

FULBRIGHT

A stylized graphic of a globe, rendered in white lines on a blue background. It features a central vertical line and a horizontal line, with several curved lines representing latitude and longitude, creating a sense of depth and global connectivity.

A M B A S S A D O R

GIS, the Caribbean, & Google Earth and How a Fulbright Could Be in Your Future

Meg Stewart
December 3, 2013



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Bureau of Educational and Cultural Affairs

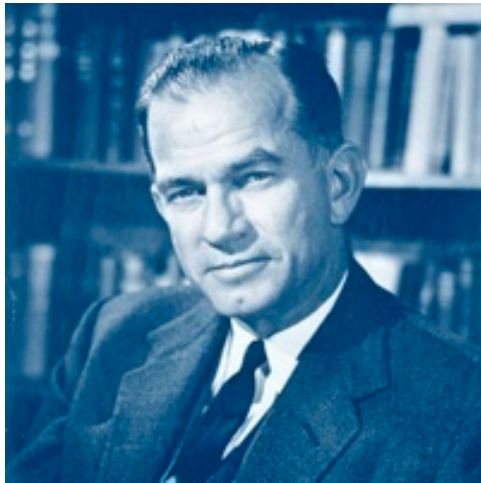
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INTERNATIONAL
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Senator J. William Fulbright (1905-1995)



“International education exchange is the most significant current project designed to continue the process of humanizing mankind to the point, we would hope, that nations can learn to live in peace.”

Fulbright Scholar Program

- Established in 1946
- Sends U.S. academics and professionals overseas
- Brings scholars and professionals from abroad to the U.S.
- Sponsored by U.S. Department of State’s Bureau of Educational and Cultural Affairs
- Administered by the Council for International Exchange of Scholars (CIES)



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Why I Chose to Apply

Professional Development: Opportunity to work with colleagues in the field of climate change and natural resources, as well as develop new professional relationships for myself

Make a Difference: Chance to contribute to other countries (Barbados, St Vincent & the Grenadines, Grenada, Belize)

Prestige: Recognition of scholarship and cultural ambassador for American public

Rewarding Leave of Absence: Provided growth experiences and interesting activities for me and my family by living in another country



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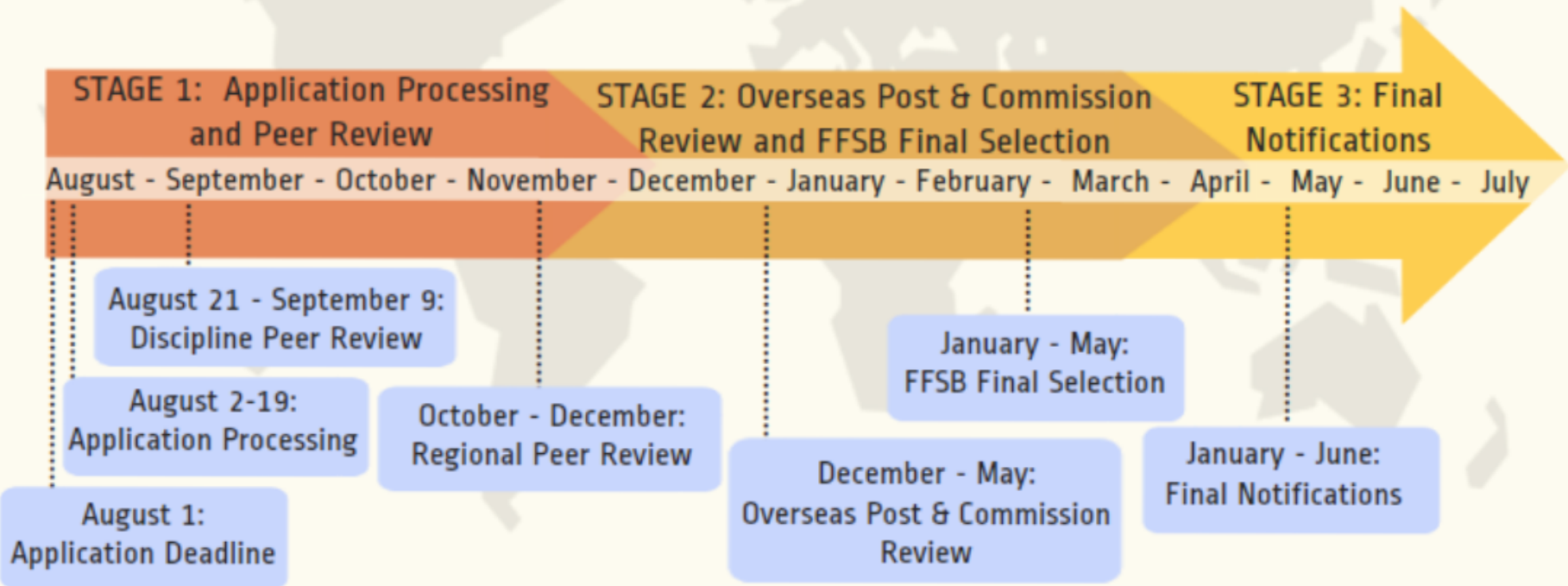
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EDUCATION





- Fulbright Scholar Catalogue of Awards online February 1
- Grant applications due August 1
- Six months to pull it together

Core Fulbright Scholar Peer Review Timeline



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My Fulbright Process

- How long did it take to do my application?
- What did I put in my application?
- How did I make contact(s)?
- After applying, when did I hear anything?
- How did I get paid?
- How long was my grant? What length of time are other Fulbright Scholar grants?



