



Oregon Fish Habitat Distribution and Essential Salmonid Habitat

September 22, 2020

Primary Data Sources

- Baseline 1:24,000 scale mapping project
- Large scale inventory or monitoring efforts by state and federal resource agencies
- Periodic, targeted reviews (e.g. ESH, barrier prioritization)
- Case by case updates

FHD Scope and Content

- Habitat based
- Species / run specific
- Current vs. historical
- Basis for habitat identification
- Habitat Use
- Life history, origin, production, references
- ESH designation

FHD Data Standard

- Overview of Oregon Framework Data
- Framework standard process / endorsement
- Technical focus
 - Data characteristics
 - Definitions
 - Domains
 - Business rules



Oregon Fish Habitat Distribution Data Standard

Version 4.0
April 2020

Revision History

Version 1.0 Endorsed by the Oregon Geographic Information Council March 27, 2008

Version 2.0 Revised September 2010 – February, 2011 based on input from ODFW, BLM, Pacific States Marine Fisheries Commission, NOAA Fisheries, Oregon Dept. of Transportation and the Oregon Biodiversity Information Center. Revisions include changes to the scope of the standard, modifications to some attribute domains, the addition of two optional attribute elements and the addition of two business rules.

Version 3.0 Revised December, 2014 – March, 2015 based on input from ODFW, BLM, USFS, Pacific States Marine Fisheries Commission, Oregon Department of Transportation, Oregon Department of State Lands, Oregon Department of Environmental Quality and the Oregon Biodiversity Information Center. Revisions include changes to the minimum graphic elements, optional attribute elements, Domain of Attributes (Appendix C) and Business Rules (Appendix D). Endorsed by the Oregon Geographic Information Council June 17, 2015

Version 4.0 Revised April – September, 2019 based on input from ODFW, BLM, USFS, US Fish and Wildlife Service, Pacific States Marine Fisheries Commission, Oregon Department of Transportation, Oregon Department of State Lands, Oregon Department of Environmental Quality, Oregon Department of Forestry, Oregon Department of Agriculture, Weyerhaeuser Co., Urban Greenspaces Institute. Revisions include a new optional attribute element to identify specific habitat end extent determinations, a new optional attribute element to describe habitat access methods, a new optional attribute element to identify end extent barriers, changes related to the incorporation of modeled data, an expansion of the species domain, new business rules for designating Essential Salmonid Habitat and rules to clarify acceptable methods for standardized fish and habitat surveys.

