

# Unified Florida Coral Reef Tract Map v2.0

Metadata also available as

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- [Spatial Data Organization Information](#)
- [Entity and Attribute Information](#)
- [Distribution Information](#)
- [Metadata Reference Information](#)

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### *Identification\_Information:*

*Citation:*

*Citation\_Information:*

*Originator:*

Florida Fish and Wildlife Conservation Commission-Fish and Wildlife Research Institute

*Title:* Unified Florida Coral Reef Tract Map v2.0

*Geospatial\_Data\_Presentation\_Form:* vector digital data

*Publication\_Information:*

*Publication\_Place:* Saint Petersburg, FL

*Publisher:* FWRI

*Online\_Linkage:* <<http://myfwc.com/research/>>

*Online\_Linkage:*

<<http://ocean.floridamarine.org/IntegratedReefMap/UnifiedReefTract.htm>>

*Description:*

*Abstract:*

The Unified Florida Reef Tract Map (Unified Reef Map) provides a consistent geospatial framework for management, monitoring, and characterization of the Florida reef tract from Martin County to the Dry Tortugas. The Unified Reef Map integrates existing benthic habitat maps of Martin, Palm Beach, Broward, and Miami Counties, Biscayne National Park, Florida Bay, and the Florida Keys, including the Dry Tortugas. This map of the seafloor uses a Unified Classification (UC) system to provide a common and consistent picture of the entire area while retaining the original detailed information specific to different source maps. The UC contains five levels of seafloor classification detail providing flexibility in the scope of analysis. UC Level 0 is the coarsest classification level that provides a consistent view of the entire area. UC Level 4 retains full seafloor description details from source maps which are not necessarily consistent for all areas. Where mapping projects spatially overlap, data are edited to create a seamless and consistent transition. Existing seafloor classification values are also cross-walked to the Coastal and Marine Ecological Classification Standard (CMECS).

*Purpose:*

The purpose of this map product is to provide a seamless spatial representation of the Florida Keys Reef Tract and surrounding area benthos with a classification system that unifies the various source classification schemes while retaining the original information. Individual source maps cross-walked to the unified classification without spatial edits (retaining overlap and unmatched seams) are also available. Please refer to the technical report accompanying this dataset for detailed information and dataset use recommendations.

*Supplemental\_Information:*

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.

*Status:*

*Progress:* Complete

*Maintenance\_and\_Update\_Frequency:* Continually

*Spatial\_Domain:*

*Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -83.102217

*East\_Bounding\_Coordinate:* -80.052258

*North\_Bounding\_Coordinate:* 26.021202

*South\_Bounding\_Coordinate:* 24.316294

*Keywords:*

*Theme:*

*Theme\_Keyword\_Thesaurus:* EPA GIS Keyword Thesaurus

*Theme\_Keyword:* Ecology

*Theme:*

*Theme\_Keyword\_Thesaurus:* FWRITheme

*Theme\_Keyword:* mapping

*Theme\_Keyword:* marine

*Theme\_Keyword:* benthic

*Theme\_Keyword:* habitat (rivers

*Theme\_Keyword:* estuaries

*Theme\_Keyword:* ecology

*Theme\_Keyword:* hard bottom)

*Theme\_Keyword:* coastal

*Theme\_Keyword:* corals (reefs

*Theme\_Keyword:* etc.)

*Theme\_Keyword:* GIS

*Theme\_Keyword:* marine vegetation (mangroves

*Theme\_Keyword:* seagrasses

*Theme\_Keyword:* seaweeds

*Theme\_Keyword:* sea oats)

