



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

Q1 FY 2015
October – December 2014

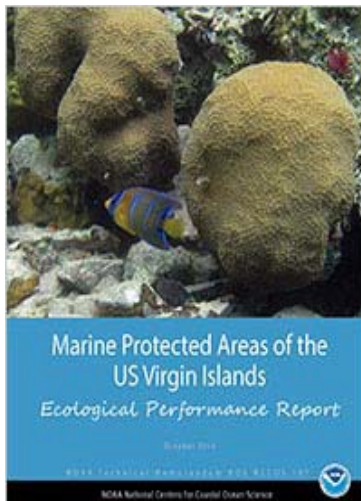
CoRIS Project Highlights

Four publications and projects were highlighted during the first quarter of 2015



[Marine Outreach and Education US Virgin Islands Style \(MOES-VI\): Strategizing for Improved Outreach, Education and Communication Pertaining to USVI Marine and Fisheries Management and Conservation](#)

This report provides a description of existing marine outreach and education programs and implementation gaps in the US Virgin Islands (USVI) as well as a series of action recommendations to improve communication efforts, summarizing the information collected for the Strategizing for Improved Outreach, Education and Communication Pertaining to USVI Marine and Fisheries Management and Conservation Project, which is part of the larger Marine Outreach and Education USVI Style (MOES-VI) effort.



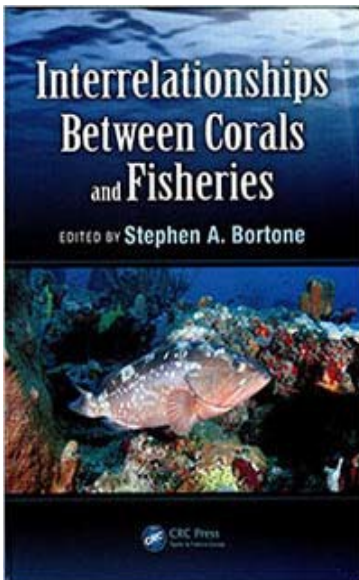
[Marine Protected Areas of the US Virgin Islands: Ecological Performance Report](#)

This document presents a comprehensive overview of results from more than a decade of work by the NOAA National Centers for Coastal Ocean Science (NCCOS) Biogeography Branch and the Department of the Interior National Park Service (NPS) to assess status and trends within and around federally managed marine protected areas (MPAs) of the U.S. Virgin Islands (USVI).



[American Samoa Watershed and Coastal Uses Mapping Project: Utulei - Faga'alu - Fatumafuti](#)

The American Samoa Watershed and Coastal Uses Mapping project developed cartographic products derived from participatory mapping conducted in Utulei - Faga'alu, and Fatumafuti, American Samoa in January 2014. These are based on information gathered through participatory mapping workshops held in each village, where participatory GIS methods were used to generate spatial data on coastal and watershed uses and characteristics.



[Interrelationships between corals and fisheries](#)

This book is the result of NOAA CRCP's sponsored workshop held by the Gulf of Mexico Fishery Management Council in Tampa, Florida, 20-22 May 2013, where world authorities came together to discuss the current and emerging threats as well as challenges and opportunities for managing corals and associated fisheries.

