Acoustic Telemetry Receivers

Type Enterprise Geodatabase Feature Class

Tags RWSC, Acoustic Telemetry, Fish, Receivers, ACT, FACT

Summary

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 receivers submitted to the RWSC, the FACT Network, and the ACT (Atlantic Cooperative Telemetry) Network. Data is filtered to only include projects that have receivers deployed beginning on 01/01/2022, including current projects and planned projects whose receivers have not yet been deployed.

- ACT Network Data - these data are submitted to, and maintained, by the ACT Network. These span multiple projects in multiple locations along the U.S mid-Atlantic and Northeast Coast and associated waterways. Projects are either public facing, or personnel have given ACT explicit permission to share their receiver locations and metadata with the RWSC for inclusion on the map. This is done via email to (east.coast.telemetry@gmail.com). Data is received three times per year following each of the network's data pushes, and the layer contents are then updated to reflect the newest deployment information. Please visit the ACT Network website for additional information about the network and their activities.

- RWSC Data- these data are submitted to RWSC staff by project personnel for inclusion on the Research Planning Map. This dataset is made up of receivers from many different projects that can be submitted as active, proposed, planned, or completed.

- FACT Network Data - these data are submitted to, and maintained by, the FACT Network. These span multiple projects in multiple locations along the Southeast Atlantic Coast and associated waterways. Members must provide the FACT Network with explicit permission to share their receiver locations and metadata with the RWSC for inclusion on the map by filling out a Google Form that is co-owned by the FACT Network and the RWSC. Data is received three times per year following each of the network's data pushes, and the layer contents are then updated to reflect the newest deployment information. Please visit the FACT Network website for additional information about the network and their activities.

Receivers 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.

Receivers 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 receiver 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.

Credits

RWSC Protected Fish Subcommittee: Jordan Katz, jordan.katz@noaa.gov, ACT-MATOS: Kim Richie, east.coast.telemetry@gmail.com, FACT Network: Joy Young, Data@theFACTNetwork.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 -93.056210 East -66.953030
North 44.774070 South 24.518060

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 Acoustic Telemetry Receivers
Creation date 2025-03-03 00:00:00
Publication date 2025-04-04 00:00:00
Revision date 2025-10-27 00:00:00

Presentation formats ⇔ digital map

Other citation details
FACT Network Citation:
Joy Young (Executive Director) - FWCC/FWRI

ACT Network:
Kim Richie (Research Technician and ACT_MATOS Database Manager) - Smithsonian Environmental Research Center and Atlantic Cooperative Telemetry Network

Citation Contacts ►

Responsible party - originator
Individual's name Jordan Katz
Organization's name Regional Wildlife Science Collaborative
Contact's position Protected Fish Subcommittee Lead

Contact information ►
Phone
Voice NA
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
RWSC Protected Fish Subcommittee: Jordan Katz, jordan.katz@noaa.gov, ACT-MATOS: Kim Richie, east.coast.telemetry@gmail.com, FACT Network: Joy Young, Data@theFACTNetwork.org

ArcGIS item properties
Name ⇔ rpt.rpt.Acoustic_Telemetry_Receivers
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
The temporal extent covers the current project deployment/start date.

Geographic extent
Bounding rectangle
Extent type
Extent used for searching
West longitude -93.056210
East longitude -66.953030
North latitude 44.774070
South latitude 24.518060

Temporal extent
Beginning date 2009-01-01 00:00:00
Ending date 2025-03-01 00:00:00

Extent in the item's coordinate system
westBL ⇔ -93.056210
eastBL ⇔ -66.953030
southBL ⇔ 24.518060
northBL ⇔ 44.774070
exTypeCode ⇔ Yes

Resource Points of Contact ►

Point of contact - originator
Individual's name Jordan Katz
Organization's name Regional Wildlife Science Collaborative
Contact's position Protected Fish Subcommittee Lead

Contact information ►
Phone
Voice NA
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
Both the ACT Network and the FACT Network will send the RWSC a new data file following each Ocean Tracking Network (OTN) Data Push. OTN has a data push three times per year, or every four months. Follow-ups with project personnel are required for obtaining information from each project, as not all information requested by stakeholders is collected by ACT_MATOS or the FACT Network. RWSC sourced data will be compiled as project personnel reach out with project updates or additional information, and official updates will be made to the layer three times per year aligned with the regional network data pushes. As RWSC data updates are not automated, it is necessary to reach out to POCs annually to ensure project information is accurate.

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.

