

Southeast Region Consultation Areas for Section 7 of the Endangered Species Act (v2a)



Tags

National Oceanic and Atmospheric Administration, NOAA, National Marine Fisheries Service, NMFS, NOAA Fisheries, Southeast Region, Southeast Regional Office, SERO, SER, Endangered Species Act, ESA, Section 7, S7, Critical Habitat, CH, Endangered Species, Threatened Species, Listed Species, Protected Resources, Protected Species, Distinct Population Segment, DPS, Section 7 Consultation, Consultation Areas, S7CA, S7CAs, Atlantic Ocean, US Atlantic, Gulf of Mexico, US Caribbean, Caribbean Sea, blue whale, Rice's whale, fin whale, right whale, sei whale, sperm whale, boulder star coral, elkhorn coral, lobed star coral, mountainous star coral, pillar coral, rough cactus coral, staghorn coral, giant manta ray, oceanic whitetip shark, scalloped hammerhead shark, smalltooth sawfish, Atlantic sturgeon, gulf sturgeon, shortnose sturgeon, nassau grouper, green sea turtle, hawksbill sea turtle, Kemp's ridley sea turtle, loggerhead sea turtle, leatherback sea turtle, queen conch.

Summary

These Section 7 Consultation Area data are intended to aid Federal action agencies during their S7 responsibilities under the Endangered Species Act (ESA) and with their determination whether activities authorized, funded, or carried out by a Federal agency may affect species listed by NOAA Fisheries under the ESA. This does not replace the Section 7 consultation process, but will help Federal action agencies determine if listed species may be affected by a proposed Federal action. Consultation Areas represent locations where Section 7 consultations are recommended due to the spatial and temporal occurrence of listed species' life stages, behaviors, and/or critical habitat in our Region. Consultation Areas are within the species range, but may not include areas of extralimital occurrence. We developed these layers using the best available scientific and commercial information and our professional judgment. This is version 2a.

Description

This dataset is intended as guidance for Federal action agencies in consideration of Section 7 (S7) of the Endangered Species Act (ESA). The areas depicted represent locations where the NOAA Fisheries Southeast Regional Office (SERO) recommends Federal action agencies conduct Section 7 consultations due to the spatial and temporal occurrence of listed species' life stages, behaviors, and/or critical habitat in the Southeast Region. Consultation Areas are within the species range, but may not include areas of extralimital occurrence. We developed these layers using the best available scientific and commercial information and our professional judgment. Please note that due to data limitations, if a Federal action agency project (and associated action area) is outside of a major waterway (e.g., in a very small tributary, or shallow area near a marsh) or coastline, S7 Consultation Areas may lack the spatial resolution to capture the action area. Therefore, activities outside a Consultation Area but within a certain proximity may still affect the species identified within the Consultation Area. SERO encourages Federal action agencies to request technical assistance to verify presence/absence of listed species when making consultation determinations. If a user knows of more recent information that is not

reflected in the S7 Consultation Area data, please notify us so that we can make appropriate updates (nmfs.ser.esa.consultations@noaa.gov). The NOAA Southeast Region includes the states of NC, SC, GA, FL, MS, AL, LA, TX, NM, OK, KS, NE, IA, MS, AK, TN, and KY; and waters of the US Exclusive Economic Zone (US EEZ) in the Atlantic Ocean from the NC/VA border through Florida, the Gulf of Mexico, and the U.S. Caribbean. This is version 2a.

Credits

NOAA Fisheries; Southeast Regional Office (SERO); Protected Resources Division. Data developed with technical support from Lynker.

Use limitations

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Extent

West -100 **East** -60
North 38 **South** 15

Scale Range

Maximum (zoomed in) 1:24,000
Minimum (zoomed out) 1:500,000

ArcGIS Metadata ►

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE biota, environment, planning, Cadastre, oceans, inlandWaters, location, boundaries

CONTENT TYPE Downloadable Data
EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

PLACE KEYWORDS Southeast Region, Atlantic Ocean, US Atlantic, Gulf of Mexico, US Caribbean, Caribbean Sea, North Carolina, NC, South Carolina, SC, Georgia, GA, Florida, FL, Alabama, AL, Mississippi, MS, Louisiana, LA, Texas, TX, Puerto Rico, PR, US Virgin Islands, USVI, St Croix, St John, St Thomas

THESAURUS'S LANGUAGE English (UNITED STATES)

THEME KEYWORDS environment, planningCadastre, inlandWaters, boundaries, biota, location, oceans

THESAURUS'S LANGUAGE English (UNITED STATES)

THESAURUS ►

TITLE ISO 19115 Topic Category

REVISION DATE 2021-10-01 00:00:00

Hide Thesaurus ▲

THEME KEYWORDS National Oceanic and Atmospheric Administration, NOAA, National Marine Fisheries Service, NMFS, NOAA Fisheries, Southeast Region, Southeast Regional Office, SERO, SER, Endangered Species Act, ESA, Section 7, S7, Critical Habitat, CH, Endangered Species, Threatened Species, Listed Species, Protected Resources, Protected Species, Distinct Population Segment, DPS, Section 7 Consultation, Consultation Areas, S7CA, S7CAs, Atlantic Ocean, US Atlantic, Gulf of Mexico, US Caribbean, Caribbean Sea, blue whale, Rice's whale, fin whale, North Atlantic right whale, sei whale, sperm whale, boulder star coral, elkhorn coral, lobed star coral, mountainous star coral, pillar coral, rough cactus coral, staghorn coral, giant manta ray, oceanic whitetip shark, scalloped hammerhead shark, smalltooth sawfish, Atlantic sturgeon, gulf sturgeon, shortnose sturgeon, nassau grouper, green sea turtle, hawksbill sea turtle, Kemp's ridley sea turtle, loggerhead sea turtle, leatherback sea turtle, queen conch

THESAURUS'S LANGUAGE English (UNITED STATES)

THESAURUS ►

TITLE SERO Keywords

REVISION DATE 2021-10-01 00:00:00

Hide Thesaurus ▲

THEME KEYWORDS Estuary, Compliance, Ecology, Impact, Management, Natural Resources, Marine, Biology, Surface Water, Conservation, Land, Regulatory, Ecosystem, Environment, Water

THESAURUS ►

TITLE EPA GIS Keyword Thesaurus

REVISION DATE 2021-10-01 00:00:00

Hide Thesaurus ▲

PRODUCT KEYWORDS Section 7 Consultation Areas, Consultation Areas, S7CA, S7CAs, Section 7 Mapper, S7 Mapper, ESA S7 Mapper

Hide Topics and Keywords ▲

Citation ►

TITLE Southeast Region Consultation Areas for Section 7 of the Endangered Species Act (v2a)

ALTERNATE TITLES SERO S7CAs

PUBLICATION DATE 2023-10-01 00:00:00

CREATION DATE 2021-10-01 00:00:00

REVISION DATE 2023-10-01 00:00:00

EDITION v2a

EDITION DATE 2023-10-01

PRESENTATION FORMATS digital map

FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

COLLECTION TITLE Section 7 Consultation Areas

Hide Citation ▲

Citation Contacts ►

RESPONSIBLE PARTY

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CONTACT'S ROLE author

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[Hide Citation Contacts ▲](#)

Resource Details ►

DATASET LANGUAGES English

DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

STATUS completed

SPATIAL REPRESENTATION TYPE vector

SUPPLEMENTAL INFORMATION

The Federal action agency must consider the full extent of their action area (i.e., "all areas to be affected directly or indirectly by the Federal action and not merely the immediate area involved in the action" (50CFR§402.02)) to determine whether or not the proposed activity overlaps with listed species presence in these Consultation Areas. In cases where neither the direct nor the indirect effects of an action will extend into an area of species presence or critical habitat, and thus listed species and critical habitat will not be exposed to any effects of the action, the Federal action agency may conclude the consultation process with a No Effect determination (see our guidance on no effect determinations). Maps indicate locations where species presence and/or critical habitat has been identified and thus section 7 consultation is likely recommended. However, based on the nature and extent of direct and indirect effects of the proposed action, does not necessarily mean all activities within indicated Consultation Areas need consultation. For example, a proposed action may be so minor or limited due to minimization measures, and/or of such a brief duration, and/or occur when species are not present, that the Federal action agency determines there are no effects of the proposed project on listed species). Federal action agencies must use discretion and expertise to determine if proposed activity may affect listed species or critical habitat. If an action agency determines that the proposed activity will not have any effect on a listed species/designated critical area, then no further consultation is

necessary. However, if an action agency determines the proposed activity may affect a listed species or designated critical habitat in any capacity, they must initiate either a formal or informal consultation and, as necessary, prepare a biological assessment to initiate consultation (see instructions below). See <https://www.fisheries.noaa.gov/southeast/endangered-species-conservation/esa-section-7-interagency-consultation-southeast-united-states> for more on how to use the data.

