

# Climate Buffer Infrastructure Project Survey

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1. Do you consent to participate in this study?

- Yes  
 No

Capture the location of the housing unit

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latitude (x.y °)

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longitude (x.y °)

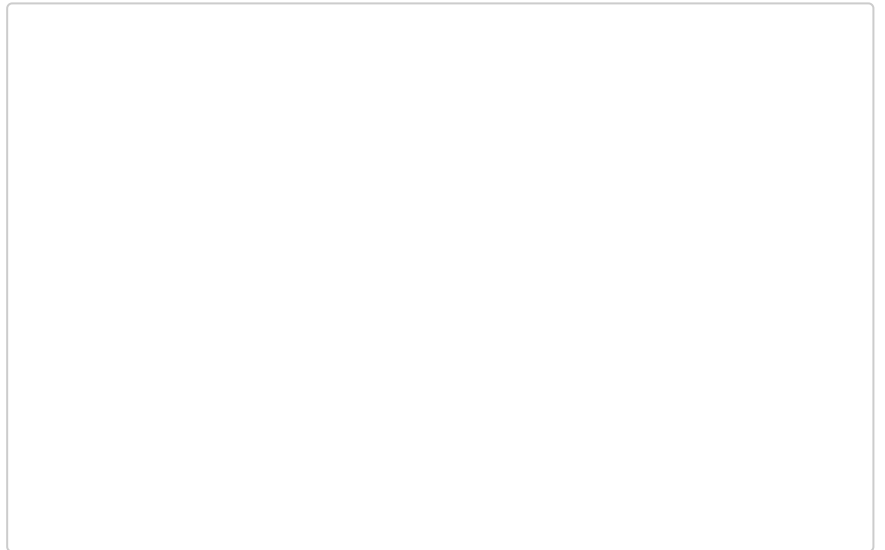
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altitude (m)

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accuracy (m)

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## Part 1: Demographic Profile

2. What is your current age?

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**3. Which barangay do you live in?**

- Barangay 83/ 83-A
- Barangay 83-C
- Barangay 89
- Barangay 84

**4. Please describe your gender.**

- Man
- Woman
- Non-binary
- Prefer to self-describe

**Please describe your gender in your own words.**

*Paki-yakan an imo kinatawo.*

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**5. Please select the highest level of education you have completed**

- No formal education
- Some elementary
- Completed elementary
- Some high school
- Completed high school
- Some vocational
- Completed vocational
- Some college
- Completed college
- Post college

**6. Please select your current marital status.**

- Single / never been married
- Married
- Widowed/ widower
- Divorced / separated / annulled
- Common-law/ Live-in

**7. Do you identify yourself as a person with disability?**

- Yes
- No

**8. How many people live in your household, including children?**

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**9. What is the status of your housing and land tenure?**

- Own or owner like possession of house and lot
- Rent house/room including lot
- Own house rent lot
- Own-house rent free lot with consent of owner
- Own-house rent free lot without consent of owner
- Rent-free house and lot with consent of owner
- Rent-free house and lot without consent of owner

**10. Which of the following best describe your nature of work. Choose only one**

- Unemployed / Not working
- Own business (i.e. you run a business and hire employees)
- Self-employed (i.e. you are the business, you work for yourself)
- Contractual / Part-time job
- Permanent job

**11. If you own a business, how many employees do you have?**

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**12. If you own a business, which of the following best describes the structure of your business?**

- Sole Proprietorship
- Partnership
- Corporation
- Cooperative
- Other (manually specify)

**Please specify the structure of your business.**

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**13. If you own a business, please estimate the total value of your business assets:**

- Micro (Up to Php3 million)
- Small (Up to Php15 million)
- Medium (Up to Php 100 million)
- Large (Above Php100 million)

**14. What sector do you work in or do business in? (Tick all the apply)**

- Vendor, grocer, sari-sari, buy-and-sell
- Transport, multicab, tricycle, public driver
- Weaver, handicraft, construction worker, electrician
- Private employee, admin, staff, teacher
- Government employee, public teacher, LGU worker
- Service sector, restaurant, parlor, barber
- Agricultural sector, farming, fishing, animal husbandry
- Religious sector
- NGO, CSO, development institution
- Unemployed / looking for work
- Other (manually specify)

Please specify the sector you work in.

