



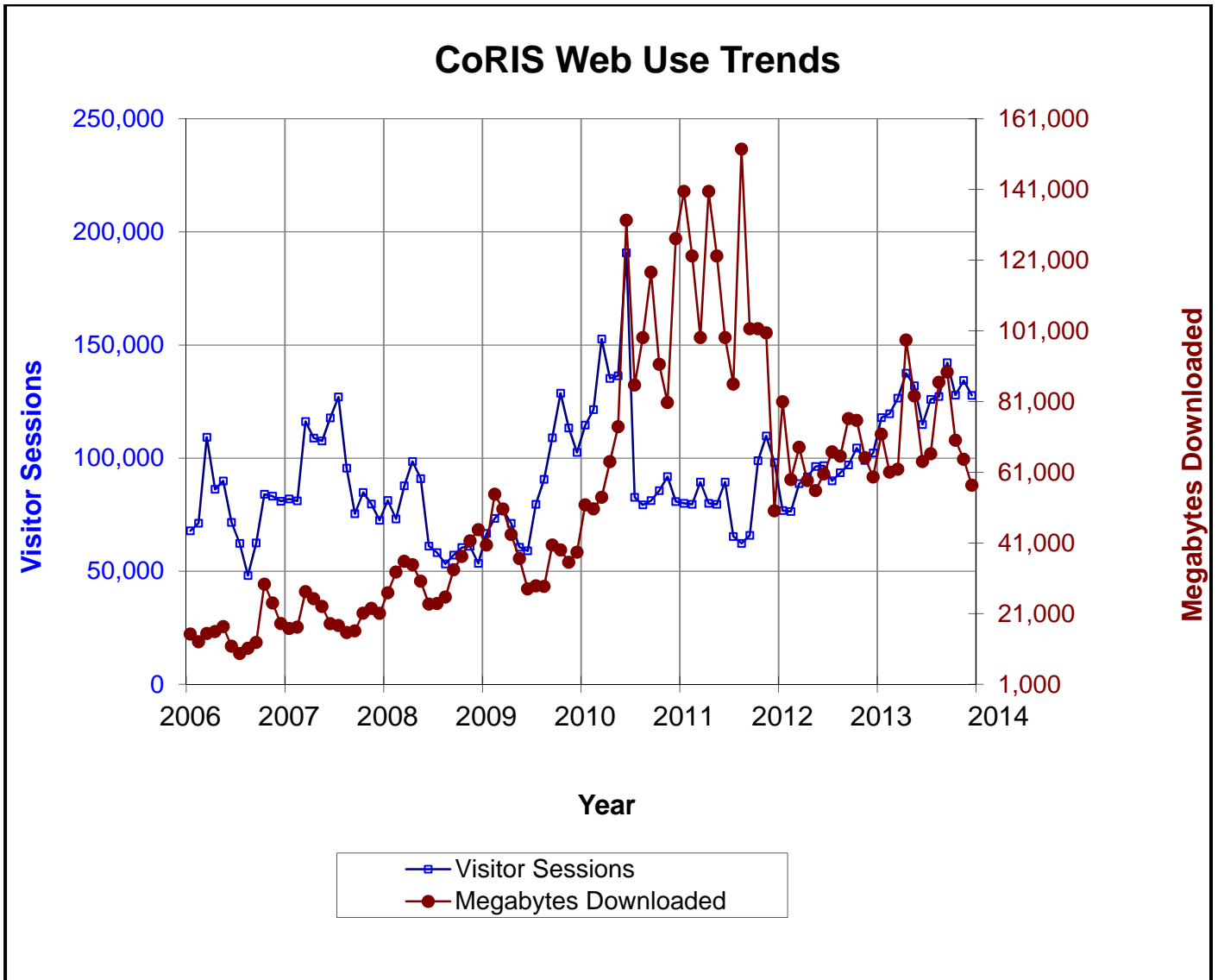
NOAA's Coral Reef Conservation Program (CRCP) Coral Reef Information System (CoRIS) Quarterly Report

