

## FISHWAY STATUS REPORT

**Date:** 6/15/2019  
**Inspection Period:** 6/9/2019 thru 6/15/2019

### JOHN DAY DAM



JD/WC Project-Fisheries  
 P.O. Box 823  
 Rufus, Oregon 97050  
 Phone: 541-506-7860

All JD Fishways are inspected twice per day during fish passage season, Mar. 1 - Nov. 30.  
 Frequent monitoring of the PLC displays in SMF Fisheries Office as necessary.

| John Day Dam                        | Inspection<br>OOC | Criteria<br>Limit | Total Number of Inspections: 14                          | Temperature: 62 F |
|-------------------------------------|-------------------|-------------------|--|-------------------|
|                                     |                   |                   |  | Secchi: 4.8 Ft.   |
| <b>NORTH FISHWAY</b>                |                   |                   |  |                   |
| Exit differential                   | 0                 | ≤ 0.5'            |  |                   |
| Exit Control weirs                  | 0                 | High setting      | High setting is normal for JDN                           |                   |
| Count station differential          | 0                 | ≤ 0.3'            |  |                   |
| Weir crest depth (DS gauge)         | 0                 | 1.0' ± 0.1'       |  |                   |
| Entrance differential               | 0                 | 1.0' - 2.0'       | AVG 1.5  |                   |
| <b>SOUTH FISHWAY</b>                | 0                 |                   | Turbine 3 oos. 2 turbine operation as of 1200 on 22 May. |                   |
| Exit differential                   | 0                 | ≤ 0.5'            |  |                   |
| Exit Control weirs                  | 0                 | Mid setting       | Mid setting is normal for JDS                            |                   |
| Count station differential          | 0                 | ≤ 0.3'            |  |                   |
| Weir crest depth (US gauge)         | 0                 | 1.0' ± 0.1'       | Set to Shad setting                                      |                   |
| South entrance differential         | 0                 | 1.0' - 2.0'       | AVG 1.4  |                   |
| Entrance weir SE1                   | 0                 | depth (≥ 8')      | AVG 8.6  |                   |
| Collection channel velocity         | 0                 | 1.5 - 4 fps       | AVG 2.33   |                   |
| N. Entrance PH(Bay 19)differential  | 0                 | 1.0' - 2.0'       | AVG 1.8  |                   |
| Entrance weir NE1                   | 0                 | depth (≥ 8')      | AVG 9.5  |                   |
| Entrance weir NE2                   | 0                 | depth (≥ 8')      | AVG 8.9  |                   |
| <b>JUVENILE PASSAGE</b>             | 0                 |                   |  |                   |
| Forebay/bypass conduit differential | 0                 | 4.0' - 5.0'       | AVG 4.6  |                   |
| Submersible traveling screens       | 0                 | visual inspect    |  |                   |
| Turbine trashrack drawdown          | 0                 | <1.5', wkly       | N/A  |                   |
| Vert barrier screen drawdown        | 0                 | <1.5', wkly       | N/A  |                   |
| Spill volume                        | 0                 | per FPP           | Spill season started 10 April                            |                   |
| Spill pattern                       | 0                 | per FPP           | None   |                   |
| Turbine Unit Priority               | 0                 | per FPP           |  |                   |
| Turbine 1% Efficiency               | 0                 | per FPP           |  |                   |

## SMOLT MONITORING FACILITY

### Operation:

SMOLT MONITORING FACILITY began sampling on 3/13 at 1400. A broken pipe flange that supplies flume and rotating gate water was cracked preventing start up on 3/11.

### Maintenance:

SMF SCADA update by JD Electrical/ Portland District's engineers is underway but its completion is delayed by one year to February 2020. Due to complexity of electronic components and incomplete as-builts which are pending at this time.

### Research:

CRITFC genetic samples were collected by PSMFC.

## ADULT FISHWAYS & TW AVIAN GRID

### Birds:

USDA Bird Hazing began on 15 April. 20 Pelicans observed on island below project in tailrace  
All 125 avian lines in place without any deficiencies.

