Benthic Habitats Florida Bay 2004

Metadata also available as - [Parseable text]

Metadata:

- Identification Information
- Data Quality Information
- Spatial Data Organization Information
- Spatial Reference Information
- Entity and Attribute Information
- Distribution Information
- Metadata Reference Information
- Lineage

Identification Information:

Citation:
Citation Information:
Originator:
Florida Fish and Wildlife Conservation Commission-Fish and Wildlife Research Institute
Publication Date: 9-14-2005
Title: Benthic Habitats Florida Bay 2004
Geospatial Data Presentation Form: vector digital data
Description:
Abstract:
This GIS data set serves as a documentation of the benthic habitat found in Florida Bay as it existed in the Spring of 2004. Digital data was collected using photogrammetric techniques. Groundtruthing was performed to verify photointerpretation classification.
Purpose:
This dataset was created to provide an accurate depiction of the benthic habitat of Florida Bay, as defined using "Habitat Classification Categories for Florida Bay Benthic Habitat Mapping - 2004/2005, Version 3-23-05" This classification is an adaptation from Florida SCHEME (System for Classification of Habitats in Estuarine and Marine Environments), FWC.
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.
Time Period of Content:
Time Period Information:
Multiple Dates/Times:
**Single_Date/Time:**
**Calendar_Date:** 20040331

**Single_Date/Time:**
**Calendar_Date:** 20040421

**Currentness_Reference:** Date of Photography

**Status:**
**Progress:** Complete

**Maintenance_and_Update_Frequency:** Unknown

**Spatial_Domain:**

**Bounding_Coordinates:**
**West_BoundingCoordinate:** -81.128694
**East_BoundingCoordinate:** -80.235684
**North_BoundingCoordinate:** 25.386079
**South_BoundingCoordinate:** 24.785398

**Keywords:**

**Theme:**
**Theme_Keyword_Thesaurus:** FWRItheme
**Theme_Keyword:** benthic
**Theme_Keyword:** habitat (rivers, estuaries, ecology, hard bottom)
**Theme_Keyword:** marine vegetation (mangroves, seagrasses, seaweeds, sea oats)

**Place:**
**Place_Keyword_Thesaurus:** FWRIplace
**Place_Keyword:** Florida Bay

**Place:**
**Place_Keyword_Thesaurus:** Florida Counties
**Place_Keyword:** Monroe

**Place:**
**Place_Keyword_Thesaurus:** Florida Waterbodies
**Place_Keyword:** Florida Bay

**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

**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_Person.Primary:**
**Contact_Person:** GISLibrarian
**Contact_Organization:**
FWC-FWRI (Florida Fish and Wildlife Conservation Commission-Fish and Wildlife Research Institute)
**Contact_Position:** GIS Data Librarian
**Contact_Address:**
**Address_Type:** mailing and physical address
**Address:**
Fish and Wildlife Research Institute 100 Eighth Avenue Southeast
**City:** St. Petersburg
**State_or_Province:** Florida
**Postal_Code:** 33701
**Country:** USA
**Contact_Voice_Telephone:** 727-896-8626
**Contact_Facsimile_Telephone:** 727-893-1679
**Contact_Electronic_Mail_Address:** GISLibrarian@MyFWC.com
**Hours_of_Service:** 8:00 a.m.-5:00 p.m. Eastern time

**Data_Set_Credit:**
Avineon provided the data and metadata. Kevin Madley was the FWRI PI. FWRI edited the metadata to include required standard information, and changed contact information to GIS Librarian.

**Security_Information:**
**Security_Classification_System:** FWRI-DC
**Security_Classification:** Available without restriction
**Security_Handling_Description:** Available without restriction

**Native_Data_Set_Environment:**
Microsoft Windows 2000 Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 8.1.2.671

**Cross_Reference:**

**Citation_Information:**
An aerotriangulation solution was computed across the project area, using ImageStation Automatic Triangulation (ISAT) software issued by Z/I Imaging, Inc. Utilizing ABGPS/IMU data, camera calibration reports and the raw scanned photography supplied by FWRI, ISAT created a solution that meets the National Map Accuracy Standards for 1:24,000 scale maps. The GPS/IMU data was used as the control for creating the aerotriangulation solution. Upon completion of the aerotriangulation solution check points derived from USGS DOQQ's were used to check the spatial accuracy of the aerotriangulation solution.

