



Flow Chart for 18" 45° Trapezoidal Flume

Head (feet)	MGD	CFS	GPM
0.25	0.171	0.264	118.55
0.26	0.182	0.282	126.38
0.27	0.194	0.300	134.51
0.28	0.206	0.318	142.94
0.29	0.218	0.338	151.69
0.30	0.231	0.358	160.74
0.31	0.245	0.379	170.12
0.32	0.259	0.401	179.81
0.33	0.273	0.423	189.83
0.34	0.288	0.446	200.18
0.35	0.304	0.470	210.85
0.36	0.319	0.494	221.86
0.37	0.336	0.520	233.21
0.38	0.353	0.546	244.90
0.39	0.370	0.572	256.93
0.40	0.388	0.600	269.31
0.41	0.406	0.628	282.05
0.42	0.425	0.658	295.13
0.43	0.444	0.688	308.58
0.44	0.464	0.718	322.38
0.45	0.485	0.750	336.55
0.46	0.506	0.782	351.08
0.47	0.527	0.815	365.99
0.48	0.549	0.849	381.27
0.49	0.572	0.884	396.92
0.50	0.595	0.920	412.95
0.51	0.618	0.957	429.37
0.52	0.642	0.994	446.17
0.53	0.667	1.032	463.36
0.54	0.693	1.072	480.94
0.55	0.718	1.112	498.91
0.56	0.745	1.153	517.28
0.57	0.772	1.194	536.05
0.58	0.800	1.237	555.22
0.59	0.828	1.281	574.80
0.60	0.856	1.325	594.78
0.61	0.886	1.371	615.18
0.62	0.916	1.417	635.99
0.63	0.946	1.464	657.22
0.64	0.978	1.513	678.86

Head (feet)	MGD	CFS	GPM
0.65	1.008	1.562	700.9
0.66	1.040	1.612	723.4
0.67	1.073	1.663	746.3
0.68	1.106	1.715	769.7
0.69	1.141	1.768	793.5
0.70	1.175	1.822	817.7
0.71	1.211	1.877	842.3
0.72	1.247	1.933	867.4
0.73	1.284	1.990	893.0
0.74	1.321	2.047	919.0
0.75	1.359	2.106	945.4
0.76	1.398	2.166	972.3
0.77	1.437	2.227	999.6
0.78	1.477	2.289	1,027.4
0.79	1.517	2.352	1,055.7
0.80	1.559	2.416	1,084.4
0.81	1.601	2.481	1,113.5
0.82	1.643	2.547	1,143.2
0.83	1.687	2.614	1,173.3
0.84	1.730	2.682	1,203.9
0.85	1.775	2.751	1,234.9
0.86	1.820	2.822	1,266.4
0.87	1.866	2.893	1,298.4
0.88	1.913	2.965	1,330.9
0.89	1.960	3.039	1,363.9
0.90	2.009	3.113	1,397.3
0.91	2.057	3.189	1,431.3
0.92	2.107	3.266	1,465.7
0.93	2.157	3.343	1,500.6
0.94	2.208	3.422	1,536.0
0.95	2.260	3.502	1,571.9
0.96	2.312	3.583	1,608.3
0.97	2.365	3.666	1,645.2
0.98	2.419	3.749	1,682.7
0.99	2.473	3.833	1,720.6
1.00	2.528	3.919	1,759.0
1.01	2.584	4.006	1,797.9
1.02	2.641	4.094	1,837.4
1.03	2.699	4.183	1,877.3
1.04	2.757	4.273	1,917.8



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1.05	2.821	4.364	1,958.80
1.06	2.880	4.457	2,000.32
1.07	2.941	4.550	2,042.35
1.08	3.002	4.645	2,084.92
1.09	3.064	4.741	2,128.01
1.10	3.127	4.838	2,171.63
1.11	3.191	4.937	2,215.78
1.12	3.255	5.036	2,260.47
1.13	3.320	5.137	2,305.69
1.14	3.386	5.239	2,351.46
1.15	3.453	5.342	2,397.76
1.16	3.520	5.447	2,444.60
1.17	3.588	5.552	2,491.99
1.18	3.657	5.659	2,539.92
1.19	3.727	5.767	2,588.41
1.20	3.798	5.876	2,637.44
1.21	3.869	5.987	2,687.02
1.22	3.942	6.098	2,737.17
1.23	4.015	6.211	2,787.86
1.24	4.088	6.326	2,839.12
1.25	4.163	6.441	2,890.94
1.26	4.238	6.558	2,943.32
1.27	4.315	6.676	2,996.26
1.28	4.392	6.795	3,049.78
1.29	4.470	6.915	3,103.86
1.30	4.548	7.037	3,158.51
1.31	4.628	7.160	3,213.73
1.32	4.708	7.285	3,269.53
1.33	4.789	7.410	3,325.91
1.34	4.871	7.537	3,382.86
1.35	4.954	7.665	3,440.40
1.36	5.038	7.795	3,498.52
1.37	5.122	7.926	3,557.22
1.38	5.208	8.058	3,616.51
1.39	5.294	8.191	3,676.39
1.40	5.381	8.326	3,736.86
1.41	5.469	8.462	3,797.92
1.42	5.558	8.599	3,859.58
1.43	5.647	8.738	3,921.83
1.44	5.738	8.878	3,984.68

