



Flow Chart for 4.5 H Flume

Head (feet)	MGD	CFS	GPM
0.01			
0.02			
0.03			
0.04	0.00693	0.01074	4.8101
0.05	0.01006	0.01560	6.9871
0.06	0.01360	0.02108	9.4419
0.07	0.01751	0.02714	12.160
0.08	0.02179	0.03378	15.133
0.09	0.02643	0.04097	18.352
0.10	0.03141	0.04869	21.813
0.11	0.03674	0.05695	25.512
0.12	0.04240	0.06573	29.445
0.13	0.04840	0.07502	33.611
0.14	0.05473	0.08484	38.008
0.15	0.06140	0.09516	42.634
0.16	0.06839	0.10600	47.488
0.17	0.07571	0.11735	52.571
0.18	0.08336	0.12920	57.882
0.19	0.09133	0.14156	63.421
0.20	0.09964	0.15444	69.188
0.21	0.10827	0.16782	75.183
0.22	0.11723	0.18171	81.407
0.23	0.12653	0.19612	87.860
0.24	0.13615	0.21103	94.543
0.25	0.14611	0.22647	101.46
0.26	0.15640	0.24241	108.60
0.27	0.16702	0.25888	115.98
0.28	0.17798	0.27587	123.59
0.29	0.18927	0.29338	131.43
0.30	0.20091	0.31141	139.51
0.31	0.21288	0.32997	147.83
0.32	0.22520	0.34906	156.38
0.33	0.23786	0.36868	165.17
0.34	0.25086	0.38883	174.20
0.35	0.26421	0.40952	183.46
0.36	0.27790	0.43075	192.97
0.37	0.29195	0.45252	202.73
0.38	0.30634	0.47483	212.72
0.39	0.32109	0.49769	222.96
0.40	0.33619	0.52110	233.45

Head (feet)	MGD	CFS	GPM
0.41	0.35165	0.54506	244.19
0.42	0.36747	0.56957	255.17
0.43	0.38364	0.59464	266.40
0.44	0.40018	0.62028	277.88
0.45	0.41708	0.64647	289.62
0.46	0.43434	0.67323	301.61
0.47	0.45197	0.70056	313.85
0.48	0.46997	0.72846	326.35
0.49	0.48834	0.75693	339.10
0.50	0.50708	0.78598	352.12
0.51	0.52620	0.81560	365.39
0.52	0.54569	0.84581	378.92
0.53	0.56555	0.87661	392.72
0.54	0.58580	0.90799	406.78
0.55	0.60643	0.93996	421.10
0.56	0.62744	0.97253	435.69
0.57	0.64883	1.0057	450.55
0.58	0.67061	1.0394	465.67
0.59	0.69278	1.0738	481.07
0.60	0.71534	1.1088	496.73
0.61	0.73829	1.1443	512.67
0.62	0.7616	1.1805	528.88
0.63	0.7854	1.2173	545.36
0.64	0.8095	1.2547	562.12
0.65	0.8340	1.2928	579.15
0.66	0.8590	1.3314	596.47
0.67	0.8843	1.3707	614.06
0.68	0.9100	1.4106	631.94
0.69	0.9362	1.4511	650.09
0.70	0.9627	1.4923	668.53
0.71	0.9897	1.5340	687.25
0.72	1.0171	1.5765	706.26
0.73	1.0449	1.6195	725.56
0.74	1.0731	1.6633	745.14
0.75	1.1017	1.7076	765.01
0.76	1.1307	1.7526	785.17
0.77	1.1602	1.7983	805.62
0.78	1.1900	1.8446	826.37
0.79	1.2203	1.8915	847.41
0.80	1.2511	1.9392	868.74



