Text A1. Household and key informant surveys

**HOUSEHOLD SURVEY**

Survey number:

Interviewer name:

Lat/Long:

**Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Province \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**District \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ House name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Village \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Respondent’s name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

*Thank you for reviewing the informed consent before starting the interview*

**DEMOGRAPHICS**

**1a**. Where are you from? (*Interviewer to circle* ***only one*** *option below based on above question. Choose the most specific)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| This village | This district | Coastal area other than this district | This country (not coastal area) | Other country |

**1b.** Years lived in this village?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **2.** Age (years): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**3.** What was the highest level of formal education that you completed?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**4.** Clan/ethnicity:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **5.** Religion: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**6.** Marital status? ☐Single ☐Married ☐Widowed

**7.** Household head ?☐YES ☐NO **8.** Gender ☐Male ☐Female

**9.** How many community organisations are you involved in? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**10.** How many people are currently in your household, including yourself?
*(Please write down the number of people in each group. Note that this includes the RESPONDENT.
Adults and children are decided by the respondent)*

|  |  |  |  |
| --- | --- | --- | --- |
| a. Adult male | b. Adult female | c. Male children | d. Female children |

**LIVELIHOODS**

**11a.** What activities do you do that brings in food or money to your house? What do other people in your house do that brings in food or money to your house? (*Tick the livelihood activities that respondent does, then write the number of people who undertake different activities in the household, then rank the importance for household*

|  |  |  |  |
| --- | --- | --- | --- |
| Livelihood activity | a. Tick livelihoods of RESPONDENT (Circle their primary livelihood) | # of people in HOUSEHOLD involved in activity | d. Rank importance for HOUSEHOLD |
| b. Women | c. Men |
| Fishing and gleaning |  |  |  |  |
| Fish trading / selling |  |  |  |  |
| Aquaculture / Mariculture |  |  |  |  |
| Hunting |  |  |  |  |
| Farming – subsistence (e.g. household gardens, livestock) |  |  |  |  |
| Farming – commercial, sell products |  |  |  |  |
| Salaried employment (e.g. teacher, nurse) |  |  |  |  |
| Tourism and handicrafts |  |  |  |  |
| Small business  |  |  |  |  |
| Other: |  |  |  |  |
| Other: |  |  |  |  |

**11e.** Is fishing the primary livelihood of the respondent?☐YES ☐NO

**12.** *If* ***respondent is a fisher*** *ask them:* How much do you agree with this statement? *(Please circle* ***one*** *option):* “I could easily stop fishing, and make my living on land”

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Strongly disagree | Somewhat disagree | Neither  | Somewhat agree | Strongly agree |

**FISHING AND MARINE RESOURCE MANAGEMENT**

*If household does NOT fish*, *please* ***skip to Q17.***

**13a.** Which fishing gears does your HOUSEHOLD use?

*(Circle the gears that the household uses.* ***Circle multiple gears*** *if necessary)*

|  |  |  |  |
| --- | --- | --- | --- |
| **Gear** | **Circle gear used** | **Gear** | **Circle gear used** |
| Handline (inshore / reef) | X | Purse seine net | X |
| Handline (offshore / blue water) | X | Hand spear | X |
| Multiple hooks (more than 20)  | X | Spear gun | X |
| Trolling line | X | Fish trap | X |
| Mesh gill net, above 5cm (2 inches) | X | Explosives / Poison  | X |
| Mesh gill net, below 5cm (2 inches)  | X | Gleaning | X |
| Mosquito nets | X | Other (specify):  | X |
| Small/beach seine net (nets dragged along substrate) | X | Other (specify):  | X |

**13b.** Which of these fishing gears is the **MOST IMPORTANT** to your household?

 Most important gear: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**14.** If ***respondent is not a fisher*** *skip to Q17. If* ***respondent is a fisher*** *ask*: I realize that some days you catch a lot of **finfish**, while other days you may not catch many finfish. a. **On a normal day**, how much do you catch? b. How many hours do you spend fishing? c. How much is that catch worth? d. Do you fish with a crew? If so, how many people do you fish with?