PROCESSING ENVIRONMENT ArcMap 10.8

CREDITS

NOAA Fisheries; Southeast Regional Office (SERO); Protected Resources Division.
Data developed with technical support from Lynker.

ARCgis ITEM PROPERTIES

* LOCATION file:///\\LYNK-CDFT1Z2\C\$\Users\Dean-LorenzSzumylo\Desktop\SERO_S7_Mapper\geodata\2_development\2023_v2_edition\B_Outputs\SERO_S7CA_v2_D_Output.gdb
* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT
DESCRIPTION
Publication date

TEMPORAL EXTENT
BEGINNING DATE 2023-10-01 00:00:00

EXTENT
DESCRIPTION
The NOAA Southeast Region includes the states of NC, SC, GA, FL, MS, AL, LA, TX, NM, OK, KS, NE, IA, MS, AK, TN, and KY; and waters of the US Exclusive Economic Zone (US EEZ) in the Atlantic Ocean from the NC/VA border through Florida, the Gulf of Mexico, and the U.S. Caribbean.

GEOGRAPHIC EXTENT
BOUNDING RECTANGLE
EXTENT TYPE Extent used for searching
WEST LONGITUDE -100
EAST LONGITUDE -60
SOUTH LATITUDE 15
NORTH LATITUDE 38
EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Points of Contact ►

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CONTACT'S ROLE originator

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Resource Maintenance ►

RESOURCE MAINTENANCE

DATE OF NEXT UPDATE 2025-10-01 00:00:00

UPDATE FREQUENCY as needed

OTHER MAINTENANCE REQUIREMENTS

We plan to update the Consultation Areas regularly as new data from peer-reviewed literature, research reports, and field observations become available.

MAINTENANCE CONTACT

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CONTACT'S POSITION Section 7 Coordinator
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[Hide Resource Maintenance ▲](#)

Resource Constraints ►

LEGAL CONSTRAINTS

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CONSTRAINTS

LIMITATIONS OF USE

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LIMITATIONS OF USE

*** Temporal Considerations *** Section 7 Consultation Areas are subject to change or modification. When changes to the Consultation Areas affect this dataset, it will be archived and replaced by an updated version as soon as feasible. It is the user's responsibility to ensure the most recent Consultation Area data are being used.

LIMITATIONS OF USE

*** Shorelines/Base Layers *** The accuracy of this dataset is dependent upon the accuracy and resolution of the datasets (e.g. shoreline, hydrography, bathymetry, shared administrative boundaries) used in the creation process. Source datasets used are specified in the metadata. These data sources were selected for their suitability to a broad audience, and may not be suitable for specific

uses requiring higher-resolution information. Coastlines and water body boundaries change. Unless otherwise noted, where the National Hydrography Dataset or NOAA Medium Resolution Shoreline is used, assume the boundary reaches the most current river, estuary, or coastal shoreline delineation available.

LIMITATIONS OF USE

We are providing the Section 7 Consultation Areas (S7CAs) as technical assistance; however, it does not replace the Section 7 consultation process. Use the S7CAs as a first step in determining if a proposed federal action area overlaps with listed species or critical habitat presence. In cases where neither the direct nor the indirect effects of an action will extend into an area of species presence or critical habitat, and thus listed species and critical habitat will be not be exposed to any effects of the action, the Action Agency may conclude the consultation process with a No Effect determination (see our Guidance on Effects Determinations). The S7CAs indicate locations where species and/or critical habitat may be present, and thus a Section 7 consultation is likely recommended. Consider various factors such as habitat type, sighting information, and project details when determining whether to consult. For projects of larger scale and longer duration, we may consider effects to all of our listed species, including extralimital occurrences, during consultation. However, based on the nature and extent of direct and indirect effects of the proposed action, it does not necessarily mean all activities within the indicated Section 7 Service Area or Consultation Area(s) need consultation. For example, a proposed action may be so minor or limited due to minimization measures, and/or of such a brief duration, and/or occur when species are not present, that the Action Agency determines there are no effects of the proposed project on listed species.

[Hide Resource Constraints ▲](#)

Spatial Reference ►

REFERENCE SYSTEM IDENTIFIER
DIMENSION horizontal
VALUE 4269
CODESPACE EPSG

[REFERENCE THAT DEFINES THE VALUE ►](#)

TITLE EPSG
REVISION DATE 2014-11-19 00:00:00

[Hide Reference that defines the value ▲](#)

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

INDIRECT SPATIAL REFERENCING

River names and River Kilometer (RKM) measurements were derived from features of the National Hydrography Dataset (NHD) data.

[Hide Spatial Data Properties ▲](#)

Spatial Data Content ►

FEATURE CATALOGUE DESCRIPTION
COMPLIES WITH ISO 19110 No
ACCOMPANIES THE DATASET No

LANGUAGE English (UNITED STATES)

FEATURE TYPES IN THE DATASET Section 7 Consultation Areas
CODESPACE NOAA Fisheries Southeast Regional Office

CITATION ►

TITLE Section 7 Consultation Areas
PUBLICATION DATE 2023-10-01 00:00:00
CREATION DATE 2021-10-01 00:00:00
REVISION DATE 2023-10-01 00:00:00

EDITION v2a
EDITION DATE 2023-10-01

[Hide Citation ▲](#)

[Hide Spatial Data Content ▲](#)

Data Quality ►

SCOPE OF QUALITY INFORMATION ►

RESOURCE LEVEL dataset

[Hide Scope of quality information ▲](#)

[Hide Data Quality ▲](#)

Lineage ►

► PROCESS STEP

WHEN THE PROCESS OCCURRED 2020-10-01 00:00:00

DESCRIPTION

[Download NHD] Download High-Resolution NHD data for Southeast Region (and some neighbors): VA, NC, SC, GA, FL, AL, MS, LA, TX, PR, VI

[Hide Process step ▲](#)

► PROCESS STEP

WHEN THE PROCESS OCCURRED 2021-10-01 00:00:00

DESCRIPTION

[RKM River Template Development] While river kilometer or river mile measurements are available for individual rivers, we were unable to identify a single region-wide data source identifying standard river kilometer (RKM) measurements for major waterways across the Southeast Region. We generated our own standard RKM measurements using the National Hydrography Dataset (NHD). Using the [GNIS_Name] attribute, we extracted river line features from the NHDFlowline and NHDLine feature classes from all states containing the river. We discarded by hand any features not representing the target watercourse. We merged and dissolved the remaining features into a single polyline feature representing the target river, filling in gaps as necessary with unnamed NHD features or drawing by hand using ESRI's World Imagery basemap as a guide. We projected the river into an equidistant coordinate system and generated point features along the river line, spaced exactly 1 kilometer apart, beginning at the mouth. We assigned each point a number value representing its river length distance from the mouth and used the points to split the river line into 1km segments. We transferred the river distance values of the downstream and upstream points to the river line segments. From the NHDWaterbody and NHDArea data layers, we spatially extracted polygons overlapping the river line, discarded unnecessary features by hand, and merged and dissolved features to create a single double-bank polygon for each river. We usually maintained minor tributaries as part of the river polygon, but we split off some larger tributaries as their own RKM or singlepart river templates (see other processing steps for more information). At each river kilometer point location, we measured the bearing of the underlying river line, then generated transects perpendicular to the bearing to cut the double-bank river polygon into 1 RKM segments. We reviewed the resulting RKM polygon segments, and made edits by hand wherever transects crossed before reaching the riverbank, usually around sharp bends in the river. Finally, we assigned each 1 RKM polygon segment with the upstream and downstream RKM distances.

