



Flow Chart for 144" Parshall Flume

Head (feet)	MGD	CFS	GPM
0.31	4.6388	7.1773	3,221.4
0.32	4.8805	7.5513	3,389.3
0.33	5.1268	7.9324	3,560.3
0.34	5.3777	8.3205	3,734.5
0.35	5.6330	8.7155	3,911.8
0.36	5.8927	9.1173	4,092.1
0.37	6.1567	9.5259	4,275.5
0.38	6.4251	9.9411	4,461.9
0.39	6.6978	10.363	4,651.2
0.40	6.9747	10.791	4,843.5
0.41	7.2557	11.226	5,038.7
0.42	7.5409	11.668	5,236.8
0.43	7.8303	12.115	5,437.7
0.44	8.1237	12.569	5,641.4
0.45	8.4211	13.029	5,848.0
0.46	8.7225	13.496	6,057.3
0.47	9.0278	13.968	6,269.3
0.48	9.3371	14.447	6,484.1
0.49	9.6503	14.931	6,701.6
0.50	9.9673	15.422	6,921.8
0.51	10.288	15.918	7,144.6
0.52	10.613	16.421	7,370.0
0.53	10.941	16.929	7,598.1
0.54	11.273	17.443	7,828.8
0.55	11.609	17.962	8,062.0
0.56	11.949	18.488	8,297.8
0.57	12.292	19.019	8,536.2
0.58	12.639	19.555	8,777.1
0.59	12.989	20.098	9,020.4
0.60	13.343	20.645	9,266.3
0.61	13.701	21.199	9,514.6
0.62	14.062	21.757	9,765.4
0.63	14.427	22.322	10,019
0.64	14.795	22.891	10,274
0.65	15.167	23.466	10,532
0.66	15.542	24.047	10,793
0.67	15.920	24.632	11,056
0.68	16.302	25.223	11,321
0.69	16.687	25.819	11,588
0.70	17.076	26.420	11,858

Head (feet)	MGD	CFS	GPM
0.71	17.468	27.027	12,130
0.72	17.863	27.638	12,405
0.73	18.262	28.255	12,682
0.74	18.664	28.877	12,961
0.75	19.069	29.504	13,242
0.76	19.477	30.136	13,526
0.77	19.889	30.773	13,812
0.78	20.304	31.415	14,100
0.79	20.722	32.062	14,390
0.80	21.143	32.713	14,683
0.81	21.568	33.370	14,978
0.82	21.995	34.032	15,274
0.83	22.426	34.698	15,574
0.84	22.860	35.369	15,875
0.85	23.297	36.046	16,178
0.86	23.737	36.726	16,484
0.87	24.180	37.412	16,792
0.88	24.626	38.103	17,102
0.89	25.076	38.798	17,414
0.90	25.528	39.498	17,728
0.91	25.983	40.202	18,044
0.92	26.442	40.911	18,362
0.93	26.903	41.625	18,683
0.94	27.367	42.343	19,005
0.95	27.835	43.066	19,330
0.96	28.305	43.794	19,656
0.97	28.778	44.526	19,985
0.98	29.254	45.263	20,315
0.99	29.733	46.004	20,648
1.00	30.215	46.750	20,983
1.01	30.700	47.500	21,320
1.02	31.188	48.255	21,658
1.03	31.679	49.014	21,999
1.04	32.172	49.778	22,342
1.05	32.669	50.546	22,686
1.06	33.168	51.318	23,033
1.07	33.670	52.095	23,382
1.08	34.175	52.876	23,732
1.09	34.682	53.662	24,085
1.10	35.193	54.452	24,440



