



TRAPEZOIDAL FLUME GENERAL FLOW RANGE

Conversions		
CFS x 448.8 = GPM	MGD x 694.4 = GPM	MGD x 1.55 = CFS
GPM ÷ 448.8 = CFS	GPM ÷ 694.4 = MGD	CFS x 0.646 = MGD

Trapezoidal Flumes	Flow Range – GPM	<i>(H = Head in Feet)</i> Equation: Q** = CFS
Sm. 60° V	1 – 30 GPM	$Q = 1.55H^{2.58}$
Lg. 60° V	1 – 120	$Q = 1.55H^{2.58}$
XL 60° V	1 – 600	$Q = 1.548H^{2.6363}$
3.0' - 60° V	2 – 6,200	$Q = 1.325H^{2.5804}$
2" - 45° WSC	40 - 980	$Q = .00294 + .09447H + 1.426853H^2 + 2.263376H^3 - .3636866H^4$
12" - 45° SRCRC	100 – 2,955	$Q = 3.23H^{2.5} + .63H^{1.5} + .05$
18" - 45° TRAP.	120 – 14,400	$Q = 2.853 (H + .13558)^{2.497}$
2.0' TRAP.	320 – 21,970	$Q = -.07 - 2.6269H + 7.8721H^{.15} - 4.4588H^2 + 5.0894H^{2.5}$



FLOW CHART FOR 2.0' TRAPEZOIDAL FLUME

Head (feet)	MGD	CFS	GPM
0.30	0.43542	0.67490	302.89
0.31	0.45594	0.70671	317.17
0.32	0.47719	0.73965	331.95
0.33	0.49917	0.77371	347.24
0.34	0.52187	0.80890	363.04
0.35	0.54532	0.84525	379.35
0.36	0.56952	0.88276	396.18
0.37	0.59447	0.92143	413.54
0.38	0.62018	0.96128	431.42
0.39	0.64666	1.0023	449.85
0.40	0.67392	1.0446	468.80
0.41	0.70195	1.0880	488.31
0.42	0.73078	1.1327	508.36
0.43	0.76040	1.1786	528.96
0.44	0.79082	1.2258	550.12
0.45	0.82204	1.2742	571.84
0.46	0.85408	1.3238	594.13
0.47	0.88694	1.3748	616.99
0.48	0.92062	1.4270	640.42
0.49	0.95514	1.4805	664.43
0.50	0.99050	1.5353	689.03
0.51	1.0267	1.5914	714.21
0.52	1.0637	1.6488	739.99
0.53	1.1017	1.7076	766.36
0.54	1.1404	1.7677	793.33
0.55	1.1801	1.8291	820.90
0.56	1.2206	1.8919	849.09
0.57	1.2620	1.9561	877.89
0.58	1.3043	2.0216	907.30
0.59	1.3474	2.0885	937.34
0.60	1.3915	2.1569	968.00
0.61	1.4365	2.2266	999.29
0.62	1.4824	2.2977	1,031.2
0.63	1.5292	2.3703	1,063.8
0.64	1.5769	2.4442	1,097.0
0.65	1.6256	2.5196	1,130.8
0.66	1.6752	2.5965	1,165.3
0.67	1.7257	2.6748	1,200.5
0.68	1.7772	2.7546	1,236.3
0.69	1.8296	2.8359	1,272.7

Head (feet)	MGD	CFS	GPM
0.70	1.8830	2.9186	1,309.9
0.71	1.9373	3.0028	1,347.7
0.72	1.9926	3.0885	1,386.1
0.73	2.0489	3.1758	1,425.3
0.74	2.1061	3.2645	1,465.1
0.75	2.1644	3.3548	1,505.6
0.76	2.2236	3.4466	1,546.8
0.77	2.2838	3.5399	1,588.7
0.78	2.3450	3.6348	1,631.3
0.79	2.4073	3.7312	1,674.6
0.80	2.4705	3.8292	1,718.6
0.81	2.5347	3.9288	1,763.3
0.82	2.6000	4.0300	1,808.7
0.83	2.6663	4.1327	1,854.8
0.84	2.7336	4.2371	1,901.6
0.85	2.8019	4.3430	1,949.1
0.86	2.8713	4.4506	1,997.4
0.87	2.9418	4.5597	2,046.4
0.88	3.0133	4.6706	2,096.1
0.89	3.0858	4.7830	2,146.6
0.90	3.1594	4.8971	2,197.8
0.91	3.2341	5.0128	2,249.8
0.92	3.3098	5.1302	2,302.4
0.93	3.3866	5.2493	2,355.9
0.94	3.4645	5.3700	2,410.1
0.95	3.5435	5.4924	2,465.0
0.96	3.6236	5.6165	2,520.7
0.97	3.7047	5.7423	2,577.2
0.98	3.7870	5.8698	2,634.4
0.99	3.8704	5.9991	2,692.4
1.00	3.9548	6.1300	2,751.1
1.01	4.0404	6.2627	2,810.7
1.02	4.1271	6.3971	2,871.0
1.03	4.2150	6.5332	2,932.1
1.04	4.3039	6.6711	2,994.0
1.05	4.3940	6.8107	3,056.7
1.06	4.4853	6.9521	3,120.1
1.07	4.5776	7.0953	3,184.4
1.08	4.6711	7.2403	3,249.4
1.09	4.7658	7.3870	3,315.3

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FLOW CHART FOR 2.0' TRAPEZOIDAL FLUME