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Fulbright Scholar 2009-2010



- Teacher/Researcher
- University of the West Indies, Cave Hill campus in Barbados
- *Teaching and Conducting Research with GIS in the Caribbean*



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Teaching With GIS (and other technologies) in the Caribbean

Lecture: Co-taught GIS class

Course Assistance:
Traveled to Belize with UWI students to help with GIS, tablet PCs and field work



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Caribbean Sea

Atlantic Ocean



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US Dept of State Geographer
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image © 2011 TerraMetrics

Google

11°26'31.37" N 58°59'48.69" W elev -1474 m

Eye alt 1791.72 km



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CERMES

CENTRE FOR RESOURCE MANAGEMENT
AND ENVIRONMENTAL STUDIES

CERMES
CENTRE FOR RESOURCE MANAGEMENT
AND ENVIRONMENTAL STUDIES



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Atlantic
Ocean

Caribbean Sea

Pacific
Ocean

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The Bahamas

Cuba

Turks and Caicos Islands

Cayman Islands

Jamaica

Haiti

Navassa Island

Dominican Republic

Puerto Rico

Sint Maarten

British Virgin Islands

Antigua and Barbuda

Guadeloupe

Dominica

Martinique

Saint Lucia

Saint Vincent and the Grenadines

Grenada

Trinidad and Tobago

Aruba
Curaçao

Venezuela

Costa Rica

Panama

Honduras

Nicaragua

Belize

Guatemala

Salvador

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US Dept of State Geographer
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image © 2011 TerraMetrics

© 2010 Google

14°49'53.52" N 71°03'26.32" W elev -4271 m

Eye alt 3019.46 km



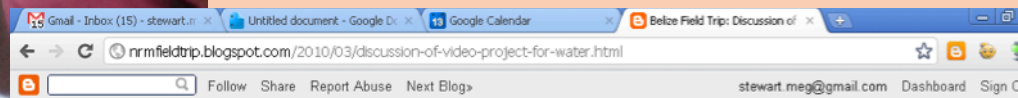
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ABOUT THE COURSE

This is a course blog for the Natural Resources Management Field Trip to Belize offered out of the Univ of the West Indies, Cave Hill campus. CERES students from the Climate Change stream and the Water Resources stream will be in Belize from 17 to 27 March, 2010, to conduct field research, learn field data collection techniques and visit three regions in Belize to study climate change and water resources issues.

Professors for this course are Dr. Leonard Nurse and Dr. Adrian Cashman.

CONTRIBUTORS

chriswrm83's posterous - Home
1 year ago

22 MARCH 2010

Discussion of Video Project for the Water Resources/Climate Change Class



We got the students together this evening to discuss the video project. The students are in three groups and each group must create a 5-minute video on a topic of their choosing but should be related to an activity that they have



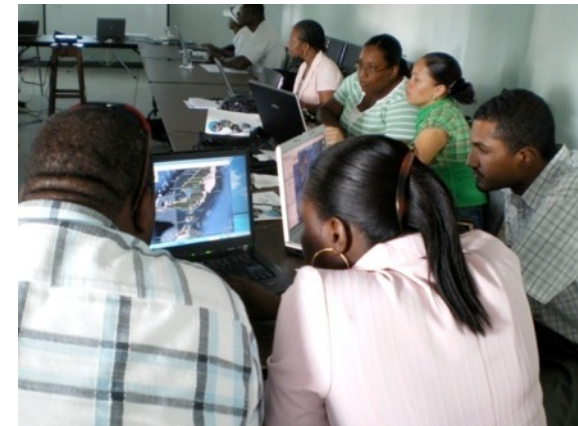
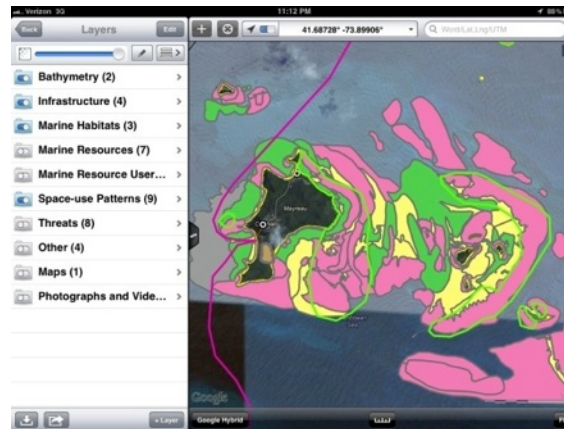
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Conducting Research With GIS in the Caribbean

Research: “Using Google Earth to Visualize Marine Resources in the Grenadine Islands” - Prepared a shareable project in Google Earth