|  |  |  |
| --- | --- | --- |
| a. Catch  | ☐bundles ☐pieces ☐kgs | d. Number of people in crew:☐Don’t fish with crewOR#crew members: |
| b. # hours (fishing and travelling) |  |
| c. Total value of catch (local currency) |  |

**15.** Typically, what percentage of your catch from fishing or gleaning do you **eat, sell or giveaway**?

(a)\_\_\_\_\_\_\_\_\_% eat (b) \_\_\_\_\_\_\_\_\_% sell (c) \_\_\_\_\_\_\_\_\_ % giveaway ☐Don’t know

**16*.***If you were to get 50% less catch **all year** what would you do? (*Do* ***not provide*** *respondents with answers. (Circle* ***multiple boxes*** *if necessary*)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Keep fishing at same amount | Fish more often | Changefishing grounds | Change fishing gears | Fish less & switch to other livelihood | Stop fishing entirely |
| Other (specify):  |

**17.** In general, how often do you and your household eat locally caught fish or other seafood that was caught by you or someone in your community? (*Please**circle* ***one*** *option*)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| More than once per day | Once per day | More than once per week | Once per week | More than once per month |

**18**. Over the past 5 years has the number of fish in the sea around here changed? *(If respondent says ‘no’, circle ‘no change’, if respondent says yes, ask* **If so, how has it changed**? *(Please circle* ***one*** *option)*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Decreasing a lot | Decreasing | No change | Increasing | Increasing a lot | Don’t know |

**19a.** What can be done to increase the number of fish in the sea around here? *(Write down main key words and* ***indicate if human management activity is mentioned*** *(e.g. reducing fishing, changing gears etc.)*

**19b.** Human management actions were mentioned? YES [ ]  NO [ ]

**20.** In general, how much do you trust the following people? (*Circle* ***one*** *option for each group).*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Not at all | Distrust more people than trust | About half-half | Trust more people that distrust | Trust all |
| a. People in your village | x | X | X | X | x |
| b. Village leaders | x | X | X | X | x |
| c. Marine resource management group | x | X | X | X | x |
| d. NGOs | x | X | X | X | x |
| e. Government  | x | X | X | X | x |

**21.** I’m interested in learning about some of the rules and traditions about fishing here.
**a.** Are there places where people are not supposed to fish, not use certain gears, etc.? b.Who created the rules? c. Do people still fish there? If so, how many people? *(Interviewer: please* ***fill out first row*** *before moving to next row, i.e. ask A-C for places where people are not supposed to fish followed by A-C for fishing gears that people are not supposed to use).*

|  |  |  |  |
| --- | --- | --- | --- |
| **Rule** | **(a) Description of rules, e.g. what gears are not used etc.** | **(b) Who created the rules?** *(tick multipl****e*** *boxes if necessary)* | **(c) Do people still fish there? If so, how many?** *(tick one box)* |
| **Places** where people are not supposed to fish  | * Not present
 | * Fishers/local users
* NGO
* Government
* Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Don’t know
 | * No one
* A few
* About half
* Most
* Everyone
* Don’t know
 |
| Certain **fishing gears** that people are not supposed to use  | * Not present
 | * Fishers/local users
* NGO
* Government
* Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Don’t know
 | * No one
* A few
* About half
* Most
* Everyone
* Don’t know
 |
| Certain **times** that people are not supposed to fish | * Not present
 | * Fishers/local users
* NGO
* Government
* Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Don’t know
 | * No one
* A few
* About half
* Most
* Everyone
* Don’t know
 |
| Certain **species or types of fish** that people are not supposed to catch | * Not present
 | * Fishers/local users
* NGO
* Government
* Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Don’t know
 | * No one
* A few
* About half
* Most
* Everyone
* Don’t know
 |
| Other, please describe:  | * Not present
 | * Fishers/local users
* NGO
* Government
* Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Don’t know
 | * No one
* A few
* About half
* Most
* Everyone
* Don’t know
 |

**22a.** In general, does management affect this **COMMUNITY**? [ ]  Yes [ ]  No

(*If respondent answers no, prompt by saying ‘****so management has no positive or negative impacts on this community?****’ If still no,* ***skip to question 23****. If respondent answers yes, continue.)*

