


National Coral Reef Monitoring Program: Assessment of coral reef benthic communities in U.S. Virgin Islands (USVI) from 2017-06-12 to 2017-08-04

NESDIS National Oceanographic Data Center

 Data Set (DS) | ID: 53152 | Draft

Created: 2018-07-27 | Last Modified: 2018-08-16

Parent: USVI

 Project (PRJ) | ID: 27678

ID: 53152

Data Set (DS)

*** Discovery**

• First Pass

» Metadata Rubric

Item Identification

* » Title	National Coral Reef Monitoring Program: Assessment of coral reef benthic communities in U.S. Virgin Islands (USVI) from 2017-06-12 to 2017-08-04
Short Name	NCRMP USVI 2017 Benthic
* Status	Complete
* » Abstract	<p>The National Coral Reef Monitoring Program (NCRMP) assessed coral reef communities in St. Croix, St. Thomas, and St. John, U.S. Virgin Islands (USVI) using two benthic surveys: the Benthic Assessment (BA) and the Coral Demographic method.</p> <p>Benthic Assessment provides benthic cover estimates for ecologically important cover types/groups (e.g., macroalgae, turf algae, crustose coralline algae, corals, sponges, sand/sediment, etc.) using a 1-stage stratified random survey design in hardbottom and coral reef habitats less than 30m in depth. The goals of these surveys are to provide: (1) a quantification of percent cover of biotic and abiotic benthic components using a line point-intercept (LPI) method; (2) information on topographic complexity (substratum rugosity) of the survey locations (3) quantitative information on local commercially and ecologically-important macroinvertebrates (Caribbean spiny lobster [<i>Panulirus argus</i>], queen conch [<i>Lobatus gigas</i>], long-spined sea urchin [<i>Diadema antillarum</i>]); and (4) presence-absence information for ESA-listed Threatened corals.</p> <p>The goal of the coral demographic surveys is to collect and report information on species composition, density, size, abundance, and specific parameters of condition (% live vs. dead, bleaching, disease) of non-juvenile scleractinian corals (>4 cm maximum diameter), and of overall species diversity (all corals) using 10m x 1m belt transects in a stratified random sampling design in hardbottom and coral reef habitats less than 30m in depth.</p> <p>Both Benthic Assessment and Coral Demographic surveys are concurrent.</p> <p>Data provided in this dataset are from St. Croix, St. Thomas, and St. John, and surrounding Sail Rock and mid-shelf reef region. Lead agencies involved include the National Oceanic and Atmospheric Administration's (NOAA) National Centers for Coastal Ocean Science (NCCOS), NOAA Southeast Fisheries Science Center (SEFSC) and the National Park Service (NPS).</p>
* Purpose	The National Coral Reef Monitoring Program (NCRMP) details a long-term approach to provide an ecosystem perspective via monitoring climate, fish, benthic, and socioeconomic variables in a consistent and

	integrated manner. The NCRMP is intended to coordinate various Coral Reef Conservation Program (CRCP) biological, physical, and human dimensions activities into a cohesive NOAA-wide effort. Through the implementation of the NCRMP, NOAA will be able to clearly and concisely communicate results of national-scale monitoring to national, state, and territorial policy makers, resource managers, and the public on a periodic basis.
Notes	
Other Citation Details	
• Supplemental Information	The National Coral Reef Monitoring Program (NCRMP) is a framework for conducting sustained observations of biological, climate, and socioeconomic indicators at 10 priority coral reefs across the U.S. and its territories. This integrated approach will consolidate monitoring of coral reefs under a uniform method in the Pacific, Atlantic, Caribbean, and the Gulf of Mexico for the first time. NCRMP is funded by the NOAA Coral Reef Conservation Program (CRCP) under CRCP Project #743 "National Coral Reef Monitoring Plan (NCRMP) Implementation," and supported by NOAA's National Centers for Coastal Ocean Science (NCCOS) under NCCOS Project #180 "National Coral Reef Monitoring Program Implementation: Biological and Socioeconomic Monitoring" and NOAA Southeast Fisheries Science Center (SEFSC). These biological monitoring missions gather data on coral reef benthic and fish communities in the U.S. Caribbean, Florida, and the Gulf of Mexico. Each year, NOAA scientists work closely with CRCP and local partners to collect biological data from strategically selected sites. We then develop products that give fellow scientists, managers, decision makers and the public a better understanding of a region's resources and how they are changing over time. The biological component of NCRMP provides a biennial ecological characterization at a broad spatial scale of general reef condition for reef fishes, corals and benthic habitat (i.e., fish species composition/density/size, benthic cover, and coral density/size/condition). Data collection occurs at stratified random sites where the sampling domain for each region is partitioned by habitat type and depth, sub-regional location (e.g., along-shelf position) and management zone.
DOI (Digital Object Identifier)	https://doi.org/10.7289/V5WW7FQK
DOI Registration Authority	
DOI Issue Date	

