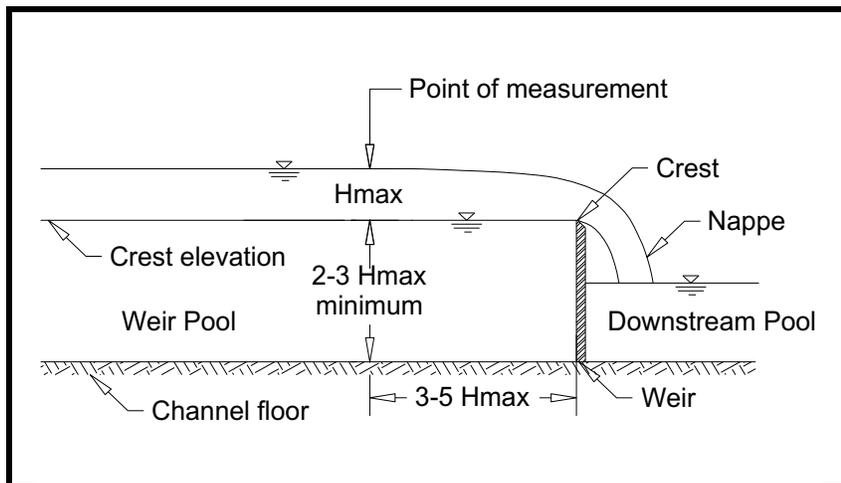


Formulas (H in feet): CFS = 5.051 H<sub>ft.</sub><sup>1.5</sup>      GPM = 2267 H<sub>ft.</sub><sup>1.5</sup>      MGD = 3.264 H<sub>ft.</sub><sup>1.5</sup>  
 Formulas (H in meters): L/S = 743.6 H<sub>m</sub><sup>1.5</sup>      M3/HR = 2677 H<sub>m</sub><sup>1.5</sup>

FEET	INCHES	METERS	CFS	GPM	MGD	L/S	M3/HR
0.01	0.12	0.0030					
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					
0.10	1.20	0.0305					
0.11	1.32	0.0335					
0.12	1.44	0.0366					
0.13	1.56	0.0396					
0.14	1.68	0.0427					
0.15	1.80	0.0457					
0.16	1.92	0.0488					
0.17	2.04	0.0518					
0.18	2.16	0.0549					
0.19	2.28	0.0579					
0.20	2.40	0.0610	0.4518	202.8	0.2920	12.79	46.04
0.21	2.52	0.0640	0.4861	218.2	0.3142	13.77	49.53
0.22	2.64	0.0671	0.5212	233.9	0.3369	14.76	53.11
0.23	2.76	0.0701	0.5571	250.0	0.3601	15.78	56.77
0.24	2.88	0.0732	0.5939	266.5	0.3838	16.82	60.52
0.25	3.00	0.0762	0.6314	283.4	0.4081	17.88	64.34
0.26	3.12	0.0792	0.6696	300.5	0.4328	18.96	68.24
0.27	3.24	0.0823	0.7086	318.0	0.4580	20.07	72.21
0.28	3.36	0.0853	0.7484	335.9	0.4837	21.19	76.26
0.29	3.48	0.0884	0.7888	354.0	0.5098	22.34	80.38
0.30	3.60	0.0914	0.8300	372.5	0.5364	23.50	84.57

Nappe may cling to downstream weir face





# 1 1/2-Foot [45.72 cm] Cipolletti Weir Discharge Table

±5% Accuracy

Formulas (H in feet): CFS = 5.051 H<sub>ft.</sub><sup>1.5</sup>      GPM = 2267 H<sub>ft.</sub><sup>1.5</sup>      MGD = 3.264 H<sub>ft.</sub><sup>1.5</sup>  
 Formulas (H in meters): L/S = 743.6 H<sub>m</sub><sup>1.5</sup>      M3/HR = 2677 H<sub>m</sub><sup>1.5</sup>

