

The Coastal and Marine Ecological Classification Standard (CMECS) In Action Map Viewer List of Projects

Project Name	Project Description	1st CMECS Setting Used	2nd CMECS Setting Used	1st CMECS Component Used	2nd CMECS Component Used	3rd CMECS Component Used	4th CMECS Component Used	1st CMECS Modifier Used	2nd CMECS Modifier Used	3rd CMECS Modifier Used	4th CMECS Modifier Used	5th CMECS Modifier Used	Co-Occuring Elements	Project Date	Project Managing Organizations/ Partners	First Link to External Resource with More Information	Second Link to External Resource with More Information	First Link to External Resource for Project's Data Access	Second Link to External Resource for Project's Data Access	Third Link to External Resource for Project's Data Access	Project's Approximate Longitude	Project's Approximate Latitude
2002 Long Island South Shore Estuary Benthic Habitat Polygon Data Set Geodatabase	GIS layers originally classified with the System for Classifying Habitats in Estuarine and Marine Environments (SCHEME) crosswalked to CMECS using the CMECS Crosswalk Tool for Long Islands South Shore bays	None	None	None	Geoform	Substrate	Biotic	Percent Cover	None	None	None	None	None	2002	Long Island South Shore Estuary Reserve; NOAA Office for Coastal Management	https://www.fisheries.noaa.gov/inport/item/47939	None	https://coast.noaa.gov/htdata/Benthic/Benthic_Cover_Data/CMECS/ny_liss02_p.zip	None	None	-73.124	40.695
A Geospatial Assessment of U.S. Atlantic and Gulf of Mexico Essential Fish Habitat in Relation to Offshore Sand Features	Modeled presence and distribution of sand shoals of the Gulf of Mexico and US Atlantic Coast based on seafloor characteristics and distance to shoreline variables. These data were developed to advance planning and environmental assessment of sand dredging as part of a larger project focused on marine fish distribution and habitat use	None	None	None	Geoform	Substrate	None	None	None	None	None	None	None	2014 - 2020	NOAA National Centers for Coastal Ocean Science; NOAA Fisheries; Bureau of Ocean Energy Management	https://coastal-science.noaa.gov/data_reports/regional-essential-fish-habitat-geospatial-assessment-and-framework-for-off-shore-sand-features/	None	https://www.ncei.noaa.gov/access/metadata/landing-page/bin/iso?id=gov.noaa.nodc:0221906	None	None	-75	36
Apostle Islands National Lakeshore	None	None	None	None	None	None	None	None	None	None	None	None	None	In Progress	National Park Service; NOAA National Centers for Coastal Ocean Science	Coming soon	None		None	None	-91	47

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Application of the Coastal and Marine Ecological Classification Standard (CMECS) in the Northeast	Crosswalks of 40 existing classification schemes to CMECS resulting in integrated data products at regional and sub-regional scales to support marine spatial planning in the U.S. Northeast Atlantic	Aquatic	Biogeographic	None	Geoform	Substrate	Biotic	Anthropogenic Impact	Wave Regime	Slope	Induration	Temporal Persistence		2013	The Nature Conservancy, University of Rhode Island, Massachusetts Department of Fish and Game	http://www.conservationsgateway.org/ConservationByGeography/NorthAmerica/UnitedStates/edc/reportsdata/marine/otherprojects/Pages/CMECS.aspx	None	https://easterndivision.s3.amazonaws.com/Marine/CMECS_NAM-ERA_BenthicHabitat_Data-set_06192014.zip	https://easterndivision.s3.amazonaws.com/Marine/CMECS_02062014/Final_Crosswalks_02052014.xlsx	None	-73	39
Application of the Coastal and Marine Ecological Classification Standard (CMECS) to Deep-Sea Benthic Surveys in the Northeast Pacific: Lessons from Field Tests in 2015	Application of CMECS to oceanographic data and still images collected by ROV in deep water environments (publication only)	None	None	Water Column	Geoform	Substrate	None	None	None	None	None	None	Yes	2017	NOAA National Centers for Coastal Ocean Science	https://coastal-science.noaa.gov/data_reports/application-of-the-coastal-and-marine-ecological-classification-standard-cmeecs-to-deep-sea-benthic-surveys-in-the-north-east-pacific-lessons-from-field-tests-in-2015/	https://repository.library.noaa.gov/view/noaa/14166	https://www.ncei.noaa.gov/maps/oer-digital-atlas/mapsOE.htm	None	None	-157	19
Application of the coastal and marine ecological classification standard using satellite-derived and modeled data products for pelagic habitats in the Northern Gulf of Mexico	Application of the CMECS Water Column Component and modifiers to 5-year seasonal means of oceanographic parameters in the Gulf of Mexico derived from MODIS Aqua satellite imagery and the the Naval Research Laboratory's Intra-Americas Sea Ocean Nowcast/Forecast System (IASNFS)	None	None	Water Column	None	None	None	Water Column Stability	Phytoplankton Productivity	Photic Quality	None	None	None	2014	NOAA Office for Coastal Management; Naval Research Lab; Nature Serve	https://www.researchgate.net/publication/259292937_Application_of_the_coastal_and_marine_ecological_classification_standard_using_satellite-derived_and_modeled_data_products_for_pelagic_habitats_in_the_Northern_Gulf_of_Mexico	None	https://www.ncei.noaa.gov/metadata/geoportal/rest/metadata/item/gov.noaa.nodc%3A0094007/html	None	None	-90	28

