# Fish Passage Plan (FPP) Change Form

**Change Form # & Title**: 22AppL001 – JDA Updates

**Date Submitted**: 9-November-2021

**Project**: John Day Dam

**Requester Name, Agency**: Scott Fielding, Michael Lotspeich, Laura Ricketts CENWP-ODJ

**Final Action: APPROVED 27-January-2022**

**FPP Section**: Appendix L (Predator Mgmt Plans) – Table 2 and JDA section 5.1.

**Justification for Change**:

The “trigger for additional action is 50% of the 5-year average” defined in section 5.3 should also be added to Table 2.

In section 5.1 (Monitoring), bird counts are done during inspections and inspection times can vary each day depending on workload.

**Proposed Change**:

See following pages for edits to existing FPP text in “track changes.”

**Comments**:

**Record of Final Action**: Approved at FPOM FPP meeting 1/27/22.

Table 2. Hazing Dates & Methods at Lower Columbia and Lower Snake River Projects (as of January 2021). See Sections 3-10 below for project-specific descriptions.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Dam** | **Passive Deterrents** | **Hazing Dates** | **Location** | **Hazing hours/day** | **Hazing Methods** | **Action Trigger** |
| **BON** | Avian wires, sprinklers | April 1 – July 31 (Avian) | Shore | 8 | Pyrotechnics, sound, propane cannon (if necessary) | 150 birds in a single zone |
| **TDA** | Avian wires | April 15 – July 31 | Shore, Boat | 14 (Apr/Jul)16 (May/Jun) | Pyrotechnics | 50% of 5-yr average |
| **JDA** | Avian wires | April 10 – July 31 | Boat | 8 | Pyrotechnics |  50% of 5-yr average |
| **MCN** | Avian wires, needle strips | April 25 – July 24 | Shore, Boat | Shore: 12 (Apr 25-Jul 10, 6 days/wk)Shore: 8 (Jul 11-24 and Sundays)Boat: 10 (May 2-Jul 10, 3 days/wk except Sundays) | Pyrotechnics, sound, lasers, lethal take (if necessary) | N/A |
| **IHR** | Avian wires, wire spikes, sprinklers | April 1 – June 30 | Shore, Boat | Shore: 8 (Apr 1-3, Jun 6-30)Shore: 16 (Apr 4-Jun 5)Boat: 3 days/wk (Apr 4-17, May 23-Jun 5)Boat: 5 days/wk (Apr 18-May 22) | Pyrotechnics, sound, laser, lethal take (if necessary) | Daily count twice 3-yr average; unresponsive to hazing. |
| **LMN** | Avian wires, sprinklers | April 1 – June 2 (to July 1 if needed) | Shore | 8 (Apr 1-May 2)16 (May 3-Jun 2) | Pyrotechnics, sound, lethal take (if necessary) | 86 gulls, 43 terns, 15 cormorants |
| **LGS** | Avian wires, needle strips, sprinklers, visual | March 29 – June 19 | Shore, Boat | Shore: 8 (Mar 29-Apr 10, May 23-Jun 19)Shore: 16 (Apr 11-May 22)Boat: 8 (Mar 29-Jun 19, 3 days/wk) | Pyrotechnics, sound, lethal take (if necessary) | 100 gulls &/or terns, 50 cormorants |
| **LWG** | Avian wires, needle strips, sprinklers | April 1 – June 30 | Shore | 8 (Apr 1-19, Jun 2-30)16 (Apr 20-Jun 1) | Pyrotechnics, sound, lethal take (if necessary) | 57 gulls, 110 cormorants |

1. john day dam

**5.1 Monitoring**. Avian monitoring is done throughout the year at JDA. During the adult and juvenile fish passage seasons inspections are made twice daily. These numbers for the week are included in the weekly status report to the region, along with a brief assessment of the effectiveness of the avian deterrent program. During the winter months bird numbers are collected once daily due to only one inspection needed during the maintenance season. An annual summary will be provided in the fish facility annual report. Birds most commonly observed at JDA are gulls, cormorants, grebes, and American white pelicans. Their presence and distribution differ from each other throughout the season. Their foraging and non-foraging numbers along with Caspian terns will be monitored. There are 3 powerhouse tailrace zones and 3 spillway tailrace zones along with a forebay zone for both the powerhouse and spillway. Birds are counted in each of these zones during the fisheries inspections. ~~at 0800 and 1600.~~

5.2. Action Plan. Measures for avian deterrence at JDA are listed below. With the current configuration of the avian abatement array and boat hazing, JDA project fisheries believes this is sufficient for deterring gulls, the primary predator at JDA, from feeding in the tailrace.

* + - * 1. Avian array: 125 lines stretched across the tailrace expanding 2,200’ below the dam.
				2. Boat hazing: April 10–July 31, 7 days per week, 8-hour shifts. In the event weather and/or other conditions preclude safe boat operation, hazing shall occur from dam structures and/or adjacent shorelines.

5.3 Incident Response. The trigger for additional action is 50% of the 5-year average. Lethal removal is being pursued as an option but is not approved by NWP at this time. If for some reason hazing is not available, propane cannon, distress calls, and other recent bird replant technology will be tried in attempts to abate gulls. Handheld lasers are being tested by COE employees and will be used if shown beneficial.