HAWAII
REGIONAL SEDIMENT MANAGEMENT

INTERNET MAP SERVICE

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JESSICA PODOSKI, P.E.
JUSTIN PUMMELL
HONOLULU DISTRICT, USACE

TOPICS

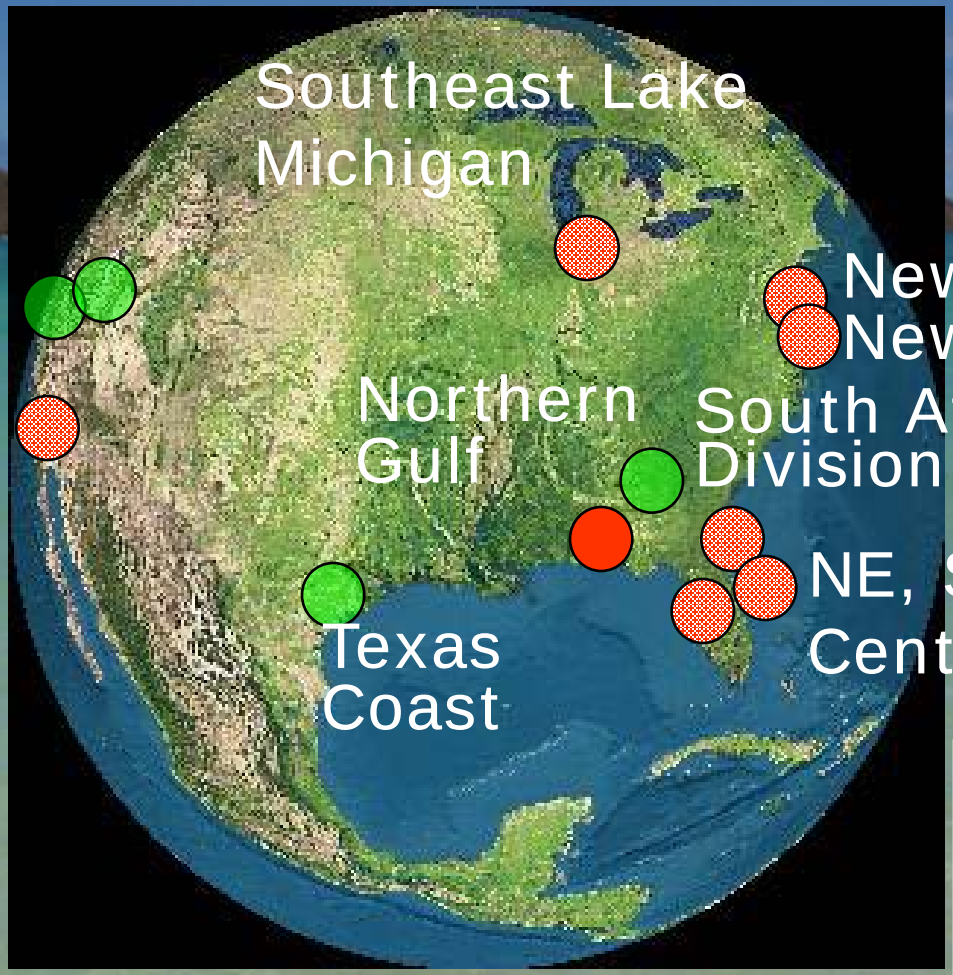
- REGIONAL SEDIMENT MANAGEMENT (RSM)
- SOUTHEAST OAHU RSM (SEO/RSM)
- SEO/RSM INTERNET MAP SERVICE (IMS)
- HAND-HELD INSPECTION TOOL (HHIT)

Regional Sediment Management

Regional Sediment Management

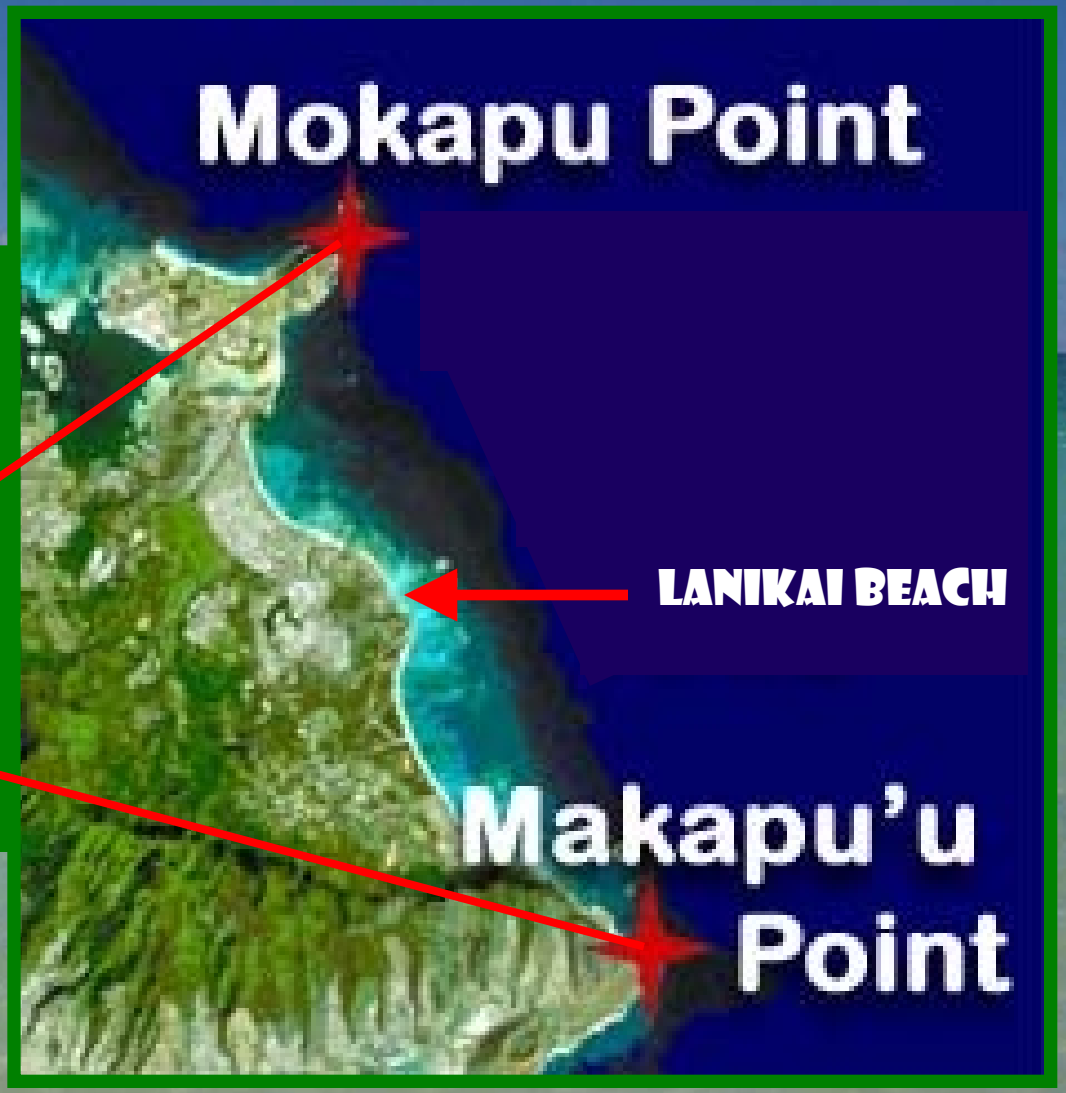
An integrated approach that takes a holistic view of coastal, estuary, and river sediments on a regional scale in the planning and maintenance of water resource projects to achieve balanced and sustainable systems.

NATIONAL RSM PROGRAM



SOUTHEAST OAHU RSM

SOUTHEAST OAHU RSM PROJECT AREA



WAIMANALO
BEACH

LANIKAI
"BEACH"?

SEO/RSM
INTERNET MAP SERVICE

U.S. Army Corps of Engineers - Honolulu Engineering District - Windows Internet Explorer

File Edit

http://www.poh.usace.army.mil/

U.S. Army Corps of Engineers - Honolulu Engineering ...

NEWSROOM | WHO WE ARE | MISSIONS | HISTORY | RELATED LINKS | KIDS CORNER

US Army Corps of Engineers®

RELEVANT
READY
RESPONSIVE
RELIABLE

Proudly serving the Armed Forces and the Nation now and in the future.

HOW DO I...
> Contact the Corps?
> Find a Recreation Area?
> Obtain a Permit?
> Get a Lease?
> Get a Job with the Corps?
> Contract with the Corps?
> Find a Local Corps Office?
> Find Corps Publications?
> Find a Corps Map?
> Advanced Search

Search | All Corps sites

GWOT Spirit of Volunteerism: District Volunteers Contribute Skills, Aloha Spirit to Iraqi, Afghan Nations

A steady flow of civilian deployments to Iraq and Afghanistan continue to be a high priority for the U.S. Army Corps of Engineers. Some civilians go for the adventure, while others go to enhance their

What's New...

Pacific Connection Winter 2009

Public Notices

Honolulu District Speakers Bureau

New: Afghanistan Volunteer Opportunities

The U.S. Army Corps of Engineers (POD & NWD) is inviting Corps employees, those of other federal agencies and those from the private sector, to consider serving their country as a civilian in the Afghanistan

(1 item remaining) Downloading picture http://www.poh.usace.army.mil/PA/photos/Jon%20Making%20Brick.jpg...

start | Power.wrk | Microsoft PowerPoint ... | U.S. Army Corps of E... | Po'ipu P

U.S. Army Corps of Engineers - Honolulu Engineering District - Windows Internet Explorer

File Edit

http://www.poh.usace.army.mil/

U.S. Army Corps of Engineers - Honolulu Engineering ...

