

HISTORICAL AERIAL IMAGERY

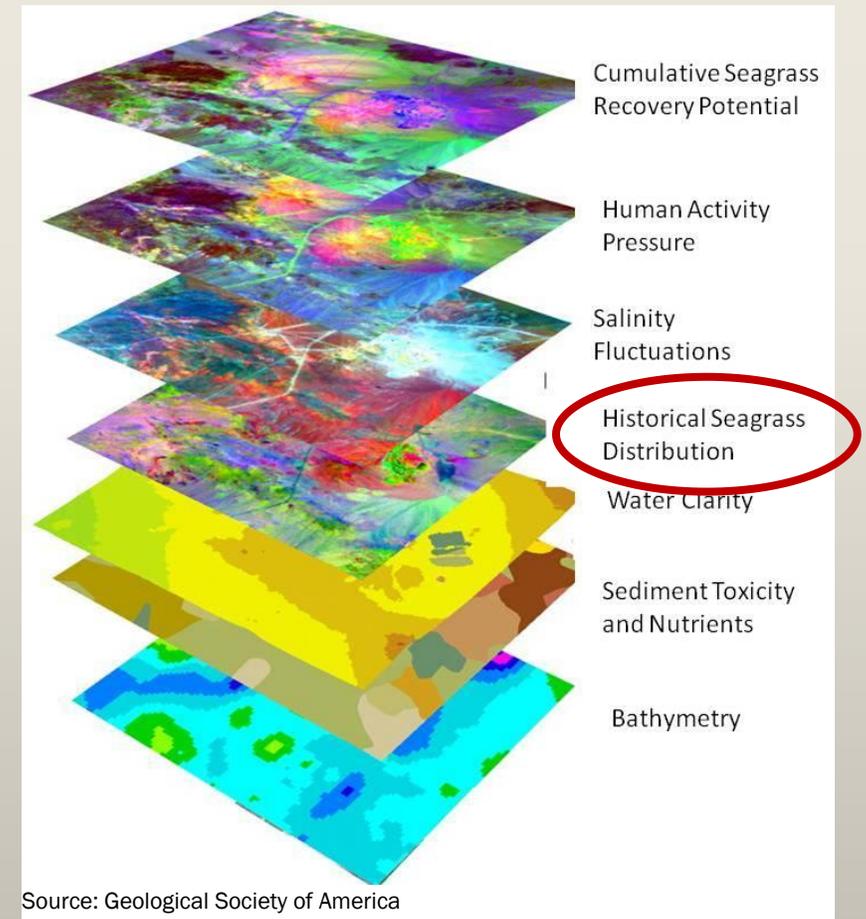
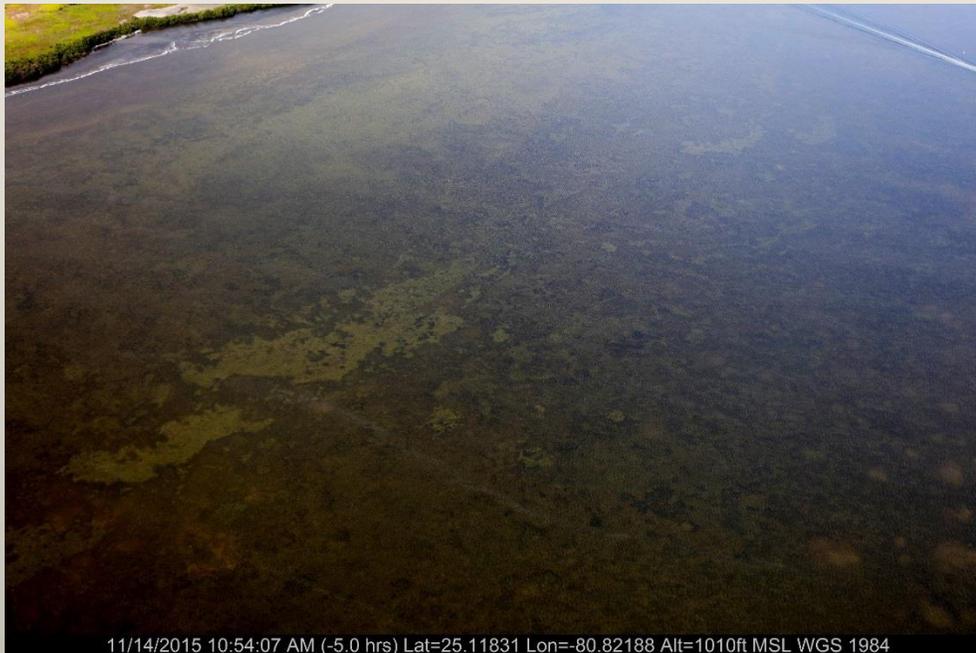
Sheila Scolaro

Fish and Wildlife Research Institute



How is historical aerial photography useful in seagrass restoration?

