PAM Deployments

Type Enterprise 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

This dataset displays the locations and deployment details of retrieved, current, and proposed Passive Acoustic Monitoring (PAM) devices that have been shared with the RWSC Marine Mammal Subcommittee. The purpose of this dataset is to assist in planning and coordination of future deployments by multiple entities in U.S. Atlantic waters with respect to regional offshore wind studies and monitoring. The Subcommittee is making this information available to the public to increase coordination and reduce potential conflicts between sensor deployments and other ocean users (including other researchers).

Click each deployment location on the map to view information about the entity responsible for deploying the sensor, planned deployment start and end dates (subject to change), where data will be stored, a point of contact, and other details. Any questions or additional information needed regarding a particular deployment should be directed to the specified point of contact listed.

To contribute your sensor location to this map, contact RWSC Marine Mammal Subcommittee Coordinator, Debbie Brill (deborah.brill@duke.edu).

Credits

RWSC Marine Mammal Subcommittee, Debbie Brill Deborah.brill@duke.edu

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
Revision date 2024-09-23 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 Marine Mammal Subcommittee, Debbie Brill Deborah.brill@duke.edu

ArcGIS item properties
Name ⇔ rpt.rpt.PAM_Deployments
Location ⇔ Server=rwsc-db-pg15.env.duke.edu; Service=sde:postgresql:rwsc-db-pg15.env.duke.edu; Database=rpt; User=rpt; Version=sde.DEFAULT
Access protocol ⇔ ArcSDE Connection

Extents ►

Extent
Description

Current temporal description listed as of 9/23/2024

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 2028-07-16 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 rpt.rpt.PAM_Deployments
Object type ⇔ point

Object count ⇔0

ArcGIS Feature Class Properties ►
Feature class name rpt.rpt.PAM_Deployments
Feature type ⇔Simple
Geometry type ⇔Point
Has topology ⇔FALSE
Feature count ⇔0
Spatial index ⇔TRUE
Linear referencing ⇔FALSE

Data Quality ►

Data quality report - Conceptual consistency ►
Data quality measure reference
Measure description
The data are represented as coordinate points with longitude and latitude aspects. They constitute both realized deployment locations and proposed locations. Device locations, deployment start/end dates and other metadata are subject to change. Reach out to the listed deployment POC for most up-to-date information.

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. If an end date was not provided, an arbitrary end date was assigned to allow for time-enabled mapping feature to operate.

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 ⇔ Enterprise Geodatabase Feature Class

Fields ►

Details for object rpt.rpt.PAM_Deployments ►
Type ⇔ Feature Class
Row count ⇔ 0
Definition
Fields in the PAM Deployment dataset

Definition source
RWSC

Field OBJECTID ►
Alias ⇔ OBJECTID
Data type ⇔ OID
Width ⇔ 4
Precision ⇔ 10
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 ⇔ 8
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 description
Email for the primary point of contact

Description source
RWSC

Description of values
Text

Field PROJECT_NAME ►
Alias ⇔ PROJECT NAME
Data type ⇔ String
Width ⇔ 8000
Precision ⇔ 0
Scale ⇔ 0

Field description
Name of the project

Description source
RWSC

Description of values
Text

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 ⇔ 38
Scale ⇔ 8

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 ⇔ 38
Scale ⇔ 8

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 description
Are there any other acoustic receivers co-deployed with the instrument? For example, VEMCO, acoustic telemetry or active acoustics. Select YES or NO.

Description source
RWSC

Coded values
Name of codelist Yes/No
Source RWSC

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

Field description
Co-deployment instrument types if available, please list as semicolon separated items

Description source
RWSC

Description of values
Text

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 ⇔ Date
Width ⇔ 8
Precision ⇔ 0
Scale ⇔ 0

Field description
The start date in the MM/DD/YYYY format for the start of usable data for that deployment (i.e. the recorder is on and in the water).

Description source
RWSC

List of values
Value Date
Description Date
Enumerated domain value definition source RWSC

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

Field description
The end date in the MM/DD/YYYY format for the end of usable data for that deployment (i.e. the recorder is off or out of the water).

Description source
RWSC

List of values
Value Date
Description Date
Enumerated domain value definition source RWSC

Field DEPLOY_END_DATE_MAP ►
Alias ⇔ DEPLOY END DATE
Data type ⇔ Date
Width ⇔ 8
Precision ⇔ 0
Scale ⇔ 0

Field description
The end date in the MM/DD/YYYY format for the end of usable data for that deployment formatted for time slider capabilities in the map.

Description source
RWSC

List of values
Value Date
Description Date
Enumerated domain value definition source RWSC

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

Field description
Will the data be sent out to a repository, and if so which one? Please list. (Example options: BOEM, NOAA-NCEI, Dryad)

Description source
RWSC

Description of values
Text

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

Field description
Is the project listed in the RWSC database? Select YES or NO. Please find the database here: https://database.rwsc.org If you need to add the project to the database you can do so using the "Submit new project" button. The purpose of this is so that we can link to the project entry as an attribute for users to easily find project details.

Description source
RWSC

Coded values
Name of codelist Yes/No
Source RWSC

Field DATE_SUBMITTED ►
Alias ⇔ DATE SUBMITTED
Data type ⇔ Date
Width ⇔ 8
Precision ⇔ 0
Scale ⇔ 0

Field description
The date the entries were filled in and sent back to RWSC

Description source
RWSC

List of values
Value date
Description date
Enumerated domain value definition source RWSC

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

Field description
URL address to the project in the RWSC Database

Description source
RWSC

Description of values
url address

Field DATE_ADDED ►
Alias ⇔ DATE ADDED
Data type ⇔ Date
Width ⇔ 8
Precision ⇔ 0
Scale ⇔ 0

Field description
Date Added to the RWSC database

Description source
RWSC

List of values
Value Date
Description Date
Enumerated domain value definition source RWSC

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 ⇔ 2024-09-23

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 2024-09-23 15:33:23

Automatic updates
Have been performed Yes
Last update 2024-05-31 16:49:24

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