FEET	INCHES	METERS	CFS	GPM	MGD	L/S	M3/HR
0.31	3.72	0.0945	0.8718	391.3	0.5634	24.69	88.84
0.32	3.84	0.0975	0.9143	410.4	0.5909	25.89	93.17
0.33	3.96	0.1006	0.9575	429.7	0.6188	27.12	97.57
0.34	4.08	0.1036	1.001	449.4	0.6472	28.36	102.0
0.35	4.20	0.1067	1.046	469.4	0.6759	29.62	106.6
0.36	4.32	0.1097	1.091	489.6	0.7051	30.90	111.2
0.37	4.44	0.1128	1.137	510.2	0.7347	32.19	115.8
0.38	4.56	0.1158	1.183	531.0	0.7647	33.51	120.6
0.39	4.68	0.1189	1.230	552.1	0.7951	34.84	125.4
0.40	4.80	0.1219	1.278	573.5	0.8259	36.19	130.2
0.41	4.92	0.1250	1.326	595.1	0.8570	37.55	135.1
0.42	5.04	0.1280	1.375	617.0	0.8886	38.94	140.1
0.43	5.16	0.1311	1.424	639.2	0.9205	40.33	145.1
0.44	5.28	0.1341	1.474	661.6	0.9528	41.75	150.2
0.45	5.40	0.1372	1.525	684.3	0.9854	43.18	155.4
0.46	5.52	0.1402	1.576	707.2	1.018	44.63	160.6
0.47	5.64	0.1433	1.628	730.4	1.052	46.09	165.8
0.48	5.76	0.1463	1.680	753.9	1.086	47.57	171.2
0.49	5.88	0.1494	1.732	777.5	1.120	49.06	176.5
0.50	6.00	0.1524	1.786	801.5	1.154	50.57	182.0
0.51	6.12	0.1554	1.840	825.6	1.189	52.10	187.5
0.52	6.24	0.1585	1.894	850.0	1.224	53.64	193.0
0.53	6.36	0.1615	1.949	874.7	1.260	55.19	198.6
0.54	6.48	0.1646	2.004	899.5	1.295	56.76	204.2
0.55	6.60	0.1676	2.060	924.6	1.332	58.35	209.9
0.56	6.72	0.1707	2.117	950.0	1.368	59.94	215.7
0.57	6.84	0.1737	2.174	975.5	1.405	61.56	221.5
0.58	6.96	0.1768	2.231	1001	1.442	63.18	227.3
0.59	7.08	0.1798	2.289	1027	1.479	64.83	233.3
0.60	7.20	0.1829	2.347	1054	1.517	66.48	239.2
0.61	7.32	0.1859	2.406	1080	1.555	68.15	245.2
0.62	7.44	0.1890	2.466	1107	1.594	69.83	251.3
0.63	7.56	0.1920	2.526	1134	1.632	71.53	257.4
0.64	7.68	0.1951	2.586	1161	1.671	73.24	263.5
0.65	7.80	0.1981	2.647	1188	1.711	74.96	269.7
0.66	7.92	0.2012	2.708	1215	1.750	76.70	276.0
0.67	8.04	0.2042	2.770	1243	1.790	78.45	282.3
0.68	8.16	0.2073	2.832	1271	1.831	80.21	288.6
0.69	8.28	0.2103	2.895	1299	1.871	81.99	295.0
0.70	8.40	0.2134	2.958	1328	1.912	83.78	301.4
0.71	8.52	0.2164	3.022	1356	1.953	85.58	307.9
0.72	8.64	0.2195	3.086	1385	1.994	87.39	314.4
0.73	8.76	0.2225	3.150	1414	2.036	89.22	321.0
0.74	8.88	0.2256	3.215	1443	2.078	91.06	327.6
0.75	9.00	0.2286	3.281	1472	2.120	92.91	334.3

Sources: [Shen, J., Preliminary Report on the Discharge Characteristics of Trapezoidal-Notch Thin-Plate Weirs](#), US Geological Survey, July, 1959  
[Isco Open Channel Flow Measurement Handbook](#), 6th Edition