

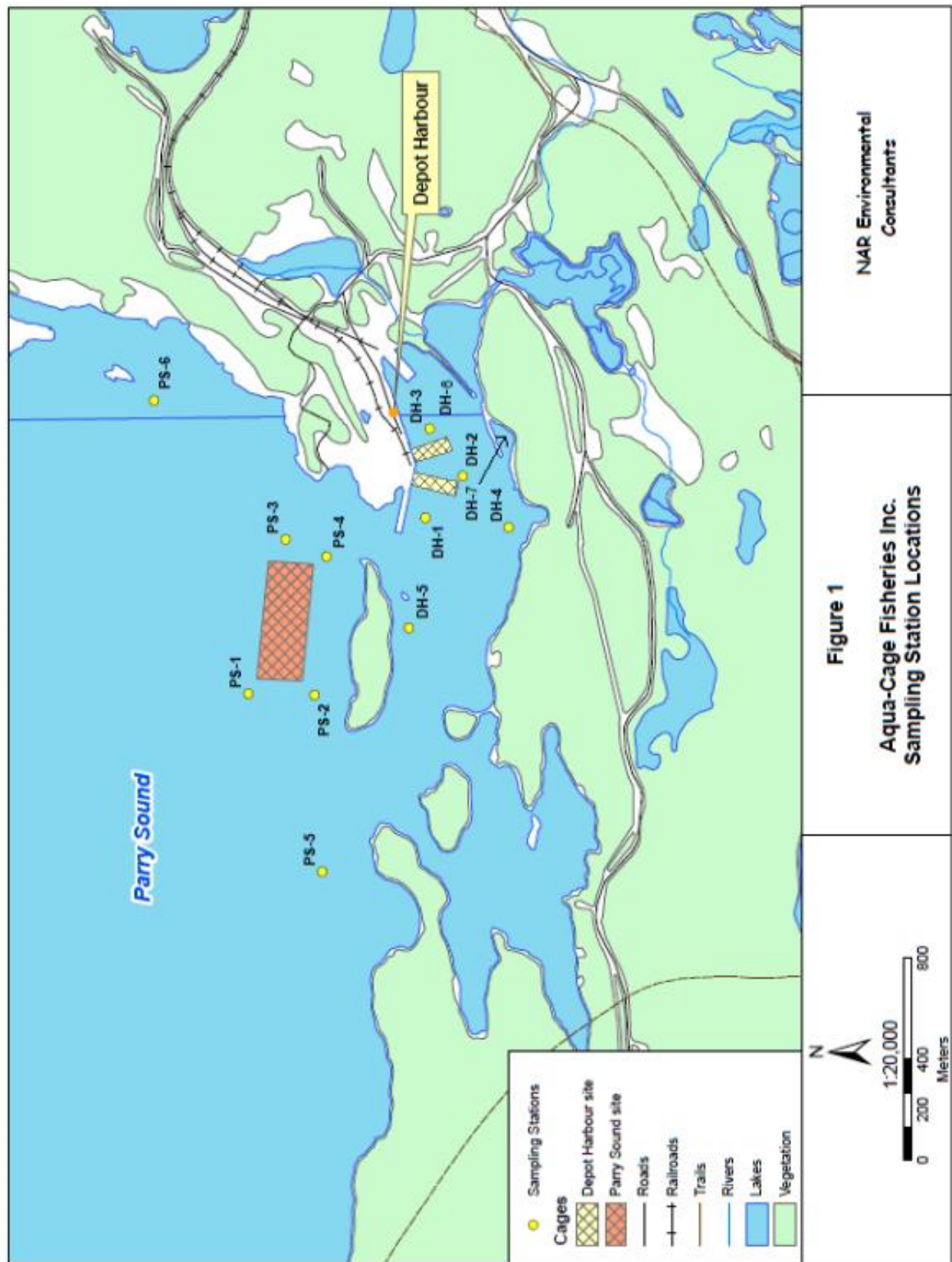


Figure 1: Location of Aqua-Cage Water Quality Monitoring Stations and cage array.

**Table 2: Depot Harbour and Parry Sound Sample Locations and Depths, Aqua-cage Fisheries Ltd.-2023**

| <b>Sample Site Designation</b> | <b>UTM Coordinates (Zone 17 NAD 27)</b> | <b>Sample Site Description</b> | <b>Site Depth (m)</b> |
|--------------------------------|-----------------------------------------|--------------------------------|-----------------------|
| DH-1                           | 570078 E<br>5018463 N                   | Test                           | 10.5                  |
| DH-2                           | 570307 E<br>5018199 N                   | Test                           | 10                    |
| DH-3                           | 570464 E<br>5018408 N                   | Test                           | 6.5                   |
| DH-4                           | 570134 E<br>5018071 N                   | Reference                      | 5                     |
| DH-5                           | 569840 E<br>5018467 N                   | Reference                      | 4                     |
| DH-6                           | 570504 E<br>5018265 N                   | Additional Reference           | 7                     |
| DH-7                           | 570437 E<br>5018084 N                   | Additional Reference           | 2                     |
| PS-1                           | 569325 E<br>5019139 N                   | Test                           | 70                    |
| PS-2                           | 569355 E<br>5018800 N                   | Test                           | 20                    |
| PS-3                           | 570005 E<br>5019006 N                   | Test                           | 50                    |
| PS-4                           | 569924 E<br>5018723 N                   | Test                           | 22                    |
| PS-5                           | 568867 E<br>5018712 N                   | Reference                      | 24                    |
| PS-6                           | 570474 E<br>5019128 N                   | Reference                      | 19                    |