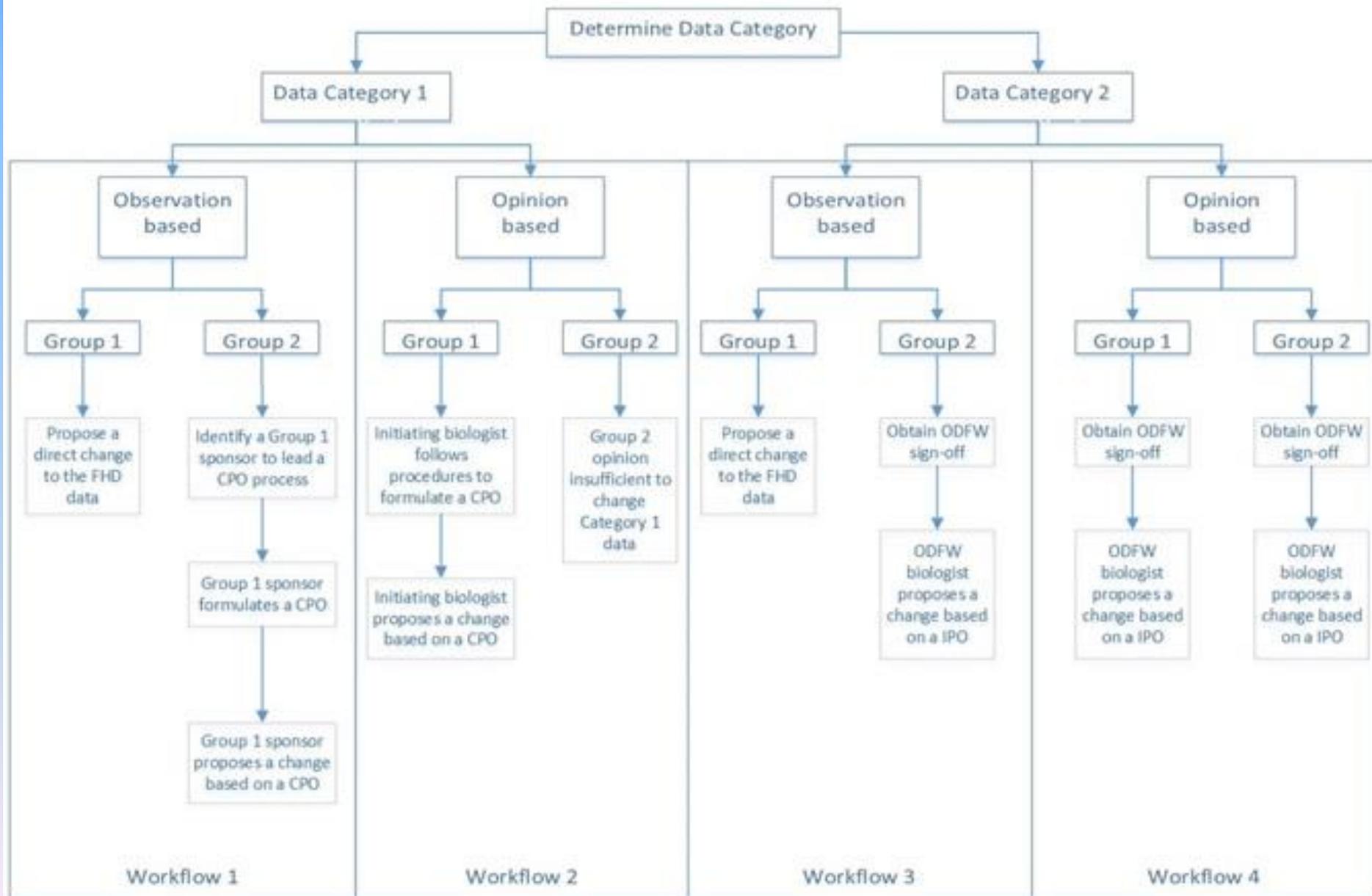
Please address comments to:

Framework Implementation Team
Bioscience Features Subcommittee
Jon Bowers, GIS Coordinator
Oregon Department of Fish and Wildlife
Jon.k.bowers@state.or.us

