



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

**Q2 FY 2014
January – March 2014**

CoRIS Project Highlights

- An important component of NOAA's Coral Program efforts to protect coral reef ecosystems from land based sources of pollution (LBSP) has been the development of watershed management plans (WMPs) and conservation action plans. We have recently added a page to the CoRIS website which provides consolidated access to these plans and the corresponding implemented recommendations by jurisdiction:
<http://www.coris.noaa.gov/activities/projects/watershed/>
- The CoRIS Map Search was upgraded to a newer version of Google Maps software due to changes in the IT security requirements. The map code was also updated to support the full searchability of the ISO 19115-2 metadata format as some offices have begun to support metadata in the new format.
- Two project pages were added to capture the source materials used to generate watershed management plans in the U.S. Virgin Islands
 - St. Croix East End Watersheds -
http://www.coris.noaa.gov/activities/projects/watershed/stx_reports_watershed.html
 - St. Thomas East End Reserves Watershed -
http://www.coris.noaa.gov/activities/projects/watershed/stthomas_reports_watershed.html
- Brian Beck recently joined the Coral Program. Brian will be serving dual roles within the Coral Program as both the NESDIS SEA Team Line Office representative and as a data content manager within NODC in charge of archiving Coral Program data. While Brian is technically not a member of CoRIS, we wanted to extend a welcome to him as he will be playing an integral role in some of the data management and access services that our project provides to the larger Coral Program.

