

B8.0 WEIR Flow Calculator

(all primary devices are sharp crested weirs)

RECTANGULAR WEIR with End Contractions

Hmax= 3.00

RECTANGULAR WEIR without End Contractions

Hmax= 4.00

TRAPEZOIDAL (CIPOLLETTI) WEIR

Note: Side Slope Must Be 1:4

Hmax= 2.50

TRIANGULAR (V-Notch) WEIR

Hmax= 1.50

45 Degree		TRIANGULAR (V-Notch) WEIR										FLOW TABLE			Step Value= 0.01
Head in Ft.	CFS	GPS	GPM	GPH	GPD	MGD	Ac-Ft/Yr	LPS	LPM	LPH	CMS	CMM	CM/Yr		
0.00	0.00	0	0	0	0	0.0000	0	0	0	0	0	0.00	0		
0.01	0.00	0	0	0	7	0.0000	0	0	0	1	2.9308E-07	0.00	9		
0.02	0.00	0	0	2	38	0.0000	0	0	0	6	1.6579E-06	0.00	52		
0.03	0.00	0	0	4	104	0.0001	0	0	0	16	4.5686E-06	0.00	144		
0.04	0.00	0	0	9	214	0.0002	0	0	1	34	9.3785E-06	0.00	296		
0.05	0.00	0	0	16	374	0.0004	0	0	1	59	1.6384E-05	0.00	517		