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Caribbean Sea

Atlantic Ocean



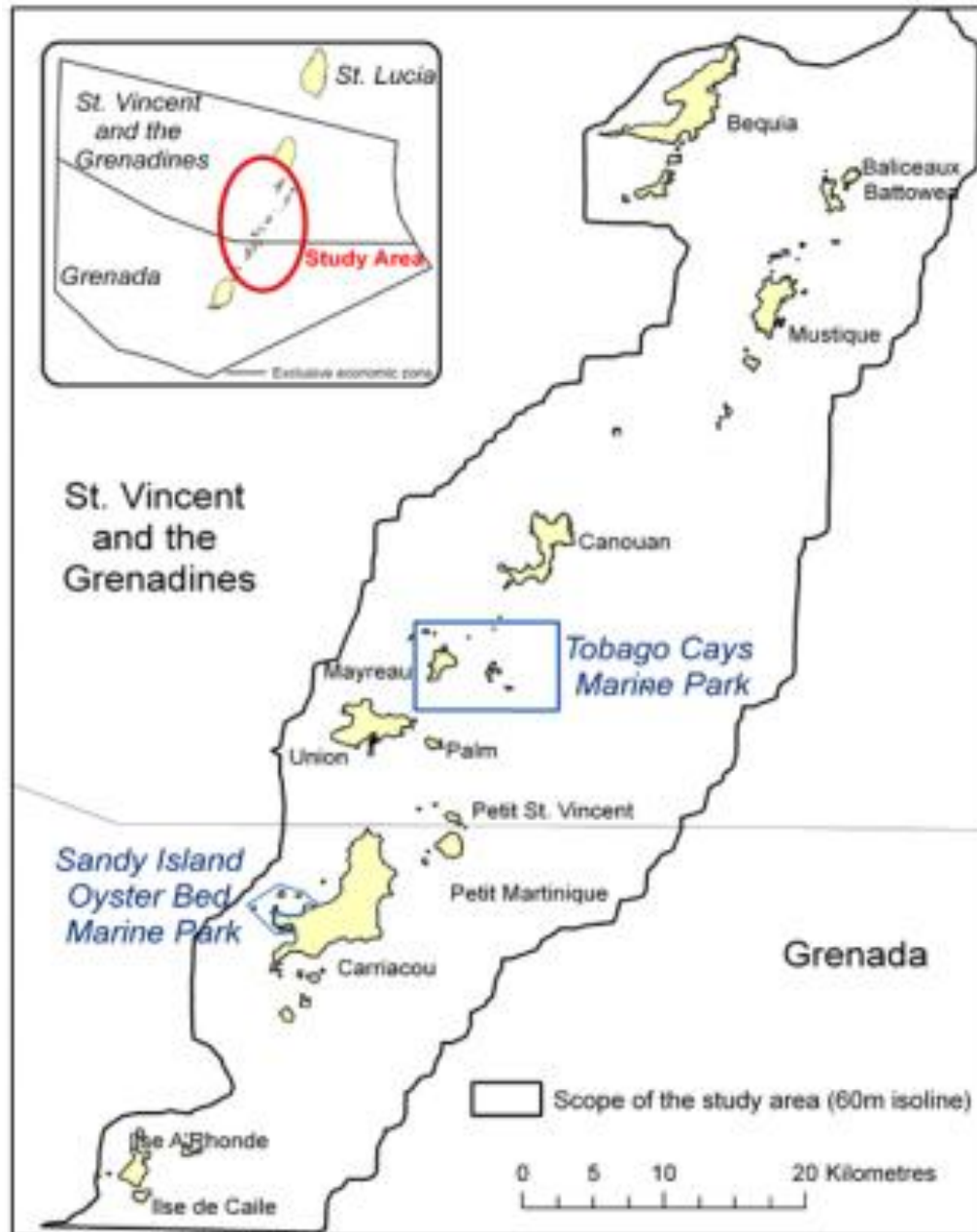
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Image © 2011 TerraMetrics

Google

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11°26'31.37" N 58°59'48.69" W elev -1474 m

