

Benthic Habitats Florida Bay 2004

Metadata also available as - [[Parseable text](#)]

Metadata:

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- [Metadata Reference Information](#)
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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_Bounding_Coordinate: -81.128694

East_Bounding_Coordinate: -80.235684

North_Bounding_Coordinate: 25.386079

South_Bounding_Coordinate: 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)

Theme:

Theme_Keyword_Thesaurus: ISO 19115 Topic Category

Theme_Keyword: environment

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:

Originator: Avineon, Inc.
Publication_Date: Unpublished Material
Title: Florida Bay 2004 Imagery
Other_Citation_Details:
Complementary digital orthophotographic mosaics depicting florida bay.

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report:

Habitat delineation meets or exceeds the National Map Accuracy Standards for 1:24,000 scale maps.

Lineage:

Source_Information:

Source_Citation:

Citation_Information:

Originator: Photo Science, Inc.

Title: Cartographic Aerial Photography

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 20040331

Time_of_Day: Unknown

Source_Scale_Denominator: 24000

Type_of_Source_Media: Scanned Cartographic Aerial Photography

Source_Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 20040331

Time_of_Day: unknown

Source_Currentness_Reference: Date of Photography

Source_Contribution: Photo Science, inc.

Process_Step:

Process_Description:

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

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Postal_Code: 33760

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Contact_Voice_Telephone: 727-539-1661

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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.

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: 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

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

Enumerated_Domain_Value_Definition: 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
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
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

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.

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Extensions:

Online_Linkage: <<http://www.esri.com/metadata/esriprof80.html>>

Profile_Name: ESRI Metadata Profile

Metadata_Extensions:

Online_Linkage: <<http://www.esri.com/metadata/esriprof80.html>>

Profile_Name: ESRI Metadata Profile

Lineage:

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