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## CERTIFICATE OF ANALYSIS

Aqua-Cage Fisheries

Work Order Number: 498701

### WORK ORDER RESULTS

| Sample Description                  | P81                |       | P82                |       | P83                |       | P84                |       |       |
|-------------------------------------|--------------------|-------|--------------------|-------|--------------------|-------|--------------------|-------|-------|
| Sample Date                         | 5/10/2023 10:45 AM |       | 5/10/2023 10:45 AM |       | 5/10/2023 10:45 AM |       | 5/10/2023 10:45 AM |       |       |
| Lab ID                              | 1878713            |       | 1878714            |       | 1878715            |       | 1878716            |       |       |
| General Chemistry                   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | <0.001             | 0.001 | <0.001             | 0.001 | 0.004              | 0.001 | 0.002              | 0.001 | mg/L  |
| Sample Description                  | P85                |       | P86                |       | P87                |       | P88                |       |       |
| Sample Date                         | 5/10/2023 10:45 AM |       | 5/10/2023 10:45 AM |       | 5/10/2023 10:45 AM |       | 5/10/2023 10:45 AM |       |       |
| Lab ID                              | 1878717            |       | 1878718            |       | 1878719            |       | 1878720            |       |       |
| General Chemistry                   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | <0.001             | 0.001 | 0.006              | 0.001 | <0.001             | 0.001 | 0.001              | 0.001 | mg/L  |
| Sample Description                  | DH1                |       | DH2                |       | DH3                |       | DH4                |       |       |
| Sample Date                         | 5/10/2023 10:45 AM |       | 5/10/2023 10:45 AM |       | 5/10/2023 10:45 AM |       | 5/10/2023 10:45 AM |       |       |
| Lab ID                              | 1878721            |       | 1878722            |       | 1878723            |       | 1878724            |       |       |
| General Chemistry                   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.006              | 0.001 | 0.010              | 0.001 | <0.001             | 0.001 | <0.001             | 0.001 | mg/L  |
| Sample Description                  | DH5                |       | DH6                |       | DH7                |       | DH8                |       |       |
| Sample Date                         | 5/10/2023 10:45 AM |       | 5/10/2023 10:45 AM |       | 5/10/2023 10:45 AM |       | 5/10/2023 10:45 AM |       |       |
| Lab ID                              | 1878725            |       | 1878726            |       | 1878727            |       | 1878728            |       |       |
| General Chemistry                   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.003              | 0.001 | 0.003              | 0.001 | 0.003              | 0.001 | <0.001             | 0.001 | mg/L  |

Date of Issue: 05/16/2023 16:31

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## CERTIFICATE OF ANALYSIS

Aqua-Cage Fisheries

Work Order Number: 498701

| Sample Description                  | DH9                |       |       |
|-------------------------------------|--------------------|-------|-------|
| Sample Date                         | 5/10/2023 10:45 AM |       |       |
| Lab ID                              | 1878729            |       |       |
| General Chemistry                   | Result             | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.002<br>[0.002]   | 0.001 | mg/L  |



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## CERTIFICATE OF ANALYSIS

Aqua-Cage Fisheries

Work Order Number: 499406

### WORK ORDER RESULTS

| Sample Description                  | P81                |       | P82                |       | P83                |       | P84                |       |       |
|-------------------------------------|--------------------|-------|--------------------|-------|--------------------|-------|--------------------|-------|-------|
| Sample Date                         | 5/16/2023 11:00 AM |       | 5/16/2023 11:00 AM |       | 5/16/2023 11:00 AM |       | 5/16/2023 11:00 AM |       |       |
| Lab ID                              | 1881286            |       | 1881287            |       | 1881288            |       | 1881289            |       |       |
| General Chemistry                   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.006<br>[0.006]   | 0.001 | 0.005              | 0.001 | 0.003              | 0.001 | 0.004              | 0.001 | mg/L  |

| Sample Description                  | P85                |       | P86                |       | P87                |       | P88                |       |       |
|-------------------------------------|--------------------|-------|--------------------|-------|--------------------|-------|--------------------|-------|-------|
| Sample Date                         | 5/16/2023 11:00 AM |       | 5/16/2023 11:00 AM |       | 5/16/2023 11:00 AM |       | 5/16/2023 11:00 AM |       |       |
| Lab ID                              | 1881290            |       | 1881291            |       | 1881292            |       | 1881293            |       |       |
| General Chemistry                   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.020              | 0.001 | 0.004              | 0.001 | <0.001             | 0.001 | 0.003              | 0.001 | mg/L  |

| Sample Description                  | DH1                |       | DH2                |       | DH3                |       | DH4                |       |       |
|-------------------------------------|--------------------|-------|--------------------|-------|--------------------|-------|--------------------|-------|-------|
| Sample Date                         | 5/16/2023 11:00 AM |       | 5/16/2023 11:00 AM |       | 5/16/2023 11:00 AM |       | 5/16/2023 11:00 AM |       |       |
| Lab ID                              | 1881294            |       | 1881295            |       | 1881296            |       | 1881297            |       |       |
| General Chemistry                   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.006              | 0.001 | 0.004              | 0.001 | 0.002              | 0.001 | 0.005              | 0.001 | mg/L  |

| Sample Description                  | DH5                |       | DH6                |       | DH7                |       | DH8                |       |       |
|-------------------------------------|--------------------|-------|--------------------|-------|--------------------|-------|--------------------|-------|-------|
| Sample Date                         | 5/16/2023 11:00 AM |       | 5/16/2023 11:00 AM |       | 5/16/2023 11:00 AM |       | 5/16/2023 11:00 AM |       |       |
| Lab ID                              | 1881298            |       | 1881299            |       | 1881300            |       | 1881301            |       |       |
| General Chemistry                   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.003              | 0.001 | 0.005              | 0.001 | 0.012              | 0.001 | 0.003              | 0.001 | mg/L  |