### Operations:

South Fish turbine 3 oos due to thrust bearing failure.

Trash raking of units began on 3/21.

MU Gatewell Drawdown All MUs trashrack differentials are 1.5' or below according to twice a week inspections.

### Maintenance:

JD North AWS pump 2 returned to service on 3/27.

JD North AWS pumps frequent SKF alarms (auto greasing issues) continue and are cleared by JD Maintenance & Ops immediately. Planning for a long term fix underway.

JD South fish turbine's anti-ratchet gear was damaged beyond repair on 9 Apr. A spare is being assessed as a possible repair part.

JD North Fishway's LPS: Installation of the old pump assembly and electric controls will proceed at the end of April for start of trapping season.

JD South AWS turbine 3 is OOS, Part are to arrive on 26 April.

Calibration: All gauges/ sensors are within the criteria of 0.3'.

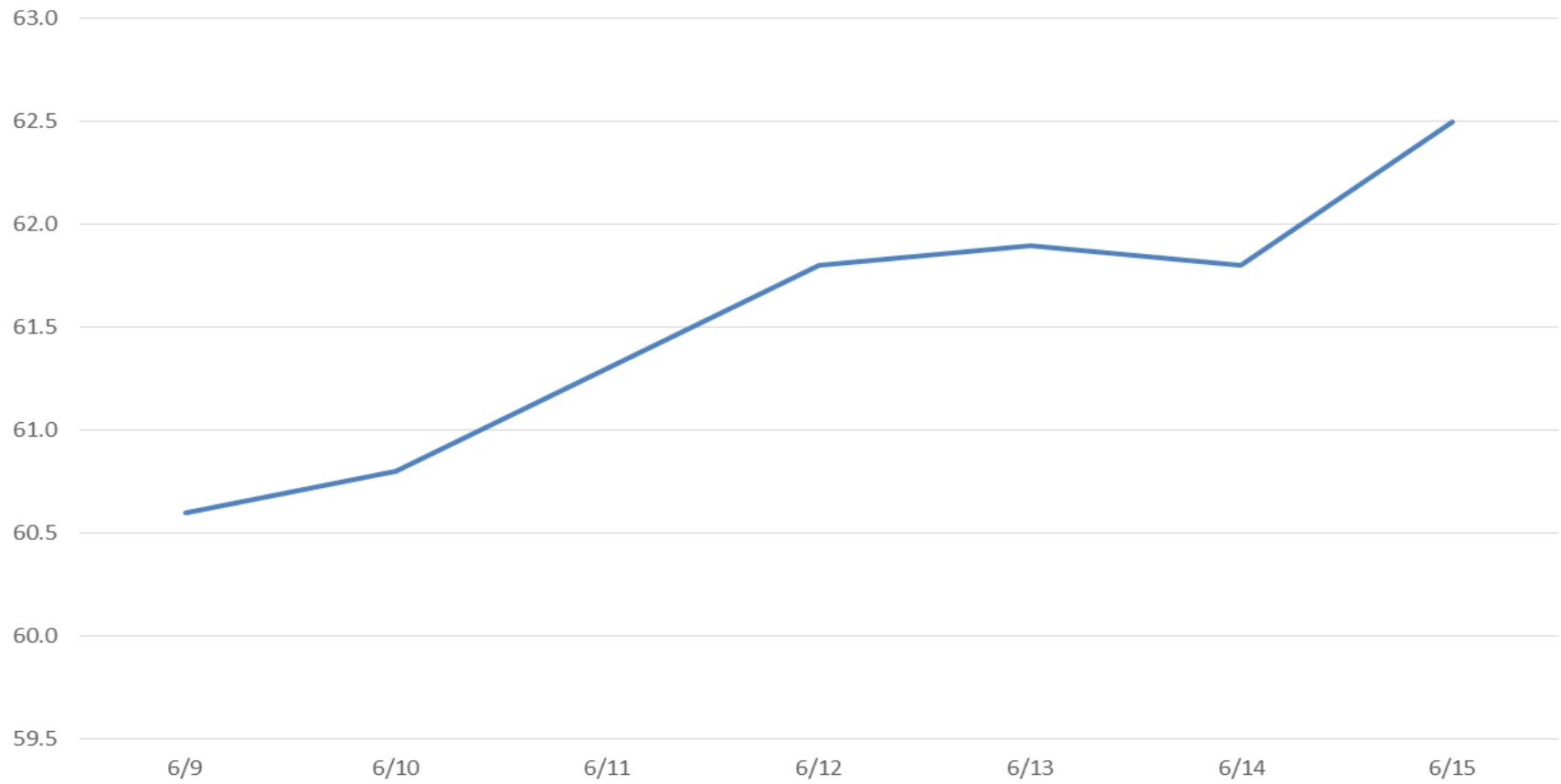
### Research:

JDS and JDN Adult PIT systems are in service and detecting PIT tags since 3/1/18.

Uof I crew continues monitoring the RT Adult Lamprey passage at both JD Adult Fishways.

Approved by: Ron Twiner, Acting OPM

JDA Forebay Water Temperature (F) (6/9/19 - 6/15/19)



## JDA Collection Channel Velocity

Date 16-Jun-19

By: pete

| Bay(s)  | Time  | Sec. | Velocity (f/s) |
|---------|-------|------|----------------|
| 0-2     | 1:22  | 82   | 2.20           |
| 2 - 4   | 2:36  | 156  | 2.43           |
| 4 - 6   | 3:58  | 238  | 2.20           |
| 6 - 8   | 5:36  | 336  | 1.84           |
| 8 - 10  | 6:49  | 409  | 2.47           |
| 10 - 12 | 8:08  | 488  | 2.28           |
| 12 - 14 | 9:26  | 566  | 2.31           |
| 14 - 16 | 10:36 | 636  | 2.57           |
| 16 - 18 | 11:44 | 704  | 2.65           |
|         |       |      | <b>2.33</b>    |

tw = 161.8 foot

turbine 1&2 = 68 rpm

## John Day Weekly Averages

|             | Temp:     | Secchi:  | Fallbacks   |        |
|-------------|-----------|--|---|--------|
| Sun         | 61        | 4.5  | 64  | Bypass |
| Mon         | 61        | 4.5  | 22  | Sample |
| Tue         | 61        | 4.5  | 93  | Bypass |
| Wed         | 61        | 5.0  | 15  | Sample |
| Thur        | 62        | 5.0  | 58  | Bypass |
| Fri         | 62        | 5.0  | 10  | Sample |
| Sat         | 63        | 5.0  | 96  | Bypass |
| <b>AVG:</b> | <b>62</b> | <b>AVG:</b> style="border: 1px solid black; text-align: center;"> <b>4.8</b> | <b>AVG/Sample</b> style="border: 1px solid black; text-align: center;"> <b>51</b> |        |
|             |           |  | <b>MAX</b> style="border: 1px solid black; text-align: center;"> <b>96</b>        |        |
|             |           |  | <b>MIN</b> style="border: 1px solid black; text-align: center;"> <b>10</b>        |        |