Flow Chart for 4.5 H Flume

0.81	1.2822	1.98744	890.38
0.82	1.3138	2.03639	912.30
0.83	1.3458	2.08600	934.53
0.84	1.3782	2.13628	957.06
0.85	1.4111	2.18724	979.88
0.86	1.4444	2.2389	1,003.0
0.87	1.4782	2.2912	1,026.4
0.88	1.5124	2.3442	1,050.2
0.89	1.5470	2.3978	1,074.2
0.90	1.5820	2.4522	1,098.6
0.91	1.6176	2.5072	1,123.2
0.92	1.6535	2.5629	1,148.2
0.93	1.6899	2.6194	1,173.5
0.94	1.7268	2.6765	1,199.1
0.95	1.7640	2.7343	1,225.0
0.96	1.8018	2.7928	1,251.2
0.97	1.8400	2.8520	1,277.7
0.98	1.8787	2.9119	1,304.5
0.99	1.9178	2.9725	1,331.7
1.00	1.9573	3.0339	1,359.2
1.01	1.9974	3.0959	1,387.0
1.02	2.0379	3.1587	1,415.1
1.03	2.0788	3.2222	1,443.5
1.04	2.1202	3.2864	1,472.3
1.05	2.1621	3.3513	1,501.4
1.06	2.2045	3.4169	1,530.8
1.07	2.2473	3.4833	1,560.5
1.08	2.2906	3.5504	1,590.6
1.09	2.3344	3.6183	1,621.0
1.10	2.3786	3.6868	1,651.7
1.11	2.4233	3.7561	1,682.8
1.12	2.4685	3.8262	1,714.1
1.13	2.5142	3.8970	1,745.8
1.14	2.5603	3.9685	1,777.9
1.15	2.6070	4.0408	1,810.3
1.16	2.6541	4.1138	1,843.0
1.17	2.7017	4.1876	1,876.0
1.18	2.7498	4.2621	1,909.4
1.19	2.7983	4.3374	1,943.2
1.20	2.8474	4.4135	1,977.2

1.21	2.8970	4.4903	2,011.7
1.22	2.9470	4.5679	2,046.4
1.23	2.9976	4.6462	2,081.5
1.24	3.0486	4.7253	2,116.9
1.25	3.1001	4.8052	2,152.7
1.26	3.1522	4.8858	2,188.9
1.27	3.2047	4.9673	2,225.3
1.28	3.2577	5.0495	2,262.2
1.29	3.3113	5.1325	2,299.3
1.30	3.3653	5.2162	2,336.9
1.31	3.4199	5.3008	2,374.7
1.32	3.4749	5.3861	2,413.0
1.33	3.5305	5.4722	2,451.6
1.34	3.5866	5.5592	2,490.5
1.35	3.6431	5.6469	2,529.8
1.36	3.7002	5.7354	2,569.4
1.37	3.7579	5.8247	2,609.5
1.38	3.8160	5.9148	2,649.8
1.39	3.8746	6.0057	2,690.5
1.40	3.9338	6.0974	2,731.6
1.41	3.9935	6.1899	2,773.1
1.42	4.0537	6.2832	2,814.9
1.43	4.1144	6.3774	2,857.1
1.44	4.1757	6.4723	2,899.6
1.45	4.2375	6.5681	2,942.5
1.46	4.2998	6.6647	2,985.8
1.47	4.3626	6.7621	3,029.4
1.48	4.4260	6.8603	3,073.4
1.49	4.4899	6.9594	3,117.8
1.50	4.5544	7.0593	3,162.5
1.51	4.6193	7.1600	3,207.7
1.52	4.6848	7.2615	3,253.2
1.53	4.7509	7.3639	3,299.0
1.54	4.8175	7.4671	3,345.3
1.55	4.8846	7.5711	3,391.9
1.56	4.9523	7.6760	3,438.9
1.57	5.0205	7.7817	3,486.2
1.58	5.0892	7.8883	3,534.0
1.59	5.1585	7.9957	3,582.1
1.60	5.2284	8.1040	3,630.6