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Assessment of shallow-water habitat mapping tools and methods: A pilot study at Fire Island National Seashore	Pilot study to develop a protocol for habitat mapping in very shallow water (0-5 meters deep) to test acoustic (sidescan sonar, single-beam sonar and interferometric sonar) and ground-truthing (grab samples, sediment profile imagery, underwater video) methods to map and classify marine habitats (publication only)	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	2010	University of Rhode Island; National Park Service	https://irma.nps.gov/DataStore/Reference/Profile/664668	None	None	None	None	-72.976	40.706
Benthic Habitat Mapping - Indian River Lagoon, Florida Submerged Aquatic Vegetation (SAV) Data 1996 Geodatabase	GIS layers originally classified with the System for Classifying Habitats in Estuarine and Marine Environments (SCHEME) crosswalked to CMECS using the CMECS Crosswalk Tool for Indian River Lagoon, FL	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	1996	NOAA Office for Coastal Management; EPA - Gulf of Mexico Program; Florida Fish and Wildlife Conservation Commission; Florida Marine Research Institute	https://www.fisheries.noaa.gov/inport/item/47895	None	https://coast.noaa.gov/htdata/Benthic/Benthic_Cover_Data/CMECS/fl_irl96.zip	None	None	-80.543	28.226
Benthic habitat mapping and assessment in the Wilmington-East Wind Energy Call Area: final report	Application of CMECS to sidescan and multibeam data to identify seafloor characteristics as habitat for associated fish species (publication only)	None	None	None	Geoform	Substrate	None	None	None	None	None	None	None	2016	NOAA National Centers for Coastal Ocean Science; Bureau of Ocean Energy Management	https://coastal-science.noaa.gov/project/mapping-biological-assessments-wind-energy-area-north-carolina/	https://coastalscience.noaa.gov/data_reports/benthic-habitat-mapping-and-assessment-in-the-wilmington-east-wind-energy-call-area-final-report/	None	None	None	-78	34

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Benthic Habitats and Surficial Geology of Apalachicola Bay, Florida 2006 Geodatabase	GIS layers originally classified with the System for Classifying Habitats in Estuarine and Marine Environments (SCHEME) crosswalked to CMECS using the CMECS Crosswalk Tool for Apalachicola Bay and western St. George Sound, FL	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	2006	Apalachicola National Estuarine Research Reserve; NOAA Office for Coastal Management; US Geological Survey	https://www.fisheries.noaa.gov/inport/item/47873	None	https://coast.noaa.gov/htdata/Benthic/Benthic_Cover_Data/CMECS/fl_ab06.zip	None	None	-84.902	29.688
Benthic Habitats of Estero Bay Area, Florida	Habitat map originally classified using the System for Classification of Habitats in Estuarine and Marine Environments (SCHEME), crosswalked to CMECS for Estero Bay, FL	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	1999	Apalachicola National Estuarine Research Reserve; NOAA Office for Coastal Management; US Geological Survey	https://www.fisheries.noaa.gov/inport/item/47886	None	https://coast.noaa.gov/htdata/Benthic/Benthic_Cover_Data/CMECS/fl_eb99.zip	None	None	-81.940	26.417
Gulf Islands National Seashore Benthic Substrate Classification Map	Application of CMECS v4 Surface Geology Component to interpreted backscatter and sediment samples surrounding barrier islands in the Gulf Islands National Seashore (publication only)	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	2012	US Geological Survey	https://pubs.usgs.gov/of/2012/1051/pdf/ofr2012-1051.pdf	None	None	None	None	-89	30