|             | NE1        | NE2        | S.Ent      | SE1        | N.Ent      | JBS Diff   | Bay19      |
|-------------|------------|------------|------------|------------|------------|------------|------------|
| Sun         | 9.9        | 9.2        | 1.5        | 8.1        | 1.7        | 4.6        | 1.6        |
| Sun         | 9.4        | 8.8        | 1.1        | 8.4        | 1.7        | 4.6        | 1.7        |
| Mon         | 10.5       | 9.9        | 1.5        | 8.0        | 1.6        | 4.6        | 1.4        |
| Mon         | 10.3       | 9.8        | 1.4        | 8.2        | 1.4        | 4.6        | 1.9        |
| Tues        | 8.6        | 8.1        | 1.5        | 8.0        | 1.4        | 4.6        | 1.9        |
| Tues        | 10.0       | 9.5        | 1.2        | 9.4        | 1.5        | 4.6        | 1.9        |
| Wed         | 9.2        | 8.6        | 1.3        | 9.0        | 1.8        | 4.6        | 1.7        |
| Wed         | 10.6       | 10.0       | 1.3        | 9.7        | 1.5        | 4.6        | 1.9        |
| Thur        | 9.2        | 8.6        | 1.3        | 8.6        | 1.8        | 4.6        | 1.9        |
| Thur        | 9.6        | 9.0        | 1.4        | 9.3        | 1.6        | 4.7        | 2.0        |
| Fri         | 9.1        | 8.5        | 1.6        | 8.2        | 1.7        | 4.6        | 1.9        |
| Fri         | 9.0        | 8.4        | 1.6        | 8.1        | 1.3        | 4.6        | 2.0        |
| Sat         | 8.8        | 8.2        | 1.5        | 8.1        | 1.4        | 4.6        | 2.0        |
| Sat         | 9.1        | 8.5        | 1.4        | 8.8        | 1.4        | 4.7        | 2.0        |
| <b>AVG:</b> | <b>9.5</b> | <b>8.9</b> | <b>1.4</b> | <b>8.6</b> | <b>1.6</b> | <b>4.6</b> | <b>1.8</b> |