[Hide Process step ▲](#)

▶ PROCESS STEP

▶ WHEN THE PROCESS OCCURRED 2021-10-01 00:00:00

DESCRIPTION

[Singlepart River Template Development] Some minor rivers and tributaries do not require river kilometer (RKM) segmentation for Section 7 purposes. We refer to these as singlepart rivers. We generated singlepart river templates using the National Hydrography Dataset (NHD). Using the [GNIS_Name] attribute, we extracted river line features from the NHDFlowline and NHDLine feature classes from all states containing the river. We discarded by hand any features not representing the target watercourse. We merged and dissolved the remaining features into a single polyline feature representing the target river, filling in gaps as necessary with unnamed NHD features or drawing by hand. From the NHDWaterbody and NHDArea data layers, we spatially extracted polygons overlapping the river line, discarded unnecessary features by hand, and merged and dissolved features to create a single double-bank polygon for each river. Where obstructions or physical conditions limit the occurrence of listed species, we split the singlepart polygon templates at these limits and discarded any upstream features.

[Hide Process step ▲](#)

▶ PROCESS STEP

▶ WHEN THE PROCESS OCCURRED 2021-10-01 00:00:00

DESCRIPTION

[Coastal/Marine Zone Template Development] We generated a series template of coastal and marine zone templates using a coastline delineated by features within the NHDArea and NHDWaterbody feature classes whose [FType] attribute values were "SeaOcean." We reviewed this coastline and recommended changes as necessary, typically resulting in the addition of other coastal and nearshore water bodies with [FType] values of "Foreshore" or "StreamRiver." For an offshore boundary, we used the US EEZ. We used COLREGS lines to cross the mouths of inlets, bays, and sounds as necessary. From these component files we generated the following templates. "Coast to EEZ Waters" Nearshore boundary: Combination of NHD coastline and COLREGS lines; Offshore boundary: Limit of US EEZ; Notes: Includes state and federal marine waters. Excludes waters inshore of COLREGS. "Oceanic Waters" Nearshore boundary: 200m bathy contour (derived from ETOPO1); Offshore boundary: Limit of US EEZ; Notes: Neritic + Oceanic = Coast to EEZ Limit waters. "Neritic Waters" Nearshore boundary: Combination of NHD coastline and COLREGS lines; Offshore boundary: 200m bathy contour (derived from ETOPO1); Notes: Neritic + Oceanic = Coast to EEZ Limit waters. "Inshore Waters" Nearshore boundary: NHD coast (as delineated by FType=SeaOcean); Offshore boundary: Combination of NHD coastline and COLREGS Lines; Notes: This won't be contiguous. Where FType=SeaOcean extends into the open ocean/gulf, there will be no inshore waters. Some inshore waters will also be designated as stand-alone, named zones (i.e. Pamlico Sound). We also used bathymetry countours derived from ETOPO1 to produce nearshore or

offshore limits for some features not matching these standardized Coast-to-EEZ, Oceanic, Neritic, or Inshore waters zones.

[Hide Process step ▲](#)

▶ PROCESS STEP

▶ WHEN THE PROCESS OCCURRED 2023-10-01 00:00:00

DESCRIPTION

[SME Review] NOAA Fisheries SERO Species Coordinators reviewed the decision rules for determining unique combinations of life stages, behaviors, and times of year, as well as the descriptions of those life stages and behaviors. As new data become available from peer-reviewed literature, research reports, etc., species experts and Species Coordinators will discuss updates to the database and associated features in this geodatabase. Species Coordinators will make updates based on those discussions on an annual basis, if not more frequently.

[Hide Process step ▲](#)

▶ PROCESS STEP

▶ WHEN THE PROCESS OCCURRED 2023-10-01 00:00:00

DESCRIPTION

[Metadata] We developed a S7 Consultation Area metadata template using ArcCatalog. The metadata was validated for compliance with the North American Profile of ISO 19115 2003.

[Hide Process step ▲](#)

▶ PROCESS STEP

▶ WHEN THE PROCESS OCCURRED 2023-10-01 00:00:00

DESCRIPTION

[Data Updates] Species Coordinators and GIS staff will track feedback on data updates from internal and external users since the publication of the most recent S7 geodatabase. We review suggested updates, rank edits by priority, implemented necessary changes to attributes and/or geometry, and conducted QA/QC of edits. When we roll out a significant collection of updates, we designate a new "version" of the geodatabase. We will describe any significant data changes in the following Process Steps.

[Hide Process step ▲](#)

▶ PROCESS STEP

▶ WHEN THE PROCESS OCCURRED 2023-10-01 00:00:00

DESCRIPTION

[Merge and Attribute] We merged features together based on species and river/marine zone. We joined attribute information to the geometric features based on the unique combination of Species / Zone / Life Stage / Behavior.

Hide Process step ▲

▶ PROCESS STEP

▶ WHEN THE PROCESS OCCURRED 2023-10-01 00:00:00

DESCRIPTION

[Quality Review] Species Coordinators and GIS staff reviewed the resultant S7 Consultation Areas for accuracy and completeness.

Hide Process step ▲

▶ PROCESS STEP

▶ WHEN THE PROCESS OCCURRED 2023-10-01 00:00:00

DESCRIPTION

[Remove M & Z Values] We removed M and Z values from the feature classes, which are artifacts of the source NHD data. These are unnecessary for the intended use of the data, hinder data rendering speeds when the data is later published as a feature service.

Hide Process step ▲

▶ PROCESS STEP

▶ WHEN THE PROCESS OCCURRED 2023-10-01 00:00:00

DESCRIPTION

[SZLB Attribute Collection] We worked with Species Coordinators to assemble the best available scientific information on the ESA-listed species in our region and organized a database with entries for each unique combination of a species' life stage, behavior, and time of year in distinct river systems and marine zones. Each entry received a unique ID. Data were gathered from literature reviews, conversations with species experts, and existing biological opinions. As new data become available, we will update the database and corresponding features in this geodatabase.

[Hide Process step ▲](#)

▶ PROCESS STEP

▶ WHEN THE PROCESS OCCURRED 2023-10-01 00:00:00

DESCRIPTION

[SZLB Feature Extraction] Based on the species, life stage, and behavior information collected in the database, we used the templates (i.e., RKM River, Singlepart River, Coastal/Marine Zones) described above and assigned them the appropriate unique ID. For RKM Rivers, we relied on source data from literature or personal communications, and chose the appropriate RKM polygons that encompassed the entirety of the area referenced by the source.

[Hide Process step ▲](#)

▶ PROCESS STEP

▶ WHEN THE PROCESS OCCURRED 2023-10-01 00:00:00

DESCRIPTION

[Preparation for Web Application] We make several modifications to optimize this geodatabase for use in a web application. The following steps are only applicable to the "Web App" version of this geodatabase used for the Section 7 Consultation Area Mapper web application tool, hosted on the NOAA GeoPlatform, and do not apply to the primary, downloadable geodatabase. To optimize data rendering speeds in the application, any polygons with more than 20,000 vertices were split into smaller polygons, typically along a constant meridian or parallel, until all subdivisions had fewer than 20,000 vertices. The attributes for these subdivided polygons were unchanged, so multiple features may have identical attributes. We identified the 20,000 vertex maximum after several trials. For the Web App version, we also produce a feature class of "simplified species extent" polygons. We use this layer to depict lower-resolution spatial extents of Consultation Areas for each species. The layer is produced by dissolving all Consultation Areas for a given species into a single polygon, and then running the Simplify Polygon tool on that feature using the POINT_REDUCTION method.