Eye alt 1791.72 km



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dolphin mall



Saint Vincent and the Grenadines

St. Vincent & the Grenadines - Territorial Sea

Grenada - Territorial Sea

© 2011 Europa Technologies

Data SIO, NOAA, U.S. Navy, NGA, GEBCO

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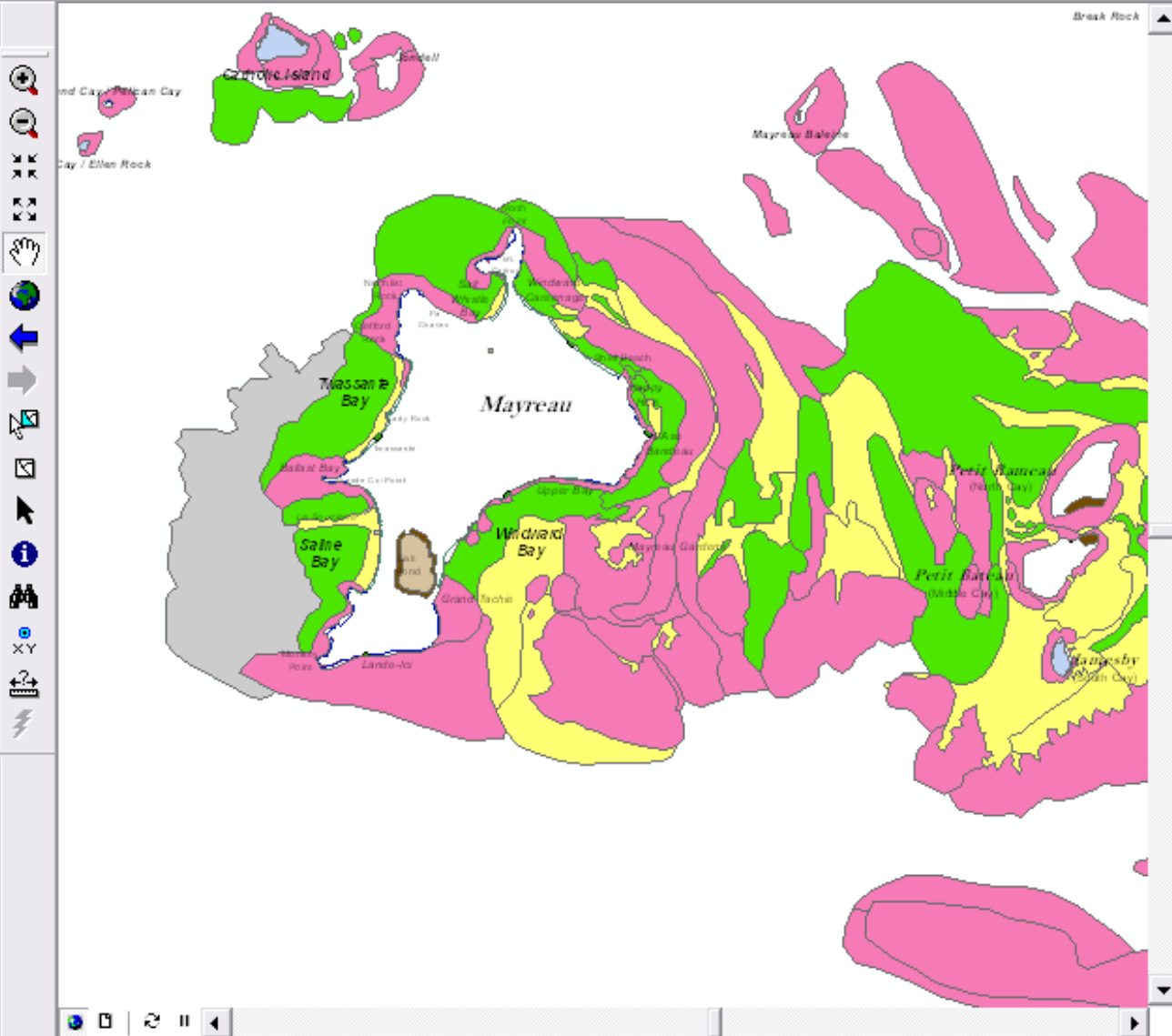
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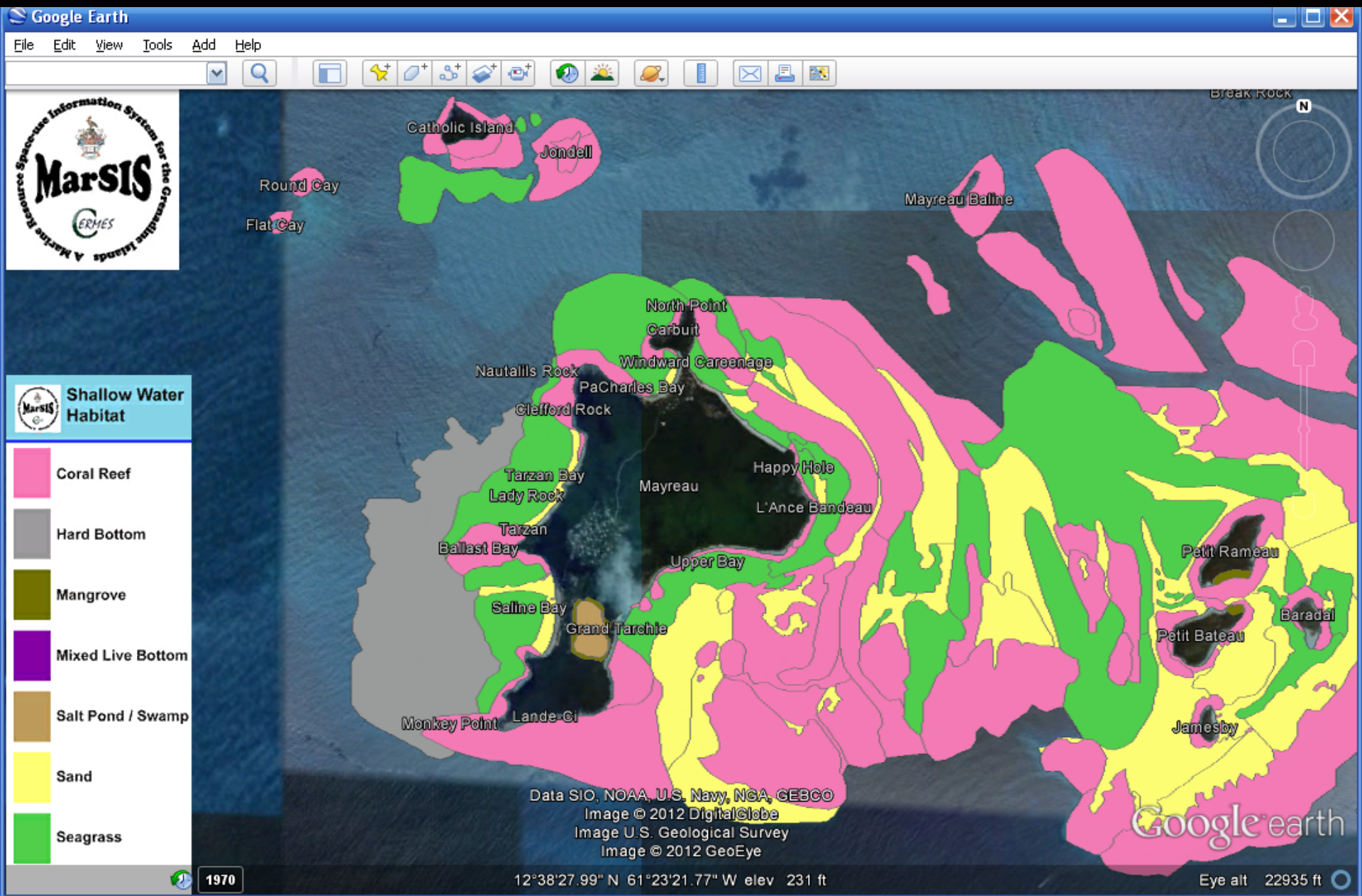
12°35'18.63" N 60°39'30.26" W elev -2379 m

Eye alt 176.69 km



- MixedLiveBottom
- NonLiving
- SaltPond/Swamp
- Sand
- Seagrass
- Deepwater_Habitat
- Habitat
- Hardbottom
- Mixed Live Bottom
- Reef
- Sand
- CoastlinesGrenadines
- GrenadaBank
- Bathy200m_GrenadaBank
- Grenadine_Coastlines
- stvincent_grenada120k1.gif
- Bathymetry
- Other
- Marine Resources
- Marine Habitats
- Marine Resource Users
- Threats
- Space Use Patterns
- Infrastructure
- Imagery
- Edits





- Shallow Water Habitat**
- Coral Reef
 - Hard Bottom
 - Mangrove
 - Mixed Live Bottom
 - Salt Pond / Swamp
 - Sand
 - Seagrass

Data SIO, NOAA, U.S. Navy, NGA, GEBCO
 Image © 2012 DigitalGlobe
 Image U.S. Geological Survey
 Image © 2012 GeoEye

