



770.664.6513 (V) 770.664.6565 (F)

## Discharge Table For 84" Parshall Flume

Document: PAR84-D-T Date: 5-11-01 By: Matt Kazmier

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
0.01	0.12			
0.02	0.24			
0.03	0.36			
0.04	0.48			
0.05	0.60			
0.06	0.72			
0.07	0.84			
0.08	0.96			
0.09	1.08			
0.10	1.20			
0.11	1.32			
0.12	1.44			
0.13	1.56			
0.14	1.68			
0.15	1.80			
0.16	1.92			
0.17	2.04			
0.18	2.16			
0.19	2.28			
0.20	2.40			
0.21	2.52			
0.22	2.64			
0.23	2.76			
0.24	2.88			
0.25	3.00			
0.26	3.12			
0.27	3.24			
0.28	3.36			
0.29	3.48			
0.30	3.60	4.074	1828	2.633
0.31	3.72	4.294	1927	2.775
0.32	3.84	4.518	2028	2.920
0.33	3.96	4.746	2130	3.067
0.34	4.08	4.978	2234	3.217
0.35	4.20	5.215	2340	3.370
0.36	4.32	5.455	2448	3.526
0.37	4.44	5.700	2558	3.684
0.38	4.56	5.948	2670	3.844
0.39	4.68	6.201	2783	4.008
0.40	4.80	6.457	2898	4.173
0.41	4.92	6.718	3015	4.342
0.42	5.04	6.982	3134	4.513
0.43	5.16	7.250	3254	4.686
0.44	5.28	7.522	3376	4.861
0.45	5.40	7.798	3500	5.040
0.46	5.52	8.077	3625	5.220
0.47	5.64	8.360	3752	5.403
0.48	5.76	8.646	3880	5.588
0.49	5.88	8.936	4011	5.776
0.50	6.00	9.230	4143	5.966

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
0.51	6.12	9.528	4276	6.158
0.52	6.24	9.828	4411	6.352
0.53	6.36	10.13	4548	6.549
0.54	6.48	10.44	4686	6.748
0.55	6.60	10.75	4825	6.949
0.56	6.72	11.07	4967	7.152
0.57	6.84	11.38	5109	7.358
0.58	6.96	11.71	5254	7.566
0.59	7.08	12.03	5399	7.776
0.60	7.20	12.36	5547	7.988
0.61	7.32	12.69	5695	8.202
0.62	7.44	13.03	5846	8.418
0.63	7.56	13.36	5997	8.637
0.64	7.68	13.70	6150	8.857
0.65	7.80	14.05	6305	9.080
0.66	7.92	14.40	6461	9.304
0.67	8.04	14.75	6618	9.531
0.68	8.16	15.10	6777	9.760
0.69	8.28	15.46	6938	9.991
0.70	8.40	15.82	7099	10.22
0.71	8.52	16.18	7262	10.46
0.72	8.64	16.55	7427	10.70
0.73	8.76	16.92	7593	10.93
0.74	8.88	17.29	7760	11.17
0.75	9.00	17.67	7928	11.42
0.76	9.12	18.04	8098	11.66
0.77	9.24	18.43	8270	11.91
0.78	9.36	18.81	8442	12.16
0.79	9.48	19.20	8616	12.41
0.80	9.60	19.59	8791	12.66
0.81	9.72	19.98	8968	12.91
0.82	9.84	20.38	9146	13.17
0.83	9.96	20.78	9325	13.43
0.84	10.08	21.18	9506	13.69
0.85	10.20	21.59	9687	13.95
0.86	10.32	21.99	9871	14.21
0.87	10.44	22.40	10055	14.48
0.88	10.56	22.82	10241	14.75
0.89	10.68	23.23	10428	15.02
0.90	10.80	23.65	10616	15.29
0.91	10.92	24.08	10805	15.56
0.92	11.04	24.50	10996	15.83
0.93	11.16	24.93	11188	16.11
0.94	11.28	25.36	11381	16.39
0.95	11.40	25.79	11576	16.67
0.96	11.52	26.23	11771	16.95
0.97	11.64	26.67	11968	17.24
0.98	11.76	27.11	12166	17.52
0.99	11.88	27.55	12366	17.81
1.00	12.00	28.00	12566	18.10



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## Discharge Table For 84" Parshall Flume

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
1.01	12.12	28.45	12768	18.39
1.02	12.24	28.90	12971	18.68
1.03	12.36	29.36	13175	18.97
1.04	12.48	29.81	13381	19.27
1.05	12.60	30.27	13587	19.57
1.06	12.72	30.74	13795	19.87
1.07	12.84	31.20	14004	20.17
1.08	12.96	31.67	14214	20.47
1.09	13.08	32.14	14425	20.77
1.10	13.20	32.62	14638	21.08
1.11	13.32	33.09	14852	21.39
1.12	13.44	33.57	15066	21.70
1.13	13.56	34.05	15282	22.01
1.14	13.68	34.54	15499	22.32
1.15	13.80	35.02	15718	22.63
1.16	13.92	35.51	15937	22.95
1.17	14.04	36.00	16158	23.27
1.18	14.16	36.50	16379	23.59
1.19	14.28	36.99	16602	23.91
1.20	14.40	37.49	16826	24.23
1.21	14.52	37.99	17051	24.55
1.22	14.64	38.50	17277	24.88
1.23	14.76	39.00	17504	25.21
1.24	14.88	39.51	17733	25.54
1.25	15.00	40.02	17962	25.87
1.26	15.12	40.54	18193	26.20
1.27	15.24	41.05	18425	26.53
1.28	15.36	41.57	18657	26.87
1.29	15.48	42.09	18891	27.20
1.30	15.60	42.62	19126	27.54
1.31	15.72	43.14	19362	27.88
1.32	15.84	43.67	19600	28.22
1.33	15.96	44.20	19838	28.57
1.34	16.08	44.74	20077	28.91
1.35	16.20	45.27	20318	29.26
1.36	16.32	45.81	20559	29.61
1.37	16.44	46.35	20802	29.96
1.38	16.56	46.89	21045	30.31
1.39	16.68	47.44	21290	30.66
1.40	16.80	47.99	21536	31.01
1.41	16.92	48.54	21783	31.37
1.42	17.04	49.09	22030	31.73
1.43	17.16	49.64	22279	32.08
1.44	17.28	50.20	22529	32.44
1.45	17.40	50.76	22780	32.80
1.46	17.52	51.32	23032	33.17
1.47	17.64	51.88	23285	33.53
1.48	17.76	52.45	23540	33.90
1.49	17.88	53.02	23795	34.27
1.50	18.00	53.59	24051	34.63