- Map historical seagrass beds
- Determine timeline and extent of seagrass loss
- Discern patterns



Seagrass Imagery Inventory

Year	General Location	Coordinates	Name	Format	Creator	Source	Direct Link
1953	N West Bay	N/A	Aerial photographs of Bay County - Flight 6L (1953)	Flight of Aerial Phot	USDA	UFDC	http://ufdc.ufl.edu/UF0
1953	NE East Bay	N/A	Aerial photographs of Bay County - Flight 4L (1953)	Flight of Aerial Phot	USDA	UFDC	http://ufdc.ufl.edu/UF0
1964	St Andrew Bay and	N/A	Aerial photographs of Bay County - Flight 2EE (1964)	Flight of Aerial Phot	USDA	UFDC	http://ufdc.ufl.edu/UF0
1964	All	N/A	Aerial photographs of Bay County - Flight 5L (1953)	Flight of Aerial Phot	USDA	UFDC	http://ufdc.ufl.edu/UF0
1964	East Bay and N Wes	N/A	Aerial photographs of Bay County - Flight 1EE (1964)	Flight of Aerial Phot	USDA	UFDC	http://ufdc.ufl.edu/UF0
Year	General Location	Coordinates	Name	Format	Creator	Source	Direct Link
2004	ALL	N/A	Hurricane Ivan Aerial Photography: High-Resolution	Aerial Photogaphy	NOAA	NOAA Data Explorer	https://data.noaa.gov/d
2005	ALL	N/A	Hurricane Dennis Aerial Photography: Draft Image M	Aerial Photogaphy	NOAA	NOAA Data Explorer	https://data.noaa.gov/d
2005	ALL	N/A	Hurricane Dennis Aerial Photography: High-Resoluti	Aerial Photogaphy	NOAA	NOAA Data Explorer	https://data.noaa.gov/d
2007	ALL	N/A	NOAA Composite Shoreline - Vectorized Shoreline I	Aerial Photogaphy	NOAA	NOAA Data Explorer	https://data.noaa.gov/d
2010	ALL	N/A	Deepwater Horizon MC252 - Oil Spill: Ocean Imaging	Aerial Photogaphy	NOAA	NOAA Data Explorer	https://data.noaa.gov/d
2012	ALL	N/A	NOAA's Coastal Aerial Photography	Aerial Photogaphy	NOAA	NOAA Data Explorer	https://data.noaa.gov/d
2012	ALL	N/A	NOAA Emergency Response Imagery	Aerial Photogaphy	NOAA	NOAA Data Explorer	https://data.noaa.gov/d
2013	Port of Panama City	N/A	2013 NOAA Ortho-rectified Color Mosaic of the port	Orthophotography	NOAA	NOAA Data Explorer	https://data.noaa.gov/d
2013	Port of Panama City	N/A	2013 NOAA Ortho-rectified Near-Infrared Mosaic of	Orthophotography	NOAA	NOAA Data Explorer	https://data.noaa.gov/d
2015	ALL	N/A	NOAA Coastal Mapping Remote Sensing Data	Aerial Photogaphy	NOAA	NOAA Data Explorer	https://data.noaa.gov/d
2015	ALL	N/A	Benthic cover data for coastal U.S.	Aerial Photogaphy	NOAA	NOAA Data Explorer	https://data.noaa.gov/d
Year	General Location	Coordinates	Name	Format	Creator	Source	Direct Link
1998	Panama City	NA	PFN Panama City Airport Photography	Aerial Photogaphy	NGS Aeron	NGS Aeronautical Survey F	http://www.ngs.noaa.g
Year	General Location	Coordinates	Name	Format	Creator	Source	Direct Link

UFDC: Map and Imagery Library



UF | George A Smathers Libraries University of Florida Digital Library

UFDC Home | Aerial Photography: Florida myUFDC

Aerial Photography: Florida

HOME MAP SEARCH VIEW ITEMS HELP

Click here to view instructions for this search interface

Address: **FIND ADDRESS** **SEARCH**

PRESS TO SELECT AREA
PRESS TO SELECT POINT

Map data ©2016 Google, INEGI Terms of Use Report a map error

Map Search FAQ

How do I search?

To perform a search, you first need to define your area or point of interest and then perform the search. There are several ways to define your area of interest. You can either enter an address to search or you can draw either a region or point on the map. Once you have defined your search, click the Search button to discover any matches to that location.