Google earth

1970

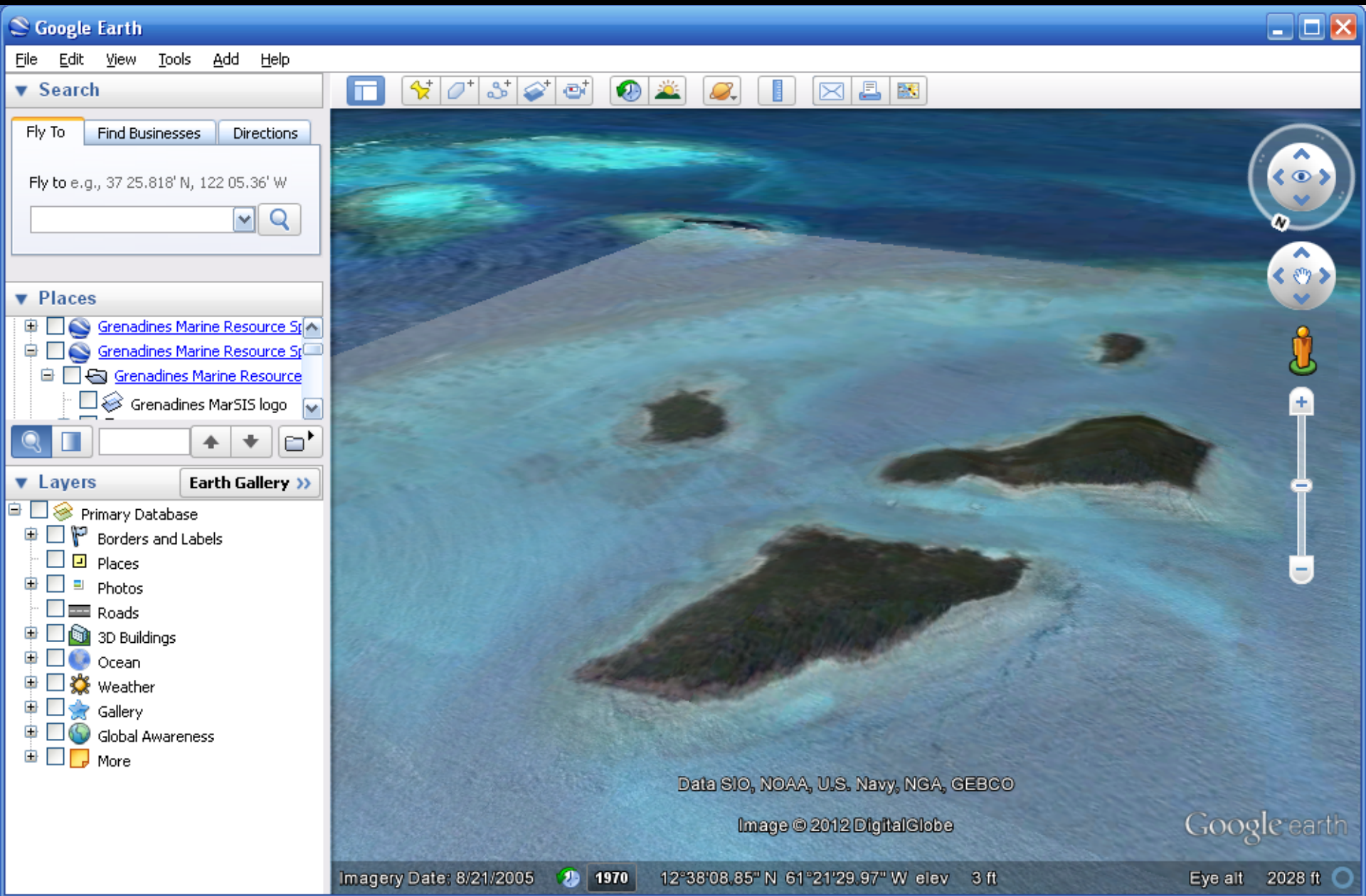
12°38'27.99" N 61°23'21.77" W elev 231 ft

Eye alt 22935 ft

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Google Earth

File Edit View Tools Add Help

Search

Fly To Find Businesses Directions

Fly to e.g., 37 25.818' N, 122 05.36' W

Places

- Grenadines Marine Resource
 - Grenadines MarSIS logo
 - Layers
 - Bathymetry
 - Infrastructure
 - Marine Habitats
 - Marine Resources
 - Marine Resource Users
 - Space-use Patterns
 - Threats
 - Other
 - Maps
 - Photographs and Video

Layers

Earth Gallery >>

- Primary Database
- Borders and Labels
- Places
- Photos
- Roads
- 3D Buildings
- Ocean

MarsSIS
A Marine Resource Space-use Information System for the Grenadines Islands
ERMES

