Stormwater Retrofits for Treating Highway Runoff

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King County Water and Land Resources Division
How well a retrofit improved water quality in a typical urban basin:

1. Individual BMPs
2. Larger stormwater system
3. Receiving water
3 Bioretention Planter Boxes

1 Filterra
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<thead>
<tr>
<th><strong>Suspended Solids</strong></th>
<th>![Diagram of suspended solids removal]</th>
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<td><strong>Dissolved Zinc</strong></td>
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<td><strong>Dissolved Copper</strong></td>
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<td><strong>Total Phosphorus</strong></td>
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<td><strong>Petroleum Hydrocarbons</strong></td>
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<td><strong>Diagram</strong></td>
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- Suspended Solids: Yes
- Dissolved Zinc: Yes
- Dissolved Copper: No
- Total Phosphorus: No
- Petroleum Hydrocarbons: Yes
Unexpected Maintenance Issues
Bioretention can treat your stormwater...
...but only if the stormwater can get in.
Acknowledgements

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