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## CERTIFICATE OF ANALYSIS

Aqua-Cage Fisheries

Work Order Number: 499406

| Sample Description                  | DH9                |       |       |
|-------------------------------------|--------------------|-------|-------|
| Sample Date                         | 5/16/2023 11:00 AM |       |       |
| Lab ID                              | 1881302            |       |       |
| General Chemistry                   | Result             | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | <0.001<br>[<0.001] | 0.001 | mg/L  |



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## CERTIFICATE OF ANALYSIS

Aqua-Cage Fisheries

Work Order Number: 500051

### WORK ORDER RESULTS

| Sample Description                  | P61               |       | P62                |       | P63               |       | P64               |       |       |
|-------------------------------------|-------------------|-------|--------------------|-------|-------------------|-------|-------------------|-------|-------|
| Sample Date                         | 5/23/2023 8:30 AM |       | 5/23/2023 8:30 AM  |       | 5/23/2023 8:30 AM |       | 5/23/2023 8:30 AM |       |       |
| Lab ID                              | 1883660           |       | 1883661            |       | 1883662           |       | 1883663           |       |       |
| General Chemistry                   | Result            | MDL   | Result             | MDL   | Result            | MDL   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.001             | 0.001 | <0.001<br>[<0.001] | 0.001 | 0.001             | 0.001 | 0.002             | 0.001 | mg/L  |

| Sample Description                  | P65               |       | P66               |       | P67               |       | P68               |       |       |
|-------------------------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------|
| Sample Date                         | 5/23/2023 8:30 AM |       | 5/23/2023 8:30 AM |       | 5/23/2023 8:30 AM |       | 5/23/2023 8:30 AM |       |       |
| Lab ID                              | 1883664           |       | 1883665           |       | 1883666           |       | 1883667           |       |       |
| General Chemistry                   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | <0.001            | 0.001 | 0.002             | 0.001 | <0.001            | 0.001 | <0.001            | 0.001 | mg/L  |

| Sample Description                  | DH1               |       | DH2               |       | DH3               |       | DH4               |       |       |
|-------------------------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------|
| Sample Date                         | 5/23/2023 8:30 AM |       | 5/23/2023 8:30 AM |       | 5/23/2023 8:30 AM |       | 5/23/2023 8:30 AM |       |       |
| Lab ID                              | 1883668           |       | 1883669           |       | 1883670           |       | 1883671           |       |       |
| General Chemistry                   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | <0.001            | 0.001 | <0.001            | 0.001 | <0.001            | 0.001 | 0.003             | 0.001 | mg/L  |

| Sample Description                  | DH5               |       | DH6               |       | DH7               |       | DH8               |       |       |
|-------------------------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------|
| Sample Date                         | 5/23/2023 8:30 AM |       | 5/23/2023 8:30 AM |       | 5/23/2023 8:30 AM |       | 5/23/2023 8:30 AM |       |       |
| Lab ID                              | 1883672           |       | 1883673           |       | 1883674           |       | 1883675           |       |       |
| General Chemistry                   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | <0.001            | 0.001 | 0.001             | 0.001 | 0.002             | 0.001 | <0.001            | 0.001 | mg/L  |

Date of Issue: 05/29/2023 12:29

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## CERTIFICATE OF ANALYSIS

Aqua-Cage Fisheries

Work Order Number: 500051

| Sample Description                  | DH9               |       |       |
|-------------------------------------|-------------------|-------|-------|
| Sample Date                         | 5/23/2023 8:30 AM |       |       |
| Lab ID                              | 1883676           |       |       |
| General Chemistry                   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | <0.001            | 0.001 | mg/L  |



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## CERTIFICATE OF ANALYSIS

Aqua-Cage Fisheries

Work Order Number: 501733

### WORK ORDER RESULTS

| Sample Description                  | PS1               |       | PS2               |       | PS3               |       | PS4               |       |       |
|-------------------------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------|
| Sample Date                         | 6/6/2023 10:00 AM |       | 6/6/2023 10:00 AM |       | 6/6/2023 10:00 AM |       | 6/6/2023 10:00 AM |       |       |
| Lab ID                              | 1889767           |       | 1889768           |       | 1889769           |       | 1889770           |       |       |
| General Chemistry                   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.004             | 0.001 | 0.005             | 0.001 | 0.003             | 0.001 | 0.003             | 0.001 | mg/L  |

| Sample Description                  | PS5               |       | PS6               |       | PS7               |       | PS8               |       |       |
|-------------------------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------|
| Sample Date                         | 6/6/2023 10:00 AM |       | 6/6/2023 10:00 AM |       | 6/6/2023 10:00 AM |       | 6/6/2023 10:00 AM |       |       |
| Lab ID                              | 1889771           |       | 1889772           |       | 1889773           |       | 1889774           |       |       |
| General Chemistry                   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.002             | 0.001 | 0.003             | 0.001 | <0.001            | 0.001 | <0.001            | 0.001 | mg/L  |

| Sample Description                  | DH1               |       | DH2               |       | DH3               |       | DH4               |       |       |
|-------------------------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------|
| Sample Date                         | 6/6/2023 10:00 AM |       | 6/6/2023 10:00 AM |       | 6/6/2023 10:00 AM |       | 6/6/2023 10:00 AM |       |       |
| Lab ID                              | 1889775           |       | 1889776           |       | 1889777           |       | 1889778           |       |       |
| General Chemistry                   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.003             | 0.001 | 0.003             | 0.001 | <0.001            | 0.001 | 0.002             | 0.001 | mg/L  |

