

MEMORANDUM FOR THE RECORD - 14 LWG 19 MFR Lower Granite Juvenile Fish Mortality at Lower Granite Juvenile Collection Facility – 02 November 2014

SUBJECT: MFR Lower Granite juvenile fish mortality while in primary bypass operation – 31 October – 02 November 2014.

Description of the problem: On 31 October 2014 at 1015 hours Lower Granite’s juvenile fish facility operation was change from secondary bypass to primary bypass. It was reported that historically fish mortalities occurred on the incline screen when the facility was in primary bypass. Therefore the separator was remained manned twenty-four hours to monitor the screen. While in primary bypass Corps biological technicians observed juvenile fish mortalities accumulating on the dewatering incline screen. A temporary barrier screen was installed on the incline screen on 31 October to prevent fish from becoming stranded on the screen. Due to the water current at the barrier screen location fish become fatigued and impinged on the barrier screen. At 0800 hours on 1 November Corps personnel made adjustments to the water supply and modifications to the barrier screen. These adjustments and modifications were unsuccessful. At 0800 hours on 2 November the facility was changed to secondary bypass operation.

Actions taken: Facility operation was changed to secondary bypass.

Impact on fish passage: Mortalities included 98 unclipped subyearling Chinook, 51 juvenile crappie, and 2 sandrollers.

Length of time for repairs: N/A

Future changes to minimize impact: Lower Granite will continue to monitor the incline screen and continue to operate the juvenile facility in secondary bypass. Modifications of the incline screen and the primary dewaterer included in phase 1 of the juvenile fish facility upgrade will likely eliminate this problem.

Sincerely,
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