Civil Works Projects

Web Site Improvement

Did you find what you were looking for?
Let us know how we can improve ...

Content Information Contact
CEPOH-PA@usace.army.mil
(808) 438-9862

HAWAII RSM

Features

Regional Sediment Management

Studying the islands from *mauka* (mountains) to *makai* (ocean), the Honolulu District and its partners hope to gain a better understanding of sediment transport, and improve upon how it is managed. [Read More...]

Army Corps of Engineers Offers Water Safety Tips

Drowning is the Nation's second leading cause of accidental death, yet it is possible -- just by wearing a life jacket -- to reduce drowning deaths. Statistics show that 90 percent of those who drown at U.S. Army Corps of Engineers lakes may have survived if they had done so. Here are safety tips from the Corps of Engineers to help recreation seekers keep fun in water-based activities over the summer. [Read More...]

Page Last Updated: March 02, 2009

Privacy and Security Notice
Information Quality Act(IQA)

Contains commands for working with the selected items.

start | Power.wrk | Microsoft PowerPoint ... | U.S. Army Corps of E... | Po'ipu P

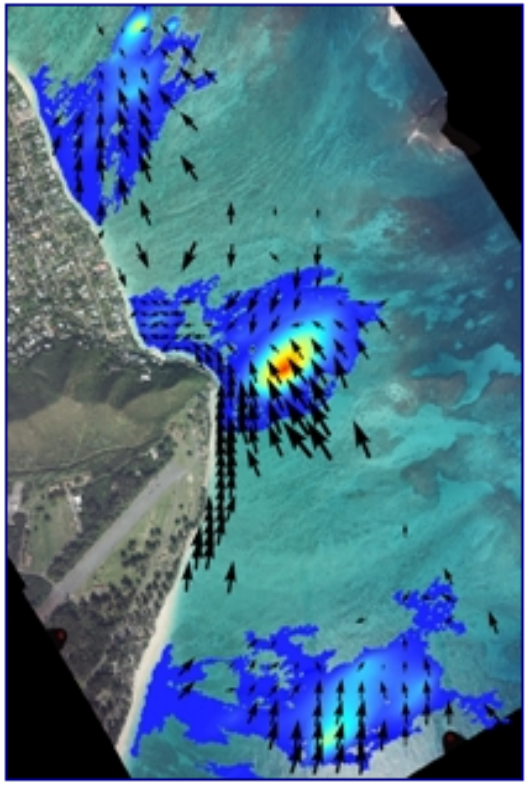
US Army Corps of Engineers®

HAWAII REGIONAL SEDIMENT MANAGEMENT

RELEVANT
READY
RESPONSIVE
RELIABLE

Proudly serving the Armed Forces and the Nation now and in the future.

Welcome to the U.S. Army Corps of Engineers, Honolulu District, Regional Sediment Management web site. Herein, you will find an abundant amount of information related to the Honolulu District's efforts on managing one of Hawaii's most valuable assets...sand. Studying the islands from mauka (mountains) to makai (ocean), the Honolulu District and its partners hope to gain a better understanding of sediment transport, and improve upon how it is managed. Please use the links to the left and above to navigate to your desired location.



>>>HOT NEWS

On-Line Map Room

Southeast Oahu Regional Sediment Management

Open Map Top Data Dictionary

Availability:

In January 2004, the U.S. Army Engineer District, Honolulu (POH), initiated the USACE Southeast Oahu Regional Sediment Management Demonstration Program. The goal of the demonstration program is to change the paradigm of project specific management to focusing on a regional approach in which USACE as well as state and local agencies stop managing projects and begin "managing the sand." The product of the RSM demonstration program is a Regional Sediment Management Plan consisting of a calibrated regional sediment budget, a calibrated numerical regional prediction system, and a regional data management and Geographic Information System.