Keywords

Theme Keywords

Thesaurus	Keyword
CoRIS Discovery Thesaurus	Numeric Data Sets > Benthic
CoRIS Theme Thesaurus	Corals EARTH SCIENCE > Biosphere > Zoology > Corals
CoRIS Theme Thesaurus	EARTH SCIENCE > Biosphere > Aquatic Habitat > Reef Habitat > Description
CoRIS Theme Thesaurus	EARTH SCIENCE > Biosphere > Zoology > Corals > ESA Listed Species
CoRIS Theme Thesaurus	EARTH SCIENCE > Biosphere > Zoology > Corals > Reef monitoring and assessment > Benthos analysis > Transect monitoring > Linear transect (point)
CoRIS Theme	EARTH SCIENCE > Biosphere > Zoology > Corals > Reef Monitoring and Assessment > Coral

Thesaurus	Colony Size and Condition
CoRIS Theme Thesaurus	EARTH SCIENCE > Oceans > Marine Biology > Marine Invertebrates > Macroinvertebrates
CRCP Project	743
CRCP Project	National Coral Reef Monitoring Plan (NCRMP) Implementation
GCMD Keywords	Earth Science > Biosphere > Ecosystems > Marine Ecosystems > Benthic >
GCMD Keywords	Earth Science > Biosphere > Ecosystems > Marine Ecosystems > Reef > Coral Reef
NCCOS Keywords	NCCOS Research Data Type > Field Observation
NCCOS Keywords	NCCOS Research Data Type > Long-term Monitoring
NCCOS Keywords	NCCOS Research Location > Region > Caribbean Sea
NCCOS Keywords	NCCOS Research Location > U.S. States and Territories > U.S. Virgin Islands
NCCOS Keywords	NCCOS Research Priority > Marine Spatial Ecology
NCCOS Keywords	NCCOS Research Topic > Ecological and Biogeographic Assessments

Temporal Keywords

Thesaurus	Keyword

* Spatial Keywords

Thesaurus	Keyword
CoRIS Place Thesaurus	COUNTRY/TERRITORY > United States of America > U. S. Virgin Islands > St. Croix > St. Croix (17N064W0003)
CoRIS Place Thesaurus	COUNTRY/TERRITORY > United States of America > U. S. Virgin Islands > St. John > St. John (18N064W0011)
CoRIS Place Thesaurus	COUNTRY/TERRITORY > United States of America > U. S. Virgin Islands > St. Thomas > St. Thomas (18N064W0033)
CoRIS Place Thesaurus	OCEAN BASIN > Atlantic Ocean > Caribbean Sea > Virgin Islands > Virgin Islands > St. Croix (17N064W0003)
CoRIS Place Thesaurus	OCEAN BASIN > Atlantic Ocean > Caribbean Sea > Virgin Islands > Virgin Islands > St. John (18N064W0011)
CoRIS Place Thesaurus	OCEAN BASIN > Atlantic Ocean > Caribbean Sea > Virgin Islands > Virgin Islands > St. Thomas

GCMD Keywords	Ocean > Atlantic Ocean > North Atlantic Ocean > Caribbean Sea > Virgin Islands
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Stratum Keywords

Thesaurus	Keyword

Instrument Keywords

Thesaurus	Keyword

Platform Keywords

Thesaurus	Keyword

Physical Location

• » Organization	National Centers for Coastal Ocean Science
• » City	Silver Spring
• » State/Province	MD
• Country	
• » Location Description	

Data Set Information

* Data Set Scope Code	Data Set
• Data Set Type	CSV Files
• Maintenance Frequency	None Planned
Maintenance Note	

