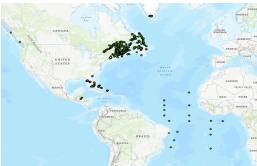# Ocean Tracking Network Acoustic Telemetry Receiver Stations

Type Enterprise Geodatabase Feature Class

Tags Acoustic Telemetry, OTN, Receivers, Stations, RWSC, Protected Fish

Summary

OTN collaborators are part of a global community of researchers that are developing a comprehensive examination of aquatic life and ocean conditions. This information is critical for decision makers developing sustainable management plans and policies in changing global environments. Registering your project with the Ocean Tracking Network (OTN) connects you and your research to a global community of telemetrists. Data will be cross-referenced, quality controlled, and made available to you in a wide range of formats for analysis and visualization within the OTN database. Upon joining the Network, users must sign a User Agreement, which outlines network practices and requirements of membership. https://oceantrackingnetwork.org/

Acoustic telemetry has revealed a great deal about species movement that informs fisheries management. In the U.S. this method is increasingly being used as a cost-effective way to gather data on species from rivers to oceans. Displaying receiver locations on a research planning map can benefit stakeholders from every sector and allow for the informed planning of asset placement that leverages the existing network coverage. A few benefits include: reducing the inadvertent expensive duplication of receiver coverage, conducting better science as more and better-placed receivers lead to higher potential statistical power and certainty in results, and providing more context for decision makers. While the Research Planning map is not designed to serve as a navigational safety tool, it can also increase awareness of receiver presence by other ocean users, which can reduce conflict and increase longevity of deployments. While acoustic Telemetry is a data collection method used for offshore wind research and monitoring, this method has been around for decades to study animal movement and behavior and is widely used for other purposes.

Description

This dataset displays acoustic telemetry receiver stations submitted to, and maintained, by the Ocean Tracking Network (OTN). These span multiple projects in multiple locations all over the world, though the network is headquartered in Nova Scotia, Canada. All data is public and stored in publicly accessible Geoservers. Data is pulled from the public facing Geoservers three times per year following the network's data pushes, and the layer contents are then updated to reflect the newest deployment information. Data is filtered to only include projects that have receivers deployed in the Northwest and Southwest Atlantic Ocean beginning on 01/01/2022, and only includes current projects.

Receiver stations are symbolized by color according to the status of the project at the time of the last update. The color of the receiver deployments will not adjust to the time slider and will always depict the current project status.

Receiver stations are plotted using the most recent deployment locations provided. The project/deployment start dates are also noted, and it can be assumed that receivers have been deployed, in some capacity, throughout the duration of the project. Please note that station deployments may change over the life of a project, and stations may go in and out of use. If you would like more specific information about a project's deployments, please reach out to the project personnel using the provided contact information.

Please Visit the OTN website for additional information about the network and their activities.

Credits

Ocean Tracking Network: Jon Pye, jpye@oceantrack.org

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	-130.519960	East	-2.690830
North	60.986890	South	-19.935500

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

Content type   ⇔ Downloadable Data
    Export to FGDC CSDGM XML format as Resource Description   No

Citation ▶

Title   Ocean Tracking Network Acoustic Telemetry Receiver Stations
Creation date   2025-03-03   00:00:00
Publication date   2025-04-04   00:00:00
Revision date   2025-10-24   00:00:00

Presentation formats   ⇔ digital map

Citation Contacts ▶

Responsible party - originator
    Individual's name   Jordan Katz
    Organization's name   RWSC
    Contact's position   Protected Fish Subcommittee Lead

    Contact information ▶
        Address
            Type   both
            Delivery point   NA
            City   NA
            Administrative area   NA

Postal code   NA
e-mail address   jordan.katz@noaa.gov

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 26200) ; Esri ArcGIS 13.5.3.57366

