

National Coral Reef Monitoring Program (NCRMP) Socioeconomic Component

Hawaii Survey Codebook

Variable Name	Variable Description	Code Description
surveyID	Unique ID code assigned to each response	Numeric
Weight_norm	Normalized post stratification sampling weight assigned to each respondent	Numeric
geo	Geography of residence	1 = Oahu Island 2 = Hawaii Island 3 = Maui Island 4 = Kauai Island 5 = Molokai Island 6 = Lanai Island
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	Diving (SCUBA or free diving)	
activity_4	Waterside/ beach camping	
activity_5	Beach recreation (beach sports, picnics, sunbathing, general beach going)	
activity_6	Boating	
activity_13	Wave riding (surfing, stand up paddle boarding, body boarding)	
activity_14	Canoeing or kayaking	
activity_7	Fishing (finfish)	
activity_8	Gathering of marine resources (non-finish such as lobsters, conch, seaweed, etc.)	
How often do you fish or harvest marine resources for each of the following reasons?		
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	

Variable Name	Variable Description	Code Description
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
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
Source_1	Purchased by myself or someone in my household at a store or restaurant	1=respondent uses source 0=respondent does not use

Variable Name	Variable Description	Code Description
Source_2	Purchased by myself or someone in my household at a market or roadside vendor	source 9=no response/refuse
Source_3	Caught by myself or someone in my household	
Source_4	Caught by extended family members	
Source_5	Caught by friends or neighbors	
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
condition_2	Amount of Coral	3 = neither bad nor good
condition_3	Number of Fish	4 = good
condition_7	Diversity of fish	5 = very good 8 = not sure
condition_8	Size of fish	9 = refused
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
last10_2	Amount of Coral	3 = no change
last10_3	Number of Fish	4 = somewhat better
last10_7	Diversity of fish	5 = a lot better
last10_8	Size of fish	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
value_2	Coral reefs are only important to fishermen, divers and snorkelers.	4 = agree 5 = strongly agree 8 = not sure
value_3	Healthy coral reefs attract tourists to <i>the jurisdiction</i> .	9 = refused
value_4	Coral reefs are important to <i>the jurisdiction's</i> cultures.	

Variable Name	Variable Description	Code Description
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	Too much fishing and gathering	
threatfam_8	Damage from ships and boats	
threatfam_12	Impacts from recreational activity (examples include trampling of reefs, anchor damage)	
threatfam_13	Ocean acidification	1 = none 2 = minimal 3 = moderate 4 = large 5 = extreme 8 = not sure 9 = refused
threatlvl	Do you believe that the threats to coral reefs in <i>the jurisdiction</i> are:	
MPAfam	A Marine Managed Area is an area of the ocean where human activity is typically restricted to protect living, non-living, cultural, and/or historic resources. Examples in Hawaii include marine life conservation districts, fisheries management areas, and community based subsistence fishing areas. How familiar are you with Marine Managed Areas?	1 = very unfamiliar 2 = unfamiliar 3 = neither unfamiliar nor familiar 4 = familiar 5 = very familiar 8 = not sure 9 = refuse
The following are proposed or existing management strategies used to manage the marine environment in <i>the jurisdiction</i>. We are interested in your opinion about the use of these strategies to improve the protection of coral reefs. Please indicate how much you disagree or agree with each of the following:		
mngmnt_20	Better regulation of land use practices to prevent sediment from going to sea	1 = strongly disagree 2 = disagree 3 = neither agree nor disagree

Variable Name	Variable Description	Code Description
mngmnt_2	Limits per person for certain fish species (size and amount)	4 = agree 5 = strongly agree 8 = not sure 9 = refused
mngmnt_13	Seasonal openings/closures of fisheries	
mngmnt_21	Gear restrictions for fishing	
mngmnt_22	Better treatment of wastewater	
mngmnt_11	Law enforcement of existing rules/regulations	
mngmnt_12	Community participation in management	
mngmnt_15	Marine zoning	
mngmnt_16	Designated marine protected area	
mngmnt_17	Limited use for recreational activities (fishing, diving, snorkeling, boating)	
mngmnt_19	No-take zones	
mngmnt_23	Establishment of a non-commercial fishing license	
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
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)	6 = friends and family 7 = community leaders 8 = Dive and bait shop owners/employees