1.10	4.8616	7.5355	3,382.0
1.11	4.9586	7.6859	3,449.4
1.12	5.0568	7.8380	3,517.7
1.13	5.1561	7.9920	3,586.8
1.14	5.2566	8.1477	3,656.7
1.15	5.3583	8.3053	3,727.4
1.16	5.4611	8.4647	3,799.0
1.17	5.5652	8.6260	3,871.4
1.18	5.6704	8.7891	3,944.6
1.19	5.7768	8.9541	4,018.6
1.20	5.8845	9.1209	4,093.5
1.21	5.9933	9.2896	4,169.2
1.22	6.1034	9.4602	4,245.7
1.23	6.2146	9.6327	4,323.1
1.24	6.3271	9.8070	4,401.4
1.25	6.4408	9.9833	4,480.5
1.26	6.5558	10.161	4,560.4
1.27	6.6719	10.341	4,641.3
1.28	6.7893	10.523	4,722.9
1.29	6.9080	10.707	4,805.5
1.30	7.0279	10.893	4,888.9
1.31	7.1490	11.081	4,973.1
1.32	7.2714	11.271	5,058.3
1.33	7.3950	11.462	5,144.3
1.34	7.5199	11.656	5,231.2
1.35	7.6461	11.851	5,318.9
1.36	7.7735	12.049	5,407.6
1.37	7.9023	12.248	5,497.1
1.38	8.0322	12.450	5,587.6
1.39	8.1635	12.653	5,678.9
1.40	8.2961	12.859	5,771.1
1.41	8.4299	13.066	5,864.2
1.42	8.5651	13.276	5,958.2
1.43	8.7015	13.487	6,053.1
1.44	8.8393	13.701	6,149.0
1.45	8.9783	13.916	6,245.7
1.46	9.1187	14.134	6,343.3
1.47	9.2604	14.354	6,441.9
1.48	9.4034	14.575	6,541.4
1.49	9.5477	14.799	6,641.8

1.50	9.6934	15.025	6,743.1
1.51	9.8404	15.253	6,845.3
1.52	9.9887	15.482	6,948.5
1.53	10.138	15.714	7,052.6
1.54	10.289	15.948	7,157.7
1.55	10.442	16.185	7,263.7
1.56	10.595	16.423	7,370.6
1.57	10.750	16.663	7,478.4
1.58	10.907	16.906	7,587.2
1.59	11.065	17.150	7,697.0
1.60	11.224	17.397	7,807.7
1.61	11.384	17.646	7,919.4
1.62	11.546	17.897	8,032.0
1.63	11.709	18.150	8,145.6
1.64	11.874	18.405	8,260.1
1.65	12.040	18.662	8,375.6
1.66	12.208	18.922	8,492.1
1.67	12.376	19.183	8,609.5
1.68	12.547	19.447	8,727.9
1.69	12.718	19.713	8,847.3
1.70	12.891	19.981	8,967.6
1.71	13.066	20.252	9,089.0
1.72	13.241	20.524	9,211.3
1.73	13.419	20.799	9,334.6
1.74	13.597	21.076	9,458.9
1.75	13.778	21.355	9,584.2
1.76	13.959	21.637	9,710.5
1.77	14.142	21.920	9,837.8
1.78	14.326	22.206	9,966.0
1.79	14.512	22.494	10,095
1.80	14.700	22.784	10,226
1.81	14.888	23.077	10,357
1.82	15.078	23.372	10,489
1.83	15.270	23.669	10,622
1.84	15.463	23.968	10,757
1.85	15.658	24.269	10,892
1.86	15.854	24.573	11,028
1.87	16.051	24.879	11,166
1.88	16.250	25.188	11,304
1.89	16.451	25.498	11,444



FLOW CHART FOR 2.0' TRAPEZOIDAL FLUME

1.90	16.653	25.811	11,584
1.91	16.856	26.127	11,726
1.92	17.061	26.444	11,868
1.93	17.267	26.764	12,012
1.94	17.475	27.086	12,156
1.95	17.684	27.411	12,302
1.96	17.895	27.738	12,449
1.97	18.108	28.067	12,596
1.98	18.321	28.398	12,745
1.99	18.537	28.732	12,895
2.00	18.754	29.068	13,046
2.01	18.972	29.407	13,198
2.02	19.192	29.748	13,351
2.03	19.414	30.091	13,505
2.04	19.636	30.437	13,660
2.05	19.861	30.785	13,816
2.06	20.087	31.135	13,973
2.07	20.315	31.488	14,132
2.08	20.544	31.843	14,291
2.09	20.774	32.200	14,452
2.10	21.007	32.560	14,613
2.11	21.240	32.923	14,776
2.12	21.476	33.288	14,939
2.13	21.713	33.655	15,104
2.14	21.951	34.024	15,270
2.15	22.191	34.396	15,437
2.16	22.433	34.771	15,605
2.17	22.676	35.148	15,774
2.18	22.921	35.527	15,945
2.19	23.167	35.909	16,116
2.20	23.415	36.293	16,288
2.21	23.664	36.680	16,462
2.22	23.916	37.069	16,637
2.23	24.168	37.461	16,812
2.24	24.423	37.855	16,989
2.25	24.678	38.252	17,167
2.26	24.936	38.651	17,346
2.27	25.195	39.052	17,527
2.28	25.456	39.456	17,708
2.29	25.718	39.863	17,890

