

The Climate Change & Human Health Group (CCHHG): Data integration and the Metadata Access Tool for Climate and Health

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ORD, EPA

Extreme Weather, Climate and Health: Putting Science into Practice

January 30, 2013



United States
Global Change
Research Program



Roles of CCHHG

- **Coordinating federal research** efforts on climate change and human health
- Incorporating a **One Health approach**, recognizing that human health is inextricably linked to animal, ecosystem, and environmental health.
- Ensuring research agendas are **informed by end users** of the information (stakeholders)
- Serving as a **conduit of information** between the USGCRP and stakeholders on climate change and health issues
- Providing expertise to USGCRP reports and **assessments including the National Climate Assessment**, USGCRP Strategic Plan, and federal Adaptation Task Force report
- Representing GCRP on **health issues internationally**

CCHHG Membership

Co-chairs:

- National Institute of Environmental Health Sciences (NIEHS)
- Centers for Disease Control and Prevention (CDC)
- National Oceanographic and Atmospheric Administration (NOAA)

Representatives:

- Department of Defense (DOD)
- Department of State (DOS)
- Environmental Protection Agency (EPA)
- National Aeronautics & Space Administration (NASA)
- National Science Foundation (NSF)
- U.S. Agency for International Development (USAID)
- U.S. Department of Agriculture (USDA)
- U.S. Geological Survey (USGS)
- National Institutes for Health (NICHD)



CCHHG Workstreams

- **Adaptation** – support for the Interagency Climate Change Adaptation Task Force
- **Assessment and Indicators** – technical input, stakeholder engagement, and sustained assessment activities for the National Climate Assessment
- **Communication, Education, and Engagement** – coordination with USGCRP on outreach to public health stakeholders
- **Data Integration** – development of Metadata Access Tool for Climate and Health (MATCH)
- **International** – review of international adaptation plans and assessments, and engagement with global health community
- **Joint Research and Application** – development of a coordinated and synergistic climate change & human health research application community

MATCH Background

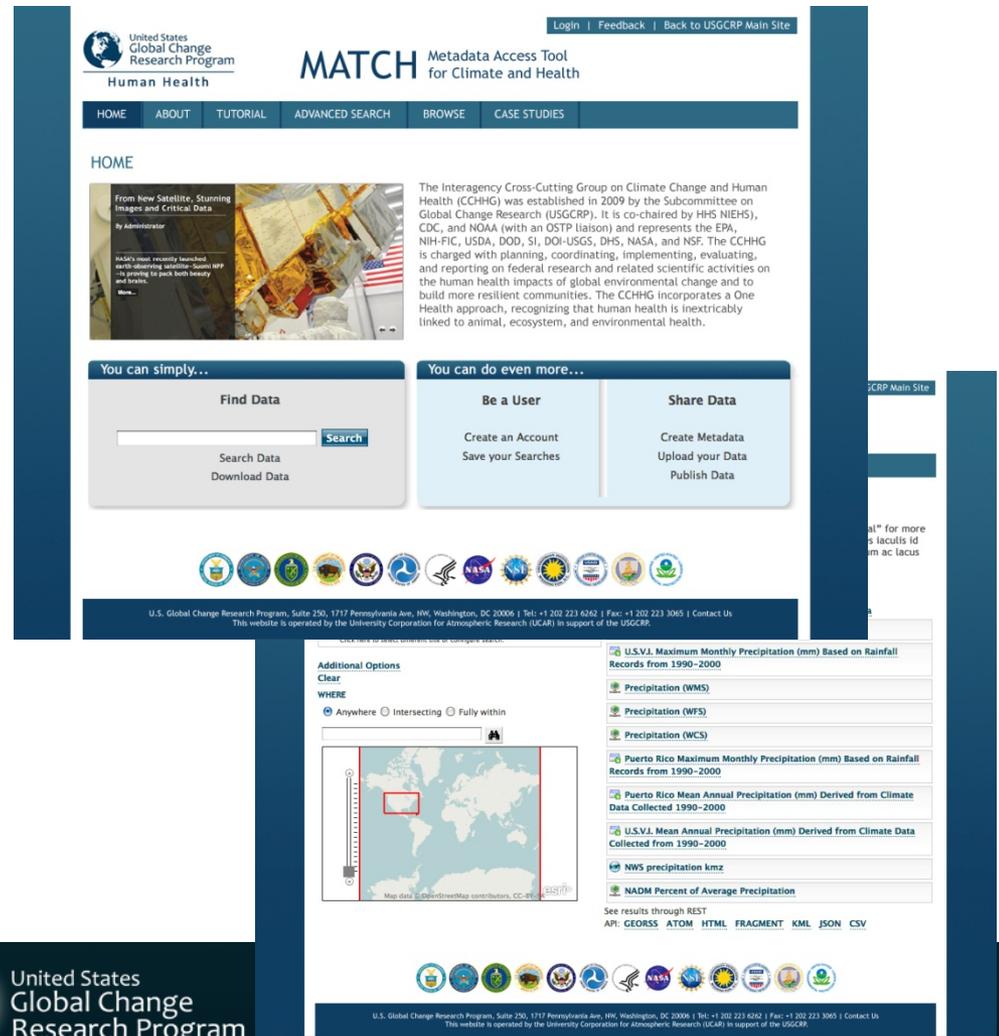
- Initial effort was to identify gaps among, and somehow integrate existing environmental, climate, and public health data, surveillance and early warning systems.
- After several stakeholder listening sessions, the need became apparent for an easily accessible database of climate and health data
- Work began in 2010 to develop a system to allow users to access metadata on climate and health datasets, with access to publicly available data
- Built around interagency survey tool
- USGCRP and CEQ Adaptation Task Force Deliverable