Data Set Creation Date	
Data Set Revision Date	
• Data Set Publication Status	Published
• Data Set Publication Date	2018
» Data Presentation Form	Table (digital)
Source Media Type	
• Entity Attribute Overview	<p>Three datasets are provided under the Benthic Assessment and coral demographic protocols, and are distributed as one compiled package: (1) analysis ready benthic cover dataset, (2) analysis ready invertebrates/ESA dataset, and (3) analysis ready coral demographic dataset. The methodologies used for this survey can be found in the Benthic Assessment and Coral Demographic protocols.</p> <p>All datasets contain data fields on general station information (e.g., survey strata, depth, rugosity). Each of these data tables contain additional survey-specific data fields. For complete information and descriptions of attributes and data fields for all data tables, refer to the data dictionaries.</p>
Entity Attribute Detail Citation	
Entity Attribute Detail URL	
Distribution Liability	NOAA makes no warranty, expressed or implied, regarding these data, nor does the fact of distribution constitute such a warranty. NOAA cannot assume liability for any damages caused by any errors or omissions in these data.
Data Set Credit	Lead agencies NOAA NCCOS and SEFSC, and National Park Service, USVI Department of Planning and Natural Resources, University of the Virgin Islands, University of Miami, and U.S. Environmental Protection Agency.
» Instrument (Deprecated)	
» Platform (Deprecated)	
» Physical Collection / Fishing Gear (Deprecated)	

Support Roles

» At least one Distributor Org, one Metadata Contact, one Point of Contact, and one Data Steward should be listed.

* » Support Role	Data Steward
-------------------------	--------------

* » Date Effective From	2014
Date Effective To	
* » Person	Kimberly Edwards
Address (Mailing)	101 Pivers Island Road Room 3-024 Beaufort, NC 28516-9722
* » Email Address	kimberly.edwards@noaa.gov
Phone Number	(252) 838-0811
Fax	(252) 728-8728
Business Hours	
* Organization	National Centers for Coastal Ocean Science (NCCOS)
Organization Address:	1305 East West Highway, Rm 8110 Silver Spring, MD 20910
Organization Phone	
Organization URL	http://coastalscience.noaa.gov/
Organization Business Hours	
Contact Instructions	

* » Support Role	Distributor
* » Date Effective From	2014
Date Effective To	
* Organization	National Centers for Environmental Information - Silver Spring, Maryland (NCEI-MD)
Organization Address:	NOAA/NESDIS E/OC SSMC3, 4th Floor, 1351 East-West Highway Silver Spring, MD 20910-3282
Organization Phone	(301) 713-3277
Organization Business Hours	
Contact Instructions	

* » Support Role	Metadata Contact

* » Date Effective From	2014
Date Effective To	
* » Person	Kimberly Edwards
Address (Mailing)	101 Pivers Island Road Room 3-024 Beaufort, NC 28516-9722
* » Email Address	kimberly.edwards@noaa.gov
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Organization URL	http://coastalscience.noaa.gov/
Organization Business Hours	
Contact Instructions	

* » Support Role	Originator
* » Date Effective From	2016
Date Effective To	
* Organization	Southeast Fisheries Science Center (SEFSC)
Organization Address:	75 Virginia Beach Drive Miami, FL 33149 USA
Organization Phone	(305)361-5761
Organization URL	www.sefsc.noaa.gov
Organization Business Hours	8:00 a.m. - 4:30 p.m. EST
Contact Instructions	

* » Support Role	Originator
* » Date Effective From	2014
Date Effective To	
* Organization	NOAA Coral Reef Conservation Program (CRCP) (CRCP)
Organization Address:	1305 East West Highway 10th Floor Silver Spring, MD 20910-3281
Organization Phone	(301) 713-3155
Organization URL	http://coralreef.noaa.gov
Organization Business Hours	
Contact Instructions	

* » Support Role	Originator
* » Date Effective From	2014
Date Effective To	
* » Person	NCCOS Scientific Data Coordinator
* » Email Address	NCCOS.data@noaa.gov
Phone Number	
Fax	
Business Hours	
* Organization	National Centers for Coastal Ocean Science (NCCOS)
Organization Address:	1305 East West Highway, Rm 8110 Silver Spring, MD 20910
Organization Phone	
Organization URL	http://coastalscience.noaa.gov/
Organization Business Hours	
Contact Instructions	

* » Support Role	Point of Contact

* » Date Effective From	2014
Date Effective To	
* » Person	Kimberly Edwards
Address (Mailing)	101 Pivers Island Road Room 3-024 Beaufort, NC 28516-9722
* » Email Address	kimberly.edwards@noaa.gov
Phone Number	(252) 838-0811
Fax	(252) 728-8728
Business Hours	
* Organization	National Centers for Coastal Ocean Science (NCCOS)
Organization Address:	1305 East West Highway, Rm 8110 Silver Spring, MD 20910
Organization Phone	
Organization URL	http://coastalscience.noaa.gov/
Organization Business Hours	
Contact Instructions	

