### **FISHWAY STATUS REPORT - JOHN DAY DAM**

**Date:** 7/8/2023

**Inspection Period:** 7/2/2023 thru 7/8/2023

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



JD/WC Project-Fisheries

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| John Day Dam                        | Inspection OOC | Criteria<br>Limit |              | Total Number of    | Inspections: | Temperature:<br>Secchi: | 69.0<br>6.0 |  |  |  |  |  |  |  |
|-------------------------------------|----------------|-------------------|--------------|--------------------|--------------|-------------------------|-------------|--|--|--|--|--|--|--|
|                                     |                |                   | N            | IORTH FISHW        | /AY          |                         |             |  |  |  |  |  |  |  |
| Exit differential                   | 0              | ≤ 0.5′            |              |                    |              |                         |             |  |  |  |  |  |  |  |
| Exit Control weirs                  | 0              | High setting      |              |                    |              |                         |             |  |  |  |  |  |  |  |
| Count station differential          | 0              | ≤ 0.3'            |              |                    |              |                         |             |  |  |  |  |  |  |  |
| Entrance differential               | 0              | 1.0' - 2.0'       | AVG (Ft.)    | 1.5                |              |                         |             |  |  |  |  |  |  |  |
| SOUTH FISHWAY                       |                |                   |              |                    |              |                         |             |  |  |  |  |  |  |  |
| Exit differential 0 ≤ 0.5'          |                |                   |              |                    |              |                         |             |  |  |  |  |  |  |  |
| Exit Control weirs                  | 0              | Mid setting       |              |                    |              |                         |             |  |  |  |  |  |  |  |
| Count station differential          | 0              | ≤ 0.3'            |              |                    |              |                         |             |  |  |  |  |  |  |  |
| Weir crest depth (US gauge)         | 0              | 1.0' ± 0.1'       |              |                    |              |                         |             |  |  |  |  |  |  |  |
| South entrance differential         | 0              | 1.0' - 2.0'       | AVG (Ft.)    | 1.4                |              |                         |             |  |  |  |  |  |  |  |
| Entrance weir SE1                   | 0              | depth (≥ 8')      | AVG (Ft.)    | 8.3                |              |                         |             |  |  |  |  |  |  |  |
| Collection channel velocity         | 0              | 1.5 - 4 fps       | AVG (Ft.)    | 2.72               |              |                         |             |  |  |  |  |  |  |  |
| N. Entrance PH(Bay 19)differential  | 0              | 1.0' - 2.0'       | AVG (Ft.)    | 1.6                |              |                         |             |  |  |  |  |  |  |  |
| Entrance weir NE1                   | 0              | depth (≥ 8')      | AVG (Ft.)    | 9.8                |              |                         |             |  |  |  |  |  |  |  |
| Entrance weir NE2                   | 0              | depth (≥ 8')      | AVG (Ft.)    | 9.7                |              |                         |             |  |  |  |  |  |  |  |
|                                     |                |                   | JU           | <b>VENILE PASS</b> | AGE          |                         |             |  |  |  |  |  |  |  |
| Forebay/bypass conduit differential | 0              | 4.0' - 5.0'       | AVG (Ft.)    | 4.6                |              |                         |             |  |  |  |  |  |  |  |
| Submersible traveling screens       | 0              | visual inspect    | next inspect | ion 7/24-7/27      |              |                         |             |  |  |  |  |  |  |  |
| Turbine trashrack drawdown          | 0              | <1.5', wkly       |              |                    |              |                         |             |  |  |  |  |  |  |  |
| Vert barrier screen drawdown        | 0              | <1.2', wkly       |              |                    |              |                         |             |  |  |  |  |  |  |  |
| Spill volume                        | 0              | per FPP           | Avg (kcfs)   | 45.9               | Avg (%)      | 35.0                    |             |  |  |  |  |  |  |  |
| Spill pattern                       | 0              | per FPP           |              |                    |              |                         |             |  |  |  |  |  |  |  |
| Turbine Unit Priority               | 0              | per FPP           |              |                    |              | ·                       |             |  |  |  |  |  |  |  |
| Turbine 1% Efficiency               | 0              | per FPP           |              |                    |              |                         |             |  |  |  |  |  |  |  |

## **Fisheries Related Operations**

#### Smolt Monitoring Operations:

Smolt Monitoring Facility started the 2023 sampling season on April 3rd for condition monitoring only. High water temperature protocol went into effect on July 6 when water temperatures exceeded 70F. Sampling will occur on Mondays and Thursdays unless water temperature drops below 69.5, at which point sampling will resume on Monday, Wednesday, and Fridays until September 15.