Map Satellite

Matching Tile
Other Tile



1942

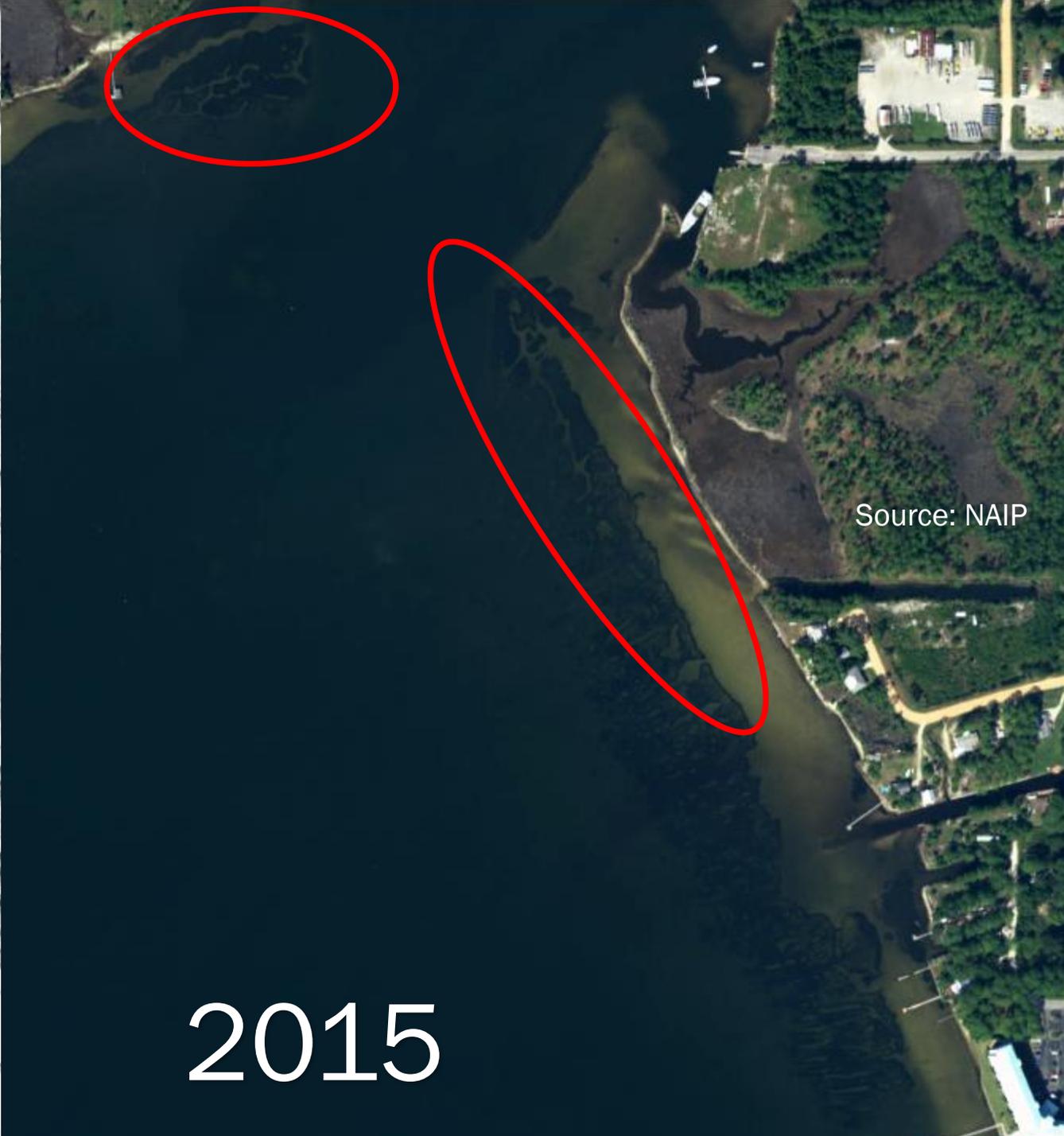
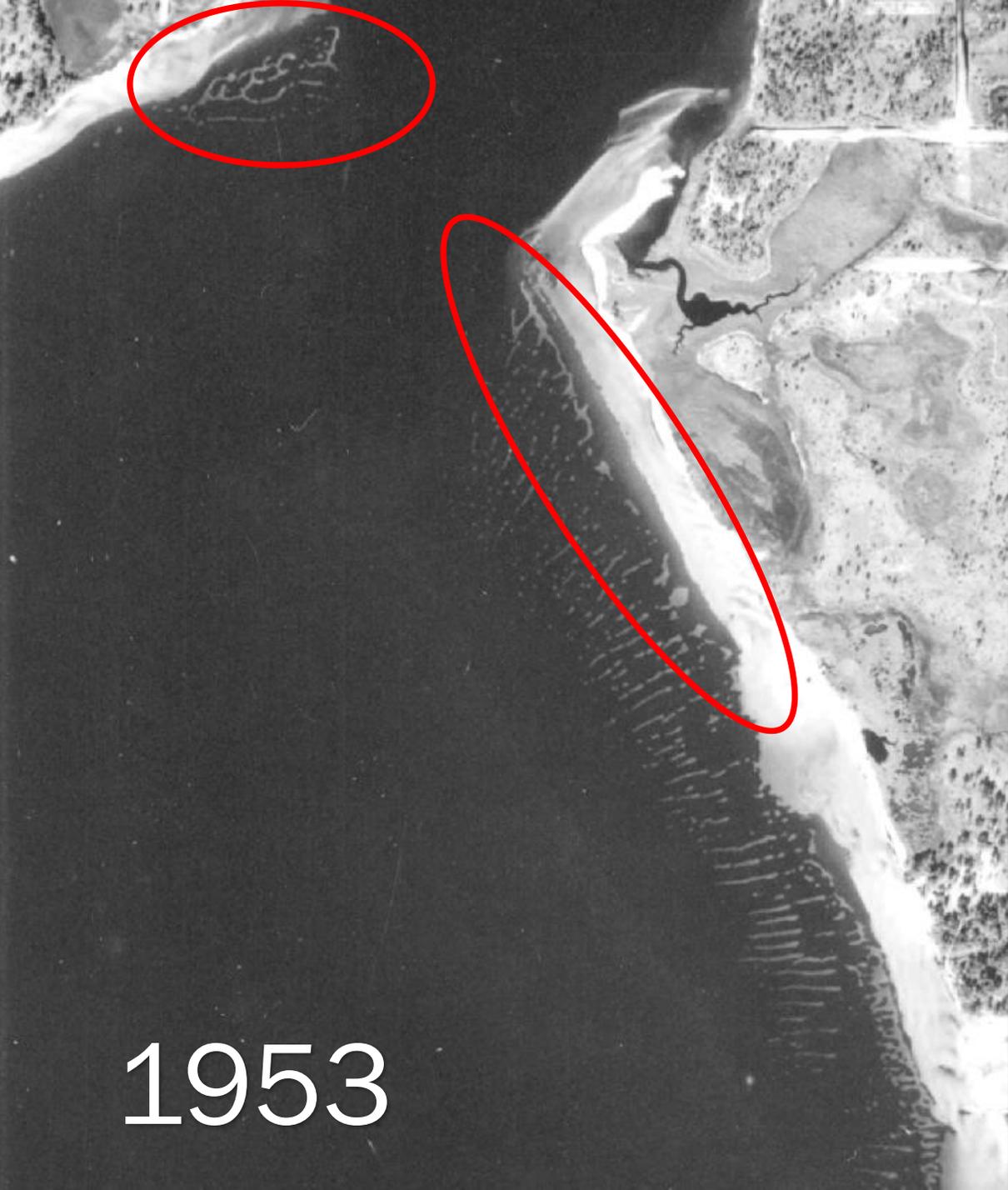