| Sample Description                  | DH5               |       | DH6               |       | DH7               |       | DH8               |       |       |
|-------------------------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------|
| Sample Date                         | 6/6/2023 10:00 AM |       | 6/6/2023 10:00 AM |       | 6/6/2023 10:00 AM |       | 6/6/2023 10:00 AM |       |       |
| Lab ID                              | 1889779           |       | 1889780           |       | 1889781           |       | 1889782           |       |       |
| General Chemistry                   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.006             | 0.001 | 0.003             | 0.001 | 0.007<br>[0.007]  | 0.001 | 0.002             | 0.001 | mg/L  |

Date of Issue: 06/13/2023 16:57

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## CERTIFICATE OF ANALYSIS

Aqua-Cage Fisheries

Work Order Number: 501733

| Sample Description                  | DH9               |       |       |
|-------------------------------------|-------------------|-------|-------|
| Sample Date                         | 6/6/2023 10:00 AM |       |       |
| Lab ID                              | 1889783           |       |       |
| General Chemistry                   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | <0.001            | 0.001 | mg/L  |



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## CERTIFICATE OF ANALYSIS

Aqua-Cage Fisheries

Work Order Number: 505059

### WORK ORDER RESULTS

| Sample Description                  | PS1               |       | PS2               |       | PS3               |       | PS4               |       |       |
|-------------------------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------|
| Sample Date                         | 7/4/2023 10:30 AM |       | 7/4/2023 10:30 AM |       | 7/4/2023 10:30 AM |       | 7/4/2023 10:30 AM |       |       |
| Lab ID                              | 1901286           |       | 1901287           |       | 1901288           |       | 1901289           |       |       |
| General Chemistry                   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.009<br>[0.007]  | 0.001 | 0.006             | 0.001 | 0.007             | 0.001 | 0.006             | 0.001 | mg/L  |

| Sample Description                  | PS5               |       | PS6               |       | PS7               |       | PS8               |       |       |
|-------------------------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------|
| Sample Date                         | 7/4/2023 10:30 AM |       | 7/4/2023 10:30 AM |       | 7/4/2023 10:30 AM |       | 7/4/2023 10:30 AM |       |       |
| Lab ID                              | 1901290           |       | 1901291           |       | 1901292           |       | 1901293           |       |       |
| General Chemistry                   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.007             | 0.001 | 0.014             | 0.001 | <0.001            | 0.001 | 0.004             | 0.001 | mg/L  |

| Sample Description                  | DH1               |       | DH2               |       | DH3               |       | DH4               |       |       |
|-------------------------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------|
| Sample Date                         | 7/4/2023 10:30 AM |       | 7/4/2023 10:30 AM |       | 7/4/2023 10:30 AM |       | 7/4/2023 10:30 AM |       |       |
| Lab ID                              | 1901294           |       | 1901295           |       | 1901296           |       | 1901297           |       |       |
| General Chemistry                   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.005             | 0.001 | 0.005             | 0.001 | 0.004             | 0.001 | 0.007             | 0.001 | mg/L  |

| Sample Description                  | DH5               |       | DH6               |       | DH7               |       | DH8               |       |       |
|-------------------------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------|
| Sample Date                         | 7/4/2023 10:30 AM |       | 7/4/2023 10:30 AM |       | 7/4/2023 10:30 AM |       | 7/4/2023 10:30 AM |       |       |
| Lab ID                              | 1901298           |       | 1901299           |       | 1901300           |       | 1901301           |       |       |
| General Chemistry                   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.006             | 0.001 | 0.002             | 0.001 | 0.006             | 0.001 | 0.005             | 0.001 | mg/L  |

Date of Issue: 07/11/2023 16:42

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## CERTIFICATE OF ANALYSIS

Aqua-Cage Fisheries

Work Order Number: 505059

| Sample Description                  | DH9               |       |       |
|-------------------------------------|-------------------|-------|-------|
| Sample Date                         | 7/4/2023 10:30 AM |       |       |
| Lab ID                              | 1901302           |       |       |
| General Chemistry                   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.003             | 0.001 | mg/L  |

## CERTIFICATE OF ANALYSIS

Aqua-Cage Fisheries

Work Order Number: 508787

### METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):

| Method                     | Lab    | Description                                                       | Reference                                           |
|----------------------------|--------|-------------------------------------------------------------------|-----------------------------------------------------|
| Low Level TP Water (A23.3) | Garson | Determination of Low Level Total Phosphorus in Aquaculture Water. | Modified from EPA 365.3, ESS 310.2, and APHA-4500-P |

This report has been approved by:



 Marc Creighton  
 Laboratory Director

### WORK ORDER RESULTS

| Sample Description                  | P61               |       | P62               |       | P63               |       | P64               |       |       |
|-------------------------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------|
| Sample Date                         | 8/9/2023 10:30 AM |       | 8/9/2023 10:30 AM |       | 8/9/2023 10:30 AM |       | 8/9/2023 10:30 AM |       |       |
| Lab ID                              | 1914765           |       | 1914766           |       | 1914767           |       | 1914768           |       |       |
| General Chemistry                   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.002             | 0.001 | 0.017             | 0.001 | 0.001             | 0.001 | 0.002             | 0.001 | mg/L  |

| Sample Description                  | P65               |       | P66               |       | P67               |       | P68               |       |       |
|-------------------------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------|
| Sample Date                         | 8/9/2023 10:30 AM |       | 8/9/2023 10:30 AM |       | 8/9/2023 10:30 AM |       | 8/9/2023 10:30 AM |       |       |
| Lab ID                              | 1914769           |       | 1914770           |       | 1914771           |       | 1914772           |       |       |
| General Chemistry                   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | <0.001            | 0.001 | <0.001            | 0.001 | <0.001            | 0.001 | <0.001            | 0.001 | mg/L  |