#### Adult Ladder Operations:

NFL is operating in criteria.

SFL turbine #2 RTS 3/20 @ reduced RPMs (55 RPMs) to prolong the repairs. SFL turbine #3 OOS (Philadelphia gear inspected on 2/22 and recommended FOOS - See 23JDA03) - Funding awarded (RTS-Unknown). FOG's removed

Ladders switched to shad mode on 5/30.

#### Project Operations:

Current outages: MU4 (ETR: 11/2/23), MU7 (ETR: 7/31/28), MU8 (ETR: 1/10/24), MU10 (ETR: 11/15/23)

Spillbay Outages: #1-missing brake/motor (ETR Unknown), #6 and #10-operates in manual/local mode only (ETR: Unknown),

Weekly Average Tailwater TDG: 116

#### Maintenance:

NFL AWS pump #4 is OOS with an unkown RTS date (see 21JDA02). NFL AWS pump #2 has a failed RTD sensor that keeps it from reading an accurate temperature on the lower bearing (occured 4/22/23). Therefore, there is no overheat fail safe and it is being run as a last on first off pump (the pump will need to be unstacked to repair the sensor). Calibration: All gauges within the 0.3' criteria.

#### Bird Data:

Pelican foraging is increasing within the tailrace (average ~132/inspection), Grebe numbers are holding steady in the forebay (~4/inspection), Gull numbers decreased this week with most foraging activity located in PH3 and SW3 zones (~1/inspection).

There are ~150 pelicans hanging around Preacher's Island

19 of 125 avian lines down

#### Research:

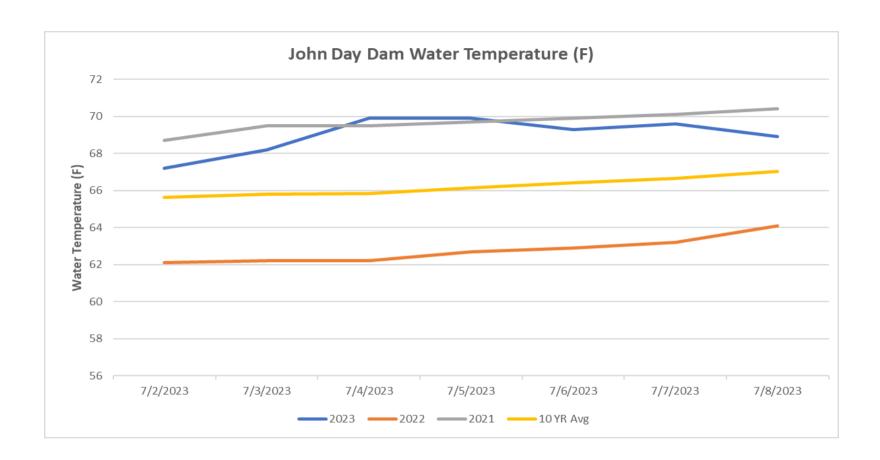
Four Peaks started ladder counts on 3/1/23 and will be performing year-round counts for 2023 (Day video 11/1/23 - 2/29/24)

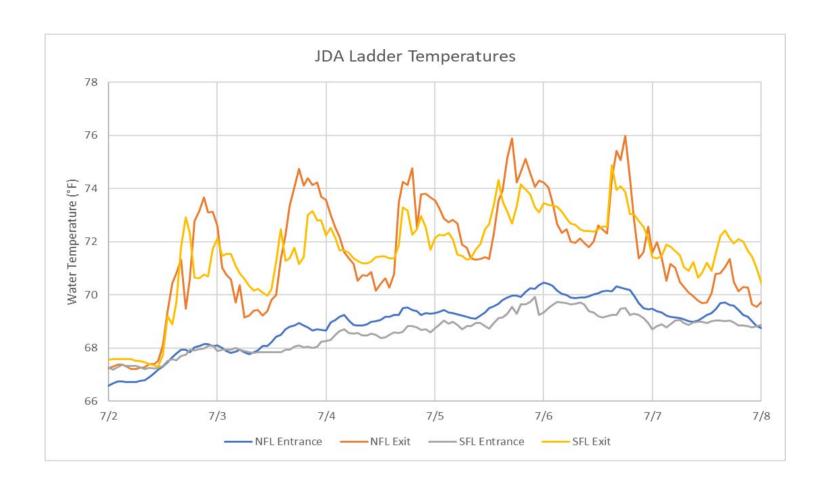
PSMFC smolt condition monitoring began 4/3/23 (currently 3-days/week)