1953



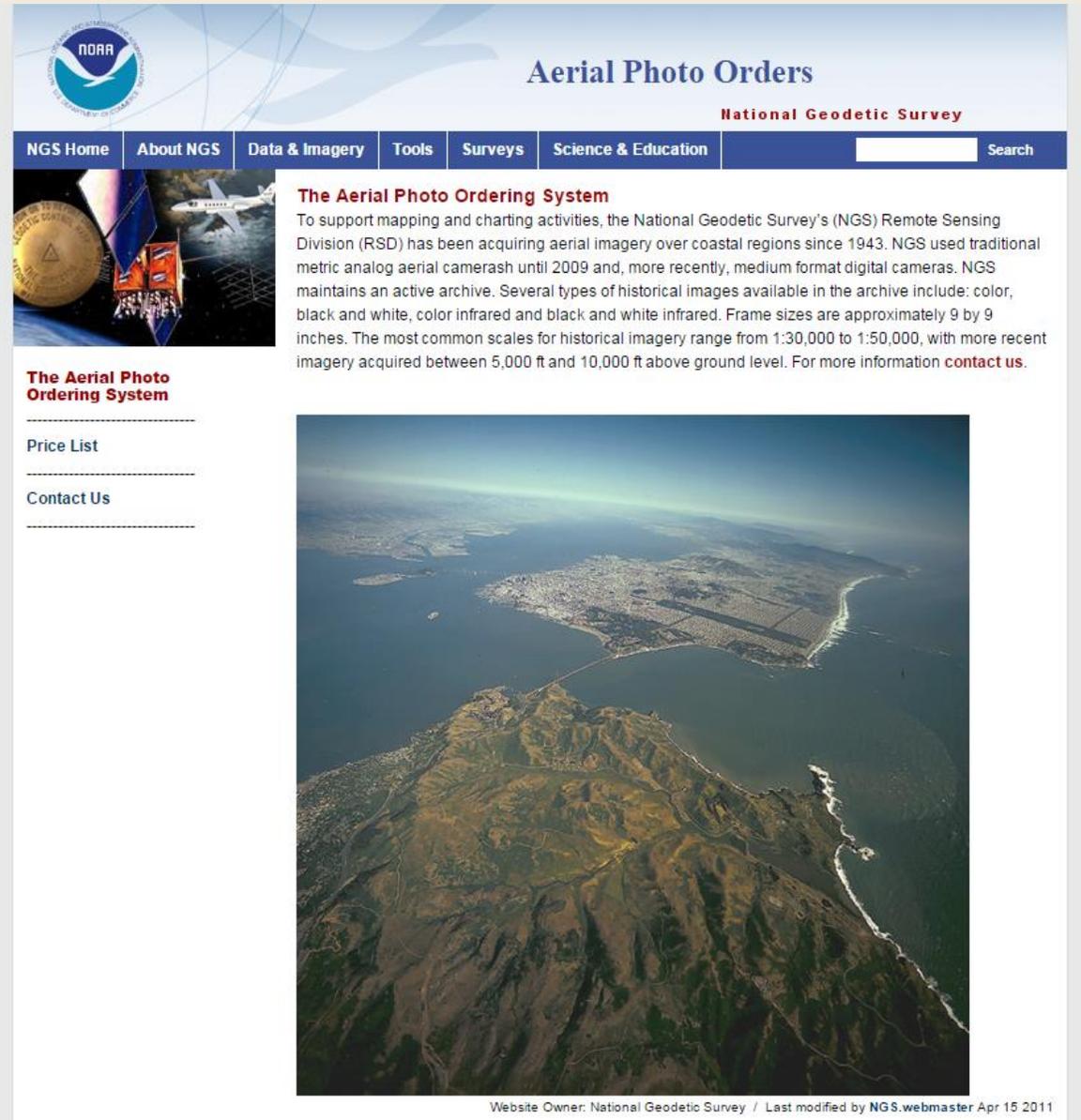
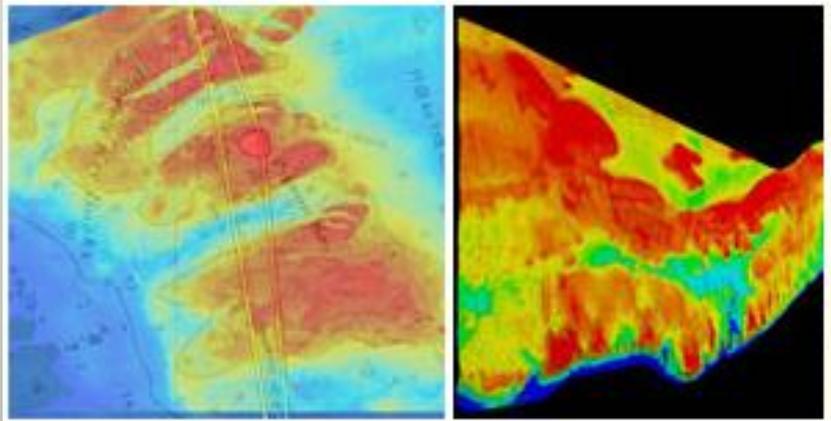
1964