Credits
Ocean Tracking Network: Jon Pye, jpye@oceantrack.org

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

Extents ►

Extent
Description
Temporal Extent reflects the Last Deployed Date

Geographic extent
Bounding rectangle
Extent type
Extent used for searching
West longitude   -130.519960
East longitude   -2.690830
North latitude   60.986890
South latitude   -19.935500

Temporal extent
Beginning date   2000-01-01   00:00:00
Ending date   2025-06-10   00:00:00

Extent in the item's coordinate system
westBL   ⇔ -130.519960
eastBL   ⇔ -2.690830
southBL   ⇔ -19.935500
northBL   ⇔ 60.986890
exTypeCode   ⇔ Yes

Resource Points of Contact ►

Point of contact - originator
Individual's name   Jordan Katz
Organization's name   RWSC
Contact's position   Protected Fish Subcommittee Lead

Contact information ►
Address
Type   both
Delivery point   NA
City   NA
Administrative area   NA
Postal code   NA
e-mail address   jordan.katz@noaa.gov

Resource Maintenance ►

Resource maintenance
Update frequency   as needed

Other maintenance requirements
The OTN undergoes a data push three times per year, or every four months. Code will need to be re-run following each data push to pull the updated data from the Geoservers. Follow ups with individual researchers is required for information from projects that are not collected by the OTN.