USDA began hazing on 4/16/23 for 7-days/week, as crew availability and weather conditions permit

WDFW currently performing NPMP dam angling (started 5/8/23)

CRITFC translocation started on 6/12/23. NFL LPS collection ended on 6/20/23 due to safety concerns (see 23JDA24)





# **JDA Collection Channel Velocity**

FPP Criteria: 1.5–4.0 feet per second (2 fps optimum)

| Date     | Measurement Location | Speed (ft/sec) | SFL Turbine RPMs (1,2,3) | Bay 19 TW (ft) |
|----------|----------------------|----------------|--------------------------|----------------|
| 7/3/2023 | Unit 4               | 2.76           | 55,55,0                  | 159.4          |
| 7/3/2023 | Unit 12              | 2.71           | 55,55,0                  | 159.4          |
| 7/5/2023 | Unit 4               | 2.79           | 55,55,0                  | 159.7          |
| 7/5/2023 | Unit 12              | 2.66           | 55,55,0                  | 159.7          |
| 7/8/2023 | Unit 4               | 2.77           | 55,55,0                  | 159.9          |
| 7/8/2023 | Unit 12              | 2.61           | 55,55,0                  | 159.9          |

| Average Weekly Velocity (ft/sec) | 2.72 |
|----------------------------------|------|

## **JOHN DAY WEEKLY AVERAGES**

|           |          | Soi        | uth Fish Lad | der      |            | NFL        | JBS           |                   | Spill     |             |
|-----------|----------|------------|--------------|----------|------------|------------|---------------|-------------------|-----------|-------------|
|           | SE1 (Ft) | S.Ent (Ft) | NE1 (Ft)     | NE2 (Ft) | Bay19 (Ft) | N.Ent (Ft) | JBS Diff (Ft) | Spill Vol. (kcfs) | Spill (%) | # Spillbays |
| Sunday    | 8.3      | 1.4        | 9.7          | 9.5      | 1.6        | 1.7        | 4.6           | 36.0              | 35.8      | 10.0        |
| Sunday    | 8.3      | 1.3        | 9.8          | 9.6      | 1.6        | 1.6        | 4.5           | 40.0              | 35.2      | 12.0        |
| Monday    | 8.3      | 1.3        | 9.3          | 9.1      | 1.7        | 1.6        | 4.6           | 46.1              | 35.3      | 17.0        |
| Monday    | 8.6      | 1.4        | 9.6          | 9.4      | 1.7        | 1.5        | 4.6           | 46.2              | 34.7      | 17.0        |
| Tuesday   | 8.4      | 1.5        | 9.6          | 9.4      | 1.8        | 1.5        | 4.6           | 42.0              | 35.3      | 15.0        |
| Tuesday   | 8.3      | 1.4        | 10.1         | 9.9      | 1.7        | 1.4        | 4.6           | 42.1              | 34.7      | 15.0        |
| Wednesday | 8.0      | 1.5        | 9.4          | 9.2      | 1.4        | 1.6        | 4.5           | 41.8              | 34.8      | 14.0        |
| Wednesday | 8.0      | 1.2        | 10.2         | 10.1     | 1.4        | 1.5        | 4.6           | 62.5              | 34.4      | 19.0        |
| Thursday  | 8.1      | 1.3        | 10.1         | 9.9      | 1.7        | 1.4        | 4.5           | 50.8              | 35.0      | 18.0        |
| Thursday  | 8.3      | 1.3        | 10.0         | 9.9      | 1.5        | 1.5        | 4.6           | 50.9              | 34.7      | 18.0        |
| Friday    | 8.1      | 1.3        | 10.0         | 9.8      | 1.7        | 1.5        | 4.7           | 45.2              | 35.0      | 16.0        |
| Friday    | 8.0      | 1.5        | 9.9          | 9.7      | 1.6        | 1.6        | 4.6           | 45.1              | 35.0      | 16.0        |
| Saturday  | 8.4      | 1.2        | 9.8          | 9.6      | 1.7        | 1.5        | 4.6           | 42.7              | 35.0      | 14.0        |
| Saturday  | 8.5      | 1.3        | 10.2         | 10.0     | 1.7        | 1.4        | 4.7           | 50.9              | 35.5      | 18.0        |
| AVG:      | 8.3      | 1.4        | 9.8          | 9.7      | 1.6        | 1.5        | 4.6           | 45.9              | 35.0      | 15.6        |