West Bay: Timeline of Seagrass Loss



NOAA Data Catalog

- National Geodetic Survey (1943)
- LiDAR
- Ocean Imaging Corp.'s (2010)
 - *Deepwater Horizon MC252*



Aerial Photo Orders
National Geodetic Survey

NGS Home | About NGS | **Data & Imagery** | Tools | Surveys | Science & Education | Search

The Aerial Photo Ordering System

To support mapping and charting activities, the National Geodetic Survey's (NGS) Remote Sensing Division (RSD) has been acquiring aerial imagery over coastal regions since 1943. NGS used traditional metric analog aerial cameras until 2009 and, more recently, medium format digital cameras. NGS maintains an active archive. Several types of historical images available in the archive include: color, black and white, color infrared and black and white infrared. Frame sizes are approximately 9 by 9 inches. The most common scales for historical imagery range from 1:30,000 to 1:50,000, with more recent imagery acquired between 5,000 ft and 10,000 ft above ground level. For more information [contact us](#).

[The Aerial Photo Ordering System](#)

[Price List](#)

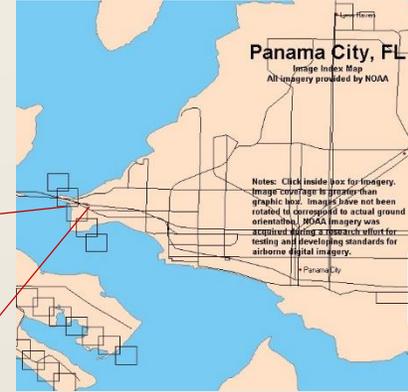
[Contact Us](#)



Website Owner: National Geodetic Survey / Last modified by NGS.webmaster Apr 15 2011

NOAA Coastal Mapping Program

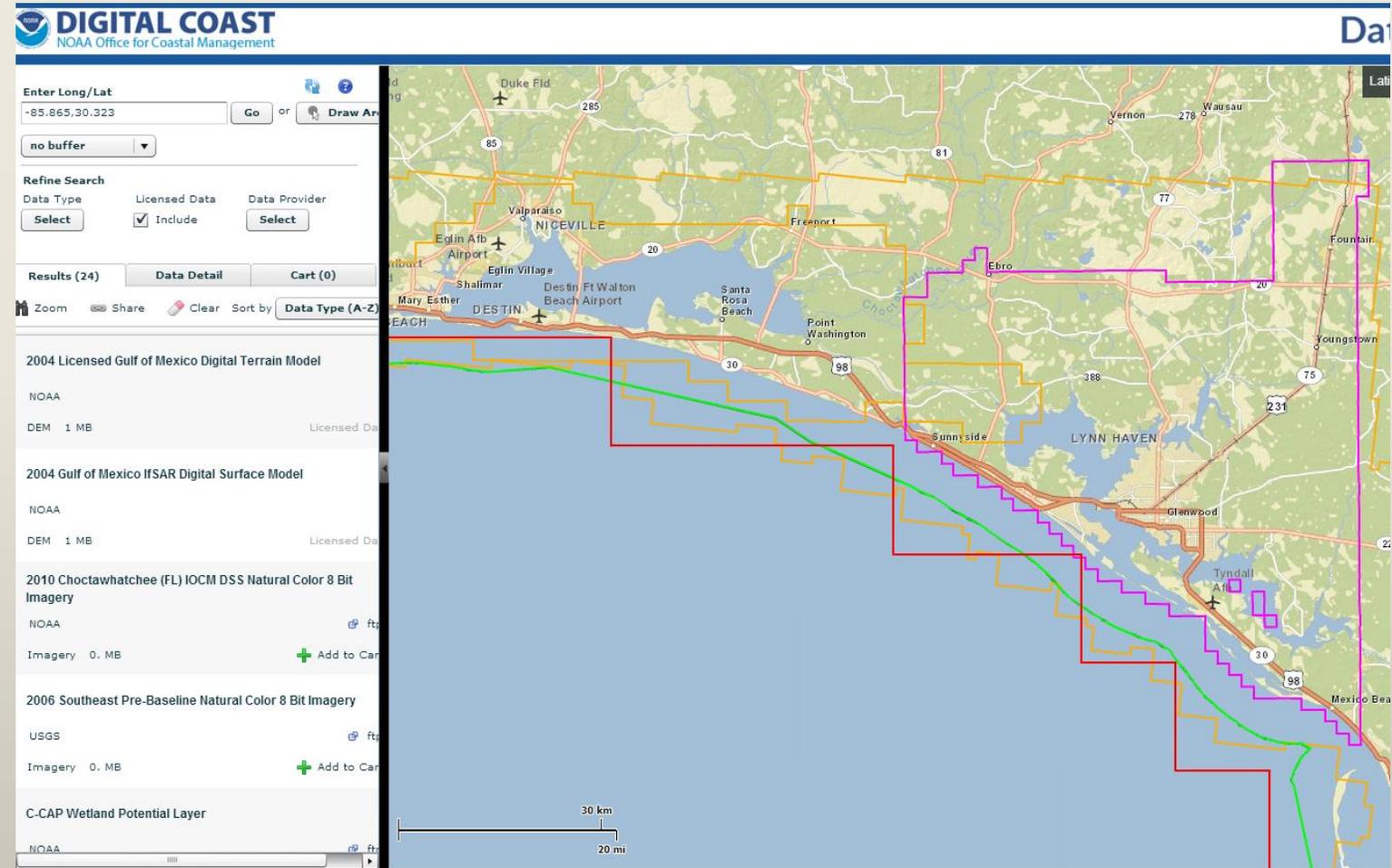
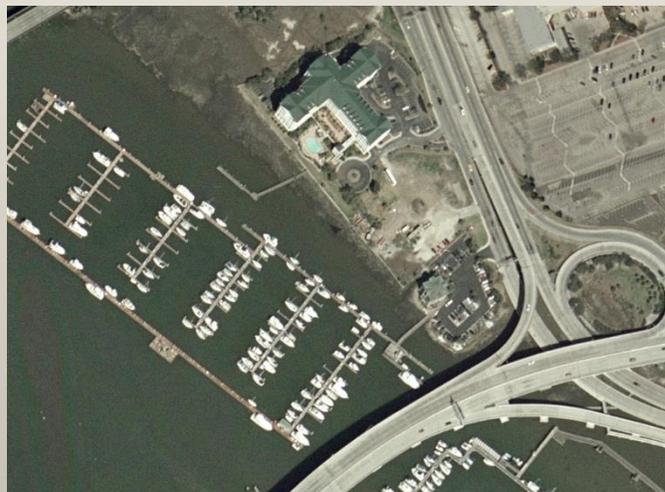
- Emergency Response Imagery
 - 2005: Hurricane Dennis