MATCH

Metadata Access Tool for Climate and Health

MATCH is an interactive
metadatabase clearinghouse that:

- Makes accessible metadata from critical datasets *spanning public health surveillance, climate, ocean and environmental data systems.*
- *Characterizes and provides links* to existing and emerging Federal data sets, early warning systems, and tools related to health impacts of global climate change.
- Includes caveats about data and points of contact-- designed to *improve quality of research* and promote data stewardship.



The screenshot displays the MATCH website interface. At the top, it features the United States Global Change Research Program logo and the title 'MATCH Metadata Access Tool for Climate and Health'. Navigation links include 'HOME', 'ABOUT', 'TUTORIAL', 'ADVANCED SEARCH', 'BROWSE', and 'CASE STUDIES'. A 'HOME' section provides an overview of the program. Below this, there are two main sections: 'You can simply...' with a 'Find Data' search box and 'Download Data' link, and 'You can do even more...' with options to 'Be a User' (Create an Account, Save your Searches) and 'Share Data' (Create Metadata, Upload your Data, Publish Data). A row of partner organization logos is shown below. The bottom section displays search results for 'U.S.V.I. Maximum Monthly Precipitation (mm) Based on Rainfall Records from 1990-2000', including a map of the region and a list of related data products like 'Precipitation (WMS)', 'Precipitation (WFS)', and 'Precipitation (WCS)'. The footer contains contact information and a disclaimer: 'This website is operated by the University Corporation for Atmospheric Research (UCAR) in support of the USGCRP.'

MATCH Goals

- Provide a curated, easily accessible clearinghouse of relevant Federal metadata on climate and health
- Increase quality of research by improving appropriate use of data
- Increase efficiency in solving research and policy questions
- Promote application of research and information to understand, mitigate, and adapt to the health effects of climate change
- Identify critical gaps
- Encourage collaboration to address emerging issues

MATCH team

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Jacqueline Mize (NOAA NCDDC)

Gregg Furie (EPA)

John Balbus (NIH)

Ben Beard (CDC)

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Paul Schramm (CDC)

Aaron Smith (USGCRP)

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Christine Jessup (NIH FIC/NOAA AAAS)

Brandon Sitzman (NOAA/AAAS)



MATCH Demonstration

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HOME



From New Satellite, Stunning Images and Critical Data

By Administrator

NASA's most recently launched earth-observing satellite—Suomi NPP—is proving to pack both beauty and brains.

[More...](#)

The Interagency Cross-Cutting Group on Climate Change and Human Health (CCHHG) was established in 2009 by the Subcommittee on Global Change Research (USGCRP). It is co-chaired by HHS NIEHS), CDC, and NOAA (with an OSTP liaison) and represents the EPA, NIH-FIC, USDA, DOD, SI, DOI-USGS, DHS, NASA, and NSF. The CCHHG is charged with planning, coordinating, implementing, evaluating, and reporting on federal research and related scientific activities on the human health impacts of global environmental change and to build more resilient communities. The CCHHG incorporates a One Health approach, recognizing that human health is inextricably linked to animal, ecosystem, and environmental health.

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ADVANCED SEARCH

Advanced search “help text” will go here. Provide a brief description of the tools on this page and link to the “Tutorial” for more detailed instructions. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Praesent quis lectus non turpis ultricies iaculis id et leo. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris non ipsum ac lacus aliquam rhoncus. Cras scelerisque laoreet tempus. Cras bibendum pellentesque pharetra. [View Tutorial](#)

Records shown from: This Site
Click here to select different site or configure search.

