

Brayden Leach
 Lab 11
 April 14th,2017

Lake SA 8000
 Evap inch/dec 0.72

Inflow Ball Float	Depth (m)	Width (m)	Length (m)	Volume (m3)	Time (s)
trial 1	0.07	0.5	0.915	0.032025	5
trial 2	0.07	0.5	0.915	0.032025	7
trial 3	0.07	0.5	0.915	0.032025	7.5

Inflow Device	Depth (m)	Width (m)	Channel Area(m ²)	Meter Value (m/s)	Volume(m ³)
trial 1	0.01	0.5	0.005	0.2	3.6
trial 2	0.01	0.5	0.005	0.17	3.06
trial 3	0.01	0.5	0.005	0.17	3.06

Outflow Ball Float	Depth (m)	Width (m)	Length (m)	Volume (m3)	Time (s)
trial 1	0.05	0.2	0.9	0.009	6
trial 2	0.05	0.2	0.9	0.009	7
trial 3	0.05	0.2	0.9	0.009	5

Results

Total Inflow			Total Outflow		
Device		18	Device		
Ball Float		18.3	Ball Float		5.502857143
Ave Inflow		18.15			

Inflow/outflow Difference 12.64714286 Unstable by our calculations

Time (hr)	Flowrate (m3/hr)
0.001388889	23.058
0.001944444	16.47
0.002083333	15.372

Flowrate (m3/hr)
18
18
18

Time(hr)	Flowrate (m3/hr)
0.001666667	5.4
0.001944444	4.628571429
0.001388889	6.48