*Theme:*

*Theme\_Keyword\_Thesaurus:* ISO 19115 Topic Category

*Theme\_Keyword:* biota

*Theme\_Keyword:* oceans

*Theme\_Keyword:* environment

*Theme:*

*Theme\_Keyword\_Thesaurus:* ISO 19115 Topic Categories

*Theme\_Keyword:* biota

*Theme\_Keyword:* environment

*Theme\_Keyword:* oceans

*Theme\_Keyword:* inlandWaters

*Place:*

*Place\_Keyword\_Thesaurus:* Water Management Districts

*Place\_Keyword:* South Florida Water Management District

*Place:*

*Place\_Keyword\_Thesaurus:* FWC Region

*Place\_Keyword:* FWC Region-South

*Place:*

*Place\_Keyword\_Thesaurus:* FWRIplace

*Place\_Keyword:* Florida Keys National Marine Sanctuary

*Place\_Keyword:* Florida

*Place\_Keyword:* Florida Keys

*Place\_Keyword:* Florida Bay

*Place\_Keyword:* south Florida

*Place:*

*Place\_Keyword\_Thesaurus:* Florida Counties

*Place\_Keyword:* Monroe

*Place\_Keyword:* Dade

*Place:*

*Place\_Keyword\_Thesaurus:* Florida Waterbodies

*Place\_Keyword:* Gulf of Mexico

*Place\_Keyword:* Atlantic Ocean

*Place\_Keyword:* Florida Bay

*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:*

Florida Fish and Wildlife Conservation Commission-Fish and Wildlife Research Institute

*Contact\_Person:* GISLibrarian@MyFWC.com

*Contact\_Address:*

*Address\_Type:* mailing and physical

*Address:*

Fish and Wildlife Research Institute 100 Eighth Avenue Southeast

*City:* St. Petersburg

*State\_or\_Province:* FL

*Postal\_Code:* 33701

*Contact\_Voice\_Telephone:* 727-896-8626

*Security\_Information:*

*Security\_Handling\_Description:* Available without restriction

*Native\_Data\_Set\_Environment:* ArcGIS Geodatabase 10.4

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*Data\_Quality\_Information:*

*Attribute\_Accuracy:*

*Attribute\_Accuracy\_Report:*

All entities and attributes have been identified. A comparison between the 1:24,000-scale maps of the compiled data and the original delineated photos to determine the positional accuracy of polygonal shapes and attributes was part of the QC process (see process step).

*Logical\_Consistency\_Report:*

The data were verified for logical consistency between field values.

*Completeness\_Report:* This is a versioned product that will be continually updated.

*Positional\_Accuracy:*

*Horizontal\_Positional\_Accuracy:*

*Horizontal\_Positional\_Accuracy\_Report:*

All spatial edits were performed using the best available imagery, in situ observation data, high resolution bathymetric data and earlier benthic maps. See source map metadata for positional accuracy reports specific to source data. Individual source map feature classes can be cross-referenced using the Source field.

*Lineage:*

*Source\_Information:*

*Source\_Citation:*

*Citation\_Information:*

*Originator:* National Park Service

*Title:* Benthic Habitats Dry Tortugas Florida 2010

*Source\_Scale\_Denominator:* 0

*Type\_of\_Source\_Media:* None

*Source\_Citation\_Abbreviation:* Benthic Habitats Dry Tortugas Florida 2010

*Source\_Information:*

*Source\_Citation:*

*Citation\_Information:*

*Originator:* Nova Southeastern University Oceanographic Center

*Title:* Benthic Habitats Offshore Palm Beach County Florida 2002

*Source\_Scale\_Denominator:* 0

*Type\_of\_Source\_Media:* None

*Source\_Citation\_Abbreviation:* Benthic Habitats Offshore Palm Beach County Florida 2002

*Source\_Information:*

*Source\_Citation:*

*Citation\_Information:*

*Originator:*

NOAA and Miles Anderson, Analytical Laboratories of Hawaii and Richard Eastlake, Photo Science Inc., NOAA NOS NCCOS, CCMA

*Publication\_Date:* 20120101

*Title:*

Benthic Habitats of Florida Keys Derived From IKONOS satellite imagery

*Source\_Scale\_Denominator:* 0

*Type\_of\_Source\_Media:* None

*Source\_Citation\_Abbreviation:*

Benthic Habitats of Florida Keys Derived From IKONOS satellite imagery

*Source\_Information:*

*Source\_Citation:*

*Citation\_Information:*

*Originator:* FWC

*Title:* Hawk Channel

*Publication\_Information:*

*Publisher:* FWC FWRI

*Other\_Citation\_Details:*

This is a final draft of the Hawk Channel benthic map. Accuracy Assessment is planned to be completed next year. Benthic type was interpreted using side-scan sonar and LiDAR reflectance and relative depth data. WorldView-2 satellite imagery and aerial photography were also used to aid in classification. Polygons were heads up digitized into a Geodatabase using ArcMap 10.2. In situ observations were used to inform photo interpretation.

