

Please provide the following information, and submit to the NOAA DM Plan Repository.

Reference to Master DM Plan (if applicable)

As stated in Section IV, Requirement 1.3, DM Plans may be hierarchical. If this DM Plan inherits provisions from a higher-level DM Plan already submitted to the Repository, then this more-specific Plan only needs to provide information that differs from what was provided in the Master DM Plan.

URL of higher-level DM Plan (if any) as submitted to DM Plan Repository:

1. General Description of Data to be Managed

1.1. Name of the Data, data collection Project, or data-producing Program:

Lower Columbia River Coho Salmon Critical Habitat GIS Data

1.2. Summary description of the data:

These data depict the habitat areas designated as critical habitat under the U.S. Endangered Species Act (ESA) for Lower Columbia River Coho Salmon (81 FR 9252, February 24, 2016). The data also reveal numerous disconnected stream segments that reflect areas deemed ineligible for designation or excluded from designation per section 4 of the ESA.

The document "Designation of Critical Habitat for Lower Columbia River Coho Salmon and Puget Sound Steelhead FINAL Biological Report - December 2015" contains species distribution maps and data and identifies the specific GIS edits made between NMFS' proposed and final rules and is available online at: http://www.westcoast.fisheries.noaa.gov/protected_species/salmon_steelhead/salmon_and_steelhead_listings/coho/lower_columbia_river_coho_proposed_critical_habitat_supporting_information.html

1.3. Is this a one-time data collection, or an ongoing series of measurements?

Ongoing series of measurements

1.4. Actual or planned temporal coverage of the data:

2016 to Present

1.5. Actual or planned geographic coverage of the data:

W: -124.109732, E: -121.482756, N: 46.697014, S: 44.795973

1.6. Type(s) of data:

(e.g., digital numeric data, imagery, photographs, video, audio, database, tabular data, etc.)

Map (digital)

1.7. Data collection method(s):

(e.g., satellite, airplane, unmanned aerial system, radar, weather station, moored buoy, research vessel, autonomous underwater vehicle, animal tagging, manual surveys, enforcement activities, numerical model, etc.)

Instrument: Not Applicable

Platform: Not Applicable

Physical Collection / Fishing Gear: Not Applicable

1.8. If data are from a NOAA Observing System of Record, indicate name of system:

1.8.1. If data are from another observing system, please specify:

2. Point of Contact for this Data Management Plan (author or maintainer)

2.1. Name:

Steve Stone

2.2. Title:

Metadata Contact

2.3. Affiliation or facility:

2.4. E-mail address:

steve.stone@noaa.gov

2.5. Phone number:

503-231-2317

3. Responsible Party for Data Management

Program Managers, or their designee, shall be responsible for assuring the proper management of the data produced by their Program. Please indicate the responsible party below.

3.1. Name:

Charleen A Gavette

3.2. Title:

Data Steward

4. Resources

Programs must identify resources within their own budget for managing the data they produce.

4.1. Have resources for management of these data been identified?

4.2. Approximate percentage of the budget for these data devoted to data management (specify percentage or "unknown"):

Unknown

5. Data Lineage and Quality

NOAA has issued Information Quality Guidelines for ensuring and maximizing the quality, objectivity, utility, and integrity of information which it disseminates.

5.1. Processing workflow of the data from collection or acquisition to making it publicly accessible

(describe or provide URL of description):

Lineage Statement:

The linework for this layer is based on the Washington Department of Fish and Wildlife 1:24,000 (24K) and 1:100,000 (100K) Statewide Salmonid Fish Distribution and Oregon Salmon and Steelhead Habitat Distribution at 1:24,000 Scale.

Process Steps:

- The information in this data layer was compiled by the NOAA Fisheries West Coast Region's Protected Resources Division using the best available GIS data on species distribution from the Oregon Department of Fish and Wildlife and the Washington Department of Fish and Wildlife. The original datasets formed the basis of NOAA Fisheries' January 14, 2013 proposed critical habitat designation (78 FR 2726) and were subsequently modified for the February 24, 2016 final designation (81 FR 9252) based on comments and new data/information obtained from the public and federal, state and tribal comanagers. The species' distribution data layer was also modified per provisions of Section 4 of the ESA by removing specific areas/line segments based on NOAA Fisheries' determination that the overlap areas: (1) Warrant exclusion from designation because our conservation relationship with the landowners - in particular Indian tribes and Habitat Conservation Plan partners - provide benefits that outweigh the benefits of designation as critical habitat. For Indian lands, NOAA Fisheries reviewed GIS data available from the Interior Columbia Basin Ecosystem Management Project [available at: <http://www.icbemp.gov/html/spatial.shtml>]. For Habitat Conservation Plan (HCP) lands, NOAA Fisheries consulted with specific landowners including the Washington Department of Natural Resources (WDNR). *** NOTE - Overlap areas with the WDNR HCP and the WDNR Forest Practices HCP were identified based on the best available information from the WDNR and from the Washington Office of the US Fish and Wildlife Service (for that agency's bull trout critical habitat designation). Users should contact the WDNR to determine where stream segments have site-specific overlap with these HCPs. (2) Warrant exclusion from designation because our analysis found that economic impacts outweighed the benefits of designation as critical habitat. NOAA Fisheries reviewed economic data at the scale of 5th field hydrologic units and excluded all reaches within specific units. GIS modifications made between proposed and final designations are described in the agency's December 2015 report titled "Designation of Critical Habitat for Lower Columbia River Coho Salmon and Puget Sound Steelhead FINAL Biological Report" [available at: http://www.westcoast.fisheries.noaa.gov/protected_species/salmon_steelhead/salmon_and_steelhead_listings/steelhead/puget_sound/puget_sound_steelhead_proposed_critical_habitat_supporting_information.html]. Our assessment of specific overlap areas described above is contained in a December 2015 report titled "Designation of Critical Habitat for Lower Columbia River Coho Salmon and Puget Sound Steelhead FINAL Section 4(b)(2) Report" [also available at the same website].

