



## NOAA's Coral Reef Conservation Program (CRCP) Coral Reef Information System (CoRIS) Status Report

January – March 2010

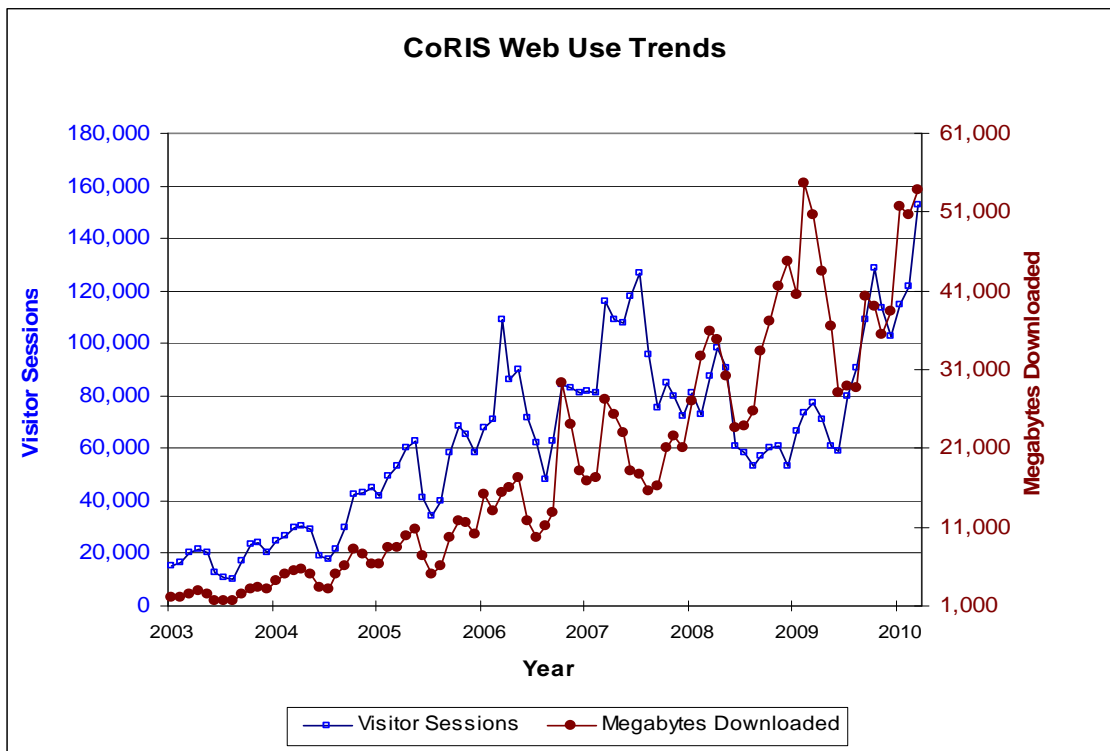
### CoRIS Project Highlights

- Web pages for recent CRCP publications, including (1) *Determining Thermal Capacitance for Protected Area Network Design in Palau* ([http://coris.noaa.gov/activities/thermal\\_tech/](http://coris.noaa.gov/activities/thermal_tech/)); (2) *Report to Congress on the Implementation of the Deep Sea Coral Research and Technology Program 2008-2009* ([http://coris.noaa.gov/activities/reportcongress\\_dscrtcp\\_2010/](http://coris.noaa.gov/activities/reportcongress_dscrtcp_2010/)); (3) *Proceedings of the International Workshop on Red Coral Science, Management, and Trade: Lessons from the Mediterranean* ([http://coris.noaa.gov/activities/lessons\\_mediterranean/](http://coris.noaa.gov/activities/lessons_mediterranean/)); and (4) *Demographic monitoring protocols for threatened Caribbean Acropora spp. corals* ([http://coris.noaa.gov/activities/dmp\\_acropora\\_spp/](http://coris.noaa.gov/activities/dmp_acropora_spp/)) were added to the "New Publications" section of CoRIS, which can be accessed from the CoRIS homepage.
- As part of its continuing efforts to better serve users by presenting region-specific coral data and information in a clear, concise, and integrated manner, CoRIS developed a new ecosystem essay about the Republic of Palau. The essay can be viewed at: [http://coris.noaa.gov/about/eco\\_essays/palau/](http://coris.noaa.gov/about/eco_essays/palau/). Questions and comments about the Republic of Palau ecosystem essay should be sent to: [coris.metadata@noaa.gov](mailto:coris.metadata@noaa.gov).
- To improve the functionality of the CoRIS Web site, staff updated the Coral Data search tool to point to html copies of Federal Geographic Data Committee (FGDC) metadata records. The html metadata records are presented so that text will wrap in the browser window, all URLs will be represented as active hyperlinks, and a Table of Contents will be included to allow for easier navigation between different metadata sections.
- CoRIS staff traveled to Miami from March 2-5, 2010 to meet with CRCP partners at the Southeast Fisheries Science Center (SEFSC) and the Atlantic Oceanographic and Meteorological Laboratory (AOML). The site visit included meetings with 23 CRCP Project Managers and staff members, who are a part of AOML, multiple SEFSC facilities in the Southeast (Miami, St. Petersburg, Panama City, FL and Galveston, TX), the Southeast Regional Office (SERO), and the Office of Ocean and Coastal Resource Management (OCRM). Staff also met with the Deputy Director of SEFSC. CoRIS discussed on-going activities of its project and individual projects in the field; collected outstanding project deliverables; provided basic assistance with FGDC-compliant metadata creation; and obtained substantial insight from the field as to ways in which CoRIS could enhance different website features or tools to better serve CRCP partners and the external user community. CoRIS also conversed with Project Managers and staff about the benefits of archiving data and methods by which to submit data to NOAA National Data Archives for

