



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

Q3 FY 2013  
April – June 2013

### CoRIS Project Highlights

- Regional Portals:

A search box was added to each regional portal which searches the CoRIS Geoportals for publications and metadata that are specific to that jurisdiction.

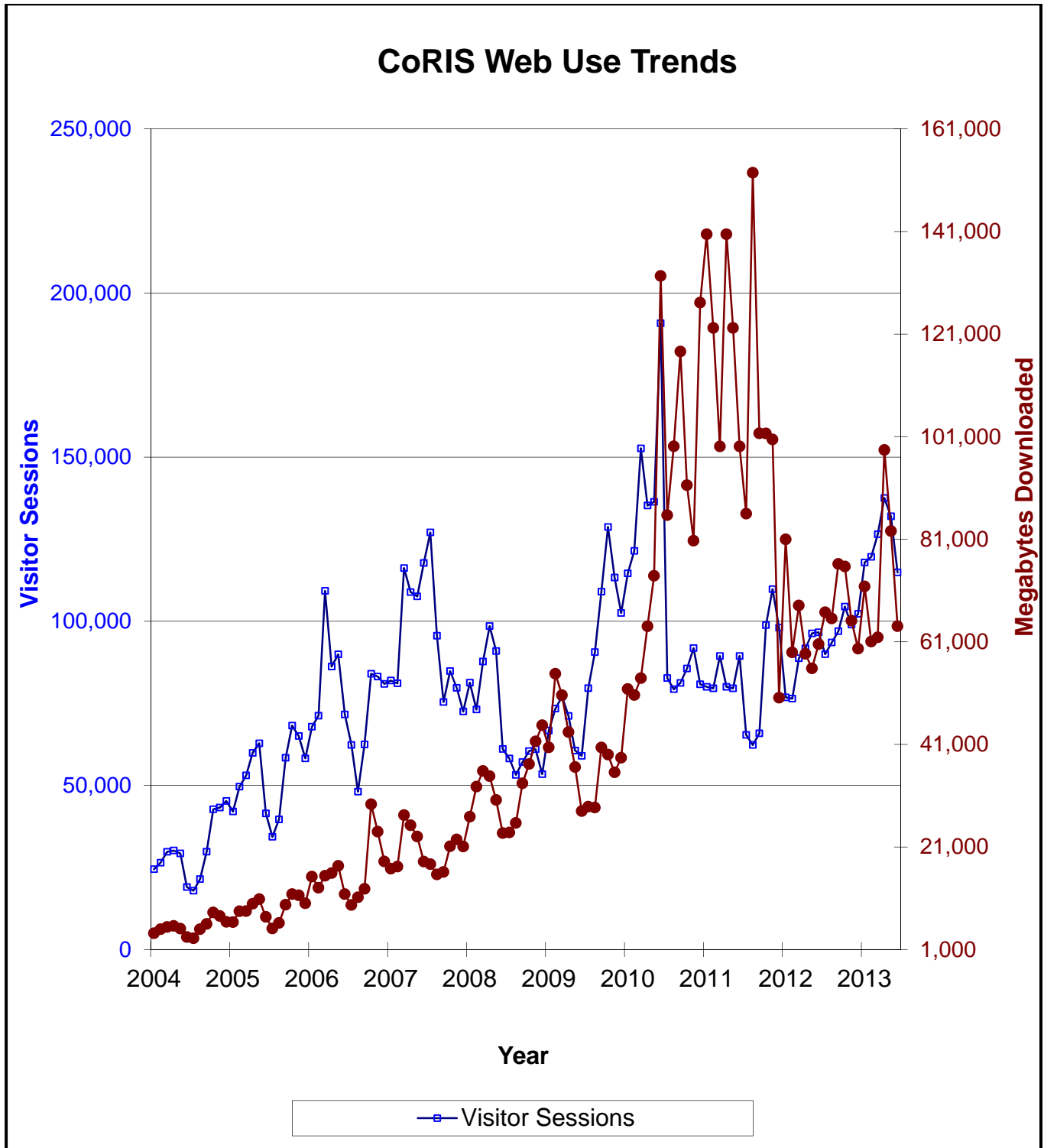
We have also updated the Regional Portals to remove outdated content and add links to recent work completed by CRCP projects. Each regional portal page now includes links to documents including:

- Management Priorities
- Capacity Assessment Reports
- Local Action Strategies
- Watershed Management Plans
- Conservation Action Plans