Flow Chart for 144" Parshall Flume

1.11	35.706	55.246	24,796
1.12	36.222	56.044	25,154
1.13	36.741	56.847	25,515
1.14	37.263	57.654	25,877
1.15	37.787	58.465	26,241
1.16	38.314	59.281	26,607
1.17	38.844	60.101	26,975
1.18	39.377	60.925	27,345
1.19	39.912	61.753	27,717
1.20	40.450	62.585	28,090
1.21	40.991	63.422	28,466
1.22	41.534	64.262	28,843
1.23	42.080	65.107	29,222
1.24	42.629	65.956	29,603
1.25	43.180	66.809	29,986
1.26	43.734	67.667	30,371
1.27	44.291	68.528	30,757
1.28	44.850	69.393	31,146
1.29	45.412	70.263	31,536
1.30	45.977	71.136	31,928
1.31	46.544	72.014	32,322
1.32	47.114	72.895	32,718
1.33	47.686	73.781	33,115
1.34	48.261	74.671	33,514
1.35	48.838	75.564	33,916
1.36	49.418	76.462	34,318
1.37	50.001	77.363	34,723
1.38	50.586	78.269	35,129
1.39	51.174	79.178	35,538
1.40	51.765	80.092	35,948
1.41	52.357	81.009	36,359
1.42	52.953	81.930	36,773
1.43	53.551	82.855	37,188
1.44	54.151	83.784	37,605
1.45	54.754	84.717	38,024
1.46	55.359	85.654	38,444
1.47	55.967	86.594	38,866
1.48	56.578	87.539	39,290
1.49	57.191	88.487	39,716
1.50	57.806	89.439	40,143

1.51	58.424	90.395	40,572
1.52	59.044	91.355	41,003
1.53	59.667	92.318	41,435
1.54	60.292	93.286	41,869
1.55	60.920	94.257	42,305
1.56	61.550	95.232	42,743
1.57	62.182	96.210	43,182
1.58	62.817	97.193	43,623
1.59	63.455	98.179	44,066
1.60	64.094	99.168	44,510
1.61	64.736	100.16	44,956
1.62	65.381	101.16	45,403
1.63	66.028	102.16	45,853
1.64	66.677	103.16	46,304
1.65	67.329	104.17	46,756
1.66	67.983	105.19	47,210
1.67	68.639	106.20	47,666
1.68	69.298	107.22	48,124
1.69	69.959	108.24	48,583
1.70	70.623	109.27	49,044
1.71	71.289	110.30	49,506
1.72	71.957	111.33	49,970
1.73	72.627	112.37	50,436
1.74	73.300	113.41	50,903
1.75	73.976	114.46	51,372
1.76	74.653	115.51	51,842
1.77	75.333	116.56	52,314
1.78	76.015	117.61	52,788
1.79	76.699	118.67	53,263
1.80	77.386	119.73	53,740
1.81	78.075	120.80	54,219
1.82	78.766	121.87	54,699
1.83	79.460	122.94	55,181
1.84	80.156	124.02	55,664
1.85	80.854	125.10	56,149
1.86	81.554	126.18	56,635
1.87	82.257	127.27	57,123
1.88	82.962	128.36	57,613
1.89	83.669	129.46	58,104
1.90	84.379	130.55	58,596



Flow Chart for 144" Parshall Flume

1.91	85.090	131.65	59,091
1.92	85.804	132.76	59,586
1.93	86.520	133.87	60,084
1.94	87.239	134.98	60,583
1.95	87.959	136.09	61,083
1.96	88.682	137.21	61,585
1.97	89.407	138.33	62,088
1.98	90.135	139.46	62,593
1.99	90.864	140.59	63,100
2.00	91.596	141.72	63,608
2.01	92.330	142.85	64,118
2.02	93.066	143.99	64,629
2.03	93.804	145.14	65,142
2.04	94.544	146.28	65,656
2.05	95.287	147.43	66,171
2.06	96.032	148.58	66,689
2.07	96.779	149.74	67,207
2.08	97.528	150.90	67,728
2.09	98.279	152.06	68,249
2.10	99.033	153.23	68,773
2.11	99.788	154.40	69,297
2.12	100.55	155.57	69,824
2.13	101.31	156.74	70,351
2.14	102.07	157.92	70,880
2.15	102.83	159.10	71,411
2.16	103.60	160.29	71,943
2.17	104.37	161.48	72,477
2.18	105.14	162.67	73,012
2.19	105.91	163.87	73,549
2.20	106.69	165.07	74,087
2.21	107.46	166.27	74,626
2.22	108.24	167.47	75,167
2.23	109.02	168.68	75,710
2.24	109.81	169.89	76,254
2.25	110.59	171.11	76,799
2.26	111.38	172.33	77,346
2.27	112.17	173.55	77,894
2.28	112.96	174.77	78,444
2.29	113.75	176.00	78,995
2.30	114.55	177.23	79,548