2.30	25.982	40.272	18,074
2.31	26.247	40.684	18,259
2.32	26.515	41.098	18,445
2.33	26.783	41.514	18,632
2.34	27.054	41.934	18,820
2.35	27.326	42.355	19,009
2.36	27.600	42.779	19,199
2.37	27.875	43.206	19,391
2.38	28.152	43.636	19,584
2.39	28.431	44.067	19,777
2.40	28.711	44.502	19,972
2.41	28.993	44.939	20,169
2.42	29.276	45.378	20,366
2.43	29.562	45.821	20,564
2.44	29.849	46.265	20,764
2.45	30.137	46.713	20,965
2.46	30.427	47.162	21,167
2.47	30.719	47.615	21,370
2.48	31.013	48.070	21,574
2.49	31.308	48.528	21,779
2.50	31.605	48.988	21,986



FLOW CHART FOR 2IN 45 TRAPEZOIDAL FLUME

Head (feet)	MGD	CFS	GPM
0.11	0.01789	0.02768	12.422
0.12	0.02119	0.03278	14.712
0.13	0.02477	0.03832	17.201
0.14	0.02865	0.04432	19.894
0.15	0.03283	0.05079	22.796
0.16	0.03732	0.05774	25.913
0.17	0.04212	0.06517	29.251
0.18	0.04725	0.07311	32.815
0.19	0.05272	0.08157	36.611
0.20	0.05853	0.09055	40.643
0.21	0.06468	0.10008	44.918
0.22	0.07119	0.11015	49.439
0.23	0.07807	0.12079	54.214
0.24	0.08532	0.13200	59.247
0.25	0.09294	0.14380	64.542
0.26	0.10095	0.15620	70.106
0.27	0.10936	0.16920	75.943
0.28	0.11816	0.18283	82.058
0.29	0.12738	0.19708	88.457
0.30	0.13701	0.21198	95.145
0.31	0.14706	0.22754	102.13
0.32	0.15754	0.24375	109.40
0.33	0.16846	0.26065	116.99
0.34	0.17982	0.27822	124.88
0.35	0.19163	0.29650	133.08
0.36	0.20390	0.31548	141.60
0.37	0.21663	0.33518	150.44
0.38	0.22984	0.35561	159.61
0.39	0.24352	0.37678	169.11
0.40	0.25768	0.39869	178.94
0.41	0.27233	0.42136	189.12
0.42	0.28749	0.44481	199.64
0.43	0.30314	0.46903	210.51
0.44	0.31930	0.49404	221.74
0.45	0.33599	0.51985	233.32
0.46	0.35319	0.54646	245.27
0.47	0.37092	0.57390	257.58
0.48	0.38918	0.60216	270.27
0.49	0.40799	0.63126	283.33
0.50	0.42734	0.66120	296.77

Head (feet)	MGD	CFS	GPM
0.51	0.44725	0.69200	310.59
0.48	0.38918	0.60216	270.27
0.49	0.40799	0.63126	283.33
0.50	0.42734	0.66120	296.77
0.51	0.44725	0.69200	310.59
0.52	0.46772	0.72366	324.80
0.53	0.48874	0.75620	339.41
0.54	0.51034	0.78962	354.41
0.55	0.53252	0.82393	369.81
0.56	0.55528	0.85914	385.61
0.57	0.57862	0.89526	401.82
0.58	0.60256	0.93230	418.45
0.59	0.62710	0.97027	435.49
0.60	0.65224	1.0092	452.94
0.61	0.67799	1.0490	470.83
0.62	0.70436	1.0898	489.14
0.63	0.73134	1.1316	507.88
0.64	0.75895	1.1743	527.05
0.65	0.78719	1.2180	546.66
0.66	0.81607	1.2627	566.72
0.67	0.84559	1.3083	587.22
0.68	0.87576	1.3550	608.16
0.69	0.90657	1.4027	629.56
0.70	0.93804	1.4514	651.42
0.71	0.97017	1.5011	673.73
0.72	1.0030	1.5518	696.51
0.73	1.0364	1.6036	719.75
0.74	1.0706	1.6564	743.46
0.75	1.1054	1.7103	767.64
0.76	1.1409	1.7652	792.30
0.77	1.1771	1.8212	817.43
0.78	1.2140	1.8783	843.05
0.79	1.2516	1.9365	869.15
0.80	1.2899	1.9957	895.73
0.81	1.3289	2.0560	922.81
0.82	1.3686	2.1175	950.38
0.83	1.4090	2.1800	978.45



FLOW CHART FOR 2IN 60 TRAPEZOIDAL FLUME

$$CFS = 1.856 \cdot (H + 0.0249)^{2.161}$$

Head (feet)	MGD	CFS	GPM
0.11	0.01581	0.02446	10.980
0.12	0.01845	0.02855	12.815
0.13	0.02132	0.03298	14.803
0.14	0.02440	0.03776	16.946
0.15	0.02771	0.04288	19.246
0.16	0.03125	0.04835	21.703
0.17	0.03502	0.05418	24.319
0.18	0.03902	0.06037	27.096
0.19	0.04325	0.06692	30.035
0.20	0.04772	0.07383	33.137
0.21	0.05242	0.08111	36.403
0.22	0.05736	0.08875	39.835
0.23	0.06254	0.09677	43.434
0.24	0.06797	0.10516	47.200
0.25	0.07363	0.11393	51.135
0.26	0.07955	0.12307	55.240
0.27	0.08570	0.13260	59.515
0.28	0.09211	0.14251	63.962
0.29	0.09876	0.15280	68.582
0.30	0.10566	0.16348	73.376
0.31	0.11281	0.17455	78.34
0.32	0.12022	0.18601	83.49
0.33	0.12788	0.19786	88.81
0.34	0.13579	0.21010	94.30
0.35	0.14396	0.22275	99.98
0.36	0.15239	0.23578	105.83
0.37	0.16108	0.24922	111.86
0.38	0.17002	0.26306	118.07
0.39	0.17923	0.27730	124.46
0.40	0.18869	0.29195	131.04
0.41	0.19842	0.30700	137.79
0.42	0.20841	0.32246	144.73
0.43	0.21867	0.33833	151.85
0.44	0.22919	0.35460	159.16
0.45	0.23997	0.37129	166.65
0.46	0.25103	0.38839	174.32
0.47	0.26235	0.40591	182.19
0.48	0.27394	0.42384	190.23
0.49	0.28580	0.44219	198.47