**Q1 FY 2014
October – December 2013**

CoRIS Project Highlights

- Grants search:
CoRIS launched a new feature to facilitate access to documents produced through CRCP's domestic and international grants programs. A canned publication grant search for publications was added to the browse tree on the CoRIS Geoportal (<http://www.coris.noaa.gov/geoportal/catalog/search/browse/browse.page>). Users have the option to view all documents in the CRCP Grant Program subcollection or search for a specific document within the subcollection using the filter feature.
- The metadata publication process within CoRIS has been updated to support ISO 19115-2 metadata records. CoRIS staff also registered the CRCP within the NOAA Enterprise Metadata Management Architecture (EMMA) to fulfill a NOAA Environmental Data Management Committee requirement. EMMA provides diagnostic reports and visualization of the metadata metrics over time to explore aspects of metadata quality and completeness.
<http://www.ngdc.noaa.gov/docucomp/page?view=wafsInGroup&title=Metrics%20and%20Collections%20for%20Group%20NOAA/CORIS/&groupName=NOAA/CORIS/>
- Two new featured project pages were added to the CoRIS website:
 - Projections of Coral Bleaching and Ocean Acidification for Coral Reef Areas (based on ensembles of IPCC AR5 climate models)
http://www.coris.noaa.gov/activities/projects/oa_coral_bleaching/
 - American Samoa Coastal Uses Mapping
http://www.coris.noaa.gov/activities/projects/asamoa_coastal_map/
- The team welcomed Michelle Kadziel-Uber as the CoRIS Administrative Research Assistant. Michelle is handling publication cataloging, product tracking, and other responsibilities for the Coral Reef Conservation Program. The CoRIS team is excited to welcome her aboard.

Web Use Trends



In addition to the above statistics 118,422 publications were accessed by visitors to the website during the first quarter of FY 2014.

Table 1 – Regional Portal Usage Summary

Regional Portal	FY12 – Q1	FY12 – Q2	FY12 – Q3	FY12 – Q4	FY13 – Q1	FY13 – Q2	FY13 – Q3	FY13 – Q4	FY14 – Q1	Total
American Samoa	598	573	918	718	928	813	559	664	844	6,615
CNMI	719	820	1,037	964	1,288	1,170	1,042	1,187	1,317	9,544
Florida	1,640	1,843	2,779	2,436	2,695	2,615	3,161	3,806	3,173	24,148
Flower Garden Banks	719	682	2,201	3,364	977	800	652	679	773	10,847
Guam	1,081	1,174	1,531	1,100	1,290	1,018	797	794	897	9,682
Hawaii	1,199	1,017	1,206	1,325	1,693	1,111	896	990	1,396	10,833
Homepage	921	857	4,683	8,424	1,626	830	874	957	1,226	20,398
Marshall Islands	1,125	1,147	1,374	1,472	1,719	1,160	1,025	1,133	918	11,073
Micronesia	660	601	835	693	911	790	585	546	635	6,256
Navassa	555	576	883	709	918	786	538	517	652	6,134
NWHI	583	539	874	732	914	734	530	583	752	6,241
Palau	534	520	801	664	931	793	562	599	771	6,175
PRIs	609	608	907	769	955	879	636	692	842	6,897
Puerto Rico	1,217	1,193	1,435	1,697	1,525	1,261	1,185	1,652	1,377	12,542
Virgin Islands	687	724	960	809	998	866	615	695	756	7,110
Total	12,847	12,874	22,424	25,876	19,368	15,626	13,657	15,494	16,329	154,495

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

CoRIS Product Highlights

Metadata – The 5,075 metadata records in CoRIS provide managers, researchers, and the public access to 48,956 coral data products via the CoRIS Web site portal. As identified in Table 4, CoRIS continues to acquire metadata. Between September and December 2013, staff added 56 new metadata records and updated 79 records.

Publications – CoRIS received and cataloged 62 coral publications in the CoRIS virtual library or NOAA Library from October to December. 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 3,806 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
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
Dec – 13	5,075	48,956	9,082	3,806

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

Office/Group	FY13 Records	Total Records
NESDIS	32	350
NMFS	4	3,333
NOS	18	1,181
OAR	2	200
Miscellaneous	0	11
Total	56	5075