Web Use Trends

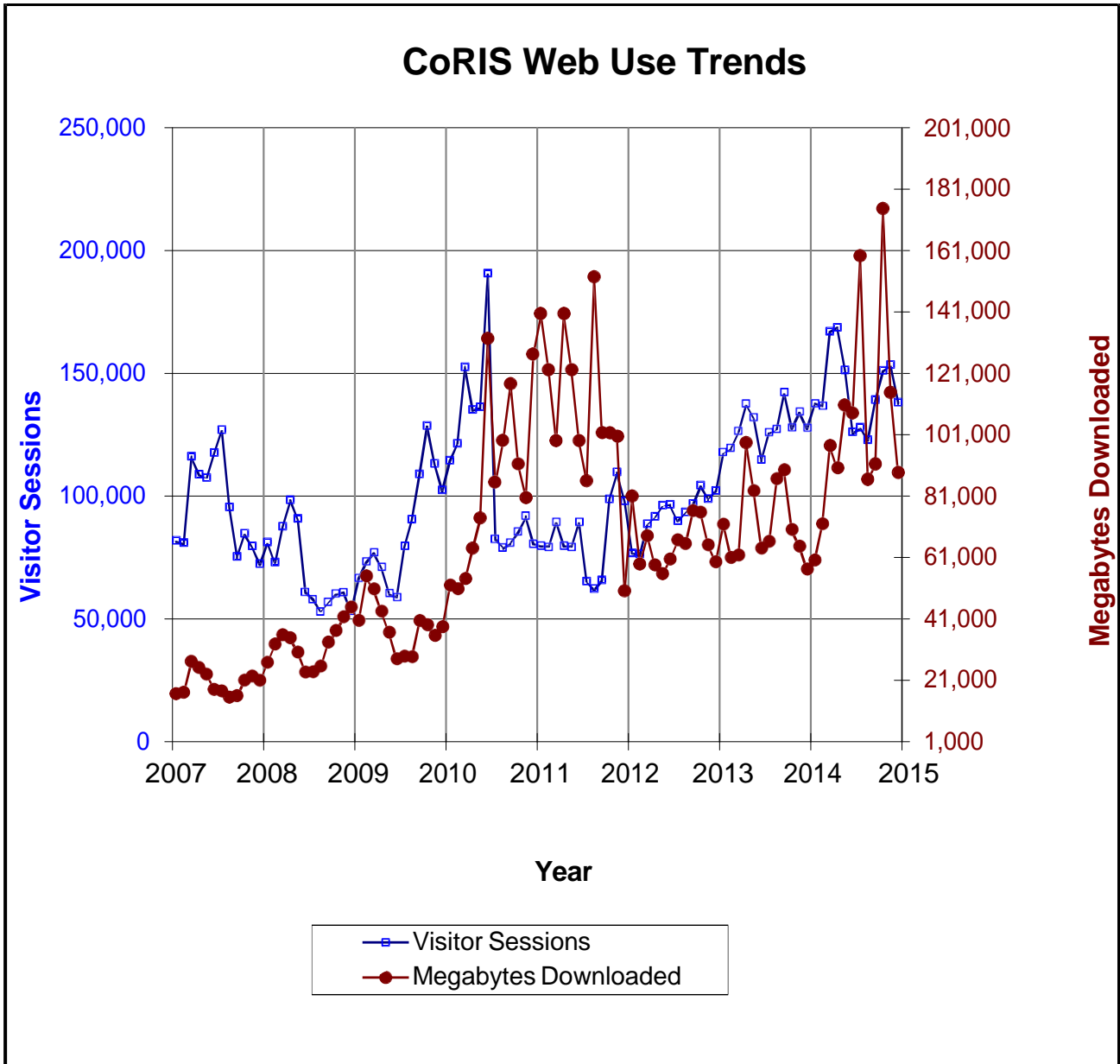


Table 1 – Regional Portal Usage Summary

Regional Portal	FY13 – Q1	FY13 – Q2	FY13 – Q3	FY13 – Q4	FY14 – Q1	FY14 – Q2	FY14 – Q3	FY14 – Q4	FY15 – Q1	Total
American Samoa	928	813	559	664	844	871	890	804	964	7,337
CNMI	1,288	1,170	1,042	1,187	1,317	1,227	1,302	1,335	1,304	11,172
Florida	2,695	2,615	3,161	3,806	3,173	3,091	3,636	2,748	3,288	28,213
Flower Garden Banks	977	800	652	679	773	728	815	836	902	7,162
Guam	1,290	1,018	797	794	897	891	855	895	973	8,410
Hawaii	1,693	1,111	896	990	1,396	904	1,041	1,066	1,341	10,438
Homepage	1,626	830	874	957	1,226	1,143	1,162	829	1,287	9,934
Marshall Islands	1,719	1,160	1,025	1,133	918	900	961	1,007	1,225	10,048
Micronesia	911	790	585	546	635	600	741	711	856	6,375
Navassa	918	786	538	517	652	502	697	747	879	6,236
NWHI	914	734	530	583	752	624	667	723	829	6,356
Palau	931	793	562	599	771	649	704	697	873	6,579
PRiAs	955	879	636	692	842	761	1,061	1,140	1,141	8,107
Puerto Rico	1,525	1,261	1,185	1,652	1,377	1,454	1,519	1,545	1,999	13,517
Virgin Islands	998	866	615	695	756	767	881	949	1,086	7,613
Total	19,368	15,626	13,657	15,494	16,329	15,112	16,932	16,032	18,947	147,497