Online GiS Maps home map room

Display Settings

Active Layer: Photographs

Zoom to Scale

1=853

Change Active Layer

Controls Layers Legend

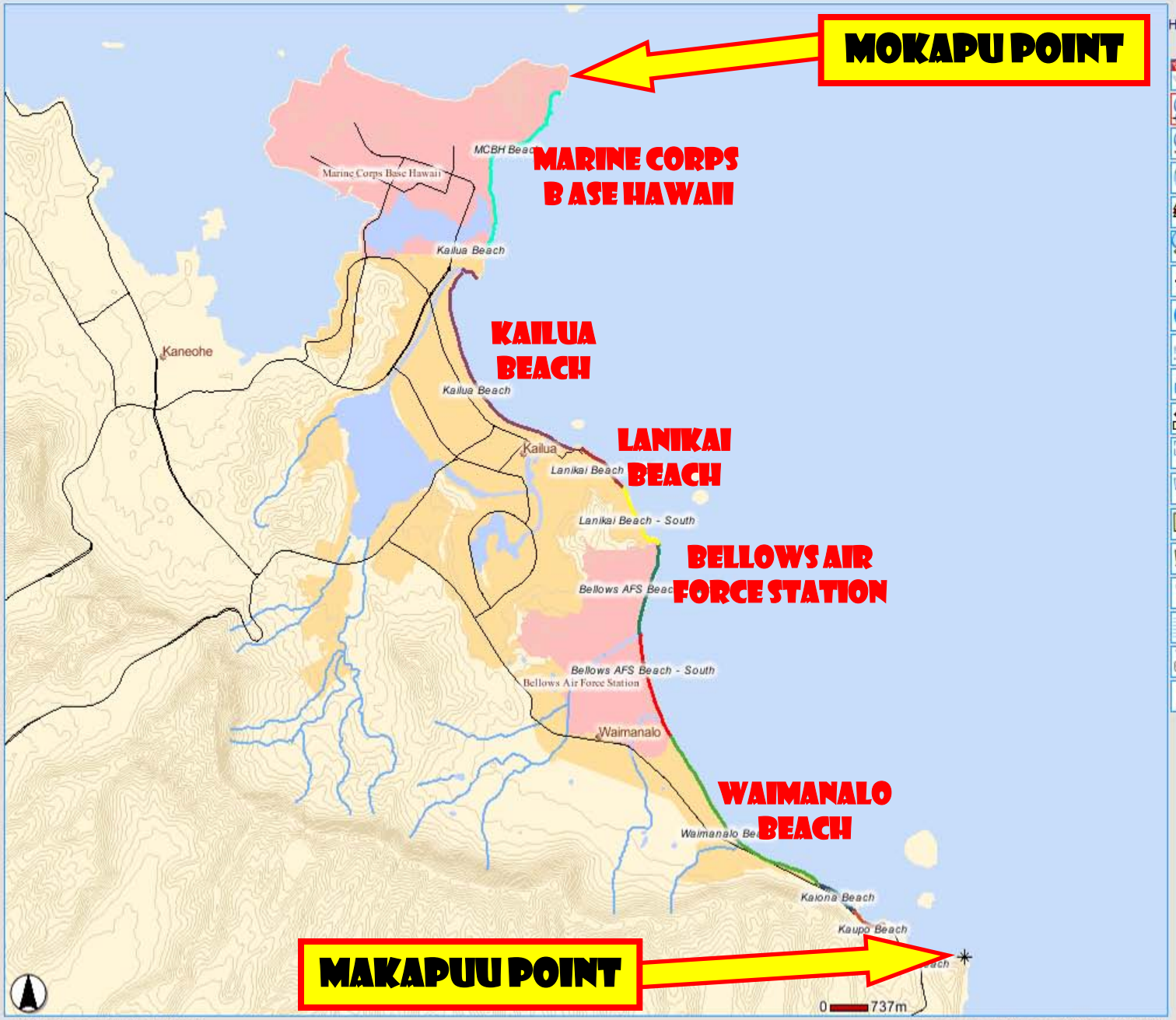
FEMA Flood Zone Info

Locate Coordinate

Enlarged Map

U.S. ARMY ENGINEER DISTRICT, HONOLULU
AMERICA'S ENGINEERS IN THE PACIFIC

Help



Width of map:22526 METERS

Map Datum: UTM Zone 4 North NAD83

Zoom In

Online GIS Maps

home | map room

Display Settings

Zoom to Scale

1=853

Change Active Layer

Help

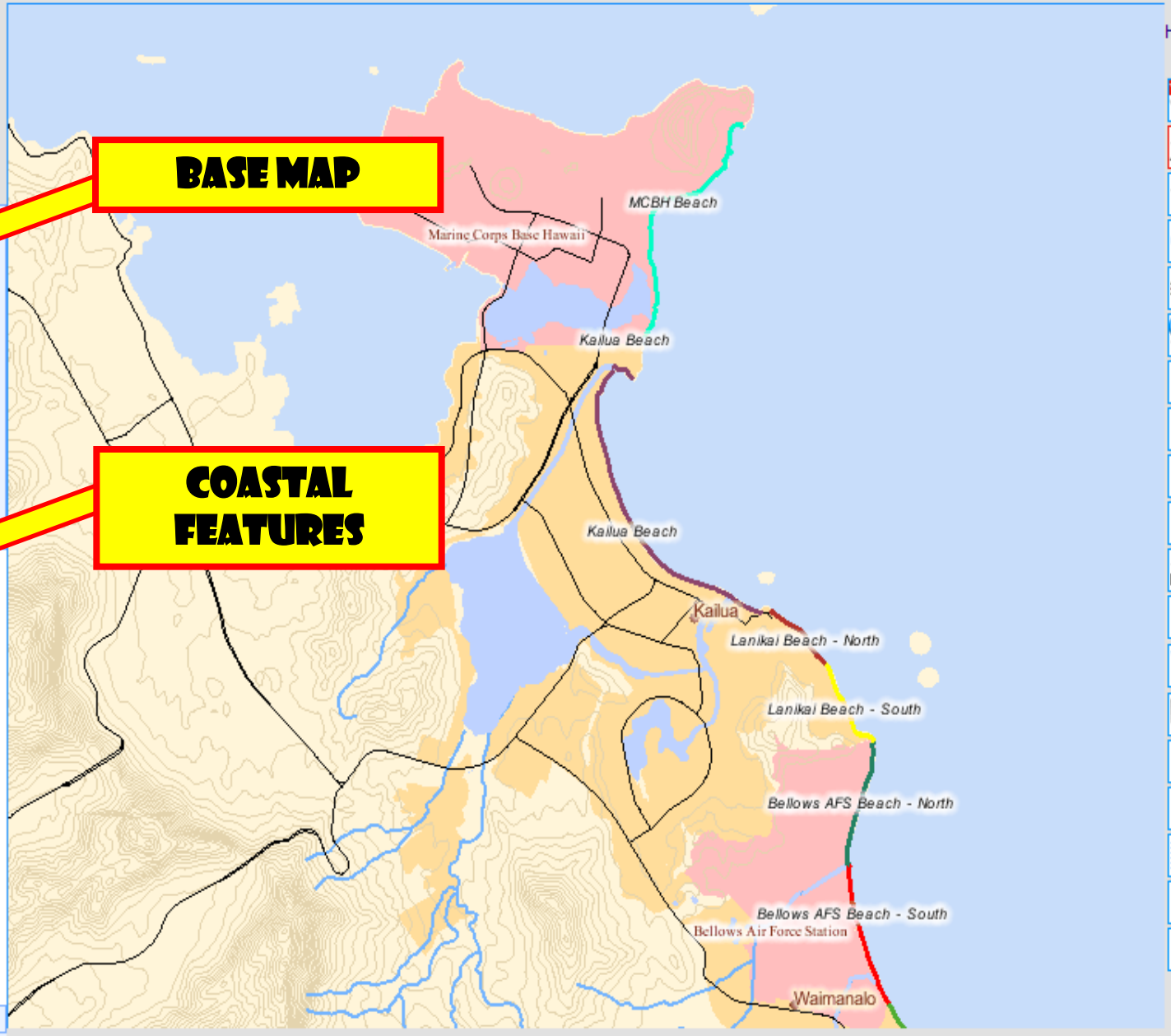
Controls | Layers | Legend

All Layers

- Base Map
  - Auhupuaa Boundary
  - City
  - Elevation (100-ft)
  - Island
  - Lake/Marsh
  - Land Parcels (TMK)
  - Major Roads
  - Military Installation
  - Minor Roads
  - Shoreline Cha 200
  - STWAVE
- Coastal Features
  - Beach Access Point
  - Beach Park
  - Benthic Habitat
  - Boat Ramp
  - Coral Reef
  - Fishpond
  - Flood Zone (FEMA)
  - Historic Tsunami Wave Heights
  - Jet Probe - Sand Thickness
  - Jetty
  - Lighthouse
  - Ocean
  - Photographs
  - Pier
  - Revetment

BASE MAP

COASTAL FEATURES



Width of map:22526 METERS

Zoom In

Map -- Northing: 2364743.23 , Easting: 622863.98 -- Image: 59 , 439

Trusted sites

100%

Online GIS Maps home map room

Display Settings

Zoom to Scale

1=853

Change Active Layer

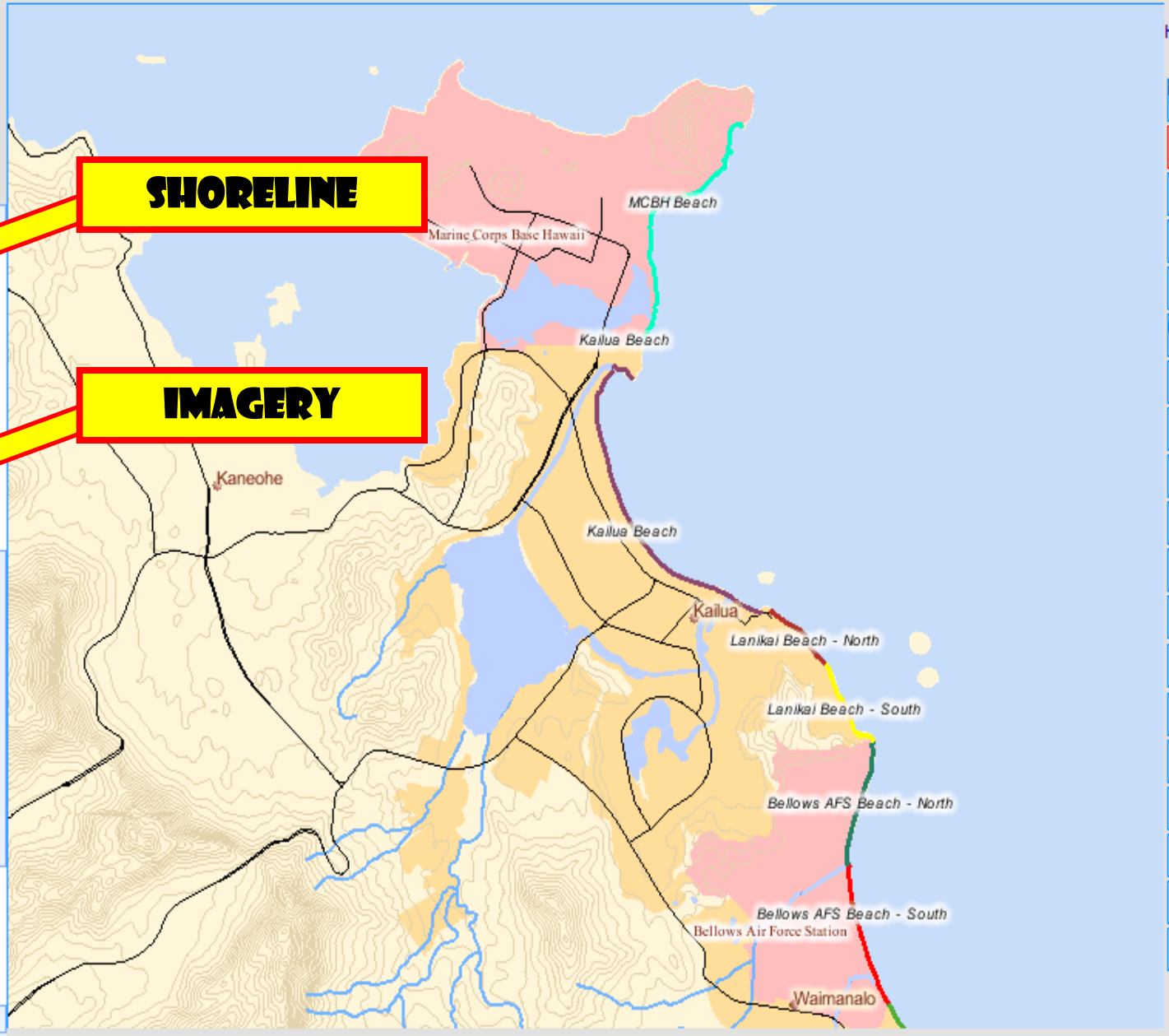
SHORELINE

IMAGERY

- Sand Sample
- Sea Bed Characteristics
- STWAVE Sa
- Imagery - 2
- Shoreline
- Sea Wall
- Shoreline - 1975 (Digitized)
- Shoreline - 2005 (Digitized)
- Shoreline - 2008 (GPS)
- Shoreline Reach
- Streams
- STWAV s (2001)
- Imagery
- Tsunami Evacuation Area
- Urban Area
- Imagery - 1949
- Imagery - 1951 (Bellows Only)
- Imagery - 1962 (Bellows Only)
- Imagery - 1963
- Imagery - 1967
- Imagery - 1975
- Imagery - 1988
- Imagery - 1996
- Imagery - 2005 (NRCS)
- Nautical Chart
- Sand - Kailua
- Topo Map

Refresh Map

Auto Refresh



Help

Width of map:22526 METERS

Zoom In

Trusted sites 100%

Online GIS Maps

home | map room

Display Settings

Active Layer: City

Zoom to Scale

1=39

Change Active Layer

- Pier
- Revetment
- Sand Sample
- Sea Bed Characteristics
- STWAVE Save Point
- Imagery - 2005 (UH)
- Shoreline
  - Sea Wall
  - Shoreline - 1975 (Digitized)
  - Shoreline - 2005 (Digitized)
  - Shoreline - 2008 (GPS)
  - Shoreline Reach
  - Streams
  - STWAVE Analysis (2001)
- Imagery
  - Tsunami Evacuation Area
  - Urban Area
  - Imagery - 1949
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  - Imagery - 1963
  - Imagery - 1967
  - Imagery - 1975
  - Imagery - 1988
  - Imagery - 1996
  - Imagery - 2005 (NRCS)
  - Nautical Chart
  - Sand - Kailua
  - Topo Map

