



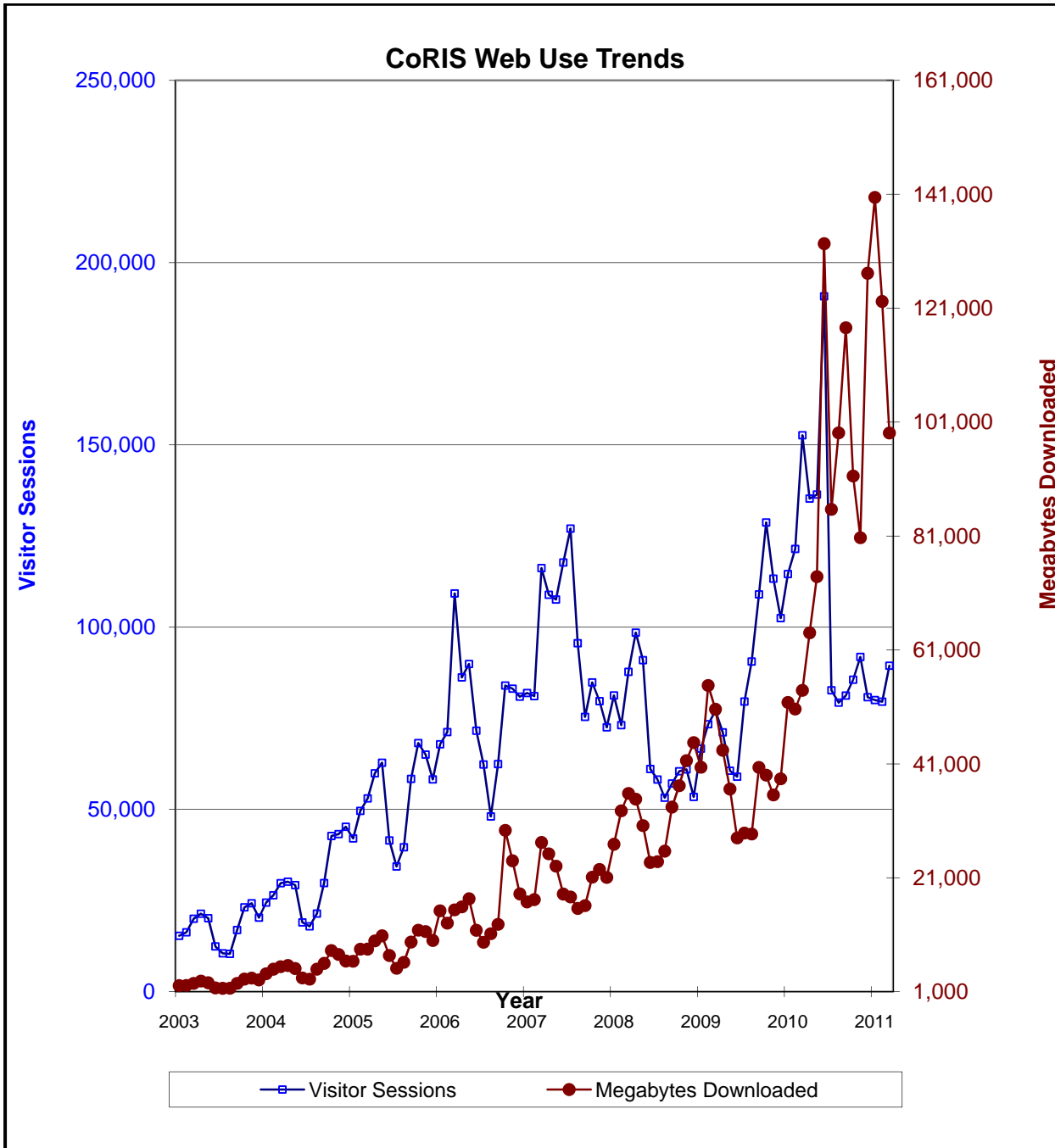
NOAA's Coral Reef Conservation Program (CRCP) Coral Reef Information System (CoRIS) Quarterly Report