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],AUTHORITY["EPSG",4326]]
```

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.Ocean_Tracking_Network_Acoustic_Telemetry_Receiver_Stations
        Object type   ⇔ point
        Object count   ⇔ 3777

    ArcGIS Feature Class Properties ▶
        Feature class name   rpt.rpt.Ocean_Tracking_Network_Acoustic_Telemetry_Receiver_Stations
        Feature type   ⇔ Simple
        Geometry type   ⇔ Point
        Has topology   ⇔ FALSE
        Feature count   ⇔ 3777
        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 realized receiver station locations. Station 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 locations of Acoustic Telemetry Receiver stations, and is updated every four months. Projects that did not provide additional start and end dates had to be filled in to allow for time-enabled mapping features to operate. If a start date is not provided, the year from the first Deploy_Date (pulled from the Geoserver) is used. If no end date is provided and the project is listed as "Ongoing" a time slider end date of 2050 is added which is aligned with the RWSC database. If the project is listed as closed, the year from the last Receiver_Recovery_Date (pulled from the Geoserver) is used.

Lineage ▶

Process step ▶
    When the process occurred   2025-01-01   00:00:00
    Description
    Pre Processing done by Protected Fish Subcommittee Lead:
    1. Ran OTN_CODE.txt file in R. Data is publicly accessible via Geoservers.
    2. Capitalized all first letters of words in Row one
    3. Added (s) after Operator Column Heading
    4. Changed stn to Station in Column Headings
    5. Replace lat and long with Latitude and Longitude
    6. Added Project_ to Status Column Heading
    7. Added _Date to Last_Download Column Heading
    8. Added Receiver_ and (m) to Off_Set
    9. Added Project_Start_Date Column
    10. Added Project_End_Date Column
    11. Added Instrument_Type/ to Model Column
    12. Added Co_Deployed_Instruments, Co_Deploy_List Columns, Archival_or_Real-Time_Receiver, RWSC_or_ROSA_Database, Regional_Acoustic_Telemetry_Network, Seasonality_of_Receivers, Date_Last_Updated_by_RWSC Column Headings
    13. Sort Station_Name A-Z
    14. Uploaded CSV back into R and ran attached OTN_Code2.txt file.
    15. Opened new file in google Sheets.
    16. Sorted data by Last_Recovery by Oldest to newest.
    17. Removed Rows that have not been Recovered Since 2021-12-31, keeping blanks.
    18. Investigated Projects with blank/NA Last Recovery Dates. If Last_Deploy_Date or Last_Download Date were also blank, or not more recent than 2021-12-31, the row was deleted.
    19. Sorted Alphabetically by Collectioncode
    20. Filled in additional information from project websites and project personnel.
    21. Removed NOAA Penobscot Salmon Tracking trip as we were provided with additional receivers.
    22. Filtered Station_Type to remove stations that did not include "Acoustic" or "Transceiver"

    Process contact - originator
        Individual's name   Jordan Katz
        Organization's name   RWSC
        Contact's position   Protected Fish Subcommittee Lead

        Contact information ▶
            Address

Type   both
Delivery point   NA
City   NA
Administrative area   NA
Postal code   NA
e-mail address   jordan.katz@noaa.gov

Process step ►
When the process occurred   2025-03-03   00:00:00
Description
XY Table was converted to point layer.

   Process contact - publisher
      Individual's name   Samantha Coccia-Schillo
      Organization's name   RWSC
      Contact's position   GIS Manager

         Contact information ►
            Phone
               Voice   NA
            Address
               Type   both
               City   NA
               Administrative area   NA
               Postal code   NA
               e-mail address   scoccia-schillo@outlook.com

Process step ►
When the process occurred   2025-04-04   00:00:00
Description
Data were published to online server.

   Process contact - publisher
      Individual's name   Samantha Coccia-Schillo
      Organization's name   RWSC
      Contact's position   GIS Manager

         Contact information ►
            Phone
               Voice   NA
            Address
               Type   both
               City   NA
               Administrative area   NA
               Postal code   NA
               e-mail address   scoccia-schillo@outlook.com

Process step ►
When the process occurred   2025-08-01   00:00:00
Description
Updated Pre Processing done by Protected Fish Subcommittee Lead:
1.   Pulled data   from multiple publicly accessible   Geoservers using R:
      # download data
geoserver_receivers <- readr::read_csv('https://members.oceantrack.org/geoserver/otn/ows?
service=WFS&version=1.0.0&request=GetFeature&typeName=otn:stations_receivers&outputFormat=csv', guess_max = 13579)
geoserver_contacts <- readr::read_csv('https://members.oceantrack.org/geoserver/otn/ows?service=WFS&version=1.0.0&request=GetFeature&typeName=otn:contacts&outputFormat=csv',
guess_max = 13579)
geoserver_projects <- readr::read_csv('https://members.oceantrack.org/geoserver/otn/ows?
service=WFS&version=1.0.0&request=GetFeature&typeName=otn:otn_resources_metadata_points&outputFormat=csv', guess_max = 13579)

   # put all contacts in one line
   conc_contacts <- geoserver_contacts %>%
     mutate(contact_info = paste0(firstname, " ", lastname, " (", email, "), ", role, "; ")) %>%
     group_by(collectioncode) %>%
     summarize(contact_information= paste(contact_info, collapse = "\n"))

   # joining on collection code
   receivers_contacts <- geoserver_receivers %>%
     left_join(conc_contacts, by = "collectioncode")

   # put all affiliations in one line
   affiliation <- geoserver_contacts %>%
     mutate(Operators = paste0(affiliation, "; ")) %>%
     group_by(collectioncode) %>%
     summarize(affiliation= paste(Operators, collapse = "\n"))

   # joining on collection code
   receivers_contacts2 <- receivers_contacts %>%
     left_join(affiliation, by = "collectioncode")

   # isolating project name and collection code
   project_name <- geoserver_projects %>%
     select(collectioncode,resource_full_name)

   # joining project name on collection code
   OTN_All <- receivers_contacts2 %>%
     left_join(project_name, by = "collectioncode")

   # adding project status
   project_status <- geoserver_projects %>%
     select(collectioncode, status)

   # joining project status on collection code

```
OTN_All2 <- OTN_All %>%
  left_join(project_status, by = "collectioncode")

# removing extraneous info
OTN_All3 <- OTN_All2 %>%
  filter(ocean %in% c("NW ATLANTIC","SW ATLANTIC")) %>%
  filter(stationstatus != "closed") %>%
  select(resource_full_name, collectioncode, affiliation, contact_information, stn_lat, stn_long, off_set, station_name, deploy_date, recovery_date, station_type, model, status, last_download,
stationstatus, rcvrstatus)

