Oyster Habitats Florida

Identification Information:

Citation:

Citation Information:

Title: Oyster Habitats Florida
Geospatial Data Presentation Form: vector digital data
Online Linkage: http://geodata.myfwc.com/datasets/a78160f5acaf4439b49f9fbef4c100ac_5

Description:

Abstract: This GIS data set represents oyster coverage for available study areas in the state of Florida. Not all areas have been mapped, but this dataset represents the oyster data available to FWRI as of November, 2020. Source dates vary and many studies are much older than the compilation date. See the Source Information section for more details.
Purpose: This GIS data set was created to represent oysters for general mapping purposes only. Different studies used different methodologies and not all areas have been mapped.
Supplemental Information: Data were provided from the following sources: Apalachicola National Estuarine Reserach Reserve, Research Planning, Inc., U.S. Army Corps of Engineers, Suwannee River Water Management District, Florida Fish and Wildlife Conservation Commission, Palm Beach County, Scheda Ecological Associates, Inc and Rookery Bay National Estuarine Research Reserve, Northwest Florida Water Management District, Ibis Environmental, Inc., U.S. Geological Survey, South Florida Water Management District, Volety, A. and Savarese, M., Florida Gulf Coast University, University of New Hampshire and The Nature Conservancy, Loxahatchee River District, University of Central Florida, City of Naples, Florida Department of Agriculture and Consumer Services, Sarasota County, St. Johns River Water Management District, Southwest Florida Water Management District, US Fish and Wildlife Service National Wetlands Inventory, FDEP Indian River Lagoon Aquatic Preserves, Smithsonian Marine Station. More detailed citations are provided in the Source Contribution sections of the metadata. Prior to July 1, 2004, the Fish and Wildlife Research Institute (FWRI) was known as the Florida Marine Research Institute (FMRI). The institute name has not been changed in historical data sets or references to work completed by the Florida Marine Research Institute. The institute name has been changed in references to ongoing research, new research, and contact information.

Time Period of Content:

Time Period Information:

Range of Dates/Times:

Beginning Date: 19920101
Ending Date: 20200101

Currentness Reference: Ground condition

Status:

Progress: Complete
Maintenance and Update Frequency: None planned

Spatial Domain:

Bounding Coordinates:

West Bounding Coordinate: -86.918535
East Bounding Coordinate: -79.900781
North Bounding Coordinate: 30.405035
South Bounding Coordinate: 25.834097

Keywords:

Theme:

Theme Keyword Thesaurus: ISO 19115 Topic Category
Theme Keyword: biota

Theme:

Theme Keyword Thesaurus: FWC Theme
Theme Keyword: mapping
Theme Keyword: coastal
Theme Keyword: benthic
Theme Keyword: GIS

Place:

Place Keyword Thesaurus: Florida Counties
Place Keyword: Pasco
Place Keyword: Levy
Place Keyword: Manatee
Place Keyword: Indian River
Place Keyword: Pinellas
Place Keyword: Martin
Place Keyword: Dixie
Place Keyword: St. Lucie
Place Keyword: Palm Beach
Place Keyword: Brevard
Place Keyword: Franklin
Place Keyword: Gulf

Place Keyword: Taylor
Place Keyword: Hernando
Place Keyword: Jefferson
Place Keyword: Hillsborough
Place Keyword: Citrus
Place Keyword: Wakulla

Place:

Place Keyword Thesaurus: Water Management Districts
Place Keyword: Southwest Florida
Place Keyword: St. Johns River
Place Keyword: Northwest Florida
Place Keyword: South Florida
Place Keyword: Suwannee River

Place:

Place Keyword Thesaurus: FWC Place
Place Keyword: Florida

Place:

Place Keyword Thesaurus: FWC Regions
Place Keyword: Northwest
Place Keyword: South
Place Keyword: North Central
Place Keyword: Northeast
Place Keyword: Southwest

Access Constraints: Available without restriction. All data must be verified by Principal Investigator or Group Database Analyst prior to release. It is strongly recommended that this data is directly acquired from FWC and not indirectly through other sources which may have changed the data in some way. FWC makes no claims as to the data's suitability for other purposes.
Use Constraints: Acknowledgement of the FWC-FWRI (Florida Fish and Wildlife Conservation Commission-Fish and Wildlife Research Institute) as the data source would be appreciated in any products developed from these data, and such acknowledgment as is standard for citation and legal practices for data source is expected by users of this data. Please cite the original metadata when using portions of the record to create a similar record of slightly altered data, such as reprojection. If any data are modified or adjusted, please share the edited information with FWC. Users should be aware that comparison with other data sets for the same area from other time periods may be inaccurate due to inconsistencies resulting from changes in mapping conventions, data collection, and computer processes over time. FWC shall not be liable for improper or incorrect use of this data. These data are not legal documents and are not to be used as such. This is not a survey data set and should not be utilized as such. These data are not to be used for navigation.
Point of Contact:

Contact Information:

Contact Organization Primary:

Contact Organization: FWC-FWRI (Florida Fish and Wildlife Conservation Commission-Fish and Wildlife Research Institute)
Contact Person: GISLibrarian

Contact Position: GIS Data Librarian
Contact Address:

Address Type: mailing and physical
Address: Fish and Wildlife Research Institute
Address: 100 Eighth Avenue Southeast
City: St. Petersburg
State or Province: Florida
Postal Code: 33701

Contact Voice Telephone: 727-896-8626
Contact Facsimile Telephone: 727-893-1679
Contact Electronic Mail Address: GISLibrarian@MyFWC.com

Data Set Credit: These data are compiled data from various source organizations listed in the Source Citations.
Security Information:

Security Classification System: FWRI-DC
Security Handling Description: Available without restriction

Native Data Set Environment: ESRI ArcCatalog 9.3.0.1745

Data Quality Information:

Attribute Value Accuracy Information:

Attribute Accuracy Report: Attributes are accurate. All polygons have been reclassified as simply "oyster" - see source data sets for the original classification.