[Hide Process step ▲](#)

▶ SOURCE DATA

DESCRIPTION

Hydrography feature classes NHDArea and NHDFlowline provided most boundaries for double bank river polygons, river mouths, river polylines, bays, sounds, estuaries, and coastlines. Feature classes NHDLine and NHDWaterbody occasionally provided

boundaries connecting NHDArea or NHDFlowline features. Watershed Boundary Dataset features were used for coastal 4-digit and 12-digit Hydrologic Units.

RESOLUTION OF THE SOURCE DATA

SCALE DENOMINATOR 24000

SOURCE CITATION ►

TITLE High-Resolution National Hydrography Dataset

ALTERNATE TITLES NHD

PUBLICATION DATE 2014-07-18 00:00:00

PRESENTATION FORMATS digital map

FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

OTHER CITATION DETAILS

NHD data was downloaded for each state on May 1, 2020. Border-crossing features are repeated in each state's dataset. The nationwide dataset is cited here. The following states' data were used for this project: AL, FL, GA, LA, MS, NC, PR, SC, TX, VI, VA.

RESPONSIBLE PARTY

ORGANIZATION'S NAME U.S. Geological Survey, National Geospatial Technical Operations Center

CONTACT'S ROLE originator

RESPONSIBLE PARTY

ORGANIZATION'S NAME U.S. Geological Survey

CONTACT'S ROLE publisher

CONTACT INFORMATION ►

ADDRESS

TYPE

DELIVERY POINT Reston, VA

Hide Contact information ▲

RESOURCE LOCATION ONLINE

LOCATION

\\igskbthisusy01\nhdgeo\oracle_export\GDBExtractServer\Template\NHD_File_Template_High_92v210.gdb

RESOURCE LOCATION ONLINE

LOCATION <http://viewer.nationalmap.gov/basic/>

Hide Source citation ▲

EXTENT OF THE SOURCE DATA

DESCRIPTION

publication date

TEMPORAL EXTENT

BEGINNING DATE 1994-01-01

ENDING DATE 2009-11-06

[Hide Source data ▲](#)

▶ SOURCE DATA

DESCRIPTION

We used this source basemap imagery to hand-digitize double-bank river polygon template boundaries when NHD polygon data did not cover the necessary extent.

SOURCE CITATION ▶

TITLE World Imagery

ALTERNATE TITLES World Imagery Basemap

PUBLICATION DATE 2017-08-01

PRESENTATION FORMATS digital map

FGDC GEOSPATIAL PRESENTATION FORMAT raster digital data

OTHER CITATION DETAILS

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

RESPONSIBLE PARTY

ORGANIZATION'S NAME esri

CONTACT'S ROLE originator

RESPONSIBLE PARTY

ORGANIZATION'S NAME esri

CONTACT'S ROLE publisher

CONTACT INFORMATION ▶

ADDRESS

DELIVERY POINT Redlands, CA

[Hide Contact information ▲](#)

RESOURCE LOCATION ONLINE

LOCATION <https://www.arcgis.com/home/item.html?id=10df2279f9684e4a9f6a7f08febac2a9>

[Hide Source citation ▲](#)

EXTENT OF THE SOURCE DATA

DESCRIPTION

publication date

TEMPORAL EXTENT

DATE AND TIME 2017-08-01

[Hide Source data ▲](#)

SOURCE DATA

DESCRIPTION

This source topography dataset was used to derive bathymetric contour lines.

SOURCE CITATION ▶

TITLE ETOPO1 1 Arc-Minute Global Relief Model

ALTERNATE TITLES ETOPO1

PUBLICATION DATE 2009-01-01

EDITION First

PRESENTATION FORMATS digital map

FGDC GEOSPATIAL PRESENTATION FORMAT raster digital data

OTHER CITATION DETAILS

Amante, C. and B.W. Eakins, 2009. ETOPO1 1 Arc-Minute Global Relief Model: Procedures, Data

RESPONSIBLE PARTY

ORGANIZATION'S NAME DOC/NOAA/NESDIS/NGDC > National Geophysical Data Center, NESDIS, NOAA, U.S.

CONTACT'S ROLE originator

RESPONSIBLE PARTY

ORGANIZATION'S NAME DOC/NOAA/NESDIS/NGDC - National Geophysical Data Center

CONTACT'S ROLE publisher

CONTACT INFORMATION ►

ADDRESS

DELIVERY POINT Silver Spring, MD

Hide Contact information ▲

RESOURCE LOCATION ONLINE

LOCATION <http://www.ngdc.noaa.gov/mgg/global/global.html>

RESOURCE LOCATION ONLINE

LOCATION

http://www.ngdc.noaa.gov/mgg/global/relief/ETOPO1/data/bedrock/grid_registered/binary/top

Hide Source citation ▲

EXTENT OF THE SOURCE DATA

DESCRIPTION

publication date

TEMPORAL EXTENT

DATE AND TIME 2009-01-01

Hide Source data ▲

SOURCE DATA



DESCRIPTION

Offshore limit for Atlantic Whale, Sea Turtle and Atlantic Salmon

SOURCE CITATION ►

TITLE USMaritimeLimitsNBoundaries

ALTERNATE TITLES EEZ

PUBLICATION DATE 2011-05-01

EDITION 1

PRESENTATION FORMATS digital map

FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

RESPONSIBLE PARTY

ORGANIZATION'S NAME National Oceanic and Atmospheric Administration (NOAA), National Ocean Service (NOS), Office of Coast Survey (OCS)
CONTACT'S ROLE publisher

CONTACT INFORMATION ►

ADDRESS
DELIVERY POINT Silver Spring, MD

Hide Contact information ▲

RESPONSIBLE PARTY
ORGANIZATION'S NAME NOAA's Ocean Service, Office of Coast Survey (OCS)
CONTACT'S ROLE originator

Hide Source citation ▲

EXTENT OF THE SOURCE DATA
DESCRIPTION
publication date

TEMPORAL EXTENT
DATE AND TIME 2011-05-01

Hide Source data ▲

Hide Lineage ▲

Distribution ►

DISTRIBUTOR ►

CONTACT INFORMATION
ORGANIZATION'S NAME National Oceanic and Atmospheric Administration
INDIVIDUAL'S NAME NOAA Fisheries Southeast Regional Office Protected Resources Division
CONTACT'S ROLE originator

CONTACT INFORMATION ►

PHONE
VOICE (727) 824-5301
FAX (727) 824-5320

ADDRESS
TYPE
DELIVERY POINT 263 13th Avenue South
CITY St. Petersburg

ADMINISTRATIVE AREA FL
POSTAL CODE 33701
E-MAIL ADDRESS nmfs.ser.prd.mailbox@noaa.gov

[Hide Contact information ▲](#)

[Hide Distributor ▲](#)

TRANSFER OPTIONS
ONLINE SOURCE
LOCATION <https://www.fisheries.noaa.gov/region/southeast>

ONLINE SOURCE
LOCATION <https://www.fisheries.noaa.gov/resource/map/southeast-region-esa-section-7-mapper>

ONLINE SOURCE
LOCATION <https://www.fisheries.noaa.gov/southeast/endangered-species-conservation/esa-section-7-interagency-consultation-southeast-united-states>

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT [S7 Consultation Area ►](#)

DEFINITION
Southeast Region Consultation Areas for Section 7 of the Endangered Species Act

DEFINITION SOURCE
SERO

FIELD RKMUPSRC



DATA TYPE Float

WIDTH 10

FIELD DESCRIPTION

The upstream river kilometer (RKM) of the Consultation Area feature, based on the primary source's (not SERO) measurements of river distance

DESCRIPTION SOURCE
See [RKMSRC]

DESCRIPTION OF VALUES
Distance (km) from calculated mouth of river

[Hide Field RKMUPSRC ▲](#)

FIELD SPNAME

DATA TYPE Text

WIDTH 100

FIELD DESCRIPTION

Common Name of species affected within feature. Values represent 3-character species codes used for feature UNIQUEID.

