

Figure S1. The Condition of Residential Roads.

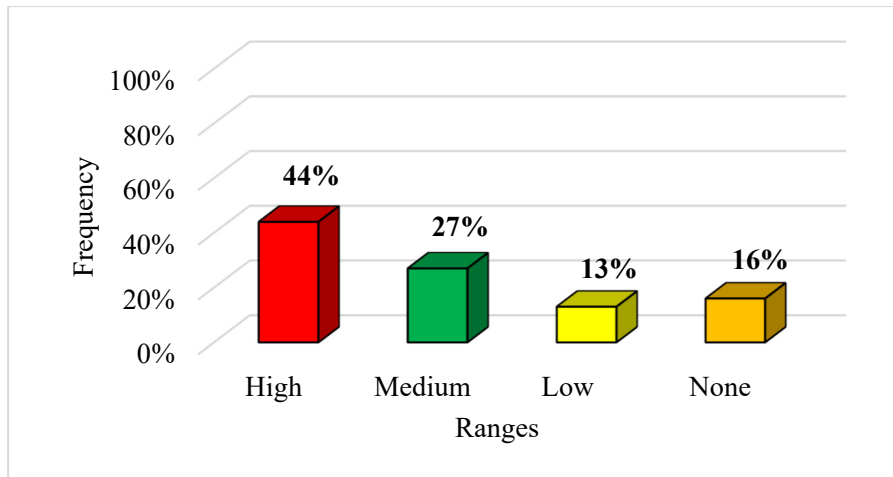


Figure S2. Damage to Asset.

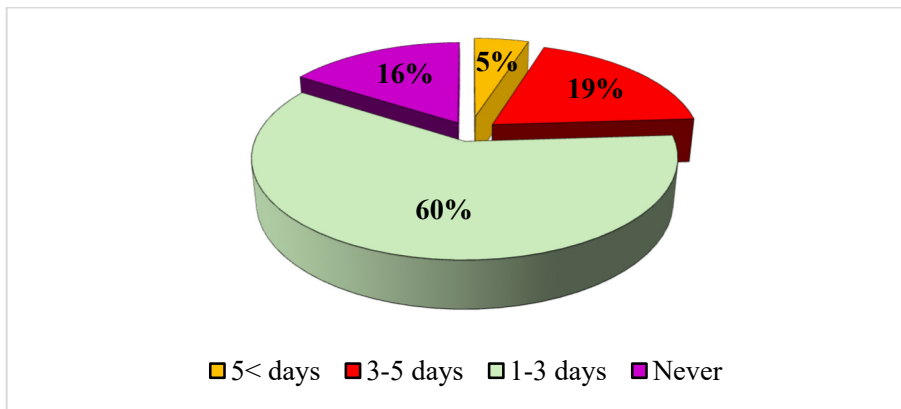


Figure S3. Children have no access to their Educational Institutes.

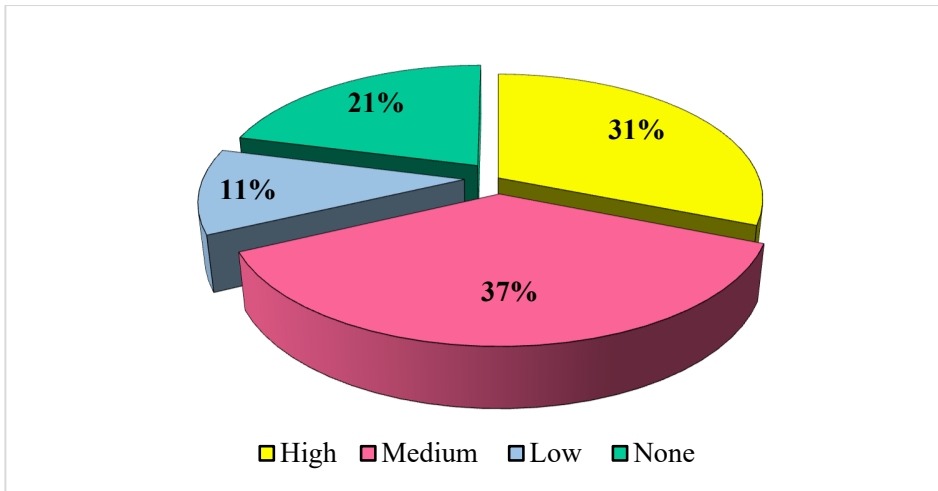


Figure S4. Impact on Drinking Water.

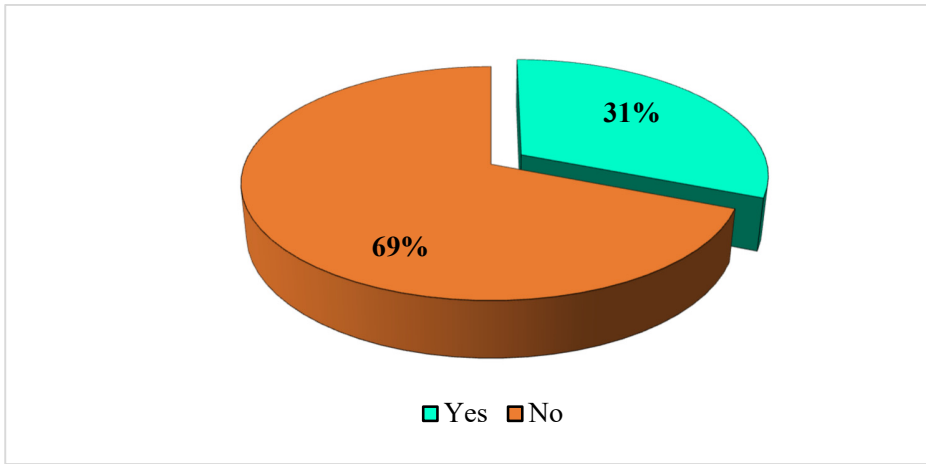


Figure S5. Support and Help from Neighbors.