Date of Issue: 08/17/2023 14:39

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## CERTIFICATE OF ANALYSIS

Aqua-Cage Fisheries

Work Order Number: 508787

| Sample Description                  | DH1               |       | DH2               |       | DH3               |       | DH4               |       |       |
|-------------------------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------|
| Sample Date                         | 8/9/2023 10:30 AM |       | 8/9/2023 10:30 AM |       | 8/9/2023 10:30 AM |       | 8/9/2023 10:30 AM |       |       |
| Lab ID                              | 1914773           |       | 1914774           |       | 1914775           |       | 1914776           |       |       |
| General Chemistry                   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | <0.001            | 0.001 | 0.013             | 0.001 | 0.002             | 0.001 | <0.001            | 0.001 | mg/L  |

| Sample Description                  | DH5               |       | DH6               |       | DH7               |       | DH8               |       |       |
|-------------------------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------|
| Sample Date                         | 8/9/2023 10:30 AM |       | 8/9/2023 10:30 AM |       | 8/9/2023 10:30 AM |       | 8/9/2023 10:30 AM |       |       |
| Lab ID                              | 1914777           |       | 1914778           |       | 1914779           |       | 1914780           |       |       |
| General Chemistry                   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | <0.001            | 0.001 | 0.002 [0.002]     | 0.001 | <0.001 [0.001]    | 0.001 | <0.001            | 0.001 | mg/L  |

| Sample Description                  | DH9               |       |       |
|-------------------------------------|-------------------|-------|-------|
| Sample Date                         | 8/9/2023 10:30 AM |       |       |
| Lab ID                              | 1914781           |       |       |
| General Chemistry                   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | <0.001            | 0.001 | mg/L  |

Date of Issue: 08/17/2023 14:39

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## CERTIFICATE OF ANALYSIS

Aqua-Cage Fisheries

Work Order Number: 512163

### METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):

| Method                     | Lab    | Description                                                       | Reference                                           |
|----------------------------|--------|-------------------------------------------------------------------|-----------------------------------------------------|
| Low Level TP Water (A23.3) | Garson | Determination of Low Level Total Phosphorus in Aquaculture Water. | Modified from EPA 365.3, ESS 310.2, and APHA-4500-P |

This report has been approved by:

Marc Creighton  
Laboratory Director

### WORK ORDER RESULTS

| Sample Description                  | PS1                |       | PS2                |       | PS3                |       | PS4                |       |       |
|-------------------------------------|--------------------|-------|--------------------|-------|--------------------|-------|--------------------|-------|-------|
| Sample Date                         | 9/11/2023 10:00 AM |       | 9/11/2023 10:00 AM |       | 9/11/2023 10:00 AM |       | 9/11/2023 10:00 AM |       |       |
| Lab ID                              | 1926581            |       | 1926582            |       | 1926583            |       | 1926584            |       |       |
| General Chemistry                   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.005              | 0.001 | 0.005              | 0.001 | 0.003              | 0.001 | 0.003              | 0.001 | mg/L  |

| Sample Description                  | PS5                |       | PS6                |       | PS7                |       | PS8                |       |       |
|-------------------------------------|--------------------|-------|--------------------|-------|--------------------|-------|--------------------|-------|-------|
| Sample Date                         | 9/11/2023 10:00 AM |       | 9/11/2023 10:00 AM |       | 9/11/2023 10:00 AM |       | 9/11/2023 10:00 AM |       |       |
| Lab ID                              | 1926585            |       | 1926586            |       | 1926587            |       | 1926588            |       |       |
| General Chemistry                   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.003              | 0.001 | 0.004              | 0.001 | <0.001             | 0.001 | <0.001             | 0.001 | mg/L  |

Date of Issue: 09/15/2023 10:25

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## CERTIFICATE OF ANALYSIS

Aqua-Cage Fisheries

Work Order Number: 512163

| Sample Description                  | DH1                |       | DH2                |       | DH3                |       | DH4                |       |       |
|-------------------------------------|--------------------|-------|--------------------|-------|--------------------|-------|--------------------|-------|-------|
| Sample Date                         | 9/11/2023 10:00 AM |       | 9/11/2023 10:00 AM |       | 9/11/2023 10:00 AM |       | 9/11/2023 10:00 AM |       |       |
| Lab ID                              | 1926589            |       | 1926590            |       | 1926591            |       | 1926592            |       |       |
| General Chemistry                   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.006              | 0.001 | 0.004              | 0.001 | 0.003              | 0.001 | 0.003              | 0.001 | mg/L  |

| Sample Description                  | DH5                |       | DH6                |       | DH7                |       | DH8                |       |       |
|-------------------------------------|--------------------|-------|--------------------|-------|--------------------|-------|--------------------|-------|-------|
| Sample Date                         | 9/11/2023 10:00 AM |       | 9/11/2023 10:00 AM |       | 9/11/2023 10:00 AM |       | 9/11/2023 10:00 AM |       |       |
| Lab ID                              | 1926593            |       | 1926594            |       | 1926595            |       | 1926596            |       |       |
| General Chemistry                   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.005              | 0.001 | 0.003              | 0.001 | 0.006              | 0.001 | 0.002              | 0.001 | mg/L  |

| Sample Description                  | DH9                |       |       |
|-------------------------------------|--------------------|-------|-------|
| Sample Date                         | 9/11/2023 10:00 AM |       |       |
| Lab ID                              | 1926597            |       |       |
| General Chemistry                   | Result             | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | <0.001<br>[<0.001] | 0.001 | mg/L  |