Process_Date: 200505
Process_Contact:

Contact_Information:
Contact_Organization_Primary:
Contact_Organization: Avineon Incorporated, Baymont Division
Contact_Person: Patterson, Keith
Contact_Position: Director Photogrammetry, Mapping, and GIS
Contact_Address:
Address_Type: Mailing and physical
Address: 14100 58th Street North
City: Clearwater
State_or_Province: FL
Postal_Code: 33760
Country: USA
Contact_Voice_Telephone: 727-539-1661
Contact_Facsimile_Telephone: 727-539-1749
Contact_Electronic_Mail_Address: pattersonk@avineon.com
Hours_of_Service: 8:00 a.m.-5:00 p.m. Eastern time M-F
Contact_Instructions:
Avineon was formerly called Agra Baymont, which was previously GEONEX.

Process Step:
Process_Description:
Orthopro used the computed solution from ISAT to produce the geo-referenced imagery.
Process_Date: 200505

Process Step:
Process_Description:
Benthic habitat was delineated in using stereo softcopy kits by ImageStation Stereo Display by Z/I Imaging, Inc.

Process Contact:
Contact.Information:
Contact.Organization_Primary:
Contact.Organization: Avineon Incorporated, Baymont Division
Contact.Person: Patterson, Keith
Contact.Position: Director Photogrammetry, Mapping, and GIS
Contact_Address:
Address_Type: Mailing and physical
Address: 14100 58th Street North
City: Clearwater
State_or_Province: FL
Postal_Code: 33760
Country: USA
Contact_Voice_Telephone: 727-539-1661
Contact_Facsimile_Telephone: 727-539-1749
Contact_Electronic_Mail_Address: pattersonk@avineon.com
Hours_of_Service: 8:00 a.m.-5:00 p.m. Eastern time M-F
Contact_Instructions:
Avineon was formerly called Agra Baymont, which was previously GEONEX.

Process Step:
Process_Description:
FWRI received this data as a shapefile in UTM. The data set was reprojected to Albers and loaded to ArcSDE
Process_Date: 20061103
Process Contact:
Contact Information:
Contact Person Primary:
Contact Person: GIS Librarian
Contact Organization:
FWC-FWRI (Florida Fish and Wildlife Conservation Commission-Fish and Wildlife Research Institute)
Contact Position: GIS Data Librarian
Contact Address:
Address Type: mailing and physical address
Address: Fish and Wildlife Research Institute 100 Eighth Avenue Southeast
City: St. Petersburg
State or Province: Florida
Postal Code: 33701
Country: USA
Contact Voice Telephone: 727-896-8626
Contact Facsimile Telephone: 727-893-1679
Contact Electronic Mail Address: GISLibrarian@MyFWC.com
Hours of Service: 8:00 a.m.-5:00 p.m. Eastern time

Spatial Data Organization Information:
Direct Spatial Reference Method: Vector
Point and Vector Object Information:
SDTS Terms Description:
SDTS Point and Vector Object Type: G-polygon
Point and Vector Object Count: 3632

Spatial Reference Information:
Horizontal Coordinate System Definition:
Planar:
Planar Coordinate Information:
Planar Coordinate Encoding Method: Coordinate Pair
Coordinate Representation:
Abscissa Resolution: 0.000523
Ordinate Resolution: 0.000523
Planar Distance Units: meters
Map Projection:
Map Projection Name: Albers Conical Equal Area
Albers Conical Equal Area:
Standard Parallel: 24.000000
Standard Parallel: 31.500000
Longitude of Central Meridian: -84.000000
Latitude of Projection Origin: 24.000000
False Easting: 400000.000000
False Northing: 0.000000
Geodetic Model:
Horizontal Datum Name: North American Datum of 1983
Ellipsoid Name: Geodetic Reference System 80
Semi-major Axis: 6378137
Denominator of Flattening Ratio: 298.257

Vertical Coordinate System Definition:
Altitude System Definition:
Altitude Encoding Method:
Explicit elevation coordinate included with horizontal coordinates
Altitude Resolution: 1.000000

