PAM Deployments

Type File Geodatabase Feature Class

Tags RWSC, PAM

Summary

This dataset displays deployment details of known retrieved, current, and proposed Passive Acoustic Monitoring (PAM) device deployments.

Description

The PAM deployment data were collected via publicly available information as well as individual submissions from practitioners to the RWSC Marine Mammal Subcommittee. To standardize the collection of these data, a template was created and can be requested via email to Deborah.brill@duke.edu. The purpose of this dataset is to assist in planning and coordination of future deployments in an effective and efficient manner and is made public for that reason.

Credits

RWSC

Use limitations

These data will be used by RWSC and its expert Subcommittees, partners, and other participants to implement the Science Plan, including to understand the extent of ongoing and planned data collection activities, and to coordinate and plan future data collection and research activities with respect to offshore wind. The data will be displayed via online mapping platforms.

Extent

West -81.166231 East -65.987600
North 44.782380 South 28.479623

Scale Range

Maximum (zoomed in) 1:5,000
Minimum (zoomed out) 1:150,000,000

Topics and Keywords ►

Themes or categories of the resource Oceans

Citation ►

Title PAM Deployments
Creation date 2024-03-29 00:00:00
Publication date 2024-05-28 00:00:00

Presentation formats ⇔ digital map

Citation Contacts ►

Responsible party - originator
Individual's name Debbie Brill
Organization's name RWSC
Contact's position Marine Mammal Subcommittee Coordinator

Resource Details ►

Dataset languages ⇔ English (UNITED STATES)
Dataset character set utf8 - 8 bit UCS Transfer Format

Status on-going
Spatial representation type ⇔ vector

Processing environment ⇔ Microsoft Windows 10 Version 10.0 (Build 22631) ; Esri ArcGIS 13.2.2.49743

Credits
RWSC

ArcGIS item properties
Name ⇔ PAM_Deployments
Location ⇔ file://\\DESKTOP-CUHUDPJ\D$\Contracting\RWSC\GIS_Work\PAM\PAM_Data\PAM_Data.gdb
Access protocol ⇔ Local Area Network

Extents ►

Extent
Description
Current temporal description listed as of 5/24/2024

Geographic extent
Bounding rectangle
Extent type
Extent used for searching
West longitude -81.166231
East longitude -65.987600
North latitude 44.782380
South latitude 28.479623
Extent contains the resource No

Temporal extent
Beginning date 2014-06-11 00:00:00
Ending date 2028-04-19 00:00:00

Extent in the item's coordinate system
westBL ⇔ -81.166231
eastBL ⇔ -65.987600
southBL ⇔ 28.479623
northBL ⇔ 44.782380
exTypeCode ⇔ Yes

Resource Points of Contact ►

Point of contact - originator
Individual's name Debbie Brill
Organization's name RWSC
Contact's position Marine Mammal Subcommittee Coordinator

Resource Maintenance ►

Resource maintenance
Update frequency as needed

Resource Constraints ►

Constraints
Limitations of use
These data will be used by RWSC and its expert Subcommittees, partners, and other participants to implement the Science Plan, including to understand the extent of ongoing and planned data collection activities, and to coordinate and plan future data collection and research activities with respect to offshore wind. The data will be displayed via online mapping platforms.

Spatial Reference ►

ArcGIS coordinate system
Type ⇔ Geographic
Geographic coordinate reference ⇔ GCS_WGS_1984
Coordinate reference details ⇔
GeographicCoordinateSystem
WKID 4326
XOrigin -400
YOrigin -400
XYScale 999999999.99999988
ZOrigin -100000
ZScale 10000
MOrigin -100000
MScale 10000
XYTolerance 8.983152841195215e-09
ZTolerance 0.001
MTolerance 0.001
HighPrecision true
LeftLongitude -180
LatestWKID 4326
WKT
GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137.0,298.257223563]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433],AUTHORIT

Reference system identifier
Value ⇔ 4326
Codespace ⇔ EPSG
Version ⇔ 6.2(3.0.1)

Spatial Data Properties ►

Vector ►
Level of topology for this dataset ⇔ geometry only

Geometric objects
Feature class name PAM_Deployments
Object type ⇔ point
Object count ⇔ 291

ArcGIS Feature Class Properties ►
Feature class name PAM_Deployments
Feature type ⇔ Simple
Geometry type ⇔ Point
Has topology ⇔ FALSE
Feature count ⇔ 291
Spatial index ⇔ TRUE
Linear referencing ⇔ FALSE

Data Quality ►

Data quality report - Conceptual consistency ►

Data quality measure reference

Measure description

X,Y points depicting latitude and longitude coordinates of passive acoustic monitoring device locations

Data quality report - Completeness omission ►

Data quality measure reference

Measure description

This dataset reflects the most recent present, past, and future known locations of PAM devices, and is updated as needed.