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.Acoustic_Telemetry_Receivers
Object type ⇔ point
Object count ⇔ 2617

ArcGIS Feature Class Properties ►
Feature class name rpt.rpt.Acoustic_Telemetry_Receivers
Feature type ⇔ Simple
Geometry type ⇔ Point
Has topology ⇔ FALSE
Feature count ⇔ 2617
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 receiver 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 and future known locations of Acoustic Telemetry receivers, and is updated every four months. Projects that did not provide 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 Network data table) 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.

Lineage ►

Process step ►
When the process occurred 2025-01-01 00:00:00
Description
ACT-MATOS Process Steps:
1. Download dataset from Kim
2. Uploaded the CSV into R
3. Run attached ACT_CODE.txt file

4. Open in Excel
5. Add Contact_Information Column
6. Insert formula in new column to combine firstname, lastname, (email address), and role =CONCATENATE(M2, " ",N2, " (",R2,")", ", ",S2)
7. Add a new blank column to the right, copy and special paste values only into the blank column.
8. Delete original column
9. Delete original first name, lastname, email, role, and Contact_Information columns
10. Capitalize First letter of all column headings
11. Add Station_ to Status
12. Add Deploy_ to Longitude and Latitude columns
13. Changed "Affiliation" to Operator(s)
14. Added Project_Name, Approximation_Technique, Project_Deployment/Start_Date, Project_Recovery/End_Date, Co_Deployed_Instruments, Co_Deploy_List, Archival_or_Real-Time_Receiver, RWSC_or_ROSA_Database, Regional_Acoustic_Telemetry_Network, Project_Status, Seasonality_of_Receivers
15. Manually entered missing information from "Network Additional Information" google sheet (originally from email) and the ACT_MATOS Project Website.
16. Copied all project rows to a separate Google Sheet, by project. Sorted by Station Name A-Z. Kept only the most recent row of data per station, deleted the rest. Added instrument type to single row if all additional columns were the same, kept two columns if they are different.
17. Removed Glider projects, as they are going to be dealt with separately.
18. Removed the Rcvrcatnumber column.
19. Removed NOAA-NEFSC PAM Co-deployment data, as we received a more recent dataset directly from the team. Only kept the most recent row for each station.
20. Removed RI-DEM projects as they sent separate information for their deployments and it didn't exactly match what was provided by ACT_MATOS. Thought it best to use what was sent directly to me by project personnel.
21. Entered additional information from project personnel.

Process contact - originator
Individual's name Jordan Katz
Organization's name Regional Wildlife Science Collaborative
Contact's position Protected Fish Subcommittee Lead

Contact information ►
Phone
Voice NA
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 2025-01-01 00:00:00
Description
FACT Network Process Steps:
1. Downloaded data file from Joy. All data from the FACT Network was provided with explicit permission from Project PIs by their voluntary completion of a Google Form.
2. Opened file in Google Sheets
3. Add columns to match ACT Network and RWSC Column Headings: Project_Name, Approximation_Technique, Project_Deployment/Start_Date, Project_Recovery/End_Date, Co_Deployed_Instruments, Co_Deploy_List, Archival_or_Real-Time_Receiver, RWSC_or_ROSA_Database, Regional_Acoustic_Telemetry_Network, Project_Status, Seasonality_of_Receivers
4. Changed "Affiliation" to Operator(s)
5. Add Contact_Information Column
6. Insert formula in new column to combine firstname, lastname, (email address), and role.
7. Add a new blank column to the right, copy and special paste values only into the blank column.
8. Delete original column first name, lastname, email, role and Contact_Information columns.
9. Manually entered missing information from "Network Additional Information" google sheet (originally from email) and the FACT Network Project Websites.
10. Upload File into R Studio.
11. Ran attached FACT_Code.txt file in R studio.
12. Put Excel File into google sheets.
13. Changed Format of Last_Deploy_Date, Last_Recovery_Date, and last_Download to be date with no time.
14. Went through the PIs from the original data sheet and added additionals as well as their organization to the operator column.
15. Project deploy date did not cross over well, updated from original document.
16. Deleted the Rvcatnumber column.
17. Added additional information from project personnel.
18. Downloaded second datasheet from Joy and ran attached FACT_Code.txt file in R studio. It looks to be newer. Repeated all above steps on new data.
19. Filtered to include projects that had a last recovery date or last download date after 12/31/2021. For projects that did not have a last download or last recovery date, the deploy_date was used with the same after 12/31/2021 cutoff date.