DESCRIPTION SOURCE

SERO

LIST OF VALUES

VALUE HWK

DESCRIPTION Sea turtle, Hawksbill

ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE LTR

DESCRIPTION Sea turtle, Leatherback

ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE BLU

DESCRIPTION Whale, Blue

ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE FIN

DESCRIPTION Whale, Fin

ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE GRN

DESCRIPTION Sea turtle, Green

ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE SNS

DESCRIPTION Sturgeon, Shortnose

ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE LOG

DESCRIPTION Sea turtle, Loggerhead

ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE KMP

DESCRIPTION Sea turtle, Kemp's ridley

ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE RYC
DESCRIPTION Whale, Rice's
ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE SPM
DESCRIPTION Whale, Sperm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE SEI
DESCRIPTION Whale, Sei
ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE RIT
DESCRIPTION Whale, Right
ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE ANS
DESCRIPTION Sturgeon, Atlantic
ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE BOL
DESCRIPTION Coral, Boulder star
ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE ELK
DESCRIPTION Coral, Elkhorn
ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE LOB
DESCRIPTION Coral, Lobed star
ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE MTN
DESCRIPTION Coral, Mountainous star
ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE PLR
DESCRIPTION Coral, Pillar
ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE RFF
DESCRIPTION Coral, Rough cactus
ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE STG
DESCRIPTION Coral, Staghorn
ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE GMR
DESCRIPTION Ray, Giant Manta
ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE OWT
DESCRIPTION Shark, Oceanic whitetip
ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE SHH
DESCRIPTION Shark, Scalloped hammerhead
ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE STS
DESCRIPTION Sawfish, Smalltooth
ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE GLF
DESCRIPTION Sturgeon, Gulf
ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE NSG
DESCRIPTION Grouper, Nasssau
ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE JSG
DESCRIPTION Seagrass, Johnsons
ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

Hide Field SPNAME ▲

FIELD FRCIT



DATA TYPE Text
WIDTH 50
FIELD DESCRIPTION
Federal Register Citation

DESCRIPTION SOURCE
SERO

DESCRIPTION OF VALUES
Free text

Hide Field FRCIT ▲

FIELD WATERSHED



DATA TYPE Text

WIDTH 100

FIELD DESCRIPTION

Major watershed name containing feature

DESCRIPTION SOURCE

SERO

DESCRIPTION OF VALUES

Free text

Hide Field WATERSHED ▲

FIELD RKMDNSER



DATA TYPE Float

WIDTH 10

FIELD DESCRIPTION

The downstream river kilometer (RKM) of the Consultation Area feature, based on SERO's measurements of river distance

DESCRIPTION SOURCE

SERO

DESCRIPTION OF VALUES

Distance (km) from calculated mouth of river

Hide Field RKMDNSER ▲

FIELD DPS



DATA TYPE Text

WIDTH 50

FIELD DESCRIPTION

Distinct Population Segment (when applicable) of species affected within feature

DESCRIPTION SOURCE

SERO

LIST OF VALUES

VALUE Carolina DPS

DESCRIPTION Listed Atlantic sturgeon DPS

ENUMERATED DOMAIN VALUE DEFINITION SOURCE ESA

VALUE Central and Southwest Atlantic DPS

DESCRIPTION Listed Scalloped hammerhead shark DPS

ENUMERATED DOMAIN VALUE DEFINITION SOURCE ESA

VALUE U.S. DPS

DESCRIPTION Listed Smalltooth sawfish DPS

ENUMERATED DOMAIN VALUE DEFINITION SOURCE ESA

VALUE South Atlantic DPS

DESCRIPTION Listed Atlantic sturgeon DPS

ENUMERATED DOMAIN VALUE DEFINITION SOURCE ESA

VALUE Northwest Atlantic Ocean DPS

DESCRIPTION Listed loggerhead sea turtle DPS

ENUMERATED DOMAIN VALUE DEFINITION SOURCE ESA

VALUE North Atlantic DPS

DESCRIPTION Listed green sea turtle DPS

ENUMERATED DOMAIN VALUE DEFINITION SOURCE ESA

VALUE South Atlantic DPS

DESCRIPTION Listed green sea turtle DPS

ENUMERATED DOMAIN VALUE DEFINITION SOURCE ESA

VALUE Multiple DPS

DESCRIPTION More than one DPS mixing

ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

DESCRIPTION OF VALUES

Free Text

Hide Field DPS ▲

FIELD ESASTATUS



DATA TYPE Text

WIDTH 50

FIELD DESCRIPTION

Endangered Species Act Listing Status for identified species

DESCRIPTION SOURCE
ESA

LIST OF VALUES

VALUE Endangered

DESCRIPTION Any species which is in danger of extinction throughout all or a significant portion of its range

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Endangered Species Act of 1973

VALUE N/A

DESCRIPTION Field not applicable.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE Threatened

DESCRIPTION Any species which is likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Endangered Species Act of 1973

VALUE Threatened/Endangered

DESCRIPTION All Distinct Population Segments (DPS) of a species may be present, but some DPSs are threatened while others are endangered.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Endangered Species Act of 1973

Hide Field ESASTATUS ▲

FIELD BEHAVIOR



DATA TYPE Text

WIDTH 100

FIELD DESCRIPTION

Species behavior affected within feature. Values represent 3-character behavior codes used for feature UNIQUEID.

DESCRIPTION SOURCE

SERO

DESCRIPTION OF VALUES

Unique BBB code for species behaviors. Too many to list. See contacts for more information.

Hide Field BEHAVIOR ▲

FIELD NOTES



DATA TYPE Text

WIDTH 2500

FIELD DESCRIPTION

Additional details supporting or clarifying the Consultation Area boundaries or seasonality

DESCRIPTION SOURCE

SERO

DESCRIPTION OF VALUES

Free text

Hide Field NOTES ▲

FIELD LIFESTAGE



DATA TYPE Text

WIDTH 100

FIELD DESCRIPTION

Species Life Stage affected within feature. Values represent 3-character life stage codes used for feature UNIQUEID.

DESCRIPTION SOURCE

SERO

DESCRIPTION OF VALUES

Unique LLL code for species life stages. Too many to list. See contacts for more information.

Hide Field LIFESTAGE ▲

FIELD RKMDNSRC



DATA TYPE Float

WIDTH 10

FIELD DESCRIPTION

The downstream river kilometer (RKM) of the Consultation Area feature, based on the primary source's (not SERO) measurements of river distance

DESCRIPTION SOURCE

See [RKMSRC]

DESCRIPTION OF VALUES

Distance (km) from calculated mouth of river

Hide Field RKMDNSRC ▲

FIELD UNIQUEID



DATA TYPE Text

WIDTH 100

FIELD DESCRIPTION

Internal Species-Zone-LifeStage-Behavior Identifier

DESCRIPTION SOURCE

SERO

DESCRIPTION OF VALUES

Free text field, structured as SSS_ZZZ_LLL_BBB, where SSS = 3-character species code, ZZZ = 3-character zone code, LLL = 3-character life stage code, BBB = 3-character behavior code

Hide Field UNIQUEID ▲

FIELD SEASON2END



DATA TYPE Text

WIDTH 10

FIELD DESCRIPTION

If the Consultation Area feature is only seasonally relevant, and there are multiple seasons (e.g., upstream migration, downstream migration), this field records the approximate end date of the relevant season occurring later in the year

DESCRIPTION SOURCE

SERO

DESCRIPTION OF VALUES

Date as MM/DD

Hide Field SEASON2END ▲

FIELD ZONE



DATA TYPE Text

WIDTH 100

FIELD DESCRIPTION

Zone (river, estuary, or marine waters) containing feature. Unique 3-character zone abbreviations are used for feature UNIQUEID, but there are too many to list here, and more are added as needed.

