



Flow Chart for 42" Parshall Flume

Head (feet)	MGD	CFS	GPM
0.20	0.7203	1.1145	500.21
0.21	0.7777	1.2034	540.10
0.22	0.8368	1.2947	581.09
0.23	0.8973	1.3884	623.16
0.24	0.9595	1.4845	666.28
0.25	1.0231	1.5829	710.45
0.26	1.0881	1.6836	755.65
0.27	1.1547	1.7865	801.85
0.28	1.2226	1.8917	849.04
0.29	1.2920	1.9990	897.20
0.30	1.3627	2.1084	946.33
0.31	1.4348	2.2200	996.40
0.32	1.5083	2.3336	1047.40
0.33	1.5830	2.4493	1099.32
0.34	1.6591	2.5670	1152.16
0.35	1.7365	2.6867	1205.89
0.36	1.8151	2.8084	1260.50
0.37	1.8950	2.9321	1316.00
0.38	1.9762	3.0576	1372.35
0.39	2.0586	3.1851	1429.56
0.40	2.1422	3.3144	1487.62
0.41	2.2270	3.4457	1546.52
0.42	2.3130	3.5787	1606.24
0.43	2.4002	3.7136	1666.78
0.44	2.4885	3.8503	1728.14
0.45	2.5780	3.9888	1790.29
0.46	2.6687	4.1291	1853.25
0.47	2.7605	4.2711	1916.99
0.48	2.8534	4.4148	1981.51
0.49	2.9474	4.5603	2046.81
0.50	3.0425	4.7075	2112.87
0.51	3.1388	4.8564	2179.70
0.52	3.2361	5.0070	2247.28
0.53	3.3345	5.1592	2315.60
0.54	3.4339	5.3131	2384.67
0.55	3.5345	5.4686	2454.48
0.56	3.6360	5.6258	2525.01
0.57	3.7386	5.7845	2596.27
0.58	3.8423	5.9449	2668.25
0.59	3.9470	6.1069	2740.94

Head (feet)	MGD	CFS	GPM
0.60	4.0527	6.2704	2814.34
0.61	4.1594	6.4355	2888.45
0.62	4.2671	6.6022	2963.25
0.63	4.3758	6.7704	3038.75
0.64	4.4855	6.9401	3114.94
0.65	4.5962	7.1114	3191.81
0.66	4.7079	7.2842	3269.36
0.67	4.8205	7.4585	3347.58
0.68	4.9341	7.6343	3426.48
0.69	5.0487	7.8115	3506.05
0.70	5.1642	7.9903	3586.27
0.71	5.2807	8.1705	3667.16
0.72	5.3981	8.3522	3748.70
0.73	5.5165	8.5353	3830.89
0.74	5.6358	8.7199	3913.73
0.75	5.7560	8.9059	3997.21
0.76	5.8771	9.0933	4081.34
0.77	5.9992	9.2821	4166.09
0.78	6.1222	9.4724	4251.48
0.79	6.2460	9.6640	4337.50
0.80	6.3708	9.8571	4424.15
0.81	6.4965	10.0515	4511.41
0.82	6.6230	10.2473	4599.30
0.83	6.7505	10.4445	4687.80
0.84	6.8788	10.6430	4776.91
0.85	7.0080	10.8429	4866.64
0.86	7.1381	11.0442	4956.97
0.87	7.2690	11.2468	5047.90
0.88	7.4008	11.4507	5139.43
0.89	7.5335	11.6560	5231.56
0.90	7.6670	11.8626	5324.28
0.91	7.8014	12.0705	5417.60
0.92	7.9366	12.2797	5511.51
0.93	8.0727	12.4902	5606.00
0.94	8.2096	12.7021	5701.07
0.95	8.3473	12.9152	5796.73
0.96	8.4859	13.1296	5892.96
0.97	8.6253	13.3453	5989.77
0.98	8.7655	13.5623	6087.15
0.99	8.9066	13.7805	6185.10



Flow Chart for 42" Parshall Flume

1.00	9.0484	14.0000	6283.62
1.01	9.1911	14.2208	6382.71
1.02	9.3346	14.4428	6482.35
1.03	9.4789	14.6661	6582.56
1.04	9.6240	14.8906	6683.33
1.05	9.7699	15.1163	6784.65
1.06	9.9166	15.3433	6886.53
1.07	10.0641	15.5715	6988.96
1.08	10.2124	15.8010	7091.94
1.09	10.3615	16.0316	7195.47
1.10	10.5114	16.2635	7299.54
1.11	10.6620	16.4966	7404.15
1.12	10.8134	16.7308	7509.31
1.13	10.9656	16.9663	7615.00
1.14	11.1186	17.2030	7721.23
1.15	11.2723	17.4409	7828.00
1.16	11.4269	17.6800	7935.29
1.17	11.5821	17.9202	8043.12
1.18	11.7382	18.1616	8151.48
1.19	11.8950	18.4042	8260.37
1.20	12.0525	18.6480	8369.77
1.21	12.2108	18.8929	8479.71
1.22	12.3699	19.1390	8590.16
1.23	12.5297	19.3863	8701.13
1.24	12.6902	19.6347	8812.62
1.25	12.8515	19.8842	8924.63
1.26	13.0135	20.1349	9037.15
1.27	13.1763	20.3868	9150.19
1.28	13.3398	20.6397	9263.73
1.29	13.5040	20.8938	9377.78
1.30	13.6690	21.1491	9492.34
1.31	13.8347	21.4054	9607.41
1.32	14.0011	21.6629	9722.98
1.33	14.1683	21.9215	9839.05
1.34	14.3361	22.1813	9955.62
1.35	14.5047	22.4421	10072.69
1.36	14.6740	22.7041	10190.26
1.37	14.8440	22.9671	10308.32
1.38	15.0148	23.2313	10426.88
1.39	15.1862	23.4965	10545.93

