Online Presentation of Hydrographic Survey Data

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Deputy Chief, Operations Division
Chief, Navigation Branch
Galveston District - Southwestern Division
February 6, 2014

Galveston District – Dredging Meeting
Custodians of the Coast

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eHydro Implementation: Status Update and Overview

Ric Vera

Hydrology & Hydraulics/Water Management Branch

Galveston District

2/6/2014

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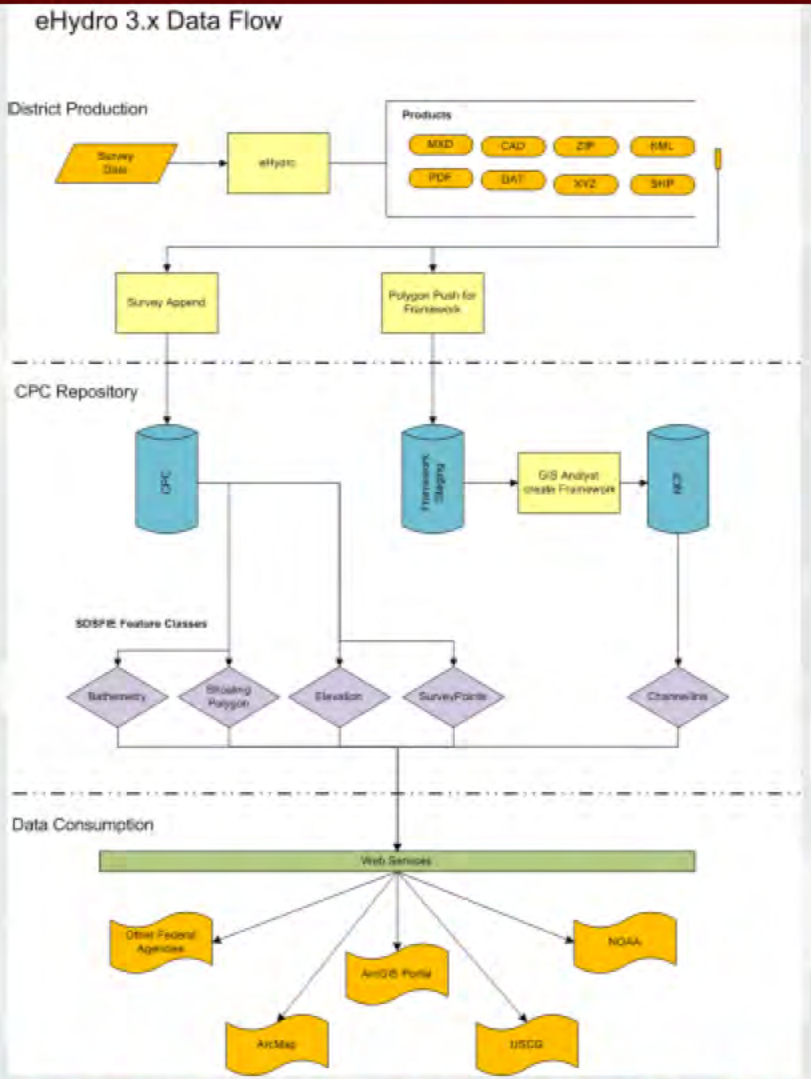
eHydro Implementation at Galveston District