Logical Consistency Report: These data are logically consistent. Polygon topology is present and a topology was run with the "must not overlap" rule applied. All overlaps were dissolved.
Completeness Report: This data set is not complete for the state of Florida. It only represents oysters in areas where they have been mapped. If you know of another oyster mapping study to add to this compilation, please contact GISLibrarian@myfwc.com.
Positional Accuracy:

Horizontal Positional Accuracy:

Horizontal Positional Accuracy Report: Positional accuracy has not been tested for the compilation. See Source information for the accuracy of the source data sets.

Lineage:

Source Information:

Source Citation:

Citation Information:

Publication Date: 20170330
Title: seagrass_springscoast_2016

Source Scale Denominator: 12000
Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Multiple Dates/Times:

Single Date/Time:

Calendar Date: 20160101

Single Date/Time:

Calendar Date: 20160120

Single Date/Time:

Calendar Date: 20160301

Source Currentness Reference: ground condition

Source Citation Abbreviation: seagrass_springscoast_2016
Source Contribution: Oyster data (FLUCCS 6540) were selected from this dataset. All oyster polygons were included, completely replacing the previous 2007 data in the area. Oyster Bars using code of 6540. Areas 0.25 acre or greater in size this classification includes oyster bars / reefs and oyster shell hash. Both live and dead oyster habitat will be classified under this class if they achieve dominance within the cover type and meet the minimum mapping unit greater than 0.25 acre. Citation: Southwest Florida Water Management District. 2016. Seagrass data for 2016 in Springs Coast Florida. GIS, maps and Survey: Shapefile Library. http://data-swfwmd.opendata.arcgis.com/datasets/efff366cd06e4f6d85b2f3d96b572aff_22, accessed October 2017.

Source Information:

Source Citation:

Citation Information:

Publication Date: 20051202
Title: benthic_SRWMD_2001

Source Scale Denominator: 24000
Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Multiple Dates/Times:

Single Date/Time:

Calendar Date: 20011119

Single Date/Time:

Calendar Date: 20011121

Source Currentness Reference: ground condition

Source Citation Abbreviation: benthic_SRWMD_2001
Source Contribution: Oyster polygons coded 6540 were selected from this data set. The data were interpreted from 1:24,000 aerial photography. This data set only mapped oyster bars, oyster beds and oyster hash that make up the Waccasassa Reefs and Corrigan Reef. Other oyster bars within seagrass beds or tidal flats were not included. In areas overlapped by oyster polygons from the SRWMD landcover 2010-11, the more recent data were used. Citation: Suwannee River Water Management District. 2001b. Suwannee River Water Management District Seagrass 2001 Seagrass - Northern Big Bend. www.srwmd.state.fl.us/index.aspx?NID=319, accessed June 2017.

Source Information:

Source Citation:

Citation Information:

Publication Date: 20081219
Title: oysters_loxahatchee_2008

Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Single Date/Time:

Calendar Date: 20080101

Source Currentness Reference: ground condition

Source Citation Abbreviation: oysters_loxahatchee_2008
Source Contribution: This data set is used to supplement the 2011 US Army Corps of Engineers data in the Loxahatchee River - any overlaps were resolved in favor of the more recent 2011 data. Citation: Howard B, Arrington DA. 2008. Loxahatchee river water quality and biological monitoring. Task 2: final report. Assessment of 2007-2008 Loxahatchee river oyster mapping & recruitment. Loxahatchee River District. http://loxahatcheeriver.org/pdf/OY2007-08.pdf, accessed December 2017.

Source Information:

Source Citation:

Citation Information:

Publication Date: 20020927
Title: oysters_big_bend_poly

Source Scale Denominator: 24000
Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Single Date/Time:

Calendar Date: 20011101

Source Currentness Reference: ground condition

Source Citation Abbreviation: oysters_big_bend_poly
Source Contribution: Polygons oyster codes 6540 (oysters) and 6541 (oysters patchy) were reclassified as live oysters and 6542 (oysters remnant) was reclassified as dead. In areas overlapped by oyster polygons from the SRWMD landcover 2010-11, the more recent data were used. Citation: Suwannee River Water Management District. 2001. Suwannee River Water Management District Suwannee Estuary 2001 oyster habitat mapping project. www.srwmd.state.fl.us/index.aspx?NID=319, accessed May 2017.