2.31	115.35	178.47	80,102
2.32	116.15	179.71	80,658
2.33	116.95	180.95	81,215
2.34	117.75	182.19	81,773
2.35	118.56	183.44	82,333
2.36	119.37	184.69	82,894
2.37	120.18	185.94	83,457
2.38	120.99	187.20	84,021
2.39	121.80	188.46	84,587
2.40	122.62	189.72	85,153
2.41	123.44	190.99	85,722
2.42	124.26	192.26	86,292
2.43	125.08	193.53	86,863
2.44	125.91	194.81	87,436
2.45	126.73	196.09	88,010
2.46	127.56	197.37	88,585
2.47	128.39	198.65	89,162
2.48	129.23	199.94	89,740
2.49	130.06	201.23	90,320
2.50	130.90	202.53	90,901
2.51	131.74	203.83	91,483
2.52	132.58	205.13	92,067
2.53	133.42	206.43	92,653
2.54	134.26	207.74	93,239
2.55	135.11	209.05	93,827
2.56	135.96	210.36	94,417
2.57	136.81	211.68	95,007
2.58	137.66	213.00	95,600
2.59	138.52	214.32	96,193
2.60	139.37	215.64	96,788
2.61	140.23	216.97	97,384
2.62	141.09	218.30	97,982
2.63	141.96	219.64	98,581
2.64	142.82	220.98	99,182
2.65	143.69	222.32	99,783
2.66	144.56	223.66	100,386
2.67	145.43	225.01	100,991
2.68	146.30	226.36	101,597
2.69	147.17	227.71	102,204
2.70	148.05	229.07	102,813



Flow Chart for 144" Parshall Flume

2.71	148.93	230.43	103,423
2.72	149.81	231.79	104,034
2.73	150.69	233.15	104,646
2.74	151.58	234.52	105,260
2.75	152.46	235.89	105,876
2.76	153.35	237.27	106,492
2.77	154.24	238.64	107,111
2.78	155.13	240.02	107,730
2.79	156.02	241.41	108,351
2.80	156.92	242.79	108,973
2.81	157.82	244.18	109,596
2.82	158.72	245.57	110,221
2.83	159.62	246.97	110,847
2.84	160.52	248.37	111,474
2.85	161.43	249.77	112,103
2.86	162.34	251.17	112,733
2.87	163.24	252.58	113,364
2.88	164.16	253.99	113,997
2.89	165.07	255.40	114,631
2.90	165.98	256.81	115,266
2.91	166.90	258.23	115,903
2.92	167.82	259.65	116,541
2.93	168.74	261.08	117,180
2.94	169.66	262.50	117,820
2.95	170.59	263.93	118,462
2.96	171.51	265.37	119,105
2.97	172.44	266.80	119,750
2.98	173.37	268.24	120,396
2.99	174.30	269.68	121,043
3.00	175.24	271.13	121,691
3.01	176.17	272.58	122,341
3.02	177.11	274.03	122,992
3.03	178.05	275.48	123,644
3.04	178.99	276.94	124,297
3.05	179.93	278.39	124,952
3.06	180.88	279.86	125,608
3.07	181.82	281.32	126,266
3.08	182.77	282.79	126,925
3.09	183.72	284.26	127,585
3.10	184.67	285.73	128,246

3.11	185.63	287.21	128,908
3.12	186.58	288.69	129,572
3.13	187.54	290.17	130,237
3.14	188.50	291.65	130,904
3.15	189.46	293.14	131,571
3.16	190.43	294.63	132,240
3.17	191.39	296.13	132,910
3.18	192.36	297.62	133,582
3.19	193.33	299.12	134,255
3.20	194.30	300.62	134,929
3.21	195.27	302.13	135,604
3.22	196.24	303.63	136,281
3.23	197.22	305.14	136,958
3.24	198.20	306.66	137,637
3.25	199.18	308.17	138,318
3.26	200.16	309.69	138,999
3.27	201.14	311.21	139,682
3.28	202.13	312.74	140,366
3.29	203.11	314.26	141,052
3.30	204.10	315.79	141,738
3.31	205.09	317.33	142,426
3.32	206.09	318.86	143,115
3.33	207.08	320.40	143,805
3.34	208.08	321.94	144,497
3.35	209.07	323.48	145,190
3.36	210.07	325.03	145,884
3.37	211.07	326.58	146,579
3.38	212.08	328.13	147,276
3.39	213.08	329.69	147,974
3.40	214.09	331.24	148,673
3.41	215.10	332.80	149,373
3.42	216.11	334.37	150,074
3.43	217.12	335.93	150,777
3.44	218.13	337.50	151,481
3.45	219.15	339.07	152,186
3.46	220.17	340.65	152,893
3.47	221.18	342.22	153,600
3.48	222.21	343.80	154,309
3.49	223.23	345.38	155,019
3.50	224.25	346.97	155,730