* » Support Role	Principal Investigator
* » Date Effective From	2016
Date Effective To	
* » Person	Matthew W Johnson
Address (Mailing)	75 Virginia Beach Drive Bldg 1, Room 323A Miami, FL 33149
* » Email Address	matthew.johnson@noaa.gov
Phone Number	305-361-4213
Fax	305-365-4103
Business Hours	
* Organization	Southeast Fisheries Science Center (SEFSC)
Organization Address:	75 Virginia Beach Drive Miami, FL 33149 USA

Organization Phone	(305)361-5761
Organization URL	www.sefsc.noaa.gov
Organization Business Hours	8:00 a.m. - 4:30 p.m. EST
Contact Instructions	

* » Support Role	Principal Investigator
* » Date Effective From	2016
Date Effective To	
* » Person	Kimberly Edwards
Address (Mailing)	101 Pivers Island Road Room 3-024 Beaufort, NC 28516-9722
* » Email Address	kimberly.edwards@noaa.gov
Phone Number	(252) 838-0811
Fax	(252) 728-8728
Business Hours	
* Organization	National Centers for Coastal Ocean Science (NCCOS)
Organization Address:	1305 East West Highway, Rm 8110 Silver Spring, MD 20910
Organization Phone	
Organization URL	http://coastalscience.noaa.gov/
Organization Business Hours	
Contact Instructions	

* » Support Role	
* » Date Effective From	
Date Effective To	
* » Person	
* and/or	

Organization	
* Contact Instructions	

* » Support Role	
* » Date Effective From	
Date Effective To	
* » Person	
* and/or Organization	
* Contact Instructions	

* » Support Role	
* » Date Effective From	
Date Effective To	
* » Person	
* and/or Organization	
* Contact Instructions	

Extents

Currentness Reference	Ground Condition
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Extent Group 1

Extent Description	
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Extent Group 1 / Geographic Area 1

* » W° Bound	-64.92143
* » E° Bound	-64.43145
* » N° Bound	17.82445

* » S° Bound	17.63772
* » Description	Data were collected in the shallow (<30m) hardbottom shelf habitats around St. Croix, U.S. Virgin Islands

Extent Group 1 / Vertical Extent

Vertical Minimum	
Vertical Maximum	
Coordinate Reference System URL	

Extent Group 1 / Time Frame 1

* » Time Frame Type	Range
* » Start	2017-06-12
End	2017-06-23
Alternate Start As Of Info	
Alternate End As Of Info	
Description	

Extent Group 2

Extent Description	
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Extent Group 2 / Geographic Area 1

* » W° Bound	-65.1465
* » E° Bound	-64.64056
* » N° Bound	18.40496
* » S° Bound	18.17915
* » Description	Data were collected in the shallow (<30m) hardbottom shelf habitats around St. Thomas and St. John, U.S. Virgin Islands

Extent Group 2 / Vertical Extent

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Vertical Minimum	
Vertical Maximum	
Coordinate Reference System URL	

Extent Group 2 / Time Frame 1

* » Time Frame Type	Range
* » Start	2017-07-24
End	2017-08-04
Alternate Start As Of Info	
Alternate End As Of Info	
Description	

Spatial Information

Spatial Resolution

Angular Distance	
Angular Distance Units	
Horizontal Distance	
Horizontal Distance Units	
Vertical Distance	
Vertical Distance Units	
Equivalent Scale Denominator	
Level of Detail Description	

Spatial Representation

Grid	
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Representation Used?	
Vector Representation Used?	
Text / Table Representation Used?	
TIN Representation Used?	
Stereo Model Representation Used?	
Video Representation Used?	

Grid Representation

Dimension Count	
Cell Geometry	
Transformation Parameter Available?	

