

### SUPPLEMENT C: Sedimentation Discussion Pictures

Severn River Photo:

This is an image of sediment in the Sever River. A construction site neglected to put up its silt fence over the weekend. That weekend there was a heavy rainstorm. With nothing to hold the soil in place all of the loose dirt and clay washed down the hill into the Sever River. We are still feeling the effects today.



Hurricane Irene:

Photo A:

This is a satellite image of the Chesapeake Bay a few days before Hurricane Irene, which occurred on August 27, 2011.

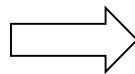


Photo B:

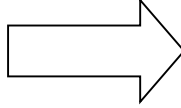
This is a satellite image of the Chesapeake Bay a few days AFTER hurricane Irene, which occurred on August 27, 2011. Note the sediment in the bay and its tributaries.



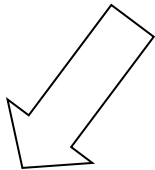
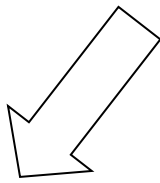
**SUPPLEMENT D: Erosion Discussion Pictures**



This is an outfall. Stormwater that goes into storm drains from the streets exits here. This is on Riva Road in Annapolis Maryland.



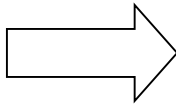
This is erosion caused by a poorly placed outfall. Nothing was planted near the outfall to slow down the water and let it soak in. After a major rain event, the water flows faster over the land and causes erosion.



These are step pools. They are built to help slow down water and let it soak into the ground to prevent erosion.



These are the step pools during a heavy rainstorm. Look at how the step pools allow the water to flow into pools where it can soak into the ground.



The step pools are made to look natural by adding native plants and rocks. Students from Anne Arundel County helped to plant plants around the site.