Additional Options
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WHERE

- Anywhere Intersecting Fully within



Results 1–10 of 124 record(s) [1](#) [2](#) [3](#) [4](#) [5](#) [>](#) [Last](#)

Expand results [Zoom To Results](#) [Zoom To Searched Area](#)

- [Precipitation](#)
- [U.S.V.I. Maximum Monthly Precipitation \(mm\) Based on Rainfall Records from 1990–2000](#)
- [Precipitation \(WMS\)](#)
- [Precipitation \(WFS\)](#)
- [Precipitation \(WCS\)](#)
- [Puerto Rico Maximum Monthly Precipitation \(mm\) Based on Rainfall Records from 1990–2000](#)
- [Puerto Rico Mean Annual Precipitation \(mm\) Derived from Climate Data Collected 1990–2000](#)
- [U.S.V.I. Mean Annual Precipitation \(mm\) Derived from Climate Data Collected from 1990–2000](#)
- [NWS precipitation kmz](#)
- [NADM Percent of Average Precipitation](#)

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How has coastal land use change affected vulnerability to extreme weather events on the Gulf Coast?

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KEYWORD SEARCH

"coastal change"

Search metadata content, e.g. title:SST;
use + to require keywords, e.g. +water +temperature;
use "" to search for an exact phrase, e.g. "water temperature"

Records Shown From: USGCRP MATCH Geoportal

[Click here to select different site or configure search.](#)

LOCATION SEARCH

Zoom map to desired area and choose "intersecting"
or "fully within". You can zoom the map by drawing a
bounding box while holding the "shift" button, or
simply type a geographic keyword.

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DATE OF CONTENT

Dates overlap range Dates within range



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Zoom map to desired area and choose "intersecting" or "fully within". You can zoom the map by drawing a bounding box while holding the "shift" button, or simply type a geographic keyword.

Anywhere Intersecting Fully within



Results 1-10 of 19 record(s) [1](#) [2](#) [>](#) [Last](#)

Expand results [Zoom To Results](#) [Zoom To Searched Area](#)

- [NOAA Coastal Change Analysis Program \(CCAP\) 1996 Era Land Cover Data of the Southern United States](#)
- [NOAA Coastal Change Analysis Program \(CCAP\) 1996-2001 Era Land Cover Change Data of the Southern United States](#)
- [NOAA Coastal Change Analysis Program \(CCAP\) 2001-2006 Era Land Cover Change Data of the Southern United States](#)

The NOAA Coastal Change Analysis Program (C-CAP) products are part of the Multi-Resolution Land Characteristics program, a nationally standardized database of land cover and change information, for the coastal regions of the U.S. C-CAP products inventory...

[Open](#) [Preview Website](#) [Details](#) [Metadata](#) [Zoom To](#)

- [NOAA Coastal Change Analysis Program \(CCAP\) 2006 Era Land Cover Data of the Southern United States](#)
- [NOAA Coastal Change Analysis Program \(CCAP\) 2001 Era Land Cover Data of the Southern United States](#)
- [NOAA Coastal Change Analysis Program \(CCAP\) 1996-2001 Era Land Cover Change Data of the South Atlantic United States](#)
- [NOAA Coastal Change Analysis Program \(CCAP\) 2006-Era Land Cover Data of the South Atlantic United States](#)
- [NOAA Coastal Change Analysis Program \(CCAP\) 1996 Era Land Cover Data of the South Atlantic United States](#)
- [NOAA Coastal Change Analysis Program \(CCAP\) 2001-](#)

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Details Review Relationships Preview

Identification Information

Title: NOAA Coastal Change Analysis Program (CCAP) 2001-2006 Era Land Cover Change Data of the Southern United States

Originator: Department of Commerce (DOC), National Oceanic and Atmospheric Administration (NOAA), National Ocean Service (NOS), Coastal Services Center (CSC)

Publication Place: Charleston, SC

Publisher: NOAA's Ocean Service, Coastal Services Center (CSC)

Publication Date: 2007 1031

Web UR: <http://www.csc.noaa.gov/crs/lca/gulfcoast.html>

Resource (Server) <http://www.csc.noaa.gov/>

URL:

Abstract: The NOAA Coastal Change Analysis Program (C-CAP) products are part of the Multi-Resolution Land Characteristics program, a nationally standardized database of land cover and change information, for the coastal regions of the U.S. C-CAP products inventory coastal intertidal areas, wetlands, and adjacent uplands with the goal of monitoring changes in these habitats, on a one-to-five year repeat cycle. The timeframe for the metadata is reported as 1996-Era, 2001-Era, or 2006-Era, but the actual dates of the landsat imagery used to create the land cover may have been acquired a few years before or after each era. These maps are developed utilizing Landsat Thematic Mapper imagery, and can be used to track changes in the landscape through time. This trend information gives important feedback to managers on the success or failure of management policies and programs and aid in developing a scientific understanding of the Earth system and its response to natural and human-induced changes. This understanding allows for the prediction of impacts due to these changes and the assessment of their cumulative effects, helping coastal resource managers make more informed regional decisions. This is a parent metadata record for this region. More detailed metadata is available at the dataset level.