Table S1. Household Survey Questionnaire.

[NB: All of the information being collected under this module is only for research purposes at the Faculty of Environmental Science and Disaster Management of Patuakhali Science and Technology University]

Objectives:

- i. To assess the capital-specific vulnerabilities of sustainable livelihoods in the context of seasonal waterlogging at the Barishal City Corporation area.
- ii. To analyze the total vulnerability index (TVI) due to seasonal waterlogging in the urban study area of Bangladesh.

Q. no:

Ward No:

Part A: Demographic Information			
a. Name	b. Gender	c. Age (Yrs)	d. Education
e. Religion	f. Marital Status	g. Occupation	h. House Type

(Code): **b:** 1=Male, 2=Female, 3=other; **c:** 1=21-30 2=31-40, 3=41-50, 3=51-60, 4=61-70, 5=71-80; **d:** 1=Illiterate, 2=Primary, 3=Secondary, 4= Undergraduate, 5=Others; **e:** 1=Muslim, 2=Hindu, 3=Buddhism, 4=Christianity 5=Others; **f:** 1= Married, 2= Unmarried, 3=Widow; 4=Divorced **g:** 1=Rickshaw Puller, 2= Day Laborer, 3= Hawking, 4= Businessman, 5=Government Officer, 6=Domestic Worker, 7=Private Service Holder, 8=Student, 9= Teacher, 10=Others; **h:** 1= Teen shed with Concrete floor, 2= Teen shed with Mud floor, 3= Concrete Building.

Part B: Climatic Information	
1. How long have you been living in this location?	<ol style="list-style-type: none"> a. 1-5 years b. 5-10 years c. 10-15 years d. 15< years
2. Which month do you face the most rainfall in?	<ol style="list-style-type: none"> a. June-July b. July-August c. August-September d. September-October
3. To what extent does the water rise in Barishal City during the rainy season?	<ol style="list-style-type: none"> a. High b. Medium c. Low d. None
4. What is the duration of stagnant water?	<ol style="list-style-type: none"> a. 1-6 hours b. 6-12 hours c. 12-24 hours d. 1-3days
5. When does the stagnant water increase?	<ol style="list-style-type: none"> a. Early morning to daytime b. At high tide c. Evening to overnight d. If the rain falls continuously

Part C: Human Capital	
1. Level of Education	a. Non-literate b. Primary c. Secondary d. Undergraduate e. Others
2. How many days do they not have access to the School/Madrassa/University?	a. 1-3 days b. 3-5 days c. 5-7 days d. >1 week
3. Were you or your family members ever attacked by reptiles or insects during water-logged situations?	a. Never b. Seldom c. Sometimes d. Often
4. To what extent do chronic health problems become an issue during water-logged situations?	a. High b. Medium c. Low d. None
5. Which type of waterborne diseases did you or your family members suffer during waterlogging?	a. Diarrhea b. Dengue c. Cold d. Itching
6. Have you or your family members ever been admitted to the hospital for waterborne diseases?	a. Seldom b. Sometimes c. Often
7. How long do you face food insufficiency during waterlogging?	a. 1-3 days b. 3-5 days c. >5 days d. Never

Part D: Natural Capital	
1. To what extent does the logged water damage your homestead vegetable garden?	a. High b. Medium c. Low d. None
2. To what extent does the logged water damage your fishing pond?	a. High b. Medium c. Low d. None
3. To what extent does the logged water damage your bird's nest?	a. High b. Medium c. Low d. None
4. To what extent does the quality of drinking water (taste, color, and odor) change during a waterlogged situation?	a. High b. Medium c. Low d. None

Part E: Financial capital	
1. How much is your monthly income?	a. \$0 - \$122.7 USD b. \$122.7 - \$204.5 USD c. \$204.5 - 245.4 USD d. > \$245.4 USD
2. To what extent does the logged water do any damage to your asset?	a. High b. Medium c. Low d. None
3. How much money did you spend to repair the damage?	a. \$0 - \$45.5 USD b. \$45.5 - \$91.0 USD c. \$91.0 - \$136.5 USD d. >\$136.5 USD
4. Do you take any loans for repairing the damage?	a. Never b. Seldom c. Sometimes d. Often
5. To what extent does the logged water decrease your income?	a. High b. Medium c. Low d. None
6. Does the logged water become any obstacle to going to your work?	a. Never b. Seldom c. Sometimes d. Often
7. Have you ever changed your occupation due to waterlogging?	a. Never b. Seldom c. Sometimes d. Often

Part F: Physical capital	
1. What is the condition of the main road in your residential area?	a. Poor b. Average c. Good d. Excellent
2. What is the condition of the lanes in your residential area?	a. Poor b. Average c. Good d. Excellent
3. To what extent does the water rise during heavy rainfall?	a. Road only b. Garage c. House d. Above all
4. To what extent does the water damage the road during heavy rainfall?	a. High b. Medium c. Low d. None

Part G: Social capital	
1. Did you get any kind of Support and help from neighbors during waterlogging?	a. Yes b. No
2. What has the Government done to reduce the impacts of waterlogging?	a. Yes b. No
3. Did the Government implement attempts to regenerate the drainage system	a. Yes b. No
4. Did you get any kind of Support and help from NGOs during waterlogging?	a. Yes b. No