Source Information:

Source Citation:

Citation Information:

Publication Date: 19860101
Title: benthic_apalachbay_poly_H

Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Range of Dates/Times:

Beginning Date: 19700101
Ending Date: 19850101

Source Currentness Reference: ground condition

Source Citation Abbreviation: benthic_apalachbay_poly_H
Source Contribution: This data set covers more of Apalachicola Bay than the 2006 USGS dataset. During the OIMMP project, local experts identified this as a historical map that is used to supplement the 2006 data. The COMMENTS field s used to identify polygons from this data set as historical data. Citation: Florida Fish and Wildlife Conservation Commission. 1986. Benthic Habitat Apalachicola Bay Florida Historic. Florida Marine Research Institute, St. Petersburg, Florida.

Source Information:

Source Citation:

Citation Information:

Publication Date: 20160601
Title: oysters_sarasota_2008_2012

Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Range of Dates/Times:

Beginning Date: 20080101
Ending Date: 20120101

Source Currentness Reference: ground condition

Source Citation Abbreviation: oysters_sarasota_2008_2012
Source Contribution: "Reef" polygons were included in the statewide compilation. This data set was used to supplement the 2018 SWFWMD oyster data that were also present in the area. Any overlaps were resolved in favor of the 2018 data. Citation: Meaux KL, Grimes JD, Perry JS, Janneman RA. 2016. Mapping

Oyster Habitat in Sarasota County Florida Waters. Sarasota County Water Atlas. http://www.sarasota.wateratlas.usf.edu/upload/documents/SC-Oyster-Mapping-Report_6-2-2016.pdf, accessed December, 2017.

Source Information:

Source Citation:

Citation Information:

Publication Date: 20040101
Title: oysters_caloosahatchee_2004

Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Single Date/Time:

Calendar Date: 20040101

Source Currentness Reference: publication date

Source Citation Abbreviation: oysters_caloosahatchee_2004
Source Contribution: All polygons from this dataset were used. Citation: Volety, A. and Savarese, M. 2004. GIS oyster reef mapping in the Caloosahatchee River and Estero Bay. South Florida Water Management District, Technical Report.

Source Information:

Source Citation:

Citation Information:

Publication Date: 20050101
Title: seagrass_santarosa_2003

Source Scale Denominator: 12000
Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Single Date/Time:

Calendar Date: 20030101

Source Currentness Reference: ground condition

Source Citation Abbreviation: seagrass_santarosa_2003
Source Contribution: Selected out the MOL category (oysters). Oysters were only mapped where verified by ground-truthing. These data used as-is. Seagrass Pensacola Bay and Santa Rosa Sound Florida 2003 Originator: U.S. Geological Survey, National Wetlands Research Center.

Source Information:

Source Citation:

Citation Information:

Publication Date: 20010503
Title: seagrass_esterobay_1999_H

Source Scale Denominator: 24000
Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Multiple Dates/Times:

Single Date/Time:

Calendar Date: 19991226

Single Date/Time:

Calendar Date: 19991209

Source Currentness Reference: ground condition

Source Citation Abbreviation: seagrass_esterobay_1999_H
Source Contribution: Oysters were mapped, in addition to seagrass for the study area Pine Island Sound, Matlacha Pass, San Carlos Bay, the lower Caloosahatchee River, and Estero Bay, in 1999. Polygons with oyster code 6540 (oysters) were used from this data set. In areas of overlap with 2004 Caloosahatchee and 2004 Estero, the more recent data were used. Citation: Florida Fish and Wildlife Conservation Commission and South Florida Water Management District 1999. Benthic Habitats of Estero Bay Area, Florida 1999 Geoform. https://data.noaa.gov/dataset/benthic-habitats-of-estero-bay-area-florida-1999-geoform, accessed June 2017.

Source Information:

Source Citation:

Citation Information:

Publication Date: 20190315
Title: Seagrass in 2018

Source Scale Denominator: 0
Type of Source Media: None
Source Citation Abbreviation: Seagrass in 2018
Source Contribution: Polygons coded 6540 were extracted from this data set and used to replace previous 2016 mapping data in Tampa Bay and to fill in data gaps. All oyster polygons from this data set were used. Citation: Southwest Florida Water Management District. 2020. Seagrass in 2018. GIS, maps and Survey: Shapefile Library. https://data-swfwmd.opendata.arcgis.com/datasets/seagrass-in-2018, accessed December 2020.

Source Information:

Source Citation:

Citation Information:

Publication Date: 20080101
Title: oysters_everglades

Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Multiple Dates/Times:

Single Date/Time:

Calendar Date: 20080101

Single Date/Time:

Calendar Date: 20040101

Single Date/Time:

Calendar Date: 19990101

Source Currentness Reference: ground condition

Source Citation Abbreviation: oysters_everglades
Source Contribution: All polygons in this data set are included as oyster polygons. Notes present in the source data regarding quality are included as comments. Citation: Volety AK, Savarese M, Hoye B, Loh AN. 2009a. Landscape pattern: Present and past distribution of oysters in south Florida coastal complex (Whitewater Bay/Oyster Bay/Shark to Robert's Rivers). Completed by Florida Gulf Coast University for the South Florida Water Management District. Fort Myers, Florida. https://www.researchgate.net/publication/234025368_Landscape_Pattern_Present_and_Past_Distribution_of_Oysters_in_South_Florida_Coastal_Complex_Whitewa accessed April 2017.