DESCRIPTION SOURCE

SERO

DESCRIPTION OF VALUES

Unique ZZZ code for species zone. Too many to list. See contacts for more information.

Hide Field ZONE ▲

FIELD SEASON1END



DATA TYPE Text

WIDTH 10

FIELD DESCRIPTION

If the Consultation Area feature is only seasonally relevant, this field records the approximate last date of the relevant season

DESCRIPTION SOURCE

SERO

DESCRIPTION OF VALUES

Date as MM/DD

Hide Field SEASON1END ▲

FIELD SEASON1BEG



DATA TYPE Text

WIDTH 10

FIELD DESCRIPTION

If the Consultation Area feature is only seasonally relevant, this field records the approximate start date of the relevant season

DESCRIPTION SOURCE

SERO

DESCRIPTION OF VALUES

Date as MM/DD

Hide Field SEASON1BEG ▲

FIELD DATECREATE



DATA TYPE Date

WIDTH 10

FIELD DESCRIPTION

Date GIS feature was drawn, used for version tracking

DESCRIPTION SOURCE

SERO

DESCRIPTION OF VALUES

Date as MM/DD/YYYY

Hide Field DATECREATE ▲

FIELD CITATION



DATA TYPE Width

WIDTH 1500

FIELD DESCRIPTION

Primary sources contributing to delineation of Consultation Area

DESCRIPTION SOURCE

SERO

DESCRIPTION OF VALUES

Free text

Hide Field CITATION ▲

FIELD RKMSRC



DATA TYPE Width

WIDTH 250

FIELD DESCRIPTION

The primary source citation used for [RKMDNSRC] and [RKMUPSRC] fields

DESCRIPTION SOURCE

Self-Referential

DESCRIPTION OF VALUES

Free text

Hide Field RKMSRC ▲

FIELD RKMUPGAR



DATA TYPE Float

WIDTH 10

FIELD DESCRIPTION

The upstream river kilometer (RKM) of the Consultation Area feature, based on SERO's measurements of river distance

DESCRIPTION SOURCE

SERO

DESCRIPTION OF VALUES

Distance (km) from calculated mouth of river

Hide Field RKMUPGAR ▲

FIELD RECPLAN



DATA TYPE Text

WIDTH 500

FIELD DESCRIPTION

Recovery Plan Citation

DESCRIPTION SOURCE

SERO

DESCRIPTION OF VALUES

Free text

Hide Field RECPLAN ▲

FIELD SEASON2BEG



DATA TYPE Text

WIDTH 10

FIELD DESCRIPTION

If the Consultation Area feature is only seasonally relevant, and there are multiple seasons (e.g., upstream migration, downstream migration), this field records the approximate start date of the relevant season occurring later in the year

DESCRIPTION SOURCE

SERO

DESCRIPTION OF VALUES

Date as MM/DD

Hide Field SEASON2BEG ▲

FIELD SPLATIN



DATA TYPE Text

WIDTH 100

FIELD DESCRIPTION

Scientific (Latin) Name of species affected within feature

DESCRIPTION SOURCE

SERO

DESCRIPTION OF VALUES

Free text. Scientific (latin) name of listed species identified in [SPNAME].

Hide Field SPLATIN ▲

FIELD SPGROUP



DATA TYPE Text

WIDTH 100

FIELD DESCRIPTION

High-level grouping of species

DESCRIPTION SOURCE

SERO

LIST OF VALUES

VALUE Corals

DESCRIPTION Feature is relevant to listed coral species

ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE Sea Turtles

DESCRIPTION Feature is relevant to a listed sea turtle species

ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE Elasmobranchs

DESCRIPTION Feature is relevant to a listed sharks, rays, or sawfish

ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE Cetaceans

DESCRIPTION Feature is relevant to a listed Large Whale species

ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE Osteichthyes

DESCRIPTION Feature is relevant to a listed grouper or sturgeon

ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

VALUE Seagrass

DESCRIPTION Feature is relevant to a listed seagrass species
ENUMERATED DOMAIN VALUE DEFINITION SOURCE SERO

[Hide Field SPGROUP ▲](#)

FIELD ZONEDIV



DATA TYPE Text

WIDTH 250

FIELD DESCRIPTION

Subdivision description of zone, if not upstream/downstream RKM. Values may include coastal state or county names, or names of other sub units.

DESCRIPTION SOURCE

SERO

DESCRIPTION OF VALUES

Free text.

[Hide Field ZONEDIV ▲](#)

[Hide Details for object S7 Consultation Area ▲](#)

OVERVIEW DESCRIPTION



ENTITY AND ATTRIBUTE OVERVIEW

Entity Attributes provide reference information for the S7 Consultation Area represented. Attributes describe the species, zone, life stage, and behavior likely to be found within the delineated feature. Attributes also describe seasonality, upstream and downstream river extent (where applicable), and supporting primary source citations.

ENTITY AND ATTRIBUTE DETAIL CITATION

Entities and attributes are a product of the NOAA Fisheries Southeast Regional Office.

[Hide Overview Description ▲](#)

[Hide Fields ▲](#)

Metadata Details ►

METADATA LANGUAGE English (UNITED STATES)

METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

METADATA IDENTIFIER BAD2B967-385B-44B9-95B1-9F08F013C3C9
FUNCTION OF THE RESOURCE download

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset

LAST UPDATE 2023-10-01

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0
METADATA STYLE North American Profile of ISO19115 2003
STANDARD OR PROFILE USED TO EDIT METADATA NAP

CREATED IN ARCGIS FOR THE ITEM 2023-09-21 22:59:02
LAST MODIFIED IN ARCGIS FOR THE ITEM 2023-09-28 18:03:50

AUTOMATIC UPDATES
HAVE BEEN PERFORMED No

ITEM LOCATION HISTORY

ITEM COPIED OR MOVED 2023-09-21 22:59:02
FROM C:\Users\Dean-LorenzSzumylo\Desktop\SERO_S7_Mapper\geodata\2_development\2023_v2_edition\A_Feature_Edits\SERO_S7CA_v2_D_Output.gdb
TO \\LYNK-CDFT1Z2\C\$\Users\Dean-LorenzSzumylo\Desktop\SERO_S7_Mapper\geodata\2_development\2023_v2_edition\B_Outputs\SERO_S7CA_v2_D_Output.gdb

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT

INDIVIDUAL'S NAME Dean-Lorenz Szumylo (Lynker)
ORGANIZATION'S NAME Lynker
CONTACT'S POSITION GIS Specialist, Program Manager
CONTACT'S ROLE point of contact

CONTACT INFORMATION ►

PHONE
VOICE 855-596-5371

ADDRESS
TYPE both
DELIVERY POINT 338 East Market St. Suite 100
CITY Leesburg
ADMINISTRATIVE AREA VA

POSTAL CODE 20175
COUNTRY US
E-MAIL ADDRESS dszumylo@lynker.com
E-MAIL ADDRESS dean.szumylo@noaa.gov

CONTACT INSTRUCTIONS
www.lynker.com

[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)

Metadata Maintenance ►

MAINTENANCE
DATE OF NEXT UPDATE 2025-10-01 00:00:00
UPDATE FREQUENCY as needed

MAINTENANCE CONTACT
INDIVIDUAL'S NAME Dean-Lorenz Szumylo (Lynker)
ORGANIZATION'S NAME Lynker
CONTACT'S POSITION GIS Specialist, Program Manager
CONTACT'S ROLE author

CONTACT INFORMATION ►

PHONE
VOICE 855-596-5371

ADDRESS
TYPE both
DELIVERY POINT 338 East Market St. Suite 100
CITY Leesburg
ADMINISTRATIVE AREA VA
POSTAL CODE 20175
COUNTRY US
E-MAIL ADDRESS dszumylo@lynker.com
E-MAIL ADDRESS dean.szumylo@noaa.gov

CONTACT INSTRUCTIONS
www.lynker.com

[Hide Contact information ▲](#)

[Hide Metadata Maintenance ▲](#)

Metadata Constraints ►

CONSTRAINTS
LIMITATIONS OF USE

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LIMITATIONS OF USE

*** Temporal Considerations *** Section 7 Consultation Areas are subject to change or modification. When changes to the Consultation Areas affect this dataset, it will be archived and replaced by an updated version as soon as feasible. It is the user's responsibility to ensure the most recent Consultation Area data are being used.