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Chesapeake Bay CMECS Database	A bay-wide application of the CMECS Substrate Component that is continually updated to reflect new mapping data and ground truth efforts. A subset of this data is used to describe benthic habitat for the Ecological Assessment to Support NOAA's Choptank Complex Habitat Focus Area	None	None	None	None	Substrate	Biotic (pending)	None	None	None	None	None	None	2005 to present	NOAA Fisheries Office of Habitat Conservation, Chesapeake Bay Office	https://www.fisheries.noaa.gov/inport/item/29682	https://coastalscience.noaa.gov/project/ecological-assessment-choptank-complex-habitat-focus-area/	https://drive.google.com/file/d/10uvQmkIXAqqH-Z7EEQJTYbopAoztfEoaW/view?usp=sharing	https://noaa.maps.arcgis.com/apps/webappviewer/index.html?id=54850fb8f903412da6cedd8f14ac96c8	None	-76	38
Coastal Bend Texas Benthic Habitat Mapping: Espiritu Santo Bay 2007 Geodatabase	GIS layers originally classified with the System for Classifying Habitats in Estuarine and Marine Environments (SCHEME) crosswalked to CMECS using the CMECS Crosswalk Tool for Espiritu Santo Bay, TX	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	2007	NOAA Office for Coastal Management; Texas Parks and Wildlife Department; Texas A and M University Center for Coastal Studies	https://www.fisheries.noaa.gov/inport/item/47964	None	https://coast.noaa.gov/htdata/Benthic/Benthic_Cover_Data/CMECS/tx_esb07.zip	None	None	-96.534	28.348
Coastal Bend Texas Benthic Habitat Mapping: Copano Bay 2004 Geodatabase	GIS layers originally classified with the System for Classifying Habitats in Estuarine and Marine Environments (SCHEME) crosswalked to CMECS using the CMECS Crosswalk Tool for Copano Bay, TX	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	2004	NOAA Office for Coastal Management; Texas Parks and Wildlife Department; Texas A and M University Center for Coastal Studies	https://www.fisheries.noaa.gov/inport/item/47953	None	https://coast.noaa.gov/htdata/Benthic/Benthic_Cover_Data/CMECS/tx_cb04.zip	None	None	-97.106	28.112

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Coastal Bend Texas Benthic Habitat Mapping: Aransas Bay 2004 Geodatabase	GIS layers originally classified with the System for Classifying Habitats in Estuarine and Marine Environments (SCHEME) crosswalked to CMECS using the CMECS Crosswalk Tool for Aransas Bay, TX	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	2004	NOAA Office for Coastal Management; Texas Parks and Wildlife Department; Texas A and M University Center for Coastal Studies	https://www.fisheries.noaa.gov/inport/item/47945	None	https://coast.noaa.gov/htdata/Benthic/Benthic_Cover_Data/CMECS/tx_ab04.zip	None	None	-96.995	28.045
Coastal Bend Texas Benthic Habitat Mapping: Baffin Bay 2004 Geodatabase	GIS layers originally classified with the System for Classifying Habitats in Estuarine and Marine Environments (SCHEME) crosswalked to CMECS using the CMECS Crosswalk Tool for Baffin Bay, TX	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	2004	NOAA Office for Coastal Management; Texas Parks and Wildlife Department; Texas A and M University Center for Coastal Studies	https://www.fisheries.noaa.gov/inport/item/47949	None	https://coast.noaa.gov/htdata/Benthic/Benthic_Cover_Data/CMECS/tx_bb04.zip	None	None	-97.578	27.275
Coastal Bend Texas Benthic Habitat Mapping: Corpus Christi Bay 2004 Geodatabase	GIS layers originally classified with the System for Classifying Habitats in Estuarine and Marine Environments (SCHEME) crosswalked to CMECS using the CMECS Crosswalk Tool for Corpus Christi Bay, TX	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	2004	NOAA Office for Coastal Management; Texas Parks and Wildlife Department; Texas A and M University Center for Coastal Studies	https://www.fisheries.noaa.gov/inport/item/47957	None	https://coast.noaa.gov/htdata/Benthic/Benthic_Cover_Data/CMECS/tx_ccb04.zip	None	None	-97.266	27.775