Lineage ►

Process step ►

When the process occurred 2024-03-29 00:00:00

Description

PAM devices data and locations are submitted to RWSC via a template

Process contact - originator

Individual's name Debbie Brill

Organization's name RWSC

Contact's position Marine Mammal Subcommittee Coordinator

Process step ►

When the process occurred 2024-03-29 00:00:00

Description

Submission is QA/QC-ed by the marine mammal subcommittee coordinator

Process contact - originator

Individual's name Debbie Brill

Organization's name RWSC

Contact's position Marine Mammal Subcommittee Coordinator

Process step ►

When the process occurred 2024-03-29 00:00:00

Description

If the associated project is already in the RWSC project data base the link is added into the corresponding field

Process contact - originator

Individual's name Debbie Brill

Organization's name RWSC

Contact's position Marine Mammal Subcommittee Coordinator

Process step ►

When the process occurred 2024-03-29 00:00:00

Description

A “Label” is created to assist in symbology and labeling standardization

Process contact - originator

Individual's name Debbie Brill

Organization's name RWSC

Contact's position Marine Mammal Subcommittee Coordinator

Process step ►

When the process occurred 2024-03-29 00:00:00

Description

Any data updates overwrite the previous dataset

Process contact - publisher

Individual's name Samantha Coccia-Schillo

Organization's name RWSC

Contact's position GIS Project Manager

Process step ►

When the process occurred 2024-03-29 00:00:00

Description

Dataset is published to the RWSC Data Viewer

Process contact - publisher

Individual's name Samantha Coccia-Schillo

Organization's name RWSC

Contact's position GIS Project Manager

Source data ►

Description
The majority of the PAM deployments contained in the dataset were submitted directly to the RWSC by the PAM practitioner. A template was created to standardize this process and can be requested via email to Deborah.brill@duke.edu .

Distribution ►

Distribution format
Name ⇔ File Geodatabase Feature Class

Fields ►

Details for object PAM_Deployments ►
Type ⇔ Feature Class
Row count ⇔ 291
Definition
Fields in the PAM Deployment dataset

Definition source
RWSC

Field OBJECTID ►
Alias ⇔ OBJECTID
Data type ⇔ OID
Width ⇔ 4
Precision ⇔ 0
Scale ⇔ 0

Field description ⇔
Internal feature number.

Description source ⇔
Esri

Description of values ⇔
Sequential unique whole numbers that are automatically generated.

Field Shape ►
Alias ⇔ Shape
Data type ⇔ Geometry
Width ⇔ 0
Precision ⇔ 0
Scale ⇔ 0

Field description ⇔
Feature geometry.

Description source ⇔
Esri

Description of values ⇔
Coordinates defining the features.

Field OPERATOR ►
Data type String
Width 8000
Alias ⇔ OPERATOR
Precision ⇔ 0
Scale ⇔ 0

Field description
The primary affiliation for the operator of the device - this could be the funder or the group/individual responsible for deployment (if those are different entities)

Description source
RWSC

Description of values
Text

Field POC_EMAIL ►
Alias ⇔ POC_EMAIL
Data type ⇔ String
Width ⇔ 8000
Precision ⇔ 0
Scale ⇔ 0

Field PROJECT_NAME ►
Alias ⇔ PROJECT_NAME

Data type ⇔ String
Width ⇔ 8000
Precision ⇔ 0
Scale ⇔ 0

Field SITE ►
Data type String
Width 8000
Alias ⇔ SITE
Precision ⇔ 0
Scale ⇔ 0

Field description
The site or station ID. For example, a line of three recorders off Cape Hatteras could have the following individual site IDs: H1, H2, and H3.

Description source
RWSC

Description of values
Text

Field LATITUDE ►
Data type Double
Width 00
Alias ⇔ LATITUDE
Precision ⇔ 0
Scale ⇔ 0

Field description
Latitude of recorder, in decimal degrees (DD). NAD83, 1986 (as per BOEM guidelines).

Description source
RWSC

List of values
Value Numeric
Description Numeric
Enumerated domain value definition source NA

Field LONGITUDE ►
Data type Double
Width 00
Alias ⇔ LONGITUDE
Precision ⇔ 0
Scale ⇔ 0

Field description
Longitude of recorder, in decimal degrees (DD). NAD83, 1986 (as per BOEM guidelines).