**JDA Bird Counts: 6/9/19 to 6/15/19**

NF(1): Non-Forage AM Survey NF(2): Non-Forage PM Survey

| Date              | Zone | Gulls     |          |          |          | Cormorant |          |          |          | Caspian tern |          |           |          | White Pelican |      |            |       | Grebe |      |       |       | Total     |           |
|-------------------|------|-----------|----------|----------|----------|-----------|----------|----------|----------|--------------|----------|-----------|----------|---------------|------|------------|-------|-------|------|-------|-------|-----------|-----------|
|                   |      | F(1)      | F(2)     | NF(1)    | NF(2)    | F(1)      | F(2)     | NF(1)    | NF(2)    | F(1)         | F(2)     | NF(1)     | NF(2)    | F(1)          | F(2) | NF(1)      | NF(2) | F(1)  | F(2) | NF(1) | NF(2) |           |           |
| 9-Jun             | PHFB | 0         | 0        | 2        | 9        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 0             | 0    | 0          | 0     | 35    | 15   | 0     | 0     | <b>61</b> |           |
| 9-Jun             | SWFB | 0         | 0        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 0             | 0    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>0</b>  |
| 9-Jun             | PH1  | 0         | 0        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 1             | 0    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>1</b>  |
| 9-Jun             | PH2  | 0         | 0        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 2             | 9    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>11</b> |
| 9-Jun             | PH3  | 0         | 0        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 0             | 7    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>7</b>  |
| 9-Jun             | SW1  | 0         | 0        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 0             | 0    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>0</b>  |
| 9-Jun             | SW2  | 2         | 9        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 7             | 0    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>18</b> |
| 9-Jun             | SW3  | 4         | 51       | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 6             | 0    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>61</b> |
| <b>Avg/Survey</b> |      | <b>33</b> | <b>6</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b> | <b>0</b> | <b>0</b> | <b>16</b>    | <b>0</b> | <b>25</b> | <b>0</b> |               |      | <b>159</b> |       |       |      |       |       |           |           |
| 10-Jun            | PHFB | 0         | 0        | 1        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 0             | 0    | 0          | 0     | 23    | 21   | 0     | 0     | <b>45</b> |           |
| 10-Jun            | SWFB | 0         | 0        | 0        | 5        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 0             | 0    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>5</b>  |
| 10-Jun            | PH1  | 0         | 0        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 0             | 0    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>0</b>  |
| 10-Jun            | PH2  | 0         | 0        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 0             | 0    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>0</b>  |
| 10-Jun            | PH3  | 0         | 0        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 5             | 2    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>7</b>  |
| 10-Jun            | SW1  | 6         | 0        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 0             | 0    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>6</b>  |
| 10-Jun            | SW2  | 2         | 0        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 4             | 2    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>8</b>  |
| 10-Jun            | SW3  | 4         | 5        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 0             | 0    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>9</b>  |
| <b>Avg/Survey</b> |      | <b>9</b>  | <b>3</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b> | <b>0</b> | <b>0</b> | <b>7</b>     | <b>0</b> | <b>22</b> | <b>0</b> |               |      | <b>80</b>  |       |       |      |       |       |           |           |
| 11-Jun            | PHFB | 0         | 0        | 2        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 0             | 0    | 0          | 0     | 21    | 10   | 0     | 0     | <b>33</b> |           |
| 11-Jun            | SWFB | 0         | 0        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 0             | 0    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>0</b>  |
| 11-Jun            | PH1  | 0         | 0        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 0             | 0    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>0</b>  |
| 11-Jun            | PH2  | 0         | 0        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 9             | 0    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>9</b>  |
| 11-Jun            | PH3  | 0         | 0        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 22            | 0    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>22</b> |
| 11-Jun            | SW1  | 0         | 0        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 0             | 0    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>0</b>  |
| 11-Jun            | SW2  | 0         | 2        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 3             | 0    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>5</b>  |
| 11-Jun            | SW3  | 4         | 5        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 4             | 0    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>13</b> |
| <b>Avg/Survey</b> |      | <b>6</b>  | <b>1</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b> | <b>0</b> | <b>0</b> | <b>19</b>    | <b>0</b> | <b>16</b> | <b>0</b> |               |      | <b>82</b>  |       |       |      |       |       |           |           |
| 12-Jun            | PHFB | 0         | 0        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 0             | 0    | 0          | 0     | 12    | 21   | 12    | 0     | <b>45</b> |           |
| 12-Jun            | SWFB | 0         | 0        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 0             | 0    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>0</b>  |
| 12-Jun            | PH1  | 0         | 0        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 0             | 0    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>0</b>  |
| 12-Jun            | PH2  | 0         | 0        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 0             | 0    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>0</b>  |
| 12-Jun            | PH3  | 0         | 0        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 0             | 0    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>0</b>  |
| 12-Jun            | SW1  | 0         | 0        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 20            | 9    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>29</b> |
| 12-Jun            | SW2  | 0         | 0        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 0             | 0    | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>0</b>  |
| 12-Jun            | SW3  | 7         | 5        | 0        | 0        | 0         | 0        | 0        | 0        | 0            | 0        | 0         | 0        | 10            | 22   | 0          | 0     | 0     | 0    | 0     | 0     |           | <b>44</b> |
| <b>Avg/Survey</b> |      | <b>6</b>  | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b> | <b>0</b> | <b>0</b> | <b>31</b>    | <b>0</b> | <b>17</b> | <b>6</b> |               |      | <b>118</b> |       |       |      |       |       |           |           |