**22b.** What are the positive impacts of management for this **COMMUNITY**?

**22c.** What are the negative impacts of management on this **COMMUNITY**?

**22d.** Considering these positive and negative impacts, what is the overall level of impact of management on this community?(*Circle appropriate level*)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Very bad | Bad | Neutral | Good | Very good |

**23a.** In general, does management affect **YOU**? [ ]  Yes [ ]  No

(*If respondent answers no, prompt by saying ‘****so management has no positive or negative impacts on you?****’ If still no,* ***skip to question 24****. If respondent answers yes, continue.)*

**23b.** What are the positive impacts of management for **YOU**?

**23c.** What are the negative impacts of management on **YOU**?

**23d.** Considering these positive and negative impacts, what is the overall level of impact of management on you?(*Circle appropriate level*)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Very bad | Bad | Neutral | Good | Very good |

**24.** Who is most **positively** affected by management here and why?

**25.** Who is most **negatively** affected by management here and why?

**26.** a.In general, do you think the distribution of the positive and negative impacts from the management here is fair? *(Please refer to the previous 2 questions and circle* ***one*** *option)*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Very unfair | Unfair | Neither | Fair | Very fair | Don’t know |

b. Why?

**27.** In general, do you think management has affected the **NUMBER** of fish?

If yes, how has the number of fish been affected? *(Please circle* ***one*** *option)*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| A lot less | Somewhat less | No change | Somewhat more | A lot more | Don’t know |

**28.** In general, do you think management has made it easier or harder to catch fish
(in terms of time, effort, or travel distance)? (*Please circle* ***one*** *option*)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Much harder | Harder | Neither | Easier | Much easier | Don’t know |

**29.** In general, do you think management has affected the reliability of what you can catch?

If yes, how has it changed the reliability? (*Please circle* ***one*** *option*)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| A lot less reliable | Less reliable | No change | More reliable | A lot more reliable | Don’t know |

**30.** a. In general, do you support/agree with the management here? (*Please circle* ***one*** *option*)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Very unsupportive | Unsupportive | Neutral | Supportive | Very supportive |

b. Why?

**31.** Currently, are you involved in decisions about marine resource use or managing marine resources? For example, have you been to any meetings about marine resources? If yes, how? *(Please circle* ***one*** *option. Interviewer to decide level of participation, not that ‘passive’=if attends meetings but does not talk; ‘active’ =if talks at meetings)*

|  |  |  |  |
| --- | --- | --- | --- |
| Not involved | Passive | Active | Leadership role |

**32.** How much do you agree or disagree with this statement: *(Please circle* ***one*** *option)*

“People like me have influence on management of marine resources.”

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Strongly disagree | Disagree | Neither | Agree | Strongly agree |

**33.** a. In general, do you think **THE WAY** that decisions are made about marine resource use and management are fair? *(Please circle* ***one*** *option)*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Very unfair | Unfair | Neither | Fair | Very fair | Don’t know |

b. Why? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**34.** Is there any conflict over marine resources here? If yes, how often does this conflict occur? *(Please circle* ***one*** *option)*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No conflict | Daily | Weekly | Monthly | More than once per year | Less than once per year | Don’t know |

**35.** Material Style of Life and owned assets. *Please* ***tick all the household items or facilities*** *present in the household. Also* ***record the number of each asset*** *owned by the household.*