|           | Temp (F) | Secchi (Ft) | Notes |
|-----------|----------|-------------|-------|
| Sunday    | 67.2     | 6.0         |       |
| Monday    | 68.2     | 6.0         |       |
| Tuesday   | 69.9     | 6.0         |       |
| Wednesday | 69.9     | 6.0         |       |
| Thursday  | 69.3     | 6.0         |       |
| Friday    | 69.6     | 6.0         |       |
| Saturday  | 68.9     | 6.0         |       |
|           |          |             |       |
| AVG       | 69.0     | 6.0         |       |



JDA Bird Counts: <u>7/2/23</u> to <u>7/8/23</u>

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

| Date             | Zone |      | Gul  | lls   |       |      | Cor  | moran | t     |      | Casp | ian ter | 'n    | V    | Vhite | Pelica | ın    |      | Gr   | ebe   |       | Total |
|------------------|------|------|------|-------|-------|------|------|-------|-------|------|------|---------|-------|------|-------|--------|-------|------|------|-------|-------|-------|
| Date             | Zone | 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) | Total |
| 2-Jul            | PHFB | 1    | 1    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 12   | 2     | 0      | 0     | 6    | 6    | 0     | 0     | 28    |
| 2-Jul            | SWFB | 1    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 1    | 0     | 0      | 0     | 0    | 0    | 0     | 0     | 2     |
| 2-Jul            | PH1  | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 21   | 17    | 0      | 0     | 0    | 0    | 0     | 0     | 38    |
| 2-Jul            |      | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 0    | 0     | 0      | 0     | 0    | 0    | 0     | 0     | 0     |
| 2-Jul            |      | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 0    | 0     | 0      | 0     | 0    | 0    | 0     | 0     | 0     |
| 2-Jul            | SW1  | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 40   | 34    | 0      | 0     | 0    | 0    | 0     | 0     | 74    |
|                  | SW2  | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 25   | 5     | 0      | 0     | 0    | 0    | 0     | 0     | 30    |
|                  | SW3  | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 25   | 5     | 0      | 30    | 0    | 0    | 0     | 0     | 60    |
| Avg/Sur          |      | 2    |      | (     | )     |      | 0    |       | 0     |      | )    | C       | )     | 9    | 4     | 1      | 5     |      | 6    | (     | )     | 116   |
|                  | PHFB | 1    | 1    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 3    | 2     | 0      | 0     | 7    | 6    | 0     | 0     | 20    |
|                  | SWFB | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 0    | 0     | 0      | 0     | 0    | 0    | 0     | 0     | 0     |
| 3-Jul            |      | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 13   | 17    | 0      | 0     | 0    | 0    | 0     | 0     | 30    |
| 3-Jul            |      | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 0    | 0     | 0      | 0     | 0    | 0    | 0     | 0     | 0     |
| 3-Jul            | _    | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 2    | 0     | 0      | 0     | 0    | 0    | 0     | 0     | 2     |
|                  | SW1  | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 50   | 34    | 0      | 0     | 0    | 0    | 0     | 0     | 84    |
|                  | SW2  | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 20   | 5     | 0      | 0     | 0    | 0    | 0     | 0     | 25    |
|                  | SW3  | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 15   | 5     | 25     | 0     | 0    | 0    | 0     | 0     | 45    |
| Avg/Sur          |      | 1    |      |       | )     |      | 0    |       | 0     |      | )    | C       |       | 8    |       | 1      |       |      | 7    |       | )     | 103   |
|                  | PHFB | 1    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 3    | 0     | 0      | 0     | 6    | 2    | 0     | 0     | 12    |
| -                | SWFB | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 0    | 0     | 0      | 0     | 0    | 0    | 0     | 0     | 0     |
| 4-Jul            |      | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 18   | 40    | 0      | 0     | 0    | 0    | 0     | 0     | 58    |
| 4-Jul            |      | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 0    | 0     | 0      | 0     | 0    | 0    | 0     | 0     | 0     |
| 4-Jul            |      | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 6    | 0     | 0      | 0     | 0    | 0    | 0     | 0     | 6     |
|                  | SW1  | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 38   | 15    | 0      | 0     | 0    | 0    | 0     | 0     | 53    |
|                  | SW2  | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 12   | 6     | 0      | 0     | 0    | 0    | 0     | 0     | 18    |
|                  | SW3  | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 15   | 6     | 10     | 4     | 0    | 0    | 0     | 0     | 35    |
| Avg/Sur          | _    | 1    | T -  |       | ) -   |      | 0    |       | 0     |      |      | C       |       | _    | 0     |        | 7     |      | 4    |       | )     | 91    |
| -                | PHFB | 0    | 0    | 2     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 3    | 1     | 0      | 0     | 4    | 4    | 0     | 0     | 14    |
|                  | SWFB | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 0    | 0     | 0      | 0     | 0    | 0    | 0     | 0     | 0     |
| 5-Jul            |      | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 1    | 103   | 0      | 0     | 0    | 0    | 0     | 0     | 104   |
| 5-Jul            |      | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 0    | 9     | 0      | 0     | 0    | 0    | 0     | 0     | 9     |
| 5-Jul            |      | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 0    | 3     | 0      | 0     | 0    | 0    | 0     | 0     | 3     |
| -                | SW1  | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 156  | 10    | 0      | 0     | 0    | 0    | 0     | 0     | 166   |
|                  | SW2  | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 59   | 0     | 0      | 0     | 0    | 0    | 0     | 0     | 59    |
| 5-Jul<br>Avg/Sur | SW3  | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 22   | 17    | 0      | 0     | 0    | 0    | 0     | 0     | 39    |
|                  | WOW  | 0    |      |       |       |      | 0    |       | 0     |      | )    | C       |       | 19   | 92    |        | )     | 4    | 4    |       | )     | 197   |