Source Information:

Source Citation:

Citation Information:

Publication Date: 20150101
Title: oysters_intertidal_apalachbay_2012

Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Single Date/Time:

Calendar Date: 20120101

Source Currentness Reference: ground condition

Source Citation Abbreviation: oysters_intertidal_apalachbay_2012
Source Contribution: Univeristy of New Hampshire mapped intertidal oyster reefs using 2012 satellite imagery. All polygons from thisd data set were used. Citation: Grizzle R, Ward K, Geselbracht L, Birch A. 2017. Apalachicola Bay Florida Intertidal Oyster (Crassostrea virginica) Reef Mapping and Characterization. Final Report to the Florida State Wildlife Grants Program

Source Information:

Source Citation:

Citation Information:

Publication Date: 20120801
Title: ESI Florida Panhandle (Invertebrates)

Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Single Date/Time:

Calendar Date: 20120101

Source Currentness Reference: publication date

Source Citation Abbreviation: ESI Florida Panhandle (Invertebrates)
Source Contribution: "Eastern Oyster" with a medium or high concentration was reselected from the panhandle ESI invertebrates dataset for Pensacola Bay, Choctawhatchee Bay, and St. Andrew Bay areas. Citation: Research Planning, Inc. 2012. Sensitivity of coastal environments and wildlife to spilled oil. West Florida Atlas. Prepared for the Florida Department of Environmental Protection. Tallahassee, Florida. http://ocean.floridamarine.org/esimaps/pdf/Panhandl/INDEX.pdf, accessed January 2018.

Source Information:

Source Citation:

Citation Information:

Title: Tampa Bay Oyster Reef Mapping 2020

Type of Source Media: None
Source Citation Abbreviation: Tampa Bay Oyster Reef Mapping 2020
Source Contribution: Source: FWRI, Tampa Bay Oyster Reef Mapping 2020. This mapping effort focused on previously unmapped oyster reefs located in Tampa Bay. This effort is intended as a supplement to previous aerial photointerpretation of oyster reefs conducted by the Southwest Florida Water Management District in 2018 (seagrass_swfwmd_2018). Imagery used for photointerpretation of oyster reefs included ESRI base imagery (NASA Blue Marble: Next Generation and icubed Nationwide Prime 1 m resolution imagery) and Google Earth version 7.3.3 satellite and aerial historic imagery. Only live oyster reefs on natural substrate were classified for this effort. Ground truthing is described in the full report, available at:
https://ocean.floridamarine.org/OIMMP/Resources/Tampa_Bay_Oyster_Mapping_2020.pdf

Source Information:

Source Citation:

Citation Information:

Publication Date: 20190101
Title: oyster_suwannee_fwri_2019

Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Single Date/Time:

Calendar Date: 20190101

Source Currentness Reference: ground condition

Source Citation Abbreviation: oyster_suwannee_fwri_2019
Source Contribution: Source: FWRI, Suwannee Sound Oyster Reef Mapping 2019. This mapping effort focused on previously unmapped intertidal oyster reefs located in tidal creeks and near-shore waters located to the north and south of the Suwannee River. This effort is intended as a supplement to previous aerial photointerpretation of oyster reefs conducted by AGRA Baymont, Inc. for the Suwannee River Water Management District (SRWMD) in 2001. Imagery used for photointerpretation of oyster reefs included Landsat imagery (USGS/NASA) and Florida Department of Transport mosaics (FDOT 2011-2014). Twelve percent of the reefs identified were visited for groundtruthing and it was determined the accuracy rate was 99%. This mapping effort did not separate between live and dead patches of oyster reef. Full report available: http://ocean.floridamarine.org/OIMMP/Resources/Suwannee River Oyster Mapping 2019.pdf

Source Information:

Source Citation:

Citation Information:

Title: benthic_rbnerr_2014

Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Single Date/Time:

Calendar Date: 20140101

Source Currentness Reference: ground condition

Source Citation Abbreviation: benthic_rbnerr_2014
Source Contribution: Polygons classified as 6540 "Oysters" from this data set were included. This data set replaces the previously mapped partial rbnerr data set. All oyster polygons from this data set were used (minimum mapping unit of 0.25 acres). Citation: Scheda Ecological Associates, Inc and Rookery Bay National Estuarine Research Reserve. 2015. Rookery Bay Watershed Engineering Research Project Task 3.6.3 – Final Report and Map. Tampa, Florida. https://rookerybay.org/images/learn/research-rm/RestoreRB_docs/7-Benthic.habitat.map.Task3.6.3FinalReport.pdf, accessed April 2017.

Source Information:

Source Citation:

Citation Information:

Publication Date: 20100601
Title: landuse_nwfwmd_2009_10

Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Range of Dates/Times:

Beginning Date: 20090101
Ending Date: 20100101

Source Currentness Reference: ground condition

Source Citation Abbreviation: landuse_nwfwmd_2009_10
Source Contribution: Polygons coded 6540 were extracted from this data set and used to replace 1992 oyster mapping within the area of the NWFWMD. All oyster polygons from this data set were used. Previous data from Apalachicola Bay (2006) and Santa Rosa Sound (2003) were retained in the compilation. Citation: Northwest Florida Water Management District 2010. Northwest Florida Water Management District Land Use Land Cover 2009–2010. www.fgdl.org/metadataexplorer/explorer.jsp, accessed June 2017.