|  |  |  |
| --- | --- | --- |
| **Cooking pots** * Yes No

How many:  | **Radios/cassette/CD*** Yes No

How many: | **DVD / VCD players*** Yes No

How many:  |
| **Mattresses*** Yes No

How many: | **Mobile phone** (not smartphone)* Yes No

How many: | **Smartphones or tables*** Yes No

How many: |
| **Flushing toilet*** Yes No

How many: | **Electric fan*** Yes No

How many: | **Indoor piped water (tap)*** Yes No

How many: |
| **Washing machine*** Yes No
 | **Computers*** Yes No

How many:  | **Electric refrigerators or freezers*** Yes No

How many: |
| ***Country-specific assets*** | **Televisions*** Yes No

How many: | **Satellite dishes*** Yes No

How many: |
| ***Country-specific assets*** | ***Country-specific assets*** | ***Country-specific assets*** |
| **Roof Material** * **Bamboo/ Thatch**
* **Wood**
* **Metal**
* **Tile**
* **Other:\_\_\_\_\_\_\_\_\_\_\_\_**
 | **Wall Material*** **Bamboo/ Thatch**
* **Wood**
* **Metal**
* **Cement**
* **Other:\_\_\_\_\_**
 | **Floor Material*** **Dirt / Soil**
* **Wood**
* **Concrete**
* **Tile**
* **Other:\_\_\_\_\_\_\_\_\_\_**
 | **Electricity*** **Solar**
* **Generator**
* **Grid**
* **None**
* **Other:\_\_\_\_\_\_\_\_\_\_\_\_**
 |

**36**. Do you own a boat?

* No boat
* Boat without a motor (e.g., canoe)
* Boat with a motor (engine has \_\_\_\_\_\_\_\_\_ hp)
* Other (specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**37a.** It would be great to know more about how you feel about your life here. All things considered, has your satisfaction with your life as a whole changed over the last three years? *(If respondent says ‘no’, circle ‘no change’, if respondent says yes, ask* **If so, how has it changed**?

*(Please circle* ***one*** *option)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| A lot worse | Worse | No change | Better | A lot better |

**37b.** *If there was a change,* what are the three main causes of this change?

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2 .\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**38.** Supposing that for some reason you were moving away from [*name of the village],* how would you feel about leaving?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Very sad | Sad | Neither happy nor sad | Happy | Very happy |

**Key Informant Survey**

Survey number:

Interviewer name:

**Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Province \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**District (tikina) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Village \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ House name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Respondent’s name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Respondent position\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**1.** Where are you from? Village\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_District\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Province\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**2a**. (*Circle* ***only one*** *option below based on above question. Choose most specific)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| This village | This district | Coastal area other than this district | This country (not coastal area) | Other country |

**2b.** Years lived in this village?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**3.** Age: \_\_\_\_\_\_\_\_\_\_\_\_**4.** Education\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**5.** Clan/ethnicity:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**6**. Religion: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**7.** Gender [ ]  Male [ ]  Female

**8.** I’m interested in learning about some of the rules and traditions about fishing here.
**(a)** Can you tell me what rules you have here? How did they start and why? What are the goals of these rules? **(b)** When did these rules start (specify year if possible)? **(c)** Who started or help create these rules?

|  |  |  |  |
| --- | --- | --- | --- |
| **Rule** | **(a) Description (including how and why, and goals)** | **(b) When started** | **(c) Who started this rule?** *(Tick multiple boxes if necessary)* |
| **Places** where people are not supposed to fish  |  |  | * People from here
* Outside NGO
* Government
* Other: \_\_\_\_\_\_\_\_\_\_\_\_\_
 |
| Certain **fishing gears** that people are not supposed to use  |  |  | * People from here
* Outside NGO
* Government
* Other: \_\_\_\_\_\_\_\_\_\_\_\_\_
 |
| Certain **times** that people are not supposed to fish |  |  | * People from here
* Outside NGO
* Government
* Other: \_\_\_\_\_\_\_\_\_\_\_\_\_
 |
| Certain **species or types of fish** that people are not supposed to catch |  |  | * People from here
* Outside NGO
* Government
* Other: \_\_\_\_\_\_\_\_\_\_\_\_\_
 |
| Other, please describe:  |  |  | * People from here
* Outside NGO
* Government
* Other: \_\_\_\_\_\_\_\_\_\_\_\_\_
 |

**9a.** Are there any important cultural, traditional or spiritual practices associated with the sea here? Such as ceremonies, harvesting resources, etc. NO [ ]  YES [ ]

*(If yes, write description)*

**9b**. If yes, do rules about managing fishing affect these practices? If yes, how?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No impact | Very bad | Bad | Neutral | Good | Very good |

**9c.** Description:

**PARTICIPATION**

**10a.** Who ***can*** participate in decision-making about marine resource use and management here?

**10b.** Who ***cannot*** participate in decision-making about marine resource use and management here?

**11. a.** How often is there confusion about who can participate in decision-making? *(Please circle* ***one*** *option)*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Don’t know | Never | Rarely | Sometimes | Often | Always |

b. Description:

**12.** If resource users don’t agree with the decisions made about natural resources, including decisions about punishments, what can they do about it?