# only keep most recent
OTN_Data_Aug25 = OTN_All3 |>
  dplyr::mutate(deploy_date = as.Date(deploy_date, format = '%Y-%m-%d')) |>
  dplyr::group_by(collectioncode, station_name) |>
  dplyr::arrange(dplyr::desc(deploy_date)) |>
  dplyr::slice(1)|> ungroup()

write.csv(OTN_Data_Aug25, "C:\\Users\\jordan.katz\\Desktop\\OTN_Data_Aug25.csv")
```

2. Open CSV. Filter for deploy_date after 12/31/2021 and investigated projects with blank/NA Last Deploy Dates. If Last_Recovery_Date or Last_Download Date were also blank, or not more recent than 2021-12-31, the row was also deleted.
3. Filtered station type for anything containing acoustic, transceiver or receiver and to remove all other fields
4. Capitalized all first letters, added "_" in between words of Column Headings
5. Changed "Resource_Full_Name" to "Project_Name", "Stn_lat" to "Station_Latitude", "Stn_Lon" to "Station_Longitude, "Off_Set" to "Off_Set(m)", "Deploy_Date" to "Last_Deploy_Date", "Recovery_Date" to "Last_Recovery_Date" "Project/Deployment_End_Date", "Model" to "Instrument_Model", "Status" to "Project_Status", "Last_Download" to "Last_Download_Date" Column Heading Names
6. Added "Additional_Affiliation", "Time_Slider_Start_DONOTINCLUDE", "Project/Deployment_Start_Date", "Project/Deployment_End_Date", "Time_Slider_End_DONOTINCLUDE", "Co_Deployed_Instruments", "Co_Deploy_List", "Archival_or_Real-Time_Receiver", "RWSC_or_ROSA_Database", "Regional_Acoustic_Telemetry_Network", "Network_Link", "Seasonality_of_Receivers", "Date_Last_Updated_by_RWSC" and "Metadata_Form" Columns
7. Sorted Alphabetically by Collectioncode
8. Filled in additional information from project websites and project personnel.
• If unknown, leave blank
• Time slider dates cannot be left blank.
• If the project status is listed as ongoing, put the end date as 2050
• Go back to the original downloaded deployment data from the geoserver. The earliest year for deployment listed in the project should be used as the start date
9. Noticed that the NSDFA projects had a few rows where the instrument types were environmental monitors not acoustic receivers. I imagine this due to the data including multiple lines for each station name and time (the acoustic receiver and the environmental monitor have two separate lines of data even if the rest of the deployment information is the same). Since the other instruments came first, these were saved. I replaced the instrument type with the acoustic receiver and the corresponding acoustic receiver information in the rest of the data row (Last_Download and deployment fields). Fixed this for a few additional rows in additional projects as well: ASF, BDLSPG, V2LBFC.
10. Removed the "Gulf of Maine NOAA-F Northeast Fishery Science Center, Northeastern Regional Associate of Coastal and Ocean Observing System Buoys" (GMG) project as Jim has sent me a file that contains more receiver deployments than are included in the OTN Dataset.

Process contact - originator
    Individual's name   Jordan Katz
    Organization's name   RWSC
    Contact's position   Protected Fish Subcommittee Lead

        Contact information ▶
            Address
                Type   both
                Delivery point   NA
                City   NA
                Administrative area   NA
                Postal code   NA
                e-mail address   jordan.katz@noaa.gov

Process step ▶
    When the process occurred   2025-10-14   00:00:00
    Description
    Converted new table to XY points

    Process contact - publisher
        Individual's name   Samantha Coccia-Schillo
        Organization's name   RWSC
        Contact's position   GIS Manager

            Contact information ▶
                Phone
                    Voice   NA
                Address
                    Type   both