Refresh Map

Help

View Map

Width of map:1043 METERS

Map Datum: UTM Zone 4 North NAD83

Pan

Map -- Northing: 2369782.02 , Easting: 630728.33 -- Image: 747 , 83

Trusted sites

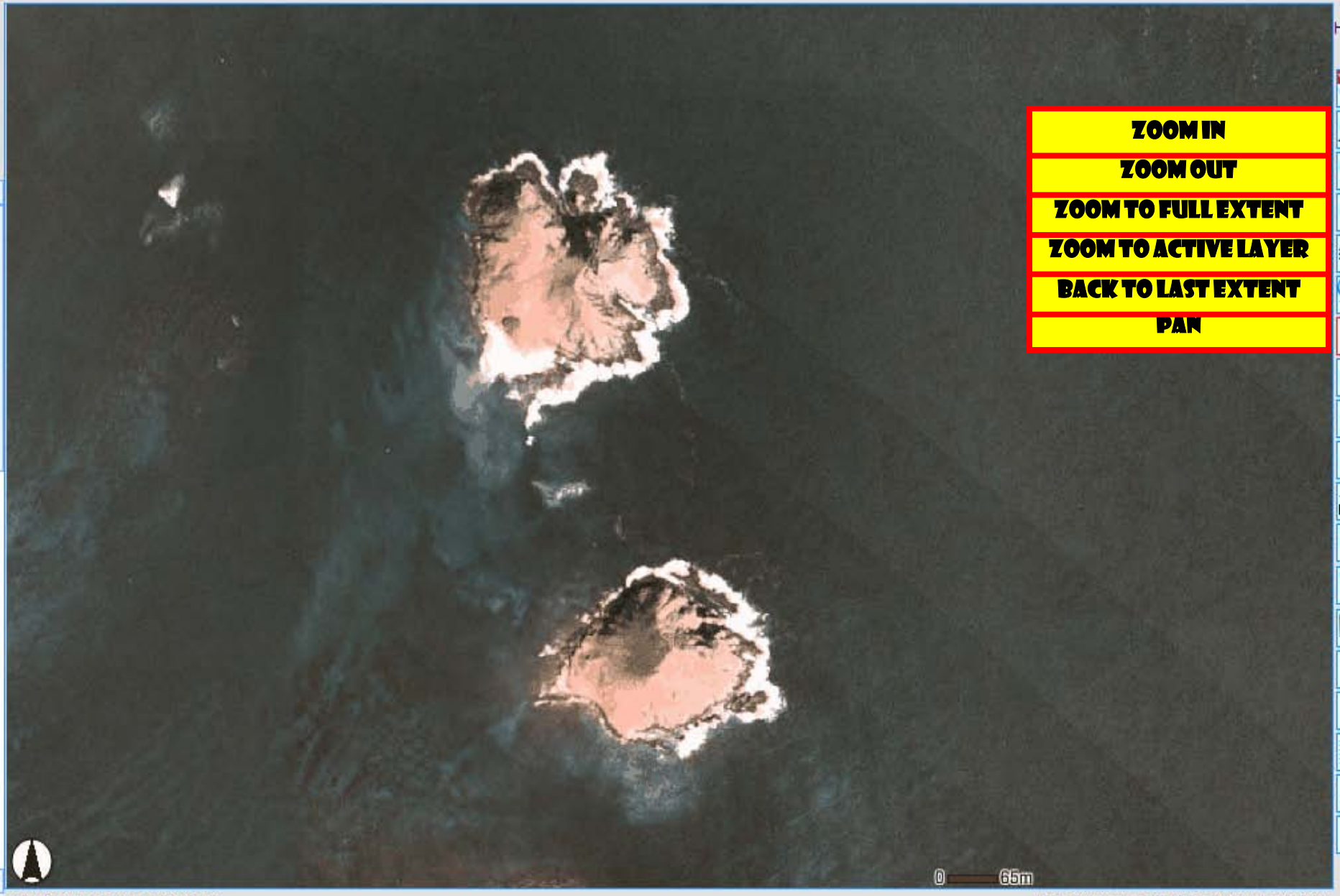
100%

ome | map room

Display Settings

Active Layer: Photographs

Help



ZOOM IN

ZOOM OUT

ZOOM TO FULL EXTENT

ZOOM TO ACTIVE LAYER

BACK TO LAST EXTENT

PAN

Width of map:1715 METERS

Map Datum: UTM Zone 4 North NAD83

-- Image: 575 , 277

Trusted sites

100%

Query/Selection Results - Windows Internet Explorer

Sand Sample

Locate	GIS_ID	COMMENTS	DATE	TIME	PHOTO_LINK
1	8	Sand Sample 08	Thu Sep 29 2005	11:59:33am	sand_sample_08.jpg

Active Layer: Sand Sample

Help

Change Active Layer

- Sand Sample
- Sea Bed Characteristics
- STWAVE Save Point
- Imagery - 2005 (UH)
- Shoreline
  - Sea Wall
  - Shoreline - 1975 (Digitized)
  - Shoreline - 2005 (Digitized)
  - Shoreline - 2008 (GPS)
  - Shoreline Reach
  - Streams
  - STWAVE Analysis (2001)
- Imagery
  - Tsunami Evacuation Area
  - Urban Area
  - Imagery - 1949
  - Imagery - 1951 (Bellows Only)
  - Imagery - 1962 (Bellows Only)
  - Imagery - 1963
  - Imagery - 1967
  - Imagery - 1975
  - Imagery - 1988
  - Imagery - 1996
  - Imagery - 2005 (NRCS)
  - Nautical Chart
  - Sand - Kailua
  - Topo Map

Refresh Map

Auto Refresh

IDENTIFY

Width of map:1318 METERS

Map Datum: UTM Zone 4 North NAD83

Identify

sand_sample_08.jpg

http://gis.poh.usace.army.mil/maproom/common/vtoolbar.asp - Windows Internet Explorer

Custom Query Window

Field	Operator	Value	Other Operators
GIS_ID	=		And Or
ring	Get Samples	Execute UnDo Clear	Not ( )

GIS_ID
COMMENTS
DATE
TIME
PHOTO_LINK

Done | Trusted sites | 100%

Sample

Help

QUERY

- Sand Sample
- Sea Bed Characteristics
- STWAVE Save Point
- Imagery - 2005 (UH)
- Shoreline
  - Sea Wall
  - Shoreline - 1975 (Digitized)
  - Shoreline - 2005 (Digitized)
  - Shoreline - 2008 (GPS)
  - Shoreline Reach
  - Streams
  - STWAVE Analysis (2001)
- Imagery
  - Tsunami Evacuation Area
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  - Imagery - 1949
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  - Imagery - 1963
  - Imagery - 1967
  - Imagery - 1975
  - Imagery - 1988
  - Imagery - 1996
  - Imagery - 2005 (NRCS)
  - Nautical Chart
  - Sand - Kailua
  - Topo Map

Refresh Map

Auto Refresh

Width of map:983 METERS

Map Datum: UTM Zone 4 North NAD83

Southeast Oahu Regional Sediment Management - Windows Internet Explorer

File Edit View Favorites Tools Help

Online GIS Maps

home map room

Display Settings

Active Layer: Shoreline - 2008 (GPS)

Zoom to Scale

1=31

Change Active Layer

Find - Windows Internet Explorer

Find (Search is Case-Sensitive)

Enter String to Find in Sand Sample:

Find String

Trusted sites

100%

FIND

Help

- Sand Sample
- Sea Bed Characteristics
- STWAVE Save Point
- Imagery - 2005 (UH)
- Shoreline
  - Sea Wall
  - Shoreline - 1975 (Digitized)
  - Shoreline - 2005 (Digitized)
  - Shoreline - 2008 (GPS)
  - Shoreline Reach
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  - Imagery - 1967
  - Imagery - 1975
  - Imagery - 1988
  - Imagery - 1996
  - Imagery - 2005 (NRCS)
  - Nautical Chart
  - Sand - Kailua
  - Topo Map

Refresh Map

Auto Refresh

Width of map:848 METERS

Map Datum: UTM Zone 4 North NAD83

Online GiS Maps

home | map room

Display Settings

Active Layer: Sand Sample

Zoom to Scale

1=49

Change Active Layer

- Sand Sample
- Sea Bed Characteristics
- STWAVE Save Point
- Imagery - 2005 (UH)
- Shoreline
  - Sea Wall
  - Shoreline - 1975 (Digitized)
  - Shoreline - 2005 (Digitized)
  - Shoreline - 2008 (GPS)
  - Shoreline Reach
  - Streams
  - STWAVE Analysis (2001)
- Imagery
  - Tsunami Evacuation Area
  - Urban Area
  - Imagery - 1949
  - Imagery - 1951 (Bellows Only)
  - Imagery - 1962 (Bellows Only)
  - Imagery - 1963
  - Imagery - 1967
  - Imagery - 1975
  - Imagery - 1988
  - Imagery - 1996
  - Imagery - 2005 (NRCS)
  - Nautical Chart
  - Sand - Kailua
  - Topo Map

Refresh Map

Auto Refresh

Total: 0 FEET | Segment: 1434.98 FEET | Angle: 311.72

Help

MEASURE

Northing: 2366116.9
Easting: 633063.9

623.6'@44.16

Northing: 2365980.5
Easting: 632931.5

Measure - Windows I...