**Q2 FY 2011
January – March 2011**

CoRIS Project Highlights

- Web page added for recent CRCP publication: *Saline-Saturated DMSO-EDTA as a Storage Medium for Microbial DNA Analysis from Coral Mucus Swab Samples* (http://coris.noaa.gov/activities/dmsu_edta_microbial_dna/)
- To improve the functionality of the CoRIS website, staff restructured the Featured Publications section of the website to better accentuate key documents produced by CRCP partners. A Featured Archive was added to host key documents that were featured in past years.
- CoRIS staff participated in a workshop to develop training materials for the suite of ISO metadata standards. Within NOAA it is expected that the ISO standards will replace FGDC CSDGM as the metadata standard for documenting data in the future.
- CoRIS has received permission from the NOAA Library to include the full abstract for all entries within the CoRIS virtual library including journal articles. All new entries added over the past four months include the full abstract where available. We hope this change makes the CoRIS library a more useful tool for our user community

Web Use Trends



In addition to the above statistics 38,127 publications were accessed by visitors to the website during the second quarter of FY 2011.

Table 1 – Regional Portal Usage Summary

| Regional Portal | FY09 - Q3 | FY09 - Q4 | FY10 - Q1 | FY 10 – Q2 | FY 10 – Q3 | FY 10 – Q4 | FY11 – Q1 | FY11 – Q2 | Total |
|---------------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| American Samoa | 282 | 243 | 805 | 721 | 928 | 606 | 583 | 751 | 4,919 |
| CNMI | 361 | 355 | 827 | 1,151 | 1,854 | 1,263 | 1138 | 823 | 7,772 |
| Florida | 547 | 451 | 1,035 | 1,163 | 1,646 | 1,100 | 1,174 | 1,229 | 8,345 |
| Flower Garden Banks | 406 | 305 | 711 | 742 | 1,214 | 775 | 718 | 843 | 5,714 |
| Guam | 422 | 371 | 976 | 948 | 1,175 | 714 | 670 | 935 | 6,211 |
| Hawaii | 533 | 441 | 1,024 | 1,078 | 1,150 | 805 | 741 | 875 | 6,647 |
| Homepage | 1,213 | 1,095 | 1,566 | 1,652 | 1,921 | 1,284 | 1,124 | 1,053 | 10,908 |
| Marshall Islands | 422 | 336 | 827 | 867 | 1,199 | 869 | 1,091 | 984 | 6,595 |
| Micronesia | 380 | 323 | 694 | 713 | 908 | 547 | 476 | 669 | 4,710 |
| Navassa | 270 | 231 | 657 | 826 | 897 | 570 | 606 | 652 | 4,709 |
| NWHI | 227 | 170 | 526 | 553 | 647 | 461 | 418 | 569 | 3,571 |
| Palau | 359 | 312 | 726 | 676 | 846 | 567 | 503 | 568 | 4,557 |
| PRIAs | 319 | 236 | 675 | 905 | 539 | 624 | 647 | 691 | 4,636 |
| Puerto Rico | 433 | 342 | 993 | 1,007 | 1,475 | 1,695 | 1,251 | 1,255 | 8,451 |
| Virgin Islands | 482 | 226 | 671 | 830 | 881 | 620 | 574 | 617 | 4,901 |
| Total | 6,656 | 5,437 | 12,713 | 13,832 | 17,280 | 12,500 | 11,714 | 12,514 | 92,646 |

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 2009.

CoRIS Product Highlights

Metadata – The 4,396 metadata records in CoRIS provide managers, researchers, and the public access to 30,737 coral data products via the CoRIS Web site portal. As identified in Table 4, CoRIS continues to acquire metadata. Between January and March 2011, staff added 181 new metadata records and updated 680 records.

Publications – CoRIS received and cataloged 69 coral publications in the CoRIS virtual library or NOAA Library from January to 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 2,994 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 |

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 | FY10 Records | Total Records |
|---------------------|---------------------|----------------------|
| NESDIS | 15 | 230 |
| NMFS | 297 | 2,956 |
| NOS | 55 | 1,021 |
| OAR | 14 | 178 |
| Miscellaneous | 0 | 11 |
| Total | 381 | 4,396 |