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

Table 4 – Recent CoRIS Metadata Additions

Source	Description	Metadata Records
AOML	Atlantic Ocean Acidification Test-Bed -- Net Ecosystem Calcification and Net Ecosystem Productivity, Cheeca Rocks, Florida Reef Tract FY2012	1
NODC	Marine species survey of Johnson Atoll, Central Pacific Ocean June 2000 (NODC Accession 0000697)	1
NODC	Oceanographic data collected during the Atlantic Deep-Water Canyons: Pathways to the Abyss 2011 on the NOAA Ship Nancy Foster in the North Atlantic Ocean from June 04, 2011 - June 17, 2011 (NODC Accession 0082240)	1
NODC	U.S. Virgin Islands National Park Coral Transplant Study, St. John, 1999-2009 (NODC Accession 0112724)	1
CRED	Gridded bathymetry of Kahoolawe Island, Hawaii, USA	1
CRED	Integrated hard and soft bottom seafloor substrate map derived from an unsupervised classification of gridded backscatter, World-View 2 imagery and bathymetry derivatives of Ni'ihau Island, Hawaii, USA.	1
NODC	Cephalopholis argus fish census and assemblage data from the West Hawaii Roi Removal Project 2010-2012 (NODC Accession 0099263)	1
NODC	Oceanographic station data from instruments in Mamala Bay, Oahu, Hawaii during 1997-1998 (NODC Accession 0000625 & NODC Accession 0000624)	2
NODC	Data collected for the Kahe (Hawaii) Generating Station of coral coverage for replicate quadrats at four stations, 1981 - 1997 (NODC Accession 9900009)	1
NODC	ALGAL SPECIES and Other Data from VARIOUS SMALL VESSELS from 19940825 to 19950522 (NODC Accession 9800169)	1
NODC	Algal species and other data collected using photographs in the southern coast of the island of Ofu from 08 September 1992 to 11 September 1992 (NODC Accession 9800197)	1
NODC	Oceanographic Data collected during the Islands in the Stream Expedition on the NOAA Ship Gordon Gunter in the North Atlantic Ocean and the Gulf of Mexico between May 10, 2001 - October 4, 2001 (NODC Accession 0104416)	1
NODC	Oceanographic and biological data collected during the Stepping Stones 2005 expedition aboard the R/V RONALD H. BROWN in Western North Atlantic from August 6, 2005 - September 3, 2005 (NODC Accession 0056843)	1
NODC	Deep profiles of temperature, salinity, oxygen saturation and fluorescence data from twelve select NOAA Ship OSCAR ELTON SETTE cruises in the Northwest Hawaiian Islands, 2003 - 2007 (NODC Accession 0036372)	1
NODC	Temperature data from thermistor casts in the Atlantic Ocean's coastal waters off Florida by from 01 January 2000 to 31 December 2003 (NODC Accession 0002518)	1
NCCOS	Fish Bay, Coral Bay, and STEER Mapping Project	17
NODC	Geographic Information System (GIS) characterizations of benthic community data near the Florida Panhandle, 1970-1985 (NODC Accession 0000603)	1
NODC	Geographic Information System (GIS) characterizations of benthic habitats near South Florida coast (NODC Accession 0000600)	1
NODC	Hawaii Coral Reef Assessment and Monitoring Program (CRAMP) from 07 June 1999 to 16 September 1999 (NODC Accession 0000513)	1

NODC	Comprehensive Dataset and Reports of the Mamala Bay Study during 1993-1995 on Oahu, Hawaii (NODC Accession 0000030)	1
NODC	Phaeopigments, chemical, and other data from salinometer, fluorometer, and other instruments in the Coastal Waters of Hawaii as part of the Mamala Bay Study project, 01 January 1989 - 31 December 1994 (NODC Accession 9800089)	1
NODC	Water physics and chemistry data from bottle casts from the GERDA as part of the Rosenstiel School of Marine and Atmospheric Science (RSMAS) project from 20 July 1955 to 29 May 1957 (NODC Accession 7000057)	1
NODC	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
NODC	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)	1
NODC	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)	1
NODC	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)	1
NODC	Oceanographic data collected during the Operation Deep Scope 2007 expedition aboard the R/V SEWARD JOHNSON in the Bahamas from 20070817 to 20070828 (NODC Accession 0051895)	1
NODC	Oceanographic data collected during the Northwestern Hawaiian Islands 2003 expedition in the North Pacific Ocean using the R/V Ka'imikai-o-Kanaloa, and Pisces IV and Pisces V submersibles from September 3, 2003 - November 5, 2003 (NODC Accession 0001693)	1
NODC	Hawaii Coral Reef Assessment and Monitoring Program (CRAMP): benthic data from digital still images made in 2008-2010 on Kauai, Oahu, Molokai, Maui, and Hawaii (NODC Accession 0104255)	1
NODC	Moored ADCP Current Measurements from Mamala Bay, Oahu, Hawaii during 1997-1998 (NODC Accession 0000624)	1
NODC	A Survey of Selected Coral and Fish Assemblages Near the Waianae Ocean Outfall, Oahu, Hawaii, 1990-1999 (NODC Accession 0000794)	1
NODC	Hawaii Coral Reef Assessment and Monitoring Program (CRAMP): Fish Data from 2000 (NODC Accession 0000757)	1
NODC	CoastWatch Regions in HDF Format	1
NODC	Sea Surface Temperature (14 KM North America)	1
PIRO	Coastal activities in American Samoa in 2012 for use in coastal management	1
NODC	AVHRR Pathfinder Version 5.2 Level 3 Collated (L3C) Global 4km Sea Surface Temperature for 1981-2012	1
NMFS	Downscaled Climate Model for the North Central Atlantic Ocean 2000-2100	1
NODC	Coral Reef monitoring at the Hawaiian Electric Company Inc. Generating Station at Kahe Point, Oahu, Hawaii from 01 January 1981 to 31 December 1999 (NODC Accession 0000345)	1
NCCOS	National Status and Trends: Bioeffects Program - St. Thomas East End Reserves (STEER) Database	1
	Total Additions	56
	Total Metadata Record Updates and Enhancements	79