Head (feet)	MGD	CFS	GPM
0.50	0.29793	0.46096	206.89
0.51	0.31033	0.48015	215.51
0.48	0.27394	0.42384	190.23
0.49	0.28580	0.44219	198.47
0.50	0.29793	0.46096	206.89
0.51	0.31033	0.48015	215.51
0.52	0.32300	0.49976	224.31
0.53	0.33595	0.51979	233.30
0.54	0.34917	0.54024	242.48
0.55	0.36266	0.56112	251.85
0.56	0.37643	0.58243	261.41
0.57	0.39048	0.60416	271.17
0.58	0.40480	0.62632	281.11
0.59	0.41940	0.64891	291.25
0.60	0.43428	0.67193	301.58
0.61	0.44944	0.69538	312.11
0.62	0.46488	0.71927	322.83
0.63	0.48059	0.74359	333.75
0.64	0.49659	0.76834	344.86
0.65	0.51287	0.79353	356.16
0.66	0.52944	0.81916	367.66
0.67	0.54628	0.84522	379.36
0.68	0.56341	0.87173	391.26
0.69	0.58083	0.89867	403.35
0.70	0.59853	0.92606	415.64
0.71	0.61651	0.95389	428.13
0.72	0.6348	0.98216	440.82
0.73	0.6533	1.01087	453.71
0.74	0.6722	1.04003	466.80
0.75	0.6913	1.06964	480.09
0.76	0.7108	1.09969	493.58
0.77	0.7305	1.13019	507.27
0.78	0.7505	1.16114	521.16
0.79	0.7708	1.19254	535.25
0.80	0.7913	1.22439	549.55
0.81	0.8122	1.25670	564.04
0.82	0.8334	1.28945	578.74
0.83	0.8549	1.32266	593.65



FLOW CHART FOR 3.0' 60 TRAPEZOIDAL FLUME

Head (feet)	MGD	CFS	GPM
0.06			
0.07			
0.08			
0.09			
0.10	0.00225	0.00348	1.5627
0.11	0.00287	0.00445	1.9984
0.12	0.00360	0.00557	2.5014
0.13	0.00442	0.00685	3.0753
0.14	0.00535	0.00830	3.7234
0.15	0.00640	0.00991	4.4489
0.16	0.00755	0.01171	5.2551
0.17	0.00883	0.01369	6.1450
0.18	0.01024	0.01587	7.1215
0.19	0.01177	0.01824	8.1877
0.20	0.01344	0.02083	9.3464
0.21	0.01524	0.02362	10.600
0.22	0.01718	0.02663	11.952
0.23	0.01927	0.02987	13.405
0.24	0.02151	0.03334	14.961
0.25	0.02390	0.03704	16.623
0.26	0.02644	0.04098	18.394
0.27	0.02915	0.04518	20.275
0.28	0.03201	0.04962	22.270
0.29	0.03505	0.05432	24.380
0.30	0.03825	0.05929	26.609
0.31	0.04163	0.06452	28.959
0.32	0.04518	0.07003	31.431
0.33	0.04892	0.07582	34.028
0.34	0.05283	0.08189	36.753
0.35	0.05694	0.08825	39.608
0.36	0.06123	0.09491	42.594
0.37	0.06572	0.10186	45.715
0.38	0.07040	0.10912	48.971
0.39	0.07528	0.11668	52.366
0.40	0.08036	0.12456	55.902
0.41	0.08565	0.13275	59.579
0.42	0.09114	0.14127	63.402
0.43	0.09685	0.15011	67.371
0.44	0.10277	0.15929	71.488
0.45	0.10890	0.16880	75.756

Head (feet)	MGD	CFS	GPM
0.46	0.11526	0.17865	80.177
0.47	0.12183	0.18884	84.752
0.48	0.12863	0.19938	89.484
0.49	0.13566	0.21028	94.374
0.50	0.14292	0.22153	99.424
0.51	0.15042	0.23315	104.64
0.52	0.15815	0.24513	110.01
0.53	0.16611	0.25748	115.56
0.54	0.17432	0.27020	121.27
0.55	0.18277	0.28330	127.15
0.56	0.19147	0.29678	133.20
0.57	0.20042	0.31065	139.42
0.58	0.20962	0.32491	145.82
0.59	0.21907	0.33956	152.40
0.60	0.22878	0.35462	159.15
0.61	0.23875	0.37007	166.09
0.62	0.24898	0.38593	173.20
0.63	0.25948	0.40219	180.50
0.64	0.27024	0.41887	187.99
0.65	0.28127	0.43597	195.66
0.66	0.29257	0.45349	203.53
0.67	0.30415	0.47143	211.58
0.68	0.31600	0.48980	219.82
0.69	0.32813	0.50861	228.26
0.70	0.34055	0.52785	236.90
0.71	0.35324	0.54752	245.73
0.72	0.36622	0.56764	254.76
0.73	0.37949	0.58821	263.99
0.74	0.39305	0.60923	273.42
0.75	0.40690	0.63070	283.06
0.76	0.42105	0.65263	292.90
0.77	0.43550	0.67502	302.95
0.78	0.45024	0.69787	313.21
0.79	0.46529	0.72120	323.67
0.80	0.48064	0.74499	334.35
0.81	0.49629	0.76926	345.24
0.82	0.51226	0.79400	356.35
0.83	0.52853	0.81923	367.67
0.84	0.54512	0.84494	379.21
0.85	0.56203	0.87114	390.97