Entity and Attribute Information:
Detailed Description:
Entity Type:
Entity Type Label: FMRI.benthic_flbay_2004_poly
Entity Type Definition:
This data set contains polygons representing seagrass and other bottom type data for Florida Bay.
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: FLA_BAY_
Attribute:
Attribute Label: FLA_BAY_ID
Attribute:
Attribute Label: DESCRIPT
Attribute Definition: Description of HABITAT code value.
Attribute Definition Source: Producer defined.
Attribute Domain Values:
Unrepresentable Domain: Text field. See HABITAT attribute description.
Attribute:
Attribute Label: HABITAT
Attribute Definition:
Habitat Classification defined using "Habitat Classification Categories for Florida Bay Benthic Habitat Mapping - 2004/2005, version 3-23-05"
Attribute Definition Source: Florida SCHEME
Attribute Domain Values:
Enumerated Domain:
Enumerated Domain Value 1: Unconsolidated Sediments
Enumerated_Domain_Value_Definition_Source: Producer defined.
Enumerated_Domain:
Enumerated_Domain_Value: 1cc
Enumerated_Domain_Value_Definition: Unconsolidated Sediments, Bank
Enumerated_Domain_Value_Definition_Source: Producer defined.
Enumerated_Domain:
Enumerated_Domain_Value: 211
Enumerated_Domain_Value_Definition: Continuous Submerged Rooted Vascular (SRV)
Enumerated_Domain_Value_Definition_Source: Producer defined.
Enumerated_Domain:
Enumerated_Domain_Value: 211cc
Enumerated_Domain_Value_Definition: Continuous Submerged Rooted Vascular (SRV), Bank
Enumerated_Domain_Value_Definition_Source: Producer defined.
Enumerated_Domain:
Enumerated_Domain_Value: 212
Enumerated_Domain_Value_Definition: Discontinuous Submerged Rooted Vascular (SRV)
Enumerated_Domain_Value_Definition_Source: Producer defined.
Enumerated_Domain:
Enumerated_Domain_Value: 212cc
Enumerated_Domain_Value_Definition: Discontinuous Submerged Rooted Vascular (SRV), Bank
Enumerated_Domain_Value_Definition_Source: Producer defined.
Enumerated_Domain:
Enumerated_Domain_Value: 221
Enumerated_Domain_Value_Definition: Attached Macroalgae
Enumerated_Domain_Value_Definition_Source: Producer defined.
Enumerated_Domain:
Enumerated_Domain_Value: 34
Enumerated_Domain_Value_Definition: Hard Bottom
Enumerated_Domain_Value_Definition_Source: Producer defined.
Enumerated_Domain:
Enumerated_Domain_Value: 6
Enumerated_Domain_Value_Definition: Land
Enumerated_Domain_Value_Definition_Source: Producer defined.
Enumerated_Domain:
Enumerated_Domain_Value: 7
Enumerated_Domain_Value_Definition: Unknown Benthic Habitat
Enumerated_Domain_Value_Definition_Source: Producer defined.
Enumerated_Domain:
Enumerated_Domain_Value: 71
Enumerated_Domain_Value_Definition: Turbid Plume
Enumerated_Domain_Value_Definition_Source: Producer defined.
Attribute:
Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.
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.
Attribute:
Attribute_Label: SHAPE.LEN
Attribute_Definition: Perimeter of feature in internal units.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Positive real numbers that are automatically generated.

Distribution_Information:
Distributor:
Contact_Information:
Contact_Person_Primary:
Contact_Person: GISLibrarian
Contact_Organization:
FWC-FWRI (Florida Fish and Wildlife Conservation Commission-Fish and Wildlife Research Institute)
Contact_Position: GIS Data Librarian
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Contact_Facsimile_Telephone: 727-893-1679
Contact_Electronic_Mail_Address: GISLibrarian@MyFWC.com
Hours_of_Service: 8:00 a.m.-5:00 p.m. Eastern time
Distribution_Liability:
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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

ASCII_File_Structure:

Case_Sensitive: true

Transfer_Size: 0.023

Digital_Transfer_Option:

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

Custom_Order_Process: Contact GIS Librarian

Resource_Description: Downloadable Data

Metadata_Reference_Information:

Metadata_Date: 20060117

Metadata_Review_Date: 20061103

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Avineon Incorporated, Baymont Division

Contact_Person: Patterson, Keith

Contact_Position: Director Photogrammetry, Mapping, and GIS

Contact_Address:

Address_Type: Mailing and physical

Address: 14100 58th Street North

City: Clearwater

State_or_Province: FL

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Contact_Electronic_Mail_Address: pattersonk@avineon.com

Hours_of_Service: 8:00 a.m.-5:00 p.m. Eastern time M-F

Contact_Instructions:

Avineon was formerly called Agra Baymont, which was previously GEONEX.

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Lineage:

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