Flow Chart for 144" Parshall Flume

3.51	225.28	348.56	156,443
3.52	226.31	350.15	157,157
3.53	227.34	351.74	157,872
3.54	228.37	353.34	158,588
3.55	229.40	354.93	159,305
3.56	230.43	356.53	160,024
3.57	231.47	358.14	160,744
3.58	232.51	359.74	161,465
3.59	233.55	361.35	162,187
3.60	234.59	362.97	162,910
3.61	235.63	364.58	163,635
3.62	236.68	366.20	164,361
3.63	237.73	367.82	165,088
3.64	238.78	369.44	165,816
3.65	239.83	371.07	166,546
3.66	240.88	372.69	167,276
3.67	241.93	374.32	168,008
3.68	242.99	375.96	168,741
3.69	244.04	377.59	169,475
3.70	245.10	379.23	170,211
3.71	246.16	380.87	170,947
3.72	247.23	382.52	171,685
3.73	248.29	384.16	172,424
3.74	249.36	385.81	173,165
3.75	250.42	387.46	173,906
3.76	251.49	389.12	174,649
3.77	252.57	390.78	175,392
3.78	253.64	392.44	176,137
3.79	254.71	394.10	176,883
3.80	255.79	395.76	177,631
3.81	256.87	397.43	178,379
3.82	257.95	399.10	179,129
3.83	259.03	400.77	179,880
3.84	260.11	402.45	180,632
3.85	261.19	404.13	181,385
3.86	262.28	405.81	182,140
3.87	263.37	407.49	182,895
3.88	264.46	409.18	183,652
3.89	265.55	410.87	184,410
3.90	266.64	412.56	185,169

3.91	267.74	414.25	185,929
3.92	268.83	415.95	186,690
3.93	269.93	417.65	187,453
3.94	271.03	419.35	188,217
3.95	272.13	421.05	188,982
3.96	273.24	422.76	189,748
3.97	274.34	424.47	190,515
3.98	275.45	426.18	191,283
3.99	276.56	427.90	192,053
4.00	277.67	429.61	192,824
4.01	278.78	431.33	193,596
4.02	279.89	433.06	194,369
4.03	281.01	434.78	195,143
4.04	282.12	436.51	195,918
4.05	283.24	438.24	196,695
4.06	284.36	439.97	197,472
4.07	285.48	441.71	198,251
4.08	286.60	443.44	199,031
4.09	287.73	445.18	199,812
4.10	288.86	446.93	200,594
4.11	289.98	448.67	201,378
4.12	291.11	450.42	202,162
4.13	292.25	452.17	202,948
4.14	293.38	453.92	203,735
4.15	294.51	455.68	204,523
4.16	295.65	457.44	205,312
4.17	296.79	459.20	206,102
4.18	297.93	460.96	206,893
4.19	299.07	462.73	207,686
4.20	300.21	464.49	208,479
4.21	301.36	466.27	209,274
4.22	302.50	468.04	210,070
4.23	303.65	469.81	210,867
4.24	304.80	471.59	211,665
4.25	305.95	473.37	212,465
4.26	307.10	475.16	213,265
4.27	308.26	476.94	214,067
4.28	309.41	478.73	214,869
4.29	310.57	480.52	215,673
4.30	311.73	482.32	216,478



Flow Chart for 144" Parshall Flume

4.31	312.89	484.11	217,284
4.32	314.05	485.91	218,091
4.33	315.22	487.71	218,900
4.34	316.38	489.51	219,709
4.35	317.55	491.32	220,520
4.36	318.72	493.13	221,331
4.37	319.89	494.94	222,144
4.38	321.06	496.75	222,958
4.39	322.23	498.57	223,773
4.40	323.41	500.39	224,589
4.41	324.59	502.21	225,406
4.42	325.76	504.03	226,225
4.43	326.94	505.86	227,044
4.44	328.13	507.69	227,865
4.45	329.31	509.52	228,686
4.46	330.49	511.35	229,509
4.47	331.68	513.18	230,333
4.48	332.87	515.02	231,158
4.49	334.06	516.86	231,984
4.50	335.25	518.71	232,812