**JDA Bird Counts: 6/9/19 to 6/15/19**

NF(1): Non-Forage AM Survey    NF(2): Non-Forage PM Survey

| Date                | Zone | Gulls        |      |           |       | Cormorant        |      |           |       | Caspian tern        |      |           |       | White Pelican        |      |           |       | Grebe        |      |           |            | Total        |
|---------------------|------|--------------|------|-----------|-------|------------------|------|-----------|-------|---------------------|------|-----------|-------|----------------------|------|-----------|-------|--------------|------|-----------|------------|--------------|
|                     |      | F(1)         | F(2) | NF(1)     | NF(2) | F(1)             | F(2) | NF(1)     | NF(2) | F(1)                | F(2) | NF(1)     | NF(2) | F(1)                 | F(2) | NF(1)     | NF(2) | F(1)         | F(2) | NF(1)     | NF(2)      |              |
| 13-Jun              | PHFB | 0            | 0    | 0         | 0     | 0                | 0    | 0         | 0     | 0                   | 0    | 0         | 0     | 0                    | 0    | 0         | 0     | 17           | 14   | 16        | 13         | 60           |
| 13-Jun              | SWFB | 0            | 0    | 0         | 0     | 0                | 0    | 0         | 0     | 0                   | 0    | 0         | 0     | 0                    | 0    | 0         | 0     | 0            | 0    | 0         | 0          | 0            |
| 13-Jun              | PH1  | 0            | 0    | 0         | 0     | 0                | 0    | 0         | 0     | 0                   | 0    | 0         | 0     | 0                    | 0    | 0         | 0     | 0            | 0    | 0         | 0          | 0            |
| 13-Jun              | PH2  | 0            | 0    | 0         | 0     | 0                | 0    | 0         | 0     | 0                   | 0    | 0         | 0     | 0                    | 0    | 0         | 0     | 0            | 0    | 0         | 0          | 0            |
| 13-Jun              | PH3  | 0            | 0    | 0         | 0     | 0                | 0    | 0         | 0     | 0                   | 0    | 0         | 0     | 0                    | 0    | 0         | 0     | 0            | 0    | 0         | 0          | 0            |
| 13-Jun              | SW1  | 14           | 5    | 0         | 0     | 0                | 0    | 0         | 0     | 0                   | 0    | 0         | 0     | 21                   | 0    | 0         | 0     | 0            | 0    | 0         | 0          | 40           |
| 13-Jun              | SW2  | 0            | 0    | 0         | 0     | 0                | 0    | 0         | 0     | 0                   | 0    | 0         | 0     | 0                    | 3    | 0         | 0     | 0            | 0    | 0         | 0          | 3            |
| 13-Jun              | SW3  | 0            | 7    | 0         | 0     | 0                | 0    | 0         | 0     | 0                   | 0    | 0         | 0     | 2                    | 0    | 0         | 0     | 0            | 0    | 0         | 0          | 9            |
| <b>Avg/Survey</b>   |      | <b>13</b>    |      | <b>0</b>  |       | <b>0</b>         |      | <b>0</b>  |       | <b>0</b>            |      | <b>0</b>  |       | <b>13</b>            |      | <b>0</b>  |       | <b>16</b>    |      | <b>15</b> | <b>112</b> |              |
| 14-Jun              | PHFB | 0            | 0    | 1         | 0     | 0                | 0    | 0         | 0     | 0                   | 0    | 0         | 0     | 0                    | 0    | 0         | 0     | 9            | 9    | 9         | 8          | 36           |
| 14-Jun              | SWFB | 0            | 0    | 0         | 0     | 0                | 0    | 0         | 0     | 0                   | 0    | 0         | 0     | 0                    | 0    | 0         | 0     | 0            | 0    | 0         | 0          | 0            |
| 14-Jun              | PH1  | 0            | 0    | 0         | 0     | 0                | 0    | 0         | 0     | 0                   | 0    | 0         | 0     | 0                    | 0    | 0         | 0     | 0            | 0    | 0         | 0          | 0            |
| 14-Jun              | PH2  | 0            | 0    | 0         | 0     | 0                | 0    | 0         | 0     | 0                   | 0    | 0         | 0     | 0                    | 0    | 0         | 0     | 0            | 0    | 0         | 0          | 0            |
| 14-Jun              | PH3  | 0            | 0    | 0         | 0     | 0                | 0    | 0         | 0     | 0                   | 0    | 0         | 0     | 0                    | 0    | 0         | 0     | 0            | 0    | 0         | 0          | 0            |