Source Information:

Source Citation:

Citation Information:

Title: Florida Fish and Wildlife Conservation Commission, FDEP Indian River Lagoon Aquatic Preserves, and Smithsonian Marine Station 2018

Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Range of Dates/Times:

Beginning Date: 20160101
Ending Date: 20180101

Source Currentness Reference: ground condition

Source Citation Abbreviation: Florida Fish and Wildlife Conservation Commission, FDEP Indian River Lagoon Aquatic Preserves, and Smithsonian Marine Station 2018
Source Contribution: Indian River Lagoon, reefs are digitized on a periodic, ongoing basis (delineated by Trimble GPS). This dataset does not represent all oyster reefs within the study area. Source: FWC et al. (Florida Fish and Wildlife Conservation Commission, FDEP Indian River Lagoon Aquatic Preserves, and Smithsonian Marine Station). 2018. Central Indian River Lagoon Mapping Project. In prep.

Source Information:

Source Citation:

Citation Information:

Publication Date: 20170101
Title: oyster_westbay_2017

Type of Source Media: None
Source Citation Abbreviation: oyster_westbay_2017
Source Contribution: Restored oyster reefs mapped using sidescan sonar. All polygons from this source were used. Florida Fish and Wildlife Conservation Commission 2017. Side scan sonar of Oyster Reef Habitat Restoration in St. Andrew Bay, FL http://www.nfwf.org/gulf/Documents/fl-st-andrew-oyster-14.pdf

Source Information:

Source Citation:

Citation Information:

Publication Date: 20100101
Title: oysters_panhandle_fdacs

Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Single Date/Time:

Calendar Date: 20100101

Source Currentness Reference: publication date

Source Citation Abbreviation: oysters_panhandle_fdacs
Source Contribution: These data are from the Gulf States Marine Fisheries report "The Oyster Fishery of The Gulf of Mexico United States: A Regional Management Plan". These polygons are used in the Panhandle estuaries. Note: A set of hand-drawn oyster maps were created by FDACS personnel for the panhandle using NOAA navigation charts and verified in survey and monitoring efforts. These maps were then digitized by FWC to create the FDACS 2009 – 2010 dataset. While a report is not available regarding the methodology for the creation of these maps, these oyster maps were published in Section 17 of the Gulf States Marine Fisheries Commission Regional Management Plan (VanderKooy 2012). Citation: VanderKooy S. (ed). 2012. The Oyster Fishery of the Gulf of Mexico, United States: A Regional Management Plan – 2012 Revision. Publication No. 202, Gulf States Marine Fisheries Commission, Ocean Springs, Mississippi. http://www.gsmfc.org/publications/GSMFC%20Number%20202.pdf, accessed December 2017.

Source Information:

Source Citation:

Citation Information:

Publication Date: 20110501
Title: oysters_mosquitolagoon_2009_poly

Source Scale Denominator: 24000
Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Single Date/Time:

Calendar Date: 20090101

Source Currentness Reference: ground condition

Source Citation Abbreviation: oysters_mosquitolagoon_2009_poly
Source Contribution: Live, Dead, and Restored oyster reef polygons. Citation: Walters L, Garvis S. 2012. Mosquito Lagoon Oyster Habitat Mapping Project Final Report. Project No. CESU H5000070400. Prepared by the University of Central Florida for the National Park Service.

Source Information:

Source Citation:

Citation Information:

Title: landuse_srwmd_2010_11

Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Range of Dates/Times:

Beginning Date: 20100101
Ending Date: 20110101

Source Currentness Reference: ground condition

Source Citation Abbreviation: landuse_srwmd_2010_11
Source Contribution: Polygons coded 6540 "Oyster" were added to the compilation. All oyster polygons were included. Citation: Suwannee River Water Management District. 2011. Suwannee River Water Management District Land Use Land Cover 2010–2011. www.srwmd.state.fl.us/index.aspx?NID=319, accessed June 2017.

Source Information:

Source Citation:

Citation Information:

Publication Date: 20160101
Title: oysters_sjrwmd_2015

Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Range of Dates/Times:

Beginning Date: 20090101
Ending Date: 20160101

Source Currentness Reference: ground condition

Source Citation Abbreviation: oysters_sjrwmd_2015
Source Contribution: Oysters were mapped by the SJRWMD and UCF. All polygons were categorized as "oyster" and existing live/dead attribute information was preserved. All polygons from this source were used. Citation: St. Johns River Water Management District. 2016. Northern coastal basin intercoastal oysters map. www.arcgis.com/home/item.html?id=ac2979f9260e404f874a5f765daeaaa3, accessed April 2017.

Source Information:

Source Citation:

Citation Information:

Publication Date: 20110801
Title: benthic_SFestuaries_USACE_2011

Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Range of Dates/Times:

Beginning Date: 20100101
Ending Date: 20110101

Source Currentness Reference: ground condition

Source Citation Abbreviation: benthic_SFestuaries_USACE_2011
Source Contribution: Data classified as "oyster" were used from this data set. All polygons from this data set in the St. Lucie and Loxahatchee River areas were used in the compilation. In the Caloosahatchee River area, local experts through the OIMMP project identified oyster_caloosahatchee_2004 (Volety and Savarese) as a more representative source. Citation: U.S. Army Corps of Engineers. 2011. Benthic habitat mapping and substrate characterization in the northern estuaries, Florida. Prepared by Dial Cordy and Associates, Inc. http://141.232.10.32/pm/ssr_2014/docs/ne_benthic_substrate_2011.pdf, accessed December 2017.