Web Use Trends

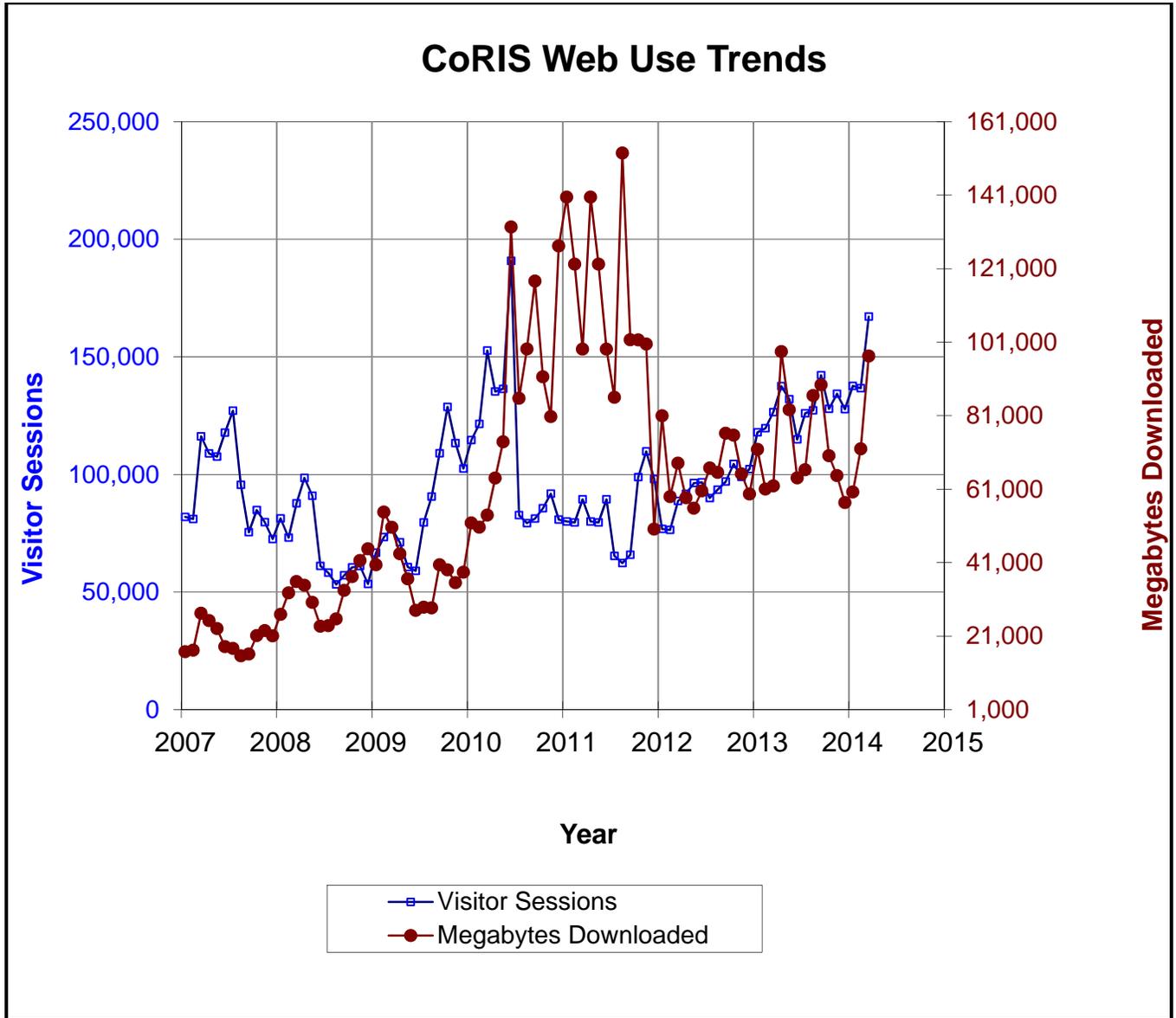


Table 1 – Regional Portal Usage Summary

Regional Portal	FY12 – Q2	FY12 – Q3	FY12 – Q4	FY13 – Q1	FY13 – Q2	FY13 – Q3	FY13 – Q4	FY14 – Q1	FY14 – Q2	Total
American Samoa	573	918	718	928	813	559	664	844	871	6,888
CNMI	820	1,037	964	1,288	1,170	1,042	1,187	1,317	1,227	10,052
Florida	1,843	2,779	2,436	2,695	2,615	3,161	3,806	3,173	3,091	25,599
Flower Garden Banks	682	2,201	3,364	977	800	652	679	773	728	10,856
Guam	1,174	1,531	1,100	1,290	1,018	797	794	897	891	9,492
Hawaii	1,017	1,206	1,325	1,693	1,111	896	990	1,396	904	10,538
Homepage	857	4,683	8,424	1,626	830	874	957	1,226	1,143	20,620
Marshall Islands	1,147	1,374	1,472	1,719	1,160	1,025	1,133	918	900	10,848
Micronesia	601	835	693	911	790	585	546	635	600	6,196
Navassa	576	883	709	918	786	538	517	652	502	6,081
NWHI	539	874	732	914	734	530	583	752	624	6,282
Palau	520	801	664	931	793	562	599	771	649	6,290
PRIAs	608	907	769	955	879	636	692	842	761	7,049
Puerto Rico	1,193	1,435	1,697	1,525	1,261	1,185	1,652	1,377	1,454	12,779
Virgin Islands	724	960	809	998	866	615	695	756	767	7,190
Total	12,874	22,424	25,876	19,368	15,626	13,657	15,494	16,329	15,112	156,760

Table 1 demonstrates the number of times Regional Portal pages were accessed by visitors to the CoRIS Web site each quarter since the second quarter in FY 2012.

CoRIS Product Highlights

Metadata – The 5,105 metadata records in CoRIS provide managers, researchers, and the public access to 49,016 coral data products via the CoRIS Web site portal. As identified in Table 4, CoRIS continues to acquire metadata. Between January and March 2014, staff added 33 new metadata records and updated 3,276 records.

Publications – CoRIS received and cataloged 118 coral publications in the CoRIS virtual library or NOAA Library from January to March 2014. 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 3,920 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

	Metadata Records	Data Products	Data Files Served by CoRIS	CoRIS Virtual Library Entries
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
Dec – 13	5,075	48,956	9,082	3,806
Mar -14	5,105	49,016	9,109	3,920

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 second quarter of FY 2010.

Table 3 – Summary of CoRIS Metadata Records by Line Office

Office/Group	FY14 Records	Total Records
NESDIS	10	360
NMFS	13	3,346
NOS	10	1,188
OAR	0	200
Miscellaneous	0	11
Total	33	5,105

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

Table 4 – Recent CoRIS Metadata Additions

Source	Description	Metadata Records
NODC	Comparative Assessment of Gulf Estuarine Systems (CAGES) Database - Fisheries-Independent Biological and Environmental Trawl Data (NODC Accession 0115183)	5
NODC	CTD, pH and Oxygen Data from Kaneohe Bay, Oahu, Hawaii 2004-2009 on R/V Kaholo in Support of Carbon Cycle Research (NODC Accession 0099831)	1
NODC	Hawaii Coral Reef Assessment and Monitoring Program (CRAMP): digital still images from transects on Kauai, Oahu, Molokai, Maui, and Hawaii 2008-2010 (NODC Accession 0104357)	1
NODC	Near shore water chemistry data from Island of Hawaii and Lanai 1988-2011 (NODC Accession 0104398)	1
NODC	GIS Map of Mosaicked LandSat 7 ETM+ Satellite Imagery of the Marshall Islands, Micronesia Federated States, and the Republic of Palau from January 1, 1999 to December 31, 2003 (NODC Accession 0067475)	1
CRED	NOAA/NMFS/CRED Deep CTD profiles from 15 cruises near islands, atolls and shoals in the central tropical Pacific 1999-2012 (NODC Accession 0115299)	1
CRED	CRED Rapid Ecological Assessment Reef Fish Surveys in the Main Hawaiian Islands and Northwestern Hawaiian Islands in 2013	7
CRW	NOAA Coral Reef Watch Experimental Global Seasonal Coral Bleaching Thermal Stress Outlook Product (CFS-based)	1
CRW	NOAA Coral Reef Watch Experimental Daily Global 5 km Satellite Coral Bleaching Thermal Stress Monitoring Product Suite	1
CRED	Mosaic of 2m bathymetry derived from multispectral IKONOS World View-2 satellite imagery of Swains Island, Territory of American Samoa, South Pacific, USA	1
CRED	Mosaic of 5m gridded multibeam bathymetry and bathymetry derived from multispectral World View-2 satellite imagery of Swains Island, Territory of American Samoa, South Pacific, USA	1
CRED	Inter-disciplinary study of flow dynamics and sedimentation stress effects on coral colonies in Faga'alu Bay, American Samoa: comprehensive assessment of coral demographics, March 2013	1
CRED	CRED Optical Validation Data at the islands of Ta'u, Ofu and Olosega in American Samoa, 2012 to support Benthic Habitat Mapping (TOAD)	2
NCCOS	Seafloor Characterization of the U.S. Caribbean – 2013 data from Puerto Rico, Northeast Grand Reserve, Haystack Seamount, Escollo Grapper, and Vieques	9
	Total Additions	33
	Total Metadata Record Updates and Enhancements	3,276

