date Reported: 03/01/24

Project: Monthly Lake 1-8 Monitorin

RESULTS

| Client ID: Lake 1 <br> ACT Lab No.: CG00893 | Sample Type: Surface Water Sample Time:02/07/24 06:50 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Analysis | Date |  |  |  |  |  |
| Parameter | Start | End | Method No. | MRL | Result | Unit | Analyst |
| Golden Algae | 02/07/24 | 02/07/24 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |
| Turbidity | 02/07/24 | 02/07/24 | 180.1 | 0.1 | 2.9 | NTU | MJ |
| Client ID: Lake 2 | Sample Type: Surface Water Sample Time:02/07/24 07:00 |  |  |  |  |  |  |
| ACT Lab No.: CG00894 |  |  |  |  |  |  |  |
| Analysis Date |  |  |  |  |  |  |  |
| Parameter | Start | End | Method No. | MRL | Result | Unit | Analyst |
| Golden Algae | 02/07/24 | 02/07/24 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |
| Turbidity | 02/07/24 | 02/07/24 | 180.1 | 0.1 | 4.7 | NTU | MJ |

Client ID: Lake 3
ACT Lab No.: CG00895

| Parameter |
| :--- |
| Golden Algae |
| Turbidity |

Sample Type: Surface Water
Sample Time: 02/07/24 07:05
Analysis Date

| Start | End | Method No. | MRL | Result | Unit | Analyst |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 02/07/24 | 02/07/24 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |
| 02/07/24 | 02/07/24 | 180.1 | 0.1 | 4.9 | NTU | MJ |

Client ID: Lake 4
ACT Lab No.: CG00896
Sample Type: Surface Water
Sample Time: 02/07/24 07:15
Analysis Date
Parameter
Golden Algae
Turbidity

| Start | End | Method No. | MRL | Result | Unit | Analyst |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 02/07/24 | 02/07/24 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |
| 02/07/24 | 02/07/24 | 180.1 | 0.1 | 5.5 | NTU | MJ |

## RESULTS

| Client ID: Lake 5 <br> ACT Lab No.: CG00897 | Sample Type: Surface Water <br> Sample Time: 02/07/24 07:20 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Analysi Start | Date End | Method No. | MRL | Result | Unit | Analyst |
| Golden Algae | 02/07/24 | 02/07/24 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |
| Turbidity | 02/07/24 | 02/07/24 | 180.1 | 0.1 | 3.9 | NTU | MJ |
| Client ID: Lake 6 <br> ACT Lab No.: CG00898 |  |  |  | le Typ le Tim | rface W |  |  |
| Parameter | Analysi Start | Date End | Method No. | MRL | Result | Unit | Analyst |
| Golden Algae | 02/07/24 | 02/07/24 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |
| Turbidity | 02/07/24 | 02/07/24 | 180.1 | 0.1 | 12. | NTU | MJ |
| Client ID: Lake 7 <br> ACT Lab No.: CG00899 |  |  | Sam | ple Typ ole Tim | $\begin{aligned} & \text { rfface W } \\ & \text { /07/24 } \end{aligned}$ |  |  |
| Parameter | Analysi Start | Date End | Method No. | MRL | Result | Unit | Analyst |
| Golden Algae | 02/07/24 | 02/07/24 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |
| Turbidity | 02/07/24 | 02/07/24 | 180.1 | 0.1 | 3.4 | NTU | MJ |

## Client ID: Lake 8 <br> ACT Lab No.: CG00900

Sample Type: Surface Water
Sample Time: 02/07/24 07:50
Analysis Date
Parameter
Golden Algae
Phosphorus, Total
E. coli, Colilert
Turbidity

## RESULTS

## 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.



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## GOLDEN ALGAE REPORT

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

Attn: Fran Pawlak, Executive Director
RESULTS

| Client ID: Lake 1 <br> ACT Lab No.: CG01017 | Sample Type: Surface Water <br> Sample Time: 02/13/24 08:00 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter | Analysis Start | Date End | Method No. | MRL | Result | Unit | Analyst |
| Golden Algae | 02/13/24 | 02/13/24 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |
| Client ID: Lake 2 <br> ACT Lab No.: CG01018 |  |  |  | ple Typ ole Tim | arface Wa $2 / 13 / 2408$ |  |  |
| Parameter | Analysi Start | Date End | Method No. | MRL | Result | Unit | Analyst |
| Golden Algae | 02/13/24 | 02/13/24 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |


| Client ID: Lake 3 <br> ACT Lab No.: CG01019 | Sample Type: Surface Water <br> Sample Time: 02/13/24 08:15 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Parameter <br> Golden Algae | Analysis Start 02/13/24 | Date End 02/13/24 | Method No. P/C Microscopy | $\frac{\text { MRL }}{1}$ | Result <br> Absent | Unit <br> Pres/Abs | $\frac{\text { Analyst }}{\text { FAA }}$ |
| Client ID: Lake 4 ACT Lab No.: CG01020 | Sample Type: Surface Water Sample Time: 02/13/24 08:20 |  |  |  |  |  |  |
| Parameter | Analysi <br> Start | Date End | Method No. | MRL | Result | Unit | Analyst |
| Golden Algae | 02/13/24 | 02/13/24 | P/C Microscopy | 1 | Absent | Pres/Abs | FAA |

