

Date: April 4, 2011

From: Bob Cordie, The Dalles Project Biologist

Re: Juvenile lamprey mortalities in Main Unit 12 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 to determine the extent of 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 12 strainer on April 4, 5 juvenile lampreys were found. Four of these lampreys were alive and released to tailrace. This was the second strainer inspection by Fisheries to date.

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