Source Information:

Source Citation:

Citation Information:

Publication Date: 20040101
Title: oysters_StLucieEstuary_2003

Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Single Date/Time:

Calendar Date: 20040101

Source Currentness Reference: ground condition

Source Citation Abbreviation: oysters_StLucieEstuary_2003
Source Contribution: This is a polygon file containing data for an oyster survey conducted in fall 2003 in the St. Lucie Estuary, Florida. Oyster bed perimeter was mapped using GPS. No oysters were mapped in channel areas greater than 8 feet deep since initial grid-based surveys did not find evidence of oysters at that depth. LIVE_BED attribute indicated whether a bed was live or not and this was translated into the OYSTER attribute. In areas of overlap with 2011 SFWMD data, the more recent data were used. Citation: Ibis Environmental, Inc. 2004. 2003 St. Lucie Estuary American Oyster mapping study. Prepared for the South Florida Water Management District, West Palm Beach, Florida.

Source Information:

Source Citation:

Citation Information:

Title: oysters_sebastian_2006_poly

Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Range of Dates/Times:

Beginning Date: 20051115
Ending Date: 20060329

Source Currentness Reference: ground condition

Source Citation Abbreviation: oysters_sebastian_2006_poly
Source Contribution: This data set includes the location and coverage area of most major oyster reefs within the Sebastian River. Each oyster reef was mapped using Real-Time Kinematic GPS (RTK GPS). Transect surveys were conducted at 1-m intervals across the face of the reef, perpendicular to the long-axis of the reef and extending from border to border. The latitude, longitude and height (elevation) data for each 1-m interval were collected using the RTK GPS rover unit. No data points were taken outside the perimeter of the reef. There were several small polygons that were DISSOLVEd by FWRI to remove overlap. Percent live/dead was recorded in the source data. A polygon is classified as a live bed if any live oysters were found within it. Citation: Gambordella M, McEachron L, Beals C, Arnold WS. 2007. Establishing baselines for monitoring the response of oysters in southeast Florida to changes in freshwater input. Florida Fish and Wildlife Conservation Commission, St. Petersburg, FL.

Source Information:

Source Citation:

Citation Information:

Publication Date: 20070101
Title: oysters_apalachbay_2006_poly

Source Scale Denominator: 30000
Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Multiple Dates/Times:

Single Date/Time:

Calendar Date: 20070101

Single Date/Time:

Calendar Date: 20060101

Source Currentness Reference: publication date

Source Citation Abbreviation: oysters_apalachbay_2006_poly
Source Contribution: We used all "dredge/oyster" and "oyster" from this data set. The interpretation is based on the sidescan sonar imagery, the bathymetry, available sediment sample information, and seafloor observations. Citation: Twichell DC, Andrews BD, Edmiston HL, Stevenson, WR. 2007. Geophysical mapping of oyster habitats in a shallow estuary; Apalachicola Bay, Florida. U.S. Geological Survey. https://pubs.er.usgs.gov/publication/ofr20061381 , accessed February 2018.

Source Information:

Source Citation:

Citation Information:

Publication Date: 19920101
Title: oysters_nw_fl_1992

Source Scale Denominator: 24000
Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Range of Dates/Times:

Beginning Date: 19920101
Ending Date: 19930101

Source Currentness Reference: ground condition

Source Citation Abbreviation: oysters_nw_fl_1992
Source Contribution: This data set gives oyster polygons in the Panhandle and Big Bend areas, interpreted from 1:24,000 natural color aerial photography. It is not an exhaustive mapping effort of oysters, as oysters were only mapped in areas where seagrass was also mapped. There are local areas where more recent mapping efforts have been completed. This data set was used only in areas where no more recent data were available. Citation: U.S. Geological Survey. 1992. Northeastern Gulf of Mexico seagrass mapping project. USGS National Wetlands Research Center.

Source Information:

Source Citation:

Citation Information:

Publication Date: 20060101
Title: oysters_naples_poly

Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Single Date/Time:

Calendar Date: 20050101

Source Currentness Reference: ground condition

Source Citation Abbreviation: oysters_naples_poly
Source Contribution: "Oyster Reef" and "Low Density Oyster Clumping" were categorized as "Oyster". All polygons from this data source were used. This data set was a compilation of multiple sources by City of Naples Natural Resources Department. In ares where two of the sources provided were overlapping, the more recent source was used. Additional oyster polygons digitized by City of Naples Natural Resources Department were also included. Citation: City of Naples. 2005. Oyster Reefs GIS data. http://g.naplesgov.com/cityofnaplesgis/data.html, accessed June 2009.

Source Information:

Source Citation:

Citation Information:

Publication Date: 20080429
Title: benthic_palmbeach_inshr_2007

Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Single Date/Time:

Calendar Date: 20070101

Source Currentness Reference: ground condition

Source Citation Abbreviation: benthic_palmbeach_inshr_2007
Source Contribution: Polygons with FLUCCS code 6540 (oyster bars/reef) were selected and classified as "oyster". These data were ERASEd with the extent of the 2011 USACE data, so that in areas of overlap, the more recent data were used. Citation: Palm Beach County. 2008. Final project report for the Palm Beach County 2007 habitat mapping project. Prepared by Avineon Inc. www.oyster-restoration.org/wp-content/uploads/2012/06/2007_PBC_Estuarine_Habitat_Mapping_FinalReport.pdf, accessed June 2015.

