

National Coral Reef Monitoring Program (NCRMP) Socioeconomic Component

USVI Survey Codebook

Variable	Variable Description	Code Description
Phone case	ID code assigned by contractor to phone surveys	Numeric
In-person case	ID code assigned by contractor to in person surveys	Numeric
surveyID	ID code assigned to each respondent	Numeric
Weight	Post stratification sampling weight assigned to each respondent	Continuous
Weight (norm)	Normalized post stratification sampling weight assigned to each respondent	Continuous
survey_lang	Language survey was conducted in	Open-ended
Sample	Sampling mode	In-person or phone
geo	Geography of residence	St. Thomas St. John St. Croix
How often do you usually participate in each of the following activities?		
activity_1	Swimming/wading	1 = never 2 = once a month or less 3 = 2-3 times a month 4 = 4 times a month or more 7 = no response 8 = not sure 9 = refused
activity_2	Snorkeling	
activity_3	SCUBA Diving	
activity_4	Waterside/ beach camping	
activity_5	Beach recreation (beach sports, picnics, sunbathing, general beachgoing)	
activity_6	Motorized Boating	
activity_8	Gathering of marine resources (non-finish such as lobsters, conch, seaweed, etc.)	
activity_11	“Stand up paddle boarding, surfing, windsurfing, or kitesurfing	
activity_14	Non-motorized boating	
Activity_16	Fishing from shore (spear, cast net, gill net, drag net)	
Activity_17	Fishing or harvesting from a boat or kayak (rod and reel, trolling, free diving, scuba spear)	
How often do you fish or harvest marine resources for each of the following reasons?		

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fish_1	To feed myself and my family/ household	1 = never 2 = rarely 3 = sometimes 4 = frequently 7 = no response 8 = not sure 9 = refused
fish_2	To sell	
fish_3	To give to extended family members and/or friends	
fish_4	For fun	
fish_5	For special occasions and cultural events	
consume	How often do you or your family eat fish/seafood?	1 = never 2 = less than once a month 3 = 1-3 times a month 4 = about once a week 5 = a few times a week 6 = every day 8 = not sure 9 = refused
source_a	Where do you get the fish or seafood your family eats? Please pick the top 2. (1 st . SOURCE)	1 = Purchased by myself or someone in my household at a store or restaurant 2 = Purchased by myself or someone in my household at a market or roadside vendor 3 = Caught by myself or someone in my household 4 = Caught by extended family members 5 = Caught by friends or neighbors 6 = Other, please specify 8 = Not Sure 9 = Refused

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source_b	What are the two main sources of the fish and seafood that you and your family eats? (2 nd SOURCE)	1 = Purchased by myself or someone in my household at a store or restaurant 2 = Purchased by myself or someone in my household at a market or roadside vendor 3 = Caught by myself or someone in my household 4 = Caught by extended family members 5 = Caught by friends or neighbors 6 = Other, please specify 8 = Not Sure 9 = Refused
source_c	Specify other source of seafood	Open-ended
Consume_reef	Now we know that we have asked you a similar question before. But now we are specifically interested in seafood harvested from coral reefs. How often does your family eat fish/seafood that is harvested from coral reefs?	1 = never 2 = less than once a month 3 = 1-3 times a month 4 = about once a week 5 = a few times a week 6 = every day 8 = not sure 9 = refused
Lionfish	Do you or your family consume lionfish?	1 = no 2 = yes 8 = not sure
In your opinion, how are <i>the jurisdiction's</i> marine resources currently doing? Please rank from very bad to very good.		
condition_1	Ocean Water Quality (clean and clear)	1 = very bad 2 = bad 3 = neither bad nor good 4 = good 5 = very good 8 = not sure 9 = refused
condition_2	Amount of Coral	
condition_3	Number of Fish	
Condition_11	Health of coral	
Condition_12	Amount of marine debris or trash	
How would you say the condition of each of the following has changed over the last 10 years: Please indicate if it has gotten a lot worse, somewhat worse, no change, somewhat better, or a lot better.		
last10_1	Ocean Water Quality (clean and clear)	1 = a lot worse 2 = somewhat worse 3 = no change 4 = somewhat better 5 = a lot better
last10_2	Amount of Coral	
last10_3	Number of Fish	
Last10_11	Health of coral	