Axis Dimension

Dimension Type	
Size	
Resolution	
Resolution Units	
Resolution Type	
Description	

Axis Dimension

Dimension Type	
Size	
Resolution	
Resolution Units	
Resolution Type	

Description	
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Vector Representation

Topology Level	
Complex Object Present?	
Complex Object Count	
Composite Object Present?	
Composite Object Count	
Curve Object Present?	
Curve Object Count	
Point Object Present?	
Point Object Count	
Solid Object Present?	
Solid Object Count	
Surface Object Present?	
Surface Object Count	

Access Information

* » Security Class	Unclassified
* Security Classification System	Not applicable
Security Handling Description	Not applicable
• Data Access Policy	

» Data Access Procedure	Data can be accessed via the NOAA National Centers for Environmental Information (NCEI) Ocean Archive.
• » Data Access Constraints	None
• Data Use Constraints	<p>Please reference NOAA/NOS/NCCOS and NOAA/NMFS/SEFSC when utilizing these data in a report or peer reviewed publication.</p> <p>Cite as:</p> <p>National Centers for Coastal Ocean Science (NCCOS) and Southeast Fisheries Science Center (SEFSC). 2018. National Coral Reef Monitoring Program: Assessment of coral reef benthic communities in the U.S. Virgin Islands from 2017-06-12 to 2017-08-04 (NCEI Accession XXXXXX). NOAA National Centers for Environmental Information. Dataset. doi:10.7289/V5WW7FQK [access date]</p> <p>Additionally, knowledge of how this dataset has been of use and which organizations are utilizing it is of great benefit for ensuring this information continues to meet the needs of the management and research communities. Therefore, it is requested but not mandatory, that any user of this data supply this information to the Project Co-Investigators (Atlantic/Caribbean): Kimberly Edwards (kimberly.edwards@noaa.gov) and Matthew Johnson (matthew.johnson@noaa.gov)</p>
Metadata Access Constraints	
Metadata Use Constraints	

Distribution Information

Start Date	
» Download URL	https://accession.nodc.noaa.gov/0151727
Distributor	
File Name	NCRMP STX Fish Data Accession 2015
Description	National Centers for Coastal Ocean Science (2016). National Coral Reef Monitoring Program: Assessment of coral reef fish communities in St. Croix, U.S. Virgin Islands from 2015-06-08 to 2015-06-19 (NCEI Accession 0151727). Version 2.2. NOAA National Centers for Environmental Information. Dataset. [access date]
File Date/Time	
File Type	NCEI Archived Data Accession
FGDC Content Type	
File Size	
Application Version	
Compression	
Review Status	

Start Date	
» Download URL	https://accession.nodc.noaa.gov/0151728
Distributor	
File Name	NCRMP STT-STJ Benthic Data Accession 2013-2015
Description	National Centers for Coastal Ocean Science (2016). National Coral Reef Monitoring Program: Assessment of coral reef benthic communities in St. Thomas and St. John, U.S. Virgin Islands from 2013-07-08 to 2013-07-19 and from 2015-07-13 to 2015-07-24 (NCEI Accession 0151728). Version 2.2. NOAA National Centers for Environmental Information. Dataset. [access date]
File Date/Time	
File Type	NCEI Archived Data Accession
FGDC Content Type	
File Size	
Application Version	
Compression	
Review Status	

Start Date	
» Download URL	https://accession.nodc.noaa.gov/0151730
Distributor	
File Name	NCRMP STX Benthic Data Accession 2015
Description	National Centers for Coastal Ocean Science (2016). National Coral Reef Monitoring Program: Assessment of coral reef benthic communities in St. Croix, U.S. Virgin Islands from 2015-06-08 to 2015-06-19 (NCEI Accession 0151730). Version 2.2. NOAA National Centers for Environmental Information. Dataset. [access date]
File Date/Time	
File Type	NCEI Archived Data Accession
FGDC Content Type	
File Size	
Application Version	
Compression	
Review Status	

Start Date	
» Download URL	https://accession.nodc.noaa.gov/0151731

Distributor	
File Name	NCRMP STT-STJ Fish Data Accession 2013-2015
Description	National Centers for Coastal Ocean Science (2016). National Coral Reef Monitoring Program: Assessment of coral reef fish communities in St. Thomas and St. John, U.S. Virgin Islands from 2013-07-08 to 2013-07-19 and from 2015-07-13 to 2015-07-24 (NCEI Accession 0151731). Version 2.2. NOAA National Centers for Environmental Information. Dataset. [access date]
File Date/Time	
File Type	NCEI Archived Data Accession
FGDC Content Type	
File Size	
Application Version	
Compression	
Review Status	