1.45	5.819	9.019	4,048.1
1.46	5.911	9.162	4,112.2
1.47	6.004	9.306	4,176.8
1.48	6.098	9.451	4,242.1
1.49	6.192	9.598	4,308.0
1.50	6.288	9.746	4,374.4
1.51	6.384	9.896	4,441.5
1.52	6.482	10.047	4,509.2
1.53	6.580	10.199	4,577.6
1.54	6.679	10.352	4,646.5
1.55	6.779	10.507	4,716.0
1.56	6.880	10.664	4,786.2
1.57	6.982	10.821	4,857.0
1.58	7.084	10.981	4,928.4
1.59	7.188	11.141	5,000.5
1.60	7.292	11.303	5,073.2
1.61	7.398	11.466	5,146.5
1.62	7.504	11.631	5,220.4
1.63	7.611	11.797	5,295.0
1.64	7.719	11.965	5,370.2
1.65	7.828	12.134	5,446.0
1.66	7.938	12.304	5,522.5
1.67	8.049	12.476	5,599.6
1.68	8.161	12.649	5,677.4
1.69	8.273	12.824	5,755.8
1.70	8.387	13.000	5,834.8
1.71	8.502	13.178	5,914.5
1.72	8.617	13.357	5,994.9
1.73	8.734	13.537	6,075.8
1.74	8.851	13.719	6,157.5
1.75	8.969	13.902	6,239.8
1.76	9.088	14.087	6,322.8
1.77	9.209	14.273	6,406.4
1.78	9.330	14.461	6,490.7
1.79	9.452	14.650	6,575.6
1.80	9.575	14.841	6,661.2
1.81	9.699	15.033	6,747.5
1.82	9.824	15.227	6,834.4
1.83	9.950	15.422	6,922.0
1.84	10.077	15.619	7,010.3



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1.85	10.223	15.817	7,099.20
1.86	10.352	16.017	7,188.81
1.87	10.482	16.218	7,279.10
1.88	10.613	16.421	7,370.07
1.89	10.745	16.625	7,461.71
1.90	10.878	16.830	7,554.03
1.91	11.012	17.038	7,647.04
1.92	11.147	17.246	7,740.73
1.93	11.283	17.457	7,835.10
1.94	11.419	17.668	7,930.16
1.95	11.557	17.882	8,025.91
1.96	11.696	18.097	8,122.34
1.97	11.836	18.313	8,219.47
1.98	11.977	18.531	8,317.29
1.99	12.119	18.751	8,415.81
2.00	12.262	18.972	8,515.02
2.01	12.406	19.194	8,614.93
2.02	12.550	19.418	8,715.54
2.03	12.696	19.644	8,816.85
2.04	12.843	19.871	8,918.86
2.05	12.991	20.100	9,021.58
2.06	13.140	20.331	9,125.01
2.07	13.290	20.563	9,229.14
2.08	13.441	20.796	9,333.98
2.09	13.593	21.031	9,439.53
2.10	13.746	21.268	9,545.79
2.11	13.900	21.506	9,652.77
2.12	14.055	21.746	9,760.46
2.13	14.211	21.988	9,868.87
2.14	14.368	22.231	9,978.00
2.15	14.527	22.476	10,087.9
2.16	14.686	22.722	10,198.4
2.17	14.846	22.970	10,309.7
2.18	15.007	23.220	10,421.7
2.19	15.170	23.471	10,534.5
2.20	15.333	23.724	10,648.0
2.21	15.498	23.978	10,762.2
2.22	15.663	24.234	10,877.1
2.23	15.830	24.492	10,992.8
2.24	15.997	24.751	11,109.2

2.25	16.137	25.012	11,226.3
2.26	16.306	25.275	11,344.2
2.27	16.477	25.539	11,462.8
2.28	16.648	25.805	11,582.1
2.29	16.821	26.073	11,702.2
2.30	16.995	26.342	11,823.1
2.31	17.170	26.613	11,944.7
2.32	17.345	26.885	12,067.0
2.33	17.522	27.160	12,190.1
2.34	17.700	27.436	12,313.9
2.35	17.879	27.713	12,438.5
2.36	18.060	27.992	12,563.8
2.37	18.241	28.273	12,689.9
2.38	18.423	28.556	12,816.8
2.39	18.607	28.840	12,944.4
2.40	18.791	29.126	13,072.7
2.41	18.977	29.414	13,201.8
2.42	19.163	29.703	13,331.7
2.43	19.351	29.994	13,462.4
2.44	19.540	30.287	13,593.8
2.45	19.730	30.582	13,725.9
2.46	19.921	30.878	13,858.9
2.47	20.113	31.176	13,992.6
2.48	20.307	31.475	14,127.1
2.49	20.501	31.777	14,262.3
2.50	20.697	32.080	14,398.3