



## Discharge Table For 8" 60° V Trapezoidal Flume

770.664.6513 (V) 770.664.6565 (F)

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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	0.2247	100.8	0.145
0.21	2.52	0.2431	109.1	0.157
0.22	2.64	0.2622	117.7	0.169
0.23	2.76	0.2819	126.5	0.182
0.24	2.88	0.3022	135.6	0.195
0.25	3.00	0.3231	145.0	0.209
0.26	3.12	0.3446	154.7	0.223
0.27	3.24	0.3668	164.6	0.237
0.28	3.36	0.3895	174.8	0.252
0.29	3.48	0.4128	185.3	0.267
0.30	3.60	0.4368	196.0	0.282
0.31	3.72	0.4613	207.0	0.298
0.32	3.84	0.4864	218.3	0.314
0.33	3.96	0.5122	229.9	0.331
0.34	4.08	0.5385	241.7	0.348
0.35	4.20	0.5655	253.8	0.365
0.36	4.32	0.5930	266.2	0.383
0.37	4.44	0.6212	278.8	0.401
0.38	4.56	0.6500	291.7	0.420
0.39	4.68	0.6794	304.9	0.439
0.40	4.80	0.7094	318.4	0.458
0.41	4.92	0.7400	332.1	0.478
0.42	5.04	0.7712	346.1	0.498
0.43	5.16	0.8030	360.4	0.519
0.44	5.28	0.8354	374.9	0.540
0.45	5.40	0.8685	389.8	0.561
0.46	5.52	0.9021	404.9	0.583
0.47	5.64	0.9364	420.3	0.605
0.48	5.76	0.9713	435.9	0.628
0.49	5.88	1.0068	451.9	0.651
0.50	6.00	1.0430	468.1	0.674

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
0.51	6.12	1.0797	484.59	0.698
0.52	6.24	1.1171	501.37	0.722
0.53	6.36	1.1551	518.43	0.747
0.54	6.48	1.1938	535.77	0.772
0.55	6.60	1.2331	553.39	0.797
0.56	6.72	1.2730	571.30	0.823
0.57	6.84	1.3135	589.49	0.849
0.58	6.96	1.3547	607.97	0.876
0.59	7.08	1.3965	626.73	0.903
0.60	7.20	1.4389	645.77	0.930
0.61	7.32	1.4820	665.11	0.958
0.62	7.44	1.5257	684.73	0.986
0.63	7.56	1.5700	704.64	1.015
0.64	7.68	1.6151	724.84	1.044
0.65	7.80	1.6607	745.32	1.073
0.66	7.92	1.7070	766.10	1.103
0.67	8.04	1.7540	787.17	1.134
0.68	8.16	1.8016	808.54	1.164
0.69	8.28	1.8498	830.19	1.196
0.70	8.40	1.8987	852.14	1.227
0.71	8.52	1.9483	874.39	1.259
0.72	8.64	1.9985	896.93	1.292
0.73	8.76	2.0494	919.77	1.325
0.74	8.88	2.1009	942.90	1.358
0.75	9.00	2.1532	966.34	1.392
0.76	9.12	2.2060	990.07	1.426
0.77	9.24	2.2596	1014.1	1.460
0.78	9.36	2.3138	1038.4	1.495
0.79	9.48	2.3687	1063.1	1.531
0.80	9.60	2.4243	1088.0	1.567
0.81	9.72	2.4805	1113.2	1.603
0.82	9.84	2.5374	1138.8	1.640
0.83	9.96	2.5950	1164.6	1.677
0.84	10.08	2.6533	1190.8	1.715
0.85	10.20	2.7123	1217.3	1.753
0.86	10.32	2.7719	1244.0	1.791
0.87	10.44	2.8322	1271.1	1.830
0.88	10.56	2.8933	1298.5	1.870
0.89	10.68	2.9550	1326.2	1.910
0.90	10.80	3.0174	1354.2	1.950
0.91	10.92	3.0805	1382.5	1.991
0.92	11.04	3.1443	1411.2	2.032
0.93	11.16	3.2088	1440.1	2.074
0.94	11.28	3.2740	1469.4	2.116
0.95	11.40	3.3399	1498.9	2.159
0.96	11.52	3.4065	1528.8	2.202
0.97	11.64	3.4738	1559.0	2.245
0.98	11.76	3.5418	1589.6	2.289
0.99	11.88	3.6106	1620.4	2.334
1.00	12.00	3.6800	1651.6	2.378

Source: "Water Measurement in Small Irrigation Channels Using Trapezoidal Flumes," Transactions of the ASCE, (1966), pp. 382-385, 388.



770.664.6513 (V) 770.664.6565 (F)