Measure

Restart

Delete Last Point

Complete Measure

0
270 90
180

Display/Unit Options

Bearing and Distance: ☑

Bearing Distance: FEET

Place Corner Coordinates: ☑

Trusted sites | 100%

Width of map:1318 METERS

Map Datum: UTM Zone 4 North NAD83

Southeast Oahu Regional Sediment Management - Windows Internet Explorer

File Edit View Favorites Tools Help

Online GIS Maps

home map room

Display Settings

Active Layer: Sand Sample

Zoom to Scale

1=844

Change Active Layer

- Sand Sample
- Sea Bed Characteristics
- STWAVE Save Point
- Imagery - 2005 (UH)
- Shoreline
  - Sea Wall
  - Shoreline - 1975 (Digitized)
  - Shoreline - 2005 (Digitized)
  - Shoreline - 2008 (GPS)
  - Shoreline Reach
  - Streams
  - STWAVE Analysis (2001)
- Imagery
  - Tsunami Evacuation Area
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  - Imagery - 1967
  - Imagery - 1975
  - Imagery - 1988
  - Imagery - 1996
  - Imagery - 2005 (NRCS)
  - Nautical Chart
  - Sand - Kailua
  - Topo Map

Refresh Map

Auto Refresh

Help

Kaneohe

Kailua

Waimanalo

SELECT BY TRAINGLE

Width of map:22488 METERS

Map Datum: UTM Zone 4 North NAD83

Query/Selection Results - Windows Internet Explorer

Sand Sample

Locate	Zoom(2X)	GIS_ID	COMMENTS	DATE	TIME	PHOTO_LINK
1	Zoom	17	Sand Sample 17	Wed Oct 19 2005	09:16:09am	sand_sample_17.jpg
2	Zoom	18	Sand Sample 18	Wed Oct 19 2005	09:27:55am	sand_sample_18.jpg
3	Zoom	19	Sand Sample 19	Wed Oct 19 2005	09:56:21am	sand_sample_19.jpg
4	Zoom	20	Sand Sample 20	Wed Oct 19 2005	10:28:40am	sand_sample_20.jpg
5	Zoom	21	Sand Sample 21	Wed Oct 19 2005	10:55:55am	sand_sample_21.jpg

Active Layer: Sand Sample

Help

Select Polygon - Windows Internet Explorer

Select with Line or Polygon

Restart | Complete Line & Select

Delete Last Point | Complete Polygon & Select

Done | Trusted sites | 100%

- Streams
- STWAVE Analysis (2001)
- Imagery
  - Tsunami Evacuation Area
  - Urban Area
  - Imagery - 1949
  - Imagery - 1951 (Bellows Only)
  - Imagery - 1962 (Bellows Only)
  - Imagery - 1963
  - Imagery - 1967
  - Imagery - 1975
  - Imagery - 1988
  - Imagery - 1996
  - Imagery - 2005 (NRCS)
  - Nautical Chart
  - Sand - Kailua
  - Topo Map

Refresh Map

Auto Refresh

Kaneohe

Kailua

Waimanalo

SELECT BY POLYGON

Width of map:22488 METERS

Map Datum: UTM Zone 4 North NAD83

Southeast Oahu Regional Sediment Management - Windows Internet Explorer

File Edit View Favorites Tools Help

Online GIS Maps

home map room

Display Settings

Active Layer: Shoreline - 2008 (GPS)

Zoom to Scale

1=31

Change Active Layer

- Sand Sample
- Sea Bed Characteristics
- STWAVE Save Point
- Imagery - 2005 (UH)
- Shoreline
  - Sea Wall
  - Shoreline - 1975 (Digitized)
  - Shoreline - 2005 (Digitized)
  - Shoreline - 2008 (GPS)
  - Shoreline Reach
  - Streams
  - STWAVE Analysis (2001)
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  - Imagery - 1963
  - Imagery - 1967
  - Imagery - 1975
  - Imagery - 1988
  - Imagery - 1996
  - Imagery - 2005 (NRCS)
  - Nautical Chart
  - Sand - Kailua
  - Topo Map

Refresh Map

Auto Refresh

Help

Northing: 2363343.8
Easting: 633793.3

Northing: 2363251
Easting: 633776.4

Northing: 2363216.4
Easting: 633726.7

Northing: 2363096.6
Easting: 633723.3

PLACE COORDINATE LABEL

Width of map:848 METERS

Map Datum: UTM Zone 4 North NAD83

Online GiS Maps

home | map room

Display Settings

Active Layer: City

Zoom to Scale

1=35

Change Active Layer

Pier
Revetment
Sand Sample
Sea Bed Characteristics
STWAVE Save Point
Imagery - 2005 (UH)
Shoreline
Sea Wall
Shoreline - 1975 (Digitized)
Shoreline - 2005 (Digitized)
Shoreline - 2008 (GPS)
Shoreline Reach
Streams
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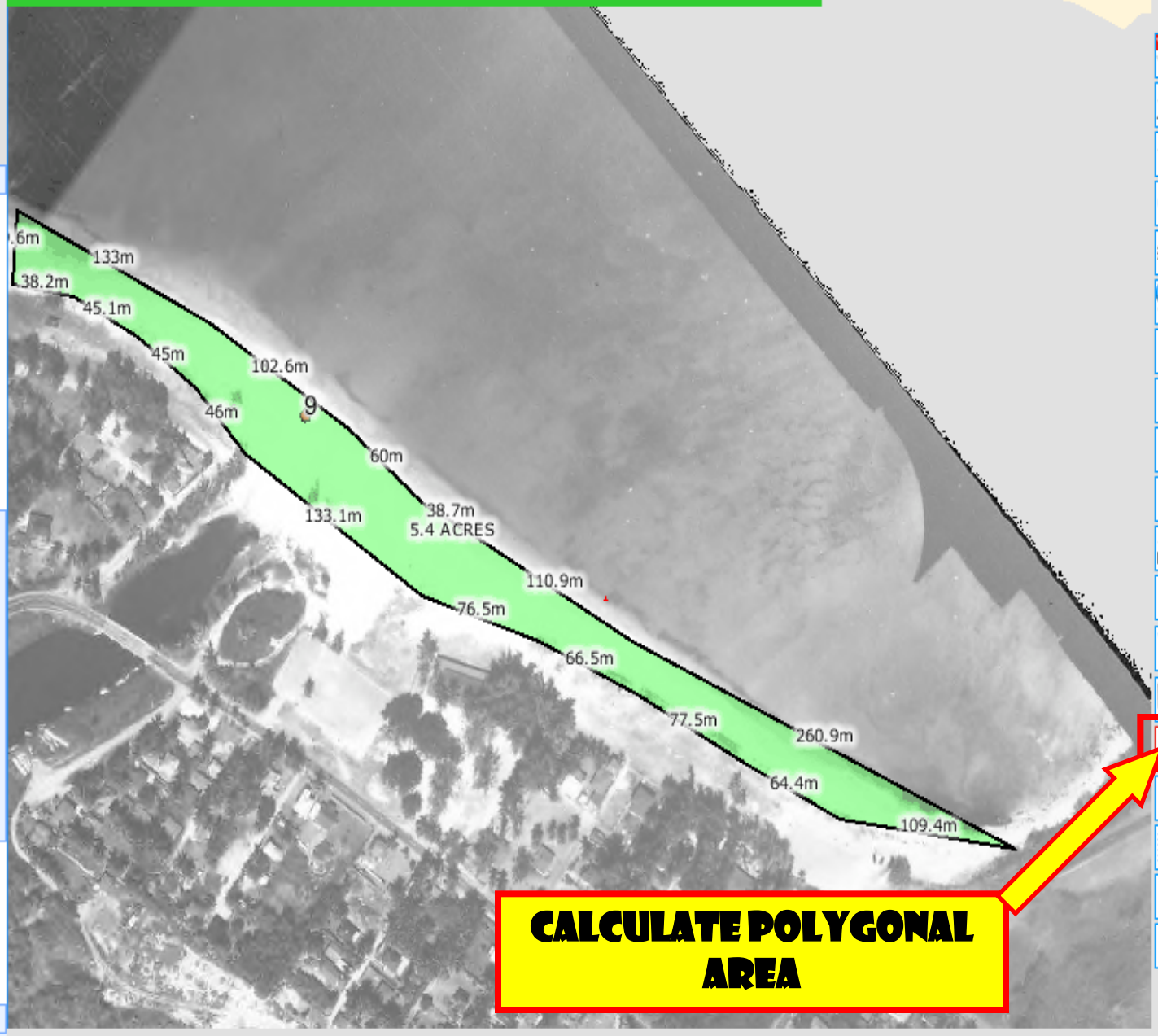
Imagery - 1963
Imagery - 1967
Imagery - 1975
Imagery - 1988
Imagery - 1996
Imagery - 2005 (NRCS)
Nautical Chart
Sand - Kailua
Topo Map

Refresh Map

Total: 0 METERS | Segment: 381.21 METERS | Angle: 275.95

Help



CALCULATE POLYGONAL AREA

Width of map:946 METERS

Map Datum: UTM Zone 4 North NAD83

Online GIS Maps

home | map room

Display Settings

Active Layer: City

Zoom to Scale

1=35

Change Active Layer

- Pier
- Revetment
- Sand Sample
- Sea Bed Characteristics
- STWAVE Save Point
- Imagery - 2005 (UH)
- Shoreline
  - Sea Wall
  - Shoreline - 1975 (Digitized)
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  - Imagery - 1951 (Bellows Only)
  - Imagery - 1962 (Bellows Only)
  - Imagery - 1963
  - Imagery - 1967
  - Imagery - 1975
  - Imagery - 1988
  - Imagery - 1996
  - Imagery - 2005 (NRCS)
  - Nautical Chart
  - Sand - Kailua
  - Topo Map

Refresh Map

Total: 0 METERS Segment: 0 METERS Angle: 0

Help

CALCULATE POLYGONAL AREA

Width of map:946 METERS

Map Datum: UTM Zone 4 North NAD83

Southeast Oahu Regional Sediment Management - Windows Internet Explorer

Map Text - Windows Internet Explorer

Add Map Text

Total saved text strings: 0

Map Text	WAIMANALO BEACH		
Text Angle	0	Text Size	18pt
Color	Green	Style	Bold

Usage: Enter Map Text and place it by clicking on the map. In order to save your text, your browser must be allowed to save cookies. Click the **i** button to check your current cookie setting.