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Last10_12	Amount of marine debris or trash	8 = not sure 9 = refused
next10	In the next 10 years, do you think the condition of the marine resources in <i>the jurisdiction</i> will get worse, stay the same or improve?	1 = Get worse 2 = Stay the same 3 = Improve 8 = Not sure 9 = Refused
Please say whether you disagree or agree with each of the following statements.		
value_1	Coral reefs protect <i>the jurisdiction</i> from erosion and natural disasters.	1 = strongly disagree 2 = disagree 3 = neither agree nor disagree 4 = agree 5 = strongly agree 8 = not sure 9 = refused
value_2	Coral reefs are only important to fishermen, divers and snorkelers.	
value_4	Coral reefs are important to <i>the jurisdiction's</i> cultures.	
value_5	Coral reefs in good condition provide food for island communities to eat.	
How familiar are you with each of the following potential threats facing the coral reefs in <i>the jurisdiction</i> ?		
threatfam_1	Climate change	1 = very unfamiliar 2 = unfamiliar 3 = neither familiar nor unfamiliar 4 = familiar 5 = very familiar 8 = not sure 9 = refused
threatfam_2	Coral bleaching	
threatfam_3	Hurricanes (or typhoons) and other natural disasters	
threatfam_4	Pollution (stormwater, wastewater, chemical runoff, trash/littering)	
threatfam_5	Coastal/urban development	
threatfam_6	Invasive species	
threatfam_7	Overharvesting	
threatfam_8	Damage from ships and boats	
threatfam_11	Snorkeling and diving	
Threatfam_15	Open dumping or littering	
threatlvl	Do you believe that the threats to coral reefs in <i>the jurisdiction</i> are:	1 = none 2 = minimal 3 = moderate 4 = large 5 = extreme 8 = not sure 9 = refused

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MPAfam	A Marine Protected Area is an area of the ocean where human activity is typically restricted to protect living, non-living, cultural, and/or historic resources. How familiar are you with Marine Protected Areas (MPAs)?	1 = very unfamiliar 2 = unfamiliar 3 = neither unfamiliar nor familiar 4 = familiar 5 = very familiar 8 = not sure 9 = refuse
MPAuse_1	MPAs protect coral reefs	1 = strongly disagree 2 = disagree 3 = neither agree nor disagree 4 = agree 5 = strongly agree 8 = not sure 9 = refuse
MPAuse_2	MPAs increase the number of fish	
MPAuse_3	There should be fewer MPAs in <i>the jurisdiction</i>	
MPAuse_4	There should be more MPAs in <i>the jurisdiction</i>	
MPAuse_5	There has been economic benefit to <i>the jurisdiction</i> from the establishment of MPAs	
MPAuse_6	Fishermen's livelihoods have been negatively impacted from the establishment of MPAs in <i>the jurisdiction</i>	
MPAuse_7	MPAs help increase tourism in <i>the jurisdiction</i>	
MPAuse_8	The establishment of MPAs increases the likelihood that people will vacation in <i>the jurisdiction</i>	
MPAuse_9	I would support adding new MPAs in <i>the jurisdiction</i> if there is evidence that the ones we have are improving <i>the jurisdiction's</i> marine resources	
MPAuse_10	I generally support the establishment of MPAs	
mngmnt_4	More restrictions on construction practices to prevent sediment going to sea	1 = strongly disagree 2 = disagree 3 = neither agree nor disagree 4 = agree 5 = strongly agree 8 = not sure 9 = refuse
Mngmnt_26	Size limits for certain fish species	
Mngmnt_30	Impose a license requirement and fee for land-based recreational fishers	

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Mngmnt_31	Charge a small fee to non-residents visiting locally managed MPA to fund conservation	
Mngmnt_32	Increased enforcement of wastewater and stormwater regulations to preserve water quality	
Mngmnt_33	Amending building regulations to consider sea level rise and climate impacts	
envbehavior	How often do you participate in any activity to protect the environment (for example, beach clean ups or volunteering with an environmental group)? Would you say...	1 = not at all 2 = once a year or less 3 = several times a year 4 = at least once a month 5 = several times a month or more 8 = not sure 9 = refused
infosource_a	Which of the following would you consider to be your top 3 sources of information about coral reefs and the environment in <i>the jurisdiction</i> ? (1 st source)	1 = newspapers, other print publications 2 = radio 3 = TV 4 = internet 5 = social media 6 = friends and family 7 = community leaders 8 = Dive and bait shop owners/employees 9 = State and/or County/Jurisdiction governments 10 = Federal government agencies (NOAA, EPA) 11 = Non-profit organizations 12 = Other 13 = None specified 14 = Religious leaders 98 = don't know 99 = refused
infosource_b	Which of the following would you consider to be your top 3 sources of information about coral reefs and the environment in <i>the jurisdiction</i> ? (2 nd source)	
infosource_c	Which of the following would you consider to be your top 3 sources of information about coral reefs and the environment in <i>the jurisdiction</i> ? (3 rd source)	
infosource_d	Other specify	Open-ended
sourcetrust_1	Newspapers, other print publications	1 = very untrustworthy 2 = untrustworthy 3 = neither trustworthy nor untrustworthy 4 = trustworthy
sourcetrust_2	Radio	
sourcetrust_3	TV	
sourcetrust_4	Internet	