Process contact - originator
Individual's name Jordan Katz
Organization's name Regional Wildlife Science Collaborative
Contact's position Protected Fish Subcommittee Lead

Contact information ►
Phone
Voice NA
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 2025-01-01 00:00:00
Description
Added information provided by project personnel.

Process contact - originator
Individual's name Jordan Katz
Organization's name Regional Wildlife Science Collaborative
Contact's position Protected Fish Subcommittee Lead

Contact information ►
Phone
Voice NA

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 2025-02-28 00:00:00
Description
Added some of the additional information from ACT-MATOS for RIDEM Projects.

Process contact - originator
Individual's name Jordan Katz
Organization's name Regional Wildlife Science Collaborative
Contact's position Protected Fish Subcommittee Lead

Contact information ►
Phone
Voice NA
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
RWSC, ACT-MATOS & FACT project table brought into ArcGIS Pro as point data.

Process contact - publisher
Individual's name Samantha Coccia-Schillo
Organization's name Regional Wildlife Science Collaborative

Contact information ►
Phone
Voice NA
Address
Type both
Delivery point NA
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
Layer published to server - service created.

Process contact - publisher
Individual's name Samantha Coccia-Schillo
Organization's name Regional Wildlife Science Collaborative

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

Process step ►
When the process occurred 2025-09-22 00:00:00
Description
UPDATED ACT-MATOS Process Steps:
1. Download dataset from ACT and open in Excel
2. Add Contact_Information Column and insert formula in new column to combine firstname, lastname, (email address), and role =CONCATENATE(M2, " ",N2, " (",R2,")", ", ",S2).
3. Reordered column headings to match OTN Data: Capitalized all first letters, added "_" in between words where applicable. Changed "Project_Title" to "Project_Name", "Latitude" to "Deploy_Latitude", "Longitude" to " Deploy_Longitude, "Project_Start_Date" to "Project/Deployment_Start_Date", "Project_End_Date" to "Project/Recovery_End_Date", "Receiver_Deploy_Date" to "Last_Deploy_Date", "Receiver_Recovery_Date" to "Last_Recovery_Date", and "Receiver_Recent_Download" to "Last_Download_Date", Added "Additional_Affiliations", "Approximation_Technique", "Time_Slider_Start_DONOTINCLUDE", "Time_Slider_End_DONOTINCLUDE", "Co_Deployed_Instruments", "Co_Deploy_List", "Archival_or_RealTime_Receiver", "RWSC_or_ROSA_Database", "Regional_Acoustic_Telemetry_Network", "Network_Link", "Project_Status", "Station_Status", "Date_Last_Updated_By_RWSC", and "Metadata_Form".
4. Fill in additional project information/blanks in the tables for columns that we added based on stakeholder requests. Information comes from the project website page, project personnel, and the RWSC database. Information that is not known is left blank.
-Time slider dates cannot be left blank.
-If the project status is listed as ongoing, put the end date as 2050
- The earliest year for deployment listed in the project should be used as the start date
5. Some projects had duplicate rows for stations with multiple types (all information other than instrument type was the same). Combined the Instrument type fields and deleted the duplicate row.
6. Removed all Glider projects, as they are going to be symbolized in a separate layer.
7. Manually compared information from projects that were both received from ACT_MATOS and sent to the RWSC by project personnel to ensure there are no duplicates. Only kept the most recent deployment for each station. When data is combined, both sources are noted in the metadata form.

Process contact - originator
Individual's name Jordan Katz
Organization's name Regional Wildlife Science Collaborative

Contact's position Protected Fish Subcommittee Lead

Contact information ►
Phone
Voice NA
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 2025-09-22 00:00:00
Description
UPDATED FACT Network Process Steps:
1. Download data file from the FACT Network
2. Open in R and run code:

```
# Keeping only most recent receiver in station
FACT_Data_Aug25 = FACT_RWSC_202508_1_ |>
  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()

# put all contacts in one line
FACT_contacts <- FACT_Data_Aug25 %>%
  mutate(contact_information = paste0(firstname, " ", lastname, " (", email, "), ", role,  "; ")) %>%
  group_by(collectioncode) %>%
  distinct(contact_information, .keep_all = TRUE) %>%
  summarize(contact_information= paste(contact_information, collapse = "\n"))

# joining on collection code
FACT_Data_Aug25_3 <- FACT_Data_Aug25 %>%
  left_join(FACT_contacts, by = "collectioncode")

# removing columns
FACT_Data_Aug25_Full <- FACT_Data_Aug25_3 %>%
  select(-rcvrcatnumber, -firstname, -lastname, -affiliation, -email, -role)

# preparing gps coordinates for split
FACT_Data_Aug25_Full$rcvr_location = gsub('POINT \\(|\\)', '', FACT_Data_Aug25_Full$rcvr_location)

# split
FACT_Data_Aug25_Full_GPS = FACT_Data_Aug25_Full |>
  tidyr::separate_wider_delim(rcvr_location, delim = ' ', names = c('lon', 'lat'))

readr::write_csv(FACT_Data_Aug25_Full_GPS, "C:\\Users\\jordan.katz\\Desktop\\FACT_Data_Aug25_Full_GPS2.csv")
```