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## CERTIFICATE OF ANALYSIS

Aqua-Cage Fisheries

Work Order Number: 514893

### METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):

| Method                     | Lab    | Description                                                       | Reference                                           |
|----------------------------|--------|-------------------------------------------------------------------|-----------------------------------------------------|
| Low Level TP Water (A23.3) | Garson | Determination of Low Level Total Phosphorus in Aquaculture Water. | Modified from EPA 365.3, ESS 310.2, and APHA-4500-P |

This report has been approved by:

Marc Creighton  
Laboratory Director

### WORK ORDER RESULTS

| Sample Description                  | P61               |       | P62               |       | P63               |       | P64               |       |       |
|-------------------------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------|
| Sample Date                         | 10/4/2023 9:30 AM |       | 10/4/2023 9:30 AM |       | 10/4/2023 9:30 AM |       | 10/4/2023 9:30 AM |       |       |
| Lab ID                              | 1936428           |       | 1936429           |       | 1936430           |       | 1936431           |       |       |
| General Chemistry                   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.005             | 0.001 | 0.008             | 0.001 | 0.003<br>[0.003]  | 0.001 | 0.007             | 0.001 | mg/L  |

| Sample Description                  | P65               |       | P66               |       | P67               |       | P68               |       |       |
|-------------------------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------|
| Sample Date                         | 10/4/2023 9:30 AM |       | 10/4/2023 9:30 AM |       | 10/4/2023 9:30 AM |       | 10/4/2023 9:30 AM |       |       |
| Lab ID                              | 1936432           |       | 1936433           |       | 1936434           |       | 1936435           |       |       |
| General Chemistry                   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.004             | 0.001 | 0.004             | 0.001 | 0.004             | 0.001 | 0.028             | 0.001 | mg/L  |

Date of Issue: 10/16/2023 16:15

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## CERTIFICATE OF ANALYSIS

Aqua-Cage Fisheries

Work Order Number: 514893

| Sample Description                  | DH1               |       | DH2               |       | DH3               |       | DH4               |       |       |
|-------------------------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------|
| Sample Date                         | 10/4/2023 9:30 AM |       | 10/4/2023 9:30 AM |       | 10/4/2023 9:30 AM |       | 10/4/2023 9:30 AM |       |       |
| Lab ID                              | 1936436           |       | 1936437           |       | 1936438           |       | 1936439           |       |       |
| General Chemistry                   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.005             | 0.001 | 0.013             | 0.001 | 0.004             | 0.001 | 0.004             | 0.001 | mg/L  |

| Sample Description                  | DH5               |       | DH6               |       | DH7               |       | DH8               |       |       |
|-------------------------------------|-------------------|-------|-------------------|-------|-------------------|-------|-------------------|-------|-------|
| Sample Date                         | 10/4/2023 9:30 AM |       | 10/4/2023 9:30 AM |       | 10/4/2023 9:30 AM |       | 10/4/2023 9:30 AM |       |       |
| Lab ID                              | 1936440           |       | 1936441           |       | 1936442           |       | 1936443           |       |       |
| General Chemistry                   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.006             | 0.001 | 0.005             | 0.001 | 0.007             | 0.001 | 0.002             | 0.001 | mg/L  |

| Sample Description                  | DH9               |       |       |
|-------------------------------------|-------------------|-------|-------|
| Sample Date                         | 10/4/2023 9:30 AM |       |       |
| Lab ID                              | 1936444           |       |       |
| General Chemistry                   | Result            | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.001             | 0.001 | mg/L  |



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## CERTIFICATE OF ANALYSIS

Aqua-Cage Fisheries

Work Order Number: 518275

### METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):

| Method                     | Lab    | Description                                                       | Reference                                           |
|----------------------------|--------|-------------------------------------------------------------------|-----------------------------------------------------|
| Low Level TP Water (A23.3) | Garson | Determination of Low Level Total Phosphorus in Aquaculture Water. | Modified from EPA 365.3, ESS 310.2, and APHA-4500-P |

This report has been approved by:

Marc Creighton  
Laboratory Director

### WORK ORDER RESULTS

| Sample Description                  | PS1                |       | PS2                |       | PS3                |       | PS4                |       |       |
|-------------------------------------|--------------------|-------|--------------------|-------|--------------------|-------|--------------------|-------|-------|
| Sample Date                         | 11/6/2023 12:00 PM |       | 11/6/2023 12:00 PM |       | 11/6/2023 12:00 PM |       | 11/6/2023 12:00 PM |       |       |
| Lab ID                              | 1949574            |       | 1949575            |       | 1949576            |       | 1949577            |       |       |
| General Chemistry                   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.008              | 0.001 | 0.003              | 0.001 | 0.003<br>[0.003]   | 0.001 | <0.001             | 0.001 | mg/L  |
| Sample Description                  | PS5                |       | PS6                |       | PS7                |       | PS8                |       |       |
| Sample Date                         | 11/6/2023 12:00 PM |       | 11/6/2023 12:00 PM |       | 11/6/2023 12:00 PM |       | 11/6/2023 12:00 PM |       |       |
| Lab ID                              | 1949578            |       | 1949579            |       | 1949580            |       | 1949581            |       |       |
| General Chemistry                   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | <0.001             | 0.001 | 0.002              | 0.001 | <0.001             | 0.001 | <0.001             | 0.001 | mg/L  |