                    City   NA
                    Administrative area   NA
                    Postal code   NA
                    e-mail address   scoccia-schillo@outlook.com

Distribution ▶
    Distribution format
        Name   ⇔ Enterprise Geodatabase Feature Class

Fields ▶
    Details for object rpt.rpt.Ocean_Tracking_Network_Acoustic_Telemetry_Receiver_Stations ▶
        Type   ⇔ Feature Class
        Row count   ⇔ 3777
        Definition
        Acoustic telemetry receiver stations pulled from the Ocean Tracking Network database

        Definition source
        OTN & 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 Project_Name ►
Alias ⇔ Project_Name
Data type ⇔ String
Width ⇔ 8000
Precision ⇔ 0
Scale ⇔ 0

Field description
Full name of project

Description source
OTN Geoserver

Description of values
text

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

Field description
Project code

Description source
OTN Geoserver

Description of values
text

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

Field description
Affiliation of a principal investigator of the project

Description source
OTN Geoserver

Description of values
text

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

Field description
Link to project website

Description source
RWSC

Description of values
URL

Field Additional_Affiliation ▶
Alias ⇔ Additional_Affiliation
Data type ⇔ String
Width ⇔ 8000
Precision ⇔ 0
Scale ⇔ 0

Field description
Affiliation of the Point of Contact, an additional Principal Investigator, or other project personnel. Some projects have more than two operators, so a full list cannot always be shown in this format. Please see the project website for a full list of organizations affiliated with the project.

Description source
OTN Geoserver, RWSC

Description of values
text

Field Additional_Affiliation_URL ▶
Alias ⇔ Additional_Affiliation_URL
Data type ⇔ String
Width ⇔ 8000
Precision ⇔ 0
Scale ⇔ 0

Field description
Link to the additional affiliation website.

Description source
RWSC

Description of values
URL

Field Contact_Information ▶
Alias ⇔ Contact_Information
Data type ⇔ String
Width ⇔ 8000
Precision ⇔ 0
Scale ⇔ 0

Field description
Name, email address, and role of those affiliated with the project including Principal Investigators and Points of Contact.

Description source
OTN Geoserver

Description of values
text

Field Station_Latitude ▶
Alias ⇔ Station_Latitude
Data type ⇔ Double
Width ⇔ 8
Precision ⇔ 38
Scale ⇔ 8

Field description
Latitude of the station where a receiver is deployed

Description source
OTN Geoserver

Description of values
coordinates

Field Station_Longitude ▶
Alias ⇔ Station_Longitude
Data type ⇔ Double
Width ⇔ 8
Precision ⇔ 38
Scale ⇔ 8

Field description
Longitude of the station where the receiver is deployed

Description source
OTN Geoserver

Description of values
coordinates

Field Receiver_Off_Set_m_ ►
   Alias   ⇔ Receiver_Off_Set(m)
   Data type   ⇔ Double
   Width   ⇔ 8
   Precision   ⇔ 38
   Scale   ⇔ 8

   Field description
    Distance (in meters) from the nominal station location an individual receiver deployment is from the 'intended' station location

   Description source
   OTN Geoserver

   Description of values
   distance in meters

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

   Field description
   Sequential position of the mooring assembly on the array

   Description source
   OTN Geoserver

   List of values
      Value   sequential station value
      Description   Sequential position of the mooring assembly on the array
      Enumerated domain value definition source   OTN Geoserver

Field Project_Deployment_Start_Date ►
   Alias   ⇔ Project/Deployment_Start_Date
   Data type   ⇔ String
   Width   ⇔ 8000