Purpose: C-CAP is dedicated to the development, distribution, and application of land cover and change data for the coastal regions of the U.S. This effort is being conducted in close coordination with state coastal management agencies; the interagency Multi-Resolution Land Characteristics (MRLC) consortium, and the National Land Cover Database (NLCD) 2001 effort.

Progress: In work

Frequency: 5 years, or as needed

Time Period of Content

Date Range

Begin Date: 19990730

End Date: 20050815

Currentness: Date of Landsat Scenes

West Bounding Longitude: -101.077

East Bounding Longitude: -79.805



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KEYWORD SEARCH

"coastal chan

Search metadata use + to require use "" to search

Records 1
Click here to view records

LOCATION SEARCH

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Anywhere



DATE OF COMPLETION

Dates over



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Gulf Coast Land Cover

The Gulf of Mexico, which was formed over 300 million years ago, borders five U.S. coastal states: Texas, Louisiana, Mississippi, Alabama, and Florida. There are only speculations about the origin of the Gulf. A few of these theories, as documented by the Gulf of Mexico Foundation, state that the Gulf is a flooded continental crust, an ocean basin that has undergone rifting, or an ancient sea created when separate continents formed a single land mass. The allure of the Gulf's ocean breezes, white sandy beaches, and turquoise blue water brings millions of visitors to its shores year-round. Moreover, the Gulf of Mexico is a valuable economic, recreational, and environmental resource for those who live along its borders.



For this project, the NOAA Coastal Services Center created land cover and change data for the Gulf of Mexico region according to Coastal Change Analysis Program (C-CAP) standards. Products include land cover for 1996, 2001, and 2005, as well as change products that identify the changes documented between these dates.

In response to Hurricane Katrina, the NOAA Coastal Services Center created [land cover and change data for the areas impacted by Hurricane Katrina](#) in the Gulf of Mexico region according to Coastal Change Analysis Program (C-CAP) standards. This 2006 C-CAP land cover data product complements the Gulf of Mexico C-CAP land cover products for 1996, 2001, and 2005.

Project Data

Period
All states: 1996-2001-2005

Description
Land cover and land cover change data were produced for the U.S. Gulf of Mexico coastal region using 30 meter resolution Landsat Thematic Mapper and Landsat Enhanced Thematic Mapper satellite imagery.

Download Data

Texas

- Download [Texas 1996 Land Cover Data](#) 42.65 megabytes
- Download [Texas 2001 Land Cover Data](#) 42.53 megabytes
- Download [Texas 2006 Land Cover Data](#) 43.38 megabytes
- Download [Texas 1996 - 2001 Land Cover Change Data](#) 48.98 megabytes
- Download [Texas 2001 - 2006 Land Cover Change Data](#) 50.73 megabytes

Louisiana

- Download [Louisiana 1996 Land Cover Data](#) 14.63 megabytes
- Download [Louisiana 2001 Land Cover Data](#) 14.28 megabytes
- Download [Louisiana 2006 Land Cover Data](#) 15.32 megabytes
- Download [Louisiana 1996 - 2001 Land Cover Change Data](#) 17.88 megabytes

Has the incidence of *Vibrio* infection varied with changing sea surface temperatures?



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- Heat
- Human Development
- Infectious Disease
- Mental Health and Stress
- Neurological Disease and D
- Algal Bloom
- Respiratory Disease
- Water
 - Drought
 - Flood
 - Sea Level Rise
 - Water Quality
 - Waterborne Disease
 - Campylobacter Enter
 - Cholera**
 - Cryptosporidiosis (cry
 - Cyclosporiasis (cyclo
 - Giardiasis (giardia)
 - Legionellosis (legione
 - Salmonellosis (salmoi

1 results [Filter](#) [Clear](#)

Showing 1-1

Cholera and Other Vibrio Illness Surveillance System (COVIS)

The Cholera and Other Vibrio Illness Surveillance System (COVIS) is a Surveillance System - an organized infrastructure that enables the ongoing, systematic collection, management, analysis, interpretation, and dissemination of health-related data. Choler...

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KEYWORD SEARCH

Search metadata content, e.g. title:SST;
use + to require keywords, e.g. +water +temperature;
use "" to search for an exact phrase, e.g. "water temperature"

Records Shown From: USGCRP MATCH Geportal
Click here to select different site or configure search.

LOCATION SEARCH

Zoom map to desired area and choose "intersecting" or "fully within". You can zoom the map by drawing a bounding box while holding the "shift" button, or simply type a geographic keyword.