Date of Issue: 11/10/2023 16:52

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## CERTIFICATE OF ANALYSIS

Aqua-Cage Fisheries

Work Order Number: 518275

| Sample Description                  | DH1                |       | DH2                |       | DH3                |       | DH4                |       |       |
|-------------------------------------|--------------------|-------|--------------------|-------|--------------------|-------|--------------------|-------|-------|
| Sample Date                         | 11/6/2023 12:00 PM |       | 11/6/2023 12:00 PM |       | 11/6/2023 12:00 PM |       | 11/6/2023 12:00 PM |       |       |
| Lab ID                              | 1949582            |       | 1949583            |       | 1949584            |       | 1949585            |       |       |
| General Chemistry                   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.011              | 0.001 | 0.007              | 0.001 | 0.005              | 0.001 | 0.003              | 0.001 | mg/L  |
| Sample Description                  | DH5                |       | DH6                |       | DH7                |       | DH8                |       |       |
| Sample Date                         | 11/6/2023 12:00 PM |       | 11/6/2023 12:00 PM |       | 11/6/2023 12:00 PM |       | 11/6/2023 12:00 PM |       |       |
| Lab ID                              | 1949586            |       | 1949587            |       | 1949588            |       | 1949589            |       |       |
| General Chemistry                   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Result             | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | 0.007              | 0.001 | 0.004              | 0.001 | 0.005              | 0.001 | <0.001             | 0.001 | mg/L  |
| Sample Description                  | DH9                |       |                    |       |                    |       |                    |       |       |
| Sample Date                         | 11/6/2023 12:00 PM |       |                    |       |                    |       |                    |       |       |
| Lab ID                              | 1949590            |       |                    |       |                    |       |                    |       |       |
| General Chemistry                   | Result             | MDL   |                    |       |                    |       |                    |       | Units |
| Total Phosphorus (as P) (Low-Level) | <0.001<br>[<0.001] | 0.001 |                    |       |                    |       |                    |       | mg/L  |



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## CERTIFICATE OF ANALYSIS

Aqua-Cage Fisheries

Work Order Number: 519195

### METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):

| Method                     | Lab    | Description                                                       | Reference                                           |
|----------------------------|--------|-------------------------------------------------------------------|-----------------------------------------------------|
| Low Level TP Water (A23.3) | Garson | Determination of Low Level Total Phosphorus in Aquaculture Water. | Modified from EPA 365.3, ESS 310.2, and APHA-4500-P |

This report has been approved by:

Marc Creighton  
Laboratory Director

### WORK ORDER RESULTS

| Sample Description                  | P61                 |       | P62                 |       | P63                 |       | P64                 |       |       |
|-------------------------------------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|-------|
| Sample Date                         | 11/14/2023 10:30 AM |       | 11/14/2023 10:30 AM |       | 11/14/2023 10:30 AM |       | 11/14/2023 10:30 AM |       |       |
| Lab ID                              | 1952801             |       | 1952802             |       | 1952803             |       | 1952804             |       |       |
| General Chemistry                   | Result              | MDL   | Result              | MDL   | Result              | MDL   | Result              | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | <0.001              | 0.001 | <0.001              | 0.001 | <0.001              | 0.001 | <0.001              | 0.001 | mg/L  |

| Sample Description                  | P65                 |       | P66                 |       | P67                 |       | P68                 |       |       |
|-------------------------------------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|-------|
| Sample Date                         | 11/14/2023 10:30 AM |       | 11/14/2023 10:30 AM |       | 11/14/2023 10:30 AM |       | 11/14/2023 10:30 AM |       |       |
| Lab ID                              | 1952805             |       | 1952806             |       | 1952807             |       | 1952808             |       |       |
| General Chemistry                   | Result              | MDL   | Result              | MDL   | Result              | MDL   | Result              | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | <0.001              | 0.001 | <0.001              | 0.001 | <0.001              | 0.001 | <0.001              | 0.001 | mg/L  |

Date of Issue: 11/24/2023 15:36

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## CERTIFICATE OF ANALYSIS

Aqua-Cage Fisheries

Work Order Number: 519195

| Sample Description                  | DH1                 |       | DH2                 |       | DH3                 |       | DH4                 |       |       |
|-------------------------------------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|-------|
| Sample Date                         | 11/14/2023 10:30 AM |       | 11/14/2023 10:30 AM |       | 11/14/2023 10:30 AM |       | 11/14/2023 10:30 AM |       |       |
| Lab ID                              | 1952809             |       | 1952810             |       | 1952811             |       | 1952812             |       |       |
| General Chemistry                   | Result              | MDL   | Result              | MDL   | Result              | MDL   | Result              | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | <0.001              | 0.001 | <0.001              | 0.001 | <0.001<br>[<0.001]  | 0.001 | <0.001              | 0.001 | mg/L  |

| Sample Description                  | DH5                 |       | DH6                 |       | DH7                 |       | DH8                 |       |       |
|-------------------------------------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|-------|
| Sample Date                         | 11/14/2023 10:30 AM |       | 11/14/2023 10:30 AM |       | 11/14/2023 10:30 AM |       | 11/14/2023 10:30 AM |       |       |
| Lab ID                              | 1952813             |       | 1952814             |       | 1952815             |       | 1952816             |       |       |
| General Chemistry                   | Result              | MDL   | Result              | MDL   | Result              | MDL   | Result              | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | <0.001              | 0.001 | <0.001              | 0.001 | <0.001              | 0.001 | <0.001              | 0.001 | mg/L  |

| Sample Description                  | DH9                 |       |       |
|-------------------------------------|---------------------|-------|-------|
| Sample Date                         | 11/14/2023 10:30 AM |       |       |
| Lab ID                              | 1952817             |       |       |
| General Chemistry                   | Result              | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | <0.001              | 0.001 | mg/L  |