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
National Status and Trends, Benthic Surveillance Project DNA-Xenobiotic Adducts Data, 1991, National Centers for Coastal Ocean Science	564
1995 Quantitative Survey of the Corals of American Samoa (NODC Accession 0001972)	560
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)	529
Atlantic Ocean Acidification Test-Bed -- Net Ecosystem Calcification and Net Ecosystem Productivity, Cheeca Rocks, Florida Reef Tract FY2012	420
Oceanographic data collected during the Gulf of Alaska 2004 Expedition (alaska2004) on RV Atlantis in Gulf of Alaska from July 30, 2004 - August 23, 2004 (NODC Accession 0072310)	405
Landsat 7 ETM/1G satellite imagery - Hawaiian Islands cloud-free mosaics	399
Florida Reef Fish Visual Census 1985 Species Site Matrix (NODC Accession 0001394)	390
Oceanographic data collected during the Davidson Seamount 2002 expedition on the RV Western Flyer, in the North Pacific Ocean, southwest of Monterey, California from May 17, 2002 - May 24, 2002 (NODC Accession 0072306)	384
Oceanographic data collected during the Deep Water Corals of the Davidson Seamount 2006 expedition aboard the R/V WESTERN FLYER in the North Pacific from January 26, 2006 - February 4, 2006 (NODC Accession 0052881)	377
Gridded bathymetry of Kahoolawe Island, Hawaii, USA	366

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

Table 6 – Frequency of Metadata Usage

Month	Number of Metadata Accessed
Jan-13	411,413
Feb-13	324,160
Mar-13	365,033
Apr-13	362,256
May-13	382,601
Jun-13	355,299
Jul – 13	378,913
Aug – 13	484,237
Sept – 13	452,000
Oct – 13	423,081
Nov – 13	449,729
Dec – 13	441,312
Jan – 14	417,991
Feb – 14	372,411
Mar – 14	430,050

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

Table 7 – NOAA and CRCP Coral Publications Received

Source	Count
NESDIS - CoRIS	5
NMFS	2
NMFS - AFSC	1
NMFS - HCD	1
NMFS - OHC	1
NMFS -PIRO	14
NMFS - PIFSC	2
NOAA - NART	1
NOAA - CRCP	11
CRCP - GRANTS	10
NOS	20
NOS - NCCOS	7
NOS - NMSP	6
OAR - OE	1
Other	35
TOTAL	118

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	22
Book/Chapter	2
Website/Page/Blog	8
Technical Memoranda and Reports	69
Workshops	1
Poster	1
Media	11
Other	4
Total	118

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	19,212
A reef manager's guide to coral bleaching	18,341
The state of deep coral ecosystems of the United States: 2007	14,001
Coral reef habitat assessment for U.S. marine protected areas: Commonwealth of Puerto Rico	13,899
NOAA's Coral Reef Information System: Glossary of terminology	13,031
Coral reef habitat assessment for U.S. marine protected areas: State of Hawaii: NW and Main Hawaiian Islands	9,019
Coral reef habitat assessment for U.S. marine protected areas: U.S. Virgin Islands	8,757
Coral reef resilience to climate change in Saipan, CNMI; field-based assessments, and implications for vulnerability and future management	7,914
Status of Caribbean coral reefs after bleaching and hurricanes in 2005	7,903
Regulated and protected species in U.S. Caribbean waters: Invertebrates, fish, sea turtles, marine mammals	7,217

Table 9 identifies the top ten publications accessed in CoRIS from January to March 2014.

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

Office	Name
None	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	0	6,401
Acronyms/Abbreviations List	113	5,425

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.