LIMITATIONS OF USE

*** Shorelines/Base Layers *** The accuracy of this dataset is dependent upon the accuracy and resolution of the datasets (e.g. shoreline, hydrography, bathymetry, shared administrative boundaries) used in the creation process. These data sources were selected for their suitability to a broad audience, and may not be suitable for specific uses requiring higher-resolution information. Coastlines and water body boundaries change. Unless otherwise noted, where the National Hydrography Dataset or NOAA Medium Resolution Shoreline is used, assume the boundary reaches the most current river, estuary, or coastal shoreline delineation available.

LEGAL CONSTRAINTS

LIMITATIONS OF USE

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and Atmospheric Administration (NOAA), National Marine Fisheries Service (NMFS), Southeast Regional Office (SERO) [producer] {GEODATABASE PUBLICATION DATE}.
<https://www.fisheries.noaa.gov/southeast/science-data/maps-geographic-information-systems-gis-data-southeast>

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Thumbnail and Enclosures ►

THUMBNAIL
THUMBNAIL TYPE JPG

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FGDC Metadata (read-only) ►

Entities and Attributes ►

DETAILED DESCRIPTION
ENTITY TYPE
ENTITY TYPE LABEL S7 Consultation Area
ENTITY TYPE DEFINITION

Southeast Region Consultation Areas for Section 7 of the Endangered Species Act
ENTITY TYPE DEFINITION SOURCE SERO

ATTRIBUTE
ATTRIBUTE LABEL RKMUPSRC
ATTRIBUTE DEFINITION

The upstream river kilometer (RKM) of the Consultation Area feature, based on the primary source's (not SERO) measurements of river distance

ATTRIBUTE DEFINITION SOURCE See [RKMSRC]
ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN
Distance (km) from calculated mouth of river

ATTRIBUTE
ATTRIBUTE LABEL SPNAME
ATTRIBUTE DEFINITION

Common Name of species affected within feature. Values represent 3-character species codes used for feature UNIQUEID.

ATTRIBUTE DEFINITION SOURCE SERO
ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE HWK
ENUMERATED DOMAIN VALUE DEFINITION

Sea turtle, Hawksbill
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO

ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE LTR
ENUMERATED DOMAIN VALUE DEFINITION

Sea turtle, Leatherback
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO

ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE BLU

ENUMERATED DOMAIN VALUE DEFINITION
Whale, Blue
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE FIN
ENUMERATED DOMAIN VALUE DEFINITION
Whale, Fin
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE GRN
ENUMERATED DOMAIN VALUE DEFINITION
Sea turtle, Green
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE SNS
ENUMERATED DOMAIN VALUE DEFINITION
Sturgeon, Shortnose
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE LOG
ENUMERATED DOMAIN VALUE DEFINITION
Sea turtle, Loggerhead
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE KMP
ENUMERATED DOMAIN VALUE DEFINITION
Sea turtle, Kemp's ridley
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE RYC
ENUMERATED DOMAIN VALUE DEFINITION
Whale, Rice's
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE SPM
ENUMERATED DOMAIN VALUE DEFINITION
Whale, Sperm
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE SEI
ENUMERATED DOMAIN VALUE DEFINITION
Whale, Sei
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE RIT
ENUMERATED DOMAIN VALUE DEFINITION
Whale, Right
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO
ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE ANS
ENUMERATED DOMAIN VALUE DEFINITION
Sturgeon, Atlantic
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO

ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE BOL
ENUMERATED DOMAIN VALUE DEFINITION
Coral, Boulder star
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO

ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE ELK
ENUMERATED DOMAIN VALUE DEFINITION
Coral, Elkhorn
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO

ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE LOB
ENUMERATED DOMAIN VALUE DEFINITION
Coral, Lobed star
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO

ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE MTN
ENUMERATED DOMAIN VALUE DEFINITION
Coral, Mountainous star
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO

ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE PLR
ENUMERATED DOMAIN VALUE DEFINITION
Coral, Pillar
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO

ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE RFF
ENUMERATED DOMAIN VALUE DEFINITION
Coral, Rough cactus
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO

ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE STG
ENUMERATED DOMAIN VALUE DEFINITION
Coral, Staghorn
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO

ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE GMR
ENUMERATED DOMAIN VALUE DEFINITION
Ray, Giant Manta
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO

ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE OWT
ENUMERATED DOMAIN VALUE DEFINITION
Shark, Oceanic whitetip
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE SHH
ENUMERATED DOMAIN VALUE DEFINITION
Shark, Scalloped hammerhead
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE STS
ENUMERATED DOMAIN VALUE DEFINITION
Sawfish, Smalltooth
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE GLF
ENUMERATED DOMAIN VALUE DEFINITION
Sturgeon, Gulf
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE NSG
ENUMERATED DOMAIN VALUE DEFINITION
Grouper, Nasssau
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE JSG
ENUMERATED DOMAIN VALUE DEFINITION
Seagrass, Johnsons
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO

ATTRIBUTE

ATTRIBUTE LABEL FRCIT
ATTRIBUTE DEFINITION
Federal Register Citation
ATTRIBUTE DEFINITION SOURCE SERO
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Free text

ATTRIBUTE

ATTRIBUTE LABEL WATERSHED
ATTRIBUTE DEFINITION
Major watershed name containing feature
ATTRIBUTE DEFINITION SOURCE SERO
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Free text

ATTRIBUTE

ATTRIBUTE LABEL RKMDNSER
ATTRIBUTE DEFINITION
The downstream river kilometer (RKM) of the Consultation Area feature, based on SERO's measurements of river distance
ATTRIBUTE DEFINITION SOURCE SERO
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Distance (km) from calculated mouth of river

ATTRIBUTE
ATTRIBUTE LABEL DPS
ATTRIBUTE DEFINITION
Distinct Population Segment (when applicable) of species affected within feature
ATTRIBUTE DEFINITION SOURCE SERO
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Free Text
ATTRIBUTE DOMAIN VALUES
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE Carolina DPS
ENUMERATED DOMAIN VALUE DEFINITION
Listed Atlantic sturgeon DPS
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
ESA
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE Central and Southwest Atlantic DPS
ENUMERATED DOMAIN VALUE DEFINITION
Listed Scalloped hammerhead shark DPS
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
ESA
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE U.S. DPS
ENUMERATED DOMAIN VALUE DEFINITION
Listed Smalltooth sawfish DPS
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
ESA
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE South Atlantic DPS
ENUMERATED DOMAIN VALUE DEFINITION
Listed Atlantic sturgeon DPS
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
ESA
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE Northwest Atlantic Ocean DPS
ENUMERATED DOMAIN VALUE DEFINITION
Listed loggerhead sea turtle DPS
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
ESA
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE North Atlantic DPS
ENUMERATED DOMAIN VALUE DEFINITION
Listed green sea turtle DPS
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
ESA
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE South Atlantic DPS
ENUMERATED DOMAIN VALUE DEFINITION
Listed green sea turtle DPS
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
ESA
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE Multiple DPS
ENUMERATED DOMAIN VALUE DEFINITION
More than one DPS mixing
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
SERO

ATTRIBUTE

ATTRIBUTE LABEL ESASTATUS

ATTRIBUTE DEFINITION

Endangered Species Act Listing Status for identified species

ATTRIBUTE DEFINITION SOURCE ESA

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE Endangered

ENUMERATED DOMAIN VALUE DEFINITION

Any species which is in danger of extinction throughout all or a significant portion of its range

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

Endangered Species Act of 1973

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE N/A

ENUMERATED DOMAIN VALUE DEFINITION

Field not applicable.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

SERO

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE Threatened

ENUMERATED DOMAIN VALUE DEFINITION

Any species which is likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

Endangered Species Act of 1973

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE Threatened/Endangered

ENUMERATED DOMAIN VALUE DEFINITION

All Distinct Population Segments (DPS) of a species may be present, but some DPSs are threatened while others are endangered.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

Endangered Species Act of 1973

ATTRIBUTE

ATTRIBUTE LABEL BEHAVIOR

ATTRIBUTE DEFINITION

Species behavior affected within feature. Values represent 3-character behavior codes used for feature UNIQUEID.

