1. DATA AND INFORMATION TYPES

A. Provide a contextual description of the data stream.

This dataset was provided by the Copper River Knowledge System (CRKS) CD version 1.1 and shows locations of radio-tracked Chinook and sockeye salmon from studies of fish distribution in the Copper River, Alaska. From 2000–2007, radiotelemetry methods were used by the Alaska Department of Fish and Game for the purposes of estimating spawning distribution, run timing, and inriver abundance of adult Chinook (Oncorhynchus tshawytscha) and sockeye (Oncorhynchus nerka) salmon stocks in the Copper River, Alaska. in the Copper River, Alaska. Salmon were captured in fish wheels in the lower Copper River and fitted with radio transmitters. Radio-tagged fish were tracked to upriver destinations using a combination of ground-based receiving stations and aerial tracking techniques. These data show the locations of radio-tracked Chinook and sockeye salmon over the course of the study.

Website URL:
http://portal.aoos.org/#module-metadata/5d0c1963-75f5-408d-87e3-9db4de8f6e2b/ee8bdab4-ea24-11e0-a6d7-0019b9dae22b

B. How many station locations are there for this data stream?

N/A

C. What are the specific parameters of the data.

The parameters include the date, time, and the locations of radio-tracked Chinook and sockeye salmon from studies of fish movement and distribution in the Copper River, Alaska

D. Provide information about the sampling platform or instrumentation.

The sampling platforms are both fixed (ground-based) and mobile (aerial) radio receivers.

2. DATA PATHWAY

A. Is a data sharing agreement required?

Data are available publically. The information presented in this and accompanying CD-ROMs was derived from actual GIS data and other associated information of public record. Ecotrust makes no warranties or representations whatsoever regarding the quality, content, completeness, adequacy, or accuracy of the data and information included, and have not field verified the data or analyses. No conclusions are implied by any of the information in these CD-ROMs. With proper field verification and broader expert discussion the data included here can be applied as a useful analytical and decision support tool.

While all data have certain spatial and thematic accuracy limitations, major suspected data errors should be brought directly to the attention of the creator of the data layer.

Your assistance in identifying additional data and/or correcting data errors would be gratefully appreciated. Please see the feedback page.

Ecotrust shall not be liable for any activity involving the CD-ROM or the information and software contained with respect to the following:

Lost profits, lost savings or any other consequential damages. The fitness of the data or product for a particular purpose. The installation of the product, its use or the results obtained.

B. In which format(s) were data received by AOOS?

Data were received from the originator using the Copper River Knowledge System CD version 1.1.

C. How can the information be accessed?

The data are available through the AOOS data portal, where it can be downloaded or explored through interactive visualizations. Specifically the data are available from three unique access points:

- Web Mapping Service (WMS)
- Web Feature Service (WFS)
- File Downloads (PNG, Shapefile, CSV)

D. What file formats will be used for sharing data, if different from original?

Data are shared as CSV, shapefile, and PNG files. Data are also available for exploration in the AOOS portals via interactive, graphical visualizations.

E. Describe how the data are ingested(e.g. the flow of data from source to AOOS data portals) and any transformations or modifications made to share data in the AOOS data portal.

Data are downloaded from source to the AOOS data management system. The locations of radio-tracked salmon over the course of the study are plotted on the map using the coordinates provided in the original data.

Data are available in the AOOS portals through the access points and via graphic display. Graphic displays are generated through internal data requests from the sensor service in JSON format. Program code handles the connection of data from the server to graphic display in the portal. Graphic displays are point locations of radio tagged salmon detections.

Data files may be downloaded by the user from the AOOS data portal. A user request for CSV file request pulls the data from the server cache.

F. What metadata or contextual information is provided with the data?

Data are shared in the AOOS portals with descriptive narratives describing the data and linking back to the originator's site.

G. Are there ethical restrictions to data sharing?
No

a. **If so, how will these be resolved?**
N/A

H. Who holds intellectual property rights (IPR) to the data?
Ecotrust

I. Describe any effect of IPR on data access.
None

3. Data Source and Quality Control

A. Indicate the data source type (i.e. Federal, Non-Federal, University, State Agency, Local Municipality, Military Establishment (branch), private industry, NGO, non-Profit, Citizen Science, Private individual)
Non-governmental organization

a. If Federal data source, were changes applied to the data?
N/A

b. If Yes, describe any changes to the data that require documentation?
N/A

B. Indicate the data reporting type (e.g. real-time, historical).
Historical

C. If real-time, list the QARTOD procedures that are currently applied.
Not required

D. If real-time, list the QARTOD procedures that are planned for implementation.
N/A

E. What is the status of the reported data? (e.g. raw, some QC, incomplete, delayed mode processed but not QC'd)
N/A

F. Describe the data control procedures that were applied by the originator.
Documentation of methods are available via online documents:
http://www.sf.adfg.state.ak.us/fedaidpdfs/fds05-50.pdf
http://www.arlis.org/docs/vol1/105858342.pdf

Contact the data provider for availability of further QC information.

a. **Provide a link to any documented procedures.**
N/A

G. Describe the data control procedures that were applied by AOOS.
No applied AOOS QC. This is a synthesis product made from existing data sources.

a. **Provide a link to any documented procedures.**
N/A

H. List the procedures taken for data that could not be QC'd as directed.
N/A

4. Stewardship and Preservation Policies

A. Who is responsible for long-term data archiving?
Data are aggregated for visualization and exploration with other layers in the AOOS data portal. AOOS stores the real-time and historical data internally using the AOOS data servers.

AOOS will facilitate data archival with NCEI. NCEI has expressed interest in these data, and may accept them through the Send2NCEI application.

B. Which long-term data storage facility will be used for preservation?
NCEI

C. Describe any transformation necessary for data preservation.
N/A

D. List the metadata or other documentation that will be archived with the data.
N/A