RESULTS


## 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.



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## LABORATORY REPORT

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

Date Submitted: 02/22/24
Date Reported: 03/07/24

Project: Monthly Lake 1-8 Monitoring

## RESULTS

| Client ID: Lake 1 <br> ACT Lab No.: CG01249 | Sample Type: Surface Water Sample Time: 02/22/24 07:00 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Analysi | Date |  |  |  |
| Parameter | Start | End | Method No. | Result | Unit |
| Golden Algae | 02/22/24 | 02/22/24 | P/C Microscopy | Absent | Pres/Abs |
| Turbidity | 02/22/24 | 02/22/24 | 180.1 | 3.4 | NTU |
| Client ID: Lake 2 <br> ACT Lab No.: CG01250 | Sample Type: Surface Water Sample Time: 02/22/24 07:05 |  |  |  |  |
|  | Analysi | Date |  |  |  |
| Parameter | Start | End | Method No. | Result | Unit |
| Golden Algae | 02/22/24 | 02/22/24 | P/C Microscopy | Absent | Pres/Abs |
| Turbidity | 02/22/24 | 02/22/24 | 180.1 | 3.7 | NTU |


| Client ID: Lake 3 <br> ACT Lab No.: CG01251 | Sample Type: Surface Water Sample Time: 02/22/24 07:10 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Analysis | s Date |  |  |  |
| Parameter | Start | End | Method No. | Result |  |
| Golden Algae | 02/22/24 | 02/22/24 | P/C Microscopy | Absent | Pres/Abs |
| Turbidity | 02/22/24 | 02/22/24 | 180.1 | 4.2 | NTU |
| Client ID: Lake 4 | Sample Type: Surface Water Sample Time: 02/22/24 07:20 |  |  |  |  |
| ACT Lab No.: CG01252 |  |  |  |  |  |
|  | Analysi | s Date |  |  |  |
| Parameter | Start | End | Method No. | Result | Unit |
| Golden Algae | 02/22/24 | 02/22/24 | P/C Microscopy | Absent | Pres/Abs |
| Turbidity | 02/22/24 | 02/22/24 | 180.1 | 5.9 | NTU |

## RESULTS





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## GOLDEN ALGAE REPORT

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

Attn: Fran Pawlak, Executive Director

Date Submitted: 02/28/24
Date Reported: 03/05/24

Project: Monthly Lake 1-8 Monitorin

RESULTS

| Client ID: Lake 1 <br> ACT Lab No.: CG01365 | Sample Type: Surface Water <br> Sample Time: 02/28/24 06:30 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Analysis Date |  |  |  |  |  |  |
| Parameter | Start | End | Method No. | MRL | Result | Unit | Analyst |
| Golden Algae | 03/04/24 | 03/04/24 | /C Microscopy | 1 | Absent | Pres/Abs | ZH |


| Client ID: Lake 2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ACT Lab No.: CG01366 |

Client ID: Lake 4
ACT Lab No.: CG01368
Sample Type: Surface Water
Sample Time: 02/28/24 06:50
Analysis Date

| Parameter | Start | End | Method No. | MRL | Result | Unit | Analyst |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Golden Algae | 03/04/24 | 03/04/24 | /C Microscopy | 1 | Absent | Pres/Abs | ZH |

## RESULTS

| Client ID: Lake 5 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ACT Lab No.: CG01369 |  |  |  |  |



## 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:

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lab@aquaticconsulting.com
AC\&T Client Reporting Information:
Dobson Ranch Association
2719 South Reyes
Mesa, AZ 85202
Attn: Fran Paqwiak, Community Manager
P: 480-831-8314

## AC\&T Sampler:

| Dobson Ranch | Total \# Containers: |  | 8 |  |
| :---: | :---: | :---: | :---: | :---: |
| POII: | Recelved Intact: |  | Yes | NO |
| Lakes Contract | BBotties Proaerved: |  | Non: | $x$ |
| Notes: | Samples On Ice: |  | YES | (NO) |
|  | Ice Type: |  | WET | BLUE |
|  | Sample Recelpt Temperature: |  | $210 C$ |  |