JDA Bird Counts: <u>7/2/23</u> to <u>7/8/23</u>

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

| Date    | Zone |      | Gul  | ls    |       | Cormorant |      |       |       |      | Casp | ian ter | 'n    | '    | White | Pelica | n     |      | Gr   | rebe  |       | Total |
|---------|------|------|------|-------|-------|-----------|------|-------|-------|------|------|---------|-------|------|-------|--------|-------|------|------|-------|-------|-------|
| Date    | Zone | 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) | TULAI |
| 6-Jul   | PHFB | 0    | 0    | 1     | 0     | 0         | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 0    | 0     | 0      | 0     | 3    | 0    | 0     | 0     | 4     |
| 6-Jul   | SWFB | 0    | 0    | 0     | 0     | 0         | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 0    | 0     | 0      | 0     | 0    | 0    | 0     | 0     | 0     |
| 6-Jul   | PH1  | 0    | 0    | 0     | 0     | 0         | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 136  | 86    | 0      | 0     | 0    | 0    | 0     | 0     | 222   |
| 6-Jul   | PH2  | 0    | 0    | 0     | 0     | 0         | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 12   | 9     | 0      | 0     | 0    | 0    | 0     | 0     | 21    |
| 6-Jul   |      | 3    | 0    | 0     | 0     | 0         | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 23   | 11    | 0      | 0     | 0    | 0    | 0     | 0     | 37    |
| 6-Jul   | SW1  | 0    | 0    | 0     | 0     | 0         | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 10   | 12    | 0      | 0     | 0    | 0    | 0     | 0     | 22    |
| 6-Jul   | _    | 0    | 0    | 0     | 0     | 0         | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 20   | 5     | 0      | 0     | 0    | 0    | 0     | 0     | 25    |
| 6-Jul   |      | 0    | 0    | 0     | 0     | 0         | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 45   | 13    | 0      | 0     | 0    | 0    | 0     | 0     | 58    |
| Avg/Sur |      | 2    |      | 1     | L     |           | 0    |       | 0     | (    | 0    | C       | )     | 1    | 91    | (      | 0     | 2    | 2    | (     | )     | 195   |
| 7-Jul   | PHFB | 0    | 0    | 1     | 0     | 0         | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 6    | 2     | 0      | 0     | 3    | 3    | 0     | 0     | 15    |
|         | SWFB | 0    | 0    | 0     | 0     | 0         | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 0    | 0     | 0      | 0     | 0    | 0    | 0     | 0     | 0     |
| 7-Jul   | PH1  | 0    | 0    | 0     | 0     | 0         | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 82   | 7     | 0      | 0     | 0    | 0    | 0     | 0     | 89    |
| 7-Jul   | PH2  | 0    | 0    | 0     | 0     | 0         | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 0    | 0     | 0      | 0     | 0    | 0    | 0     | 0     | 0     |