Process for Updates

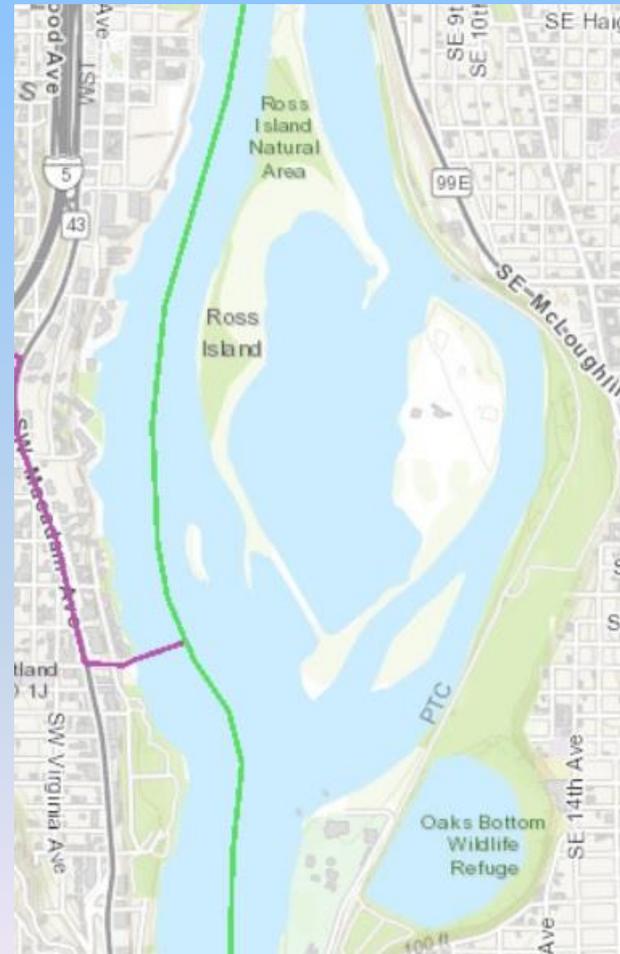
- Stewardship Plan
 - main guidance
- Data Standard Business Rules
 - supplementary guidance
- Key Considerations
 - Data Category
 - Data Provider Group
 - Basis for Change

