



770.664.6513 (V) 770.664.6565 (F)

Discharge Table

For

12" 45° SRCRC (#1) Trapezoidal Flume

Document: TRAP-12-45-D-T Rev.: 0 Date: May 16, 2000 By: Jon Wachter

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
0.01	0.12			
0.02	0.24			
0.03	0.36			
0.04	0.48			
0.05	0.60			
0.06	0.72			
0.07	0.84			
0.08	0.96			
0.09	1.08			
0.10	1.20			
0.11	1.32			
0.12	1.44			
0.13	1.56			
0.14	1.68			
0.15	1.80			
0.16	1.92			
0.17	2.04			
0.18	2.16			
0.19	2.28			
0.20	2.40	0.1641	73.66	0.106
0.21	2.52	0.1759	78.95	0.114
0.22	2.64	0.1883	84.52	0.122
0.23	2.76	0.2014	90.40	0.130
0.24	2.88	0.2152	96.59	0.139
0.25	3.00	0.2297	103.1	0.148
0.26	3.12	0.2449	109.9	0.158
0.27	3.24	0.2607	117.0	0.169
0.28	3.36	0.2773	124.5	0.179
0.29	3.48	0.2947	132.2	0.190
0.30	3.60	0.3127	140.4	0.202
0.31	3.72	0.3316	148.8	0.214
0.32	3.84	0.3511	157.6	0.227
0.33	3.96	0.3715	166.7	0.240
0.34	4.08	0.3926	176.2	0.254
0.35	4.20	0.4145	186.0	0.268
0.36	4.32	0.4372	196.2	0.283
0.37	4.44	0.4608	206.8	0.298
0.38	4.56	0.4851	217.7	0.314
0.39	4.68	0.5102	229.0	0.330
0.40	4.80	0.5362	240.7	0.347
0.41	4.92	0.5631	252.7	0.364
0.42	5.04	0.5907	265.1	0.382
0.43	5.16	0.6193	277.9	0.400
0.44	5.28	0.6487	291.1	0.419
0.45	5.40	0.6789	304.7	0.439
0.46	5.52	0.7101	318.7	0.459
0.47	5.64	0.7422	333.1	0.480
0.48	5.76	0.7751	347.9	0.501
0.49	5.88	0.8090	363.1	0.523
0.50	6.00	0.8437	378.7	0.545

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
0.51	6.12	0.8794	394.7	0.568
0.52	6.24	0.9160	411.1	0.592
0.53	6.36	0.9536	428.0	0.616
0.54	6.48	0.9921	445.3	0.641
0.55	6.60	1.0316	463.0	0.667
0.56	6.72	1.0720	481.1	0.693
0.57	6.84	1.1134	499.7	0.720
0.58	6.96	1.1558	518.7	0.747
0.59	7.08	1.1991	538.2	0.775
0.60	7.20	1.2435	558.1	0.804
0.61	7.32	1.2888	578.4	0.833
0.62	7.44	1.3352	599.2	0.863
0.63	7.56	1.3826	620.5	0.894
0.64	7.68	1.4310	642.2	0.925
0.65	7.80	1.4804	664.4	0.957
0.66	7.92	1.5308	687.0	0.989
0.67	8.04	1.5823	710.2	1.023
0.68	8.16	1.6349	733.7	1.057
0.69	8.28	1.6885	757.8	1.091
0.70	8.40	1.7431	782.3	1.127
0.71	8.52	1.7989	807.3	1.163
0.72	8.64	1.8557	832.8	1.199
0.73	8.76	1.9136	858.8	1.237
0.74	8.88	1.9726	885.3	1.275
0.75	9.00	2.0327	912.3	1.314
0.76	9.12	2.0938	939.7	1.353
0.77	9.24	2.1561	967.7	1.394
0.78	9.36	2.2196	996.1	1.434
0.79	9.48	2.2841	1025	1.476
0.80	9.60	2.3498	1055	1.519
0.81	9.72	2.4166	1085	1.562
0.82	9.84	2.4845	1115	1.606
0.83	9.96	2.5536	1146	1.650
0.84	10.08	2.6238	1178	1.696
0.85	10.20	2.6952	1210	1.742
0.86	10.32	2.7678	1242	1.789
0.87	10.44	2.8416	1275	1.837
0.88	10.56	2.9165	1309	1.885
0.89	10.68	2.9926	1343	1.934
0.90	10.80	3.0699	1378	1.984
0.91	10.92	3.1485	1413	2.035
0.92	11.04	3.2282	1449	2.086
0.93	11.16	3.3091	1485	2.139
0.94	11.28	3.3912	1522	2.192
0.95	11.40	3.4746	1559	2.246
0.96	11.52	3.5592	1597	2.300
0.97	11.64	3.6450	1636	2.356
0.98	11.76	3.7321	1675	2.412
0.99	11.88	3.8204	1715	2.469
1.00	12.00	3.9100	1755	2.527



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LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
1.01	12.12	4.0008	1796	2.586
1.02	12.24	4.0929	1837	2.645
1.03	12.36	4.1863	1879	2.706
1.04	12.48	4.2809	1921	2.767
1.05	12.60	4.3769	1964	2.829
1.06	12.72	4.4741	2008	2.892
1.07	12.84	4.5726	2052	2.955
1.08	12.96	4.6724	2097	3.020
1.09	13.08	4.7735	2142	3.085
1.10	13.20	4.8759	2188	3.151
1.11	13.32	4.9796	2235	3.218
1.12	13.44	5.0847	2282	3.286
1.13	13.56	5.1910	2330	3.355
1.14	13.68	5.2988	2378	3.425
1.15	13.80	5.4078	2427	3.495
1.16	13.92	5.5182	2477	3.566
1.17	14.04	5.6299	2527	3.639
1.18	14.16	5.7430	2577	3.712
1.19	14.28	5.8575	2629	3.786
1.20	14.40	5.9733	2681	3.861