NOAA Digital Coast



- Ortho-rectified Mosaic Tiles (2006, 2010)
- Digital Terrain Elevation Map (2004)



USGS Earth Explorer

Search Criteria **Data Sets** Additional Criteria Results

2. Select Your Data Set(s)

Check the boxes for the data set(s) you want to search. When done selecting data set(s), click the *Additional Criteria* or *Results* buttons below. Click the plus sign next to the category name to show a list of data sets.

Use Data Set Prefilter ([What's This?](#))

Data Set Search:

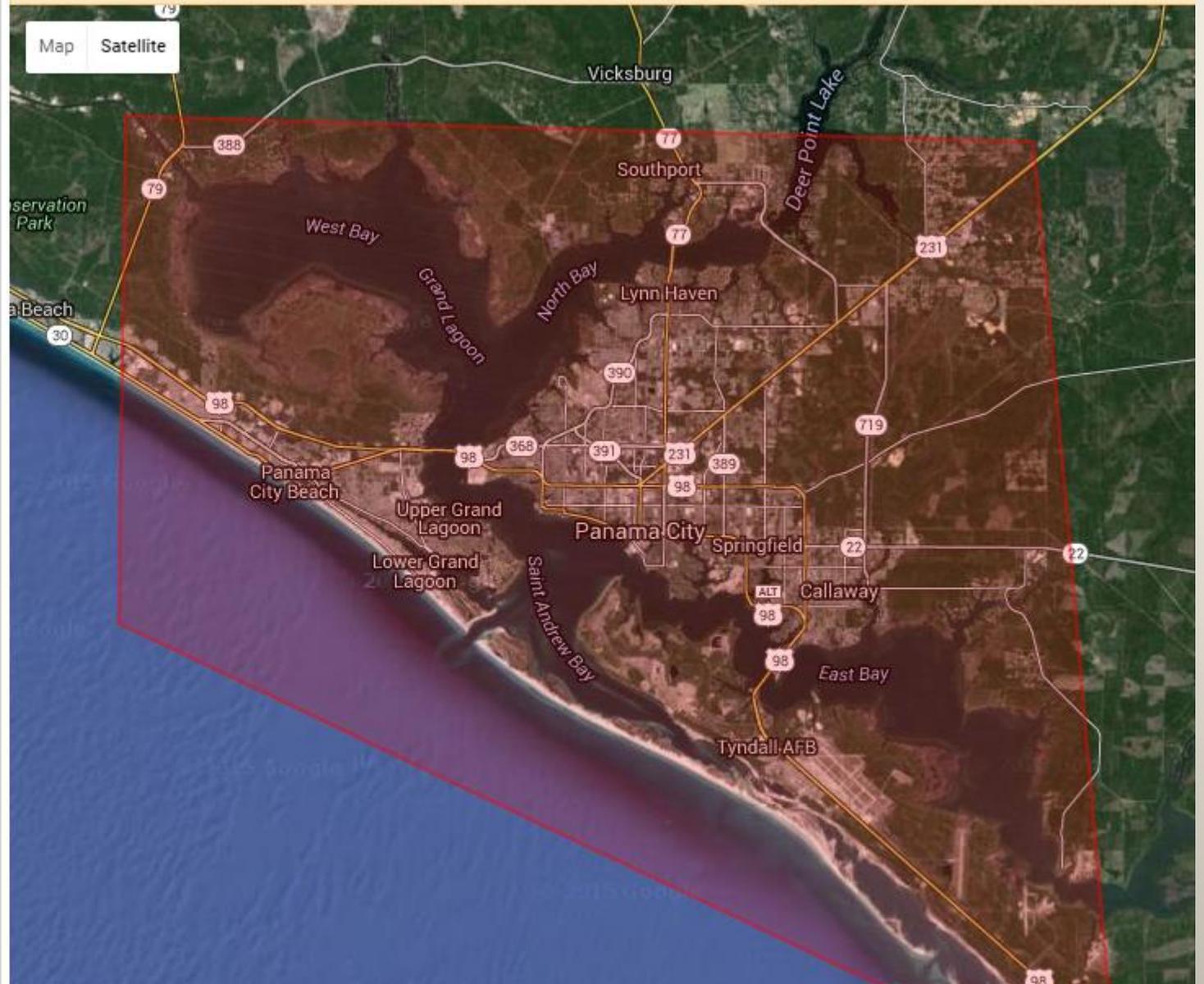
Aerial Imagery

- Aerial Photo Mosaics
- Aerial Photo Single Frames
- Aircraft Scanners
- Antarctic Flight Line Maps
- Antarctic Single Frames
- ASAS
- DOQ
- High Resolution Orthoimagery
- NAIP JPG2000
- NAPP
- NHAP
- PAO Image Gallery
- SD NRCS Section Photos
- SLAR
- Space Acquired Photography

