

**Table A7-3.** Discharge of standard suppressed rectangular weirs  
in ft<sup>3</sup>/sec. Computed from the formula  $Q=3.33Lh_1^{1.5}$

Head $h_1$ , ft	Weir Length, $L$ , ft					
	1.0	1.5	2.0	3.0	4.0	5.0
0.20	0.298	0.447	0.596	0.894	1.19	1.49
.21	.320	.481	.641	.961	1.28	1.60
.22	.344	.515	.687	1.03	1.37	1.72
.23	.367	.551	.735	1.10	1.47	1.84
.24	.392	.587	.783	1.17	1.57	1.96
.25	.416	.624	.833	1.25	1.67	2.08
.26	.441	.662	.883	1.32	1.77	2.21
.27	.467	.701	.934	1.40	1.87	2.34
.28	.493	.740	.987	1.48	1.97	2.47
.29	.520	.780	1.04	1.56	2.08	2.60
.30	.547	.821	1.09	1.64	2.19	2.74
.31	.575	.862	1.15	1.72	2.30	2.87
.32	.603	.904	1.21	1.81	2.41	3.01
.33	.631	.947	1.26	1.89	2.53	3.16
.34	----	.990	1.32	1.98	2.64	3.30
.35	----	1.03	1.38	2.07	2.76	3.45
.36	----	1.08	1.44	2.16	2.88	3.60
.37	----	1.12	1.50	2.25	3.00	3.75
.38	----	1.17	1.56	2.34	3.12	3.90
.39	----	1.22	1.62	2.43	3.24	4.06
.40	----	1.26	1.68	2.53	3.37	4.21
.41	----	1.31	1.75	2.62	3.50	4.37
.42	----	1.36	1.81	2.72	3.63	4.53
.43	----	1.41	1.88	2.82	3.76	4.69
.44	----	1.46	1.94	2.92	3.89	4.86
.45	----	1.51	2.01	3.02	4.02	5.03
.46	----	1.56	2.08	3.12	4.16	5.19
.47	----	1.61	2.15	3.22	4.29	5.36
.48	----	1.66	2.21	3.32	4.43	5.54
.49	----	1.71	2.28	3.43	4.57	5.71
.50	----	1.77	2.35	3.53	4.71	5.89
.51	----	----	2.43	3.64	4.85	6.06
.52	----	----	2.50	3.75	4.99	6.24
.53	----	----	2.57	3.85	5.14	6.42
.54	----	----	2.64	3.96	5.29	6.61
.55	----	----	2.72	4.07	5.43	6.79
.56	----	----	2.79	4.19	5.58	6.98
.57	----	----	2.87	4.30	5.73	7.17
.58	----	----	2.94	4.41	5.88	7.35
.59	----	----	3.02	4.53	6.04	7.55
.60	----	----	3.10	4.64	6.19	7.74
.61	----	----	3.17	4.76	6.35	7.93
.62	----	----	3.25	4.88	6.50	8.13
.63	----	----	3.33	5.00	6.66	8.33
.64	----	----	3.41	5.11	6.82	8.52

**Table A7-3 [continued].** Discharge of standard suppressed rectangular weirs in ft<sup>3</sup>/sec. Computed from the formula  $Q=3.33Lh_1^{1.5}$

Head $h_1$ , ft	Weir Length, $L$ , ft				Head $h_1$ , ft	Weir Length, $L$ , ft		Head $h_1$ , ft	$L$ 5.0
	2.0	3.0	4.0	5.0		4.0	5.0		
0.65	3.49	5.24	6.98	8.73	1.10	15.4	19.2	1.55	32.1
.66	3.57	5.36	7.14	8.93	1.11	15.6	19.5	1.56	32.4
.67	3.65	5.48	7.30	9.13	1.12	15.8	19.7	1.57	32.8
.68	----	5.60	7.47	9.34	1.13	16.0	20.0	1.58	33.1
.69	----	5.73	7.63	9.54	1.14	16.2	20.3	1.59	33.4
.70	----	5.85	7.80	9.75	1.15	16.4	20.5	1.60	33.7
.71	----	5.98	7.97	9.96	1.16	16.6	20.8	1.61	34.0
.72	----	6.10	8.14	10.2	1.17	16.9	21.1	1.62	34.3
.73	----	6.23	8.31	10.4	1.18	17.1	21.3	1.63	34.6
.74	----	6.36	8.48	10.6	1.19	17.3	21.6	1.64	35.0
.75	----	6.49	8.65	10.8	1.20	17.5	21.9	1.65	35.3
.76	----	6.62	8.83	11.0	1.21	17.7	22.2	1.66	35.6
.77	----	6.75	9.00	11.2	1.22	17.9	22.4	1.67	35.9
.78	----	6.88	9.18	11.5	1.23	18.2	22.7		
.79	----	7.01	9.35	11.7	1.24	18.4	23.0		
.80	----	7.15	9.53	11.9	1.25	18.6	23.3		
.81	----	7.28	9.71	12.1	1.26	18.8	23.5		
.82	----	7.42	9.89	12.4	1.27	19.1	23.8		
.83	----	7.55	10.1	12.6	1.28	19.3	24.1		
.84	----	7.69	10.3	12.8	1.29	19.5	24.4		
.85	----	7.83	10.4	13.0	1.30	19.7	24.7		
.86	----	7.97	10.6	13.3	1.31	20.0	25.0		
.87	----	8.11	10.8	13.5	1.32	20.2	25.3		
.88	----	8.25	11.0	13.7	1.33	20.4	25.5		
.89	----	8.39	11.2	14.0	1.34	----	25.8		
.90	----	8.53	11.4	14.2	1.35	----	26.1		
.91	----	8.67	11.6	14.5	1.36	----	26.4		
.92	----	8.82	11.8	14.7	1.37	----	26.7		
.93	----	8.96	11.9	14.9	1.38	----	27.0		
.94	----	9.10	12.1	15.2	1.39	----	27.3		
.95	----	9.25	12.3	15.4	1.40	----	27.6		
.96	----	9.40	12.5	15.7	1.41	----	27.9		
.97	----	9.54	12.7	15.9	1.42	----	28.2		
.98	----	9.69	12.9	16.2	1.43	----	28.5		
.99	----	9.84	13.1	16.4	1.44	----	28.8		
1.00	----	9.99	13.3	16.7	1.45	----	29.1		
1.01	----	----	13.5	16.9	1.46	----	29.4		
1.02	----	----	13.7	17.2	1.47	----	29.7		
1.03	----	----	13.9	17.4	1.48	----	30.0		
1.04	----	----	14.1	17.7	1.49	----	30.3		
1.05	----	----	14.3	17.9	1.50	----	30.6		
1.06	----	----	14.5	18.2	1.51	----	30.9		
1.07	----	----	14.7	18.4	1.52	----	31.2		
1.08	----	----	14.9	18.7	1.53	----	31.5		
1.09	----	----	15.2	18.9	1.54	----	31.8		