1.40	15.3583	23.7628	10665.48
1.41	15.5312	24.0303	10785.51
1.42	15.7047	24.2988	10906.03
1.43	15.8790	24.5684	11027.04
1.44	16.0539	24.8391	11148.53
1.45	16.2296	25.1109	11270.51
1.46	16.4059	25.3837	11392.97
1.47	16.5830	25.6576	11515.91
1.48	16.7607	25.9326	11639.33
1.49	16.9391	26.2086	11763.22
1.50	17.1182	26.4857	11887.60
1.51	17.2980	26.7639	12012.45
1.52	17.4784	27.0431	12137.77
1.53	17.6596	27.3234	12263.57
1.54	17.8414	27.6048	12389.84
1.55	18.0239	27.8871	12516.58
1.56	18.2071	28.1706	12643.79
1.57	18.3910	28.4550	12771.46
1.58	18.5755	28.7405	12899.61
1.59	18.7607	29.0271	13028.21
1.60	18.9465	29.3146	13157.28
1.61	19.1331	29.6032	13286.82
1.62	19.3203	29.8929	13416.81
1.63	19.5081	30.1835	13547.27
1.64	19.6966	30.4752	13678.18
1.65	19.8858	30.7679	13809.55
1.66	20.0756	31.0616	13941.38
1.67	20.2661	31.3563	14073.66
1.68	20.4573	31.6521	14206.40
1.69	20.6491	31.9488	14339.59
1.70	20.8415	32.2466	14473.24
1.71	21.0346	32.5453	14607.33
1.72	21.2284	32.8451	14741.87
1.73	21.4227	33.1459	14876.86
1.74	21.6178	33.4476	15012.30
1.75	21.8134	33.7504	15148.19
1.76	22.0098	34.0541	15284.52
1.77	22.2067	34.3589	15421.29
1.78	22.4043	34.6646	15558.51
1.79	22.6025	34.9713	15696.17



Flow Chart for 42" Parshall Flume

1.80	22.8014	35.2790	15834.27
1.81	23.0009	35.5877	15972.81
1.82	23.2010	35.8973	16111.79
1.83	23.4018	36.2079	16251.20
1.84	23.6032	36.5195	16391.06
1.85	23.8052	36.8321	16531.35
1.86	24.0078	37.1456	16672.07
1.87	24.2111	37.4601	16813.23
1.88	24.4150	37.7756	16954.82
1.89	24.6195	38.0920	17096.84
1.90	24.8247	38.4094	17239.29
1.91	25.0304	38.7277	17382.18
1.92	25.2368	39.0470	17525.49
1.93	25.4438	39.3673	17669.23
1.94	25.6514	39.6885	17813.39
1.95	25.8596	40.0107	17957.98
1.96	26.0684	40.3338	18103.00
1.97	26.2778	40.6578	18248.44
1.98	26.4879	40.9828	18394.31
1.99	26.6985	41.3087	18540.59
2.00	26.9098	41.6356	18687.30
2.01	27.1217	41.9634	18834.43
2.02	27.3341	42.2921	18981.98
2.03	27.5472	42.6218	19129.95
2.04	27.7609	42.9524	19278.33
2.05	27.9752	43.2839	19427.13
2.06	28.1900	43.6164	19576.35
2.07	28.4055	43.9498	19725.98
2.08	28.6216	44.2841	19876.03
2.09	28.8382	44.6193	20026.49
2.10	29.0555	44.9555	20177.37
2.11	29.2733	45.2925	20328.65
2.12	29.4918	45.6305	20480.35
2.13	29.7108	45.9694	20632.45
2.14	29.9304	46.3092	20784.97
2.15	30.1507	46.6499	20937.89
2.16	30.3715	46.9916	21091.23
2.17	30.5928	47.3341	21244.96
2.18	30.8148	47.6775	21399.11
2.19	31.0374	48.0219	21553.66

2.20	31.2605	48.3671	21708.61
2.21	31.4842	48.7133	21863.97
2.22	31.7085	49.0603	22019.73
2.23	31.9334	49.4082	22175.90
2.24	32.1588	49.7571	22332.46
2.25	32.3849	50.1068	22489.43
2.26	32.6115	50.4574	22646.79
2.27	32.8387	50.8089	22804.56
2.28	33.0664	51.1613	22962.72
2.29	33.2947	51.5146	23121.28
2.30	33.5236	51.8687	23280.23
2.31	33.7531	52.2238	23439.59
2.32	33.9831	52.5797	23599.33
2.33	34.2137	52.9365	23759.48
2.34	34.4449	53.2942	23920.01
2.35	34.6767	53.6527	24080.94
2.36	34.9090	54.0121	24242.27
2.37	35.1418	54.3724	24403.98
2.38	35.3753	54.7336	24566.09
2.39	35.6093	55.0957	24728.58
2.40	35.8438	55.4586	24891.47
2.41	36.0789	55.8223	25054.74
2.42	36.3146	56.1870	25218.40
2.43	36.5508	56.5525	25382.45
2.44	36.7876	56.9189	25546.89
2.45	37.0250	57.2861	25711.71
2.46	37.2629	57.6542	25876.92
2.47	37.5013	58.0231	26042.51
2.48	37.7403	58.3929	26208.49
2.49	37.9799	58.7636	26374.85
2.50	38.2200	59.1351	26541.59