Flow Chart for 4.5 H Flume

1.61	5.2988	8.2131	3,679.5
1.62	5.3697	8.3231	3,728.7
1.63	5.4412	8.4339	3,778.4
1.64	5.5133	8.5456	3,828.4
1.65	5.5859	8.6582	3,878.9
1.66	5.6591	8.7716	3,929.7
1.67	5.7328	8.8858	3,980.9
1.68	5.8071	9.0010	4,032.4
1.69	5.8819	9.1170	4,084.4
1.70	5.9573	9.2338	4,136.8
1.71	6.0333	9.3516	4,189.5
1.72	6.1098	9.4702	4,242.6
1.73	6.1869	9.5897	4,296.2
1.74	6.2645	9.7101	4,350.1
1.75	6.3428	9.8313	4,404.4
1.76	6.4216	9.9534	4,459.1
1.77	6.5009	10.0764	4,514.2
1.78	6.5809	10.2004	4,569.8
1.79	6.6614	10.3251	4,625.7
1.80	6.7425	10.4508	4,682.0
1.81	6.8241	10.5774	4,738.7
1.82	6.9064	10.7049	4,795.8
1.83	6.9892	10.8332	4,853.3
1.84	7.0726	10.9625	4,911.2
1.85	7.1565	11.0926	4,969.5
1.86	7.2411	11.2237	5,028.2
1.87	7.3262	11.3557	5,087.3
1.88	7.4120	11.4886	5,146.9
1.89	7.4983	11.6223	5,206.8
1.90	7.5852	11.7570	5,267.2
1.91	7.6727	11.8926	5,327.9
1.92	7.7608	12.0292	5,389.1
1.93	7.8494	12.1666	5,450.6
1.94	7.9387	12.3050	5,512.6
1.95	8.0285	12.4442	5,575.0
1.96	8.1190	12.5844	5,637.8
1.97	8.2100	12.7256	5,701.1
1.98	8.3017	12.8676	5,764.7
1.99	8.3939	13.0106	5,828.7
2.00	8.4868	13.1545	5,893.2

2.01	8.5802	13.2993	5,958.1
2.02	8.6743	13.4451	6,023.4
2.03	8.7689	13.5918	6,089.1
2.04	8.8642	13.7395	6,155.3
2.05	8.9600	13.8881	6,221.9
2.06	9.0565	14.0376	6,288.8
2.07	9.1536	14.1881	6,356.3
2.08	9.2513	14.3395	6,424.1
2.09	9.3496	14.4919	6,492.4
2.10	9.4485	14.6452	6,561.0
2.11	9.5480	14.7994	6,630.2
2.12	9.6482	14.9547	6,699.7
2.13	9.7489	15.1109	6,769.7
2.14	9.8503	15.2680	6,840.1
2.15	9.9523	15.4261	6,910.9
2.16	10.0549	15.5851	6,982.1
2.17	10.1582	15.745	7,053.8
2.18	10.2620	15.906	7,126.0
2.19	10.3665	16.068	7,198.5
2.20	10.4716	16.231	7,271.5
2.21	10.5774	16.395	7,344.9
2.22	10.6837	16.560	7,418.8
2.23	10.7907	16.726	7,493.1
2.24	10.8983	16.892	7,567.8
2.25	11.0066	17.060	7,643.0
2.26	11.1155	17.229	7,718.6
2.27	11.2250	17.399	7,794.6
2.28	11.3351	17.569	7,871.1
2.29	11.4459	17.741	7,948.1
2.30	11.5574	17.914	8,025.4
2.31	11.6694	18.088	8,103.2
2.32	11.7821	18.262	8,181.5
2.33	11.8955	18.438	8,260.2
2.34	12.0094	18.615	8,339.4
2.35	12.1241	18.792	8,419.0
2.36	12.2393	18.971	8,499.0
2.37	12.3553	19.151	8,579.5
2.38	12.4718	19.331	8,660.4
2.39	12.5890	19.513	8,741.8
2.40	12.7069	19.696	8,823.7