FLOW CHART FOR 3.0' 60 TRAPEZOIDAL FLUME

0.86	0.57925	0.89783	402.95
0.87	0.59679	0.92502	415.15
0.88	0.61465	0.95271	427.57
0.89	0.63283	0.98089	440.22
0.90	0.65135	1.0096	453.10
0.91	0.67018	1.0388	466.21
0.92	0.68935	1.0685	479.54
0.93	0.70886	1.0987	493.11
0.94	0.72869	1.1295	506.91
0.95	0.74886	1.1607	520.94
0.96	0.76937	1.1925	535.21
0.97	0.79022	1.2248	549.71
0.98	0.81142	1.2577	564.45
0.99	0.83295	1.2911	579.44
1.00	0.85484	1.3250	594.66
1.01	0.87707	1.3595	610.13
1.02	0.89966	1.3945	625.84
1.03	0.92259	1.4300	641.79
1.04	0.94588	1.4661	657.99
1.05	0.96953	1.5028	674.44
1.06	0.99354	1.5400	691.14
1.07	1.0179	1.5777	708.09
1.08	1.0426	1.6161	725.30
1.09	1.0677	1.6550	742.75
1.10	1.0932	1.6944	760.46
1.11	1.1190	1.7345	778.43
1.12	1.1452	1.7751	796.66
1.13	1.1718	1.8163	815.14
1.14	1.1987	1.8580	833.88
1.15	1.2261	1.9004	852.89
1.16	1.2538	1.9433	872.16
1.17	1.2818	1.9868	891.69
1.18	1.3103	2.0310	911.49
1.19	1.3391	2.0757	931.56
1.20	1.3684	2.1210	951.89
1.21	1.3980	2.1669	972.50
1.22	1.4280	2.2134	993.37
1.23	1.4584	2.2605	1,014.5
1.24	1.4892	2.3082	1,035.9
1.25	1.5204	2.3566	1,057.6

1.26	1.5520	2.4055	1,079.6
1.27	1.5839	2.4551	1,101.9
1.28	1.6163	2.5053	1,124.4
1.29	1.6491	2.5561	1,147.2
1.30	1.6823	2.6076	1,170.3
1.31	1.7159	2.6596	1,193.6
1.32	1.7499	2.7123	1,217.3
1.33	1.7843	2.7657	1,241.2
1.34	1.8191	2.8197	1,265.5
1.35	1.8544	2.8743	1,290.0
1.36	1.8900	2.9295	1,314.8
1.37	1.9261	2.9854	1,339.9
1.38	1.9626	3.0420	1,365.3
1.39	1.9995	3.0992	1,390.9
1.40	2.0368	3.1571	1,416.9
1.41	2.0746	3.2156	1,443.2
1.42	2.1128	3.2748	1,469.7
1.43	2.1514	3.3346	1,496.6
1.44	2.1904	3.3951	1,523.7
1.45	2.2299	3.4563	1,551.2
1.46	2.2698	3.5181	1,578.9
1.47	2.3101	3.5806	1,607.0
1.48	2.3509	3.6438	1,635.4
1.49	2.3921	3.7077	1,664.0
1.50	2.4337	3.7723	1,693.0
1.51	2.4758	3.8375	1,722.3
1.52	2.5183	3.9034	1,751.9
1.53	2.5613	3.9700	1,781.7
1.54	2.6047	4.0373	1,812.0
1.55	2.6486	4.1053	1,842.5
1.56	2.6929	4.1740	1,873.3
1.57	2.7377	4.2434	1,904.4
1.58	2.7829	4.3135	1,935.9
1.59	2.8286	4.3843	1,967.7
1.60	2.8747	4.4558	1,999.8
1.61	2.9213	4.5280	2,032.2
1.62	2.9684	4.6010	2,064.9
1.63	3.0159	4.6746	2,098.0
1.64	3.0638	4.7490	2,131.3
1.65	3.1123	4.8240	2,165.0



FLOW CHART FOR 3.0' 60 TRAPEZOIDAL FLUME

1.66	3.1612	4.8999	2,199.1
1.67	3.2106	4.9764	2,233.4
1.68	3.2604	5.0536	2,268.1
1.69	3.3107	5.1316	2,303.1
1.70	3.3615	5.2103	2,338.4
1.71	3.4128	5.2898	2,374.1
1.72	3.4645	5.3700	2,410.1
1.73	3.5167	5.4509	2,446.4
1.74	3.5694	5.5326	2,483.0
1.75	3.6226	5.6150	2,520.0
1.76	3.6763	5.6982	2,557.3
1.77	3.7304	5.7821	2,595.0
1.78	3.7850	5.8668	2,633.0
1.79	3.8401	5.9522	2,671.3
1.80	3.8957	6.0384	2,710.0
1.81	3.9518	6.1253	2,749.0
1.82	4.0084	6.2130	2,788.4
1.83	4.0655	6.3015	2,828.1
1.84	4.1231	6.3907	2,868.2
1.85	4.1811	6.4808	2,908.6
1.86	4.2397	6.5715	2,949.3
1.87	4.2988	6.6631	2,990.4
1.88	4.3583	6.7554	3,031.8
1.89	4.4184	6.8485	3,073.6
1.90	4.4790	6.9424	3,115.8
1.91	4.5401	7.0371	3,158.3
1.92	4.6017	7.1326	3,201.1
1.93	4.6638	7.2288	3,244.3
1.94	4.7264	7.3259	3,287.9
1.95	4.7895	7.4237	3,331.8
1.96	4.8531	7.5223	3,376.0
1.97	4.9173	7.6218	3,420.7
1.98	4.9819	7.7220	3,465.6
1.99	5.0471	7.8231	3,511.0
2.00	5.1128	7.9249	3,556.7
2.01	5.1791	8.0275	3,602.8
2.02	5.2458	8.1310	3,649.2
2.03	5.3131	8.2353	3,696.0
2.04	5.3809	8.3404	3,743.2
2.05	5.4492	8.4463	3,790.7