- Four new featured publications were added to the CoRIS website:
  - NOAA Coral Reef Watch 50 km Satellite Sea Surface Temperature-Based Decision Support System for Coral Bleaching Management - [http://coris.noaa.gov/activities/sst\\_satellite\\_decision\\_support/](http://coris.noaa.gov/activities/sst_satellite_decision_support/)
  - Product Development Plan for the Next Generation of Satellite Remote Sensing Products for NOAA Coral Reef Ecosystem Management Activities - [http://coris.noaa.gov/activities/crw\\_prod\\_dev\\_plan/](http://coris.noaa.gov/activities/crw_prod_dev_plan/)
  - Review of Programs to Protect Southeast Florida's Coral Reefs - [http://coris.noaa.gov/activities/florida\\_overview\\_lbsp/](http://coris.noaa.gov/activities/florida_overview_lbsp/)
  - Small Scale Experimental Systems for Coral Research: Considerations, Planning, and Recommendations – [http://coris.noaa.gov/activities/cdhc\\_experimental\\_sys/](http://coris.noaa.gov/activities/cdhc_experimental_sys/)

# Web Use Trends



In addition to the above statistics 118,422 publications were accessed by visitors to the website during the third quarter of FY 2013.

**Table 1 – Regional Portal Usage Summary**

Regional Portal	FY11 – Q3	FY11 – Q4	FY12 – Q1	FY12 – Q2	FY12 – Q3	FY12 – Q4	FY13 – Q1	FY13 – Q2	FY13 – Q3	Total
American Samoa	594	713	598	573	918	718	928	813	559	6,414
CNMI	679	723	719	820	1,037	964	1,288	1,170	1,042	8,442
Florida	1,067	1,360	1,640	1,843	2,779	2,436	2,695	2,615	3,161	19,596
Flower Garden Banks	746	723	719	682	2,201	3,364	977	800	652	10,864
Guam	815	1099	1,081	1,174	1,531	1,100	1,290	1,018	797	9,905
Hawaii	742	973	1,199	1,017	1,206	1,325	1,693	1,111	896	10,162
Homepage	994	1,123	921	857	4,683	8,424	1,626	830	874	20,332
Marshall Islands	836	928	1,125	1,147	1,374	1,472	1,719	1,160	1,025	10,786
Micronesia	663	635	660	601	835	693	911	790	585	6,373
Navassa	555	596	555	576	883	709	918	786	538	6,116
NWHI	444	585	583	539	874	732	914	734	530	5,935
Palau	552	621	534	520	801	664	931	793	562	5,978
PRIAs	611	663	609	608	907	769	955	879	636	6,637
Puerto Rico	1,322	2566	1217	1,193	1,435	1,697	1,525	1,261	1,185	13,401
Virgin Islands	591	769	687	724	960	809	998	866	615	7,019
Total	11,211	14,077	12,847	12,874	22,424	25,876	19,368	15,626	13,657	147,960

Table 1 demonstrates the number of times Regional Portal pages were accessed by visitors to the CoRIS Web site each quarter since the third quarter in FY 2011.

## CoRIS Product Highlights

**Metadata** – The 4,966 metadata records in CoRIS provide managers, researchers, and the public access to 47,763 coral data products via the CoRIS Web site portal. As identified in Table 4, CoRIS continues to acquire metadata. Between April and June 2013, staff added 72 new metadata records and updated 106 records.

**Publications** – CoRIS received and cataloged 94 coral publications in the CoRIS virtual library or NOAA Library from April to June. Types of products on the CoRIS website 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 3,669 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 ten 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-09	3,598	31,729	7,686	2,338
Mar-10	3,807	32,193	8,396	2,464
Jun-10	4,106	32,564	8,451	2,581
Dec-10	4,465	33,029	8,561	2,870
Mar-11	4,396	30,737	8,611	2,994
Jun - 11	4,470	30,979	8,666	3,074
Dec -11	4,616	42,684	8,748	3,192
Mar - 12	4,647	43,219	8,793	3,264
Jun - 12	4,665	45,702	8,833	3,346
Sep - 12	4,732	46,397	8,898	3,381
Dec - 12	4,766	46,979	8,936	3,519
Mar - 13	4,902	47,587	8,978	3,576
Jun - 13	4,966	47,763	9,028	3,669

Table 2 presents the quarterly total of metadata records, data files, data products, and publications that are served by the CoRIS Web site since the first quarter of FY 2010.