DOBSON RANCH LAKES
Bi-Monthly Lake Inspection

| Lake | Temp | $\begin{gathered} \text { Dis. } \\ \text { oxygen } \end{gathered}$ | pH | Clarity | Algae | Submerged weeds | Fish behavior | Waterfowl density | Insect activity | Mechanical issues |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 14.1 c | $9.3 \mathrm{mg} / \mathrm{L}$ | $87_{\mathrm{su}}$ | $\begin{array}{r} \text { SDz } \\ 2.92 \mathrm{NTU} \end{array}$ | םSuspended <br> $\square$ Floating <br> $\square$ Bottom <br> $\square$ Attached | $\square$ Present ©Absent | - Aormal <br> $\square$ Distress <br> $\square$ Dead $\qquad$ | No. No/A $\qquad$ $\qquad$ | - Normal - Infestation | Fountain moperating - No service |
| 2 | $14.0 \mathrm{C}$ | $10.2 \mathrm{mg} / \mathrm{L}$ | $8.05 \mathrm{su}$ | $\text { L. }{ }^{\text {SDI }} \mathrm{NTU}$ | $\square$ Suspended $\square$ Floating $\square$ Bottom $\square$ Attached | $\square$ Present $\square$ Absent | anormal <br> - Distress <br> $\square$ Dead $\qquad$ | $\text { No. } 29$ <br> No/A $\qquad$ | q2 Normal - Infestation | Fountain operating - No service |
| 3 | 14.1 c | $9.7 \mathrm{mg} / \mathrm{L}$ | $8 \cdot 15 u$ | $\frac{\mathrm{SDz}}{4.9 / 4 \mathrm{NTU}}$ | םSuspended <br> $\square$ Floating <br> Bottom <br> $\square$ Attached | $\square$ Present QAbsent | © Drormal <br> - Distress <br> $\square$ Dead $\qquad$ | $\begin{aligned} & \text { No. } 33 \\ & \text { NolA } \end{aligned}$ | - Wormal - Infestation | Fountain obperating $\square$ No service |
| 4 | $14.0_{C}$ | $10.1 \mathrm{mg} / \mathrm{L}$ | $8.2 \mathrm{su}$ |  | םSuspended <br> $\square$ Floating <br> - Bottom <br> - Attached | $\square$ Present eAbsent | codrormal <br> $\square$ Distress <br> $\square$ Dead $\qquad$ | No. <br> No/A $\qquad$ | DHormal - Infestation | Fountain IOperating $\square$ No service |
| 5 | $3.8 c$ | $10.1 \mathrm{mg} / \mathrm{L}$ | $8.7 \mathrm{su}$ | $\begin{array}{r} \mathrm{SDz} \\ 3.94 \mathrm{NTU} \end{array}$ | םSuspended <br> $\square$ Floating <br> $\square$ Bottom <br> $\square$ Attached | $\square$ Present - Absent | - Dormal $\square$ Distress <br> $\square$ Dead $\qquad$ | No. NolA $\qquad$ | anormal - Infestation |  |
| 6 | $13.9 \mathrm{c}$ | $11.4 \mathrm{mg} / \mathrm{L}$ | $8.4 \mathrm{su}$ | $\frac{\mathrm{SDz}}{1.5 \mathrm{NTU}}$ | aSuspended <br> $\square$ Floating <br> $\square$ Bottom <br> $\square$ Attached | $\square$ Present edbsent | anormal <br> $\square$ Distress <br> $\square$ Dead $\qquad$ | No. <br> No/A $\qquad$ | DAbrmal - Infestation |  |
| 7 | $141 .$ | $9.3 \mathrm{mg} / \mathrm{L}$ | $875 u$ | $\begin{array}{r} \mathrm{SDz} \\ 3.42 \mathrm{NTU} \end{array}$ | aSuspended <br> $\square$ Floating <br> $\square$ Bottom <br> $\square$ Attached | $\square$ Present DiAbsent | anormal <br> - Distress <br> $\square$ Dead $\qquad$ | No. <br> No/A $\qquad$ | didrmal - Infestation | Fountain GOperating $\square$ No service |
| 8 | $1410$ | $100 \mathrm{mg} / \mathrm{L}$ | $805$ | $\begin{gathered} \mathrm{SDz} \\ 5.64 \mathrm{NTU} \end{gathered}$ | $\square$ Suspended <br> $\square$ Floating <br> - Bottom <br> $\square$ Attached | $\square$ Present i. Absent | q Dibrmal <br> $\square$ Dead $\qquad$ | No. No/A $\qquad$ | OAbrmal - Infestation | Aerators - Operating $\square$ No service |

Notes and recommendations for treatment/operation:

