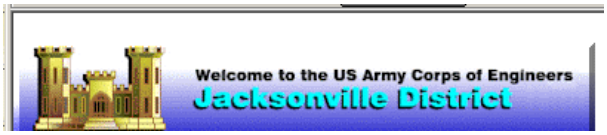

Identification_Information:
Citation:
Citation_Information:
Originator: U.S. Army Corps of Engineers, Jacksonville District(comp.)
Publication_Date: 20071022
Publication_Time: Unknown
Title: Palm Beach Hbr PCS 33 &35 Foot Project FY08
Edition: 08-009 PCS FY08
Geospatial_Data_Presentation_Form: map
Publication_Information:
Publication_Place: U.S Army Corps of Enginners Jacksonville District
Publisher: U.S. Army Corps of Engineers, Jacksonville District, Construction-Operations
Description:
Abstract:
Soundings are in feet and tenths and refer to Mean Lower Low Water (MLLW) which is 1.31 feet below NGVD1929. All elevations are below the chart datum unless preceded by a (+) sign. Tidal reductions were made from a staff set on a wooden piling in the vicinity of, and referenced from benchmark "a310". Plane coordinates are based on the Transverse Mercator projection for the east zone of Florida and referenced to North American Datum of 1983 (NAD83). All azimuths are grid; reckoned clockwise from South. All stationing refers to the centerline of the channel. Survey was performed using differential GPS for positioning and utilizing the USCG Nav beacon system as the reference site. Vertical measurements were made using a Reson multi-beam echo sounder with a 200khz (high frequency) hull-mounted transducer.

Vessel	Date of Survey	cut
Florida	17 Oct 2007	Entrance Channel

Aids to navigation were located during survey. Survey accuracy performance standards, quality control, and quality assurance requirements were followed during this survey in accordance with USACE EM 1110-2-1003, Hydrographic Surveying, 1 Jan 02.
Purpose: Project Condition Survey Fy08
Supplemental_Information: This data set consists of 2 sheets at a scale of 1" = 100'.
Time_Period_of_Content:
Time_Period_Information:
Range_of_Dates/Times:
Beginning_Date: 20071017
Ending_Date: 20071017
Currentness_Reference: Ground Condition

Status:
Progress: Complete
Maintenance_and_Update_Frequency: As needed
Spatial_Domain:
Bounding_Coordinates:
West_Bounding_Coordinate: -081.157065
East_Bounding_Coordinate: -081.128677
North_Bounding_Coordinate: +32.433728
South_Bounding_Coordinate: +32.435932
Keywords:
Theme:
Theme_Keyword_Thesaurus: Tri - Service Spatial Data Standard
Theme_Keyword: Hydrography
Place:
Place_Keyword_Thesaurus: Geographic Names Information System
Place_Keyword: Florida
Place_Keyword: Palm Beach County
Place_Keyword: Palm Beach Harbor
Access_Constraints: None
Use_Constraints:
The data represents the results of data collection/processing for a specific U.S. Army Corps of Engineers activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time, and accuracy specifications. The user is responsible for the results of any application of the data for other than its intended purpose.
Point_of_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: U.S. Army Corps of Engineer Jacksonville District, Construction-Operation Division
Contact_Person: Brain K. Brodehl
Contact_Position: Chief, Hydrographic Survey Section
Contact_Address:
Address_Type: mailing address
Address:
U. S. Army Corps of Engineers,
Jacksonville District CO-OH
701 San Marco Blvd
City: Jacksonville
State_or_Province: Florida
Postal_Code: 32207-8175
Country: USA
Contact_Voice_Telephone: 904-232-3600
Contact_Facsimile_Telephone: 904-232-3696
Contact_Electronic_Mail_Address: brian.k.brodehl@saj02.usace.army.mil
Hours_of_Service: Any Time

