

On-site treatment

So far we have looked at examples of Pollution Prevention BMPs, and BMPs to provide source control, to catch rain where it falls. But what if we still have some rain that runs off? What do we do next in our Treatment Train?

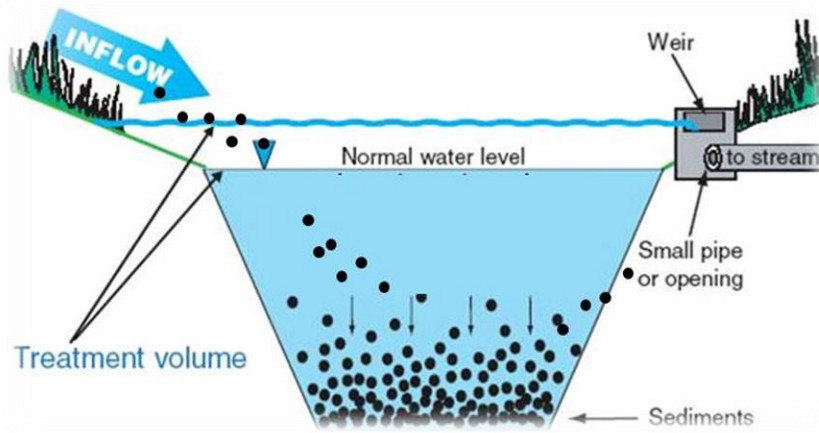
Just a reminder of the power of the pollution prevention BMPs we've looked at- all of the practices that prevent pollution and control water at its source ALSO treat water on-site. Raingardens, tree trenches, cleaning up leaves, green roofs all filter water, and remove pollutants, as well as reduce volume and flow rates. And those BMPs are within the control and capacity of private property owners to design and implement. This is important. They are all POSSIBLE.

Stormwater ponds

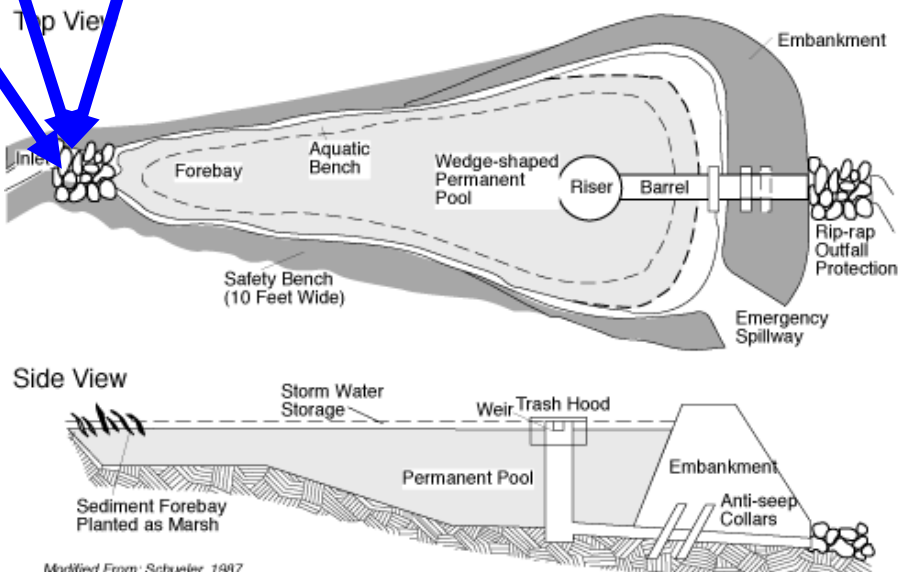
Stormwater ponds give us yet another tool to use in managing stormwater. These large, deep ponds are typically larger, regional structures that collect water that is not treated by other BMPs in our Treatment Train. They harvest and filter water, though they do not necessarily infiltrate water.



Below you see two diagrams of a stormwater pond- a side cross-section and an overhead view.



Water flows into the pond from the surrounding landscape.



Modified From: Schueler, 1987.

As water flows into the pond, sediments settle to the bottom. As the pond fills, the overflow is directed to a local stream or ditch. And the goal is to end looking like this.