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

<b>Office/Group</b>	<b>FY13 Records</b>	<b>Total Records</b>
NESDIS	33	294
NMFS	125	3,328
NOS	88	1,138
OAR	1	195
Miscellaneous	0	11
<b>Total</b>	<b>247</b>	<b>4966</b>

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

**Table 4 – Recent CoRIS Metadata Additions**

<b>Source</b>	<b>Description</b>	<b>Metadata Records</b>
NOS	Coastal Change Analysis Program (C-CAP) Land cover Data for selected locations in Guam and the Commonwealth of the Northern Mariana Islands	6
NOS	2005 era Guam Impervious Surface Metadata	1
NOS	National Status and Trends: Guanica, Puerto Rico Contaminants Data	1
NOS	Artificial Reefs in US waters as of September 2012	1
NMFS	Preliminary hard and soft bottom seafloor substrate maps for Ni'ihau Island, Hawaii	2
NOS	Modeling Mesophotic Coral Distributions in the Au'au Channel, Hawaii	4
NOS	LiDAR data for selected Pacific Islands	9
NMFS	Historic Inventory of Acropora Around Puerto Rico and U.S. Virgin Islands	1
NOS	Seafloor Characterization of the U.S. Caribbean – 2012 Puerto Rico Data	9
NOS	Conservation Effects Assessment Project (CEAP): Jobos Bay data	7
OAR	Temperature, salinity, and chlorophyll data collected aboard the RV F.G WALTON SMITH in the Florida Keys National Marine Sanctuary, Gulf of Mexico, and North Atlantic Ocean from 01/29/1998 to 08/09/2012 (NODC Accession 0092099)	1
NMFS	Optical Validation Data - Pelekane Bay, Hawaii	2
NESDIS	NOAA Coral Reef Watch Operational Satellite Coral Bleaching Virtual Stations and Automated Satellite Bleaching Alerts	1
NOS	Continuous bottom temperature measurements in strategic areas of the Florida Reef Tract	20
NESDIS/ NODC	2002 Status of coral reefs on the main volcanic islands of American Samoa: a resurvey of long term monitoring sites including benthic communities, fish communities, and key macroinvertebrates (NODC Accession 0001976)	1
NESDIS/ NODC	Coral monitoring and growth change data from the Flower Garden Banks, Gulf of Mexico, 1998-1999 (NODC Accession 0000736)	1
OAR	Oceanographic data collected during the Florida Coast Deep Corals 2005 expedition aboard the R/V SEWARD JOHNSON along the east coast of Florida from November 7, 2005 - November 21, 2005 (NODC Accession 0002517)	1
NESDIS/ NODC	Algal, coral, and other data collected by scuba and photographs from M.V. FLING and M.V. SPREE for Post-Hurricane Assessment of Sensitive Habitats of the Flower Garden Banks Vicinity project from 13 November 2005 to 23 June 2007 (NODC Accession 0061208)	1
OAR	Oceanographic Data collected during the Lophelia II 2009: Deepwater Program: Exploration and Research of Northern Gulf of Mexico Deepwater Natural and Artificial Hard Bottom Habitats with Emphasis on Coral Communities: Reefs, Rigs and Wrecks on NOAA Ship Ronald H. Brown between August 19, 2009 - September 12, 2009 (NODC Accession 0081782)	1

OAR	Oceanographic data collected during the HB1204 (Deep-Sea Corals and Benthic Habitats in Northeast Deepwater Canyons) expedition on the NOAA Ship Henry Bigelow in the North Atlantic Ocean between July 3, 2012 - July 18, 2012 (NODC Accession 0097966)	1
OAR	Oceanographic data collected during the Bonaire 2008: Exploring Coral Reef Sustainability with New Technologies (bonaire2008) on Fetch1 AUV and Gavia AUV's in Netherlands, Antilles from January 6, 2008 - January 29, 2008 (NODC Accession 0072312)	1
	<b>Total Additions</b>	<b>72</b>
	<b>Total Metadata Record Updates and Enhancements</b>	<b>106</b>

Table 4 lists the metadata records that were added to the CoRIS Web site this quarter.