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Coastal Bend Texas Benthic Habitat Mapping: Redfish Bay 2004 Geodatabase	GIS layers originally classified with the System for Classifying Habitats in Estuarine and Marine Environments (SCHEME) crosswalked to CMECS using the CMECS Crosswalk Tool for Redfish Bay	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	2004	NOAA Office for Coastal Management; Texas Parks and Wildlife Department; Texas A and M University Center for Coastal Studies	https://www.fisheries.noaa.gov/inport/item/47972	None	https://coast.noaa.gov/htdata/Benthic/Benthic_Cover_Data/CMECS/tx_rb04.zip	None	None	-97.122	27.875
Coastal Bend Texas Benthic Habitat Mapping: Upper Laguna Madre Bay 2004 Geodatabase	GIS layers originally classified with the System for Classifying Habitats in Estuarine and Marine Environments (SCHEME) crosswalked to CMECS using the CMECS Crosswalk Tool for Upper Laguna Madre, TX	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	2004	NOAA Office for Coastal Management; Texas Parks and Wildlife Department; Texas A and M University Center for Coastal Studies	https://www.fisheries.noaa.gov/inport/item/47980	None	https://coast.noaa.gov/htdata/Benthic/Benthic_Cover_Data/CMECS/tx_ulm04.zip	None	None	-97.373	27.365
Coastal Bend Texas Benthic Habitat Mapping: Lower Laguna Madre 2004 Geodatabase	GIS layers originally classified with the System for Classifying Habitats in Estuarine and Marine Environments (SCHEME) crosswalked to CMECS using the CMECS Crosswalk Tool for Lower Laguna Madre, TX	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	2004	NOAA Office for Coastal Management; Texas Parks and Wildlife Department; Texas A and M University Center for Coastal Studies	https://www.fisheries.noaa.gov/inport/item/47968	None	https://coast.noaa.gov/htdata/Benthic/Benthic_Cover_Data/CMECS/tx_llm04.zip	None	None	-97.384	26.474

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Coastal Bend Texas Benthic Habitat Mapping: San Antonio Bay 2007 Geodatabase	GIS layers originally classified with the System for Classifying Habitats in Estuarine and Marine Environments (SCHEME) crosswalked to CMECS using the CMECS Crosswalk Tool for San Antonio Bay, TX	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	2007	NOAA Office for Coastal Management; Texas Parks and Wildlife Department; Texas A and M University Center for Coastal Studies	https://www.fisheries.noaa.gov/inport/item/47976	None	https://coast.noaa.gov/hdata/Benthic/Benthic_Cover_Data/CMECS/tx_sab07.zip	None	None	-96.736	28.306
Coastal Maine Submerged Aquatic Vegetation Data 1993-1997 Geodatabase	GIS layers originally classified with the System for Classifying Habitats in Estuarine and Marine Environments (SCHEME) crosswalked to CMECS using the CMECS Crosswalk Tool for Casco Bay, Englishman Bay, Frenchman Bay, Penobscot Bay, ME	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	1993 - 1997	NOAA Office for Coastal Management; Maine Department of Marine Resources	https://www.fisheries.noaa.gov/inport/item/47903	None	https://coast.noaa.gov/hdata/Benthic/Benthic_Cover_Data/CMECS/me97.zip	None	None	-69	44
Comparison of Methods for Integrating Biological and Physical Data for Marine Habitat Mapping and Classification	A comparison of top-down and bottom-up approaches for integrating physical and biological data derived from commonly used sub-tidal benthic mapping tools to create CMECS-classified habitat maps (publication only)	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	2010	University of Rhode Island	https://www.sciencedirect.com/science/article/pii/S0278434310002256	None	None	None	None	-71	42