Anywhere
 Intersecting
 Fully within



Results 1-10 of 79 record(s) [1](#) [2](#) [3](#) [4](#) [5](#) [>](#) [Last](#)

Expand results [Zoom To Results](#) [Zoom To Searched Area](#)

-  [EmpiricalValues_SST_SeasonalComposite](#)
-  [EmpiricalValues_SST_MonthlyComposite](#)
-  [EmpiricalValues_SST_GrandComposite](#)
-  [NOAA Optimum Interpolation \(OI\) SST V2](#)
Produced weekly on a 1° grid. The analysis uses in situ and satelliteSST's plus SST's simulated by sea-ice cover. Before the analysis is computed, the satellite data is adjusted for biases. Monthly and monthly long-term means are also available.
[Open](#) [Preview](#) [Website](#) [Details](#) [Metadata](#) [Zoom To](#)
-  [Monthly SST images of Stellwagen Bank National Marine Sanctuary](#)
-  [7 Day \(Latest Pixel Composite\) of Nighttime Sea Surface Temperature in the Gulf of Mexico](#)
-  [7 Day \(Latest Pixel Composite\) of Phytoplankton Absorption at 443 nm \(QAA\) in the Gulf of Mexico](#)
-  [Sea surface temperature and history derived from an analysis of MODIS Level 3 data for the Mississippi Bight](#)
-  [7 Day \(Latest Pixel Composite\) of Dom and Detrital Absorption at 443 nm \(QAA\) in the Gulf of Mexico](#)
-  [7 Day \(Latest Pixel Composite\) of Backward Scattering at 555 nm \(QAA\) in the Gulf of Mexico](#)

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DATE OF CONTENT

Dates over dan range Dates within range

Has the incidence of human West Nile Virus infection varied with changes in temperature and precipitation?



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use "" to search for an exact phrase, e.g. "water temperature"*

Records Shown From: USGCRP MATCH Geportal

[Click here to select different site or configure search.](#)

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Anywhere Intersecting Fully within



DATE OF CONTENT

Dates over date range Dates within range

Results 1-1 of 1 record(s)

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National Arboviral Surveillance System (ArboNET)

The National Arboviral Surveillance System (ArboNET) is a Surveillance System - an organized infrastructure that enables the ongoing, systematic collection, management, analysis, interpretation, and dissemination of health-related data. National Arboviral...

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use "" to search for an exact phrase, e.g. "water temperature"

Records Shown From: NOAA NCDC Geoportal
Click here to select different site or configure search.

NOAA NCDC Geoportal

Select sites where the search will be distributed
You may select up to 5 sites.

USGCRP MATCH Geoportal

USGS Mercury

EPA Environmental Dataset Gateway

NOAA NCDC Geoportal

NOAA NODC Geoportal

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Zoom map to desired area and choose "intersecting" or "fully within". You can zoom the map by drawing a bounding box while holding the "shift" button, or simply type a geographic keyword.

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Results 1–10 of 146 record(s)

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A Comparison of NEXRAD Rainfall Estimates with Recorded Amounts

Climate Prediction Center(CPC)Daily U.S. Precipitation and Temperature Summary

Climate Prediction Center(CPC)Daily GOES Precipitation Index (GPI)

Monthly Summaries of Global Historical Climatology Network (GHCN) Daily, Version 2
Monthly Summaries of the Global Historical Climatology Network (GHCN)-Daily is a product derived from GHCN-Daily. Values are simple averages or monthly accumulations. GHCN-Daily is a data set whose aim is to address the need for historical daily records...
[Website](#) [Metadata](#) [Zoom To](#)

Climate Prediction Center (CPC) US daily temperature analyses

Global Historical Climatology Network (GHCN) Daily, Version 2

U.S. Daily Climate Normals (1971–2000)

U.S. Daily Climate Normals (1981–2010)

National Weather Service Daily Climate Report (CLI)

Daily Optimum Interpolation Sea Surface Temperature (OISST) from AVHRR and AMSR-E on a Global 0.25 Degree Grid (1981–Present)

MATCH Next Steps

- Beta Test February 15-March 1.
- Live March 30
- Multiple metadata displayed simultaneously
- Top 50 list
- Links to actual data mapping capacity (NEPHT, IRI Data Library, other USG efforts—Global Climate Information Service, EcoINforma)
- Add caveats and early warning systems

Questions, Comments and Beta Testing Volunteers!!

For more information, visit:

<http://www.globalchange.gov/what-we-do/climate-change-health>

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KEYWORD SEARCH

*Search metadata content, e.g. title:SST;
use + to require keywords, e.g. +water +temperature;
use "" to search for an exact phrase, e.g. "water temperature"*

Additional Search Options

LOCATION SEARCH

*Zoom map to desired area and choose "intersecting"
or "fully within". You can zoom the map by drawing a
bounding box while holding the "shift" button, or
simply type a geographic keyword.*