Fish Habitat Distribution Data Update Flow Chart



Application of FHD to ESH

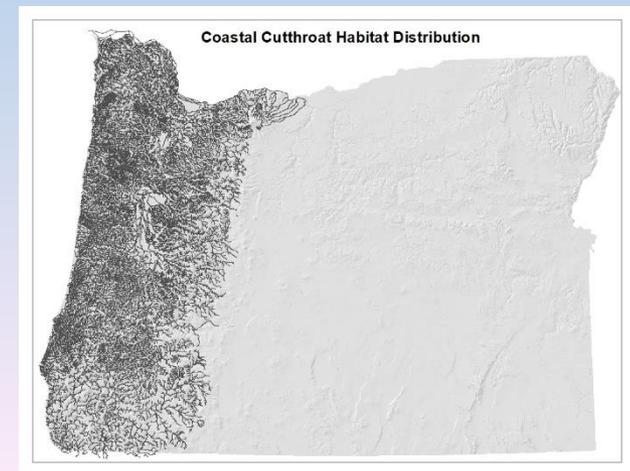
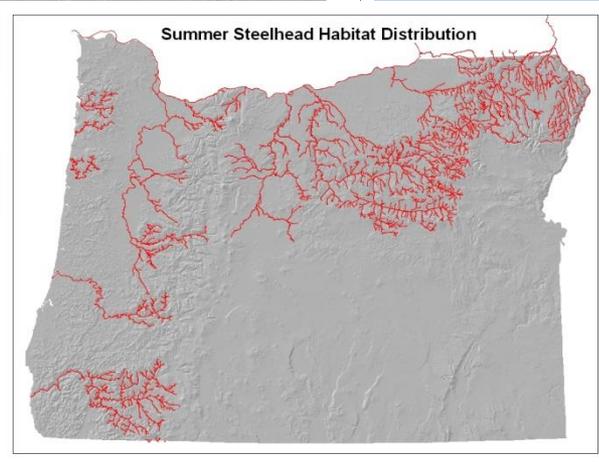
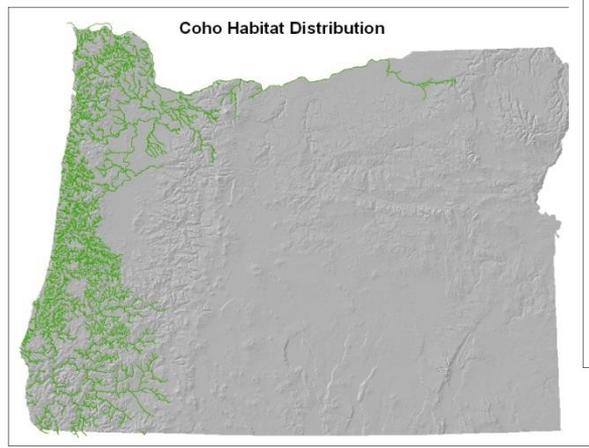
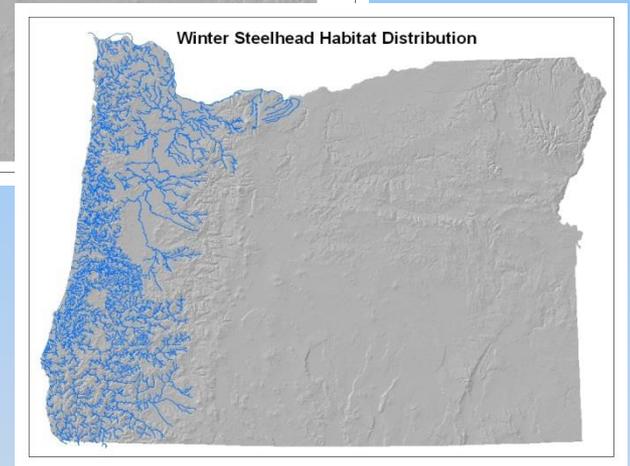
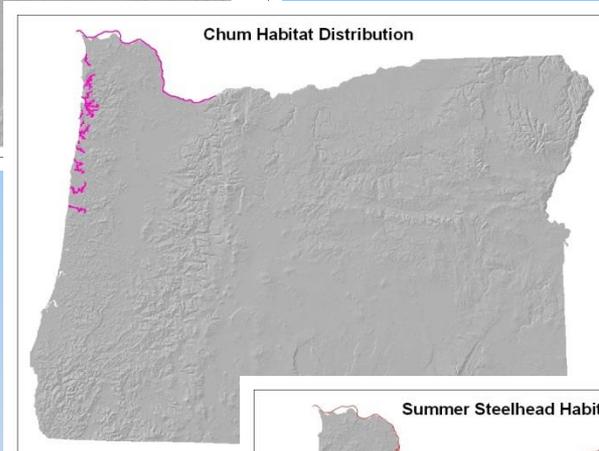
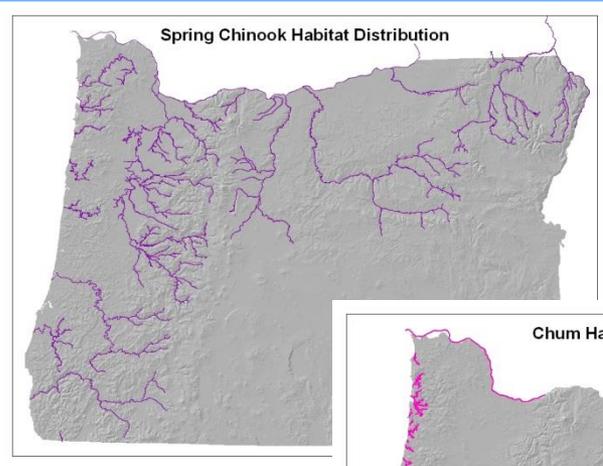
- FHD data provide a simplified representation of stream-based fish habitat (stream centerlines)
- Braided and off-channel areas are implicitly identified
- Site-specific determinations follow rule guidance