AVHRR

CEOS Legacy

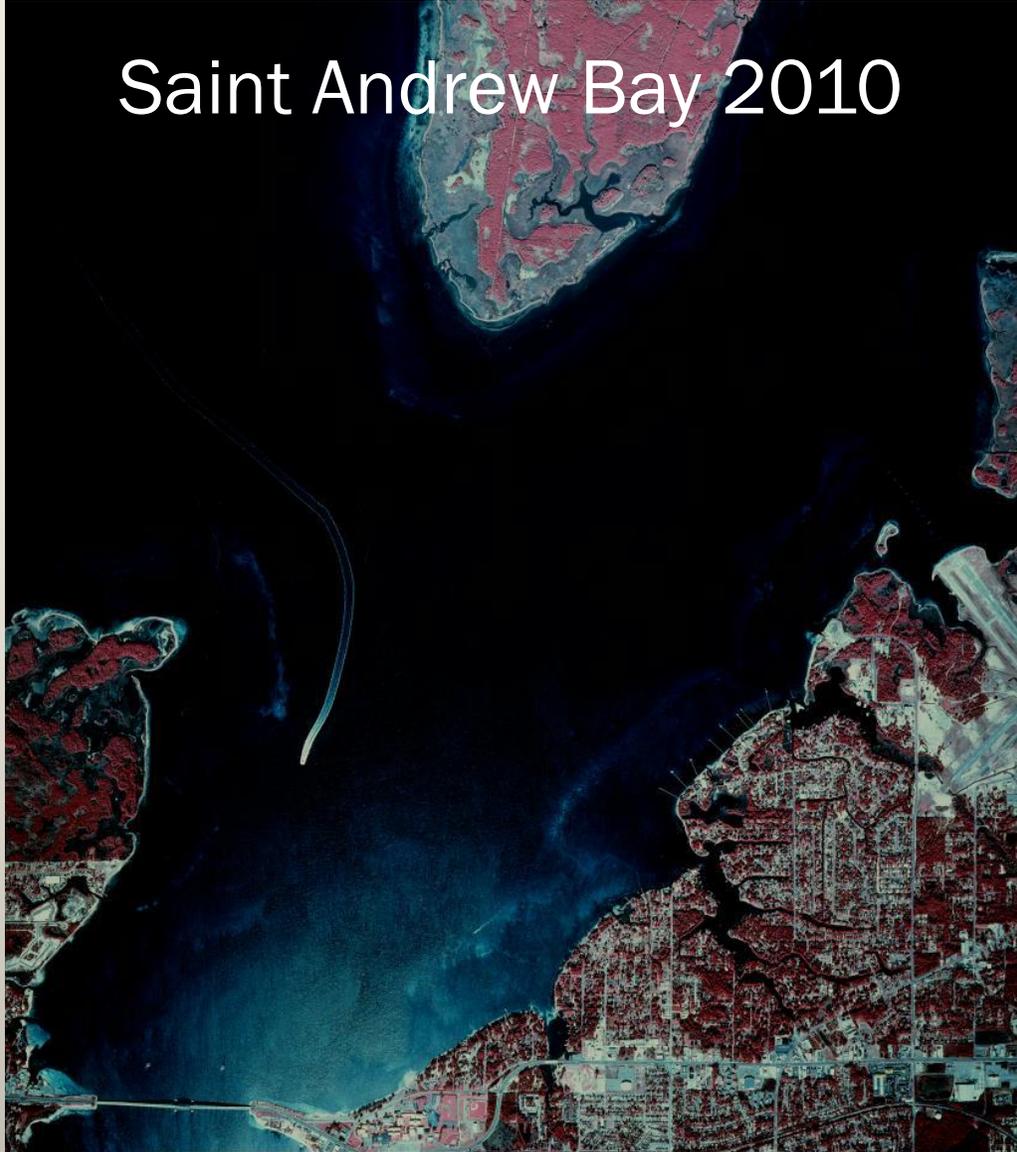
Search Criteria Summary (Show)