Flow Chart for 4.5 H Flume

2.41	12.8254	19.879	8,906.0
2.42	12.9446	20.064	8,988.7
2.43	13.0644	20.250	9,071.9
2.44	13.1849	20.437	9,155.6
2.45	13.3060	20.624	9,239.7
2.46	13.4278	20.813	9,324.2
2.47	13.5502	21.003	9,409.2
2.48	13.6733	21.194	9,494.7
2.49	13.7970	21.385	9,580.7
2.50	13.9214	21.578	9,667.0
2.51	14.0465	21.772	9,753.9
2.52	14.1723	21.967	9,841.2
2.53	14.2987	22.163	9,929.0
2.54	14.4257	22.360	10,017.2
2.55	14.5534	22.558	10,105.9
2.56	14.682	22.757	10,195.1
2.57	14.811	22.957	10,284.7
2.58	14.941	23.158	10,374.8
2.59	15.071	23.360	10,465.3
2.60	15.202	23.563	10,556.4
2.61	15.334	23.768	10,647.9
2.62	15.466	23.973	10,739.8
2.63	15.599	24.179	10,832.2
2.64	15.733	24.386	10,925.1
2.65	15.868	24.595	11,018
2.66	16.003	24.804	11,112
2.67	16.139	25.015	11,207
2.68	16.275	25.226	11,301
2.69	16.412	25.439	11,397
2.70	16.550	25.653	11,492
2.71	16.689	25.867	11,589
2.72	16.828	26.083	11,685
2.73	16.968	26.300	11,782
2.74	17.108	26.518	11,880
2.75	17.250	26.737	11,978
2.76	17.392	26.957	12,077
2.77	17.534	27.178	12,176
2.78	17.678	27.400	12,275
2.79	17.822	27.624	12,375
2.80	17.967	27.848	12,476

2.81	18.112	28.074	12,577.0
2.82	18.258	28.300	12,678.4
2.83	18.405	28.528	12,780.4
2.84	18.552	28.756	12,882.9
2.85	18.701	28.986	12,985.8
2.86	18.850	29.217	13,089.2
2.87	18.999	29.449	13,193.1
2.88	19.150	29.682	13,297.5
2.89	19.301	29.916	13,402.4
2.90	19.452	30.151	13,507.8
2.91	19.605	30.388	13,613.6
2.92	19.758	30.625	13,720.0
2.93	19.912	30.864	13,826.9
2.94	20.067	31.103	13,934
2.95	20.222	31.344	14,042
2.96	20.378	31.586	14,150
2.97	20.535	31.829	14,259
2.98	20.692	32.073	14,369
2.99	20.850	32.318	14,478
3.00	21.009	32.564	14,589
3.01	21.169	32.811	14,699
3.02	21.329	33.060	14,811
3.03	21.490	33.309	14,923
3.04	21.652	33.560	15,035
3.05	21.814	33.812	15,148
3.06	21.977	34.065	15,261
3.07	22.141	34.319	15,375
3.08	22.306	34.574	15,489
3.09	22.471	34.830	15,604
3.10	22.637	35.088	15,719
3.11	22.804	35.346	15,835
3.12	22.972	35.606	15,951
3.13	23.140	35.867	16,068
3.14	23.309	36.129	16,186
3.15	23.478	36.392	16,303
3.16	23.649	36.656	16,422
3.17	23.820	36.921	16,541
3.18	23.992	37.188	16,660
3.19	24.165	37.455	16,780
3.20	24.338	37.724	16,900



Flow Chart for 4.5 H Flume

3.21	24.512	37.994	17,021
3.22	24.687	38.265	17,143
3.23	24.863	38.537	17,265
3.24	25.039	38.811	17,387
3.25	25.216	39.085	17,510
3.26	25.394	39.361	17,634
3.27	25.573	39.638	17,758
3.28	25.752	39.915	17,882
3.29	25.932	40.195	18,007
3.30	26.113	40.475	18,133
3.31	26.294	40.756	18,259
3.32	26.477	41.039	18,385
3.33	26.660	41.323	18,513
3.34	26.844	41.608	18,640
3.35	27.028	41.894	18,768
3.36	27.213	42.181	18,897
3.37	27.400	42.469	19,026
3.38	27.586	42.759	19,156
3.39	27.774	43.050	19,286
3.40	27.962	43.342	19,417
3.41	28.151	43.635	19,548
3.42	28.341	43.929	19,680
3.43	28.532	44.224	19,813
3.44	28.723	44.521	19,945
3.45	28.915	44.819	20,079
3.46	29.108	45.118	20,213
3.47	29.302	45.418	20,347
3.48	29.496	45.719	20,482
3.49	29.692	46.022	20,618
3.50	29.888	46.326	20,754
3.51	30.084	46.631	20,891
3.52	30.282	46.937	21,028
3.53	30.480	47.244	21,165
3.54	30.679	47.553	21,304
3.55	30.879	47.862	21,442
3.56	31.080	48.173	21,582
3.57	31.281	48.485	21,722
3.58	31.483	48.799	21,862
3.59	31.686	49.113	22,003
3.60	31.890	49.429	22,144

