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September 7, 2022

MEMORANDUM

TO: Fish and Wildlife Committee Members

FROM: Mark Fritsch

SUBJECT: Fish Passage Manual and Introduction of New Climate Change Guidance for Fish Passage Projects

BACKGROUND:

Presenter: Jeff Brown, *Hydraulic Engineer, West Coast Region, NOAA Fisheries*

Summary: Jeff will provide a brief update on the history and status overview of NOAA's recently released updated passage design manual. The manual provides general guidance for the design, operation, and maintenance of fishways throughout the Pacific Northwest. In addition, Jeff will highlight efforts for expanding the use of climate science in management applications fish passage projects and modifications.

Relevance: Fish and Wildlife managers use this manual for the design and operation of facilities at barriers to fish migration and water intakes (including screens), as well as all the habitat restoration efforts including weirs, channel construction (floodplain reconnect), stream crossings, passage and road crossings (culverts) to create safe passage routes for adult and juvenile salmonids in the rivers and streams in the Columbia Basin.

Workplan: Fish and Wildlife Division work plan 2022; Program Implementation.

More Info:

- NMFS (National Marine Fisheries Service). 2022. [Guidelines for Salmonid Passage at Stream Crossings in Oregon, Washington, and Idaho](#). NMFS. WCR. Portland, Oregon.
- NMFS (National Marine Fisheries Service). 2021. [DRAFT Western Regional Action Plan to Implement the NOAA Fisheries Climate Science Strategy in 2022 – 2024](#). NMFS. WCR. Portland, Oregon.
- Northwest Power and Conservation Council, Program Tracker, [Fish Screens](#) resource map web-site.