*Online\_Linkage:* WorldView-2 Imagery 9/2010, 7/2011, 10/2012, 1/2013, 7/2013

*Online\_Linkage:* FWC Side-scan sonar 2012 and 2013

*Source\_Scale\_Denominator:* 0

*Type\_of\_Source\_Media:* None

*Source\_Citation\_Abbreviation:* Hawk Channel

*Source\_Information:*

*Source\_Citation:*

*Citation\_Information:*

*Originator:* National Park Service  
*Title:* Biscayne National Park 2005 - 2013  
*Source\_Scale\_Denominator:* 0  
*Type\_of\_Source\_Media:* None  
*Source\_Citation\_Abbreviation:* Biscayne National Park 2005 - 2013  
*Source\_Information:*  
*Source\_Citation:*  
*Citation\_Information:*  
*Originator:* Coastal Planning & Engineering, Inc.  
*Publication\_Date:* 20110101  
*Title:* Benthic Habitats Marquesas-Quicksands Florida 2006  
*Source\_Scale\_Denominator:* 0  
*Type\_of\_Source\_Media:* None  
*Source\_Citation\_Abbreviation:* Benthic Habitats Marquesas-Quicksands Florida 2006  
*Source\_Information:*  
*Source\_Citation:*  
*Citation\_Information:*  
*Originator:*  
Florida Fish and Wildlife Conservation Commission-Fish and Wildlife Research Institute  
*Publication\_Date:* 20050101  
*Title:* Benthic Habitats Florida Bay 2004  
*Source\_Scale\_Denominator:* 0  
*Type\_of\_Source\_Media:* None  
*Source\_Citation\_Abbreviation:* Benthic Habitats Florida Bay 2004  
*Source\_Information:*  
*Source\_Citation:*  
*Citation\_Information:*  
*Originator:* Nova Southeastern University Oceanographic Center  
*Publication\_Date:* 20040101  
*Title:* Benthic Habitats Broward County Florida 2004  
*Source\_Scale\_Denominator:* 0  
*Type\_of\_Source\_Media:* None  
*Source\_Citation\_Abbreviation:* Benthic Habitats Broward County Florida 2004  
*Source\_Information:*  
*Source\_Citation:*  
*Citation\_Information:*  
*Originator:* FWC  
*Title:* Boca Grande Channel  
*Publication\_Information:*  
*Publisher:* FWC FWRI  
*Other\_Citation\_Details:*  
This is a final draft of the Boca Grande Channel benthic map. Accuracy Assessment is planned to be completed next year. Benthic type was interpreted using side-scan sonar and LiDAR reflectance and relative depth data. WorldView-2 satellite imagery and aerial photography were also used to aid in classification. Polygons were heads up digitized into

a Geodatabase using ArcMap 10.2. In situ observations were used to inform photo interpretation.

*Online\_Linkage:* FWC Side-scan sonar 2012 and 2013

*Online\_Linkage:* WorldView-2 satellite Imagery

*Online\_Linkage:* NOAA LiDAR 2012

*Source\_Scale\_Denominator:* 0

*Type\_of\_Source\_Media:* None

*Source\_Citation\_Abbreviation:* Boca Grande Channel

*Source\_Information:*

*Source\_Citation:*

*Citation\_Information:*

*Originator:* FWC

*Title:* Benthic Habitats South Florida 1991 - 2001

*Source\_Scale\_Denominator:* 50000

*Type\_of\_Source\_Media:* None

*Source\_Citation\_Abbreviation:* Benthic Habitats South Florida 1991 - 2001

*Source\_Contribution:* Used to fill in a few minor data gaps

*Source\_Information:*

*Source\_Citation:*

*Citation\_Information:*

*Originator:* FWC/National Park Service

*Title:*

Benthic Habitats Biscayne Bay 2005 - 2008 (Biscayne Bay aquatic preserve - northern portion)