Trusted sites 100%

Display Settings

Active Layer: Photographs

Help

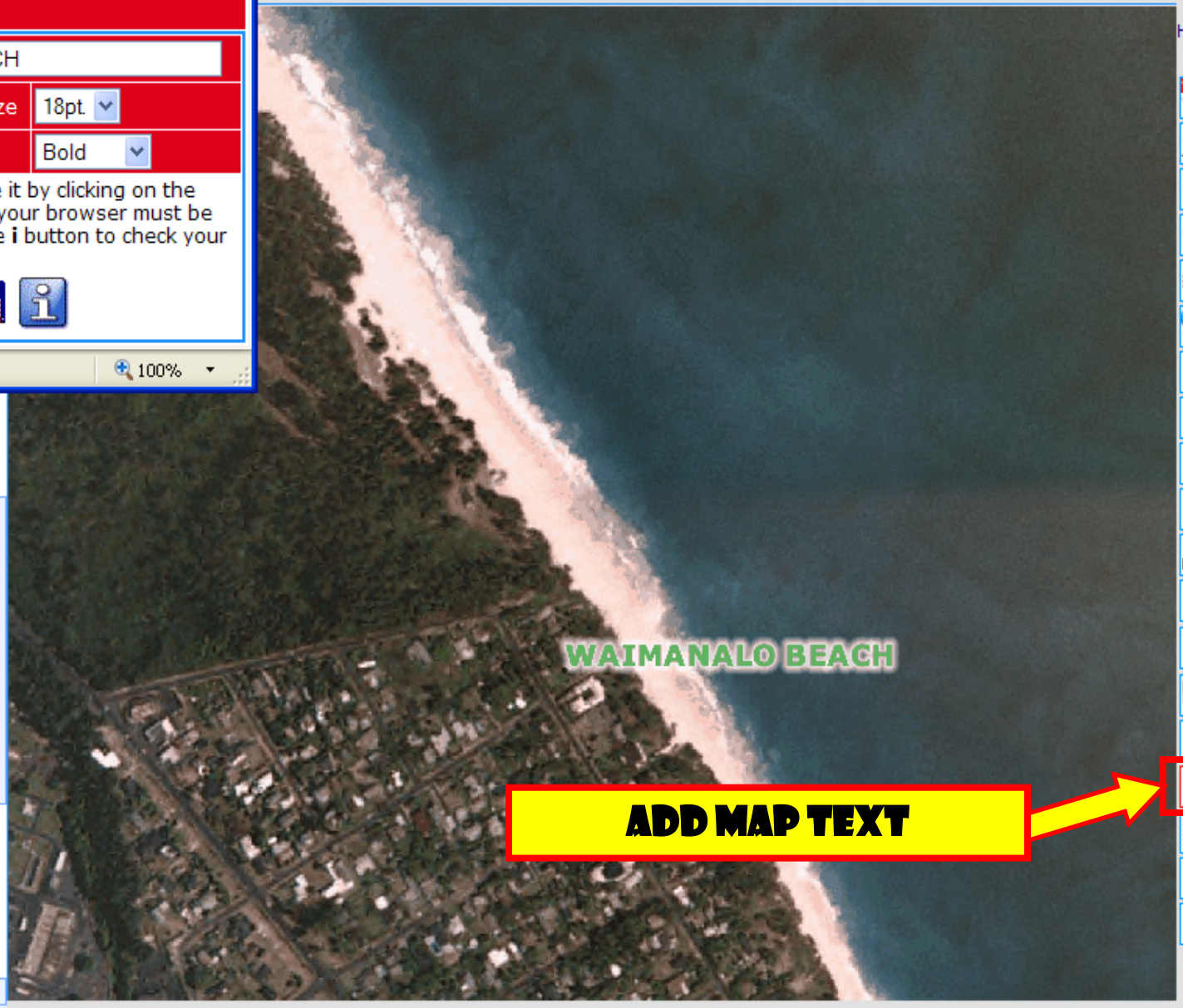
Imagery - 2005 (UH)

Shoreline

- Sea Wall
- Shoreline - 1975 (Digitized)
- Shoreline - 2005 (Digitized)
- Shoreline - 2008 (GPS)
- Shoreline Reach
- Streams
- STWAVE Analysis (2001)

Imagery

- Tsunami Evacuation Area
- Urban Area
- Imagery - 1949
- Imagery - 1951 (Bellows Only)
- Imagery - 1962 (Bellows Only)
- Imagery - 1963
- Imagery - 1967
- Imagery - 1975
- Imagery - 1988
- Imagery - 1996
- Imagery - 2005 (NRCS)
- Nautical Chart
- Sand - Kailua
- Topo Map

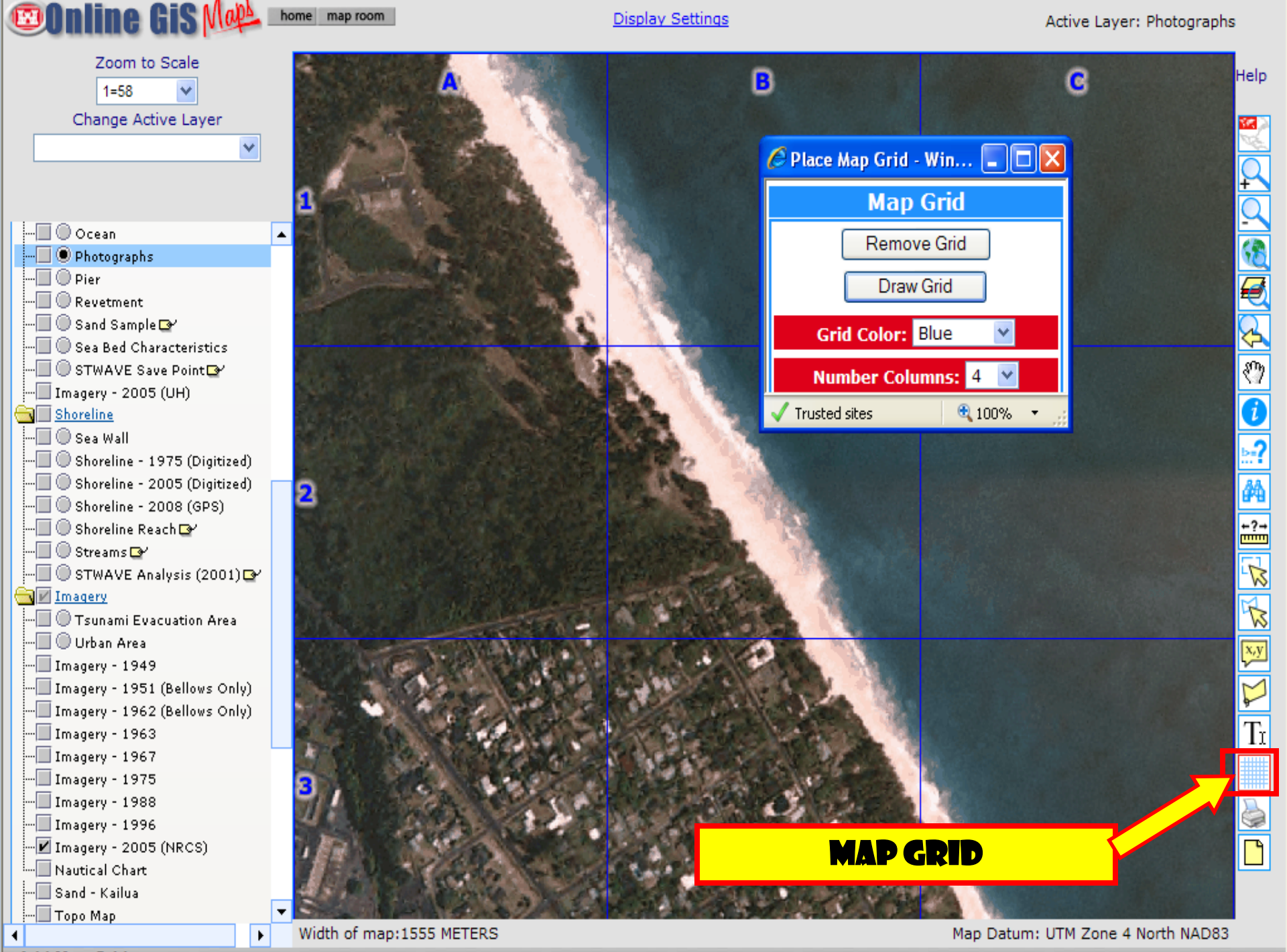


ADD MAP TEXT

Width of map:1555 METERS

Map Datum: UTM Zone 4 North NAD83

Add Map Text


Online GiS Maps
home
map room
Display Settings
Active Layer: Photographs
Zoom to Scale
1=58
Change Active Layer
Help
Ocean
Photographs
Pier
Revetment
Sand Sample
Sea Bed Characteristics
STWAVE Save Point
Imagery - 2005 (UH)
Shoreline
Sea Wall
Shoreline - 1975 (Digitized)
Shoreline - 2005 (Digitized)
Shoreline - 2008 (GPS)
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Tsunami Evacuation Area
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Imagery - 1949
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Imagery - 1962 (Bellows Only)
Imagery - 1963
Imagery - 1967
Imagery - 1975
Imagery - 1988
Imagery - 1996
Imagery - 2005 (NRCS)
Nautical Chart
Sand - Kailua
Topo Map
A
B
C
1
2
3
Place Map Grid - Win...
Map Grid
Remove Grid
Draw Grid
Grid Color: Blue
Number Columns: 4
Trusted sites
100%
MAP GRID
Width of map:1555 METERS
Map Datum: UTM Zone 4 North NAD83
Add Map Grid

