

# Ocean Networks Canada

Metadata for UnderwaterListeningStation-Secondary\_JASCOHydrophone1\_Hydrophone

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## Identification Information

### Citation

#### *Citation Information*

*Origin:* Ocean Networks Canada Data Archive

*Publication Date:* 2018-Feb-03 UTC

*Publication Time:* 06:54:04 UTC

*Title:* UnderwaterListeningStation-Secondary\_JASCOHydrophone1\_Hydrophone

*Geospatial Data Presentation Form:* Audio Data - MP3

*Publication Information:* [See Data Policy](#) at oceannetworks.ca

*Online Link:* <http://www.oceannetworks.ca/>

*Other Citation:* [See How to Cite Us](#) at oceannetworks.ca

### Description

*Abstract:* [Ocean Networks Canada](#) operates numerous ocean observing systems to support marine research, to monitor ocean properties, and assess marine environmental conditions. Data flow from various infrastructure facilities including submarine cabled observatories, land-based marine monitoring stations, and various mobile platforms to a central hierarchical data archive. Access to the data is provided over the Internet using a variety of tools ranging from web site interfaces to low-level automatic web services.

*Purpose:* To support scientific study of the ocean through web-accessible real-time measurements and high temporal resolution long-term observations.

#### *Supplemental Information:*

*DMAS Search ID:* 5973476

*Search Type:* Multi-Device/Sensor Search

*Data Search Dates:* 2016-10-08 00:00:00 to 2016-10-09 00:00:00 UTC

### Time Period

#### *Time Information*

##### *Date Range of data*

*Beginning Date:* 2016-10-07 UTC

*Beginning Time:* 23:55:05 UTC

*Ending Date:* 2016-10-08 UTC

*Ending Time:* 00:50:05 UTC

### Status

*Maintenance and Update Frequency:* Ocean Networks Canada data are updated in near real-time. See data annotations ([Device 1](#)) for dates and times of data interruptions.

*Progress:* Ocean Networks Canada data will be continually available to the user in near real-time. See data annotations ([Device 1](#)) for dates and times of data interruptions.

### Spatial Domain

#### *Bounding Coordinates*

*Bounding Coordinate West:* -123°19.0464'

*Bounding Coordinate East:* -123°19.0464'

*Bounding Coordinate North:* 49°02.5587'

*Bounding Coordinate South:* 49°02.5587'

### Keywords

**Theme**

*Theme Keyword Thesaurus:* ISO 19115 Topic Category

*Theme Keyword:* Acoustic

**Place**

*Place Keyword Thesaurus:*

*Place Keyword: Station:* Location 1 = Ocean Networks Canada -> Pacific -> Salish Sea -> Strait of Georgia -> East -> Underwater Listening Station - Secondary -> JASCO Hydrophone 1

**Stratum**

*Stratum Keyword Thesaurus:*

*Stratum Keyword:* Underwater Listening Station - Secondary is situated at depth: Site 1 = 168m

**Temporal**

*Temporal Keyword Thesaurus:*

*Temporal Keyword:* Ocean Networks Canada started collecting data in February 2006.

Access Constraints: [See Data Policy](#) at [oceannetworks.ca](http://oceannetworks.ca)

Use Constraints: [See Data Policy](#) at [oceannetworks.ca](http://oceannetworks.ca)

**Point of Contact****Contact Information****Contact Address**

*Address Type:* Physical Address

*Address:* University of Victoria Technology Enterprise Facility 2300 McKenzie Avenue

*City:* Victoria

*Province:* British Columbia

*Postal:* V8P 5C2

*Country:* Canada

*Address Type:* Mailing Address

*Address:* University of Victoria, PO Box 1700, STN CSC

*City:* Victoria

*Province:* British Columbia

*Postal:* V8W 2Y2

*Country:* Canada

*Phone:* 250-472-5400

*Fax:* 250-472-5370

*Contact Email:* [info@oceannetworks.ca](mailto:info@oceannetworks.ca)

*Hours:* Mon-Fri 830am-430pm PDT (Closed Holidays)

*Instructions:* Please include: Your name, Contact information, and DMAS Search ID: 5973476

**Data Set Credit**

You must acknowledge the source: Ocean Networks Canada. See [how to cite us](#) and [Data Policy](#) at [oceannetworks.ca](http://oceannetworks.ca)

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**Data Quality Information**

Data quality information if available is listed as data annotations online at [dmas.uvic.ca](http://dmas.uvic.ca). ([Device 1](#)). Ocean Networks Canada is working to expand the coverage of our advanced Quality Analysis/Quality Control (QAQC) of data. QAQC flags appear in most data products.

**Attribute Accuracy**

*Attribute Accuracy Report:* Devices are routinely calibrated and instruments measure within the manufacturer's specifications unless otherwise noted.