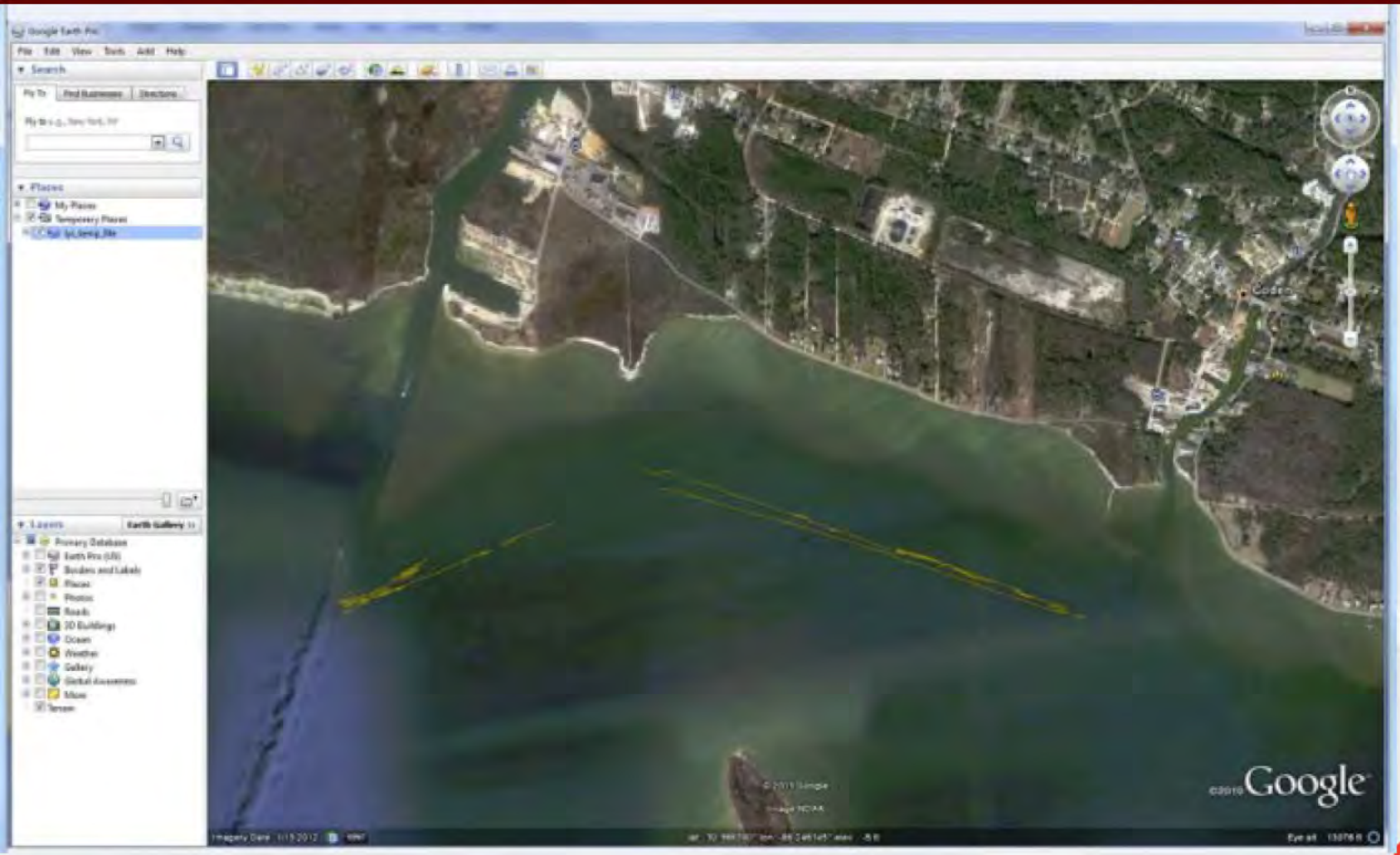
- What is eHydro?
  - Automated Survey Processing System
- When will it be implemented?
  - Operational now for new surveys: CCSC, Freeport, Galveston, HSC, Texas City, Barbour Terminal, Bayport, BIH, MSC
  - June 2014: SNWW
- What can we do with it?
  - Automated Web based delivery of surveys
  - Integrate digital surveys into other data systems
  - Faster, more detailed analysis of data