long-term preservation and public access. In addition, CoRIS received substantial feedback from the field about the current CRCP reorganization process. Questions and comments received were forwarded to the CRCP SEA Team for further review and discussion.

- o Notes from the CoRIS orientation presentation and individual project meetings that were part of the site visit to Miami will be compiled shortly into a report with appropriate Actions Items for staff to complete. The site visit report will be distributed to NOAA staff who participated in the workshop, as well as Line Office Representatives at CRCP Headquarters, as appropriate.

## Web Use Trends



In addition to the above statistics, 24,046 publications and data available through <http://data.nodc.noaa.gov/coris/> in CoRIS were accessed by visitors to the website during the second quarter of FY2010.

**Table 1 – Regional Portal Usage Summary**

	<b>FY09 - Q2</b>	<b>FY09 - Q3</b>	<b>FY09 - Q4</b>	<b>FY10 - Q1</b>	<b>FY 10 – Q2</b>	<b>Total</b>
American Samoa	267	282	243	805	721	2,318
CNMI	364	361	355	827	1,151	3,058
Florida	651	547	451	1,035	1,163	3,847
Flower Garden Banks	398	406	305	711	742	2,562
Guam	370	422	371	976	948	3,087
Hawaii	512	533	441	1,024	1,078	3,588
Homepage	1,269	1,213	1,095	1,566	1,652	6,795
Marshall Islands	323	422	336	827	867	2,775
Micronesia	309	380	323	694	713	2,419
Navassa	304	270	231	657	826	2,288
NWHI	213	227	170	526	553	1,689
Palau	299	359	312	726	676	2,372
PRIAs	307	319	236	675	905	2,442
Puerto Rico	403	433	342	993	1,007	3,178
Virgin Islands	559	482	226	671	830	2,768
<b>Total</b>	<b>6,548</b>	<b>6,656</b>	<b>5,437</b>	<b>12,713</b>	<b>13,832</b>	<b>45,186</b>

Table 1 demonstrates the number of times Regional Portal pages were accessed each month, since January 2009, by visitors to the CoRIS Web site.

### **CoRIS Product Highlights**

**Metadata** – The 3,807 metadata records in CoRIS provide managers, researchers, and the public access to 32,193 coral data products via the CoRIS Web site portal. As identified in Table 4, CoRIS continues to acquire metadata. Between January and March 2010, staff added 223 new metadata records and updated 3,673 records.

**Publications** – CoRIS received and cataloged 96 coral publications in the CoRIS virtual library or NOAA Library from January–March. Types of products received include NOAA technical memoranda and formal reports, workshop reports, conference proceedings and abstracts, unpublished scientific reports, citations of published journal articles, websites, educational brochures, field guides, and video imagery. The CoRIS Web site currently provides access to 2,464 coral publications and online resources, which are referenced in the NOAA Library or CoRIS virtual library database.

CoRIS serves as a portal to NOAA coral data and information. The project is gathering data and publications from CRCP-funded PIs and other NOAA coral sources and making this information discoverable on the CoRIS Web site for use by the public. The following 10 tables summarize and provide details about the metadata, data, and publications available through CoRIS.