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 2013.

CoRIS Product Highlights

Metadata – The 5,363 metadata records in CoRIS provide managers, researchers, and the public access to various coral data products via the CoRIS Web site portal. As identified in Table 4, CoRIS continues to acquire metadata. Between October and December 2014, staff added 117 new metadata records and updated 84 records.

Publications – CoRIS received and cataloged 187 coral publications in the CoRIS virtual library or NOAA Library from October to December 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 4,653 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 Files Served by CoRIS	CoRIS Virtual Library Entries
Dec-10	4,465	8,561	2,870
Mar-11	4,396	8,611	2,994
Jun - 11	4,470	8,666	3,074
Dec -11	4,616	8,748	3,192
Mar - 12	4,647	8,793	3,264
Jun - 12	4,665	8,833	3,346
Sep - 12	4,732	8,898	3,381
Dec - 12	4,766	8,936	3,519
Mar - 13	4,902	8,978	3,576
Jun - 13	4,966	9,028	3,669
Dec – 13	5,075	9,082	3,806
Mar -14	5,105	9,109	3,920
Jun - 14	5,121	9,139	4,141
Sep - 14	5,319	9,171	4,494
Dec - 14	5,363	9,246	4,653

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 2011.

Table 3 – Summary of CoRIS Metadata Records by Line Office

Office/Group	FY15 Records	Total Records
NESDIS	8	369
NMFS	44	3,402
NOS	57	1,375
OAR	8	206
Miscellaneous	0	11
Total	117	5,363

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

Table 4 – Recent CoRIS Metadata Additions

Source	Description	Metadata Records
AOML	ICON - Meteorological and Oceanographic Observations for selected locations in the Caribbean Sea and Pacific Ocean	7
CRED	CRED Rapid Ecological Assessment Reef Fish Survey data from the 2014 MARAMP cruise.	13
CRED	Benthic percent cover derived from image analysis for selected locations in the Pacific Ocean	1
CRED	Mosaic of bathymetry derived from multispectral WV-2 satellite imagery of Agrihan Island, Territory of Mariana, USA	1
NCCOS	Geodatabase of benthic organisms for the Florida Coral Reef Tract from 1996-01-01 to 2012-01-01 (NODC Accession 0123059)	9
CRED	CRED Towed-Diver Fish Biomass Survey data from the 2014 MARAMP cruise	13
CRED	CRED Towed-Diver Benthic Characterization Survey data from the 2014 MARAMP cruise	13
NODC	Moored ADCP current data from deployment 2 of the Multi-disciplinary Ocean Sensors for Environmental Analyses and Networks (MOSEAN) project north of Hawaii 2004-2005 (NODC Accession 0116094)	1
CRED	Guam Long-term Coral Reef Monitoring Program – Marcoinvertebrate, Fish, and Coral Survey Data	3
CRCP	Maximum currents and Time-averaged currents in the Northeast Corridor Reserve during November 2013.	2
NODC	Temperature and Salinity Data from moored seacat sensors of the Multi-disciplinary Ocean Sensors for Environmental Analyses and Networks (MOSEAN) project 2004-2007 (NODC Accession 0115703)	1
NODC	SEACAT CTD data of the Hawaii Undersea Research Program from 593 dives of the remotely operated vehicle and the submersibles Pisces IV and V during 1995-2012 in the north and south Pacific (NODC Accession 0116373)	1
NODC	Niskin bottle data of the Hawaii Ocean Time-series (HOT) program in the North Pacific 100 miles north of Oahu, Hawaii for cruises HOT239-248 during 2012 (NODC Accession 0119430)	1
NODC	CTD data of the Hawaii Ocean Time-series (HOT) program in the North Pacific 100 miles north of Oahu, Hawaii for cruises HOT239-248 during 2012 (NODC Accession 0119895)	1
NODC	Thermosalinograph data of the Hawaii Ocean Time-series (HOT) program in the North Pacific 100 miles north of Oahu, Hawaii for cruises HOT239-248 during 2012 (NODC Accession 0120323)	1
NODC	Hawaii Coral Reef Assessment and Monitoring Program (CRAMP): digital still images from transects on Kauai, Oahu, Molokai, Maui, and Hawaii 2011-2012 (NODC Accession 0119360)	1
NODC	Hawaii Coral Reef Assessment and Monitoring Program (CRAMP): benthic data from digital still images made in 2011-2012 on Kauai, Oahu, Molokai, Maui, and Hawaii (NODC Accession 0117490)	1
OCM	Historical Scanned Imagery for the Pacific Islands	11
CRCP	American Samoa Watershed and Coastal Community Data Layers, Utulei, Fagaalu, Fatumafuti 2014	1

