# Member Node Description: Gulf of Alaska Data Portal

Version 1.0 6/14/2012 MB Jones

## General

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| Name of resource: | Gulf of Alaska Data Portal |
| URL(s): | http://data.aoos.org/maps/search/gulf-of-alaska.php |
| Institutional affiliation(s): | Gulf Watch Alaska, Alaska Ocean Observing System, Exxon Valdez Oil Spill Trustee Council, National Center for Ecological Analysis and Synthesis |
| Primary geographic location: | Alaska, USA |
| Project Director & contact info: | Molly McCammon <mccammon@aoos.org> |
| Technical Contact & contact info: | Matthew Jones <jones@nceas.ucsb.edu> |
| Age of resource: | 1 yr., covering 25+ years of data |
| Funding support: | Exxon Valdez Oil Spill Trustees Council (EVOSTC), National Oceanographic and Atmospheric Administration (NOAA) |
| Proposed Unique Identifier: | urn:node:GOA |

## Content

### Content description/collection policy (1 paragraph, domain and spatial/temporal coverage, uniqueness of content, exclusions, as applicable):

The Gulf of Alaska Data Portal archives environmental observations arising from monitoring and experimentation in the Gulf of Alaska and related regions, and particularly in oil-impacted regions of Prince William Sound and locations on the southern coast of Alaska. Many data sets are time series data spanning multiple decades and continuing through the present. The Gulf of Alaska Data Portal provides long-term, consistent, scientific data that is critical to allow us to detect and understand ecosystem changes and shifts that directly or indirectly (e.g. through food web relationships) influence the species and ecosystem services of the Gulf of Alaska.

### Types of data (complex objects, text, image, video, audio, other):

Relational data tables, spatial raster, and spatial vector data, audio, video, matrix, array, other.

### Data and metadata availability (rights, licensing, restrictions):

Data and metadata are publicly available and follow the Exxon Valdez Oil Spill Trustees Council data policy.

### Option for embargo (yes/no, duration):

no

### Size of holdings (number and size of datasets, mean and median granules (files) per dataset):

Greater than 100 data packages, ranging from small single-instance studies to time series and spatial series with 100s of granules spanning decades.

### Please describe recent usage statistics, if known, including information on annual data product downloads, annual number of users, annual number of data products used in publications:

N/A

## User interactions

### How does a user contribute data? (what can be deposited, how are data prepared, are specific software required, documentation/support available)

Users who collaborate with AOOS and/or are funded by the EVOSTC to work on EVOS-related monitoring contribute data using tools such as Morpho and the AOOS Ocean Workspace.

### How does a user acquire / access data?

Via download through the interactive web portal at http://data.aoos.org/maps/search/gulf-of-alaska.php, or via programattic access via the API at https://goa.nceas.ucsb.edu/

### What user support services are available (both for depositing and accessing/using data)?

Metadata and data specialists are available to help with data cleansing, quality assurance, and documentation.

### How does the resource curate data at the time of deposit?

Data are deposited in a Metacat server and in the AOOS Ocean Workspace after thorough QA review and documentation by investigators with the assistance of metadata specialists.

## Technical characteristics and policies

### Software platform description, incl. data search and access API(s):

Metacat version 2, using the DataONE REST API.

Service reliability (including recent uptime statistics, frequency of hardware refresh, if known):

>99% uptime over the last year

Preservation reliability (including replication/backup, integrity checks, format migration, disaster planning):

Institutionally diverse archives at both NCEAS and AOOS, as well as plans to replicate through the DataONE network.

User authentication technology (incl. level of create/modify/delete access by users):   
**InCommon via the DataONE network.**

### Data identifier system and data citation policy, if available:

DOIs, UUIDs, and other.

### Metadata standards (**including** provenance):

Ecological Metadata Language, Biological Data Profile, and ISO 19115 all can be used.

## Capacity/services to DataONE

### At what functional tier will you initially be operating? (see http://bit.ly/MNFactSheet for definitions)

**Tier 1: Read only, public content**

**Tier 2: Read only with access control**

**Tier 3: Read/write using client tools**

**Tier 4: Able to operate as a replication target**

### If you can host data from other member nodes, what storage capacity is available?

### Can you provide computing capacity to the broader network? If so, please describe.

No.

## Other Services

### What other services or resources (such as expertise, software development capacity, educational/training resources, or software tools) can be provided of benefit to the broader network?