| 7-Jul   | PH3  | 0    | 0    | 0     | 0     | 0         | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 0    | 0     | 0      | 0     | 0    | 0    | 0     | 0     | 0     |
| 7-Jul   | SW1  | 0    | 0    | 0     | 0     | 0         | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 28   | 23    | 0      | 0     | 0    | 0    | 0     | 0     | 51    |
| 7-Jul   | _    | 0    | 0    | 0     | 0     | 0         | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 41   | 27    | 0      | 0     | 0    | 0    | 0     | 0     | 68    |
| 7-Jul   |      | 0    | 0    | 0     | 0     | 0         | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 28   | 13    | 8      | 10    | 0    | 0    | 0     | 0     | 59    |
| Avg/Sur |      | 0    |      | 1     | L     |           | 0    |       | 0     | •    | 0    | C       | )     | 1    | 29    |        | 9     | (3)  | 3    | (     | )     | 141   |
| 8-Jul   | PHFB | 1    | 2    | 0     | 0     | 0         | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 5    | 4     | 0      | 0     | 4    | 4    | 0     | 0     | 20    |
|         | SWFB | 0    | 0    | 0     | 0     | 0         | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 1    | 1     | 0      | 0     | 0    | 0    | 0     | 0     | 2     |
| 8-Jul   |      | 0    | 0    | 0     | 0     | 0         | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 60   | 9     | 0      | 0     | 0    | 0    | 0     | 0     | 69    |
| 8-Jul   | PH2  | 0    | 0    | 0     | 0     | 0         | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 0    | 0     | 0      | 0     | 0    | 0    | 0     | 0     | 0     |
| 8-Jul   | PH3  | 0    | 0    | 0     | 0     | 0         | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 0    | 0     | 0      | 0     | 0    | 0    | 0     | 0     | 0     |
| 8-Jul   |      | 0    | 0    | 0     | 0     | 0         | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 62   | 7     | 0      | 0     | 0    | 0    | 0     | 0     | 69    |
| 8-Jul   | SW2  | 0    | 0    | 0     | 0     | 0         | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 75   | 3     | 0      | 0     | 0    | 0    | 0     | 0     | 78    |
| 8-Jul   |      | 0    | 0    | 0     | 0     | 0         | 0    | 0     | 0     | 0    | 0    | 0       | 0     | 75   | 5     | 20     | 5     | 0    | 0    | 0     | 0     | 105   |
| Avg/Sur | vey  | 2    |      | (     | )     |           | 0    |       | 0     |      | 0    | C       | )     | 1    | 54    | 1      | .3    | 4    | 4    |       | )     | 172   |

| Totals       | Gul | lls | Cor | morant | Casp | ian tern | White | Pelican | Gr | Total |       |
|--------------|-----|-----|-----|--------|------|----------|-------|---------|----|-------|-------|
|              | F   | NF  | F   | NF     | F    | NF       | F     | NF      | F  | NF    | iotai |
| Weekly Total | 12  | 4   | 0   | 0      | 0    | 0        | 1842  | 112     | 58 | 0     | 2028  |
| Avg/Survey   | 1   | 0   | 0   | 0      | 0    | 0        | 132   | 8       | 4  | 0     | 145   |