3.61	32.094	49.746	22,286
3.62	32.299	50.064	22,429
3.63	32.505	50.383	22,572
3.64	32.712	50.704	22,715
3.65	32.920	51.026	22,860
3.66	33.128	51.349	23,004
3.67	33.337	51.673	23,150
3.68	33.547	51.998	23,295
3.69	33.758	52.325	23,442
3.70	33.970	52.653	23,589
3.71	34.182	52.982	23,736
3.72	34.395	53.312	23,884
3.73	34.609	53.644	24,032
3.74	34.824	53.977	24,181
3.75	35.039	54.311	24,331
3.76	35.255	54.646	24,481
3.77	35.472	54.982	24,632
3.78	35.690	55.320	24,783
3.79	35.909	55.659	24,935
3.80	36.128	55.999	25,087
3.81	36.349	56.340	25,240
3.82	36.570	56.683	25,394
3.83	36.791	57.027	25,548
3.84	37.014	57.372	25,703
3.85	37.237	57.718	25,858
3.86	37.462	58.066	26,013
3.87	37.687	58.414	26,170
3.88	37.913	58.765	26,326
3.89	38.139	59.116	26,484
3.90	38.367	59.468	26,642
3.91	38.595	59.822	26,800
3.92	38.824	60.177	26,959
3.93	39.054	60.534	27,119
3.94	39.285	60.891	27,279
3.95	39.516	61.250	27,440
3.96	39.748	61.610	27,601
3.97	39.982	61.971	27,763
3.98	40.215	62.334	27,926
3.99	40.450	62.698	28,089
4.00	40.686	63.063	28,252



Flow Chart for 4.5 H Flume

4.01	40.922	63.429	28,416
4.02	41.159	63.797	28,581
4.03	41.397	64.166	28,746
4.04	41.636	64.536	28,912
4.05	41.876	64.908	29,079
4.06	42.116	65.280	29,246
4.07	42.358	65.654	29,413
4.08	42.600	66.030	29,581
4.09	42.843	66.406	29,750
4.10	43.086	66.784	29,919
4.11	43.331	67.163	30,089
4.12	43.576	67.544	30,260
4.13	43.823	67.925	30,430
4.14	44.070	68.308	30,602
4.15	44.318	68.692	30,774
4.16	44.566	69.078	30,947
4.17	44.816	69.465	31,120
4.18	45.066	69.853	31,294
4.19	45.318	70.242	31,469
4.20	45.570	70.633	31,644

4.21	45.823	71.025	31,819
4.22	46.076	71.418	31,995
4.23	46.331	71.813	32,172
4.24	46.586	72.209	32,350
4.25	46.843	72.606	32,527
4.26	47.100	73.004	32,706
4.27	47.358	73.404	32,885
4.28	47.616	73.805	33,065
4.29	47.876	74.208	33,245
4.30	48.136	74.611	33,426
4.31	48.398	75.016	33,607
4.32	48.660	75.423	33,789
4.33	48.923	75.830	33,972
4.34	49.187	76.239	34,155
4.35	49.451	76.650	34,339
4.36	49.717	77.061	34,523
4.37	49.983	77.474	34,708
4.38	50.250	77.888	34,894
4.39	50.519	78.304	35,080
4.40	50.787	78.721	35,267