Recreation Jamesby

Recreation Sea Turtle Nesting Beach

Baradal Dive Site Anchorage

Nursery Area Nursery Area

Vending Site

Sea Turtle Nesting Beach

Illegal Dumping

Nursery Area

Petit Rameau

Recreation Petit Bateau

Marine Park

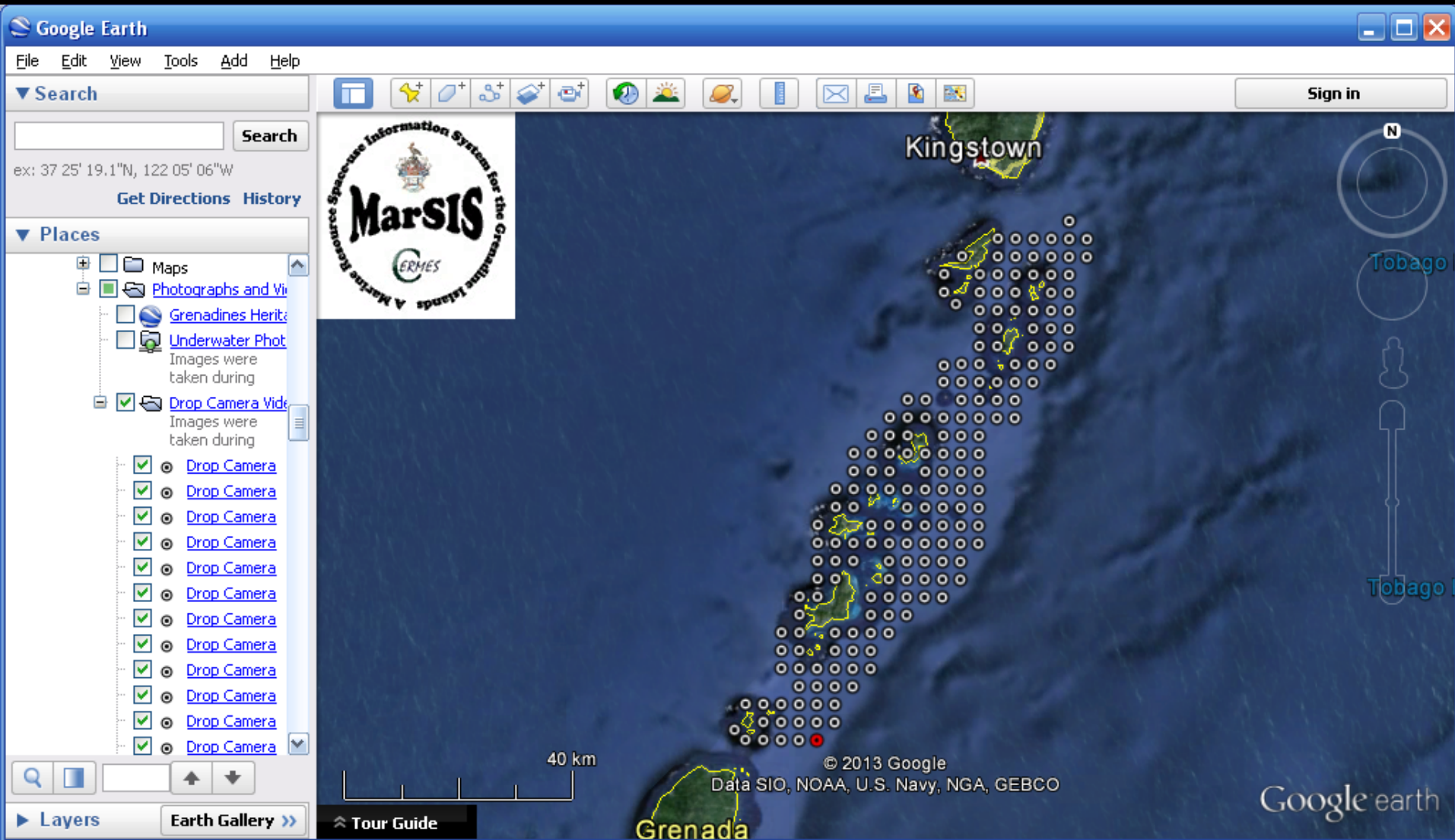
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

Image © 2012 DigitalGlobe

Google earth

Imagery Date: 8/21/2005 1970 12°38'08.85" N 61°21'29.97" W elev 3 ft Eye alt 2028 ft

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Google Earth

File Edit View Tools Add Help

Search

Search

ex: 37 25' 19.1"N, 122 05' 06"W

Get Directions History

Places

- Maps
- Photographs and Videos
- Grenadines Heritage
- Underwater Photographs
 - Images were taken during
- Drop Camera Videos
 - Images were taken during
 - Drop Camera
 - Drop Camera
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 - Drop Camera

40 km

Grenada

© 2013 Google
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

Google Earth

Sign in

Grenadines Marine Resource & Space Use Information System

Video from Drop Camera

DVR090902_1136_109.avi

N 12 13.6816 259 deg
W 061 28.6238 0 knt

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Grenadines MarSIS



2 subscribers

1,281 video views

Featured

Browse videos

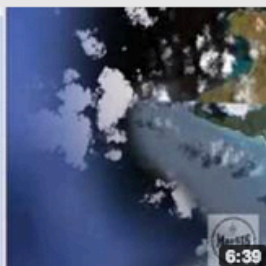
Search Channel



Uploaded videos 1-10 of 191

▶ Play all

- Temporary Places
- Grenadines MarSIS
- Grenadines MarSIS logo
- Layers
 - Bathymetry
 - Infrastructure
 - MarSIS/MarSIS
 - Marine Resource Users
 - Yacht Companies
 - Fishers
 - Ferry Operators
 - Day Tour Operators
 - Ships
 - Water Taxi Operators
 - Species Use Patterns
 - Threats
 - Coral
 - Imagery/Place
 - Photographs & Video Content



Google Earth Tutorial for Grenadines MarSIS

grenadinesmarsis 504 views 2 years ago

This is a video showing how to navigate the Google Earth file and layers for the Grenadines MarSIS project. You can find the KMZ file here: <http://www.grenadinesmarsis.com...>

About Grenadines MarSIS

These videos were collected during a marine habitat mapping research cruise of the Grenada Bank, led by Kim Baldwin, PhD student of the Centre for Resource Management and Environmental Studies (CERMES) at the University of the West Indies. The met...

more v

grenadinesmarsis.com/Home_Page...

by grenadinesmarsis

Date Joined

Nov 25, 2009

Country

Barbados

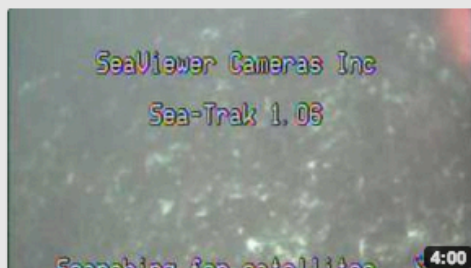
Featured Playlists



191 videos

Uploaded videos by Grenadines MarSIS

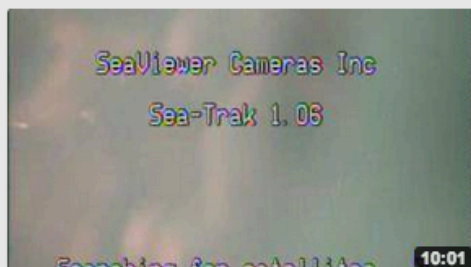
view all >



DVR080806_1356_302.avi

grenadinesmarsis 4 views 2 years ago

The habitat shown in the video is classified as Mixed Living Bottom, the fisher classification is Reef and the research description is: Dense macroalgae & sponges with some...



DVR080806_1316_301.avi

grenadinesmarsis 3 views 2 years ago

The habitat shown in the video is classified as Hardbottom, the fisher classification is Gravel and the research description is: Hardbottom w/macroalgae, rubble & Sand. The...