**13. a)** How often is there confusion about boundaries of the area where management rules apply? *(Please circle* ***one*** *option)*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Don’t know | Never | Rarely | Sometimes | Often | Always |

b) Description:

**MONITORING**

**14a.** How often do people undertake monitoring (e.g. fisheries, ecological, social, etc.) for management around here? *(Please**circle* ***one*** *option)*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Don’t know | Never | Rarely | Sometimes | Often | Always |

**14b.** If yes, what do they monitor?

**14c.** If yes, who does the monitoring?

**14d.** If yes, what do they do with the information?

**15.** a. In recent years, have rules about marine resource use changed in response to changes in **environmental conditions**? *(Please* ***circle*** *one option)*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Don’t know | Never | Rarely | Sometimes | Often | Always |

b. Please explain:

**OUTSIDE ORGANIZATIONS**

**16**. Currently, are there outside organizations that help with managing the marine resources here? **(a)** What is the name and type of this organization? **(b)** What do they do? **(c)** Where are they from? **(d)** In general, how often do you have contact with them?

|  |  |  |  |
| --- | --- | --- | --- |
| 1. ***Name and type of organization***
 | **(b) What do they do?** *(Please tick multiple boxes if necessary)* | **(c) Where are they from?** *(Please tick one box)* | **(d) In general, how often do you interact?** *(Please tick one box)* |
| * Community group
* NGO
* Government
* Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 | * Training / capacity building
* Help write management plans
* Hold meetings
* Conflict resolution
* Fundraising
* Education
* Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 | * This village
* Another village
* District
* Province
* National
* International
 | * Less than once a year
* 1-5 times/year
* 6-12 times/year
* >12 times/year
 |
| * Community group
* NGO
* Government
* Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 | * Training / capacity building
* Help write management plans
* Hold meetings
* Conflict resolution
* Fundraising
* Education
* Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 | * This village
* Another village
* District
* Province
* National
* International
 | * Less than once a year
* 1-5 times/year
* 6-12 times/year
* >12 times/year
 |
| * Community group
* NGO
* Government
* Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 | * Training / capacity building
* Help write management plans
* Hold meetings
* Conflict resolution
* Fundraising
* Education
* Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 | * This village
* Another village
* District
* Province
* National
* International
 | * Less than once a year
* 1-5 times/year
* 6-12 times/year
* >12 times/year
 |
| * Community group
* NGO
* Government
* Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 | * Training / capacity building
* Help write management plans
* Hold meetings
* Conflict resolution
* Fundraising
* Education
* Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 | * This village
* Another village
* District
* Province
* National
* International
 | * Less than once a year
* 1-5 times/year
* 6-12 times/year
* >12 times/year
 |
|  |  |  |  |

**17.** What are the benefits of relationships with these organizations for marine management and the community in general?

**18.** What is bad about these relationships for marine management and the community in general?

**RULE BREAKING**

**19.** We have talked about the rules for marine resources here. Do people break the rules?How often does this happen?

|  |  |
| --- | --- |
| ***Rule*** | ***(B) How many people break the rules?*** *(tick one box)* |
| ***Places*** *where people are not supposed to fish*  | ☐ No one ☐ A few ☐ About half ☐ Most ☐ Everyone ☐ Don’t know |
| *Certain* ***fishing gears*** *that people are not supposed to use*  | ☐ No one ☐ A few ☐ About half ☐ Most ☐ Everyone ☐ Don’t know |
| *Certain* ***times*** *that people are not supposed to fish* | ☐ No one ☐ A few ☐ About half ☐ Most ☐ Everyone ☐ Don’t know |
| *Certain* ***species or types of fish*** *that people are not supposed to catch* | ☐ No one ☐ A few ☐ About half ☐ Most ☐ Everyone ☐ Don’t know |
| *Other, please describe:*  | ☐ No one ☐ A few ☐ About half ☐ Most ☐ Everyone ☐ Don’t know |