**Logical Consistency Report**

*Overall quality flag assigned to each data sample (Ocean Data View (ODV) spreadsheet txt files have a different numbering scheme):*

QAQC Flag Value = 0: no quality control applied to data

QAQC Flag Value = 1: data quality controlled and deemed good

QAQC Flag Value = 2: data quality controlled and probably good

QAQC Flag Value = 3: data quality controlled and probably bad

QAQC Flag Value = 4: data quality controlled and deemed bad

QAQC Flag Value = 6: insufficient amount of valid data for reliable down-sampling (less than 70% of expected)

QAQC Flag Value = 7: averaged value (good data only)  
QAQC Flag Value = 8: interpolated value (good data only)  
QAQC Flag Value = 9: missing value: NaN

## Completeness Report

Report on the completeness of the raw data for date range from 2016-10-08 00:00:00 to 2016-10-09 00:00:00

### Data Availability Statistics

No data availability statistics can be provided at this time.

## Positional Accuracy

### Horizontal Accuracy

*Horizontal Positional Accuracy Value:* 1% of water depth

*Horizontal Positional Accuracy Explanation:* Accuracy is assessed from GPS and acoustic information from ROPOS, Canadian Scientific Submersible Facility.

### Vertical Accuracy

*Vertical Positional Accuracy Value:* 1 meter

*Vertical Positional Accuracy Explanation:* Accuracy is assessed from pressure and acoustic information from ROPOS, Canadian Scientific Submersible Facility.

## Lineage

### Source Information:

*Device 1 :* JASCO M36 Hydrophone 2402 (DeviceID: 23631)

### Source Citation:

Device 1 Details : <http://dmas.uvic.ca/DeviceListing?DeviceId=23631>

Instrument 1 Details : <http://wiki.oceannetworks.ca/display/instruments/23631>

*Source Type:* Online

*Process Step:* <http://wiki.oceannetworks.ca/display/DP/7>

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## Spatial Data Organization

*Indirect Spatial Reference:* Location 1 = Ocean Networks Canada -> Pacific -> Salish Sea -> Strait of Georgia -> East -> Underwater Listening Station - Secondary -> JASCO Hydrophone 1

*Direct Spatial Reference:* Point

## Point and Vector Object Information

### SDTS Point and Vector Object Type

*SDTS Point and Vector Object Type:* Entity Point

*Point and Vector Object Count:* 1

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## Spatial Reference Information

### Horizontal Coordinate System Definition

#### Geographic

*Geographic Coordinate Units:* Degrees and decimal minutes

	<i>Latitude</i>	<i>Longitude</i>
Site 1 =	49°02.5587'	-123°19.0464'

### Vertical Coordinate System Definition

#### Depth System Definition

*Depth Datum Name:* Mean sea level

*Depth Distance Units:* Meters

*Depth:*

Site 1 = 168.0 meters

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## Entity and Attribute Information

### Detailed Description

#### Entity Type

*Entity Type Label:* Acoustic

*Entity Type Definition:* Water properties for this location contain data from 1 device(s) at 1 site(s). See overview for a description of site(s), device(s), sample interval(s) and sample rate(s).

#### **Attribute**

### **Overview Description**

#### *Overview:*

#### *Station names, Sites names, dates and times: (all times in UTC)*

Station: Underwater Listening Station - Secondary

Sub-Station: JASCO Hydrophone 1

Site 1 = SoGEast\_JascoAMARArray\_ULS1\_2015-09: From 2016-10-08 00:00:00 To 2016-10-08 01:59:36

#### *Device names, dates and times: (all times in UTC)*

Device 1 = JASCO M36 Hydrophone 2402: From 2016-10-08 00:00:00 To 2016-10-09 00:00:00

#### *Sensor names, dates and times: (all times in UTC)*

#### *Sample Rates, dates and times: (all times in UTC)*

#### *Additional Site Information:*

Site 1 = SoGEast\_JascoAMARArray\_ULS1\_2015-09: No additional information for this site

#### *Additional Device Information:*

Device 1 = JASCO M36 Hydrophone 2402: No additional information for this device

#### *Additional Sensor Information:*

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### **Distribution Information**

*Distribution Liability:* [See Data Policy](#)

### **Standard Order Process**

*Non-Digital Form:* Data packages may be assembled upon request

*Digital Form:* Accessible online at <http://www.oceannetworks.ca/>

*Fees:* Fees may apply to for-profit usage of data. Contact Ocean Networks Canada for more information.

*Custom Order Process:* Contact Ocean Networks Canada, [info@oceannetworks.ca](mailto:info@oceannetworks.ca), for custom orders

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### **Metadata Information**

*Metadata Date:* 2018-02-03

*Metadata Review Date:* 2012-04-18

#### **Contact Information**

*Contact Organization:* Ocean Networks Canada

*Phone:* 250-472-5400

*Fax:* 250-472-5370

*Contact Email:* [info@oceannetworks.ca](mailto:info@oceannetworks.ca)

*Metadata Standard Name:* [FGDC Content Standards for Digital Geospatial Metadata](#)

*Metadata Standard Version:* [FGDC-STD-001-1998](#)