Anywhere Intersecting Fully within



KEYWORD SEARCH

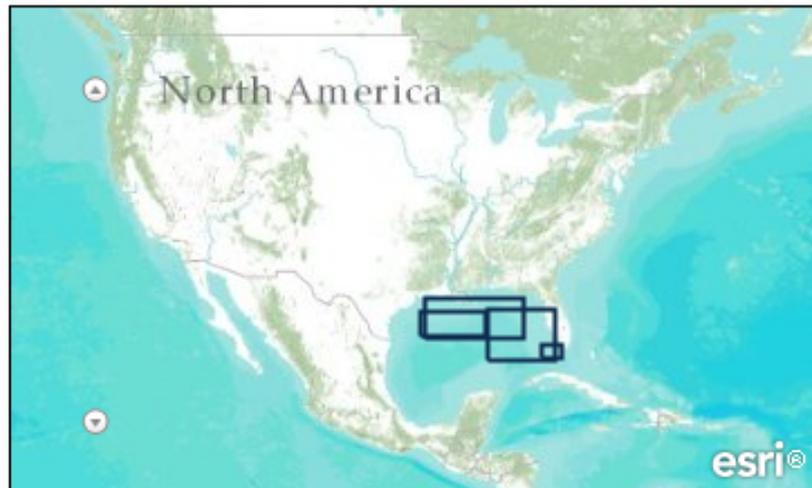
Search metadata content, e.g. title:SST;
use + to require keywords, e.g. +water +temperature;
use "" to search for an exact phrase, e.g. "water temperature"

Additional Search Options

LOCATION SEARCH

Zoom map to desired area and choose "intersecting" or "fully within". You can zoom the map by drawing a bounding box while holding the "shift" button, or simply type a geographic keyword.

Anywhere
 Intersecting
 Fully within

Results 1-10 of 3186 record(s) >

Expand results

 [Continuous bottom temperature measurements in strategic areas of the Florida Reef Tract](#)

 [Thermosalinograph Data of the Hawaii Ocean Time-series \(HOT\) program in the North Pacific 100 Miles North of Oahu, Hawaii for Cruises HOT155-176 during 2004-2005](#)

 [Thermosalinograph Data of the Hawaii Ocean Time-series \(HOT\) program in the North Pacific 100 Miles North of Oahu, Hawaii for Cruises HOT101-121 during 1999-2000.](#)

 [Thermosalinograph Data of the Hawaii Ocean Time-series \(HOT\) program in the North Pacific 100 Miles North of Oahu, Hawaii for Cruises HOT122-154 during 2001-2003.](#)

 [Temperature, Salinity, and Water Chemistry Data from the Comprehensive Environmental Monitoring Program of the Ocean Thermal Energy Conversion Plant at Keahole, Island of Hawaii, from Shallow and Deep Intake Pipes during 1982-2004](#)

 [Ocean Profiles of Salinity, Temperature, and Sound Velocity from the Generalized Digital Environmental Model Variable Resolution \(GDEMV\) Version 2.3](#)

 [AFSC/ABL: Little Port Walter Marine Research Station Supply Run Oceanographic Observations](#)

 [New River Activities for Ocean Explorer FY 1105](#)

KEYWORD SEARCH

 Clear

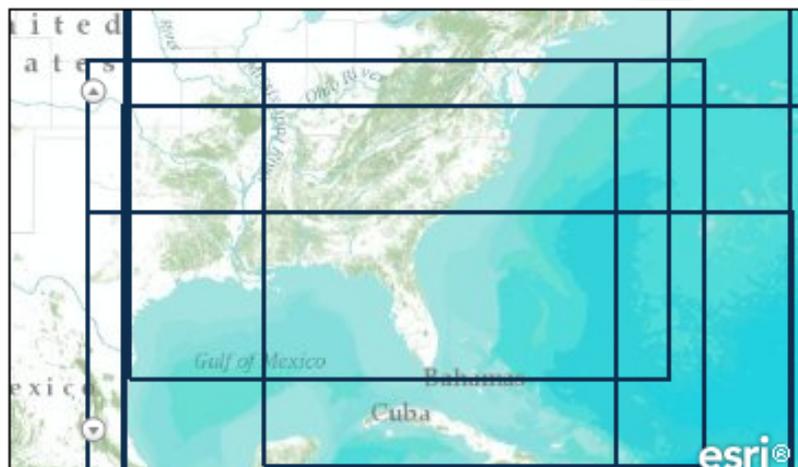
Search metadata content, e.g. title:SST;
 use + to require keywords, e.g. +water +temperature;
 use "" to search for an exact phrase, e.g. "water temperature"

Additional Search Options

LOCATION SEARCH

Zoom map to desired area and choose "intersecting"
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 bounding box while holding the "shift" button, or
 simply type a geographic keyword.