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Continental Shelf Characterization, Assessment, and Mapping Project (C-SCAMP)	A high resolution bathymetry data collection program on the West Florida Shelf that applies CMECS to identify and map benthic habitat	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	Ongoing	University of South Florida, National Fish and Wildlife Foundation	https://www.marine.usf.edu/scamp/	None	https://www.marine.usf.edu/scamp/data-products/	None	None	-84	28
Ecological Classification of Florida Bay: Using the Coastal Marine Ecological Classification Standard (CMECS) Version 2	Exploration of the feasibility of integrating an existing regional/local habitat classification into the CMECS framework (publication only)	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	2007	NatureServe	https://www.natureserve.org/biodiversity-science/publications/ecological-classification-florida-bay-using-coastal-marine	None	None	None	None	-81	25
Evaluating the NOAA Coastal and Marine Ecological Classification Standard in estuarine systems: A Columbia River Estuary case study	Application of CMECS to ADCP, CTD, and PONAR data collected in the Columbia River Estuary (publication only)	None	None	Water Column	None	Substrate	None	None	None	None	None	None	None	2007	University of Idaho	https://www.researchgate.net/publication/223816833_Evaluating_the_NOAA_Coastal_and_Marine_Ecological_Classification_Standard_in_estuarine_systems_A_Columbia_River_Estuary_case_study	None	None	None	None	-124	46
Habitat Mapping and Classification in the Northeast USA	A description of benthic habitat mapping and classification efforts in the Northeast U.S. waters, including a comparison of classification schemes (publication only)	None	None	None	None	None	None	None	None	None	None	None	None	2014	Northeast Regional Ocean Council	https://www.arcgis.com/apps/MapJournal/index.html?appid=cc22bf-843d9346ac-976b735a9d596353	https://www.northeast-oceandata.org/files/metadata/StoryMap/Shumchenia%20et%20al%20_2015.pdf	None	None	None	-68	41

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Humboldt Bay, California Benthic Habitats 2009 Geodatabase	GIS layers originally classified with the System for Classifying Habitats in Estuarine and Marine Environments (SCHEME) crosswalked to CMECS using the CMECS Crosswalk Tool for Arcata (North) Bay, Entrance Bay, South Bay and the Eel River Delta, Humboldt County, CA	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	2009	NOAA Office for Coastal Management	https://www.fisheries.noaa.gov/inport/item/47853	None	https://coast.noaa.gov/htdata/Benthic/Benthic_Cover_Data/CMECS/ca_hb09.zip	None	None	-124.213	40.756
Isle Royale National Park	None	None	None	None	None	None	None	None	None	None	None	None	None	In Progress	National Park Service	Coming soon	None		None	None	-89	48
Kachemak Bay BIOMapper	Benthic habitat maps of substrate and seagrass cover for the Kachemak Bay, a State of Alaska Critical Habitat Area	None	None	None	None	Substrate	Biotic	Percent Cover	None	None	None	None	Yes	2016	NOAA National Centers for Coastal Ocean Science; Kachemak Bay National Estuarine Research Reserve	https://coastalscience.noaa.gov/project/spatial-products-kachemak-bay-habitat-focus-area-place-based-management/	https://nccos-coastalsciencemaps-web-staging.azurewebsites.net/biomapper/biomapper.html?id=kbay	https://doi.org/10.25921/2nha-4780	None	None	-151.634	59.559
Klawock Lagoon, Alaska Benthic Habitats 2011 Geodatabase	GIS layers originally classified with the System for Classifying Habitats in Estuarine and Marine Environments (SCHEME) crosswalked to CMECS using the CMECS Crosswalk Tool for Klawock Lagoon, Klawock Harbor, and Klawock Bay, Borough of Juneau, Alaska	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	2011	NOAA Office for Coastal Management	https://www.fisheries.noaa.gov/inport/item/47847	None	https://coast.noaa.gov/htdata/Benthic/Benthic_Cover_Data/CMECS/ak_kl11.zip	None	None	-133.092	55.550

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Marine Benthic Habitat Mapping of Muir Inlet, Glacier Bay National Park and Preserve, Alaska With an Evaluation of the Coastal and Marine Ecological Classification Standard III	Seafloor geology and potential benthic habitats were mapped in Muir Inlet, Glacier Bay National Park and Preserve, Alaska, using multibeam sonar, ground-truth information, and geological interpretations. The results of these analyses serve as a test of the CMECS and as a baseline for continued mapping and correlations among seafloor substrate, benthic habitats, and glaciomarine processes	None	None	Water Column	None	Substrate	None	None	None	None	None	None	None	2010	US Geological Survey	https://pubs.usgs.gov/sim/3122/	None	https://pubs.usgs.gov/sim/3122/	None	None	-136.102	58.936
National Offshore Sand Inventory (BOEM Marine Minerals Information System)	The BOEM National Offshore Sand Inventory compiles sediment data for the US Outer Continental Shelf. Data is classified with the CMECS Substrate Component and is available from the Marine Minerals Information System application	None	None	None	None	Substrate	None	None	None	None	None	None	None	Ongoing	Bureau of Ocean Energy Management	https://www.boem.gov/building-national-offshore-sand-inventory	None	https://mmis.doi.gov/BOEMMMIS/	None	None	-80	31

