

MEMORANDUM FOR THE RECORD

Date: March 28, 2011

From: Bob Cordie, The Dalles Project Biologist

Re: Juvenile lamprey mortalities in Main Unit 9 cooling water strainer

With recent awareness of lamprey entrainment in turbine unit cooling water systems at other projects, The Dalles Project Fisheries (Fisheries) has started a monitoring process for determining if there is entrainment in The Dalles turbine cooling water systems. Maintenance crews were instructed to inform Fisheries when the strainer systems are disassembled for maintenance so Fisheries personnel could inspect for lamprey mortalities. Sixteen units have the old style of strainer, requiring annual maintenance and cleaning. Six units have a new type of self-cleaning strainer. Detailed information of the old and new style strainer was provided to FPOM.

Upon inspecting the Main Unit 9 strainer on March 21, 1 juvenile lamprey mortality was observed. When removing what looked like mud/silt, 7 more juvenile lamprey mortalities were identified in various states of decomposition. It is not known how long an identifiable lamprey will actually remain on these strainers. This was the first strainer inspection by Fisheries to date.

Monitoring will continue and a database will be kept for future needs.