**Table 2 – Summary of Data and Information Available via CoRIS Web site**

	<b>Metadata Records</b>	<b>Data Products</b>	<b>Data Files Served by CoRIS</b>	<b>CoRIS Virtual Library Entries</b>
Dec-08	2,472	30,390	7,187	1,690
Mar-09	2,675	30,851	7,163	1,695
Jun-09	2,778	30,970	7,460	1,816
Sep-09	3,031	31,319	7,534	2,128
Dec-09	3,598	31,729	7,686	2,338
Mar-10	3,807	32,193	8,396	2,464

Table 2 presents the number of metadata records, data files, data products, and publications that have been added to or are served by the CoRIS Web site since the first quarter of FY 2009.

**Table 3 – Summary of CoRIS Metadata Records by Line Office**

<b>Office/Group</b>	<b>FY10 Records</b>	<b>Total Records</b>
NESDIS	21	451
NMFS	864	2,241
NOS	113	940
OAR	6	164
Miscellaneous	0	11
<b>Total</b>	<b>1,004</b>	<b>3,807</b>

Table 3 lists the number of metadata records within CoRIS by Line Office.

**Table 4 – Recent CoRIS Metadata Additions**

<b>Source</b>	<b>Description</b>	<b>Metadata Records</b>
NMFS	CRED Towed-Diver Fish Biomass Surveys	100
NMFS	Florida Reef Fish Visual Census 1999 – 2006 data	1
NMFS	Backscatter imagery extracted from gridded bathymetry of Penguin Bank, Molokai, Hawaii, USA	2
NMFS	Gridded bathymetry of Ni‘ihau Island, Hawaii, USA	1
NMFS	Gridded bathymetry of Penguin Bank, Hawaii, USA	1
NMFS	Gridded multibeam bathymetry and SHOALS LIDAR bathymetry of Penguin Bank, Hawaii, USA	1
NMFS	Backscatter imagery of Ni‘ihau Island, Hawaii, USA	3
NMFS	Biological data collected aboard the NOAA Ship NANCY FOSTER during cruise #NF0805, March 11th - March 24th, 2008. Biological data collected during larval collections in St. Thomas April 1- 8th, 2008	1
NMFS	2003 Optical Validation Data from Farallon de Pajaros (Uracas) in the Commonwealth of the Northern Mariana Islands	1

NMFS	Gridded multibeam bathymetry of Farallon de Pajaros (Uracas), Commonwealth of the Northern Mariana Islands (CNMI)	1
NESDIS	Coral Ecosystem related datasets from the National Oceanographic Data Center Archive	17
NESDIS	The Coral Reef Temperature Anomaly Database (CoRTAD) Version 2 - Global, 4 km Sea Surface Temperature and Related Thermal Stress Metrics for 1982-2008 (NODC Accession Number 0054501)	1
NOS	2009 Fish and Habitat Assessment and Monitoring Data from the Caribbean Coral Reef Ecosystem Monitoring Project	9
NOS	2009 Vieques, Puerto Rico Data from Seafloor Characterization of the U.S. Caribbean Project	14
NOS	Shallow-Water and Moderate Depth Benthic Habitats of St. John, USVI	32
NOS	2007/2008 LiDAR data from Southeast Florida and the Florida Keys	1
NOS	Hawaii LiDAR data	2
NOS	C-CAP Land Cover Data and Impervious Surface Data, Commonwealth of the Northern Mariana Islands	15
NOS	C-CAP Land Cover Data, Guam	1
NOS	Impervious Surfaces, Jobos Bay Watershed, Puerto Rico	1
NOS	C-CAP Land Cover Data, Hawaii	8
NOS	C-CAP Land Cover Data and Impervious Surface Data, American Samoa	9
NOS	NOAA Water Level (Tidal) Data of 205 Stations for the Coastal United States and Other Non-U.S. Sites	1
	<b>Total Additions</b>	<b>223</b>
	<b>Total Metadata Record Updates and Enhancements</b>	<b>3,673</b>

Table 4 lists the metadata records that were added to the CoRIS Web site between January and March 2010.