Source Information:

Source Citation:

Citation Information:

Publication Date: 20180101
Title: Apalachicola NERR, CM Snyder

Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Single Date/Time:

Calendar Date: 20180101

Source Currentness Reference: publication date

Source Citation Abbreviation: Apalachicola NERR, CM Snyder
Source Contribution: Caitlin Snyder digitized historic "half Moon Plant" in East Bay (Apalachicola). This single polygon is the most representative of the current state of this feature.

Source Information:

Source Citation:

Citation Information:

Publication Date: 20040101
Title: oysters_estero_2004

Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Single Date/Time:

Calendar Date: 20040101

Source Currentness Reference: publication date

Source Citation Abbreviation: oysters_estero_2004
Source Contribution: All polygons from this data source were used. Citation: Volety, A. and Savarese, M. 2004. GIS oyster reef mapping in the Caloosahatchee River and Estero Bay. South Florida Water Management District, Technical Report.

Source Information:

Source Citation:

Citation Information:

Publication Date: 20170601
Title: wetland_fl_nwi_poly

Source Scale Denominator: 24000
Type of Source Media: None
Source Time Period of Content:

Time Period Information:

Single Date/Time:

Calendar Date: 19990101

Source Currentness Reference: ground condition

Source Citation Abbreviation: wetland_fl_nwi_poly
Source Contribution: Oyster data from the National Wetlands Inventory dataset were used in SW Florida where no more recent data were available. NWI (National Wetlands Inventory). 1999. NWI surface waters and wetlands mapper. https://www.fws.gov/wetlands/data/Mapper.html, accessed June 2017.

Process Step:

Process Description:

Oyster polygons were selected from the source data sets. Each file was given new attributes to classify based on its source data set and the date of th

Process Date: 20080701
Process Contact:

Contact Information:

Contact Person Primary:

Contact Person: GISLibrarian

Contact Position: GISLibrarian
Contact Address:

Address Type: mailing and physical
Address: Fish and Wildlife Research Institute
Address: 100 Eighth Avenue Southeast
City: St. Petersburg
State or Province: Florida
Postal Code: 33701

Contact Voice Telephone: 727-896-8626
Contact Facsimile Telephone: 727-893-1679
Contact Electronic Mail Address: GISLibrarian@MyFWC.com

Process Step:

Process Description:

Oysters for Estero Bay area were added to the compilation.

Process Date: 20080901

Process Step:

Process Description:

Oysters from 2003 Pensacola Bay and Santa Rosa Sound, and 2007 SJRWMD were added to the compilation.

Process Date: 20090330

Process Step:

Process Description:

Oysters for Springs Coast were added to the compilation

Process Date: 20090601

Process Step:

Process Description:

Oysters from the Rookery Bay dataset were added to the compilation. Additional polygons are present in the source data, labeled "Sparse SAV or Oyster".

Process Date: 20100401

Process Step:

Process Description:

Oysters from the Mosquito Lagoon 2009 data set were added to the compilation. An additional attribute 'OYSTER' was added to indicate whether a bed is l

Process Date: 20111114

Process Step:

Process Description:

Oysters from Palm Beach County 2007, Naples 2006, and USACE 2011 were added to the compilation.

Process Date: 20150401

Process Step:

Process Description:

Features from the oysters_nw_fl_1992 source in the vicinity of Cedar Key were rectified spatially due to noticable locational errors between the digita

Process Date: 20170101

Process Step:

Process Description:

Features were added from the oyster_sjrwmd_2015 dataset. All features from this source were used. 3 small overlaps present in the source data were corr

Process Date: 20170221

Process Step:

Process Description:

Oyster data from the 2016 SWFWMD seagrass mapping and the 2009-10 NWFWMD land use land cover dataset were added.

Process Date: 20170501

Process Step:

Process Description:

Oyster data from SRWMD 2010-11 landuse, the Everglades, and Rookery Bay NERR (2014) were added.

Process Date: 20170613

Process Step:

Process Description:

Oyster data from NWFWMD 2006-2007 landuse were added in the St. Andrew Bay area.

Process Date: 20170728

Process Step:

Process Description:

Oyster data for 2016 in the Springs Coast area were added. This completely replaces the previous 2007 mapping in the Springs Coast area.

Process Date: 20171010

Process Step:

Process Description:

After consultation with local experts through the OIMMP project, USACE 2011 data in the Caloosahatchee River area were removed and replaced with data f

Process Date: 20180117

Process Step:

Process Description:

Oyster data added from ESI panhandle (2012), with the exception of "LOW" concentration areas. Data added from 2010 FDACS. Oyster "Reef" data added from

Process Date: 20180511

Process Step:

Process Description:

Oyster polygons from "landuse_nwfwmd_2006_07" were removed from St. Andrew Bay, as these areas were later identified as sand. Restored oyster polygons

Process Date: 20180701

Process Step:

Process Description:

In SW Florida oyster from National Wetlands Inventory were added to the compilation. In this area, the wetland data were created from 1999 source image

Process Date: 20181121

Process Step:

Process Description:

Oyster polygons from the Indian River Lagoon (2018) were added.