### Table 5 – Top Ten Downloaded Metadata Records

Metadata Name	Number of Downloads
Backscatter imagery in Jobos Bay	517
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)	492
GIS Map of Mosaiced LandSat 7 ETM+ Satellite Imagery of the Marshall Islands (NODC Accession 0067475)	472
Integrated hard and soft bottom seafloor substrate map of Ofu-Olosega, American Samoa, combining NOAA Pacific Island Fisheries Science Center Coral Reef Ecosystem Division hard-soft substrate map with NOAA Center for Coastal Monitoring and Assessment Biogeography Program shallow-water benthic habitat map of American Samoa.	439
Deep Sea Coral National Observation Database, Northeast Region	430
Historic Inventory of Acropora Around Puerto Rico and U.S. Virgin Islands	423
High Resolution Aerial Photography of Puerto Rico and the U.S. Virgin Islands, 1965-1999	417
National Status and Trends, Benthic Surveillance Project DNA-Xenobiotic Adducts Data, 1991, National Centers for Coastal Ocean Science	413
2008 IKONOS Image Vieques Puerto Rico - opo_260684_001_ps	412
Benthic Habitats of Puerto Rico; Photomosaic of Guayanil	410

Table 5 identifies the top ten metadata records accessed this quarter.

**Table 6 – Frequency of Metadata Usage**

<b>Month</b>	<b>Number of Metadata Accessed</b>
Jul-11	210,239
Aug-11	196,489
Sep-11	253,712
Oct-11	229,396
Nov-11	214,241
Dec-11	265,477
Jan-12	171,707
Feb-12	251,850
Mar-12	312,599
Apr-12	297,809
May-12	373,116
Jun-12	424,311
Jul-12	356,669
Aug-12	368,232
Sep-12	408,299
Oct-12	645,204
Nov-12	357,701
Dec-12	386,480
Jan-13	411,413
Feb-13	324,160
Mar-13	365,033
Apr-13	362,256
May-13	382,601
Jun-13	355,299

Table 6 documents the total number of times metadata records were accessed from the server.

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

<b>Source</b>	<b>Count</b>
NESDIS	5
NMFS	1
NMFS - HC	2
NMFS - SEFSC	1
NMFS - PIRO	1
NMFS - SERO	7
NMFS - PIFSC	2
NOS	1
NOS - IOOS	1
NOS - NCCOS	6
NOS - ONMS	10
NOS - OCRM	1
NOS - CED	1
GRANTS	34
<b>TOTAL</b>	<b>73</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 – Coral Publications Cataloged  
(this includes both NOAA & non-NOAA publication)**

Type of Publication	Count
Journal Article Citations	10
Web sites	4
NOAA Web Sites	3
Technical Memoranda and Reports	64
Manual	3
Media	5
Miscellaneous/Other	5
<b>Total</b>	<b>94</b>

Table 8 documents the different types of coral publications added to the CoRIS virtual library catalog this quarter.

**Table 9 – Top Ten Downloaded Publications**

File Name	Number of Downloads
Demographic Baseline Report of U.S. Territories and Counties Adjacent to Coral Reef Habitats - U.S. Virgin Islands Chapter	14,918
State of Deep Coral Ecosystems of the United States: 2007	6,438
Coral Reef Habitat Assessment for U.S. Marine Protected Areas: State of Florida: Dry Tortugas to Biscayne Bay	5,231
CoRIS Glossary of Terminology	5,002
Status of Caribbean coral reefs after bleaching and hurricanes in 2005	4,645
Small Scale Experimental Systems for Coral Research: Considerations, Planning, and Recommendations	4,393
Coral Disease and Health Workshop: Coral Histopathology II	3,822
Regulated and Protected Species in U.S. Caribbean Waters	3,505
State of Deep Coral Ecosystems in the Gulf of Mexico Region: Texas to the Florida Straits	3,397
NOAA Coral Reef Conservation Program Southeast Fisheries Science Center Activities and Accomplishments 2007-2010	3,330

Table 9 identifies the top ten publications accessed in CoRIS from April to June 2013.



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

Office	Name
OAR	Temperature, salinity, and chlorophyll data collected aboard the RV F.G WALTON SMITH in the Florida Keys National Marine Sanctuary, Gulf of Mexico, and North Atlantic Ocean from 01/29/1998 to 08/09/2012 (NODC Accession 0092099)

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	0	6,401
Acronyms/Abbreviations List	0	5,294

Table 11 lists the number of terms added to the CoRIS Glossary and the Acronyms/Abbreviations List this quarter, as well as the total number of terms available in each list. The Glossary and Acronyms/Abbreviations List continue to be one of the most highly accessed sections of the CoRIS Web site.