Start Date	
» Download URL	https://accession.nodc.noaa.gov/0157633
Distributor	
File Name	NCRMP Documentation Accession
Description	Coral Reef Conservation Program (2016). Documentation for NOAA's Coral Reef Conservation Program (CRCP) National Coral Reef Monitoring Program (NCRMP) data archived at NCEI (NCEI Accession 0157633). NOAA National Centers for Environmental Information.
File Date/Time	
File Type	NCEI Archived Documentation Accession
FGDC Content Type	
File Size	
Application Version	
Compression	
Review Status	

Start Date	
» Download URL	https://doi.org/10.7289/V5F769MM
Distributor	
File Name	NCRMP USVI Fish Data Accession 2017
Description	National Centers for Coastal Ocean Science; Southeast Fisheries Science Center. (2018). National Coral Reef

	Monitoring Program: Assessment of coral reef fish communities in the U.S. Virgin Islands from 2017-06-12 to 2017-08-04 (NCEI Accession XXXXXX). NOAA National Centers for Environmental Information. Dataset.
File Date/Time	
File Type	NCEI Archived Data Accession
FGDC Content Type	
File Size	
Application Version	
Compression	
Review Status	

Start Date	
» Download URL	https://doi.org/10.7289/V5F769MM
Distributor	
File Name	NCRMP USVI Fish Data Collection
Description	NOAA National Centers for Coastal Ocean Science (2016). National Coral Reef Monitoring Program: Assessment of coral reef fish communities in the U.S. Virgin Islands. NOAA National Centers for Environmental Information. Dataset. doi:10.7289/V5F769MM [access date]
File Date/Time	
File Type	NCEI Archived Data Accession
FGDC Content Type	
File Size	
Application Version	
Compression	
Review Status	

Start Date	
» Download URL	https://doi.org/10.7289/V5WW7FQK
Distributor	
File Name	NCRMP USVI Benthic Data Accession 2017
Description	National Centers for Coastal Ocean Science; Southeast Fisheries Science Center. (2018). National Coral Reef Monitoring Program: Assessment of coral reef benthic communities in the U.S. Virgin Islands from 2017-06-12 to 2017-08-04 (NCEI Accession XXXXXX). NOAA National Centers for Environmental Information. Dataset.
File Date/Time	
File Type	NCEI Archived Data Accession

FGDC Content Type	
File Size	
Application Version	
Compression	
Review Status	

Start Date	
» Download URL	https://doi.org/10.7289/V5WW7FQK
Distributor	
File Name	NCRMP USVI Benthic Data Collection
Description	NOAA National Centers for Coastal Ocean Science (2016). National Coral Reef Monitoring Program: Assessment of coral reef benthic communities in the U.S. Virgin Islands. NOAA National Centers for Environmental Information. Dataset. doi:10.7289/V5WW7FQK [access date]
File Date/Time	
File Type	NCEI Archived Data Accession
FGDC Content Type	
File Size	
Application Version	
Compression	
Review Status	

Start Date	
End Date	
» Download URL	
Distributor	
File Name	
Description	
File Date/Time	
File Type	
FGDC Content Type	

File Size	
Application Version	
Compression	
Review Status	

Start Date	
End Date	
» Download URL	
Distributor	
File Name	
Description	
File Date/Time	
File Type	
FGDC Content Type	
File Size	
Application Version	
Compression	
Review Status	

Start Date	
End Date	
» Download URL	
Distributor	
File Name	
Description	
File Date/Time	
File Type	
FGDC Content Type	
File Size	

Application Version	
Compression	
Review Status	

URLs

URL	http://www.coris.noaa.gov/monitoring/
Name	
URL Type	Online Resource
File Resource Format	
Description	NOAA's National Coral Reef Monitoring Program - CRCP Project Page

URL	https://coastalscience.noaa.gov/project/national-coral-reef-monitoring-program-biological-socioeconomic/
Name	
URL Type	Online Resource
File Resource Format	
Description	National Coral Reef Monitoring Program Implementation: Biological and Socioeconomic Monitoring - NCCOS Project Page

URL	
Name	
URL Type	
File Resource Format	
Description	

URL	
Name	
URL Type	
File Resource Format	

Description	
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URL	
Name	
URL Type	
File Resource Format	
Description	

