

## 1. DATA AND INFORMATION TYPES

### A. Provide a contextual description of the data stream.

These datasets were developed by Defenders of Wildlife for inclusion in its Bering Strait Response Teaching Tool. The spatial information herein came from a variety of sources, including the ADEC website, geographic response strategies issued by the State of Alaska, annual reports detailing past spills, and the published locations of local response equipment containers, towing systems, and places of refuge. The data represent Defenders' best estimate of the spatial information used by Alaska DEC and others for spill response.

Website URL:

<http://portal.aos.org/#module-metadata/7a9d740e-6dbe-4368-8335-50e2bc49d807/d6c9adc6-83e3-4357-a3f2-03d109cb05b3>

### 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 locations of emergency towing systems, the locations of local response equipment containers, geographic response strategies tied to regions, potential places of refuge for ships, subarea contingency plans, and a layer showing the ten largest oil spills by year (2007-2014).

### D. Provide information about the sampling platform or instrumentation.

N/A

## 2. DATA PATHWAY

### A. Is a data sharing agreement required?

Data are available publically through webpages and reports.

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

Data were received as shapefiles and PDF files from the originator.

### 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 and Shapefiles. 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 files were provided to AOOS by Defenders of Wildlife, who aggregated them from original files, webpages and reports. Data were imported to PostgreSQL, visualized with custom JSON REST service (JAVA). The original shapefiles were re-projected to EPSG:3572 (Alaska-based polar) for visualization in the AOOS data portals. PDF tables from yearly reports were transcribed into yearly PostgreSQL tables.

**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?**

Alaska Department of Environmental Conservation (ADEC)

**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)**

State agency

**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)**

QC by originator. The data represent Defenders' best estimate of the spatial information used by Alaska DEC and others for spill response.

**F. Describe the data control procedures that were applied by the originator.**

Contact the data provider for availability of 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. This data stream is not of interest to NCEI at this time.

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

N/A

**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