eHydro 3.X Data



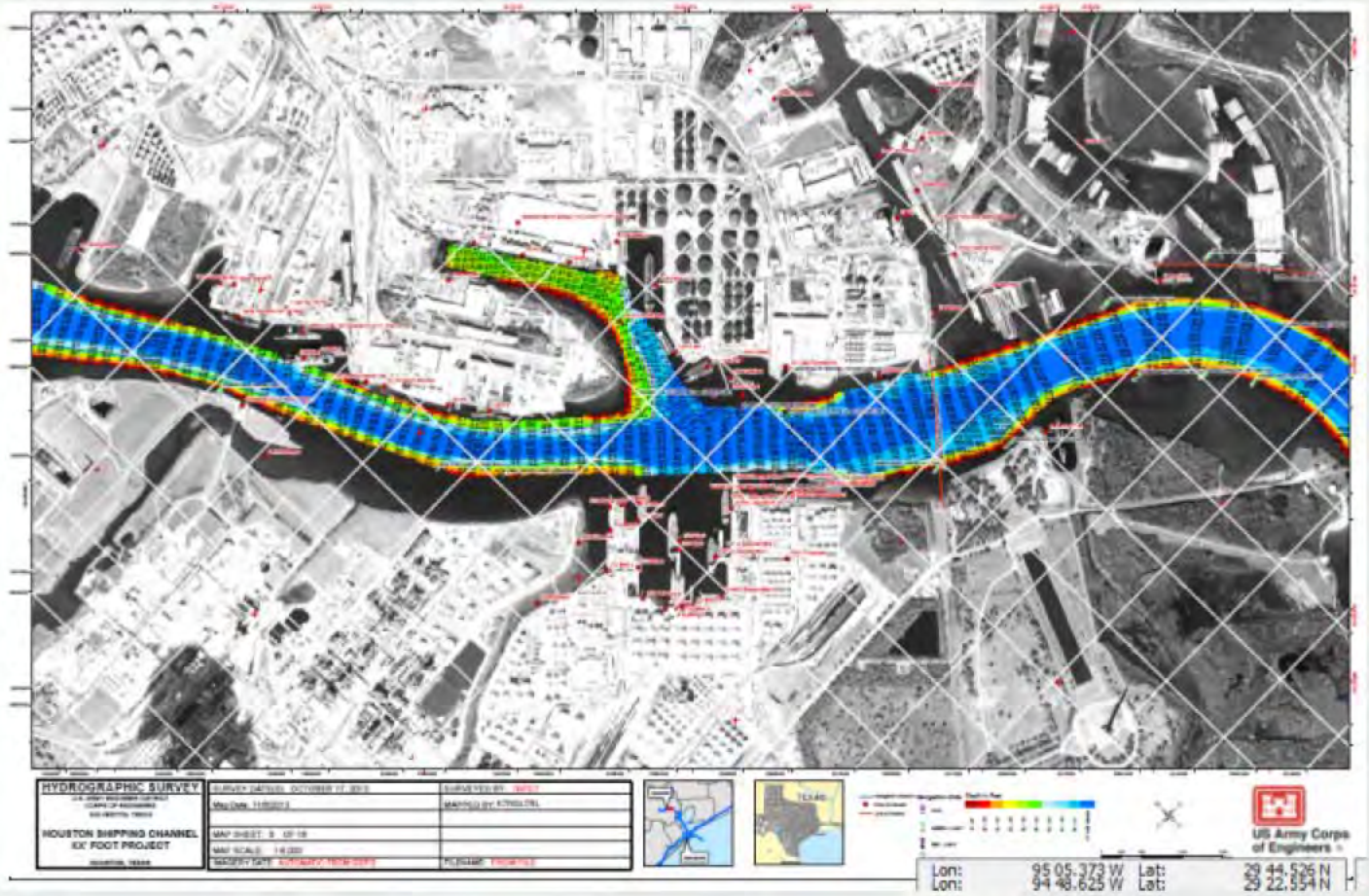
eHydro Products - MXD

eHydro Products - KML



eHydro Products - CAD

eHydro Products – PDF Plots



eHydro Products – Reports

- Channel Condition
- Channel Condition Indices
- Channel Availability by Quarters
- Summary Planning Quantities
- Survey Age