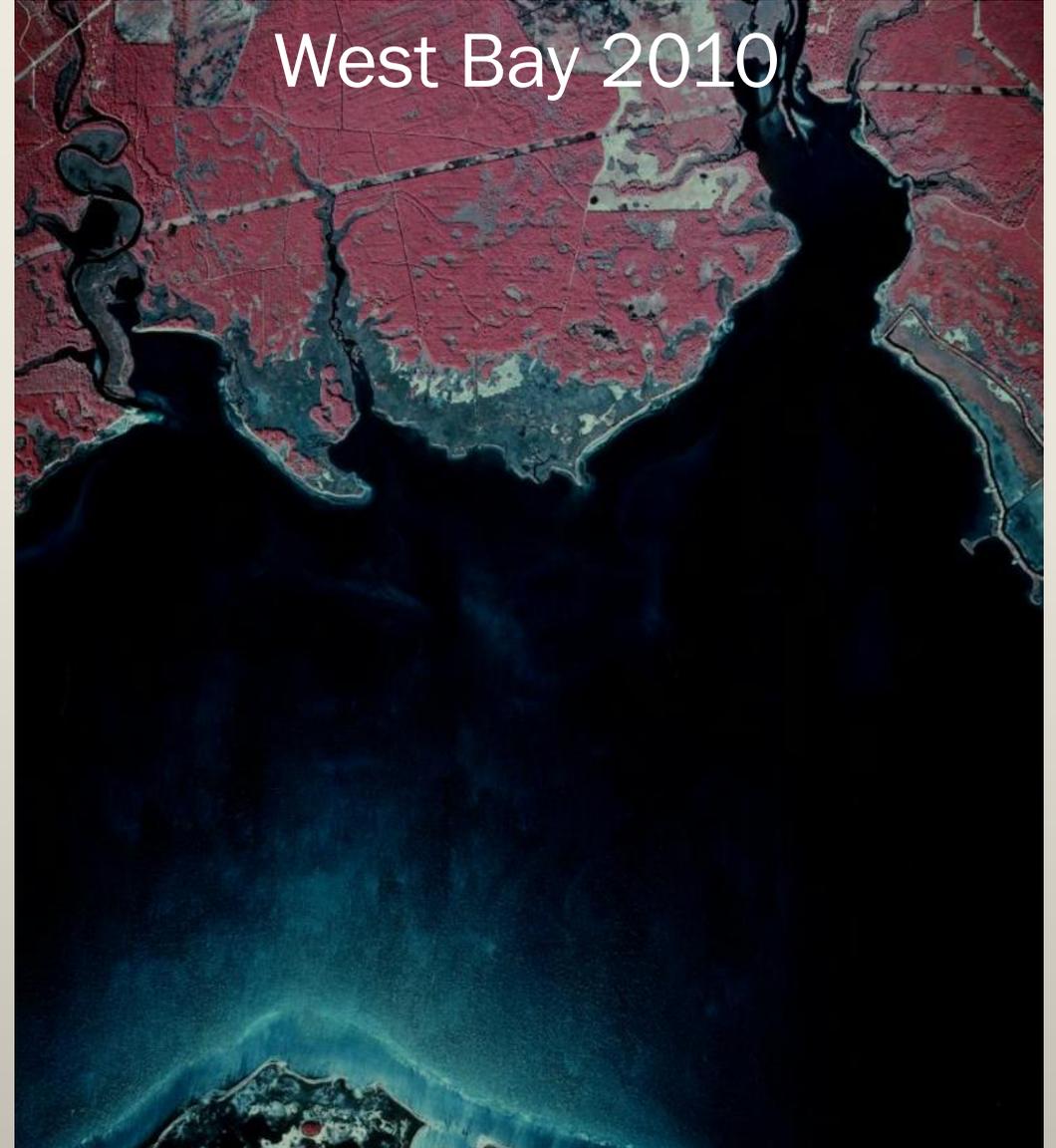
USGS Earth Explorer



Saint Andrew Bay 2010



West Bay 2010

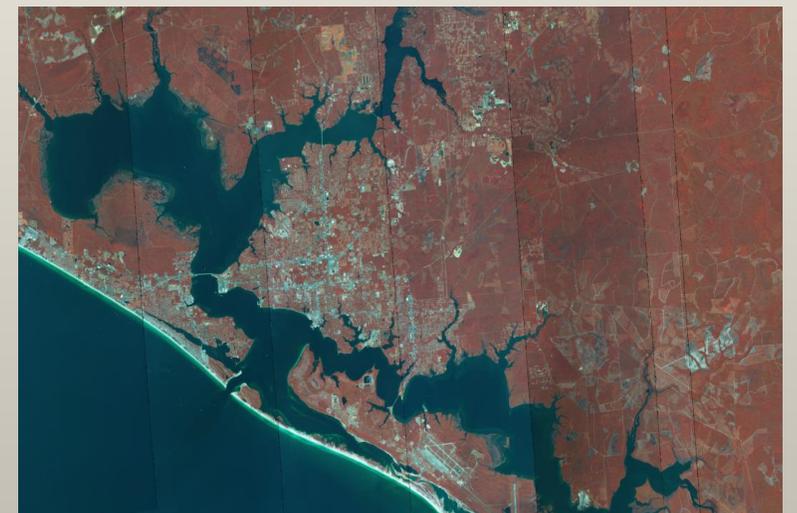
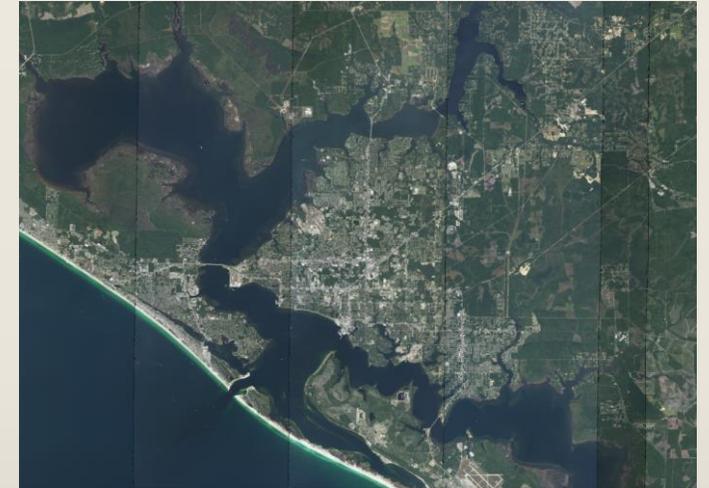


USDA NAIP Imagery

- National Agriculture Imagery Program (2003)



United States Department of Agriculture
Farm Service Agency



Additional aerial imagery sources?



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