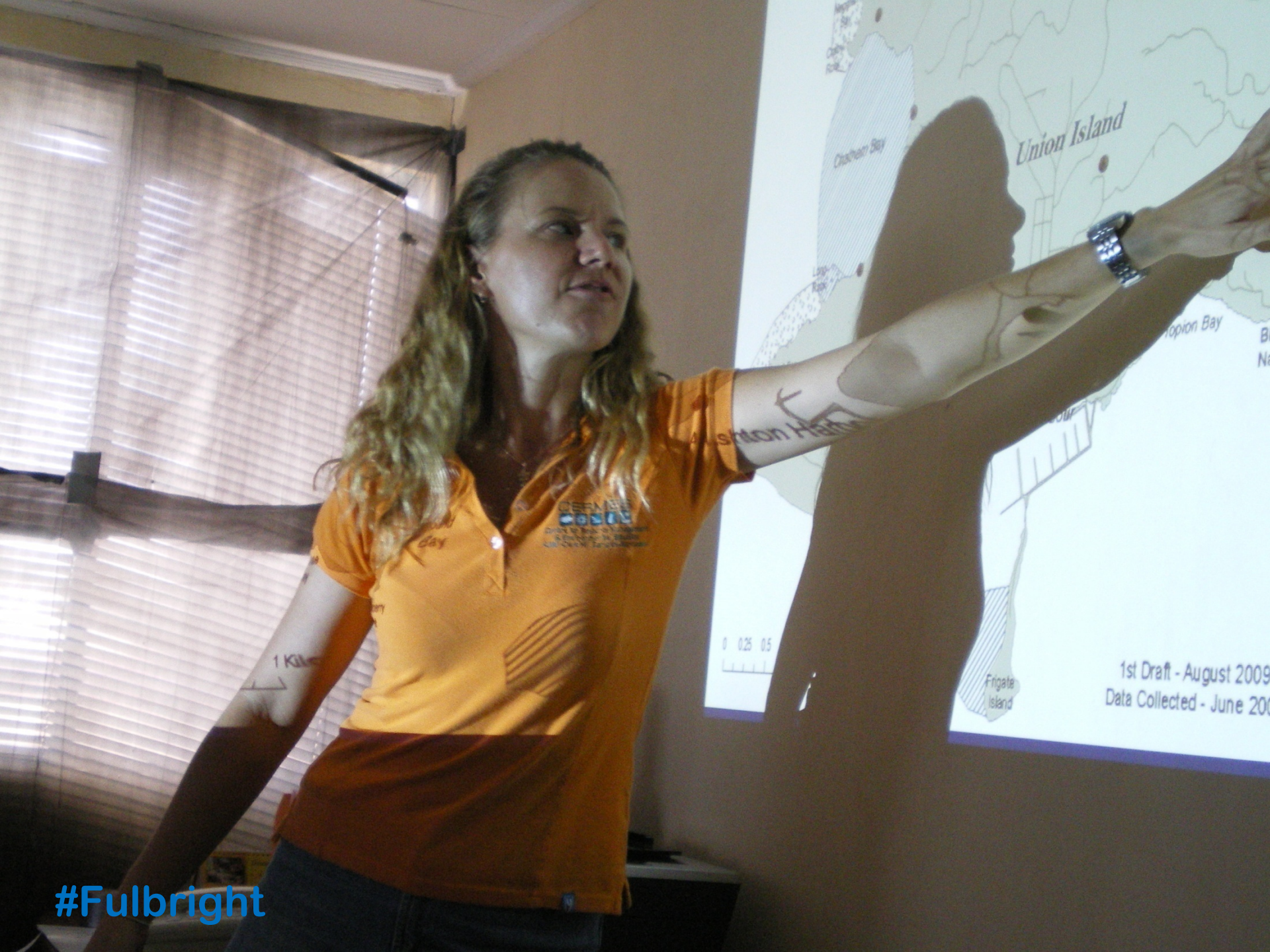


DVR090902_1208_5.avi

grenadinesmarsis 2 views 2 years ago

The habitat shown in the video is classified as Reef, the fisher

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Other Grant Activities

Advising: Worked with the Girl Guides of Barbados to write a U.S. State Department grant proposal



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Other Grant Activities

Seminars: Gave workshops to UWI faculty members on using technology in teaching—Google Earth, table PCs, and Google Docs



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Other Grant Activities



Institutional Collaboration:
Wrote geography curriculum and represented UWI at Science Days public events



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35

The University of the West Indies - Cave Hill Campus
Faculty of Pure and Applied Sciences

Climate Change

Cause

Adaptation

Response

The University of the West Indies - Cave Hill Campus
Faculty of Pure and Applied Sciences

Applied Marine Research
Centre for Resource Management and Environmental Studies
Professor Sean A. Devlin

Mass Coral Bleaching in Barbados

Status of Queen Conch Fishery and Resource

Coral Symbiosis: can they adapt to save corals under climate change?

36



CERMES



Centre For Resource Management And Environmental Studies
Faculty of Pure and Applied Sciences

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79

77441

TravelBLOGUE

7.26.2010

"If Ya Bajan and Ya Love Ya Teacher, Raise Ya Hands!": Junior Kadooment

For the past few months the Barbadian radio stations have been playing an endless rotation of [soca music](#) (hear it in the videos below) all in the run-up to [Crop Over](#). Crop Over happens August 2 this year and is so named for the end of the sugar cane season.

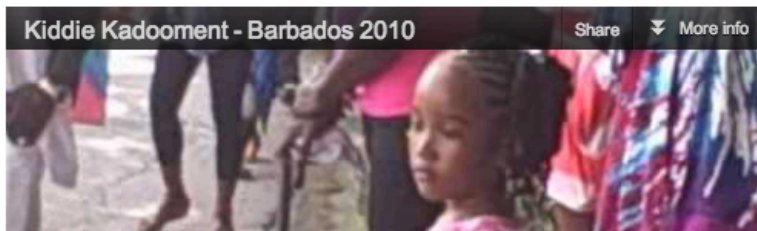
Saturday was [Junior "Kiddie" Kadooment](#) and was a miniature version of what we might expect on August 2, only without all the alcohol and bacchanal. This was such a sweet affair that I'm really glad I went and took the kids and I'm glad I got lots of video of the little paraders.