LOCAL CCI\Shoaling Report Page 1 of 1

BAYPORT TEXAS							Date 12/31/2013
Sheet Name	Reach Number	Depth	Left Outside Quarter	Left Inside Quarter	Right Inside Quarter	Right Outside Quarter	Survey Name
BAYPORT	1	40	37	39	33	33	BP_01_FLA_20131219_12DEC2013
BAYPORT	2	40	36	41	40	34	BP_02_ENT_20131209_12DEC2013
BAYPORT	3	40	41	41	42	40	BP_03_TRB_20130809_12DEC2013

7 or more feet above project depth
5 or 6 feet above project depth
3 or 4 feet above project depth
1 or 2 feet above project depth
At or 1 foot below project depth
2 or 3 feet below project depth
4 feet or more below project depth

For more information contact:

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Hydrographic Survey Webpages

Todd Horton

Chief, Waterways Management

Wilmington District

February 6, 2014

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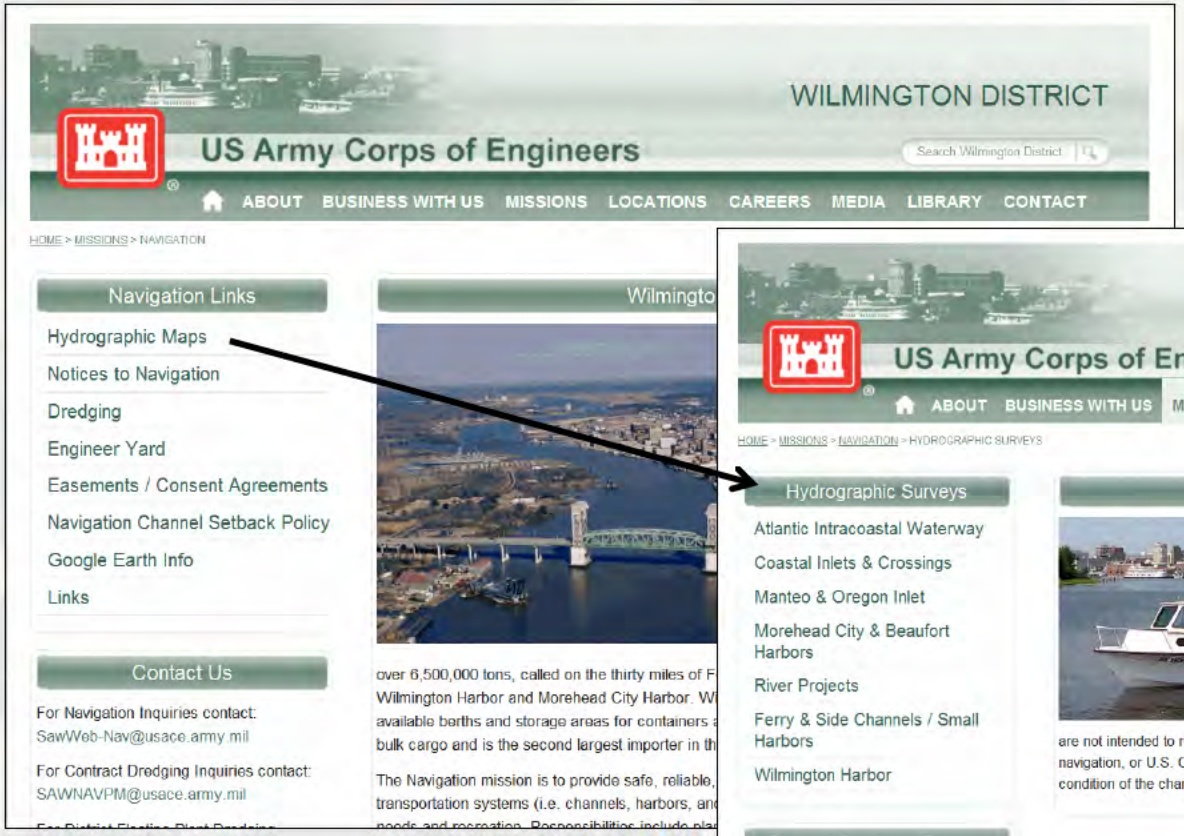
Navigation Webpages