   Precision   ⇔ 0
   Scale   ⇔ 0

   Field description
   Project or Deployment start date. The year is used for the start date of the time slider. Projects that did not provide start dates had to be filled in to allow for time-enabled mapping features to
   operate. If a start date is not provided, the year from the first Deploy_Date (pulled from the Geoserver) is used. This is a character field rather than a date field.

   Description source
   Project website/project personnel

   Description of values
   text

Field Project_Deployment_End_Date ►
   Alias   ⇔ Project/Deployment_End_Date
   Data type   ⇔ String
   Width   ⇔ 8000
   Precision   ⇔ 0
   Scale   ⇔ 0

   Field description
   Project or Deployment end date. The year is used for the end date of the time slider. Projects that did not provide an end date had to be filled in to allow for time-enabled mapping features to
   operate. If no end date is provided and the project is listed as "Ongoing" a time slider end date of 2050 is added which is aligned with the RWSC database. If the project is listed as closed, the
   year from the last Receiver_Recovery_Date (pulled from the Geoserver) is used. This is a character field rather than a date field.

   Description source
   Project website/project personnel

   Description of values
   text

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

Field Time_Slider_End_DONOTINCLUDE ►
   Alias   ⇔ Time_Slider_End_DONOTINCLUDE
   Data type   ⇔ Date
   Width   ⇔ 8

Precision   ⇔ 0
Scale   ⇔ 0

Field Last_Deploy_Date ▶
  Alias   ⇔ Last_Deploy_Date
  Data type   ⇔ Date
  Width   ⇔ 8
  Precision   ⇔ 0
  Scale   ⇔ 0

  Field description
  Most recent date a receiver was deployed at the station

  Description source
  OTN Geoserver

  Description of values
  date field

Field Last_Recovery_Date ▶
  Alias   ⇔ Last_Recovery_Date
  Data type   ⇔ Date
  Width   ⇔ 8
  Precision   ⇔ 0
  Scale   ⇔ 0

  Field description
  Most recent date the deployed receiver was recovered at the station

  Description source
  OTN Geoserver

  Description of values
  date field

Field Station_Type ▶
  Alias   ⇔ Station_Type
  Data type   ⇔ String
  Width   ⇔ 8000
  Precision   ⇔ 0
  Scale   ⇔ 0

  Field description
  Purpose of station

  Description source
  OTN Geoserver

  Description of values
  text

Field Instrument_Model ▶
  Alias   ⇔ Instrument_Model
  Data type   ⇔ String
  Width   ⇔ 8000
  Precision   ⇔ 0
  Scale   ⇔ 0

  Field description
  Model number of the instrument as provided by the manufacturer, if NOT acoustic then prefix with instrument type and manufacturer's name or acronym

  Description source
  OTN Geoserver

  Description of values
  text

Field Co_Deployed_Instruments ▶
  Alias   ⇔ Co_Deployed_Instruments
  Data type   ⇔ String
  Width   ⇔ 8000
  Precision   ⇔ 0
  Scale   ⇔ 0

  Field description
  Whether or not there are additional sensors or instruments deployed with the receiver at the station (yes or no). Other is selected if some receivers do have co-deployed instruments and some do not, but the receiver locations of each are not specified

  Description source
  Project website/project personnel

  Coded values
    Name of codelist   yes/no/other
    Source   RWSC

Field Co_Deploy_List ▶
 Alias ⇔ Co_Deploy_List
 Data type ⇔ String
 Width ⇔ 8000
 Precision ⇔ 0
 Scale ⇔ 0

 Field description
 If yes to the previous, list of any additional sensors or instruments deployed with the receiver at the station. If no to the previous, NA

 Description source
 Project website/project personnel

 Description of values
 text

Field Archival_or_Real_Time_Receiver ▶
 Alias ⇔ Archival_or_Real-Time_Receiver
 Data type ⇔ String
 Width ⇔ 8000
 Precision ⇔ 0
 Scale ⇔ 0

 Field description