*Source\_Scale\_Denominator:* 0

*Type\_of\_Source\_Media:* None

*Source\_Citation\_Abbreviation:*

Benthic Habitats Biscayne Bay 2005 - 2008 (Biscayne Bay aquatic preserve - northern portion)

*Source\_Information:*

*Source\_Citation:*

*Citation\_Information:*

*Originator:* FWC

*Title:* North Keys/Backcountry FWC

*Publication\_Information:*

*Publisher:* FWC FWRI

*Other\_Citation\_Details:*

This is a final draft of the North Keys/Backcountry FWC benthic map. This map has not been assessed for accuracy. Benthic type was interpreted using the best available satellite and aerial imagery, LiDAR data, and in situ observations where available. WorldView-2 and Geo-Eye satellite imagery and aerial photography were also used to aid in classification. Polygons were heads up digitized into a Geodatabase using ArcMap 10.2.

*Online\_Linkage:* NOAA LiDAR 2012

*Online\_Linkage:* WorldView-2 satellite Imagery

*Online\_Linkage:* GeoEye-1 satellite Imagery

*Source\_Scale\_Denominator:* 0

*Type\_of\_Source\_Media:* None

*Source\_Citation\_Abbreviation:* North Keys/Backcountry FWC

*Source\_Information:*

*Source\_Citation:*

*Citation\_Information:*

*Originator:* Nova Southeastern University Oceanographic Center

*Publication\_Date:* 20090101

*Title:* Benthic Habitats North Miami-Dade Florida 2009

*Source\_Scale\_Denominator:* 0

*Type\_of\_Source\_Media:* None

*Source\_Citation\_Abbreviation:* Benthic Habitats North Miami-Dade Florida 2009

*Source\_Information:*

*Source\_Citation:*

*Citation\_Information:*

*Originator:* National Park Service, Avineon

*Title:* Benthic Habitat East Biscayne National Park Florida 2008

*Source\_Scale\_Denominator:* 0

*Type\_of\_Source\_Media:* None

*Source\_Citation\_Abbreviation:* Benthic Habitat East Biscayne National Park Florida 2008

*Source\_Information:*

*Source\_Citation:*

*Citation\_Information:*

*Originator:* FWC FWRI

*Title:* Unified Florida Patch Reef Map\_V14 2016

*Other\_Citation\_Details:*

The Unified Patch Reef Map was created by extracting patch reef features from several maps throughout the Keys including NOAA, Nova Southeastern University (NSU), National Park Service (NPS), and previous FWC mapping efforts resulting in a GIS layer consisting of 14,196 patch reefs identified using the best available imagery and a consistent minimum mapping unit (MMU=150sqm) and digitizing scale (1:3,000) throughout the Florida Keys Reef Tract. Where the Unified Patch Reef Map layer intersected the Unified Florida Reef Tract Map, numerous features were edited and updated using newer, higher resolution imagery. As a result, there will be considerable differences between the Unified Florida Reef Tract Map v1.3 and the Unified Florida Reef Tract Map v2.0.

