

COASTAL FLOODING DATA SHEET NO PROTOCOLS

Questions marked with a * are required

Data and Photos to Collect in the Field

Where to? When? What time?

*Date (MM/DD/YYYY): ____ / ____ / ____

*What town or city are you in?: _____

*Study Time (HH:MM): _____

Were you at a Monitoring Site? (If yes, which one?)*:

↳ No, I'm somewhere else

Please describe: _____

Describe the current water level.

*Describe the water level you're observing in the area that the water appears deepest (circle one):

- ↳ No flooding
- ↳ Wave splash-over: wave crests splash over the coastline but there's no flooding between waves
- ↳ Minor flooding: up to bottom of shoe
- ↳ Minor flooding: ankle-deep
- ↳ Minor flooding: between ankle-deep and 1 foot of water (roughly mid-shin)
- ↳ Moderate flooding: 1-3 feet of water, looks knee deep
- ↳ Major flooding: more than 3 ft of water, looks waist deep or more

If you are at a site with a tide staff, what is the measurement? (please take a photo) _____

*Do you observe high water marks from a prior high tide? This could be washed up debris or seaweed and foam. If yes, please take a photo (circle one):

↳Yes ↳No ↳Unsure

*Do you observe signs of erosion or damage due to current or past flooding or storms? If yes, please take a photo (circle one):

↳Yes ↳No ↳Unsure

Describe the weather conditions.

*Describe the precipitation:

- ↳ No precipitation
- ↳ Sprinkling/ raining lightly
- ↳ Steadily raining
- ↳ Heavily raining
- ↳ Lightly-moderately snowing
- ↳ Snowing heavily
- ↳ Sleet (slushy rain)
- ↳ Hail (solid ice)

*What category best describes the wind?

↳No wind (air is still) to moderate breeze (wind moves small branches)

↳Strong breeze (umbrella is difficult to use) to near-gale (trees in motion)

↳Storm conditions/ gale force winds (twigs and small branches breaking, difficult to walk, structural damage may occur)

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| <p><input type="checkbox"/> *Describe the waves you are observing:</p> <ul style="list-style-type: none"> ▾ No waves, the water surface is calm ▾ Small waves that are not likely to cause damage ▾ Large waves pushing water far up onto the shore and causing flooding ▾ Large waves crashing into natural or man-made structures, likely causing damage | |
|--|--|

Take photos of where you are and what you see. If a storm is raging, don't be a hero - stay safe!

| | |
|--|--|
| <p><input type="checkbox"/> *Photo 1</p> <p><input type="checkbox"/> *Photo 2</p> <p><input type="checkbox"/> Photo 3 (optional)</p> | <p><input type="checkbox"/> Photo 4 (optional)</p> <p><input type="checkbox"/> Photo 5 (optional)</p> <p><input type="checkbox"/> Photo 6 (optional)</p> |
|--|--|

Thank you for completing the required data collection questions. We encourage you to answer these next optional questions or you can skip to the end and verify your data

What best describes your role in this community (circle all that apply)?

Municipal staff
 Emergency services
 Educator
 Visitor
 Business owner
 Resident
 Student
 I work here
 Other: _____

Rate your level of concern about flooding and/or storm damage at this location.

I'm concerned now
 I'm concerned for the future
 I'm not concerned

How does the event you observed make you feel?

Neutral
 Worried
 Sad
 Angry
 Surprised
 Motivated to Act

Do you feel that this community is prepared for increased flooding?

Yes
 No
 Unsure

What type of climate adaptation action would you prioritize at this location? (circle one):

- ▾ No Action
- ▾ Protect: Block the physical hazard (ex. build a sea wall)
- ▾ Mend: Leverage natural solutions to heal an ecosystem (ex. living shorelines, rain gardens, dune restoration, land conservations)
- ▾ Retreat: Move away from threatened areas

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↳Accommodate: Do not block the physical hazard, but take action to reduce vulnerability (ex. raise roadways, widen culverts)

↳Other (fill in): _____

How have you observed the coastline in this community change over time?

Have you observed flooding at this location? ↳Yes ↳No

We invite you to share a story of how you have observed the coastline in this community change over time.

Check your work: did you answer all the required questions? take all the required pictures?

* I certify that I followed the protocol and checked my work. Signature: _____