

# How to Quickly Find Oil Using ASPECT Google Earth visible imagery



# **Optimizing Google Earth Parameters**

Open Google Earth

- a. Click TOOLS
- b. Click OPTIONS
- c. Click "General Tab"
- d. Check this box

	Google Earth Options	? ×
	3D View Cache Touring Navigation	General
	Display	Email Program
	Show tooligo	C Microsoft Outlook
	☐ Show web results in external browser	🔿 Use my Gmail account
7	Building mgmight	€ Let me choose each time I send an email
	Language settings	Ads
	Language System default	I Disable onscreen advertising
	Usage Statistics	Start up tips
	Send usage statistics to Google	☐ Show start up tips
	KML Error Handling	Placemark balloons
	Silently accept all unrecognized data	Allow placemark balloons to access local files and personal data
	C Show prompts for all errors	
	C Abort file load on any error	
	Restore Defaults	OK Cancel Apply



# **Optimizing Google Earth Parameters**

Open Google Earth

- a. Click TOOLS
- b. Click OPTIONS
- c. Click "Navigation Tab"
- d. UNCheck this box

Soogle Earth Options	?	×
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Mouse Wheel		
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Invert mouse wheel zoom direction		
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Enable Controller      Automatically tilt while zooming		
C Earth-Based (Move the Earth)	ļ	
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Imagery Date: Mar 23, 2010



### **EPA ASPECT Deepwater Horizon**

This site displays relevant situational awareness information from the U.S. EPA Airborne Spectral Environmental Collection Technology System (ASPECT). ASPECT is the Nation's only 24/7 airborne emergency response chemical and radiological mapping program. ASPECT is operating in the Gulf area to assess areas at the Deepwater Horizon site. The ASPECT was deployed to the Deepwater Horizon Platform Location on 28 April 2010.

Current Mission Status

INSTRUCTIONS

Sensor Information Sensor Suite Capabilities Information

Available Airborne Sensor Suite Data Color Aerial Photography - 13 May to Present Color Aerial Photography - 28 Apr to 13 May

Oblique Photography - 26 May to Present Oblique Photography - 13 May to 25 May

Downward Looking Photos - 26 May

Infrared Aerial Imagery - 28 Apr to 13 May

Aircraft Flight Tracks - 26 May to Present Aircraft Flight Tracks - 13 May to 25 May Aircraft Flight Tracks - 28 Apr to 13 May

Video Selections of Missions

ASPECTAir Monitoring Reporting FTS Confirmed Detections Chemical Report Retrieval Web Page - Flights 1-26 Chemical Report Retrieval Web Page - Flights 27-Present

ASPECT Posters ASPECT Oil Detection Poster Mosaic Imagery Product - 6 May 2010 ASPECT photos on FLICKR

Weather Data Metar Ground Station Weather Link Mesowest Ground Station Weather Link APRSWXNET Ground Station Weather Link Other NWS Ground Station Weather Link Gulfport Radar Loop NOAA Severe Weather Warnings Weather Map Features NOAAAviation Weather Gulfnort-Bilovi MS Airport Weather Condition New addition provides access to raw geo-referenced images within minutes of landing.

Petit Bois Island

Dauphin Island

## These images will be geocorrected within a few hours.





# Geo-referenced vs. Geo-corrected Photographs

ASPECT Aerial "Downward Looking" geo-referenced Photo



ASPECT Aerial photo that has been geo-referenced and geo-corrected for Google Earth



Geo-corrected Icon

### 📚 Google Earth Pro

<u>Eile Edit View Tools Add H</u>elp

#### Search Fly To Find Businesses Directions Fly to e.q., 1600 Pennsylvania Ave, 20006 **- Q** Places Add Content ☑ S My Places ☑ I Gulf of Mexico Oil Slick Gulf of Mexico Oil Slick Image: Market Marke 🗄 🗆 😂 FTIR i in a fragment in the fragment is the fragment is the fragment is the fragment of the fragment is the fragment of the fragme 🗄 🗹 🥯 Deepwater Horizon EPA .. 🗄 🗹 🗀 Downlooking Photos May.. 🗄 🗆 😂 Aspect Flight Tracks 🗄 🗹 🥯 Aspect Oblique Photo ৳ 🗹 🖿 5/26/2010

Lavers
✓ Primary Database
✓ ✓ Borders and Labels
✓ ✓ Places of Interest
✓ ■ Panoramio Photos
✓ ■ Roads
Ø ③ 3D Buildings
Ø ○ Ocean
○ Street View
③ Street View
⑤ Global Awareness
■ More
✓ Terrain

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Available Airborne Sensor Suite Data Color Aerial Photography - 13 May to Present Color Aerial Photography - 28 Apr to 13 May

Oblique Photography - 26 May to Present Oblique Photography - 13 May to 25 May Oblique Photography - 28 Apr to 13 May

Downward Looking Photos - 26 May

Oblique / light 31 028.jpg

Oblique Flight 31 029 jpg

Oblique Flight 31 030.jpg Oblique Flight 31 032.jpg Oblique Flight 31 018.jpg Oblique Flight 31 019.jp

Oblique Flight 31 020 jpg 🤝

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Oblique Flight 31 024.jpg Oblique Flight 31 026.jpg Oblique Flight 31 027.jpg

Click on icons to open the menu.

Using "**Downward Looking Photos**" AND "**Oblique Photography**" gives you a quick assessment of where the OIL is located.

© 2010 Google Data SIO, NOAA, U.S. Navy, NGA, GEBCO Image © 2010 DigitalGlobe © 2010 Europa Technologies 29° 7.126° N 90° 0.255° W elev -46 ft

# Using ASPECT Google Earth data to narrow search for oil on beaches

## May 26, 2010; 9:28 a.m. CST