We met up at the beginning of the parade route and watched the marchers make their way to the National Stadium where the various "bands" of kids parade across the stage in front of the judges. The title of this post is a reference to something the M.C. said from the stage. There's *a lot* of emphasis on and value placed in education and teachers are very well-regarded in Barbados. Yet another thing we should adopt in the U.S.!

The photo of the [little reveler](#) is by [Risee on Flickr](#) and *not* by me. I had yet another camera failure and did not get still photos of the kiddie kadooment.

But I did get plenty plenty video of the young paraders. Check it out, but be cautious, it's a little *loud*:



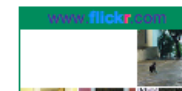
ABOUT THIS BLOG

Like a travel diary, only more modern.

TAGS

airplane Alnmouth altitude sickness animals bank banking **Barbados** beach Beijing **Belize** birds boat Build a bear buses calypso Cambridge Carlisle Bay castle catamaran cathedral Chengdu children **China** Christmas college cricket Dalai Lama Derek Walcott Edinburgh Emeishan **England** exercise field trip Florida **Fulbright** funny words geology GIS **Google Earth** grading Grenada Grenadines Hadrian's Wall **happy times** Holy Island **hotel** instructional **technology** internet jog Ju Ju's kadooment kite Lhasa litter **living abroad** mail mangoes marking MarSIS massage melting pot **monastery** New York Old San Juan Olympics panda bears Port of Spain postal service Puerto Rico research **restaurant** roundabouts sailing school Scotland **sea turtles** Shakers Shigatse shipping **Sichuan Province** Skype soca St Vincent storm strawberries Surfers Cafe surfing synagogue **Things we should adopt** Tibet Tobago train travelers checks Trinidad **UK** uniforms Union Island US Embassy **UWI video** Washington DC Xining Xunantunich Yom Kippur York

TRAVELBLOGUE PHOTOS



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Barbados June 2010

116 photos | [Edit](#)



Barbados May 2010

97 photos | [Edit](#)



Belize March 2010

221 photos | [Edit](#)



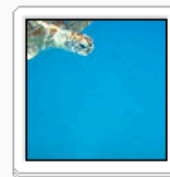
Barbados March 2010

135 photos | [Edit](#)



Barbados February 2010

94 photos | [Edit](#)



Barbados January 2010

119 photos | [Edit](#)



Field Trip to Brankers with...

26 photos | [Edit](#)



Barbados December

145 photos | [Edit](#)



MarSIS GIS & Google...

25 photos | [Edit](#)



Barbados November 2009

137 photos | [Edit](#)



Barbados October 2009

56 photos | [Edit](#)



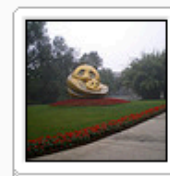
Barbados September 2009

157 photos | [Edit](#)



WoodenBoat School,...

101 photos | [Edit](#)



Panda Research Center, Chengdu



Time in Chengdu

52 photos | [Edit](#)



Train to Xi...

132 photos | [Edit](#)

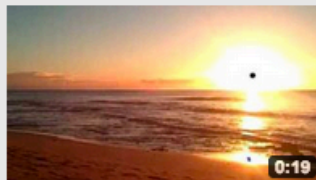
101 views | 2 years ago



[A Walk Along the Shore](#)

49 views | 2 years ago

111 views | 2 years ago



[Some Days I Need to Remind Mys...](#)

112 views | 2 years ago

132 views | 2 years ago



[ICC World Twenty20 Cricket - Wes...](#)

915 views | 2 years ago



[Fireball International 2010 - Barba...](#)

1,553 views | 2 years ago



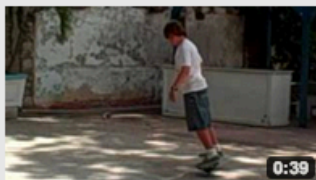
[Xunantunich Belize](#)

1,098 views | 2 years ago



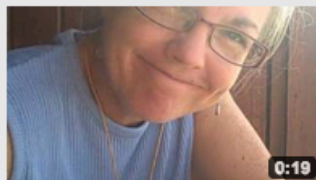
[So Many Beaches and Only a Year ...](#)

20 views | 2 years ago



[RipSticking](#)

71 views | 2 years ago



[I'm in the "Office" today](#)

44 views | 2 years ago



[Jammin' Catamaran Ride](#)

1,871 views | 2 years ago



[Northeast Barbados with the Girl ...](#)

231 views | 2 years ago



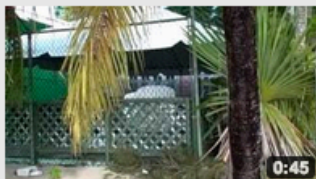
[The Bridgetown Fishmarket, Barb...](#)

1,749 views | 2 years ago



[On Tour in Barbados - The North ...](#)

478 views | 2 years ago



Professional Outcomes

Networking: Met new colleagues and further developed relationships with peers in my field. Research that I contributed on continues because of an invited lecture, student in audience pursued working in Barbados with UWI.

Change in Career Direction: Pursuing independent scholarship and consulting that utilizes my technological skills in GIS, instructional technology, curriculum development and assessment.



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Personal Outcomes

Rewarding Experience: Felt truly useful; I had the extreme satisfaction in knowing I was contributing to the development of the University of the West Indies and my host department, CERMES.

Flexibility: Living and working in a different environment and culture has enhanced my understanding of the Caribbean and of my own country. This was also a benefit to my family!



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Tips for the Fulbright Core proposal

- Listen to the CIES webinars
- Make calls to the Program Officers
- Write your proposal for reviewers who are intelligent non-specialists
- Contact past Fulbrighters and get their take on a country or institution
- If you need a letter of invitation, pick up the phone



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Questions



Contact: meg.stewart@fulbrightmail.org

Twitter: [@meg_stewart](https://twitter.com/meg_stewart)



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