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North Carolina Seagrass Submersed Rooted Vasculars 1990 Geodatabase	GIS layers originally classified with the System for Classifying Habitats in Estuarine and Marine Environments (SCHEME) crosswalked to CMECS using the CMECS Crosswalk Tool for coastal North Carolina	None	None	None	Geoform	None	Biotic	None	None	None	None	None	None	1990	NOAA National Centers for Coastal Ocean Science	https://www.fisheries.noaa.gov/inport/item/47910	None	https://coast.noaa.gov/htdata/Benthic/Benthic_Cover_Data/CMECS/nc90.zip	None	None	-75.683	35.408
Northwest Indian Fisheries Commission Ocean Maps	CMECS Ecological Marine Units from near Cape Elizabeth in Washington State to the Canadian border	None	None	None	Geoform	Substrate		None	None	None	None	None	None	2014	Northwest Indian Fisheries Commission; Nature Serve	https://drive.google.com/file/d/0B7QI-g0n4iR3cWTRWaW-JmNmtmcGhWdC1tO-FlvWmNaREdXVfVv/view?resource-key=0-pZq6sdMgflk-BEr9NhJ8h5A	https://nwifc.maps.arcgis.com/apps/Cascade/index.html?appid=8ee7967fbb-5f43948a803438b07938b8	https://geo.nwifc.org/downloads/CMECS_EMU_Data.zip	None	None	-125.137	47.870
Olympic Coast National Marine Sanctuary Seafloor and Habitat Mapping	CMECS-classified substrate maps for the Washington State Outer Coast	None	None	None	None	Substrate	None	None	None	None	None	None	None	2003	Oregon State University; NOAA Northwest Fisheries Science Center; Bureau of Ocean Energy Management	https://olympiccoast.noaa.gov/science/habitatmapping/habitatmapping.html	None	https://olympiccoast.noaa.gov/library/gis/seahabmap/arc-gis-map.mpk	None	None	-124.952	47.995
Oregon Coastal Atlas Estuary Data Viewer	An interactive map viewer developed to support Oregon's statewide spatial planning efforts that includes CMECS-classified estuarine habitat maps	Aquatic	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	2014	Oregon Department of Land Conservation and Development	https://www.coastalatlantlas.net/index.php/tools/planners/63-estuary-data-viewer	https://www.coastalatlantlas.net/documents/cmecs/PhaseII/EPsm_Core_Methods_PhaseII_20181231.pdf	https://www.coastalatlantlas.net/index.php/search	None	None	-124.175	44.116

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Shallow benthic habitats of San Francisco Bay, California CMECS Geodatabase	CMECS-classified benthic habitat maps for shallow waters in San Francisco Bay	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	2010 - 2011	NOAA Office for Coastal Management; California State Coastal Conservancy	https://www.fisheries.noaa.gov/inport/item/47857	None	https://coast.noaa.gov/hdata/Benthic/Benthic_Cover_Data/CMECS/ca_sfb11.zip	None	None	-122.306	37.703
South Atlantic Bight Marine Ecoregional Assessment	CMECS-classified benthic habitat maps for the South Atlantic Bight showing the baseline distribution and status of seafloor habitats and coastal systems	None	None	Water Column	Geoform	Substrate	None	Slope	None	None	None	None	None	2017	The Nature Conservancy; South Atlantic Landscape Conservation Cooperative; Southeast Coastal Ocean Observing Regional Association; Governors' South Atlantic Alliance	https://www.conservationsgateway.org/ConservationByGeography/NorthAmerica/UnitedStates/edc/reportsdata/marine/sabma/sabma/Pages/default.aspx	None	https://www.conservationsgateway.org/ConservationByGeography/NorthAmerica/UnitedStates/edc/reportsdata/marine/sabma/sabma/Pages/Reports-and-Data.aspx	None	None	-79	32
South Manitou Island Benthic Habitat	Benthic habitat maps derived from photointerpretation, object-based image analysis, field verification, and expert manual interpretation that include CMECS Substrate and Biotic Components for South Manitou Island, Lake Michigan	None	None	None	None	Substrate	Biotic	Percent Cover	Induration	Surface Pattern	None	None	Yes	2016	National Park Service; NOAA Office for Coastal Management	https://www.fisheries.noaa.gov/inport/item/53371	None	https://coast.noaa.gov/hdata/Benthic/Benthic_Cover_Data/CMECS/mi_smi16.zip	None	None	-86.135	44.988