Data_Set_Credit:
U.S. Army Corps of Engineers, Jacksonville District,
Construction-Operation Division, Operation Branch,
Hydrographic Survey Section
Security_Information:
Security_Handling_Description: n/a
Security_Classification: Other
Security_Classification_System: n/a
Native_Data_Set_Environment:
Data collection and editing using Coastal Oceanagraphics
Hypack Software and Mapped using Bently Microstation.
Spatial_Data_Organization_Information:
Direct_Spatial_Reference_Method: Point
Spatial_Reference_Information:
Horizontal_Coordinate_System_Definition:
Planar:
Grid_Coordinate_System:
Grid_Coordinate_System_Name: State Plane Coordinate System 1983
State_Plane_Coordinate_System:
SPCS_Zone_Identifier: 0901
Transverse_Mercator:
Scale_Factor_at_Central_Meridian: 0.9999411765
Longitude_of_Central_Meridian: -081.000000
Latitude_of_Projection_Origin: +24.200000
False_Easting: 656166.67
False_Northing: 0 M
Planar_Coordinate_Information:
Planar_Coordinate_Encoding_Method: coordinate pair
Coordinate_Representation:
Abscissa_Resolution: 0.01
Ordinate_Resolution: 0.01
Planar_Distance_Units: Survey Feet
Geodetic_Model:
Horizontal_Datum_Name: North American Datum of 1983
Ellipsoid_Name: Geodetic Reference System 80
Semi-major_Axis: 20925604.474 ft
Denominator_of_Flattening_Ratio: 298.25722
Vertical_Coordinate_System_Definition:
Altitude_System_Definition:
Altitude_Datum_Name: North American Vertical Datum of 1988
Altitude_Resolution: 0.0
Altitude_Distance_Units: Feet
Altitude_Encoding_Method: Explicit elevation coordinate included with horizontal coordinates
Depth_System_Definition:

Depth_Datum_Name: NGVD 1929 with Mean Lower Low Water Datum (-1.31') applied
Depth_Resolution: 0.1
Depth_Distance_Units: Feet
Depth_Encoding_Method: Explicit depth coordinate included with horizontal coordinates
Distribution_Information:
Distributor:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: U.S. Army Corps of Engineers Jacksonville District, Construction-Operation Division
Contact_Person: Brian K. Brodehl
Contact_Position: Chief, Hydrographic Survey Section
Contact_Address:
Address_Type: mailing and physical address
Address:
U.S. Corps of Engineers,
Jacksonville District CO-OH
701 San Marco Blvd
City: Jacksonville
State_or_Province: Florida
Postal_Code: 32207-8175
Country: USA
Contact_Voice_Telephone: 904-232-3600
Contact_Facsimile_Telephone: 904-232-3696
Contact_Electronic_Mail_Address: brian.k.brodehl@saj02.usace.army.mil
Hours_of_Service: Any Time
Contact_Instructions: n/a
Resource_Description: Survey 08-009
Distribution_Liability:
The data represents the results of data collection/processing for a specific U.S. Army Corps of Engineers activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time, and accuracy specifications. The user is responsible for the results of any application of the data for other than its intended purpose.
Standard_Order_Process:
Digital_Form:
Digital_Transfer_Information:
Format_Name: DGN
File_Decompression_Technique: No compression applied
Digital_Transfer_Option:
Online_Option:
Computer_Contact_Information:
Network_Address:

Network_Resource_Name:
www.saj.usace.army.mil/hydroSurvey/hydro.htm
Access_Instructions:
www.saj.usace.army.mil/hydroSurvey/hydro.htm
Fees: N/A
Metadata_Reference_Information:
Metadata_Date: 20071022
Metadata_Review_Date: 20071119
Metadata_Contact:
Contact_Information:
Contact_Organization_Primary:
Contact_Organization: U.S. Army Corps of Engineer Jacksonville District, Construction-Operation Division
Contact_Person: Brian K. Brodehl
Contact_Position: Chief, Hydrographic Survey Section
Contact_Address:
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Address:
U.S. Army Corps of Engineers,
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701 San Marco Blvd
City: Jacksonville
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Contact_Voice_Telephone: 904-232-3600
Contact_Facsimile_Telephone: 904-232-3696
Contact_Electronic_Mail_Address:
brian.k.brodehl@saj02.usace.army.mil
Hours_of_Service: Any Time
Contact_Instructions: n/a
Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: Local time
Metadata_Access_Constraints: None
Metadata_Use_Constraints:
The data represents the results of data collection/processing for a specific U.S. Army Corps of Engineers activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time, and accuracy specifications. The user is responsible for the results of any application of the data for other than its intended purpose.
Metadata_Security_Information:
Metadata_Security_Handling_Description: n/a
Metadata_Security_Classification: Unclassified
Metadata_Security_Classification_System: n/a