2.06	5.5181	8.5530	3,838.6
2.07	5.5875	8.6606	3,886.9
2.08	5.6574	8.7689	3,935.5
2.09	5.7278	8.8781	3,984.5
2.10	5.7988	8.9882	4,033.9
2.11	5.8703	9.0990	4,083.6
2.12	5.9424	9.2107	4,133.8
2.13	6.0150	9.3232	4,184.3
2.14	6.0881	9.4366	4,235.1
2.15	6.1618	9.5508	4,286.4
2.16	6.2360	9.6659	4,338.0
2.17	6.3108	9.7818	4,390.0
2.18	6.3861	9.8985	4,442.4
2.19	6.4620	10.016	4,495.2
2.20	6.5384	10.135	4,548.4
2.21	6.6154	10.254	4,601.9
2.22	6.6929	10.374	4,655.8
2.23	6.7710	10.495	4,710.1
2.24	6.8496	10.617	4,764.8
2.25	6.9288	10.740	4,819.9
2.26	7.0085	10.863	4,875.4
2.27	7.0888	10.988	4,931.3
2.28	7.1697	11.113	4,987.5
2.29	7.2511	11.239	5,044.2
2.30	7.3331	11.366	5,101.2
2.31	7.4156	11.494	5,158.6
2.32	7.4988	11.623	5,216.4
2.33	7.5824	11.753	5,274.7
2.34	7.6667	11.883	5,333.3
2.35	7.7515	12.015	5,392.3
2.36	7.8369	12.147	5,451.7
2.37	7.9229	12.281	5,511.5
2.38	8.0095	12.415	5,571.7
2.39	8.0966	12.550	5,632.3
2.40	8.1843	12.686	5,693.3
2.41	8.2726	12.822	5,754.7
2.42	8.3614	12.960	5,816.6
2.43	8.4509	13.099	5,878.8
2.44	8.5409	13.238	5,941.4
2.45	8.6315	13.379	6,004.4



FLOW CHART FOR 3.0' 60 TRAPEZOIDAL FLUME

2.46	8.7227	13.520	6,067.9
2.47	8.8145	13.663	6,131.7
2.48	8.9069	13.806	6,196.0
2.49	8.9999	13.950	6,260.7
2.50	9.0934	14.095	6,325.8



FLOW CHART FOR 12" 45° SRCRC TRAPEZOIDAL FLUME

Head (feet)	MGD	CFS	GPM
0.16	0.07975	0.12340	55.384
0.17	0.08558	0.13265	59.536
0.18	0.09194	0.14251	63.964
0.19	0.09871	0.15300	68.672
0.20	0.10589	0.16413	73.666
0.21	0.11349	0.17590	78.951
0.22	0.12151	0.18834	84.531
0.23	0.12996	0.20144	90.411
0.24	0.13885	0.21522	96.596
0.25	0.14819	0.22969	103.09
0.26	0.15797	0.24486	109.90
0.27	0.16822	0.26074	117.03
0.28	0.17893	0.27734	124.48
0.29	0.19011	0.29467	132.26
0.30	0.20177	0.31274	140.37
0.31	0.21391	0.33156	148.82
0.32	0.22654	0.35114	157.60
0.33	0.23967	0.37149	166.74
0.34	0.25330	0.39262	176.22
0.35	0.26744	0.41453	186.06
0.36	0.28209	0.43724	196.25
0.37	0.29727	0.46076	206.80
0.38	0.31296	0.48509	217.72
0.39	0.32919	0.51025	229.01
0.40	0.34596	0.53623	240.68
0.41	0.36326	0.56306	252.72
0.42	0.38112	0.59073	265.14
0.43	0.39953	0.61927	277.95
0.44	0.41850	0.64867	291.14
0.45	0.43803	0.67894	304.73
0.46	0.45813	0.71010	318.72
0.47	0.47881	0.74215	333.10
0.48	0.50006	0.77510	347.89
0.49	0.52191	0.80896	363.08
0.50	0.54434	0.84373	378.69
0.51	0.56737	0.87942	394.71
0.52	0.59100	0.91605	411.15
0.53	0.61523	0.95361	428.01
0.54	0.64008	0.99212	445.30
0.55	0.66554	1.0316	463.01