*Type\_of\_Source\_Media:* None

*Source\_Citation\_Abbreviation:* Unified Florida Patch Reef Map\_V14 2016

*Source\_Scale\_Denominator:* 0

*Source\_Information:*

*Source\_Citation:*

*Citation\_Information:*

*Title:* Southeast Florida Benthic Habitat Update 2015

*Originator:* Nova Southeastern University Oceanographic Center

*Other\_Citation\_Details:*

This shapefile is a combination of the most recent SE FL benthic habitat maps. The nearshore has been updated according to Walker and Klug 2014 (Hillsboro inlet to Fowey Rocks) and Cumming 2017 (Lake Worth inlet to Boynton inlet) combined with all previous mapping efforts. Cumming combined all hardbottom mapping from 2000 to present to obtain the total nearshore hardbottom extent. This habitat is variably exposed depending on temporal shifting sediment, beach nourishments, and large storm events. The Ecosystem regions were defined in Walker 2012 and Walker and Gilliam 2013. The SE FL nearshore benthic habitats were mapped using the same combined technique approach as described in Walker, Riegl, and Dodge (2008). Polygons were created by outlining and defining the features at a 1:1,000 scale and minimum mapping unit of 0.1 ha within recent aerial photography and high resolution bathymetric survey data. Southeast Florida benthic habitat maps were produced by delineating seafloor features evident in multiple datasets including the GMR Aerial Surveys, Inc. dba Photo Science imagery collected for this purpose on March 8, 2013, 2008 Broward lidar, and 2009 NOAA bathymetry. This dataset built upon previous regional mapping efforts by Dr. Brian Walker at Nova Southeastern University. The habitats were classified according to established NOAA guidelines in coordination with the NOS Coral Mapping Program and use a similar classification scheme when possible.

*Source\_Scale\_Denominator:* 0

*Type\_of\_Source\_Media:* None

*Source\_Citation\_Abbreviation:* Southeast Florida Benthic Habitat Update 2015

*Process\_Step:*

*Process\_Description:* Version 1.0 published

*Process\_Step:*

*Process\_Description:*

Version 1.1 - Data addition: Biscayne Bay Aquatic Preserve. Seams integrated with Biscayne Bay NPS data and SE Florida Data (at inlets). Edits have not yet been accuracy assessed. Zone information added for SE Florida and Marquesas.

*Process\_Step:*

*Process\_Description:*

Version 1.2 - Data addition: Hawk Channel. Boca Grande Channel. Data surrounding these areas were edited at seams to match updates.

*Process\_Step:*

*Process\_Description:*

Version 1.3 - Data addition: Northern Marquesas and Backcountry Areas. Data surrounding these areas were edited at seams to match updates and map topology errors throughout the map were corrected.

*Process\_Step:*

*Process\_Description:*

Version 2.0 – Data additions : Unified Florida Patch Reef Map and the Southeast Florida Benthic Habitat Update. Southeast Florida Benthic Habitat data was edited to not overwrite NPS dataset overlap . Data surrounding these areas were edited at seams to match updates. . Data intersected by these additions were edited for geometry and classification.

*Process\_Step:*

*Process\_Description:*

Reclassification and geometry editing procedures are detailed in accompanying report

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*Spatial\_Data\_Organization\_Information:*

*Direct\_Spatial\_Reference\_Method:* Vector

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*Entity\_and\_Attribute\_Information:*

*Detailed\_Description:*

*Entity\_Type:*

*Entity\_Type\_Label:* UnifiedFloridaReefMap

*Entity\_Type\_Definition\_Source:* Producer defined

*Attribute:*

*Attribute\_Label:* OBJECTID\_1

*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:* Shape

*Attribute\_Definition:* Feature geometry.

*Attribute\_Definition\_Source:* Esri

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* Coordinates defining the features.

*Attribute:*

*Attribute\_Label:* ClassLv0

*Attribute\_Definition:*

Unified Classification Level 0. This is the coarsest (most general) thematic level.

*Attribute\_Definition\_Source:* FWC

*Attribute:*

*Attribute\_Label:* ClassLv1

*Attribute\_Definition:* Unified Classification Level 1

*Attribute\_Definition\_Source:* FWC

*Attribute:*

*Attribute\_Label:* Source

*Attribute\_Definition:* Original mapping project reference

*Attribute\_Definition\_Source:* FWC

*Attribute:*

*Attribute\_Label:* Zone\_

*Attribute\_Definition:* Reef Zone

*Attribute:*

*Attribute\_Label:* GeoformDet

*Attribute\_Definition:*

Geoform Detail: This field retains the original source data classification values