District Navigation

Hydrographic Surveys

Surveys By Channel / Reach

US Army Corps of Engineers

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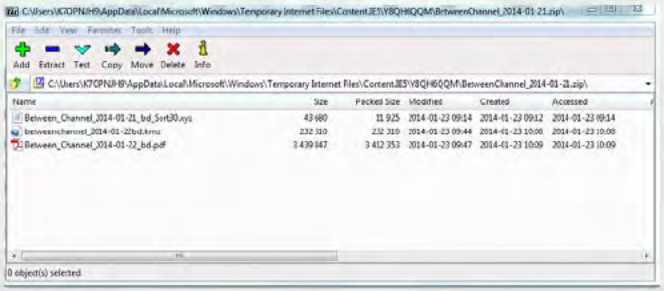
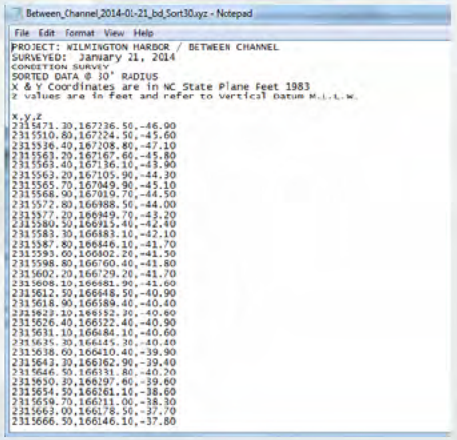
Wilmington Harbor Surveys

Channel	Survey Date	Survey Data (PDF, XYZ, KMZ)
25 FOOT PROJECT	DECEMBER 20, 2013	ZIP
32 FOOT PROJECT	JANUARY 9-10, 2014	ZIP
ANCHORAGE BASIN	NOVEMBER 21, 25, & DECEMBER 23, 2013	ZIP
VOPAK	DECEMBER 23, 2013	ZIP
BETWEEN CHANNEL	JANUARY 21, 2014	ZIP
STATE PORT BERTHS 1 - 2	DECEMBER 23, 2013	ZIP
STATE PORT BERTHS 3 - 5	JULY 26 & SEPTEMBER 4,19, 2013	ZIP
FOURTH EAST JETTY CHANNEL	JANUARY 14-21, 2014	ZIP
STATE PORT BERTHS 6 - 7	SEPTEMBER 4,5,19, 2013	ZIP
STATE PORT BERTHS 8 - 9	SEPTEMBER 5, 2013	ZIP
UPPER BRUNSWICK CHANNEL	JANUARY 23, 2014	ZIP
LOWER BRUNSWICK CHANNEL	SEPTEMBER 25, 2013	ZIP
UPPER BIG ISLAND CHANNEL	SEPTEMBER 26 & 30, 2013	ZIP
LOWER BIG ISLAND CHANNEL	SEPTEMBER 30 & OCTOBER 1, 2013	ZIP
KEG ISLAND CHANNEL	OCTOBER 18-21, 2013	ZIP
UPPER LILLIPUT CHANNEL	DECEMBER 12-13, 2013	ZIP
LOWER LILLIPUT CHANNEL	OCTOBER 28, 2013	ZIP
UPPER MIDNIGHT CHANNEL (Station 0+00 - 58+00)	OCTOBER 29-30, 2013	ZIP
UPPER MIDNIGHT CHANNEL (Station 58+00 - 137+35)	OCTOBER 29-30, 2013	ZIP
LOWER MIDNIGHT CHANNEL	OCTOBER 31, 2013	ZIP