Online GiS Maps

home | map room

Display Settings

Active Layer: Shoreline - 2005 (Digitized)

Zoom to Scale

1=308

Change Active Layer

Help

Controls | Layers | Legend

All Layers

- Base Map
  - Auhupuaa Boundary
  - City
  - Elevation (100-ft)
  - Island
  - Lake/Marsh
  - Land Parcels (TMK)
  - Major Roads
  - Military Installation
  - Minor Roads
  - Shoreline Change (1975 - 200
  - STWAVE Tangent
- Coastal Features
  - Beach Access Point
  - Beach Park
  - Benthic Habitat
  - Boat Ramp
  - Coral Reef
  - Fishpond
  - Flood Zone (FEMA)
  - Historic Tsunami Wave Heights
  - Jet Probe - Sand Thickness
  - Jetty
  - Lighthouse
  - Ocean
  - Photographs
  - Pier
  - Revetment

Width of map:8135 METERS

Map Datum: UTM Zone 4 North NAD83

Zoom Out

Map -- Northing: 2365979.95 , Easting: 628947.95 -- Image: 7 , 434

Trusted sites

100%

Online GIS Maps

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Display Settings

Active Layer: Shoreline - 2005 (Digitized)

Zoom to Scale

1=308

Change Active Layer

- Tsunami Evacuation Area
- Urban Area
- Imagery - 1949
- Imagery - 1951 (Bellows Only)
- Imagery - 1962 (Bellows Only)
- Imagery - 1963
- Imagery - 1967
- Imagery - 1975
- Imagery - 1988
- Imagery - 1996
- Imagery - 2005 (NRCS)
- Nautical Chart
- Sand - Kailua
- Topo Map

Refresh Map

Auto Refresh

Help:

- A closed group, click to open.
- An open group, click to close.
- A hidden group/layer, click to make visible.
- A visible group/layer, click to hide.
- A visible layer, but not at this scale.
- A partially visible group, click to make visible.
- An inactive layer, click to make active.
- The active layer.
- Click to turn layer labels on.
- Click to turn layer labels off.

Help

Width of map:8135 METERS

Map Datum: UTM Zone 4 North NAD83

Zoom Out

Trusted sites

100%

Online GiS Maps

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Display Settings

Active Layer: City

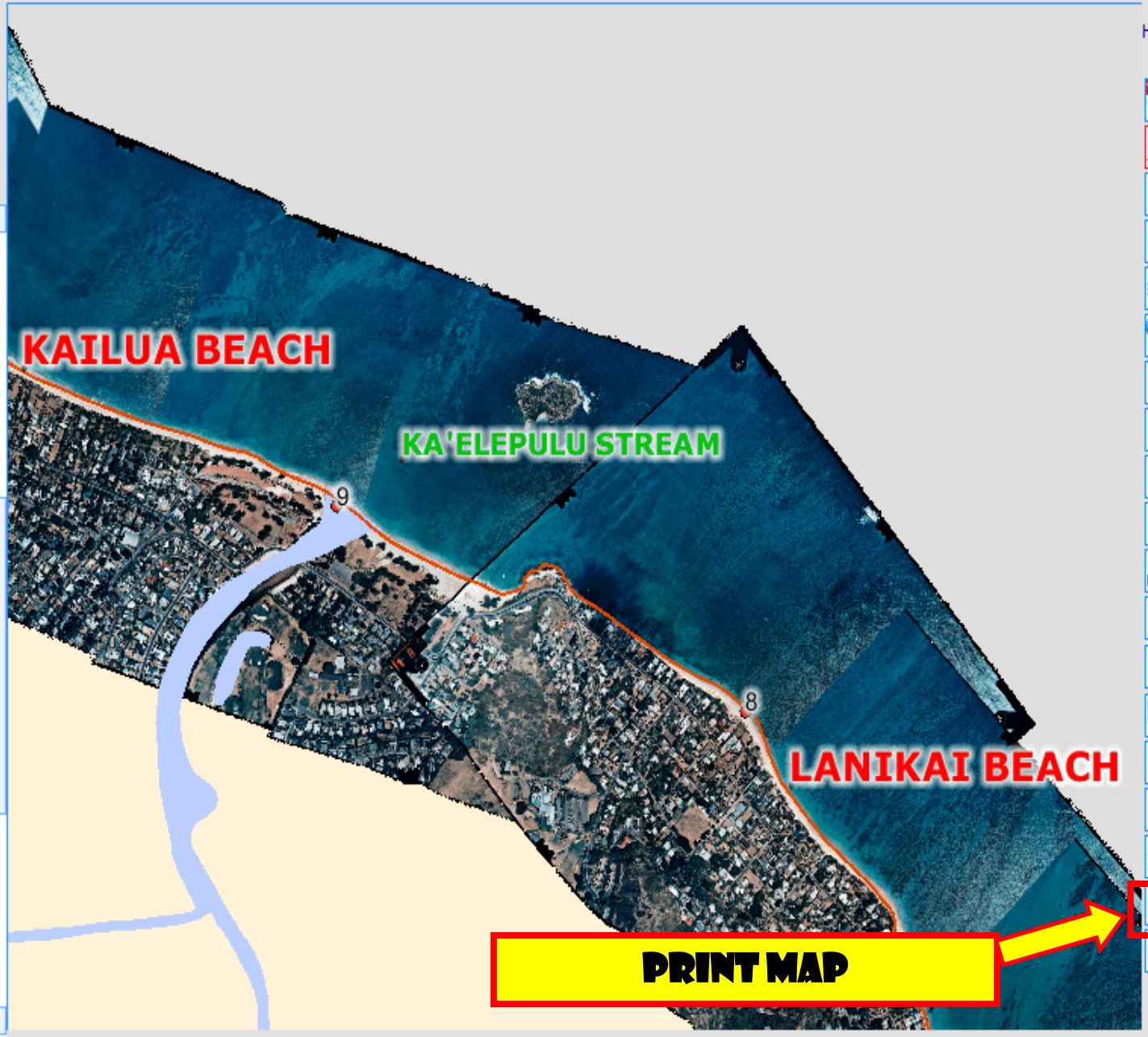
Zoom to Scale

1=150

Change Active Layer

Help

- Lighthouse
- Ocean
- Photographs
- Pier
- Revetment
- Sand Sample
- Sea Bed Characteristics
- STWAVE Save Point
- Imagery - 2005 (UH)
- Shoreline
  - Sea Wall
  - Shoreline - 1975 (Digitized)
  - Shoreline - 2005 (Digitized)
  - Shoreline - 2008 (GPS)
  - Shoreline Reach
  - Streams
  - STWAVE Analysis (2001)
- Imagery
  - Tsunami Evacuation Area
  - Urban Area
  - Imagery - 1949
  - Imagery - 1951 (Bellows Only)
  - Imagery - 1962 (Bellows Only)
  - Imagery - 1963
  - Imagery - 1967
  - Imagery - 1975
  - Imagery - 1988
  - Imagery - 1996
  - Imagery - 2005 (NRCS)
  - Nautical Chart



Width of map:3995 METERS

Map Datum: UTM Zone 4 North NAD83

Zoom In

Print Map

Map Title:	SOUTHEAST OAHU REGIONAL SEDIMENT MANAG
Comment 1:	1996 AERIAL PHOTOGRAPH
Comment 2:	2005 DIGITIZED SHORELINE
Paper Size:	ANSI A - 8.5 x 11 in Generate Map

Map Printing Instructions

(1) Enter Map Title and optional comments. **(2)** Select a Paper Size and click the Generate Map button. **(3)** From the menubar of the map click File->Page Setup. **(4)** From the Page Setup menu select a printer, set paper for landscape orientation, and select paper size to match the paper size selected in step 2. **(5)** Recommend 0.25 in for all margins. Also, if not blank, remove the header and footer. **(6)** From the browser menu click File->Print.