Deriving Essential Salmonid Habitat

- ODFW District Review & Update of Species Specific Datasets
- FHD Steward Assigns ESH designation
- Conduct QA and finalize component datasets
- Identify ESH qualifying records

ESH Datasets



Changes to the ESH Footprint 2015 vs. 2020

- Update to ODFW Sensitive Species List (2016)
 - dropped coastal ESU winter steelhead
- Incremental Updates to FHD Datasets
 - Additions, Reductions
 - Attribute Updates
- Inclusion of USFS / BLM Special Status Species List (2019)
 - Added Klamath Mtn Province winter steelhead and added back coastal ESU winter steelhead

Fish Habitat Distribution & Barrier Editor

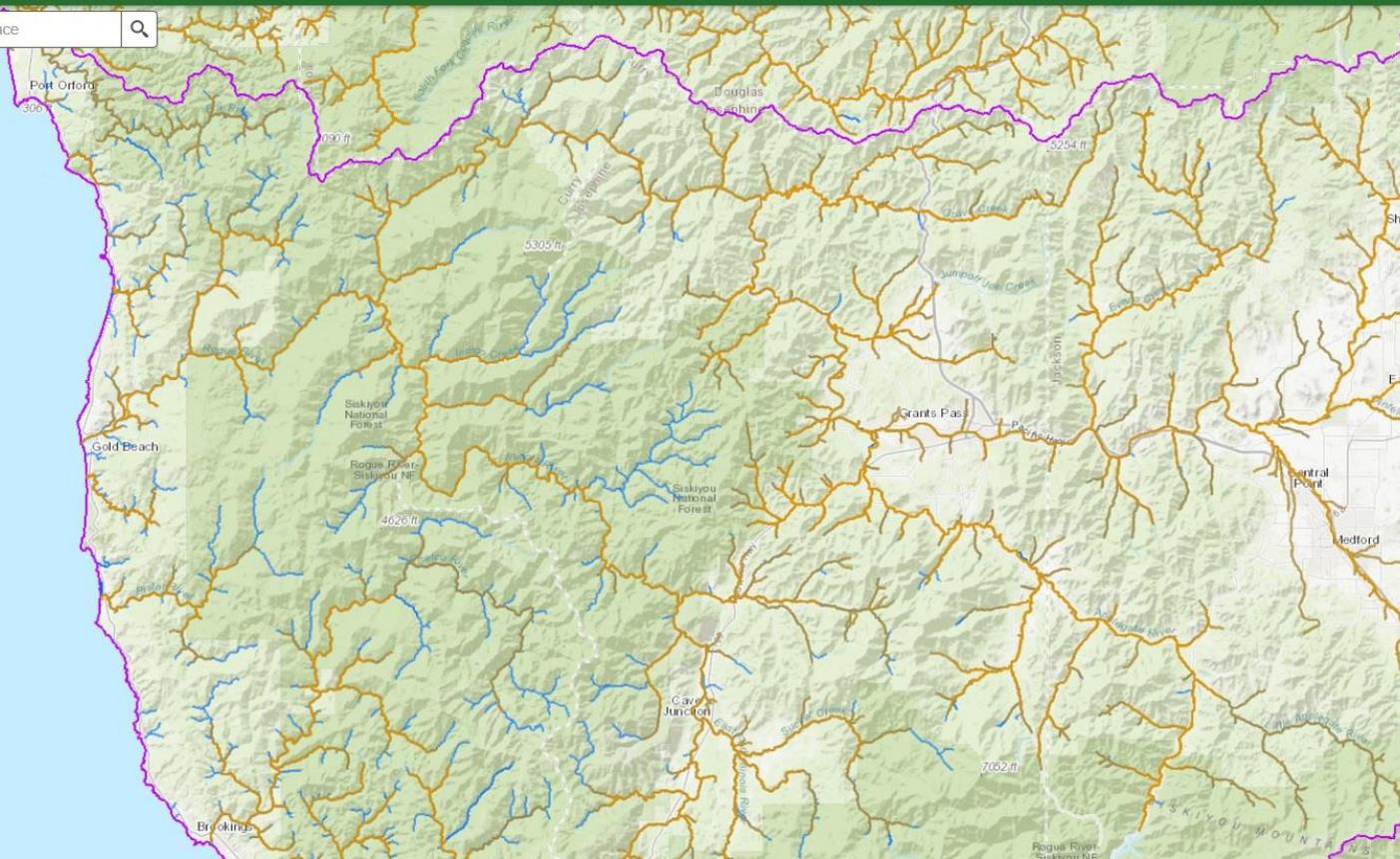


Layer List

- Proposed Fish Passage Barrier Edits
- Proposed Fish Habitat Distribution Edits
- Fish Biologist Districts
- Fish Passage Barriers
- Fish Habitat Distribution
- Draft Essential Salmonid Habitat 2019
- ESH 2015
- ESH 2019 DRAFT
- Coastal Cutthroat Draft ESH
- Coho Draft ESH
- Fall Chinook Draft ESH
- Spring Chinook Draft ESH
- Chum Draft ESH
- Sockeye Draft ESH
- Winter Steelhead Draft ESH



Find address or place



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Questions?

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