**20.** Who typically breaks the rules here? *(Please tick* ***multiple boxes*** *if necessary)*

* Local users / people from this community
* Outsiders / people not from this community
* Other, please describe:

**21.** Who monitors for people breaking the rules?

**22.** What are the penalties for breaking the rules here?

*(Please either describe the penalty)*

**23**. a.How often does the punishment or penalty increase if someone breaks the same rule twice, three times or more or with the severity of the offence? *(Please* ***circle*** *one option)*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Don’t know | Never | Rarely | Sometimes | Often | Always |

b. Description:

**24. a.**When resource users want to prosecute and give out punishments to poachers, to what extent are they supported by government organizations? *(Please* ***circle*** *one option)*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Don’t know | Strongly opposed | Opposed | Neither | Supported | Strongly supported |

b.Description:

**25. a.** If resource users make and change their own rules about resource use here, how supportive is the government? *(Please* ***circle*** *one option)*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Don’t know | Strongly opposed | Opposed | Neither | Supported | Strongly supported |

b. Description:

**CONFLICT AND RESOLUTION**

**26. (a)** Are there conflicts/problems about marine resources here? [ ]  Yes [ ]  No.

*If yes, ask all components of Q26 and Q27, if no, continue to Community Infrastructure section.*

If conflict happens, **(b)** Who is involved? **(c)** What is the conflict about? **(d)** What is the intensity? **(e)** How often does it happen? **(f)** Has this conflict been resolved?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **(b) Who is involved in this conflict?**  | **(c) What issue is the conflict about?** | **(d) Intensity of conflict** *(Please tick one box)* | **(e) Frequency of conflict** *(Please tick one box)* | **(f) Resolution success** *(Please tick one box)* |
|  |  | * Mild / verbal
* Violent / destructive
* Don’t know
 | * Don’t know
* No conflict
* Less than once per year
* More than once per year
* Monthly
* Daily
 | * No resolution
* Partially resolved
* Fully resolved
 |
|  |  | * Mild / verbal
* Violent / destructive
* Don’t know
 | * Don’t know
* No conflict
* Less than once per year
* More than once per year
* Monthly
* Daily
 | * No resolution
* Partially resolved
* Fully resolved
 |
|  |  | * Mild / verbal
* Violent / destructive
* Don’t know
 | * Don’t know
* No conflict
* Less than once per year
* More than once per year
* Monthly
* Daily
 | * No resolution
* Partially resolved
* Fully resolved
 |
|  |  | * Mild / verbal
* Violent / destructive
* Don’t know
 | * Don’t know
* No conflict
* Less than once per year
* More than once per year
* Monthly
* Daily
 | * No resolution
* Partially resolved
* Fully resolved
 |
|  |  |  |  |  |

**27**. What types of processes (e.g. community meetings, laws, etc.) exist to help resolve this conflict?

**COMMUNITY INFRASTRUCTURE**

**28.** In general, where do people in this community sell their fish?

*(Please ask respondent to* ***rank the answers*** *they give. Note that if respondent does not mention one of the categories below, put an NA)*

|  |  |
| --- | --- |
| **Location** | **Rank** |
| To other people in this village |  |
| Fish trader/middleman who sells fish outside this village. If yes, where are they based?  |  |
| Local market outside this village. If yes, where?  |  |
| Other: |  |
| Other: |  |

**29.** What types of infrastructure are available here in this community?
*Circle when an item is present in the community. Ask only ONCE per village.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Item** | **present** |  |  | **present** |
| 1 | Hard-top road | x | 10 | Dentist  | x |
| 2 | Phone service | x | 11 | Internet  | x |
| 3 | Restaurant | x | 12 | Primary school  | x |
| 4 | Daily food market  | x | 13 | Secondary School  | x |
| 5 | Clean water for drinking  | x | 14 | Electricity service | x |
| 6 | Piped water service | x | 15 | Sewage treatment | x |
| 7 | Public transportation | x | 16 | Medical clinic  | x |
| 8 | Fuel station | x | 17 | Doctor  | x |
| 9 | Electric freezers that fish is stored in | x | 18 | Ice making facilities for storing fish  | x |