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December 8, 2015

MEMORANDUM

TO: Council members

FROM: **Nancy Leonard**, Fish, Wildlife Ecosystem Monitoring and Evaluation Mgr.
Laura Robinson, Program Implementation and Liaison Specialist
Patty O'Toole, Program Implementation Manager

SUBJECT: **Presentation on a basic mapping tool to facilitate viewing natural-origin salmon and steelhead abundance objectives within a subbasin**

BACKGROUND:

Presenter: Nancy Leonard

Summary: Council staff will demonstrate the interactive mapping tool for natural-origin salmon and steelhead abundance objectives. The mapping tool organizes existing population objectives by subbasin following regional input and the Fish and Wildlife Committee guidance. Displaying existing objectives in this manner facilitates understanding how many populations have more than one objective, whether these objectives make sense for a population, or whether there is a need to address inconsistencies among these values. Viewing existing objectives within a subbasin also helps identify populations that have a gap related to abundance objectives and whether there are inconsistencies in the population information reported (e.g., name, run, combining populations). Summary information about the objectives displayed in the mapper is provided on the [Council's website](#) and by clicking 'more info' in the mapping tool.

Relevance: This basic mapping tool for natural-origin salmon and steelhead abundance objectives facilitates viewing and comparing existing

objectives for a given population within a subbasin. This tool will inform regional discussions to refine a realistic set of quantitative objectives for the program. This task supports the Program Emerging Priority # 2: compile existing objectives.

Workplan: This tool addresses the high priority work plan item #2b. It specifically addresses the 2014 Fish and Wildlife Program task for *Refining program goals and quantitative objectives* ([Part 3, III, A. 1](#)). The Program states that: *the Council will work with state and federal agencies and tribes in the region to collect, organize, review, and report on these quantitative objectives by the end of 2015. This effort should include a review of agency and tribal management plans, draft and final federal recovery plans, subbasin plans and other relevant documents and reports. The final report will include, but not be limited to, an inventory of non-ESA listed populations of salmon and steelhead that lack federal recovery objectives.*

Background: Staff continues to implement the Fish and Wildlife Committee guidance related to compiling and geographically displaying exiting natural-origin salmon and steelhead abundance objectives. Staff is partnering with NOAA-staff in the NOAA-led Columbia River Partnership process (see the next agenda item for information about the partnership process). All files and tools developed by Council staff are made available online to the public and to NOAA-staff.

To-date, staff have:

- Compiled existing objectives in a database and reviewed these with the region during the [June 3, 2015](#) regional meeting for refining salmon and steelhead objectives
- [Revised compilation of objectives](#) per regional input.
- Developed, with QW Consulting, a basic geographic tool to facilitate viewing objectives within a subbasin for a population. This mapping tool will be posted on December 16 on the Council's [Adaptive Management / Program Goals and Objectives webpage](#).
- [Posted](#) to the Council website: information on how to use this tool, summary information about the objectives displayed, list of populations with objectives, and explanations for multiple objectives for some populations.

More Info: For details about how to use the mapping tool and summary information about the populations and abundance variables please read the [‘mapping tool information and instructions’](#).