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**15. On average, what is your estimated weekly household income?**

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**16. How many of your household members work (or contribute to your household income)?**

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**Part 2: Awareness and Experience of Climate Change**

**17a. On a scale of 1 (Not At All) to 5 (Extremely), please respond to the following questions related to "FLOODING".**

Not At All (1)      Slightly (2)      Moderately (3)      Very (4)      Extremely (5)

*In this study, FLOODING refers to the "condition that occurs when water overflows the confines of a river, stream or other body of water, or accumulates over low-lying areas". It may also be gradual or sudden onset (flash).*

<b>How worried are you about Flooding?</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>What do you think is the likelihood of Flooding occurring in your barangay in the next 5 years?</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>How vulnerable do you think you are to Flooding?</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>How negative do you think are the impacts of Flooding to your barangay?</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>To what extent do you feel able to protect yourself from Flooding?</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**17b. On a scale of 1 (Not At All) to 5 (Extremely), please respond to the following questions related to "SEA LEVEL RISE".**

*In this study, SEA LEVEL RISE refers to the "gradual increase in the water level of the seas and oceans in the long term".*

**How worried are you about Sea Level Rise?**

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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**What do you think is the likelihood of Sea Level Rise occurring in your barangay in the next 5 years?**

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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**How vulnerable do you think you are to Sea Level Rise?**

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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**How negative do you think are the impacts of Sea Level Rise to your barangay?**

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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**To what extent do you feel able to protect yourself from Sea Level Rise?**

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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**17c. On a scale of 1 (Not At All) to 5 (Extremely), please respond to the following questions related to "STORM SURGES"**

*A STORM SURGE is generated by intense typhoons and weather systems that force water onshore over a stretch of coastline. Storm surges are often accompanied by large waves and can lead to flooding.*

**How worried are you about Storm Surges?**

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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**What do you think is the likelihood of Storm Surges occurring in your barangay in the next 5 years?**

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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**How vulnerable do you think you are to Storm Surges?**

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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**How negative do you think are the impacts of Storm Surges to your barangay?**

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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**To what extent do you feel able to protect yourself from Storm Surges?**

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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**18. Please rate your knowledge on the following items related to climate change. How much do you know about...**

I dont know anything about it	I know few things about it	I know some things about it	I know a lot about it	I know everything about it
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**What climate change is**

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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**What causes Climate Change**

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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**The impacts of Climate Change**

<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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### Part 3: Evaluation of Climate Buffer Infrastructure Projects

19. Are you aware of the grey (e.g. seawalls, dykes)/ green (e.g. mangroves) infrastructure project in your barangay?

*By grey/ green infrastructure, we refer to protective structures meant to protect communities and ecosystems from the impacts of climate change.*

- Yes
- Not Sure
- No

20. What do you think is the overall impact of the infrastructure project in your barangay? Tick only one

- Very positive
- Slightly positive
- No impact
- Slightly negative
- Very negative

21. Thinking back to BEFORE the seawall (mangrove/ wetland project) was constructed, did you personally... (tick all that apply)

- a. Attend any public meetings about the proposed project
- b. Participate in any interview or survey about the proposed project
- c. Share any comments or recommendations about the project in a public meeting
- d. Receive any information about the project
- e. None of the above

22. These questions will ask for your feelings about the infrastructure project. Please indicate how much you agree or disagree with the following statement:

Strongly Agree (1)	Agree (2)	Neither Disagree or Agree (3)	Disagree (4)	Strongly Disagree (5)
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a. The seawall project (mangrove/ wetland project) addresses local residents' needs and priorities.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. The local language (Waray-waray) was used when the seawall project (mangrove/ wetland project) was first explained to the community.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. The seawall project (mangrove/ wetland project) protects my family from coastal hazards.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. The seawall project (mangrove/ wetland project) has positive benefits for coastal biodiversity and ecosystem habitat quality.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. Everyone benefitted equally from the seawall project (mangrove/ wetland project).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. I felt adequately informed and consulted throughout all stages of the seawall project (mangrove/ wetland project).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

- g. My household income has increased since the seawall project (mangrove/wetland project) commenced.
- h. The seawall project (mangrove/wetland project) protects infrastructure in the community.
- i. The seawall project (mangrove/wetland project) has improved the social networks within the community.
- j. The seawall project (mangrove/wetland project) is a good long-term solution to climate change-related problems in my area.
- k. The seawall project (mangrove/wetland project) will benefit the future generations.
- l. The seawall project (mangrove/wetland project) is durable and can withstand strong typhoons.
- m. The seawall project (mangrove/wetland project) resulted to the eviction of communities.
- n. I have heard or know of allegations of corruption in the seawall project (mangrove/wetland project).
- o. The seawall project (mangrove/wetland project) is a source of pride and identity for my community.

**23. BEFORE AND AFTER: Thinking about before the project was implemented compared to now, rate on a scale of 1 - 5 (1= much worse, 2= a little worse, 3= same, 4= better, 5= much better), how much better off the following are since project implementation:**

Much worse (1)      A little worse (2)      Same (3)      Better (4)      Much better (5)

*Please think about the grey / green infrastructure projects as the main drivers of these changes (i.e. did your housing quality and safety improved due to the construction of the seawall?)*

- a. Housing quality and safety
- b. Income / job reliability
- c. Access to Food
- d. Access to Water
- e. Access to basic services (electricity, water, education, health, etc.)
- f. Marine (sea) or freshwater (e.g. streams) ecosystem health
- g. Social connections and networks

**24. Are you willing to be contacted for a follow-up interview?**

Yes

No

**Please provide the best contact number**

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**What is the name of the enumerator?**

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Thank you very much!

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