OCM	C-CAP Land Cover Data for Selected Locations	11
NCCOS	Baseline characterization of benthic and coral communities of the Flower Garden Banks (2010 - 2012) (NODC Accession 0124257)	1
CRED	Benthic percent cover derived from image analysis for selected locations in the Pacific Ocean	1
CRED	Mosaic of bathymetry derived from multispectral WV-2 satellite imagery of Agrihan Island, Territory of Mariana, USA	1
OCM	LiDAR Elevation Data for Selected Locations	21
	Total Additions	117
	Total Metadata Record Updates and Enhancements	84

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	644
1995 Quantitative Survey of the Corals of American Samoa (NODC Accession 0001972)	627
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)	585
Endangered Species and Wildlife Resources Inventory Kwajalein Atoll, U.S. Army , Republic of the Marshall Islands 1996 (NODC Accession 0000251)	504
4 km NODC/RSMAS AVHRR Pathfinder Version 5 Seasonal and Annual Day-Night Sea Surface Temperature Climatologies for 1982-2009 for the Gulf of Mexico (NODC Accession 0072888)	438
Long-Term Monitoring at the East and West Flower Garden Banks National Marine Sanctuary 2002-2006, (NODC Accession 0012632)	434
High Resolution Aerial Photography of Puerto Rico and the U.S. Virgin Islands, 1965-1999	430
Bahia Las Minas, Panama Oil Spill Assessment 1986-1991, (NODC Accession 9400033)	430
Gridded bathymetry of Kaneohe Bay, Windward Side Oahu, Main Hawaiian Islands, USA.	428
Coral and artificial reef shape files, Broward County, Florida, (NODC Accession 0000244)	413

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

Table 6 – Frequency of Metadata Usage

Month	Number of Metadata Accessed
Oct – 13	423,081
Nov – 13	449,729
Dec – 13	441,312
Jan – 14	417,991
Feb – 14	372,411
Mar – 14	430,050
Apr – 14	298,450
May – 14	419,123
Jun – 14	418,949
Jul - 14	457,494
Aug – 14	420,928
Sep – 14	444,014
Oct – 14	520,574
Nov – 14	474,727
Dec – 14	481,603

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
USCRTF	1
NESDIS - STAR	8
NESDIS - NODC	5
NMFS	1
NMFS - AFSC	1
NMFS - Grant	1
NMFS - OHC	2
NMFS - SEFSC	12
NMFS - SERO	5
NMFS - PIFSC	7
NMFS - PIRO	14
NOAA - NART	1
NOAA - FOC	1
NOAA - CRCP	3
NOS - OCM	86
NOS - NCCOS	7
NOS - ONMS	9
NOS - Grants	4
OAR - OSG	1
Other	18
TOTAL	187

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 publications)