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
1.51	18.12	54.16	24308	35.01
1.52	18.24	54.74	24566	35.38
1.53	18.36	55.32	24826	35.75
1.54	18.48	55.90	25086	36.13
1.55	18.60	56.48	25347	36.50
1.56	18.72	57.06	25609	36.88
1.57	18.84	57.65	25873	37.26
1.58	18.96	58.24	26137	37.64
1.59	19.08	58.83	26402	38.02
1.60	19.20	59.42	26669	38.40
1.61	19.32	60.02	26936	38.79
1.62	19.44	60.62	27205	39.18
1.63	19.56	61.22	27474	39.56
1.64	19.68	61.82	27744	39.95
1.65	19.80	62.42	28016	40.34
1.66	19.92	63.03	28288	40.74
1.67	20.04	63.64	28561	41.13
1.68	20.16	64.25	28836	41.52
1.69	20.28	64.86	29111	41.92
1.70	20.40	65.48	29387	42.32
1.71	20.52	66.10	29664	42.72
1.72	20.64	66.72	29943	43.12
1.73	20.76	67.34	30222	43.52
1.74	20.88	67.96	30502	43.92
1.75	21.00	68.59	30783	44.33
1.76	21.12	69.22	31065	44.74
1.77	21.24	69.85	31348	45.14
1.78	21.36	70.48	31632	45.55
1.79	21.48	71.12	31917	45.96
1.80	21.60	71.75	32203	46.37
1.81	21.72	72.39	32490	46.79
1.82	21.84	73.03	32778	47.20
1.83	21.96	73.68	33067	47.62
1.84	22.08	74.32	33356	48.04
1.85	22.20	74.97	33647	48.45
1.86	22.32	75.62	33939	48.87
1.87	22.44	76.27	34231	49.30
1.88	22.56	76.93	34525	49.72
1.89	22.68	77.58	34819	50.14
1.90	22.80	78.24	35115	50.57
1.91	22.92	78.90	35411	50.99
1.92	23.04	79.56	35709	51.42
1.93	23.16	80.23	36007	51.85
1.94	23.28	80.90	36306	52.28
1.95	23.40	81.56	36606	52.71
1.96	23.52	82.23	36907	53.15
1.97	23.64	82.91	37209	53.58
1.98	23.76	83.58	37512	54.02
1.99	23.88	84.26	37816	54.46
2.00	24.00	84.94	38120	54.90



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**Discharge Table  
For  
84" Parshall Flume**

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
2.01	24.12	85.62	38426	55.34
2.02	24.24	86.30	38732	55.78
2.03	24.36	86.99	39040	56.22
2.04	24.48	87.67	39348	56.66
2.05	24.60	88.36	39657	57.11
2.06	24.72	89.05	39968	57.56
2.07	24.84	89.75	40279	58.00
2.08	24.96	90.44	40591	58.45
2.09	25.08	91.14	40903	58.90
2.10	25.20	91.84	41217	59.36
2.11	25.32	92.54	41532	59.81
2.12	25.44	93.24	41848	60.26
2.13	25.56	93.95	42164	60.72
2.14	25.68	94.66	42481	61.18
2.15	25.80	95.36	42800	61.63
2.16	25.92	96.08	43119	62.09
2.17	26.04	96.79	43439	62.55
2.18	26.16	97.50	43760	63.02
2.19	26.28	98.22	44082	63.48
2.20	26.40	98.94	44404	63.94
2.21	26.52	99.66	44728	64.41
2.22	26.64	100.4	45052	64.88
2.23	26.76	101.1	45378	65.35
2.24	26.88	101.8	45704	65.82
2.25	27.00	102.6	46031	66.29
2.26	27.12	103.3	46359	66.76
2.27	27.24	104.0	46688	67.23
2.28	27.36	104.8	47017	67.71
2.29	27.48	105.5	47348	68.18
2.30	27.60	106.2	47679	68.66
2.31	27.72	107.0	48012	69.14
2.32	27.84	107.7	48345	69.62
2.33	27.96	108.5	48679	70.10
2.34	28.08	109.2	49014	70.58
2.35	28.20	110.0	49350	71.07
2.36	28.32	110.7	49686	71.55
2.37	28.44	111.5	50024	72.04
2.38	28.56	112.2	50362	72.52
2.39	28.68	113.0	50701	73.01
2.40	28.80	113.7	51041	73.50
2.41	28.92	114.5	51382	73.99
2.42	29.04	115.2	51724	74.49
2.43	29.16	116.0	52067	74.98
2.44	29.28	116.8	52410	75.47
2.45	29.40	117.5	52755	75.97
2.46	29.52	118.3	53100	76.47
2.47	29.64	119.1	53446	76.97
2.48	29.76	119.9	53793	77.46
2.49	29.88	120.6	54140	77.97
2.50	30.00	121.4	54489	78.47