Head (feet)	MGD	CFS	GPM
0.56	0.69162	1.0720	481.15
0.57	0.71833	1.1134	499.73
0.58	0.74567	1.1558	518.75
0.59	0.77364	1.1991	538.21
0.60	0.80226	1.2435	558.12
0.61	0.83152	1.2888	578.48
0.62	0.86142	1.3352	599.28
0.63	0.89198	1.3826	620.54
0.64	0.92320	1.4310	642.26
0.65	0.95509	1.4804	664.44
0.66	0.98764	1.5308	687.09
0.67	1.0209	1.5823	710.20
0.68	1.0548	1.6349	733.79
0.69	1.0893	1.6885	757.84
0.70	1.1246	1.7431	782.38
0.71	1.1606	1.7989	807.39
0.72	1.1972	1.8557	832.89
0.73	1.2346	1.9136	858.88
0.74	1.2726	1.9726	885.35
0.75	1.3114	2.0327	912.32
0.76	1.3509	2.0938	939.78
0.77	1.3911	2.1561	967.74
0.78	1.4320	2.2196	996.20
0.79	1.4736	2.2841	1,025.2
0.80	1.5160	2.3498	1,054.6
0.81	1.5591	2.4166	1,084.6
0.82	1.6029	2.4845	1,115.1
0.83	1.6475	2.5536	1,146.1
0.84	1.6928	2.6238	1,177.7
0.85	1.7389	2.6952	1,209.7
0.86	1.7857	2.7678	1,242.3
0.87	1.8333	2.8416	1,275.4
0.88	1.8816	2.9165	1,309.0
0.89	1.9307	2.9926	1,343.2
0.90	1.9806	3.0699	1,377.9
0.91	2.0313	3.1485	1,413.1
0.92	2.0827	3.2282	1,448.9
0.93	2.1349	3.3091	1,485.2
0.94	2.1879	3.3912	1,522.1
0.95	2.2417	3.4746	1,559.5



FLOW CHART FOR 12" 45° SRCRC TRAPEZOIDAL FLUME

0.96	2.2963	3.5592	1,597.5
0.97	2.3516	3.6450	1,636.0
0.98	2.4078	3.7321	1,675.1
0.99	2.4648	3.8204	1,714.7
1.00	2.5226	3.9100	1,754.9
1.01	2.5812	4.0008	1,795.7
1.02	2.6406	4.0929	1,837.0
1.03	2.7008	4.1863	1,878.9
1.04	2.7619	4.2809	1,921.4
1.05	2.8238	4.3769	1,964.5
1.06	2.8865	4.4741	2,008.1
1.07	2.9500	4.5726	2,052.3
1.08	3.0144	4.6724	2,097.1
1.09	3.0797	4.7735	2,142.5
1.10	3.1457	4.8759	2,188.4
1.11	3.2127	4.9796	2,235.0
1.12	3.2804	5.0847	2,282.2
1.13	3.3491	5.1910	2,329.9
1.14	3.4186	5.2988	2,378.2
1.15	3.4889	5.4078	2,427.2
1.16	3.5601	5.5182	2,476.7
1.17	3.6322	5.6299	2,526.9
1.18	3.7052	5.7430	2,577.6
1.19	3.7790	5.8575	2,629.0
1.20	3.8537	5.9733	2,681.0
1.21	3.9293	6.0905	2,733.6



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



FLOW CHART FOR 18" 45° TRAPEZOIDAL FLUME

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



FLOW CHART FOR 18" 45° TRAPEZOIDAL FLUME

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



FLOW CHART FOR LG 60 TRAPEZOIDAL FLUME

Head (feet)	MGD	CFS	GPM
0.01			
0.02			
0.03			
0.040	0.00025	0.00038	0.17207
0.050	0.00044	0.00068	0.30600
0.060	0.00070	0.00109	0.48980
0.070	0.00105	0.00162	0.72902
0.080	0.00148	0.00229	1.0289
0.090	0.00200	0.00311	1.3942
0.100	0.00263	0.00408	1.8297
0.110	0.00336	0.00521	2.3398
0.120	0.00421	0.00653	2.9287
0.130	0.00518	0.00802	3.6005
0.140	0.00627	0.00971	4.3591
0.150	0.00749	0.01161	5.2083
0.160	0.00884	0.01371	6.1520
0.170	0.01034	0.01603	7.1935
0.180	0.01198	0.01858	8.3366
0.190	0.01378	0.02136	9.5845
0.200	0.01573	0.02438	10.941
0.210	0.01784	0.02765	12.408
0.220	0.02011	0.03117	13.991
0.230	0.02256	0.03496	15.691
0.240	0.02517	0.03902	17.512
0.250	0.02797	0.04335	19.457

Head (feet)	MGD	CFS	GPM
0.260	0.03095	0.04797	21.529
0.270	0.03411	0.05287	23.730
0.280	0.03747	0.05808	26.065
0.290	0.04102	0.06358	28.535
0.300	0.04477	0.06939	31.143
0.310	0.04872	0.07552	33.892
0.320	0.05288	0.08196	36.785
0.330	0.05725	0.08874	39.825
0.340	0.06183	0.09584	43.013
0.350	0.06663	0.10328	46.353
0.360	0.07166	0.11107	49.848
0.370	0.07691	0.11920	53.499
0.380	0.08238	0.12769	57.309
0.390	0.08809	0.13655	61.282
0.400	0.09404	0.14576	65.418
0.410	0.10023	0.15535	69.722
0.420	0.10666	0.16532	74.194
0.430	0.11333	0.17566	78.838
0.440	0.12026	0.18640	83.655
0.450	0.12743	0.19752	88.649
0.460	0.13487	0.20905	93.821
0.470	0.14256	0.22098	99.174
0.480	0.15052	0.23331	104.71
0.490	0.15875	0.24606	110.43
0.500	0.16724	0.25922	116.34