Type of Publication	Count
Journal Article Citations	29
Book/Chapter	2
Manuals	1
Media	37
WebSites/Pages/Blogs	3
Technical Memoranda and Reports	100
Theses	1
Proceedings/Workshops	3
Poster	3
Miscellaneous	8
Total	187

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
NOAA's Coral Reef Information System: Glossary of Terminology	17,656
Coral Reef Ecosystem Monitoring Report of the Mariana Archipelago: 2003-2007	15,287
St. Thomas East End Reserves Watershed Management Plan	14,743
Coral Reef Habitat Assessment for U.S. Marine Protected Areas: State of Florida: Dry Tortugas to Biscayne Bay	11,363
St. Croix East End Watersheds Management Plan: U.S. Virgin Islands	11,196
Coral Reef Habitat Assessment for U.S. Marine Protected Areas: Commonwealth of Puerto Rico	10,001
Demographic Baseline Report of U.S. Territories and Counties Adjacent to Coral Reef Habitats: U.S. Virgin Islands	8,776
Coral Reef Habitat Assessment for U.S. Marine Protected Areas: State of Hawaii: NW and Main Hawaiian Islands	8,396
Status of Caribbean Coral Reefs after Bleaching and Hurricanes in 2005	6,480
The State of Deep Coral Ecosystems of the United States (2007) - U.S. Pacific Coast: California to Washington (Chapter 3)	6,144

Table 9 identifies the top ten publications accessed in CoRIS from October to December 2014.

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

Office	Name
NOS	Geodatabase of benthic organisms for the Florida Coral Reef Tract from 1996-01-01 to 2012-01-01 (NODC Accession 0123059)
NOS	Biogeographic characterization of fish and benthic communities, Flower Garden Banks, Texas 2006-09-13 to 2012-10-02 (NODC Accession 0118358)
OAR	Integrated Coral Observing Network (ICON) - Little Cayman (Cayman Islands) 2013 Meteorological and Oceanographic Observations from 2013-10-23 to 2013-12-31 (NODC Accession 0123997)
OAR	Integrated Coral Observing Network (ICON) - Media Luna Reef (LPPR1 - La Parquera Natural Reserve, Puerto Rico) Meteorological and Oceanographic Observations from 2013-01-01 to 2013-03-20 (NODC Accession 0124000)
OAR	Integrated Coral Observing Network (ICON) - Molasses Reef (MLRF2 - Florida Keys National Marine Sanctuary, Florida) Meteorological and Oceanographic Observations from 2013-01-01 to 2013-06-23 (NODC Accession 0123999)
OAR	Integrated Coral Observing Network (ICON) - Port Everglades (PVG1 - Port Everglades, Florida) Meteorological and Oceanographic Observations from 2013-01-01 to 2013-12-31 (NODC Accession 0124002)
OAR	Integrated Coral Observing Network (ICON) - Salt River Bay (SRV12 - St. Croix, USVI) 2013 Meteorological and Oceanographic Observations from 2013-01-01 to 2013-12-31 (NODC Accession 0124001)
OAR	Integrated Coral Observing Network (ICON) - Lao Lao Bay from 2013-04-30 to 2013-12-31 (LLBP7 - Saipan, Northern Mariana Islands) 2013 Meteorological and Oceanographic Observations from 2013-04-30 to 2013-12-31 (NODC Accession 0123998)
OAR	Integrated Coral Observing Network (ICON) - Angel's Reef (Trinidad and Tobago) 2013 Meteorological and Oceanographic Observations from 2013-11-28 to 2013-12-31 (NODC Accession 0123995)
OAR	Integrated Coral Observing Network (ICON) - Buccoo Reef (Trinidad and Tobago) 2013 Meteorological and Oceanographic Observations from 2013-11-27 to 2013-12-31 (NODC Accession 0123996)

Table 10 identifies those data products that CRCP submitted to the National Oceanographic Data Center for archiving during the past quarter.

Table 11 – CoRIS Glossary and Acronyms/Abbreviations List

Resource	Additions	Total
Glossary	0	6,407
Acronyms/Abbreviations List	190	5,828

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.