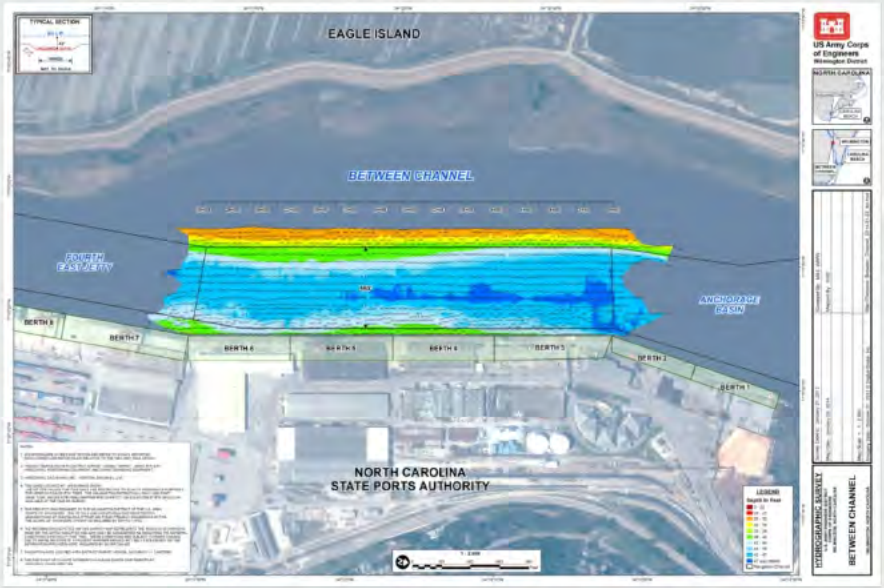
Download ZIP File



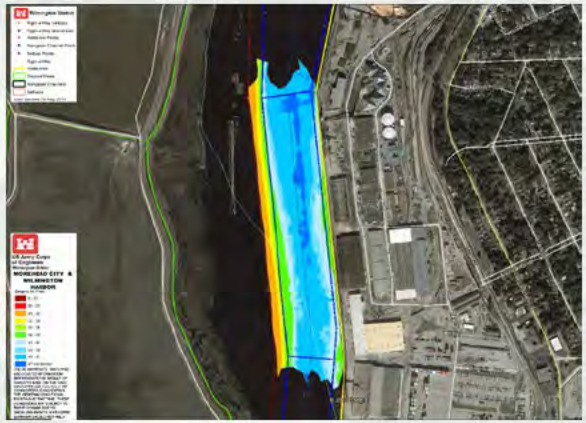
Sounding Data (XYZ)



