

TABLE 4: RECTANGULAR CONTRACTED WEIRS

Free flow in cubic feet per second (cfs) over various crest lengths							
Head, in feet	1.0 feet	1.5 feet	2.0 feet	3.0 feet	4.0 feet		For each additional foot of crest in excess of 4 ft.
.10	.105	.158	.212	.319	.427		.107
.11	.121	.182	.244	.367	.491		.124
.12	.137	.207	.277	.418	.558		.141
.13	.155	.233	.312	.470	.628		.158
.14	.172	.260	.348	.524	.701		.177
.15	.191	.288	.385	.581	.776		.196
.16	.210	.316	.424	.639	.854		.215
.17	.229	.346	.463	.698	.934		.236
.18	.249	.376	.504	.760	1.02		.256
.19	.270	.407	.545	.823	1.10		.278
.20	.291	.439	.588	.887	1.19		.300
.21	.313	.472	.632	.953	1.28		.322
.22	.335	.505	.677	1.02	1.37		.35
.23	.357	.539	.723	1.09	1.46		.37
.24	.380	.574	.769	1.16	1.55		.39
.25	.404	.610	.817	1.23	1.65		.42
.26	.428	.646	.865	1.31	1.75		.44
.27	.452	.682	.915	1.38	1.85		.47
.28	.477	.720	.965	1.46	1.95		.49
.29	.502	.758	1.02	1.53	2.05		.52
.30	.527	.797	1.07	1.61	2.16		.55
.31	.553	.836	1.12	1.69	2.27		.57
.32	.580	.876	1.17	1.77	2.37		.60
.33	.606	.916	1.23	1.86	2.48		.63
.34	.633	.957	1.28	1.94	2.60		.66
.35	.661	1.00	1.34	2.02	2.71		.69
.36	.689	1.04	1.40	2.11	2.82		.72
.37	.717	1.08	1.45	2.20	2.94		.74
.38	.745	1.13	1.51	2.28	3.06		.77
.39	.774	1.17	1.57	2.37	3.18		.81
.40	.804	1.21	1.63	2.46	3.30		.84
.41	.833	1.26	1.69	2.55	3.42		.87
.42	.863	1.31	1.75	2.65	3.54		.90
.43	.893	1.35	1.81	2.74	3.67		.93
.44	.924	1.40	1.87	2.83	3.80		.96
.45	.955	1.44	1.94	2.93	3.92		1.00
.46	.986	1.49	2.00	3.03	4.05		1.03
.47	1.02	1.54	2.07	3.12	4.18		1.06
.48	1.05	1.59	2.13	3.22	4.32		1.09
.49	1.08	1.64	2.20	3.32	4.45		1.13

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Free flow in cubic feet per second (cfs) over various crest lengths						
Head, in feet	1.0 feet	1.5 feet	2.0 feet	3.0 feet	4.0 feet	For each additional foot of crest in excess of 4 ft.
.50	1.11	1.68	2.26	3.42	4.58	1.16
.51	1.15	1.73	2.33	3.52	4.72	1.20
.52	1.18	1.78	2.40	3.62	4.86	1.23
.53	1.21	1.84	2.46	3.73	4.99	1.27
.54	1.25	1.89	2.53	3.83	5.13	1.30
.55	1.28	1.94	2.60	3.94	5.27	1.34
.56	1.31	1.99	2.67	4.04	5.42	1.38
.57	1.35	2.04	2.74	4.15	5.56	1.41
.58	1.38	2.09	2.81	4.26	5.70	1.45
.59	1.42	2.15	2.88	4.36	5.85	1.49
.60	1.45	2.20	2.96	4.47	6.00	1.52
.61	1.49	2.25	3.03	4.58	6.14	1.56
.62	1.52	2.31	3.10	4.69	6.29	1.60
.63	1.56	2.36	3.17	4.81	6.44	1.64
.64	1.60	2.42	3.25	4.92	6.59	1.68
.65	1.63	2.47	3.32	5.03	6.75	1.71
.66	1.67	2.53	3.40	5.15	6.90	1.75
.67	1.71	2.59	3.47	5.26	7.05	1.79
.68	1.74	2.64	3.55	5.38	7.21	1.83
.69	1.78	2.70	3.63	5.49	7.37	1.87
.70	1.82	2.76	3.70	5.61	7.52	1.91
.71	1.86	2.81	3.78	5.73	7.68	1.95
.72	1.90	2.87	3.86	5.85	7.84	1.99
.73	1.93	2.93	3.94	5.97	8.00	2.04
.74	1.97	2.99	4.02	6.09	8.16	2.08
.75	2.01	3.05	4.10	6.21	8.33	2.12
.76	2.05	3.11	4.18	6.33	8.49	2.16
.77	2.09	3.17	4.26	6.46	8.66	2.20
.78	2.13	3.23	4.34	6.58	8.82	2.25
.79	2.17	3.29	4.42	6.70	8.99	2.29
.80	2.21	3.35	4.51	6.83	9.16	2.33
.81	2.25	3.41	4.59	6.95	9.33	2.37
.82	2.29	3.47	4.67	7.08	9.50	2.42
.83	2.33	3.54	4.76	7.21	9.67	2.46
.84	2.37	3.60	4.84	7.34	9.84	2.51
.85	2.41	3.66	4.92	7.46	10.01	2.55
.86	2.46	3.72	5.01	7.59	10.19	2.59
.87	2.50	3.79	5.09	7.72	10.36	2.64
.88	2.54	3.85	5.18	7.85	10.54	2.68
.89	2.58	3.92	5.27	7.99	10.71	2.73