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Results 1-10 of 2530 record(s)

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[Hurricane Katrina Simulation Using the ADCIRC Coastal Circulation and Storm Surge Model, 2005](#)

[Bathymetric Ranges for South Atlantic Bight](#)

[Bathymetry for South Atlantic Bight](#)

[Coastal Vulnerability to Sea-Level Rise: A Preliminary Database for the U.S. Atlantic, Pacific, and Gulf Coasts](#)

[Biochemical Systematics - Genetic Identification of Centropomus Species \(Snook\) \(H\)](#)

[Genetic Analysis - Genetic Identification of Bonefish Species](#)

[Navy Coastal Ocean Model \(NCOM\), Gulf of Mexico and Caribbean Region](#)

[Sea Surface Heights from Naval Oceanographic Office's Navy Coastal Ocean Model \(NCOM\), Gulf Of Mexico](#)

[Sea Surface Temperatures from Naval Oceanographic Office's Navy Coastal Ocean Model \(NCOM\), Gulf Of Mexico](#)

[Sea Surface Salinities from Naval Oceanographic Office's Navy Coastal Ocean Model \(NCOM\), Gulf Of Mexico](#)

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API: [GEORSS](#) [ATOM](#) [HTML](#) [FRAGMENT](#) [KML](#) [JSON](#) [CSV](#)

KEYWORD SEARCH

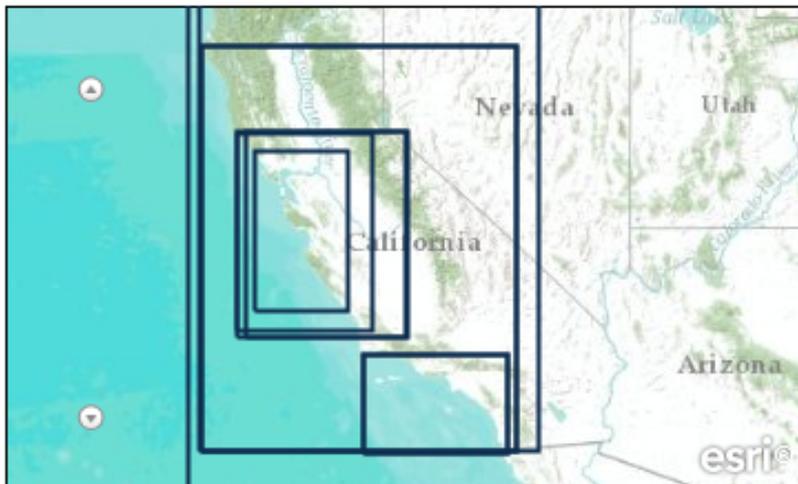
Search metadata content, e.g. title:SST;
use + to require keywords, e.g. +water +temperature;
use "" to search for an exact phrase, e.g. "water temperature"

Additional Search Options

LOCATION SEARCH

Zoom map to desired area and choose "intersecting" or "fully within". You can zoom the map by drawing a bounding box while holding the "shift" button, or simply type a geographic keyword.

Anywhere
 Intersecting
 Fully within

Results 1-10 of 2359 record(s) [1](#) [2](#) [3](#) [4](#) [5](#) [>](#) [Last](#)

Expand results
 [Zoom To Results](#)
[Zoom To Searched Area](#)

 [California coastline](#)

 [California cities](#)

 [Central California coastal counties](#)

 [Lakes - Central Coastal California](#)

 [Precipitation Frequency for California, USA - NOAA Atlas 14 Volume 6](#)

 [Invertebrate diversity in southern California](#)

 [Invertebrate diversity in southern California](#)

 [Kelp distribution off California](#)

 [Kelp distribution off California](#)

 [2009 - 2011 California Coastal LiDAR Project](#)

See results through REST

API: [GEORSS](#) [ATOM](#) [HTML](#) [FRAGMENT](#) [KML](#) [JSON](#) [CSV](#)

Browse Catalog of Records

- Shigellosis (enterobacte
- Typhoid fever (salmone
- Vibriosis (vibrio)
- [-] Vectorborne Disease
 - California serogroup vi
 - Dengue
 - Domestic arboviral Dise
 - Erlichiosis/Anaplasmos
 - Lyme disease (borreli, c
 - Malaria (aedes, falcipar
 - Powassan virus
 - Rocky Mountain spotted
 - St. Louis encephalitis vi
 - West Nile virus
 - Western equine enceph
 - Yellow fever
- [+] Waterborne Disease
- [+] Zoonotic Disease
- [+] By Pathogen
- Mental Health and Stress

4 results

[Filter](#)

[Clear](#)

Showing 1-4



Waterborne Diseases Outbreak Surveillance System (WBD OSS)

The Waterborne Diseases Outbreak Surveillance System (WBD OSS) is a Surveillance System – an organized infrastructure that enables the ongoing, systematic collection, management, analysis, interpretation, and dissemination of health-related data. Waterborn...