ATTRIBUTE DEFINITION SOURCE SERO

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Unique BBB code for species behaviors. Too many to list. See contacts for more information.

ATTRIBUTE

ATTRIBUTE LABEL NOTES

ATTRIBUTE DEFINITION

Additional details supporting or clarifying the Consultation Area boundaries or seasonality

ATTRIBUTE DEFINITION SOURCE SERO

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Free text

ATTRIBUTE

ATTRIBUTE LABEL LIFESTAGE

ATTRIBUTE DEFINITION

Species Life Stage affected within feature. Values represent 3-character life stage codes used for feature UNIQUEID.

ATTRIBUTE DEFINITION SOURCE SERO

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Unique LLL code for species life stages. Too many to list. See contacts for more information.

ATTRIBUTE

ATTRIBUTE LABEL RKMDNSRC

ATTRIBUTE DEFINITION

The downstream river kilometer (RKM) of the Consultation Area feature, based on the primary source's (not SERO) measurements of river distance

ATTRIBUTE DEFINITION SOURCE See [RKMSRC]

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Distance (km) from calculated mouth of river

ATTRIBUTE

ATTRIBUTE LABEL UNIQUEID

ATTRIBUTE DEFINITION

Internal Species-Zone-LifeStage-Behavior Identifier

ATTRIBUTE DEFINITION SOURCE SERO

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Free text field, structured as SSS_ZZZ_LLL_BBB, where SSS = 3-character species code, ZZZ = 3-character zone code, LLL = 3-character life stage code, BBB = 3-character behavior code

ATTRIBUTE

ATTRIBUTE LABEL SEASON2END

ATTRIBUTE DEFINITION

If the Consultation Area feature is only seasonally relevant, and there are multiple seasons (e.g., upstream migration, downstream migration), this field records the approximate end date of the relevant season occurring later in the year

ATTRIBUTE DEFINITION SOURCE SERO

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Date as MM/DD

ATTRIBUTE

ATTRIBUTE LABEL ZONE

ATTRIBUTE DEFINITION

Zone (river, estuary, or marine waters) containing feature. Unique 3-character zone abbreviations are used for feature UNIQUEID, but there are too many to list here, and more are added as needed.

ATTRIBUTE DEFINITION SOURCE SERO

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Unique ZZZ code for species zone. Too many to list. See contacts for more information.

ATTRIBUTE

ATTRIBUTE LABEL SEASON1END

ATTRIBUTE DEFINITION

If the Consultation Area feature is only seasonally relevant, this field records the approximate last date of the relevant season

ATTRIBUTE DEFINITION SOURCE SERO

ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Date as MM/DD

ATTRIBUTE

ATTRIBUTE LABEL SEASON1BEG
ATTRIBUTE DEFINITION
If the Consultation Area feature is only seasonally relevant, this field records the approximate start date of the relevant season
ATTRIBUTE DEFINITION SOURCE SERO
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Date as MM/DD

ATTRIBUTE

ATTRIBUTE LABEL DATECREATE
ATTRIBUTE DEFINITION
Date GIS feature was drawn, used for version tracking
ATTRIBUTE DEFINITION SOURCE SERO
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Date as MM/DD/YYYY

ATTRIBUTE

ATTRIBUTE LABEL CITATION
ATTRIBUTE DEFINITION
Primary sources contributing to delineation of Consultation Area
ATTRIBUTE DEFINITION SOURCE SERO
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Free text

ATTRIBUTE

ATTRIBUTE LABEL RKMSRC
ATTRIBUTE DEFINITION
The primary source citation used for [RKMDNSRC] and [RKMUPSRC] fields
ATTRIBUTE DEFINITION SOURCE Self-Referential
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Free text

ATTRIBUTE

ATTRIBUTE LABEL RKMUPGAR
ATTRIBUTE DEFINITION
The upstream river kilometer (RKM) of the Consultation Area feature, based on SERO's measurements of river distance
ATTRIBUTE DEFINITION SOURCE SERO
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Distance (km) from calculated mouth of river

ATTRIBUTE

ATTRIBUTE LABEL RECPLAN
ATTRIBUTE DEFINITION
Recovery Plan Citation
ATTRIBUTE DEFINITION SOURCE SERO
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN

Free text

ATTRIBUTE

ATTRIBUTE LABEL SEASON2BEG

ATTRIBUTE DEFINITION

If the Consultation Area feature is only seasonally relevant, and there are multiple seasons (e.g., upstream migration, downstream migration), this field records the approximate start date of the relevant season occurring later in the year

ATTRIBUTE DEFINITION SOURCE SERO

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Date as MM/DD

ATTRIBUTE

ATTRIBUTE LABEL SPLATIN

ATTRIBUTE DEFINITION

Scientific (Latin) Name of species affected within feature

ATTRIBUTE DEFINITION SOURCE SERO

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Free text. Scientific (latin) name of listed species identified in [SPNAME].

ATTRIBUTE

ATTRIBUTE LABEL SPGROUP

ATTRIBUTE DEFINITION

High-level grouping of species

ATTRIBUTE DEFINITION SOURCE SERO

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE Corals

ENUMERATED DOMAIN VALUE DEFINITION

Feature is relevant to listed coral species

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

SERO

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE Sea Turtles

ENUMERATED DOMAIN VALUE DEFINITION

Feature is relevant to a listed sea turtle species

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

SERO

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE Elasmobranchs

ENUMERATED DOMAIN VALUE DEFINITION

Feature is relevant to a listed sharks, rays, or sawfish

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

SERO

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE Cetaceans

ENUMERATED DOMAIN VALUE DEFINITION

Feature is relevant to a listed Large Whale species

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

SERO

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE Osteichthyes

ENUMERATED DOMAIN VALUE DEFINITION

Feature is relevant to a listed grouper or sturgeon

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

SERO

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE Seagrass

ENUMERATED DOMAIN VALUE DEFINITION

Feature is relevant to a listed seagrass species

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

SERO

ATTRIBUTE

ATTRIBUTE LABEL ZONEDIV

ATTRIBUTE DEFINITION

Subdivision description of zone, if not upstream/downstream RKM. Values may include coastal state or county names, or names of other sub units.

ATTRIBUTE DEFINITION SOURCE SERO

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Free text.

OVERVIEW DESCRIPTION

ENTITY AND ATTRIBUTE OVERVIEW

Entity Attributes provide reference information for the S7 Consultation Area represented. Attributes describe the species, zone, life stage, and behavior likely to be found within the delineated feature. Attributes also describe seasonality, upstream and downstream river extent (where applicable), and supporting primary source citations.

ENTITY AND ATTRIBUTE DETAIL CITATION

Entities and attributes are a product of the NOAA Fisheries Southeast Regional Office.

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