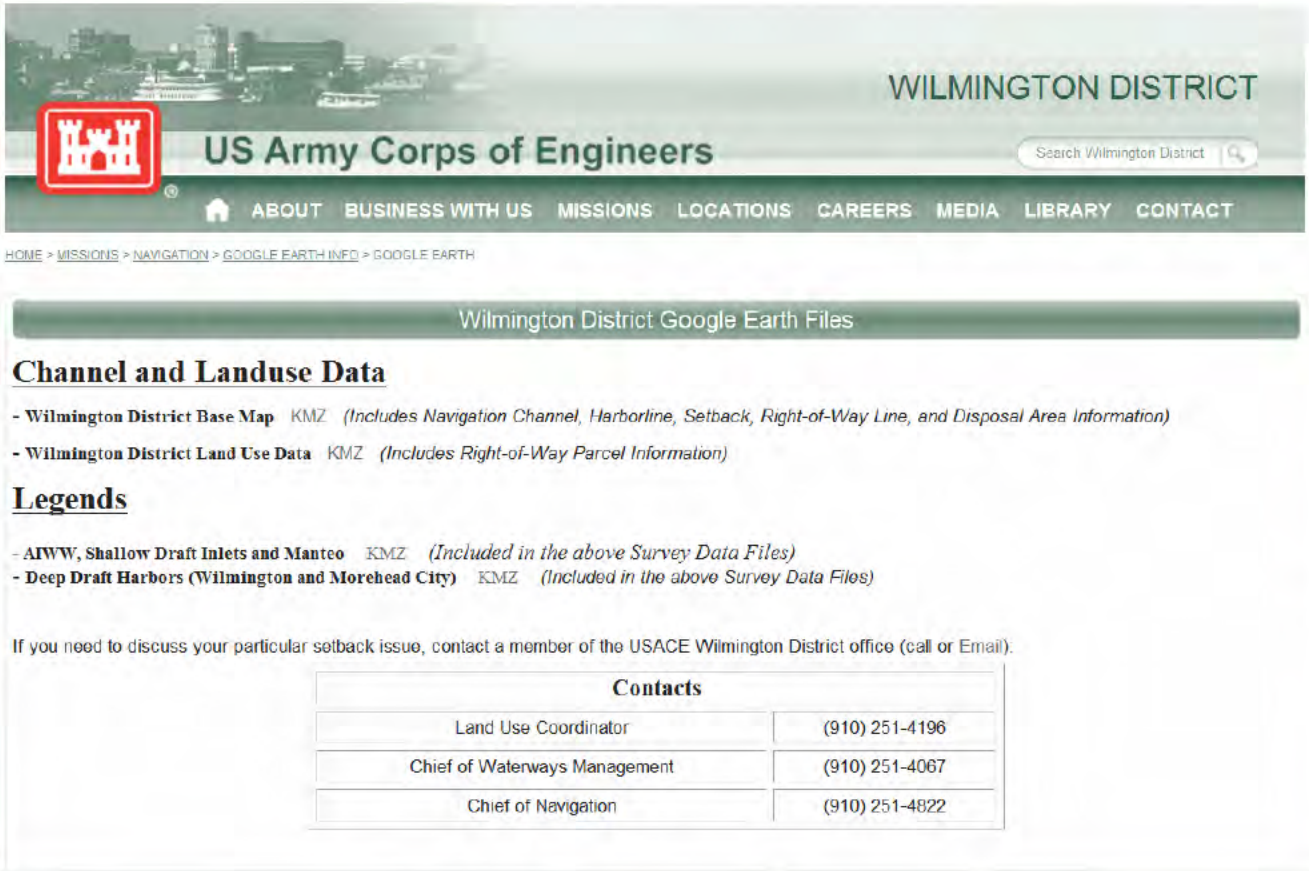
PDF Map (eHydro)



KMZ File



Google Earth Downloads



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Wilmington District Google Earth Files

Channel and Landuse Data

- **Wilmington District Base Map** KMZ *(Includes Navigation Channel, Harborline, Setback, Right-of-Way Line, and Disposal Area Information)*
- **Wilmington District Land Use Data** KMZ *(Includes Right-of-Way Parcel Information)*

Legends

- **AIWW, Shallow Draft Inlets and Manteo** KMZ *(Included in the above Survey Data Files)*
- **Deep Draft Harbors (Wilmington and Morehead City)** KMZ *(Included in the above Survey Data Files)*

If you need to discuss your particular setback issue, contact a member of the USACE Wilmington District office (call or Email).

Contacts	
Land Use Coordinator	(910) 251-4196
Chief of Waterways Management	(910) 251-4067
Chief of Navigation	(910) 251-4822