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**CERTIFICATE OF ANALYSIS - REVISED**  
Supersedes report printed: 11/27/2023 17:23

Aqua-Cage Fisheries

Work Order Number: 519712

**METHODS AND INSTRUMENTATION**

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):

| Method                     | Lab    | Description                                                       | Reference                                           |
|----------------------------|--------|-------------------------------------------------------------------|-----------------------------------------------------|
| Low Level TP Water (A23.3) | Garson | Determination of Low Level Total Phosphorus in Aquaculture Water. | Modified from EPA 365.3, ESS 310.2, and APHA-4500-P |

**REPORT COMMENTS**

Report revised to include LLTP rerun data for samples 1954480 - 1954488 (DH1 - DH9) as per CI 21464 11/28/23 YH

This report has been approved by:

Marc Creighton  
Laboratory Director

**WORK ORDER RESULTS**

| Sample Description                  | PS1                 |       | PS2                 |       | PS3                 |       | PS4                 |       |       |
|-------------------------------------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|-------|
| Sample Date                         | 11/20/2023 12:00 PM |       | 11/20/2023 12:00 PM |       | 11/20/2023 12:00 PM |       | 11/20/2023 12:00 PM |       |       |
| Lab ID                              | 1954472             |       | 1954473             |       | 1954474             |       | 1954475             |       |       |
| General Chemistry                   | Result              | MDL   | Result              | MDL   | Result              | MDL   | Result              | MDL   | Units |
| Total Phosphorus (as P) (Low-Level) | <0.001              | 0.001 | <0.001              | 0.001 | <0.001              | 0.001 | <0.001              | 0.001 | mg/L  |

Date of Issue: 11/28/2023 15:39

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**CERTIFICATE OF ANALYSIS - REVISED**  
Supersedes report printed: 11/27/2023 17:23

Aqua-Cage Fisheries

Work Order Number: 519712

| Sample Description                      | PS5                 |       | PS6                 |       | PS7                 |       | PS8                 |       |       |
|-----------------------------------------|---------------------|-------|---------------------|-------|---------------------|-------|---------------------|-------|-------|
| Sample Date                             | 11/20/2023 12:00 PM |       | 11/20/2023 12:00 PM |       | 11/20/2023 12:00 PM |       | 11/20/2023 12:00 PM |       |       |
| Lab ID                                  | 1954476             |       | 1954477             |       | 1954478             |       | 1954479             |       |       |
| General Chemistry                       | Result              | MDL   | Result              | MDL   | Result              | MDL   | Result              | MDL   | Units |
| Total Phosphorus (as P) (Low-Level)     | 0.007<br>[0.007]    | 0.001 | 0.003               | 0.001 | 0.003               | 0.001 | 0.002               | 0.001 | mg/L  |
| Sample Description                      | DH1                 |       | DH2                 |       | DH3                 |       | DH4                 |       |       |
| Sample Date                             | 11/20/2023 12:00 PM |       | 11/20/2023 12:00 PM |       | 11/20/2023 12:00 PM |       | 11/20/2023 12:00 PM |       |       |
| Lab ID                                  | 1954480             |       | 1954481             |       | 1954482             |       | 1954483             |       |       |
| General Chemistry                       | Result              | MDL   | Result              | MDL   | Result              | MDL   | Result              | MDL   | Units |
| Total Phosphorus (as P) (Low-Level)     | 0.014               | 0.001 | 0.012               | 0.001 | 0.018               | 0.001 | 0.009               | 0.001 | mg/L  |
| Total Phosphorus (as P) (Low-Level) [r] | 0.011               | 0.001 | 0.010               | 0.001 | 0.012               | 0.001 | 0.005               | 0.001 | mg/L  |
| Sample Description                      | DH5                 |       | DH6                 |       | DH7                 |       | DH8                 |       |       |
| Sample Date                             | 11/20/2023 12:00 PM |       | 11/20/2023 12:00 PM |       | 11/20/2023 12:00 PM |       | 11/20/2023 12:00 PM |       |       |
| Lab ID                                  | 1954484             |       | 1954485             |       | 1954486             |       | 1954487             |       |       |
| General Chemistry                       | Result              | MDL   | Result              | MDL   | Result              | MDL   | Result              | MDL   | Units |
| Total Phosphorus (as P) (Low-Level)     | 0.007               | 0.001 | 0.007               | 0.001 | 0.009               | 0.001 | 0.001               | 0.001 | mg/L  |
| Total Phosphorus (as P) (Low-Level) [r] | 0.001               | 0.001 | 0.006               | 0.001 | 0.006               | 0.001 | <0.001              | 0.001 | mg/L  |
| Sample Description                      | DH9                 |       |                     |       |                     |       |                     |       |       |
| Sample Date                             | 11/20/2023 12:00 PM |       |                     |       |                     |       |                     |       |       |
| Lab ID                                  | 1954488             |       |                     |       |                     |       |                     |       |       |
| General Chemistry                       | Result              | MDL   |                     |       |                     |       |                     |       | Units |
| Total Phosphorus (as P) (Low-Level)     | 0.001               | 0.001 |                     |       |                     |       |                     |       | mg/L  |