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

Table 4 – Recent CoRIS Metadata Additions

| Source | Description | Metadata Records |
|---------------|--|-------------------------|
| NMFS | 2010 Rapid Ecological Assessment Belt Surveys of Coral Population and Disease Assessment from the Northwestern Hawaiian Islands and Main Hawaiian Islands | 11 |
| NMFS | 2010 Rapid Ecological Assessment Line Point Intercept Surveys of Benthic Parameter Assessments from the Northwestern Hawaiian Islands and Main Hawaiian Islands | 11 |
| NMFS | Reson 8101ER Multibeam Sonar Data from Cruise AHI1009 - Main Hawaiian Islands, Kaneohe Bay, Windward Side Oahu | 1 |
| NMFS | 2010 CRED and partners: Environmental Monitoring of Coral Bleaching and Disease in the Hawaiian Islands; Belt Surveys of Coral Population and Disease Assessments at Oahu, Hawaii and Maui | 3 |
| NESDIS | Long-Term Monitoring at the East and West Flower Garden Banks National Marine Sanctuary in the Gulf of Mexico, 2007-2008 (NODC Accession 0070125) | 1 |
| NESDIS | Hanalei Bay, Kauai tide, and directional current and wave data, June-September 2006 (NODC Accession 0067695) | 1 |

| | | |
|--------|---|-----|
| NESDIS | Benthic habitat data of Wawaloi and Keei, Kona Coast, Island of Hawaii, August 2004 (NODC Accession 0070530) | 1 |
| NOS | South Atlantic Deep Coral Cruise Data – Multibeam bathymetry, backscatter and seafloor derivatives | 8 |
| NESDIS | NOAA Coral Reef Watch Near-Real-Time 50-km Regional Satellite Coral Disease Outbreak Risk Monitoring Product - Hawaiian Archipelago and the Great Barrier Reef, Australia | 2 |
| NESDIS | NOAA Coral Reef Watch Operational Satellite Coral Bleaching Virtual Stations and Automated Satellite Bleaching Alerts | 1 |
| NESDIS | NOAA Coral Reef Watch Operational Twice-Weekly Near-Real-Time Global 50-km Satellite Nighttime Sea Surface Temperature Product | 1 |
| NESDIS | NOAA Coral Reef Watch Operational Twice-Weekly Near-Real-Time Global 50-km Satellite Nighttime Sea Surface Temperature Anomaly Product | 1 |
| NESDIS | NOAA Coral Reef Watch Operational Twice-Weekly Near-Real-Time Global 50-km Satellite Coral Bleaching HotSpots Product | 1 |
| NESDIS | NOAA Coral Reef Watch Operational Twice-Weekly Near-Real-Time Global 50-km Satellite Coral Bleaching Degree Heating Weeks Product | 1 |
| NESDIS | NOAA Coral Reef Watch Twice-Weekly Near-Real-Time Global 50-km Satellite Coral Bleaching Alert Area Product | 1 |
| NMFS | CRED Shallow CTD Profiles | 64 |
| NOS | NOAA TIFF Image - 1m Bathymetric Rugosity, US Virgin Islands - Virgin Passage - Project NF-10-03 - (2010), UTM 20N NAD83 | 1 |
| NMFS | 2010 Towed-Diver Fish Biomass Surveys at American Samoa, Northwestern Hawaiian Islands and Main Hawaiian Islands | 13 |
| NMFS | 2010 Towed-Diver Benthic Characterization Survey at American Samoa, Pacific Remote Island Areas, Northwestern Hawaiian Islands and Main Hawaiian Islands | 24 |
| NMFS | 2010 CRED Rapid Ecological Assessment Reef Fish Surveys at the Northwestern Hawaiian Islands and Main Hawaiian Islands | 12 |
| OAR | Conductivity, Temperature, Depth (CTD) collected aboard the R/V GARUPPA from August 02, 2010 through August 03, 2010. Data include vertical profiles of temperature, salinity, and dissolved oxygen | 1 |
| OAR | Velocity Data collected from moored Hull-Mounted Acoustic Doppler Current Profilers positioned in Vieques Sound and Virgin Passage in the US Caribbean | 1 |
| OAR | Section Transport Data calculated from Hull-Mounted Acoustic Doppler Current Profiler Velocities collected aboard the R/V GARUPPA during SUMMER 2010 SADCP Survey | 1 |
| NMFS | 5m and 20m Gridded Geomorphology data files for Brooks Bank, NWHI | 8 |
| NMFS | Ichthyoplankton (biological) data collected aboard the NOAA ship Nancy Foster during cruise 0903 | 1 |
| NOS | 2010 Update Caribbean Coral Reef Ecosystem Monitoring Project | 9 |
| | Total Additions | 180 |
| | Total Metadata Record Updates and Enhancements | 680 |