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sourcetrust_5	Friends and family	5 = very trustworthy 8 = not sure 9 = refused
sourcetrust_6	Community leaders	
sourcetrust_7	State and/or County/Jurisdiction governments	
sourcetrust_8	Federal government agencies (NOAA, EPA)	
sourcetrust_9	Non-profit organizations	
sourcetrust_10	Other 1	
sourcetrust_14	Social media	1 = Not at all involved 2 = Somewhat involved 3 = Moderately involved 4 = Involved 5 = Very involved 8 = Not sure 9 = Refused
comminvolve	How involved is the local community in protecting and managing coral reefs?	
decisions	How involved are you in making decisions related to the management of coral reefs in <i>the jurisdiction?</i>	
sex	Are you male or female?	1 = male 2 = female 9 = refused/no response
age	What is your year of birth?	Four-digit year; 9999 = refused
tenure	How long have you lived in <i>the jurisdiction?</i>	continuous
Part_croix	Which part of the island do you live in? (Asked of those who live on St. Croix)	Open ended
Part_john	Which part of the island do you live in? (Asked of those who live on St. John)	Open ended
Part_thomas	Which part of the island do you live in? (Asked of those who live on St. Thomas)	Open ended

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Estate_croix	Which estate do you live in? (Asked of those who live on St. Croix)	Open ended
Estate_john	Which estate do you live in? (Asked of those who live on St. John)	Open ended
Estate_thomas	Which estate do you live in? (Asked of those who live on St. Thomas)	Open ended
language_1	English	1 = True 0 = False
language_2	Spanish	
language_3	French	
language_4	German	
language_5	Italian	
language_6	Portuguese	
language_8	Chinese	
language_11	Tagalog	
language_12	Hindi	
language_18	Creole	
language_21	Other	
language_22	Other Specify	
language_23	Q22 refused	
language_25	Vietnamese	
Language_26	Danish	
Language_27	Haitian creole	
Language_28	St. Lucian creole	
Language_29	Dominica creole	
Language_30	Mandarin	
race_1	American Indian or Alaskan Native	1 = True 0 = False
race_2	Asian	
race_3	Black or African American	
race_4	Puerto Rican	
race_7	Chinese	
race_8	Cuban	
race_9	Filipino	
race_10	Japanese	
race_11	White	
race_12	Korean	
race_13	Mexican	
race_14	Native Hawaiian or other Pacific Islander	
race_16	Taino	
race_17	Thai	
race_19	Vietnamese	

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race_20	Other/Mixed	
race_22	No response	
race_23	Hispanic or Latino	
educ	What is the highest level of education you have completed?	1 = 8th Grade or Less 2 = Some high school 3 = High School Graduate, GED 4 = Some college, community college or AA 5 = College Graduate 6 = Graduate School, Law School, Medical School 8 = No response 9 = Refused
employ	What is your current employment status?	1 = Unemployed 2 = Student 3 = Employed full-time 4 = Homemaker 5 = Employed part-time 6 = Retired 7 = None of the above: Please specify 8 = No response 9 = Refused
employ_specify	Specify none of the above	Open-ended
hhincome	May I ask, what is your annual household income?	1 = Under \$10,000 2 = \$10,000-19,999 3 = \$20,000-29,999 4 = \$30,000-39,999 5 = \$40,000-49,999 6 = \$50,000-59,999 7 = \$60,000-74,999 8 = \$75,000-99,999 9 = \$100,000-149,999 10 = \$150,000 or More 11 = No response 98 = Not Sure 99 = Refused