

Plastic Pollution and You

HOW TO CAPTURE PLASTIC POLLUTION

Name: _____

Class: _____

Date: ____/____/____



TRASH NETS

Large intersecting mesh placed at the end of a storm or sewer drain or pipe that allows water to pass through but captures trash and litter that is larger than the mesh size. These devices must be secured to the drain or pipe so they can withstand the flow of storm water but also be removable when the nets are full and must be replaced.



CURB INLET COVERS

Screens, grates, or other physical devices that allow for water to pass into the storm drain but block trash, litter, and other debris from entering. These structures require routine collection of blocked debris by street sweepers, garbage collection, or volunteers. If debris accumulates to a point that water cannot enter the storm drain, standing water and flooding can occur.



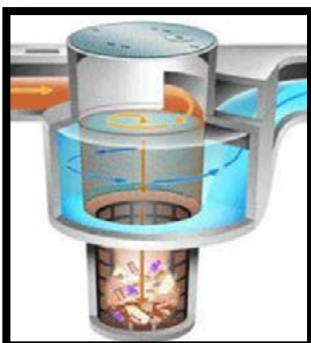
LITTER BOOMS

Floating chain link that traps trash and litter that is on the surface of a body of water. Often placed near the end of drains or pipes to capture debris that is coming out or at a river junction within a watershed. Requires regular collection of debris based on accumulation or water conditions.



TRASH SKIMMING VESSELS

Autonomous or crew operated boats or other floating water crafts that collect trash using skimmers, conveyor belts, or other mechanical methods to remove floating debris. Baltimore's Water Wheel and the Seabin Project are examples.



INLINE DESIGNS

Physical devices placed inside sewer pipes that separate and collect trash, litter, and other debris. These devices require complex engineering and construction as well as ongoing debris collection.

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TRASH CAPTURE TECHNOLOGY COMPARISON CHART

Name: _____

Class: _____

Date: ____/____/____

Trash Capture Technology Name	What are the advantages of this trash capture technology?	What are the disadvantages of this trash capture technology?	Are there any unintended social, cultural, economic, environmental, and/or public health impacts from this technology?
Curb Inlet Cover			
Trash Nets			
Litter Booms			
Trash Skimming Vessels			
Inline Designs			