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 |
|--|----------------------------|
| GIS Map of Mosaiced LandSat 7 ETM+ Satellite Imagery of the Marshall Islands | 318 |
| 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) | 303 |
| High Resolution Aerial Photography of the Main Eight Hawaiian Islands, 2000 | 294 |
| Caribbean Coral Reef, Seagrass and Mangrove Sites (CARICOMP), (NODC Accession 0000501) | 288 |
| National Status and Trends: Bioeffects Program - Biscayne Bay, Florida (1995-1996) Database | 277 |
| Benthic Habitats of the Florida Keys | 270 |
| Assessment of Nonindigenous Species on Coral Reefs in the Hawaiian Islands, with Emphasis on Introduced Invertebrates (NODC Accession 0001419) | 266 |
| High Resolution Aerial Photography of Puerto Rico and the U.S. Virgin Islands, 1965-1999 | 265 |
| ESI-VI12 Beef Island, U.K. Virgin Islands 2000 (Environmental Sensitivity Index Map) | 259 |
| National Status and Trends, Benthic Surveillance Project Chemistry Data, 1984-1992, National Centers for Coastal Ocean Science | 250 |

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

Table 6 – Frequency of Metadata Usage

| Month | Number of Metadata Accessed |
|--------------|------------------------------------|
| Jan-10 | 187,015 |
| Feb-10 | 129,503 |
| Mar-10 | 222,840 |
| Apr-10 | 188,749 |
| May-10 | 206,281 |
| Jun-10 | 146,966 |
| Jul-10 | 122,998 |
| Aug-10 | 147,349 |
| Sep-10 | 156,110 |
| Oct-10 | 194,968 |
| Nov-10 | 141,102 |
| Dec-10 | 180,543 |
| Jan-11 | 170,709 |
| Feb-11 | 240,394 |
| Mar-11 | 167,953 |
| | |

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

Table 7 – CRCP and NOAA Coral Publications Received

| Source | Count |
|---------------|--------------|
| NESDIS-NODC | 0 |
| NESDIS-STAR | 0 |
| NMFS/HC | 1 |
| NMFS-SEFSC | 12 |
| NMFS-PIFSC | 18 |
| NMFS-SERO | 1 |
| NOS – IPO | 1 |
| NOS-NCCOS | 4 |
| NOS-OCRM | 1 |
| NOS-OMNS | 1 |
| OAR-AOML | 2 |
| NOAA | 1 |
| Total | 42 |
| | |

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

| Type of Publication | Count |
|---------------------------------|--------------|
| Book | 1 |
| Journal Article Citations | 50 |
| Other Websites | 3 |
| Technical Memoranda and Reports | 10 |
| Workshop Proceedings | 0 |
| Miscellaneous/Other | 5 |
| Total | 69 |

Table 8 documents the different types of coral publications added to the CoRIS virtual library and NOAA Library catalogs this quarter.

Table 9 – Top Ten Downloaded Publications

| File Name | Number of Downloads |
|---|----------------------------|
| A Reef Manager's Guide to Coral Bleaching | 11,111 |
| The State of Deep Coral Ecosystems of the United States: 2007 | 7,618 |
| CoRIS Glossary of Terminology | 6,354 |
| Proceedings of the International Workshop on Red Coral Science, Management, and Trade: Lessons from the Mediterranean | 5,644 |
| Demographic Baseline Report of U.S. Territories and Counties Adjacent to Coral Reef Habitats: U.S. Virgin Islands | 4,798 |
| Demographic Baseline Report of U.S. Territories and Counties Adjacent to Coral Reef Habitats: Guam | 3,158 |
| NOAA's Coral Reef Ecosystem Research Plan for Fiscal Years 2007 to 2011 | 2,804 |
| State of Deep Coral Ecosystems in the U.S. Southeast Region: Cape Hatteras to Southeastern Florida | 2,773 |
| State of Deep Coral Ecosystems of the United States: Introduction and National Overview | 2,656 |
| CoRIS List of Acronyms and Abbreviations | 2,645 |

Table 9 identifies the top ten publications accessed in CoRIS from January to March 2011.

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

| Office | Name |
|---------------|--|
| NMFS | USVI Distribution and Larval Supply study data |

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 | 71 | 6,390 |
| Acronyms/Abbreviations List | 236 | 5,207 |

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 the most highly accessed sections of the CoRIS Web site.