**Table 5 – Top Downloaded Metadata Records**

<b>Metadata Name</b>	<b>Number of Downloads</b>
C-CAP Land Cover, United States Virgin Islands, St Thomas, 2003	252
Caribbean Coral Reef, Seagrass and Mangrove Sites (CARICOMP), (NODC Accession 0000501)	211
C-CAP Land Cover, United States Virgin Islands, St Croix, 2002	191
Bahamas Sea Water Temperature Data 1988-2003, PIMS Environmental Monitoring Program	187
The Coral Reef Temperature Anomaly Database (CoRTAD) Version 1 - Global, 4 km, Sea Surface Temperature and Related Thermal Stress Metrics for 1985-2005 (NODC Accession 0044419)	141
American Samoa Abandoned Vessel Inventory	138
ESI-VI12 Beef Island, U.K. Virgin Islands 2000 (Environmental Sensitivity Index Map)	137
High Resolution Aerial Photography of the Main Eight Hawaiian Islands, 2000	118
Palau NOAA Coral Reef Watch (CRW) Satellite Bleaching Alerts (SBAs)	113
High Resolution Aerial Photography of Puerto Rico and the U.S. Virgin Islands, 1965-1999	113

Table 5 identifies the top 10 metadata records accessed in March 2010.

**Table 6 – Frequency of Metadata Usage**

<b>Month</b>	<b>Number of Metadata Accessed</b>
Apr-09	203,600
May-09	168,993
Jun-09	200,694
Jul-09	173,603
Aug-09	191,212
Sep-09	222,600
Oct-09	284,155
Nov-09	141,304
Dec-09	105,657
Jan-10	187,015
Feb-10	129,503
Mar-10	222,840

Table 6 documents the total number of times metadata records were accessed from the server during the latter half of FY 2009 and the first two quarters of FY 2010.

**Table 7 – CRCP and NOAA Coral Publications Received**

<b>Source</b>	<b>Count</b>
NESDIS-NCDDC	1
NESDIS-NODC	9
NESDIS-ORA	1
NESDIS-STAR	2
NMFS-OHC	4
NMFS-PIFSC	7
NMFS-SEFSC	37
NMFS-SERO	3
NOS-NCCOS	4
NOS-OCRM	7
NOS-ONMS	14
OAR-AOML	3
OAR-OER	2
Unknown	2
<b>Total</b>	<b>96</b>

Table 7 lists new CRCP-funded and other NOAA coral publications, websites, etc. provided to CoRIS this quarter by CRCP Project Managers, Grantees, and other partners.

**Table 8 – CRCP and NOAA Coral Publications Cataloged**

<b>Type of Publication</b>	<b>Count</b>
Abstracts in Workshop or Conference Proceedings	9
Book	1
Booklet	1
Journal Article Citations	11
NOAA Web sites	7
Other Websites	3
Periodical	1
Technical Memoranda and Reports	46
Video	3
Workshop Proceedings	1
Miscellaneous/Other	13
<b>Total</b>	<b>96</b>

Table 8 documents the different types of CRCP-funded and other NOAA coral publications added to the CoRIS virtual library and NOAA Libraries catalogs between January and March 2010.

**Table 9 – Top Downloaded Publications**

File Name	Number of Downloads
Determining Thermal Capacitance for Protected Area Network Design in Palau	7,032
A Reef Manager's Guide to Coral Bleaching	5,725
Coral Health and Disease in the Pacific: Vision for Action	5,147
A National Coral Reef Action Strategy	4,234
Implementation of the National Coral Reef Action Strategy: Report to Congress (2008)	3,098
The State of Deep Coral Ecosystems of the United States: 2007	3,092
Proceedings of the International Workshop on Red Coral Science, Management, and Trade: Lessons from the Mediterranean.	3,032
Proceedings of the First International Workshop on <i>Corallium</i> Science, Management, and Trade	2,621
NOAA Coral Reef Ecosystem Research Plan for Fiscal Years 2007 to 2011	2,569
Status of Caribbean coral reefs after bleaching and hurricanes in 2005	2,118

Table 9 identifies the top 10 publications accessed in CoRIS from January to March 2010.

**Table 10 – Coral Reef Data Products provided to NOAA National Data Centers**

Office	Name
N/A	None

Table 10 identifies those data products that CoRIS submitted to a NOAA National Data Center for archiving during the past quarter.

**Table 11 – CoRIS Glossary and Acronyms/Abbreviations List**

Resource	Additions	Total
Glossary	89	6,054
Acronyms/Abbreviations List	530	4,006

Table 11 lists the number of terms added to the CoRIS Glossary and the Acronyms/Abbreviations List from January-March, as well as the total number of terms available in each as of March 31, 2010. The Glossary and Acronyms/Abbreviations List continue to be the most highly accessed sections of the CoRIS Web site.