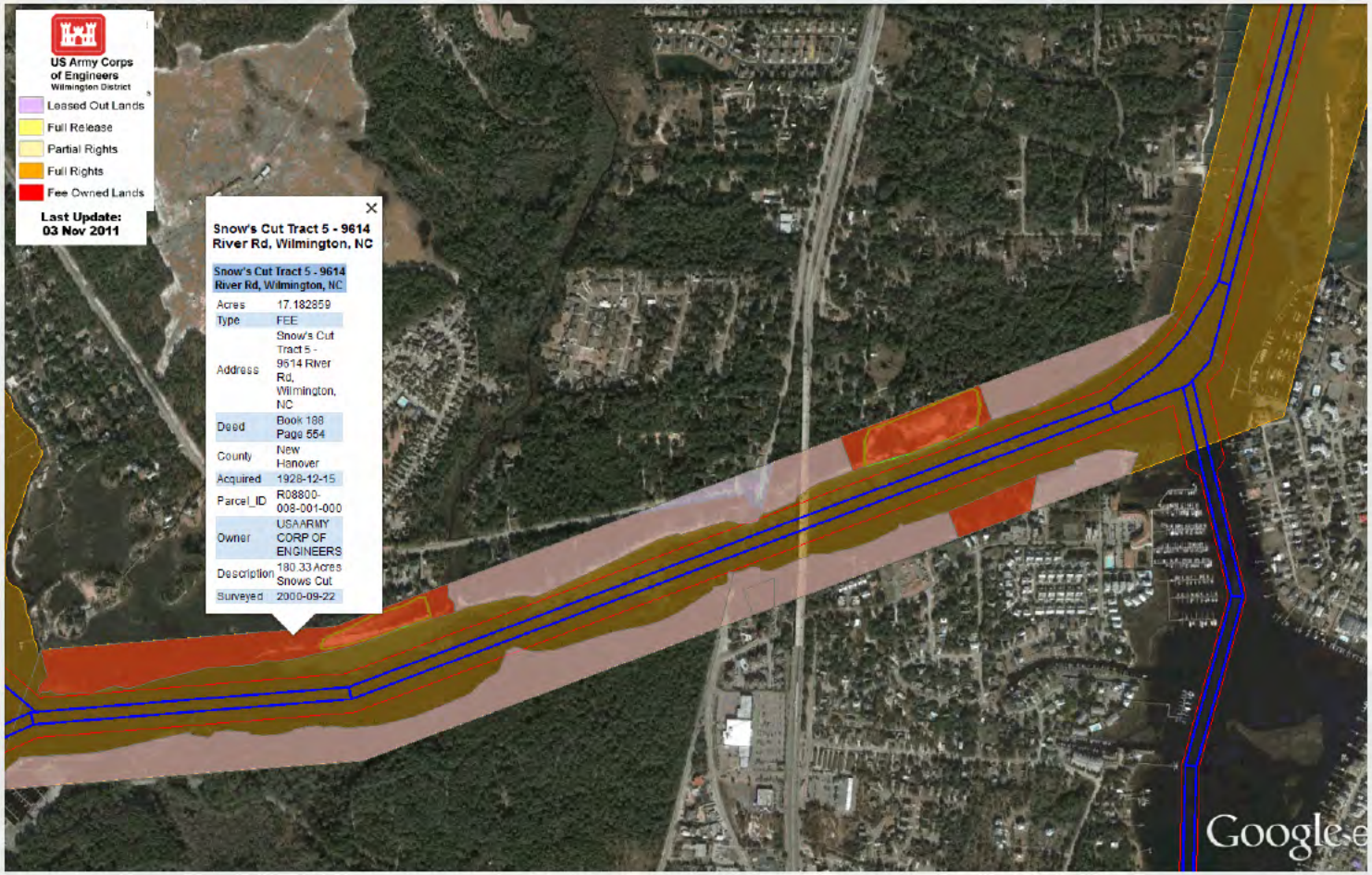
Navigation Data

Channels
Harbor Lines
Disposal Areas
Setback Limits
Monuments
Channel Coordinates

Real Estate Data

Rights-of-Way Lines
Fee Owned
Outgrants
Easements

Google Earth
Navigation and Real Estate Data



For More Information Contact:

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Wilmington District
Navigation Webpage
www.saw.usace.army.mil/Missions/Navigation