Description source
RWSC

List of values
Value Numeric
Description Numeric
Enumerated domain value definition source NA

Field INSTRUMENT ►
Data type String
Width 8000
Alias ⇔ INSTRUMENT
Precision ⇔ 0
Scale ⇔ 0

Field description
Recording instrument type if available, please select one from the following list (or let us know if there's a type that should be added): SoundTrap, DASAR, Omnidirectional, AMAR, MARU, HARP, HTI, APC, RT Moored Surface Buoy, Rockhopper, Array, Sentinel, Lander, VR2, VR2AR

Description source
RWSC

Coded values
Name of codelist INSTRUMENT
Source RWSC

Field CO_DEPLOYMENT ►
Alias ⇔ CO_DEPLOYMENT
Data type ⇔ String

Width ⇔ 8000
Precision ⇔ 0
Scale ⇔ 0

Field OTHER_INSTRUMENTS ►
Alias ⇔ OTHER_INSTRUMENTS
Data type ⇔ String
Width ⇔ 8000
Precision ⇔ 0
Scale ⇔ 0

Field STATUS ►
Data type String
Width 8000
Alias ⇔ STATUS
Precision ⇔ 0
Scale ⇔ 0

Field description
Current status of the deployment as of submission date. Please select from the following list: Retrieved, Deployed, Proposed

Description source
RWSC

Coded values
Name of codelist STATUS
Source RWSC

Field DEPLOY_START_DATE ►
Alias ⇔ DEPLOY_START_DATE
Data type ⇔ DateOnly
Width ⇔ 8
Precision ⇔ 0
Scale ⇔ 0

Field DEPLOY_END_DATE ►
Alias ⇔ DEPLOY_END_DATE
Data type ⇔ DateOnly
Width ⇔ 8
Precision ⇔ 0
Scale ⇔ 0

Field DEPLOY_END_DATE_MAP ►
Alias ⇔ DEPLOY_END_DATE_MAP
Data type ⇔ DateOnly
Width ⇔ 8
Precision ⇔ 0
Scale ⇔ 0

Field DATA_REPOSITORY ►
Alias ⇔ DATA_REPOSITORY
Data type ⇔ String
Width ⇔ 8000
Precision ⇔ 0
Scale ⇔ 0

Field PROJECT_IN_DATABASE ►
Alias ⇔ PROJECT_IN_DATABASE
Data type ⇔ String
Width ⇔ 8000
Precision ⇔ 0
Scale ⇔ 0

Field DATE_SUBMITTED ►
Alias ⇔ DATE_SUBMITTED
Data type ⇔ DateOnly
Width ⇔ 8

Precision ⇔ 0
Scale ⇔ 0

Field PROJECT_LINK ►
Alias ⇔ PROJECT_LINK
Data type ⇔ String
Width ⇔ 8000
Precision ⇔ 0
Scale ⇔ 0

Field DATE_ADDED ►
Alias ⇔ DATE_ADDED
Data type ⇔ DateOnly
Width ⇔ 8
Precision ⇔ 0
Scale ⇔ 0

Field LABEL ►
Data type String
Width 8000
Alias ⇔ LABEL
Precision ⇔ 0
Scale ⇔ 0

Field description
Label used for map symbology

Description source
RWSC

Description of values
Text

Field COMMENTS ►
Data type String
Width 8000
Alias ⇔ COMMENTS
Precision ⇔ 0
Scale ⇔ 0

Field description
Any additional comments submitters would like to share

Description source
RWSC

Description of values
Text

Metadata Details ►

Metadata language ⇔ English (UNITED STATES)
Metadata character set utf8 - 8 bit UCS Transfer Format

Scope of the data described by the metadata dataset
Scope name ⇔ dataset

Last update ⇔ 2024-06-03

ArcGIS metadata properties
Metadata format ArcGIS 1.0
Standard or profile used to edit metadata FGDC

Created in ArcGIS for the item 2024-05-06 11:15:39
Last modified in ArcGIS for the item 2024-06-03 10:51:07

Automatic updates
Have been performed Yes
Last update 2024-06-03 10:51:07

Metadata Contacts ►

Metadata contact - originator
Individual's name Debbie Brill
Organization's name RWSC
Contact's position Marine Mammal Subcommittee Coordinator

Contact information ►
Phone
Voice NA
Address
Type postal
City NA
Administrative area NA
Postal code NA
e-mail address Deborah.brill@duke.edu

Metadata Maintenance ►

Maintenance
Update frequency as needed