3. Order by deploy_date and remove all rows that occur with a deploy date prior to 01/01/2022.
4. Match column headings to the RWSC and ACT network data sheets
5. Fill in additional project information/blanks in the tables for columns that we added based on stakeholder requests. Information comes from the project website page, project personnel, and the RWSC database. Information that is not known is left blank.
-Time slider dates cannot be left blank.
-If the project status is listed as ongoing, put the end date as 2050
-The earliest year for deployment listed in the project should be used as the start date

Process step ►
When the process occurred 2025-09-22 00:00:00
Description
1. Added information provided by project personnel.
2. Manually compared information from projects that were both received from ACT_MATOS and sent to the RWSC by project personnel. Only kept the most recent deployment for each station.
3. Gather all PAM Data collected by Debbie Brill for the PAM Layer. Filter by instrument name and co-deployments. Add information for receivers that are not in the regional networks including planned Passive Acoustic Monitors that are proposed to be co-deployed with an acoustic receiver.

Process contact - originator
Individual's name Jordan Katz
Organization's name Regional Wildlife Science Collaborative
Contact's position Protected Fish Subcommittee Lead

Contact information ►
Phone
Voice NA
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 2025-10-24 00:00:00
Description
Updated datasets on geodatabase and overwrote web service

Process contact - publisher
Individual's name Samantha Coccia-Schillo
Organization's name Regional Wildlife Science Collaborative

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

Source data ►
Description
FACT Network - "A grassroots collaboration of marine scientists using acoustic telemetry and other technologies to better understand and conserve our region's important fish and sea turtle species." https://secoora.org/fact/

ACT-MATOS - "The collaboration that became the ACT Network can be traced back to September 27th, 2005 in Alexandria, VA. During an Atlantic States Marine Fisheries Commission - Atlantic Sturgeon Technical Committee meeting, it became apparent that several researchers were using acoustic telemetry, but their findings were spatially limited, bounded by their individual arrays. The ACT founders couldn't imagine how great ACT would become over the next couple of decades. The ACT Network is currently composed of 215 members from 106 organizations who lead 165 projects tracking 11,534 individuals from 72 species. The network database has 2,300 receiver stations and hosts data from several glider missions." https://theactnetwork.com/

RWSC - The Regional Wildlife Science Collaborative (RWSC) was cooperatively established and is led by four Sectors—federal agencies, states, eNGOs, and the offshore wind industry. RWSC is serving as a coordination hub for offshore wind research to increase collaboration, limit redundancy, suggest common data standards, and increase data sharing and transparency. https://rwsc.org/

Distribution ►

Distribution format
Name ⇔ Enterprise Geodatabase Feature Class

Fields ►

Details for object rpt.rpt.Acoustic_Telemetry_Receivers ►
Type ⇔ Feature Class
Row count ⇔ 2617
Definition
Acoustic Telemetry Receivers

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 Project_Name ►
Alias ⇔ Project_Name
Data type ⇔ String
Width ⇔ 8000
Precision ⇔ 0
Scale ⇔ 0

Field description
Full name of project

Description source
FACT, ACT, project

Description of values
text

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

Field description
Project code associated with the regional network. NA if project does not participate in a regional network.

Description source
FACT, ACT, regional network website

Description of values
text

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

Field description
Affiliation of the Principal Investigator of the project.

