

MEMORANDUM FOR THE RECORD

SUBJECT: 17JDA15 MFR – Partial JDA SMF Dewatering for Emergency Joint Inspection near Tainter Gate

PROBLEM: During a routine inspection, a local hydraulic disturbance/ increased water spraying was noticed in the area of the JD JBS/SMF Tainter Gate’s Expansion Joint on 10/11/2017. Due to the prior concerns with this Joint, JD Fisheries decided to inspect its condition ASAP. In order to visually inspect the joint’s integrity, the JBS/SMF had to be temporarily shut down/ OOS. The Tainter Gate and JBS orifices were closed and the SMF Elevated Chute’s water level was lowered to approximately one foot depth from 10AM to 12 PM, on 10/16/2017 to facilitate proper/safe entry conditions for the inspecting crew.

Upon inspection, it appeared that some soft, joint packing material has come out from the joint and it was bulging out in places, by one to two inches, into the flow. Some loose, surface caulking was quickly cut off with a knife, but overall this joint was determined to be acceptable to safe fish passage until the winter maintenance commences on 16 December 2017. This emergency JD JBS/SMF outage lasted approximately 2 hours, without any significant impact on the passing fish.



Information collected is provided below:

- A. Species – Juvenile and Adult Salmonids
- B. Origin – N/A
- C. Length – N/A
- D. Marks and tags – N/A
- E. Marks and Injuries found on carcass – N/A
- F. Cause and Time of Death – N/A
- G. Future and Preventative Measures – Ensure that this critical expansion joint's repairs are planned in advance by JD Maintenance and performed with proper care and attention to assure its structural integrity through the entire fish passage season.

Sincerely,
JD Fisheries