[Details](#) [Metadata](#)



Environmental Health Specialists Network (EHS-Net)

The Environmental Health Specialists Network (EHS-Net) is a Program – an organized set of projects and services intended to meet a public need. Environmental Health Specialists Network (EHS-Net) is Fully Operational and Implemented. The system began colle...

[Details](#) [Metadata](#)



NOAA Water Level Predictions Stations for the Coastal United States and Other Non-U.S. Sites

The National Ocean Service (NOS) maintains a long-term database containing water level measurements and derived tidal data for coastal waters of the United States and U.S. territories. These data allow for the determination and maintenance of vertical ref...

[Open](#) [Preview](#) [Website](#) [Details](#) [Metadata](#)



NOAA Water Level (Tidal) Data of 205 Stations for the Coastal United States and

Browse Catalog of Records

- [-] Catalog
 - [-] Allergies
 - [+] Algal Blooms
 - [+] Mold
 - [+] Pollen
 - [+] Cancer
 - [-] Cardiovascular Disease
 - [+] Heart Attack
 - [+] Hypertension
 - [+] Stroke
 - [+] Environmental Exposures
 - [+] Extreme Weather Events
 - [+] Food-related
 - [+] Heat
 - [+] Human Development
 - [+] Infectious Diseases
 - [+] Mental Health and Stress
 - [+] Neurological Diseases and
 - [-] Respiratory Diseases
 - [+] Asthma
 - [+] COPD

1 results

Filter

Clear

Showing 1-1



Asthma Surveillance

The Asthma Surveillance is a Surveillance System - an organized infrastructure that enables the ongoing, systematic collection, management, analysis, interpretation, and dissemination of health-related data. Asthma Surveillance is Fully Operational and Im...

[Details](#) [Metadata](#)



Details **Review** **Relationships**

Identification Information

Title: Harmful Algal Blooms Observing Systems (HABSOS) Cell Counts for the Gulf of Mexico

Originator: National Coastal Data Development Center

Publication
Date: Unpublished material

Abstract: This dataset contains cell count values (*Karenia brevis*) from water samples taken for Texas, Louisiana, Mississippi, Alabama, and Florida. *Karenia brevis* produces a suite of toxins responsible for fish kills, human respiratory problems, and, less often, neurotoxic shellfish poisoning (NSP).

Purpose: Scientists are studying the occurrences and effects of *Karenia brevis* to better forecast bloom events and to help prevent health problems associated with fish kills and neurotoxic shellfish poisoning. This data helps state agencies assess public health risks in the shellfish and tourism industries. The purpose for grouping all the Gulf of Mexico cell count data was to create a digital, querible format for states to view their own data as well as that of the neighboring states.

Progress: In work

Frequency: As needed

Time Period of Content

Date Range

Begin Date: 19951024

End Date: 20050928

Currentness: ground condition

West Bounding Longitude: -97.658330

MATCH

Metadata Access Tool
for Climate and Health

- HOME
- ABOUT
- SEARCH
- BROWSE
- HELP
- CONTRIBUTE

Browse Catalog of Records

- Giardiasis (giarda)
- Norovirus
- Salmonellosis (enteroba
- Shigellosis (enterobacte
- Typhoid fever (salmone
- Vibriosis (vibrio)
- Vectorborne Disease
 - California serogroup vi
 - Dengue
 - Domestic arboviral Dise
 - Erlchiosis/Anaplasmos
 - Lyme disease (borreli, c
 - Malaria (aedes, falcipar
 - Powassan virus
 - Rocky Mountain spotted
 - St. Louis encephalitis vi
 - West Nile virus
 - Western equine enceph
 - Yellow fever
- Waterborne Disease

24 results

Filter

Clear

Showing 1-10

1

2

3



Distribution of Upper Respiratory Tract Disease in Gopher Tortoises

Blood samples were collected from 234 gopher tortoises (*Gopherus polyphemus*) to determine exposure to the pathogen (*Mycoplasma agassizii*) that causes upper respiratory tract disease (URTD). Twenty-seven (12%) of the 234 tortoises were seropositive, indic...

[Details](#) [Metadata](#)



Effects of Upper Respiratory Tract Disease in Gopher Tortoises

Blood and nasal flushes were collected from radio transmitted gopher tortoises (*Gopherus polyphemus*) yearly on 3 sites with upper respiratory tract disease (Oldenburg Mitigation Park, Gold Head Branch State Park, Cecil Field Naval Air Station) and a con...

[Details](#) [Metadata](#)



FFR_FFB_LMBV_Lab Studies_Phase I

In a laboratory setting, Florida bass were injected with the LMBV (largemouth bass virus) and the subsequent antibody response was recorded for each fish. Data include date, pit tag number, weight and total length, and result of antibody test (positive o...

[Details](#) [Metadata](#)



Largemouth Bass Virus Lab Studies Phase II

In a laboratory setting, Florida bass that were previously injected with the LMBV