| 14-Jun              | SW1  | 15           | 4    | 0         | 0     | 0                | 0    | 0         | 0     | 0                   | 0    | 0         | 0     | 12                   | 0    | 0         | 0     | 0            | 0    | 0         | 0          | 31           |
| 14-Jun              | SW2  | 0            | 0    | 0         | 0     | 0                | 0    | 0         | 0     | 0                   | 0    | 0         | 0     | 0                    | 18   | 0         | 0     | 0            | 0    | 0         | 0          | 18           |
| 14-Jun              | SW3  | 0            | 20   | 0         | 0     | 0                | 0    | 0         | 0     | 0                   | 0    | 0         | 0     | 10                   | 10   | 0         | 0     | 0            | 0    | 0         | 0          | 40           |
| <b>Avg/Survey</b>   |      | <b>20</b>    |      | <b>1</b>  |       | <b>0</b>         |      | <b>0</b>  |       | <b>0</b>            |      | <b>0</b>  |       | <b>25</b>            |      | <b>0</b>  |       | <b>9</b>     |      | <b>9</b>  | <b>125</b> |              |
| 15-Jun              | PHFB | 0            | 0    | 0         | 0     | 0                | 0    | 0         | 0     | 0                   | 0    | 0         | 0     | 0                    | 0    | 0         | 0     | 12           | 9    | 11        | 9          | 41           |
| 15-Jun              | SWFB | 0            | 0    | 0         | 0     | 0                | 0    | 0         | 0     | 0                   | 0    | 0         | 0     | 0                    | 0    | 0         | 0     | 0            | 0    | 0         | 0          | 0            |
| 15-Jun              | PH1  | 0            | 0    | 0         | 0     | 0                | 0    | 0         | 0     | 0                   | 0    | 0         | 0     | 9                    | 0    | 0         | 0     | 0            | 0    | 0         | 0          | 9            |
| 15-Jun              | PH2  | 0            | 0    | 0         | 0     | 0                | 0    | 0         | 0     | 0                   | 0    | 0         | 0     | 0                    | 0    | 0         | 0     | 0            | 0    | 0         | 0          | 0            |
| 15-Jun              | PH3  | 0            | 0    | 0         | 0     | 0                | 0    | 0         | 0     | 0                   | 0    | 0         | 0     | 0                    | 0    | 0         | 0     | 0            | 0    | 0         | 0          | 0            |
| 15-Jun              | SW1  | 1            | 0    | 0         | 0     | 0                | 0    | 0         | 0     | 0                   | 0    | 0         | 0     | 26                   | 0    | 0         | 0     | 0            | 0    | 0         | 0          | 27           |
| 15-Jun              | SW2  | 2            | 10   | 0         | 0     | 0                | 0    | 0         | 0     | 0                   | 0    | 0         | 0     | 0                    | 32   | 0         | 0     | 0            | 0    | 0         | 0          | 44           |
| 15-Jun              | SW3  | 3            | 15   | 0         | 0     | 0                | 0    | 0         | 0     | 0                   | 0    | 0         | 0     | 16                   | 42   | 0         | 0     | 0            | 0    | 0         | 0          | 76           |
| <b>Avg/Survey</b>   |      | <b>16</b>    |      | <b>0</b>  |       | <b>0</b>         |      | <b>0</b>  |       | <b>0</b>            |      | <b>0</b>  |       | <b>63</b>            |      | <b>0</b>  |       | <b>11</b>    |      | <b>10</b> | <b>197</b> |              |
| <b>Totals</b>       |      | <b>Gulls</b> |      |           |       | <b>Cormorant</b> |      |           |       | <b>Caspian tern</b> |      |           |       | <b>White Pelican</b> |      |           |       | <b>Grebe</b> |      |           |            | <b>Total</b> |
|                     |      | <b>F</b>     |      | <b>NF</b> |       | <b>F</b>         |      | <b>NF</b> |       | <b>F</b>            |      | <b>NF</b> |       | <b>F</b>             |      | <b>NF</b> |       | <b>F</b>     |      | <b>NF</b> |            |              |
| <b>Weekly Total</b> |      | <b>202</b>   |      | <b>20</b> |       | <b>0</b>         |      | <b>0</b>  |       | <b>0</b>            |      | <b>0</b>  |       | <b>345</b>           |      | <b>0</b>  |       | <b>228</b>   |      | <b>78</b> | <b>873</b> |              |
| <b>Avg/Survey</b>   |      | <b>14</b>    |      | <b>1</b>  |       | <b>0</b>         |      | <b>0</b>  |       | <b>0</b>            |      | <b>0</b>  |       | <b>25</b>            |      | <b>0</b>  |       | <b>16</b>    |      | <b>6</b>  | <b>62</b>  |              |



John Day Dam  
Avian Zones