SOUTHEAST OAHU REGIONAL SEDIMENT MANAGEMENT

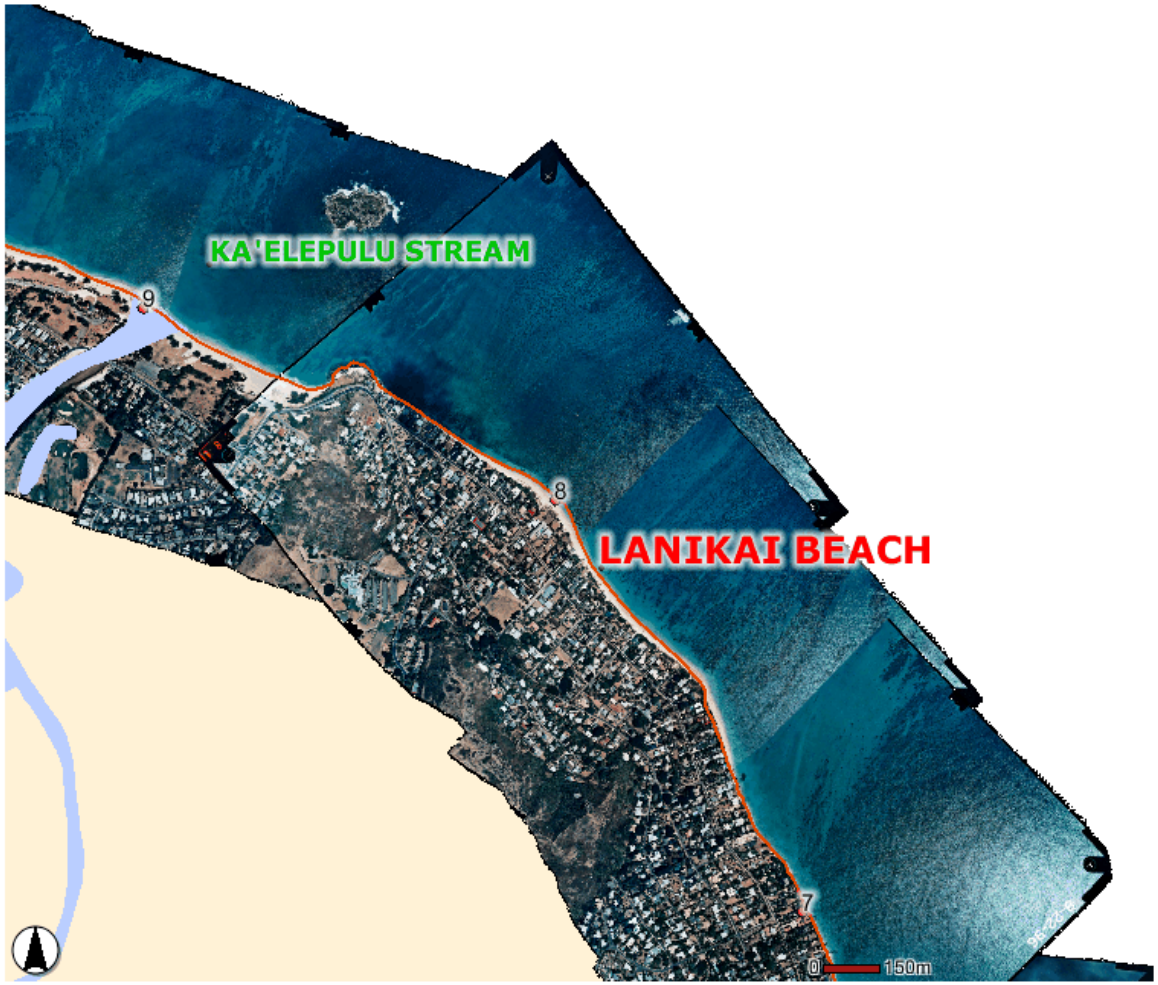
Wed Feb 18 14:37:13 UTC-1000 2009

Map Width = 3995 METERS

X: 631718.89
Y: 2367450.96

X: 634709.71
Y: 2367450.96

Map Height = 3308 METERS



X: 631718.89
Y: 2364974.46

X: 634709.71
Y: 2364974.46

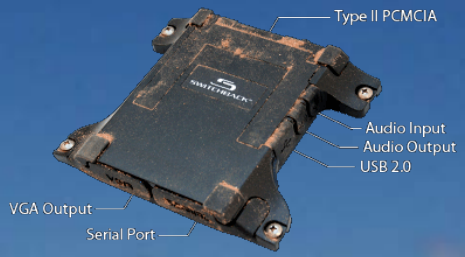
Comment 1:	1996 AERIAL PHOTOGRAPH
Comment 2:	2005 DIGITIZED SHORELINE

HAND-HELD INSPECTION TOOL

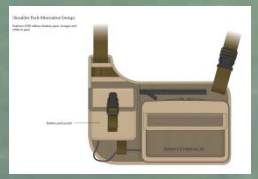
HAND HELD INSPECTION TOOL (HHIT)

- In-field digital data collection recorded on site
- GPS stamped data
- Stand off measurements
- Maintain archives
- Data base recall on site
- Seamless data transfer
- Linking of information and photos
- GIS capable
- In-field analysis and report generation

HHIT



HHIT Pack
- Mount for CPU
- Holster for Wand
- GPS Antenna Mount
- Storage for Peripherals



SwitchBack CPU
- GIS Software
- User Interface
- Data Storage

Backpack Mechanically attaches to rear of SwitchBack

“Backpack”
- Power Mgmt
- Coms
- Video input
- GPS Receiver
- Audio (Mic. / Speaker)
- VGA Output

Rugged Interconnect Cable

Hand Held Wand
- Laser Distance Meter
- Attitude / Heading Sensor
- HDTV Camera
- User Interface

BENEFITS:

- Reduces human error and eliminates transcription redundancies
- Documents digitally, accurately, and consistently
- WinXP w/80GB robust desktop computer
- Georeferenced baseline metrics for change detection
- Criteria driven forms
- Structure condition indexing and monitoring tool
- Preventative maintenance assessment
- Planning tools for site design
- Mobile desktop GIS/CADD
- On-the-fly processing and analysis
- Automates report generation and data dissemination

Structural Rating for Rubble Breakwaters and Jetties

General Info | Rating Table | CR Rating | CR Images | SE Rating | SE Images | CH

SEASIDE (or HEAD) SE

RATING CATEGORIES: (select applicable items)	Rating 1-6	Damage Length (ft) (if rating is 4 or greater)	Comment	Image/GPS
Core (or Underlayer) Exposure/Loss				BUTTON
Armor Loss: ☐ Displaced ☐ Settling ☐ Bridging				BUTTON
Loss of Armor Contact/ Armor Interlock				BUTTON
Armor Quality Defects: ☐ Rounding ☐ Cracking ☐ Spalling ☐ Fracturing				BUTTON
Slope ☐ Steepening ☐ Sliding				BUTTON

These images can be viewed on the next page.

ok

Structural Rating for Rubble Breakwaters and Jetties

General Info | Rating Table | CR Rating | CR Images | SE Rating | SE Images | CH

Core Delete Retake

Armor Delete Retake

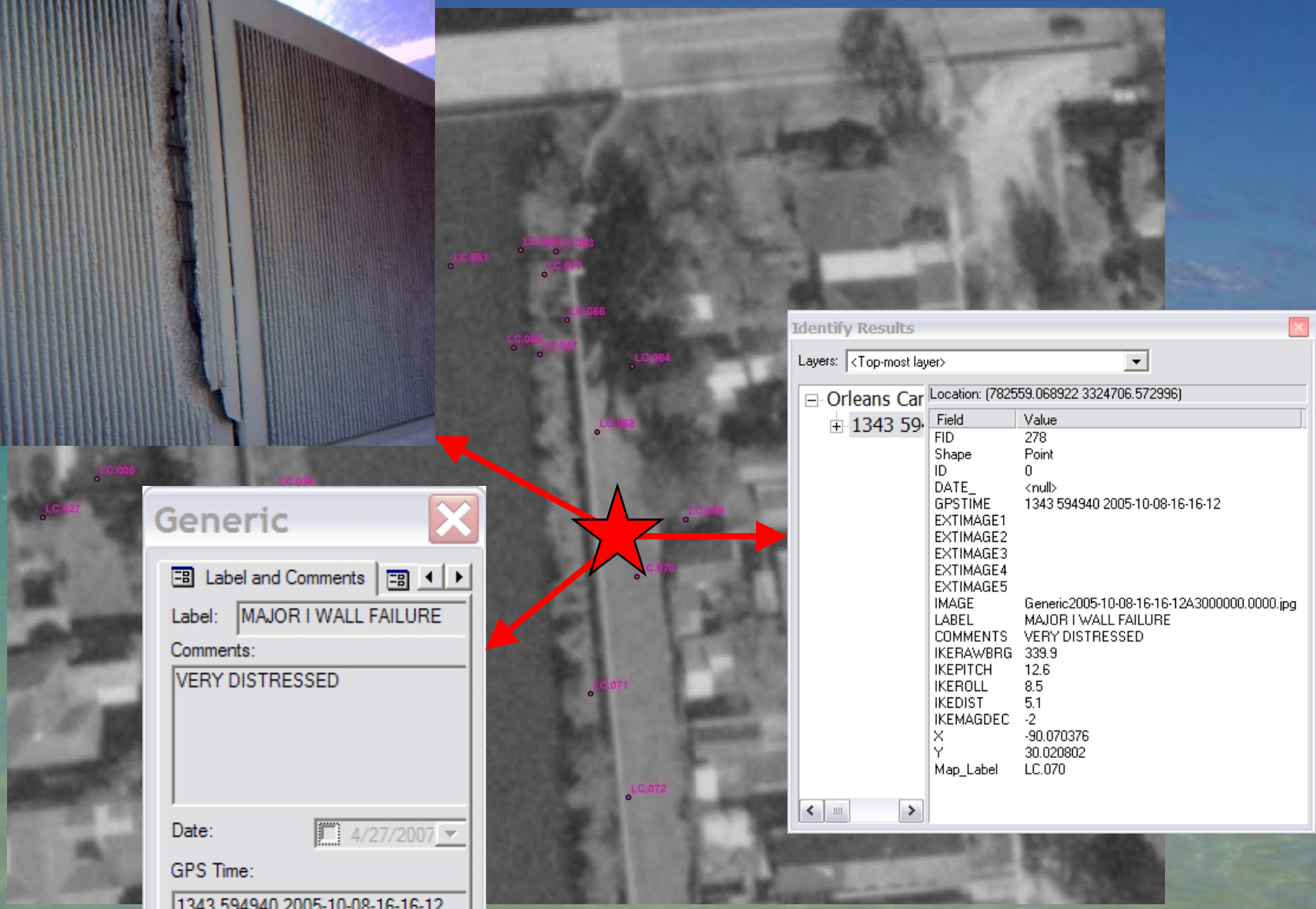
Armor Delete Retake

Armor Delete Retake

Slope: Delete Retake

ok

POST-KATRINA LEVEE SURVEY IN NEW ORLEANS



HAWAII RSM HOME PAGE

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