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Free flow in cubic feet per second (cfs) over various crest lengths						
Head, in feet	1.0 feet	1.5 feet	2.0 feet	3.0 feet	4.0 feet	For each additional foot of crest in excess of 4 feet
.90	2.62	3.98	5.35	8.12	10.89	2.78
.91	2.67	4.05	5.44	8.25	11.07	2.82
.92	2.71	4.11	5.53	8.38	11.25	2.87
.93	2.75	4.18	5.62	8.52	11.43	2.91
.94	2.80	4.24	5.71	8.65	11.61	2.96
.95	2.84	4.31	5.79	8.79	11.79	3.01
.96	2.88	4.37	5.88	8.92	11.98	3.05
.97	2.93	4.44	5.97	9.06	12.16	3.10
.98	2.97	4.51	6.06	9.20	12.34	3.15
.99	3.01	4.57	6.16	9.34	12.53	3.20
1.00	3.06	4.64	6.25	9.48	12.72	3.24
1.01	3.10	4.71	6.34	9.62	12.90	3.29
1.02	...	4.78	6.43	9.76	13.09	3.34
1.03	...	4.85	6.52	9.90	13.28	3.39
1.04	...	4.92	6.62	10.04	13.47	3.44
1.05	...	4.98	6.71	10.18	13.66	3.49
1.06	...	5.05	6.80	10.32	13.85	3.54
1.07	...	5.12	6.90	10.47	14.05	3.58
1.08	...	5.19	6.99	10.61	14.24	3.63
1.09	...	5.26	7.09	10.75	14.43	3.68
1.10	...	5.33	7.18	10.90	14.63	3.73
1.11	...	5.41	7.28	11.05	14.83	3.78
1.12	...	5.48	7.37	11.19	15.02	3.84
1.13	...	5.55	7.47	11.34	15.22	3.89
1.14	...	5.62	7.57	11.49	15.42	3.94
1.15	...	5.69	7.66	11.63	15.62	3.99
1.16	...	5.76	7.76	11.78	15.82	4.04
1.17	...	5.84	7.86	11.93	16.02	4.09
1.18	...	5.91	7.96	12.08	16.22	4.14
1.19	...	5.98	8.06	12.23	16.42	4.20
1.20	...	6.06	8.16	12.38	16.63	4.25
1.21	...	6.13	8.25	12.54	16.83	4.30
1.22	...	6.20	8.35	12.69	17.04	4.35
1.23	...	6.28	8.46	12.84	17.24	4.41
1.24	...	6.35	8.56	12.99	17.45	4.46
1.25	...	6.43	8.66	13.15	17.65	4.51
1.26	...	...	...	13.30	17.86	4.57
1.27	...	...	...	13.46	18.07	4.62
1.28	...	...	...	13.61	18.28	4.67
1.29	...	...	...	13.77	18.49	4.73