

MEMORANDUM FOR THE RECORD

SUBJECT: 23JDA23 Partial Juvenile Bypass System Dewatering for Expansion Joint Inspection Downstream of Tainter Gate

On Tuesday 30 May 2023, at approximately 0730, John Day Fisheries (JDF) and John Day Mechanical (JDM) closed the tainter gate to inspect the expansion joint just downstream of the tainter gate after JDF had noticed material from the joint flapping in the water. The transport flume flushing valve was opened all the way to keep any fish in the flume from being stranded. Weirs 1 and 2 were opened all the way at the Primary Dewatering Structure (PDS) to drop the water level to approximately 1 foot to allow JDM to enter the area and assess the problem. JDM removed approximately 3 feet of caulk and packing rope from the joint and it was determined to be safe for fish passage until further work can be done on the expansion joint during this winter maintenance period. The tainter gate was closed for approximately 1 hour before being opened back up and the PDS returned to its normal state. At 0830 the switch gate was switched to sample mode and the Smolt Monitoring Facility (SMF) started their condition sampling for the day with no issues.

Future and Preventative Measures – This expansion joint has been an ongoing issue, and a redesign of the area may be the best option.

Sincerely,
JDA Project Fisheries