 Whether the receiver collects archival or real-time data

 Description source
 Project website/project personnel

 Coded values
  Name of codelist archival/real-time
  Source RWSC

Field RWSC_or_ROSA_Database ▶
 Alias ⇔ RWSC_or_ROSA_Database
 Data type ⇔ String
 Width ⇔ 8000
 Precision ⇔ 0
 Scale ⇔ 0

 Field description
 Link to project site on the RWSC or ROSA database. NA if project is not in either database.

 Description source
 RWSC

 Description of values
 URL

Field Regional_Acoustic_Telemetry_Network ▶
 Alias ⇔ Regional_Acoustic_Telemetry_Network
 Data type ⇔ String
 Width ⇔ 8000
 Precision ⇔ 0
 Scale ⇔ 0

 Field description
 The regional acoustic telemetry network the project participates in. All projects in this dataset participate in the Ocean Tracking Network. A link to the OTN Network is provided.

 Description source
 RWSC

 Description of values
 URL

Field Network_Link ▶
 Alias ⇔ Network_Link
 Data type ⇔ String
 Width ⇔ 8000
 Precision ⇔ 0
 Scale ⇔ 0

 Field description
 Link to the project page on its respective network.

 Description source
 RWSC

 Description of values
 URL

Field Project_Status ▶
 Alias ⇔ Project_Status
 Data type ⇔ String
 Width ⇔ 8000
 Precision ⇔ 0

Scale   ⇔ 0

Field description
Status of the project. Receivers are symbolized according to the contents of this field.

Description source
OTN Geoserver

Coded values
   Name of codelist   ongoing/paused/completed
   Source   RWSC

Field Receiver_Status ▶
   Alias   ⇔ Receiver_Status
   Data type   ⇔ String
   Width   ⇔ 8000
   Precision   ⇔ 0
   Scale   ⇔ 0

   Field description
   The status of the receiver at the station.

   Description source
   OTN Geoserver

   Description of values
   text

Field Station_Status ▶
   Alias   ⇔ Station_Status
   Data type   ⇔ String
   Width   ⇔ 8000
   Precision   ⇔ 0
   Scale   ⇔ 0

   Field description
   The status of the station

   Description source
   OTN Geoserver

   Description of values
   text

Field Seasonality_of_Receivers ▶
   Alias   ⇔ Seasonality_of_Receivers
   Data type   ⇔ String
   Width   ⇔ 8000
   Precision   ⇔ 0
   Scale   ⇔ 0

   Field description
   Whether the receivers are set to be deployed all year-round or are seasonal. If seasonal, seasons provided

   Description source
   Project website/project personnel

   Description of values
   text

Field Last_Download_Date ▶
   Alias   ⇔ Last_Download_Date
   Data type   ⇔ Date
   Width   ⇔ 8
   Precision   ⇔ 0
   Scale   ⇔ 0

   Field description
   Date the data was last downloaded from the deployed receiver.

   Description source
   OTN Geoserver

   Description of values
   date field

Field Date_Last_Updated_by_RWSC ▶
   Alias   ⇔ Date_Last_Updated_by_RWSC
   Data type   ⇔ Date
   Width   ⇔ 8
   Precision   ⇔ 0
   Scale   ⇔ 0

   Field description
   The last date changes were made to the information in the table.

Description source
RWSC

Description of values
date field

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

Field description
The correct metadata form to use for this receiver.

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 ⇔ 2025-10-28

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

Created in ArcGIS for the item 2025-10-22 17:10:41
Last modified in ArcGIS for the item 2025-10-28 12:00:12

Automatic updates
Have been performed Yes
Last update 2025-10-28 11:57:54

Metadata Contacts ►

Metadata contact - publisher
Individual's name Samantha Coccia-Schillo
Organization's name RWSC
Contact's position GIS Manager

Contact information ►
Phone
Voice NA
Address
Type both
City NA
Administrative area NA
Postal code NA
e-mail address scoccia-schillo@outlook.com

Metadata Maintenance ►

Maintenance
Update frequency as needed

Thumbnail and Enclosures ►

Thumbnail
Thumbnail type
Image file