

Appendix 11 - Structural Source Control Project List

March, 2019



Project Name	Type ¹	Start Year	Status ²	End Year	Cost Estimate ³	Funding (%)			WQ Benefit ⁴	Hydro Benefit ⁵	Hydro Benefit #	Retrofit Incentive ⁶	Other Benefit	Monitoring Planned	Lat	Long	Receiving Water Body	Comments
						Local	State	Federal										
Capitol Hill Water Quality Project (aka Swale on Yale)	2	2006	4	2018	11.4 M	82%	8%		97,600 lbs TSS/yr	NA		580	Increased green space	Yes	47.621	-122.331	Lake Union	Biofiltration swales treating 439 ac; 387 ac impervious. Retrofit Incentive = better than existing - in known water quality problem area (150%) X 387 imp ac = 580.5 *Status: Phase 1 & 4 (Diversion, Pretreatment, Conveyance & Utility Relocation): 4 Phase 2 & 3 (Block 10 Swale): 4 Phase 5 & 6 (Block 11 Swale): 4 Local funding includes 1.8M SRF Loan and 1M Stormwater Retrofit & LID grant. Private funding: 10%.
Venema Natural Drainage System (NDS) Project	2	2005	4	2016	7.65 M	85%	15%		12,000 lbs TSS/yr	92%	2	73	Increased green space	Yes	47.717	-122.361	Piper's Creek	Bioinfiltration followed by infiltration treating 80 acres total; 42 ac impervious. Retrofit incentive = enhanced treatment (175%) X 42 ac impervious = 73.5
South Park Water Quality Project	2	2005	2	2025	65 M	100%			46,000 lbs TSS/yr	NA		213	Protects Duwamish sediments (Superfund site)	Yes	47.535	-122.325	Duwamish Waterway	Active treatment (e.g., chitosan enhanced sand filtration) for 240 total acres of industrial/commercial/HDR; 42 ac impervious.. Retrofit incentive = better than existing - in known water quality problem area X 142 ac impervious = 213
Street Sweeping for Water Quality Program	11	2011	4	Ongoing	1.5 M /yr	100%			2,862,000 lbs TS/yr (dry)	NA		3568	Improved air quality; clean streets	Yes	City wide	Lake Washington, Lake Union, Ship Canal/Salmon Bay, Puget Sound, Duwamish Waterway, Longfellow Creek, Piper's Creek, Thornton Creek	High efficiency sweeping of 1471 acres of arterial roadways. Retrofit incentive = maintenance action (25%) X 1471 ac = 368	