Table 5. Flow over 90° V-notch weirs in cubic feet per second.*

Head H		Discharge Q	Head H		Discharge Q	Head H		Discharge Q
Feet or Inches		Sec-feet	Feet or Inches		Sec-feet	Feet or Inches		Sec-feet
.10	1-3/16	0.008	.50	6	0.445	.90	10-13/16	1.92
.11	1-5/16	0.010	.51	6-1/8	0.468	.91	10-15/16	1.97
.12	1-7/16	0.012	.52	6-1/4	0.491	.92	11-1/16	2.02
.13	1-9/16	0.016	.53	5-3/8	0.515	.93	11-3/16	2.08
.14	1-11/16	0.019	.54	6-1/2	0.539	.94	11-1/4	2.13
.15	1-13/16	0.022	.55	6-5/8	0.564	.95	11-3/8	2.19
.16	1-15/16	0.026	.56	6-3/4	0.590	.96	11-1/2	2.25
.17	2-1/16	0.031	.57	6-13/16	0.617	.97	11-5/8	2.31
.18	2-3/16	0.035	.58	6-15/16	0.644	.98	11-3/4	2.37
.19	2-1/4	0.040	.59	7-1/16	0.672	.99	11-7/8	2.43
.20	2-3/8	0.046	.60	7-3/16	0.700	1.00	12	2.49
.21	2-1/2	0.052	.61	7-5/16	0.730	1.01	12-1/8	2.55
.22	2-5/8	0.058	.62	7-7/16	0.760	1.02	12-1/4	2.61
.23	2-3/4	0.065	.63	7-9/16	0.790	1.03	12-3/8	2.68
.24	2-7/8	0.072	.64	7-11/16	0.822	1.04	12-1/2	2.74
.25	3	0.080	.65	6-13/16	0.854	1.05	12-5/8	2.81
.26	3-1/8	0.088	.66	7-15/16	0.887	1.06	12-3/4	2.87
.27	3-1/4	0.096	.67	8-1/16	0.921	1.07	12-13/16	2.94
.28	3-3/8	0.106	.68	8-3/16	0.955	1.08	12-15/16	3.01
.29	3-1/2	0.115	.69	8-1/4	0.991	1.09	13-1/16	3.08
.30	3-5/8	0.125	.70	8-3/8	1.03	1.10	13-3/16	3.15
.31	3-3/4	0.136	.71	8-1/2	1.06	1.11	13-5/16	3.22
.32	3-13/16	0.147	.72	8-5/8	1.10	1.12	15-7/16	3.30
.33	3-15/16	0.159	.73	8-3/4	1.14	1.13	13-9/16	3.37
.34	4-1/16	0.171	.74	8-7/8	1.18	1.14	13-11/16	3.44
.35	4-3/16	0.184	.75	9	1.22	1.15	13-13/16	3.52
.36	4-5/16	0.197	.76	9-1/8	1.26	1.16	13-15/16	3.59
.37	4-7/16	0.211	.77	9-1/4	1.30	1.17	14-3/16	3.67
.38	4-9/16	0.225	.78	9-3/8	1.34	1.18	14-5/16	3.75
.39	4-11/16	0.240	.79	9-1/2	1.39	1.19	14-1/4	3.83
.40	4-13/16	0.256	.80	9-5/8	1.43	1.20	14-3/8	3.91
.41	4-15/16	0.272	.81	9-3/4	1.48	1.21	14-1/2	3.99
.42	5-1/16	0.289	.82	9-13/16	1.52	1.22	14-5/8	4.07
.43	5-3/16	0.306	.83	9-15/16	1.57	1.23	14-3/4	4.16
.44	5-1/4	0.324	.84	10-1/16	1.61	1.24	14-7/8	4.24
.45	5-3/8	0.343	.85	10-3/16	1.66	1.25	15	4.33
.46	5-1/2	0.362	.86	10-5/16	1.71			
.47	5-5/8	0.382	.87	10-7/16	1.76			
.48	5-3/4	0.403	.88	10-9/16	1.81			
.49	5-7/8	0.424	.89	10-11/16	1.86			

* Computed from Cones formula: $Q=2.49H^{2.48}$

Table 6. Flow through rectangular submerged orifices in cubic feet per second*

Effective Head H		Cross-sectional area, A, of orifice						
In feet	In inches	0.25 sq. ft.	0.333 sq. ft.	0.50 sq. ft.	0.75 sq. ft.	1.00 sq. ft.	1.50 sq. ft.	2.00 sq. ft.
0.01	1/8	0.122	0.163	0.245	0.367	0.489	0.73	0.98
0.02	1/4	0.173	0.230	0.346	0.518	0.691	1.04	1.38
0.03	3/8	0.212	0.282	0.424	0.635	0.847	1.27	1.69
0.04	1/2	0.245	0.326	0.489	0.734	0.978	1.47	1.96
0.05	5/8	0.273	0.364	0.546	0.820	1.09	1.64	2.19
0.06	3/4	0.300	0.399	0.599	0.899	1.20	1.80	2.40