## Discharge Table For 8" 60° V Trapezoidal Flume

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
1.01	12.12	3.7502	1683.07	2.424
1.02	12.24	3.8210	1714.88	2.470
1.03	12.36	3.8926	1747.01	2.516
1.04	12.48	3.9649	1779.46	2.563
1.05	12.60	4.0380	1812.24	2.610
1.06	12.72	4.1117	1845.34	2.657
1.07	12.84	4.1862	1878.77	2.706
1.08	12.96	4.2614	1912.52	2.754
1.09	13.08	4.3373	1946.60	2.803
1.10	13.20	4.4140	1981.01	2.853
1.11	13.32	4.4914	2015.75	2.903
1.12	13.44	4.5696	2050.82	2.953
1.13	13.56	4.6484	2086.21	3.004
1.14	13.68	4.7280	2121.94	3.056
1.15	13.80	4.8084	2158.01	3.108
1.16	13.92	4.8895	2194.40	3.160
1.17	14.04	4.9713	2231.13	3.213
1.18	14.16	5.0539	2268.20	3.266
1.19	14.28	5.1372	2305.60	3.320
1.20	14.40	5.2213	2343.33	3.375
1.21	14.52	5.3062	2381.41	3.429
1.22	14.64	5.3918	2419.82	3.485
1.23	14.76	5.4781	2458.57	3.540
1.24	14.88	5.5652	2497.66	3.597
1.25	15.00	5.6531	2537.09	3.654
1.26	15.12	5.7417	2576.87	3.711
1.27	15.24	5.8311	2617.0	3.769
1.28	15.36	5.9212	2657.4	3.827
1.29	15.48	6.0121	2698.2	3.886
1.30	15.60	6.1038	2739.4	3.945
1.31	15.72	6.1963	2780.9	4.005
1.32	15.84	6.2895	2822.7	4.065
1.33	15.96	6.3835	2864.9	4.126
1.34	16.08	6.4783	2907.4	4.187
1.35	16.20	6.5738	2950.3	4.249
1.36	16.32	6.6702	2993.6	4.311
1.37	16.44	6.7673	3037.2	4.374
1.38	16.56	6.8652	3081.1	4.437
1.39	16.68	6.9639	3125.4	4.501
1.40	16.80	7.0633	3170.0	4.565
1.41	16.92	7.1636	3215.0	4.630
1.42	17.04	7.2646	3260.4	4.695
1.43	17.16	7.3665	3306.1	4.761
1.44	17.28	7.4691	3352.1	4.827
1.45	17.40	7.5725	3398.6	4.894
1.46	17.52	7.6768	3445.3	4.961
1.47	17.64	7.7818	3492.5	5.029
1.48	17.76	7.8876	3540.0	5.098
1.49	17.88	7.9943	3587.8	5.167
1.50	18.00	8.1017	3636.0	5.236

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
1.51	18.12	8.2099	3684.62	5.306
1.52	18.24	8.3190	3733.56	5.377
1.53	18.36	8.4288	3782.86	5.448
1.54	18.48	8.5395	3832.53	5.519
1.55	18.60	8.6510	3882.57	5.591
1.56	18.72	8.7633	3932.97	5.664
1.57	18.84	8.8764	3983.74	5.737
1.58	18.96	8.9904	4034.87	5.810
1.59	19.08	9.1051	4086.38	5.885
1.60	19.20	9.2207	4138.25	5.959
1.61	19.32	9.3371	4190.49	6.035
1.62	19.44	9.4543	4243.10	6.110
1.63	19.56	9.5724	4296.09	6.187
1.64	19.68	9.6913	4349.45	6.263
1.65	19.80	9.8110	4403.17	6.341
1.66	19.92	9.9315	4457.28	6.419
1.67	20.04	10.0529	4511.76	6.497
1.68	20.16	10.1752	4566.61	6.576
1.69	20.28	10.2982	4621.84	6.656
1.70	20.40	10.4221	4677.45	6.736
1.71	20.52	10.5469	4733.43	6.816
1.72	20.64	10.6724	4789.79	6.898
1.73	20.76	10.7989	4846.54	6.979
1.74	20.88	10.9262	4903.66	7.062
1.75	21.00	11.0543	4961.16	7.144
1.76	21.12	11.1833	5019.05	7.228
1.77	21.24	11.3131	5077.3	7.312
1.78	21.36	11.4438	5136.0	7.396
1.79	21.48	11.5753	5195.0	7.481
1.80	21.60	11.7077	5254.4	7.567
1.81	21.72	11.8409	5314.2	7.653
1.82	21.84	11.9751	5374.4	7.739
1.83	21.96	12.1100	5435.0	7.827
1.84	22.08	12.2459	5495.9	7.915
1.85	22.20	12.3826	5557.3	8.003
1.86	22.32	12.5201	5619.0	8.092
1.87	22.44	12.6586	5681.2	8.181
1.88	22.56	12.7979	5743.7	8.271
1.89	22.68	12.9381	5806.6	8.362
1.90	22.80	13.0791	5869.9	8.453
1.91	22.92	13.2211	5933.6	8.545
1.92	23.04	13.3639	5997.7	8.637
1.93	23.16	13.5076	6062.2	8.730
1.94	23.28	13.6521	6127.1	8.823
1.95	23.40	13.7976	6192.4	8.917
1.96	23.52	13.9439	6258.0	9.012
1.97	23.64	14.0911	6324.1	9.107
1.98	23.76	14.2392	6390.6	9.203
1.99	23.88	14.3882	6457.4	9.299
2.00	24.00	14.5381	6524.7	9.396



770.664.6513 (V) 770.664.6565 (F)

**Discharge Table  
For  
8" 60° V Trapezoidal Flume**

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
2.01	24.12	14.6889	6592.38	9.493
2.02	24.24	14.8406	6660.44	9.591
2.03	24.36	14.9931	6728.92	9.690
2.04	24.48	15.1466	6797.79	9.789
2.05	24.60	15.3010	6867.07	9.889
2.06	24.72	15.4562	6936.75	9.989
2.07	24.84	15.6124	7006.84	10.090
2.08	24.96	15.7694	7077.33	10.192
2.09	25.08	15.9274	7148.23	10.294
2.10	25.20	16.0863	7219.53	10.397
2.11	25.32	16.2461	7291.24	10.500
2.12	25.44	16.4068	7363.36	10.604
2.13	25.56	16.5684	7435.89	10.708
2.14	25.68	16.7309	7508.83	10.813
2.15	25.80	16.8943	7582.18	10.919
2.16	25.92	17.0587	7655.95	11.025
2.17	26.04	17.2240	7730.12	11.132
2.18	26.16	17.3902	7804.70	11.239
2.19	26.28	17.5573	7879.70	11.347
2.20	26.40	17.7253	7955.12	11.456