Variable Name	Variable Description	Code Description
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)	9 = State and/or County/Jurisdiction governments 10 = Federal government agencies (NOAA, EPA) 11 = Non-profit organizations 12 = Other 13 = None specified (q14b and q14c only) 14 = Religious leaders 98 = don't know 99 = refused
Infosource_1	Newspaper info source	1 = uses info source 0 = does not use info source
Infosource_2	Radio info source	
Infosource_3	TV info source	
Infosource_4	Internet info source	
Infosource_6	Friends/family info source	
Infosource_7	Community leader info source	
Infosource_15	Religious leaders info source (church leader for AS)	
Infosource_9	State and/or County/Jurisdiction governments info source	
Infosource_10	Federal government agencies (NOAA, EPA) info source	
Infosource_11	Non-profit organizations info source	
To what degree do you trust each of your top rated sources of information to provide you the most accurate information on coral reefs and coral reef related topics in <i>the jurisdiction</i> ?		
sourcetrust_1	Newspapers, other print publications	1 = very untrustworthy 2 = untrustworthy 3 = neither trustworthy nor untrustworthy 4 = trustworthy 5 = very trustworthy 8 = not sure 9 = refused
sourcetrust_2	Radio	
sourcetrust_3	TV	
sourcetrust_4	Internet	
sourcetrust_5	Friends and family	
sourcetrust_6	Community leaders	
sourcetrust_13	Religious leaders	
sourcetrust_7	State and/or County/Jurisdiction governments	
sourcetrust_8	Federal government agencies (NOAA, EPA)	

Variable Name	Variable Description	Code Description
sourcetrust_9	Non-profit organizations	
sourcetrust_10	Other info source	
comminvolve	How involved is the local community in protecting and managing coral reefs?	1 = Not at all involved 2 = Somewhat involved 3 = Moderately involved 4 = Involved 5 = Very involved 8 = Not sure 9 = Refused
commdefine	In thinking about the previous question (<i>comminvolve</i>), how would you briefly define "your local community"?	Open-ended
decisions	How involved are you in making decisions related to the management of coral reefs in <i>the jurisdiction</i> ?	1 = Not at all involved 2 = Slightly involved 3 = Moderately involved 4 = Involved 5 = Very involved 8 = Not sure 9 = Refused
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> ?	1 = 1 year or less 2 = 2-5 years 3 = 6-10 years 4 = more than 10 years 5 = all my life 9 = Refused
Including your primary language, please name each language you speak		
language_1	English	1 = True 0 = False
language_2	Spanish	
language_3	French	
language_24	Ilocano	
language_25	Vietnamese	
language_8	Chinese	
language_9	Japanese	
language_10	Korean	
language_11	Tagalog	
language_13	Hawaiian	
language_14	Hawaii Pidgin English	

Variable Name	Variable Description	Code Description
language_15	Samoan	
language_16	Chamorro	
language_17	Carolinian	
language_20	Tongan	
language_21	Other	
language_22	Other Specify	Open ended
language_23	Refused to answer	1 = True 0 = False
Which race/ethnicity do you consider yourself?		
race_11	White	1 = True 0 = False
race_14	Native Hawaiian or other Pacific Islander	
race_7	Chinese	
race_10	Japanese	
race_9	Filipino	
race_12	Korean	
race_19	Vietnamese	
race_25	Other Asian	
race_31	Micronesian (includes Chuukese, Kosraean, Marshallese, Palauan, Pohnpeian, Yapese, Carolinian, Chamorro, and others)	
race_15	Samoan	
race_18	Tongan	
race_28	Other Pacific Islander	
race_3	Black or African American	
race_1	American Indian or Alaskan Native	
race_23	Hispanic or Latino	
race_20	Other/Mixed	
race_22	No response	
race_26	Other Asian Specify	Open ended
race_29	Other Pacific Islander specify	Open ended
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

Variable Name	Variable Description	Code Description
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
occup	What is your occupation?	Open-ended
occup_explain	Explain you occupation	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