



Small 60-Degree-V Trapezoidal Flume Discharge Table

80% Submergence Transition ±2-5% Accuracy

Formulas (H in feet): CFS = 1.55 H_{ft}^{2.58}
 Formulas (H in meters): L/S = 941.2 H_m^{2.58}

GPM = 695.6 H_{ft}^{2.58} MGD = 1.002 H_{ft}^{2.58}
 M3/HR = 3388 H_m^{2.58}

FEET	INCHES	METERS	CFS	GPM	MGD	L/S	M3/HR
0.01	0.12	0.0030	Excessive error due to fluid-flow properties and boundary conditions				
0.02	0.24	0.0061					
0.03	0.36	0.0091					
0.04	0.48	0.0122					
0.05	0.60	0.0152					
0.06	0.72	0.0183					
0.07	0.84	0.0213					
0.08	0.96	0.0244					
0.09	1.08	0.0274	0.0031	1.394	0.0020	0.0880	0.317
0.10	1.20	0.0305	0.0041	1.830	0.0026	0.1155	0.415
0.11	1.32	0.0335	0.0052	2.340	0.0034	0.1476	0.531
0.12	1.44	0.0366	0.0065	2.929	0.0042	0.1848	0.665
0.13	1.56	0.0396	0.0080	3.600	0.0052	0.2272	0.817
0.14	1.68	0.0427	0.0097	4.359	0.0063	0.2751	0.990
0.15	1.80	0.0457	0.0116	5.208	0.0075	0.3287	1.183
0.16	1.92	0.0488	0.0137	6.152	0.0089	0.3882	1.397
0.17	2.04	0.0518	0.0160	7.194	0.0104	0.4539	1.633
0.18	2.16	0.0549	0.0186	8.337	0.0120	0.5261	1.893
0.19	2.28	0.0579	0.0214	9.584	0.0138	0.6048	2.176
0.20	2.40	0.0610	0.0244	10.94	0.0158	0.6904	2.484
0.21	2.52	0.0640	0.0276	12.41	0.0179	0.7830	2.817
0.22	2.64	0.0671	0.0312	13.99	0.0201	0.8828	3.177
0.23	2.76	0.0701	0.0350	15.69	0.0226	0.9901	3.563
0.24	2.88	0.0732	0.0390	17.51	0.0252	1.105	3.976
0.25	3.00	0.0762	0.0434	19.46	0.0280	1.228	4.418
0.26	3.12	0.0792	0.0480	21.53	0.0310	1.358	4.888
0.27	3.24	0.0823	0.0529	23.73	0.0342	1.497	5.388