Activity Log

Activity Time	
Activity Type	
Responsible Party	
Description	

Activity Time	
Activity Type	
Responsible Party	
Description	

Activity Time	
Activity Type	
Responsible Party	
Description	

Issues

Issue Date	
------------	--

Author	
Issue	

Issue Date	
Author	
Issue	

Issue Date	
Author	
Issue	

Technical Environment

Description	
-------------	--

Data Quality

Representativeness	
Accuracy	
Analytical Accuracy	
Horizontal Positional Accuracy	
Vertical Positional Accuracy	
Quantitation Limits	
Bias	

Comparability	
Completeness Measure	
Precision	
Analytical Precision	
Field Precision	
Sensitivity	
Detection Limit	
Completeness Report	
Conceptual Consistency	
» Quality Control Procedures Employed	<p>Quality control procedures are implemented in four main stages: (1) ongoing routine training of observers (initial detailed training, annual refresher training); (2) data check following data collection, where divers trade datasheets immediately upon returning to boat after dive, to ensure all data were collected accurately and required information is complete; (3) independent reviewers compare datasheets with database entries; and (4) statistical analyses are conducted as the final check before distribution.</p> <p>Before implementation the sampling design was reviewed and agreed upon by representatives from program partners, as well as NCCOS scientists.</p>

Data Management

» Have Resources for Management of these Data Been Identified?	
» Approximate Percentage of	

Budget for these Data Devoted to Data Management	
» Do these Data Comply with the Data Access Directive?	
» Is Access to the Data Limited Based on an Approved Waiver?	
» If Distributor (Data Hosting Service) is Needed, Please Indicate	
» Approximate Delay Between Data Collection and Dissemination	
» If Delay is Longer than Latency of Automated Processing, Indicate Under What Authority Data Access is Delayed	
» Actual or Planned Long-Term Data Archive Location	
» If World Data Center or Other, Specify	
» If To Be Determined, Unable to Archive, or No Archiving Intended, Explain	
» Approximate Delay Between	

Data Collection and Archiving	
» How Will the Data Be Protected from Accidental or Malicious Modification or Deletion Prior to Receipt by the Archive?	

Lineage

» Lineage Statement	Datasets and protocols are year specific. Datasets are based on year-specific protocols utilized for data collection.
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Sources

Citation Title	Benthic Assessment Protocols for the U.S. Caribbean and Gulf of Mexico: 2017
Originator/Publisher	National Centers for Coastal Ocean Science
Publish Date	
Extent Type	
Extent Start Date/Time	
Extent End Date/Time	
Scale Denominator	
Citation URL	https://coastalscience.noaa.gov/project/national-coral-reef-monitoring-program-biological-socioeconomic/
Citation URL Name	
Citation URL Description	
Source Contribution	

Citation Title	Coral Demographics Survey Protocol for the U.S. Caribbean and Gulf of Mexico: 2017
Originator/Publisher	National Centers for Coastal Ocean Science
Publish Date	
Extent Type	

Extent Start Date/Time	
Extent End Date/Time	
Scale Denominator	
Citation URL	https://coastalscience.noaa.gov/project/national-coral-reef-monitoring-program-biological-socioeconomic/
Citation URL Name	
Citation URL Description	
Source Contribution	

Citation Title	NCRMP Sample Frame Development Protocols for U.S. Caribbean and FGBNMS
Originator/Publisher	National Centers for Coastal Ocean Science
Publish Date	
Extent Type	
Extent Start Date/Time	
Extent End Date/Time	
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Citation URL	
Citation URL Name	
Citation URL Description	
Scale Denominator	

Process Steps

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Process Step Number	1
» Description	<p>2017 benthic assessment and coral demographic survey locations were selected using a stratified random sampling design within the USVI study area for St. Croix, St. Thomas and St. John. Locations selected for coral demographic surveys are a subset of fish and benthic assessment survey sites. Detailed information describing the sampling design is provided in the NCRMP Sample Frame Generation Protocols and Workflow document.</p> <p>Briefly, surveys were located on shallow-water coral reefs and hardbottom habitats to a depth of 30 meters. Survey site selection was stratified according to depth classes, benthic habitat types, large marine biotopes and administrative zones. Samples were allocated disproportionate to area and consequently sampling weights are an integral component of data analysis.</p> <p>Data provided from this process are provided in all data tables as station information in addition to a main survey attribute table (sample strata, sampling weights).</p> <p>Refer to data dictionary for complete listing of terms and descriptions.</p>
Process Date/Time	
Process Contact	National Centers for Coastal Ocean Science
Phone (Voice)	
Email Address	
Source	NCRMP Sample Frame Development Protocols for U.S. Caribbean and FGBNMS