FLOW CHART FOR SM 60 TRAPEZOIDAL FLUME

Head (feet)	MGD	CFS	GPM
0.01			
0.02			
0.03			
0.04	0.00025	0.00038	0.17207
0.05	0.00044	0.00068	0.30600
0.06	0.00070	0.00109	0.48980
0.07	0.00105	0.00162	0.72902
0.08	0.00148	0.00229	1.0289
0.09	0.00200	0.00311	1.3942
0.10	0.00263	0.00408	1.8297
0.11	0.00336	0.00521	2.3398
0.12	0.00421	0.00653	2.9287
0.13	0.00518	0.00802	3.6005
0.14	0.00627	0.00971	4.3591
0.15	0.00749	0.01161	5.2083

Head (feet)	MGD	CFS	GPM
0.16	0.00884	0.01371	6.1520
0.17	0.01034	0.01603	7.1935
0.18	0.01198	0.01858	8.3366
0.19	0.01378	0.02136	9.5845
0.20	0.01573	0.02438	10.941
0.21	0.01784	0.02765	12.408
0.22	0.02011	0.03117	13.991
0.23	0.02256	0.03496	15.691
0.24	0.02517	0.03902	17.512
0.25	0.02797	0.04335	19.457
0.26	0.03095	0.04797	21.529
0.27	0.03411	0.05287	23.730
0.28	0.03747	0.05808	26.065
0.29	0.04102	0.06358	28.535
0.30	0.04477	0.06939	31.143



FLOW CHART FOR XL 60 TRAPEZOIDAL FLUME

Head (feet)	MGD	CFS	GPM
0.01			
0.02			
0.03			
0.04			
0.05			
0.06	0.00060	0.00093	0.41751
0.07	0.00090	0.00140	0.62684
0.08	0.00128	0.00199	0.89133
0.09	0.00175	0.00271	1.2159
0.10	0.00231	0.00358	1.6052
0.11	0.00297	0.00460	2.0637
0.12	0.00373	0.00578	2.5958
0.13	0.00461	0.00714	3.2056
0.14	0.00560	0.00868	3.8973
0.15	0.00672	0.01042	4.6747
0.16	0.00797	0.01235	5.5417
0.17	0.00935	0.01449	6.5021
0.18	0.01087	0.01684	7.5596
0.19	0.01253	0.01942	8.7177
0.20	0.01435	0.02224	9.9800
0.21	0.01632	0.02529	11.350
0.22	0.01844	0.02859	12.831
0.23	0.02074	0.03214	14.426
0.24	0.02320	0.03596	16.139
0.25	0.02584	0.04005	17.973
0.26	0.02865	0.04441	19.930
0.27	0.03165	0.04905	22.015
0.28	0.03483	0.05399	24.231
0.29	0.03821	0.05922	26.579
0.30	0.04178	0.06476	29.064
0.31	0.04555	0.07061	31.688
0.32	0.04953	0.07677	34.455
0.33	0.05372	0.08326	37.366
0.34	0.05811	0.09008	40.426
0.35	0.06273	0.09723	43.637
0.36	0.06756	0.10473	47.001
0.37	0.07263	0.11257	50.521
0.38	0.07792	0.12077	54.201
0.39	0.08344	0.12933	58.043
0.40	0.08920	0.13826	62.049

Head (feet)	MGD	CFS	GPM
0.41	0.09520	0.14755	66.223
0.42	0.10144	0.15723	70.566
0.43	0.10793	0.16730	75.082
0.44	0.11468	0.17775	79.773
0.45	0.12168	0.18860	84.642
0.46	0.12893	0.19985	89.692
0.47	0.13646	0.21151	94.924
0.48	0.14424	0.22358	100.34
0.49	0.15230	0.23607	105.95
0.50	0.16063	0.24898	111.74
0.51	0.16924	0.26232	117.73
0.52	0.17813	0.27610	123.91
0.53	0.18730	0.29032	130.30
0.54	0.19677	0.30499	136.88
0.55	0.20652	0.32010	143.66
0.56	0.21656	0.33568	150.65
0.57	0.22691	0.35171	157.85
0.58	0.23756	0.36821	165.25
0.59	0.24851	0.38518	172.87
0.60	0.25976	0.40263	180.70
0.61	0.27133	0.42057	188.75
0.62	0.28322	0.43899	197.02
0.63	0.29542	0.45790	205.51
0.64	0.30794	0.47731	214.22
0.65	0.32079	0.49723	223.16
0.66	0.33397	0.51765	232.32
0.67	0.34747	0.53858	241.72
0.68	0.36131	0.56003	251.34
0.69	0.37549	0.58201	261.21
0.70	0.39001	0.60451	271.30
0.71	0.40487	0.62754	281.64
0.72	0.42007	0.65111	292.22
0.73	0.43563	0.67523	303.04
0.74	0.45154	0.69988	314.11
0.75	0.46780	0.72510	325.42
0.76	0.48443	0.75086	336.99
0.77	0.50141	0.77719	348.80
0.78	0.51876	0.80408	360.87
0.79	0.53648	0.83154	373.20
0.80	0.55457	0.85958	385.78



FLOW CHART FOR XL 60 TRAPEZOIDAL FLUME

0.81	0.57303	0.88820	398.62
0.82	0.59187	0.91740	411.73
0.83	0.61109	0.94719	425.10
0.84	0.63069	0.97757	438.73
0.85	0.65068	1.0086	452.64
0.86	0.67105	1.0401	466.81
0.87	0.69182	1.0723	481.26
0.88	0.71298	1.1051	495.98
0.89	0.73454	1.1385	510.98
0.90	0.75650	1.1726	526.25
0.91	0.77886	1.2072	541.81
0.92	0.80163	1.2425	557.64
0.93	0.82480	1.2784	573.77
0.94	0.84839	1.3150	590.17
0.95	0.87239	1.3522	606.87