Summary of City of Bellevue Regional Detention Facility Characteristics, 2009

Regional Pond	Vol. @ Overflow (ac-ft)	Tributary Area (ac)	Tributary EIA (ac)	Total Vol/ac Tributary EIA [1] (ft)	Stage @ Overflow (ft, NGVD)	Discharge @ Overflow (cfs)	Overflow Return Period (yrs)	Notes
Kelsey Creek Pond [2] (133)	32.0	1594	476	0.18	247.9	110.0	20.0	Larsen Lake is upstream
Larsen Lake Pond [2] (149)	54.0	833	207	0.26	253.4	23.0	1.5	
Lower West Trib. Pond [2] (164S)	8.0	1423	517	0.07	109.2	85.0	5.0	Goff Creek and Upper W. Trib ponds are upstream
Goff Creek Pond [2] (164N)	8.0	1268	427	0.07	113.4	53.0	2.0	Upper W. Trib pond is upstream
Upper West Trib. Pond[2] (165)	22.0	463	238	0.09	131.2	39.0	10.0	
Valley Creek Pond [2] (197)	15.0	1298	288	0.05	198.5	37.0	5.0	
Overlake Pond [2] (179N)	12.0	514	312	0.05	246.6	55.0	25.0	Commissioners Pond Upstream
Commissioners Pond [2] (179S)	2.7	269	116	0.02	282.4	37.0	5.0	
Total Kelsey Basin [2]	153.7	6470	2040	0.08				
I-405 Pond (Coal Creek Basin) [3]	19.5	4550			72.5	585		
Lakemont (Lewis Creek Basin) [4]	31.6	252.4	85.1	0.37	634.6 [5]			

[1] From Northwest Hydraulic Consultants, 2002. Hydrologic Study of Kelsey Creek Basin, Bellevue, WA.
[2] Volume includes all upstream regional pond storage. EIA = Effective Impervious Area, or impervious area that drains directly to the storm drain system and streams.
[3] From Jensen, Bruce, 2004. I-405 Rating Curve Development, Entranco, Inc., Bellevue, WA.
[4] From City of Bellevue, 2002. Lakemont Stormwater Filtration Facility, Operations and Maintenance Manual, Volume 1: Procedures Manual.
[5] Emergency spillway overflow elevation.