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Standardized Geomorphic Classification of Seafloor Within the United States Atlantic Canyons and Continental Margin	CMECS applied to automated segmentation processing of high resolution bathymetry data to derive geomorphic features for baseline characterization of deep sea canyons of the US Atlantic Extended Continental Shelf	None	None	None	Geoform	None	None	None	None	None	None	None	None	2020	University of New Hampshire Center for Coastal and Ocean Mapping; NOAA Office of Ocean Exploration and Research; NOAA Office of Coast Survey	https://www.frontiersin.org/articles/10.3389/fmars.2020.00009/full	None	None	None	None	-69	40
Submerged Aquatic Vegetation of Bogue Sound, North Carolina	Habitat map of submerged aquatic vegetation originally classified using the System for Classification of Habitats in Estuarine and Marine Environments (SCHEME), cross-walked to CMECS	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	1992	NOAA National Center for Coastal Ocean Science	https://www.fisheries.noaa.gov/inport/item/47913	None	https://coast.noaa.gov/hdata/Benthic/Benthic_Cover_Data/CMECS/nc_bs92.zip	None	None	-76.889	34.709
Submerged Marine Habitat Mapping, Assateague Island National Seashore	Post-Hurricane Sandy CMECS benthic habitat maps for the Assateague Island National Seashore	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	2014 - 2015	National Park Service	https://irma.nps.gov/DataStore/Reference/Profile/2257860	None	https://irma.nps.gov/DataStore/Reference/Profile/2257860	None	None	-75.242	38.096
Submerged Marine Habitat Mapping, Cape Cod National Seashore	Post-Hurricane Sandy CMECS benthic habitat classification maps for the Cape Cod National Seashore, Massachusetts	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	2019 - 2020	National Park Service	https://irma.nps.gov/DataStore/Reference/Profile/2257863	None	https://irma.nps.gov/DataStore/Reference/Profile/2257863	None	None	-70.099	41.895
Submerged Marine Habitat Mapping, Fire Island National Seashore	Post-Hurricane Sandy CMECS benthic habitat classification maps for the Fire Island National Seashore, New York	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	2014 - 2015	National Park Service	https://irma.nps.gov/DataStore/Reference/Profile/2257865	None	https://irma.nps.gov/DataStore/Reference/Profile/2257865	None	None	-73.018	40.693

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Submerged Marine Habitat Mapping, Gateway National Recreation Area	Post-Hurricane Sandy CMECS benthic habitat mapping derived from repeated vessel-mounted and AUV acoustic surveys and grab samples for the Sandy Hook Gateway National Recreation Area	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	2019	National Park Service	https://irma.nps.gov/DataStore/Reference/Profile/2257867	None	https://irma.nps.gov/DataStore/Reference/Profile/2257867	None	None	-74.003	40.441
West Coast USA Estuarine Biotic Habitat	CMECS-classified biotic habitat maps for West Coast estuaries	None	None	None	None	None	Biotic	None	None	None	None	None	None	2020	Pacific Marine & Estuarine Fish Habitat Partnership	https://www.pacificfishhabitat.org/	None	https://www.pacificfishhabitat.org/data/estuarine-biotic-habitat	https://psmfc.maps.arcgis.com/apps/webappviewer/index.html?id=f25b8d-649f2a46cbafc5c66fe21c-99de	https://estuaries.pacificfishhabitat.org/compare	-124.221	38.803
Willapa Bay, Washington Benthic Habitats 1995 Geodatabase	GIS layers originally classified with the System for Classifying Habitats in Estuarine and Marine Environments (SCHEME) crosswalked to CMECS using the CMECS Crosswalk Tool for Willapa Bay, WA	None	None	None	Geoform	Substrate	Biotic	None	None	None	None	None	None	1995 - 1997	Columbia River Estuary Study Taskforce (CREST); Washington Department of Natural Resources; NOAA Office for Coastal Management	https://www.fisheries.noaa.gov/inport/item/47993	None	https://coast.noaa.gov/hpdata/Benthic/Benthic_Cover_Data/CMECS/wa_wb95.zip	None	None	-123.978	46.559