5.1.1. If data at different stages of the workflow, or products derived from these data, are subject to a separate data management plan, provide reference to other plan:

5.2. Quality control procedures employed (describe or provide URL of description):

6. Data Documentation

The EDMC Data Documentation Procedural Directive requires that NOAA data be well documented, specifies the use of ISO 19115 and related standards for documentation of new data, and provides links to resources and tools for metadata creation and validation.

6.1. Does metadata comply with EDMC Data Documentation directive?

No

6.1.1. If metadata are non-existent or non-compliant, please explain:

Missing/invalid information:

- 4.1. Have resources for management of these data been identified?
- 5.2. Quality control procedures employed
- 7.3. Data access methods or services offered
- 7.4. Approximate delay between data collection and dissemination
- 8.1. Actual or planned long-term data archive location
- 8.3. Approximate delay between data collection and submission to an archive facility
- 8.4. How will the data be protected from accidental or malicious modification or deletion prior to receipt by the archive?

6.2. Name of organization or facility providing metadata hosting:

NMFS Office of Science and Technology

6.2.1. If service is needed for metadata hosting, please indicate:

6.3. URL of metadata folder or data catalog, if known:

<https://www.fisheries.noaa.gov/inport/item/56375>

6.4. Process for producing and maintaining metadata

(describe or provide URL of description):

Metadata produced and maintained in accordance with the NOAA Data Documentation Procedural Directive: https://nosc.noaa.gov/EDMC/DAARWG/docs/EDMC_PD-Data_Documentation_v1.pdf

7. Data Access

NAO 212-15 states that access to environmental data may only be restricted when distribution is explicitly limited by law, regulation, policy (such as those applicable to personally identifiable

information or protected critical infrastructure information or proprietary trade information) or by security requirements. The EDMC Data Access Procedural Directive contains specific guidance, recommends the use of open-standard, interoperable, non-proprietary web services, provides information about resources and tools to enable data access, and includes a Waiver to be submitted to justify any approach other than full, unrestricted public access.

7.1. Do these data comply with the Data Access directive?

Yes

7.1.1. If the data are not to be made available to the public at all, or with limitations, has a Waiver (Appendix A of Data Access directive) been filed?

7.1.2. If there are limitations to public data access, describe how data are protected from unauthorized access or disclosure:

7.2. Name of organization of facility providing data access:

West Coast Regional Office (WCRO)

7.2.1. If data hosting service is needed, please indicate:

7.2.2. URL of data access service, if known:

https://archive.fisheries.noaa.gov/wcr/maps_data/endangered_species_act_critical_habitat.html

https://archive.fisheries.noaa.gov/wcr/publications/gis_maps/maps/salmon_steelhead/critical_habitat.html

7.3. Data access methods or services offered:

7.4. Approximate delay between data collection and dissemination:

7.4.1. If delay is longer than latency of automated processing, indicate under what authority data access is delayed:

8. Data Preservation and Protection

The NOAA Procedure for Scientific Records Appraisal and Archive Approval describes how to identify, appraise and decide what scientific records are to be preserved in a NOAA archive.

8.1. Actual or planned long-term data archive location:

(Specify NCEI-MD, NCEI-CO, NCEI-NC, NCEI-MS, World Data Center (WDC) facility, Other, To Be Determined, Unable to Archive, or No Archiving Intended)

8.1.1. If World Data Center or Other, specify:

8.1.2. If To Be Determined, Unable to Archive or No Archiving Intended, explain:

8.2. Data storage facility prior to being sent to an archive facility (if any):

West Coast Regional Office - Portland, OR

8.3. Approximate delay between data collection and submission to an archive facility:

8.4. How will the data be protected from accidental or malicious modification or deletion prior to receipt by the archive?

Discuss data back-up, disaster recovery/contingency planning, and off-site data storage relevant to the data collection

9. Additional Line Office or Staff Office Questions

Line and Staff Offices may extend this template by inserting additional questions in this section.