Description source
FACT, ACT, project personnel, RWSC

Description of values
text

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

Field description
Link to affiliation website

Description source
FACT, ACT, project personnel, 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 operators with more than two affiliations, 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
FACT, ACT, project personnel, RWSC

Description of values
text

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

Field description
Additional affiliation link to website

Description source
FACT, ACT, project personnel, RWSC

Description of values
URL

Field Contact_Information ►
Alias ⇔ Contact_Information
Data type ⇔ String
Width ⇔ 8000

Precision ⇔ 0
Scale ⇔ 0

Field description
Name and email address of the Principal Investigators and Points of Contact

Description source
FACT, ACT, project personnel

Description of values
text

Field Deploy_Latitude ►
Alias ⇔ Deploy_Latitude
Data type ⇔ Double
Width ⇔ 8
Precision ⇔ 38
Scale ⇔ 8

Field description
Latitude of the most recent receiver deployment at the station for ongoing, completed, or paused projects. For planned projects, the Latitude is where the receiver is set to be deployed.

Description source
FACT, ACT, project personnel

Description of values
coordinates

Field Deploy_Longitude ►
Alias ⇔ Deploy_Longitude
Data type ⇔ Double
Width ⇔ 8
Precision ⇔ 38
Scale ⇔ 8

Field description
Longitude of the most recent receiver deployment at the station for ongoing, completed, or paused projects. For planned projects, the Longitude is where the receiver is set to be deployed.

Description source
FACT, ACT, project personnel

Description of values
coordinates

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

Field description
Technique used to approximate receiver locations if actual locations are not provided. ACT_MATOS and the FACT Network provide actual locations. NA if actual locations are provided.

Description source
Project personnel

Description of values
text

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. If none were provided, numerical stations were added by RWSC staff in the order that they appeared in the received dataset.

Description source
FACT, ACT, project personnel, RWSC

List of values
Value Sequential station value
Description Sequential position of the mooring assembly on the array
Enumerated domain value definition source FACT, ACT, project personnel, RWSC

Field Project_Deployment_Start_Date ►
Alias ⇔ Project/Deployment_Start_Date
Data type ⇔ Date
Width ⇔ 8
Precision ⇔ 0
Scale ⇔ 0

Field description

Project/Deployment start date or planned project start date for projects that have not begun. The ACT Network provides this information for it's projects. For FACT and RWSC projects, it is provided by project personnel or found on the project website. The year is used for the start date of the time slider. This is a character field rather than a date field.

Description source
FACT, ACT, project personnel, RWSC

Description of values
text

Field Project_Recovery_End_Date ►
Alias ⇔ Project/Recovery_End_Date
Data type ⇔ String
Width ⇔ 8000
Precision ⇔ 0
Scale ⇔ 0

Field description
Project/Deployment end date or projected end date for projects that are ongoing.The ACT Network provides this information for it's projects. For FACT and RWSC projects, it is provided by project personnel or found on the project website. The year is used for the end date of the time slider. Some projects just list "ongoing" instead of providing an estimated end date. For ongoing projects without a project end date, 2050 is used which is aligned with the RWSC database. This is a character field rather than a date field.

Description source
FACT, ACT, project personnel, RWSC

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
FACT, ACT, project personnel

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. Usually provided by a regional network. Sometimes left blank.

Description source
FACT, ACT, project personnel

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. Likely left blank if not provided by a regional network

Description source
FACT, ACT, project personnel

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
FACT, ACT, project personnel

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 or 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 or project personnel

Description of values
text

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

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

Description source
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 along with a link to the regional network website. No if project does not participate in a regional network.

Description source
RWSC

Description of values
text

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. NA if project does not participate in a regional 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: planned, ongoing, completed, or paused. Receivers are symbolized according to the contents of this field.

Description source
project website or project personnel

Coded values
Name of codelist Planned, Ongoing, Completed, Paused
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. This field is usually provided by a regional network though may be provided by project personnel. Left blank if not provided.

Description source
FACT, ACT, project personnel

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. This field is either provided by a regional network or specified by project personnel.

Description source
FACT, ACT, RWSC

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, season(s) provided.

Description source
FACT, ACT, 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. This field is usually provided by a regional network and may be left blank.

Description source
FACT, ACT

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 main source of the data provided in the row. It is noted if data are combined from the network provided information and what was sent directly to the RWSC.

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 2025-10-27 11:20:34
Last modified in ArcGIS for the item 2025-10-28 15:34:29

Automatic updates
Have been performed Yes
Last update 2025-10-28 15:19:17

Metadata Contacts ►

Metadata contact - originator
Individual's name Jordan Katz
Organization's name Regional Wildlife Science Collaborative

Contact's position Protected Fish Subcommittee Lead

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

Metadata Maintenance ►

Maintenance
Update frequency as needed

Thumbnail and Enclosures ►

Thumbnail
Thumbnail type
Image file