Process Step Number	2
» Description	<p>2017 Benthic Assessment:</p> <p>For the 2017 field sampling, LPI, macroinvertebrate, ESA and topographic complexity methodologies were combined under a parent protocol: Benthic Assessment.</p> <p>The LPI component of the protocols were modified for the 2016 sample year in Puerto Rico to integrate with similar methods used in Florida, another NCRMP sampling location. These changes were instituted in USVI in 2017. The changes from the 2015 protocols are listed below and are reflected in the 2017 USVI datasets.</p> <p>1) All benthic surveys (Coral Demographics and Benthic Assessments (LPI)), were conducted at a subset of sites and benthic transects established independently of the fish surveys.</p> <p>2) Overall transect length for benthic assessments was changed in 2016 to 15m from 20m in 2015. This effected all three surveys.</p> <p>(a) LPI data collection points changed to 100 points every 15cm.</p> <p>(b) Area for ESA coral and macroinvertebrate assessments changed to 15x2m area.</p> <p>(3) Lastly, Topographic Complexity was collected by the benthic diver, whereas in 2015 it was collected by the fish diver. This survey was also adjusted due to shortened transect length, to 15 measurements in 1x2m bins along the 15x2m transect in 2017 from 24 measurements in 2x2m bins along a 25x4m transect in 2015.</p>
Process Date/Time	
Process Contact	National Centers for Coastal Ocean Science
Phone (Voice)	
Email Address	
Source	Benthic Assessment Protocols for the U.S. Caribbean and Gulf of Mexico: 2017

Process Step Number	3
» Description	<p>2017 Coral Demographics:</p> <p>The Coral Demographic component of the protocols were modified for the 2017 sample year to integrate with similar methods used in Florida, another NCRMP sampling location. The changes from 2015 protocols are listed below and are reflected in the 2017 USVI datasets.</p> <p>1) All benthic surveys (Coral Demographics and Benthic Assessments (LPI), were conducted at a subset of sites and benthic transects established independently of the fish surveys.</p> <p>2) In 2015, all coral demographic surveys started at meter 0 in the transect for data collection regardless of abiotic substrate (hardbottom, softbottom). In 2017, benthic transects were actively placed on hardbottom habitat to begin the survey (0m).</p> <p>3) In 2017, in the event coral demographic surveys could not be completed, data was collected to the whole meter instead of partial meters.</p>
Process Date/Time	
Process Contact	National Centers for Coastal Ocean Science
Phone (Voice)	
Email Address	
Source	Coral Demographics Survey Protocol for the U.S. Caribbean and Gulf of Mexico: 2017

Process Step Number	
» Description	
Process Date/Time	
Process Contact	
Phone (Voice)	
Email Address	
Source	

Process Step Number	
» Description	
Process Date/Time	
Process Contact	
Phone (Voice)	

Email Address	
Source	

Process Step Number	
» Description	
Process Date/Time	
Process Contact	
Phone (Voice)	
Email Address	
Source	

Acquisition Information

Instruments

Instrument Unavailable Reason	
Identifier	
Docucomp UUID	
Instrument / Gear	
Instrument Type	
Description	

Identifier	
Docucomp UUID	
Instrument / Gear	
Instrument Type	
Description	

Identifier	
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Docucomp UUID	
Instrument / Gear	
Instrument Type	
Description	

Platforms

Platform Unavailable Reason	
Identifier	
Docucomp UUID	
Description	

Mounted Instruments

Identifier	
Identifier	
Identifier	

Identifier	
Docucomp UUID	
Description	

Mounted Instruments

Identifier	
Identifier	
Identifier	

Identifier	
Docucomp UUID	
Description	

Mounted Instruments	
Identifier	
Identifier	
Identifier	

FAQs

Date	
Author	
Question	
Answer	

Child Items

Rubric scores updated every 15m

Score	Type	Title

Related Items

Item Type	Relationship Type	Title

Catalog Details

Catalog Item ID	53152
Metadata Record Created By	Sarah Hile
Metadata Record Created	2018-07-27 11:39+0000
Metadata Record	Jessica Morgan

Last Modified By	
» Metadata Record Last Modified	2018-08-16 15:23+0000
Metadata Record Published	
Owner Org	NESDIS-NODC
Metadata Publication Status	Never Published
Do Not Publish?	N
Metadata Workflow State	Draft
Metadata Next Review Date	
• Linking Share Level	Across the InPort Catalog