Process Date: 20190122

Process Step:

Process Description:

The 2019 FWRI Suwannee oyster dataset was added to the statewide dataset.

Process Date: 20191106

Process Step:

Process Description:

Oyster data for 2018 from the Southwest Florida Water Management District were added. 2020 data for Tampa Bay from the FWC's Fish and Wildlife Research

Process Date: 20201211

Spatial Data Organization Information:

Direct Spatial Reference Method: Vector

Entity and Attribute Information:

Detailed Description:

Entity Type:

Entity Type Label: oyster_fl_poly
Entity Type Definition: This data set represents mapped oysters in Florida.
Entity Type Definition Source: Producer defined.

Attribute:

Attribute Label: OBJECTID
Attribute Definition: Internal feature number.
Attribute Definition Source: Esri
Attribute Domain Values:

Unrepresentable Domain: Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute Label: COMMENTS
Attribute Definition: Additional comments from source dataset.
Attribute Definition Source: FWRI
Attribute Domain Values:

Unrepresentable Domain: Additional comments from source dataset.

Attribute:

Attribute Label: SHAPE
Attribute Definition: Feature geometry.
Attribute Definition Source: ESRI
Attribute Domain Values:

Unrepresentable Domain: Coordinates defining the features.

Attribute:

Attribute Label: DESCRIPT
Attribute Definition: Description of polygon features.
Attribute Definition Source: Producer defined.
Attribute Domain Values:

Unrepresentable Domain: "Oyster"

Attribute:

Attribute Label: SOURCEDATE
Attribute Definition: Date of source.
Attribute Definition Source: Producer defined.
Attribute Domain Values:

Unrepresentable Domain: Date of source.

Attribute:

Attribute Label: METADATA
Attribute Definition: Source metadata title.
Attribute Definition Source: Producer defined.
Attribute Domain Values:

Unrepresentable Domain: Metadata title.

Attribute:

Attribute Label: OYSTER
Attribute Definition: Indicates whether a reef contains live, dead, or restored oysters. This field is only populated if this information was present in the source data.
Attribute Definition Source: FWRI
Attribute Domain Values:

Enumerated Domain:

Enumerated Domain Value: Live
Enumerated Domain Value Definition: Live oysters
Enumerated Domain Value Definition Source: FWRI

Attribute Domain Values:

Enumerated Domain:

Enumerated Domain Value: Dead
Enumerated Domain Value Definition: Dead, remnant oyster reef
Enumerated Domain Value Definition Source: FWRI

Attribute Domain Values:

Enumerated Domain:

Enumerated Domain Value: Restored
Enumerated Domain Value Definition: Restored oyster reef
Enumerated Domain Value Definition Source: FWRI

Attribute:

Attribute Label: Shape_Length
Attribute Definition: Length of feature in internal units.
Attribute Definition Source: Esri
Attribute Domain Values:

Unrepresentable Domain: Positive real numbers that are automatically generated.

Attribute:

Attribute Label: Shape_area
Attribute Definition: Area of feature in internal units squared.

Attribute Definition Source: Esri
Attribute Domain Values:

Unrepresentable Domain: Positive real numbers that are automatically generated.

Distribution Information:

Distributor:

Contact Information:

Contact Organization Primary:

Contact Organization: FWC-FWRI (Florida Fish and Wildlife Conservation Commission-Fish and Wildlife Research Institute)
Contact Person: GISLibrarian

Contact Position: GIS Data Librarian
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Address Type: mailing and physical
Address: 100 Eighth Avenue Southeast
Address: Fish and Wildlife Research Institute
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Postal Code: 33701

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Standard Order Process:

Digital Form:

Digital Transfer Information:

Format Name: SHP
Transfer Size: 0.033

Digital Transfer Option:

Online Option:

Computer Contact Information:

Network Address:

Network Resource Name: http://research.myfwc.com/

Fees: None. However, persons or organizations requesting information must provide transfer media if FTP is not available and must pay express shipping costs if express shipping is required.
Ordering Instructions: Contact GIS Librarian by e-mail, telephone, or letter explaining which products are needed and providing a brief description of how the products will be used. Also, provide name and address of the person or organization requesting the products.
Turnaround: Usually within 10 business days, although, complex requests may take longer

Metadata Reference Information:

Metadata Date: 20201214
Metadata Contact:

Contact Information:

Contact Organization Primary:

Contact Organization: FWC-FWRI (Florida Fish and Wildlife Conservation Commission-Fish and Wildlife Research Institute)
Contact Person: GISLibrarian

Contact Position: GIS Data Librarian
Contact Address:

Address Type: mailing and physical
Address: Fish and Wildlife Research Institute
Address: 100 Eighth Avenue Southeast
City: St. Petersburg
State or Province: Florida
Postal Code: 33701

Contact Voice Telephone: 727-896-8626
Contact Facsimile Telephone: 727-893-1679
Contact Electronic Mail Address: GISLibrarian@MyFWC.com

Metadata Standard Name: FGDC Content Standard for Digital Geospatial Metadata

Metadata Standard Version: FGDC-STD-001-1998
Metadata Time Convention: local time
Metadata Access Constraints: No restrictions on metadata
Metadata Use Constraints: Metadata must be distributed with the data set.
Metadata Security Information:

Metadata Security Classification System: FWRI-MC
Metadata Security Handling Description: Metadata must be distributed with the data set.