*Attribute\_Definition\_Source:* Orginal source layer

*Attribute:*

*Attribute\_Label:* GeoformD\_1

*Attribute:*

*Attribute\_Label:* GeoForm

*Attribute\_Definition:*

GeoForm - This field retains the original source data classification values

*Attribute\_Definition\_Source:* Original source layer

*Attribute:*

*Attribute\_Label:* BioCoverDe

*Attribute\_Definition:*

Biological Cover Detail - This field retains the original source data classification values

*Attribute\_Definition\_Source:* Original source layer

*Attribute:*

*Attribute\_Label:* PercentBio

*Attribute\_Definition:*

Percent Biological Cover - This field retains the original source data classification values

*Attribute\_Definition\_Source:* Original source layer

*Attribute:*

*Attribute\_Label:* PercentCor

*Attribute\_Definition:*

Percent Coral Cover - No distinction is made between soft and stony coral. This field retains the original source data classification values

*Attribute\_Definition\_Source:* Original source layer

*Attribute:*

*Attribute\_Label:* BioCover

*Attribute\_Definition:*

Biological Cover - This field retains the original source data classification values

*Attribute\_Definition\_Source:* Original source layer

*Attribute:*

*Attribute\_Label:* CMECS\_Geo

*Attribute\_Definition:* CMECS Geoform cross-walk

*Attribute\_Definition\_Source:* FWC

*Attribute:*

*Attribute\_Label:* CMECS\_Bio

*Attribute\_Definition:* CMECS Biological Cover cross-walk

*Attribute\_Definition\_Source:* FWC

*Attribute:*

*Attribute\_Label:* ClassLv2

*Attribute\_Definition:* Unified Classification Level 2

*Attribute\_Definition\_Source:* FWC

*Attribute:*

*Attribute\_Label:* ClassLv3

*Attribute\_Definition:* Unified Classification Level 3

*Attribute\_Definition\_Source:* FWC

*Attribute:*

*Attribute\_Label:* ClassLv4

*Attribute\_Definition:*

Unified Classification Level 4. This is the most detailed thematic classification level.

*Attribute\_Definition\_Source:* FWC

*Attribute:*

*Attribute\_Label:* Ancil1

*Attribute\_Definition:* Ancillary Information detailing integration edits

*Attribute\_Definition\_Source:* FWC

*Attribute:*

*Attribute\_Label:* AggKey

*Attribute:*

*Attribute\_Label:* Acres

*Attribute:*

*Attribute\_Label:* Bio\_des

*Attribute:*

*Attribute\_Label:* Ancil2

*Attribute\_Definition:* Ancillary Information detailing integration edits

*Attribute\_Definition\_Source:* FWC

*Attribute:*

*Attribute\_Label:* AncilNotes

*Attribute\_Definition:* Ancillary Information detailing integration edits

*Attribute\_Definition\_Source:* FWC

*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:* 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.

*Overview\_Description:*

*Entity\_and\_Attribute\_Overview:*

As specified in the attribute definitions, some attribute fields represent the original source data classification information. Not all features will have information for these original source data fields.

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*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

*Contact\_Address:*

*Address\_Type:* mailing and physical

*Address:*

Fish and Wildlife Research Institute 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

*Distribution\_Liability:*

This data set is in the public domain, and the recipient may not assert any proprietary rights thereto nor represent it to anyone as other than a FWC-FWRI produced data set; it is provided "as-is" without warranty of any kind, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. The user assumes all responsibility for the accuracy and suitability of this data set for a specific application. In no event will the staff of the Fish and Wildlife Research Institute be liable for any damages, including lost profits, lost savings, or other incidental or consequential damages arising from the use of or the inability to use this data set.

*Standard\_Order\_Process:*

*Digital\_Form:*

*Digital\_Transfer\_Information:*

*Format\_Name:* SHP

*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

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*Metadata\_Reference\_Information:*

*Metadata\_Date:* 20150901

*Metadata\_Review\_Date:* 20071115

*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 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.