

# **Appendix 4B-10: PSTA Field-Scale Test Facility Water Budget**

**Table 1.** Water budget components for the experimental cells in the Periphyton-Based Stormwater Treatment Area (PSTA) field-scale test facility by water year (WY) and for the period of record (POR).

	Limerock / Peat 5:1 aspect ratio Cell 1			Limerock / Peat 43:1 aspect ratio Cell 2		
	POR	WY2002	WY2003	POR	WY2002	WY2003
	Depth (m)	0.279	0.307	0.257	0.118	0.173
HLR (cm/d)	8.38	7.49	9.26	11.12	11.80	10.45
Inflow (m <sup>3</sup> /d)	1695	1515	1874	2250	2387	2114
Inflow (m <sup>3</sup> )	949122	424271	524851	1260142	668268	591874
Outflow (m <sup>3</sup> /d)	729	645	796	1119	941	1259
Outflow (m <sup>3</sup> )	449346	176182	273164	689006	257001	432004
$\Delta$ Storage (m <sup>3</sup> )	-7586	-9302	1717	-1956	-1911	-45
Residual (m <sup>3</sup> )	511119	256210	254909	576849	411996	164854
Residual (% of Inflow)	51.7	57.9	46.7	44.4	60.0	26.9
Rainfall (m <sup>3</sup> )	38573	18024	20549	38573	18024	20549
ET (m <sup>3</sup> )	34816	19206	15610	34816	19206	15610

**Table 1.** Continued.

	Caprock 5:1 aspect ratio Cell 3			Peat-base 5:1 aspect ratio Cell 4		
	POR	WY2002	WY2003	POR	WY2002	WY2003
Depth (m)	0.312	0.324	0.302	0.005	0.111	-0.075
HLR (cm/d)	8.62	8.94	8.30	8.11	9.53	6.68
Inflow (m <sup>3</sup> /d)	1745	1809	1680	1640	1929	1352
Inflow (m <sup>3</sup> )	977008	506562	470446	918484	540030	378454
Outflow (m <sup>3</sup> /d)	1682	1673	1688	247	386	140
Outflow (m <sup>3</sup> )	1059618	456833	602784	155539	105404	50135
Δ Storage (m <sup>3</sup> )	-314	-3844	3531	5244	-819	6064
Residual (m <sup>3</sup> )	-78539	52391	-130931	761458	434264	327193
Residual (% of Inflow)	-7.7	10.0	-26.7	79.6	77.8	82.0
Rainfall (m <sup>3</sup> )	38573	18024	20549	38573	18024	20549
ET (m <sup>3</sup> )	34816	19206	15610	34816	19206	15610