

Table 2. Water balance tables for steamflows

Water budget for Streamflow	WSIMOD	Coupled	MODFLOW
1823 - Streamflow In (+)/ Out (-) (m3/day)			
Surface runoff	2704.11	2704.11	2704.11
Subsurface runoff	457.43	289.77	457.43
Sewer to River	918.16	918.16	918.16
Wetland seepage to River	10849.18	12244.14	10849.18
Baseflow/River discharge	38.54	492.16	-341.86
Outlet flow	-14967.08	-16648.35	-14587.01
Total	0.34	-0.01	0.01
1683 - Streamflow In (+)/ Out (-) (m3/day)			
Surface runoff	6195.31	6195.31	6195.31
Subsurface runoff	22655.15	28433.86	22655.15
Effluent	43092.14	43092.14	43092.14
Baseflow/River discharge	32566.80	23745.25	32156.29
Sewer to River	2774.30	2774.30	2774.30
Upstream inflow	14967.08	16648.35	14587.01
Outlet flow	-122247.54	-120889.47	-121460.45
Total	3.24	-0.26	-0.25

Table 3. Water balance tables for Groundwater

Water budget for Groundwater (1823+1683)	WSIMOD	Coupled	MODFLOW
Groundwater In (+)/ Out (-) (m3/day)			

GW Recharge (1823)	11170.31	15770.43	11170.31
GW Recharge (1683)	22305.41	36988.44	22305.41
GW abstraction (1823)	-31384.8	-31384.8	-31384.8
GW abstraction (1683)	-7967.10	-7967.10	-7967.10
Reservoir seepage (1823)	13993.15	13993.15	13993.15
Pipe leakage (1823)	7571.50	7571.50	7571.50
Lateral flow (1823)	-779.76	/	-779.76
Lateral flow (1683)	18790.15	/	18790.15
Lateral flow (1823+1683)	/	-5126.91	/
Baseflow/River discharge (1823)	-38.54	(-492.16)	(341.76)
Baseflow/River discharge (1683)	-32566.79	(-23745.25)	(-32156.29)
Baseflow/River discharge (1823+1683)	/	-24237.41	-31814.43
GW Storage (1823)	534.54	/	/
GW Storage (1683)	555.70	/	/
GW Storage (1823+1683)	/	5604.02	1874.99