## DOBSON RANCH LAKES

Bi-Monthly Lake Inspection

| Lake | Temp | Dis. oxygen | pH | Clarity | Algae | Submerged weeds | Fish behavior | Waterfowl density | Insect activity | Mechanical issues |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 16.9 C | $1 / .2$ mg/L | $8,3 \mathrm{su}$ | $\frac{\mathrm{SDz}}{3.4 \mathrm{NTU}}$ | -Suspended <br> $\square$ Floating <br> - Bottom <br> $\square$ Attached | Present Absent | - Normal <br> $\square$ Distress <br> $\square$ Dead $\qquad$ | No. No/A | $\begin{aligned} & \text { O-Normal } \\ & \text { I Infestation } \end{aligned}$ | Fountain D-Operating <br> $\square$ No service |
| 2 | 16.9 | $9.9 \mathrm{mg} / \mathrm{L}$ | $82 \mathrm{su}$ | $\begin{array}{r} \text { SDz } \\ 37 \text { NTU } \end{array}$ | -Suspended <br> $\square$ Floating <br> - Bottom <br> - Attached | $\square$ Present DAbsent | qNormal <br> - Distress <br> $\square$ Dead $\qquad$ | No. No/A | D-Normal <br> - Infestation | Fountain DOperating $\square$ No service |
| 3 | $16.5$ | $10.5 \mathrm{mg} / \mathrm{L}$ | $8.3 \mathrm{su}$ | $\frac{\mathrm{SDz}}{42 \mathrm{NTU}}$ | $\square$ Suspended <br> - Floating <br> $\square$ Bottom <br> $\square$ Attached | $\square$ Present -Absent | a-Normal <br> $\square$ Distress <br> $\square$ Dead $\qquad$ | No. No/A $\qquad$ $\qquad$ | a Normal - Infestation | Fountain Operating <br> No service |
| 4 | $16.3 c$ | $10.1 \mathrm{mg} / \mathrm{L}$ | $0.3 \mathrm{Su}$ | $\begin{array}{r} \mathrm{SDz} \\ \mathrm{S.9} \mathrm{NTU} \end{array}$ | aSuspended <br> $\square$ Floating <br> - Bottom <br> - Attached | $\begin{aligned} & \text { Present } \\ & \text { A Absent } \end{aligned}$ | onormal <br> - Distress <br> - Dead $\qquad$ | No. No/A | 日-Normal - Infestation | Fountain -Operating <br> $\square$ No service |
| 5 | $16.4$ | $9.4 \mathrm{mg} / \mathrm{L}$ | 835 | $\begin{array}{r} \mathrm{SDz} \\ 4.2 \mathrm{NTU} \end{array}$ | -Suspended <br> $\square$ Floating <br> - Bottom <br> - Attached | - Present <br> P. Absent | aNormal <br> Distress <br> Dead $\qquad$ | No. No/A $\qquad$ | ENormal $\square$ Infestation |  |
| 6 | $16.80$ | $9.3 \mathrm{mg} / \mathrm{L}$ | 83 Su | $\begin{array}{r} \text { SDz } \\ \operatorname{Si6NTU} \end{array}$ | -Suspended <br> Floating <br> Bottom <br> - Attached | $\begin{aligned} & \square \text { Present } \\ & \text { A Absent } \end{aligned}$ | DNormal <br> Distress <br> $\square$ Dead $\qquad$ | No. No/A $\qquad$ $\qquad$ | ©Normal <br> - Infestation |  |
| 7 | $16.8 \mathrm{c}$ | $10.0 \mathrm{mg} / \mathrm{L}$ | $8.2 \mathrm{su}$ | $\frac{\mathrm{SDz}}{2.8 \mathrm{NTU}}$ | -Suspended $\square$ Floating $\square$ Bottom $\square$ Attached | - Present LAbsent | $\begin{aligned} & \text { a Normal } \\ & \square \text { Distress } \\ & \square \text { Dead } \end{aligned}$ | No. NolA $\qquad$ $\qquad$ | ©-Normal <br> - Infestation | Fountain GOperating |
| 8 | $16.9$ | $0 \cdot 1 \mathrm{mg} / \mathrm{L}$ | $\text { (8), } 30$ | $\begin{array}{r} \text { SDz } \\ 4.2 N T U \end{array}$ | $\square$ Suspended $\square$ Floating $\square$ Bottom $\square$ Attached | $\begin{aligned} & \square \text { Present } \\ & \square \text { Absent } \end{aligned}$ |  <br> Normal <br> Distress <br> Dead $\qquad$ | No. NolA $\qquad$ $\qquad$ | Normal <br> Infestation | Aerators <br> $\square$ Operating <br> WNo service |

(8) Aerators out