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
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)	584
1995 Quantitative Survey of the Corals of American Samoa (NODC Accession 0001972)	581
National Status and Trends, Benthic Surveillance Project DNA-Xenobiotic Adducts Data, 1991, National Centers for Coastal Ocean Science	569
Florida Reef Fish Visual Census 1985 Species Site Matrix (NODC Accession 0001394)	475
Coral-based Proxy Records of Ocean Acidification: A Pilot Study at the Puerto Rico Test-bed Site	438
High Resolution Aerial Photography of Puerto Rico and the U.S. Virgin Islands, 1965-1999	415
Anthropogenic and Natural Stresses on Coral Reefs in Hawaii: A Multi-Decade Synthesis of Impact and Recovery (NODC Accession 0001063)	391
2004 USACE Puerto Rico Lidar	383
Benthic Habitats of Puerto Rico; Photomosaic of Guayanil	383
Long-Term Monitoring at the East and West Flower Garden Banks National Marine Sanctuary 2002-2006, (NODC Accession 0012632)	379

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

Table 6 – Frequency of Metadata Usage

Month	Number of Metadata Accessed
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
Jul – 13	378,913
Aug – 13	484,237
Sept – 13	452,000
Oct – 13	423,081
Nov – 13	449,729
Dec – 13	441,312

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
NMFS	1
NMFS - AFSC	1
NMFS - HC	1
NMFS - SEFSC	4
NMFS - SWFSC	2
NMFS - PIFSC	16
NMFS - PIRO	1
NOAA	1
NOAA - CRCP	2
NOS	1
NOS - NCCOS	2
NOS - NMSP	1
NOS - ORR	1
OAR	1
OAR - OE	1
GRANTS	1
TOTAL	38

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	25
Book/Chapter	2
NOAA Web Sites	1
Technical Memoranda and Reports	22
NOAA Workshops	7
Poster	1
Miscellaneous	4
Total	62

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
The state of deep coral ecosystems of the United States: 2007	17,753
A reef manager's guide to coral bleaching	16,312
Regulated and protected species in U.S. Caribbean waters: Invertebrates, fish, sea turtles, and marine mammals	13,289
Coral reef habitat assessment for U.S. marine protected areas: State of Hawaii: NW and Main Hawaiian Islands	11,364
Demographic Baseline Report of U.S. Territories and Counties Adjacent to Coral Reef Habitats: U.S. Virgin Islands	10,968
Coral reef habitat assessment for U.S. marine protected areas: Commonwealth of Puerto Rico	9,889
NOAA's Coral Reef Information System: Glossary of Terminology	9,460
Status of Caribbean coral reefs after bleaching and hurricanes in 2005	8,278
Small scale experimental systems for coral research: Considerations, planning, and recommendations	5,085
State of deep coral ecosystems in the Alaska region: Gulf of Alaska, Bering Sea and the Aleutian Islands	4,706

Table 9 identifies the top ten publications accessed in CoRIS from September to December 2013.

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	11	5,307

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.