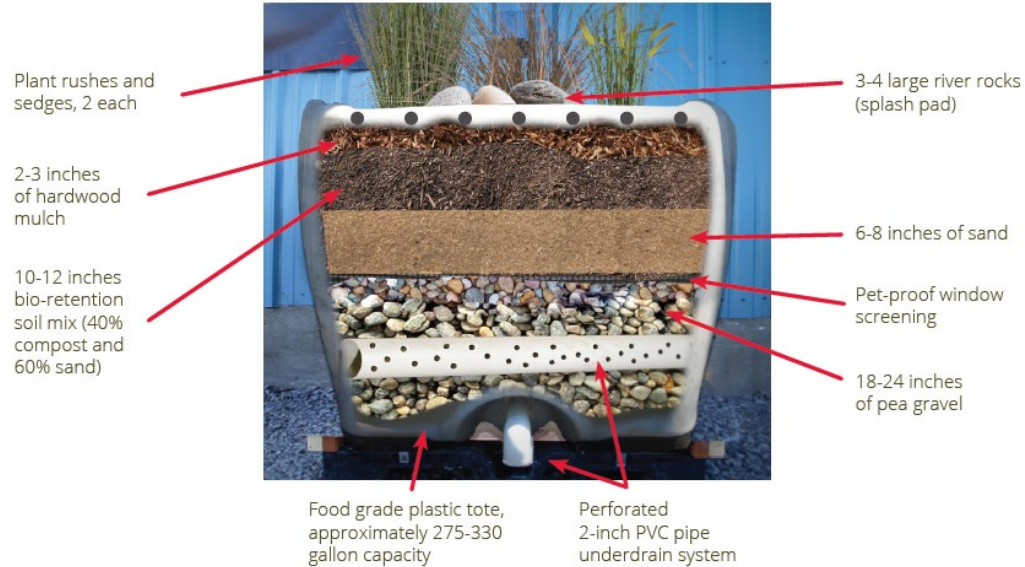


# ***GREAT-GET REAL ENVIRONMENTAL ATTENUATION OF TOXICS- GRATTIX BOX PROJECT***

Lower Columbia Estuary Partnership  
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## Cross Section of a Grattix



## WHAT IS A GRATTIX BOX?

A Grattix Box, developed by Matt Graves and Mary Mattix from the Port of Vancouver, provides an innovative, inexpensive and effective method for removing zinc and copper in stormwater run off.

Grattix Boxes are cost effective, at \$400 to \$800 per box, and require minimal maintenance.

The Estuary Partnership's Project will place twenty Grattix Boxes at industrial and commercial locations in Columbia County, Oregon and Cowlitz County, Washington.

Potential site locations will be identified by a Steering Team made up of representatives from the EPA; Oregon DEQ; Washington Dept. of Ecology; Columbia County; Cowlitz County; the Cities of Rainier and St. Helens, Oregon, and Longview, Washington; the Port of Longview; and other potential partners



# WHY GRATTIX BOXES?

*The Grattix box project will allow for high potential impact on local water quality and positive impact on local stormwater knowledge, with an easy to understand and affordable intervention.*

## OUTPUTS

- 20 on the ground stormwater education meetings with site owners
- 20 Grattix Boxes placed at priority sites in Washington and Oregon
- 20 follow up stormwater education meetings with site owners
- Identification and prioritization of future stormwater retrofit, Grattix Box placement, or other toxic reduction opportunities

## OUTCOMES

- Increased site owner/manager understanding of stormwater impacts, and understanding of retrofit/improvement opportunities
- Reduce concentrations of zinc (90 to 95%) and copper (85%) in stormwater at project sites for a period of 10 years
- Improved water quality