



770.664.6513 (V) 770.664.6565 (F)

Discharge Table For 30" Montana Flume

Document: MON30-D-T Date: 1-26-04 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	0.8138	365.2	0.5260
0.21	2.52	0.8781	394.1	0.5675
0.22	2.64	0.9441	423.7	0.6102
0.23	2.76	1.012	454.1	0.6540
0.24	2.88	1.081	485.3	0.6988
0.25	3.00	1.152	517.2	0.7447
0.26	3.12	1.225	549.8	0.7917
0.27	3.24	1.299	583.1	0.8397
0.28	3.36	1.375	617.1	0.8886
0.29	3.48	1.452	651.8	0.9386
0.30	3.60	1.531	687.1	0.9895
0.31	3.72	1.611	723.2	1.041
0.32	3.84	1.693	759.9	1.094
0.33	3.96	1.776	797.2	1.148
0.34	4.08	1.861	835.2	1.203
0.35	4.20	1.947	873.8	1.258
0.36	4.32	2.034	913.0	1.315
0.37	4.44	2.123	952.8	1.372
0.38	4.56	2.213	993.3	1.430
0.39	4.68	2.305	1034	1.489
0.40	4.80	2.397	1076	1.549
0.41	4.92	2.491	1118	1.610
0.42	5.04	2.587	1161	1.672
0.43	5.16	2.683	1204	1.734
0.44	5.28	2.781	1248	1.798
0.45	5.40	2.880	1293	1.862
0.46	5.52	2.981	1338	1.927
0.47	5.64	3.082	1383	1.992
0.48	5.76	3.185	1430	2.059
0.49	5.88	3.289	1476	2.126
0.50	6.00	3.395	1523	2.194

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
0.51	6.12	3.501	1571	2.263
0.52	6.24	3.609	1620	2.332
0.53	6.36	3.717	1668	2.403
0.54	6.48	3.827	1718	2.474
0.55	6.60	3.938	1767	2.545
0.56	6.72	4.050	1818	2.618
0.57	6.84	4.164	1869	2.691
0.58	6.96	4.278	1920	2.765
0.59	7.08	4.394	1972	2.840
0.60	7.20	4.510	2024	2.915
0.61	7.32	4.628	2077	2.991
0.62	7.44	4.747	2130	3.068
0.63	7.56	4.867	2184	3.145
0.64	7.68	4.988	2238	3.224
0.65	7.80	5.110	2293	3.302
0.66	7.92	5.233	2348	3.382
0.67	8.04	5.357	2404	3.462
0.68	8.16	5.482	2460	3.543
0.69	8.28	5.608	2517	3.625
0.70	8.40	5.735	2574	3.707
0.71	8.52	5.864	2632	3.790
0.72	8.64	5.993	2690	3.873
0.73	8.76	6.123	2748	3.957
0.74	8.88	6.254	2807	4.042
0.75	9.00	6.386	2866	4.128
0.76	9.12	6.520	2926	4.214
0.77	9.24	6.654	2986	4.300
0.78	9.36	6.789	3047	4.388
0.79	9.48	6.925	3108	4.476
0.80	9.60	7.062	3170	4.564
0.81	9.72	7.200	3232	4.654
0.82	9.84	7.339	3294	4.743
0.83	9.96	7.479	3357	4.834
0.84	10.08	7.620	3420	4.925
0.85	10.20	7.762	3484	5.017
0.86	10.32	7.905	3548	5.109
0.87	10.44	8.049	3612	5.202
0.88	10.56	8.193	3677	5.295
0.89	10.68	8.339	3743	5.390
0.90	10.80	8.486	3808	5.484
0.91	10.92	8.633	3874	5.579
0.92	11.04	8.781	3941	5.675
0.93	11.16	8.930	4008	5.772
0.94	11.28	9.081	4075	5.869
0.95	11.40	9.232	4143	5.966
0.96	11.52	9.384	4211	6.065
0.97	11.64	9.536	4280	6.163
0.98	11.76	9.690	4349	6.263
0.99	11.88	9.845	4418	6.363
1.00	12.00	10.00	4488	6.463

Source: United States Department of the Interior, Bureau of Reclamation, Water Measurement Manual, Third Edition, pp. A-17 - A22, interpolation between 24" and 36".

Table is believed to be accurate, but is not warranted so.



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770.664.6513 (V) 770.664.6906 (F)

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
1.01	12.12	10.16	4558	6.564
1.02	12.24	10.31	4629	6.666
1.03	12.36	10.47	4700	6.768
1.04	12.48	10.63	4771	6.870
1.05	12.60	10.79	4843	6.974
1.06	12.72	10.95	4915	7.077
1.07	12.84	11.11	4987	7.182
1.08	12.96	11.27	5060	7.287
1.09	13.08	11.44	5133	7.392
1.10	13.20	11.60	5207	7.498
1.11	13.32	11.77	5281	7.605
1.12	13.44	11.93	5355	7.712
1.13	13.56	12.10	5430	7.819
1.14	13.68	12.27	5505	7.927
1.15	13.80	12.43	5580	8.036
1.16	13.92	12.60	5656	8.145
1.17	14.04	12.77	5732	8.255
1.18	14.16	12.94	5809	8.365
1.19	14.28	13.11	5886	8.476
1.20	14.40	13.29	5963	8.587
1.21	14.52	13.46	6041	8.699
1.22	14.64	13.63	6119	8.811
1.23	14.76	13.81	6197	8.924
1.24	14.88	13.98	6276	9.038
1.25	15.00	14.16	6355	9.151
1.26	15.12	14.34	6434	9.266
1.27	15.24	14.51	6514	9.381
1.28	15.36	14.69	6594	9.496
1.29	15.48	14.87	6675	9.612
1.30	15.60	15.05	6755	9.728
1.31	15.72	15.23	6837	9.845
1.32	15.84	15.41	6918	9.963
1.33	15.96	15.60	7000	10.08
1.34	16.08	15.78	7082	10.20
1.35	16.20	15.96	7165	10.32
1.36	16.32	16.15	7248	10.44
1.37	16.44	16.33	7331	10.56
1.38	16.56	16.52	7414	10.68
1.39	16.68	16.71	7498	10.80
1.40	16.80	16.90	7583	10.92
1.41	16.92	17.08	7667	11.04
1.42	17.04	17.27	7752	11.16
1.43	17.16	17.46	7837	11.29
1.44	17.28	17.65	7923	11.41
1.45	17.40	17.85	8009	11.53
1.46	17.52	18.04	8095	11.66
1.47	17.64	18.23	8182	11.78
1.48	17.76	18.42	8269	11.91
1.49	17.88	18.62	8356	12.03
1.50	18.00	18.81	8444	12.16

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
1.51	18.12	19.01	8531	12.29
1.52	18.24	19.21	8620	12.41
1.53	18.36	19.40	8708	12.54
1.54	18.48	19.60	8797	12.67
1.55	18.60	19.80	8886	12.80
1.56	18.72	20.00	8976	12.93
1.57	18.84	20.20	9066	13.06
1.58	18.96	20.40	9156	13.18
1.59	19.08	20.60	9246	13.32
1.60	19.20	20.80	9337	13.45
1.61	19.32	21.01	9428	13.58
1.62	19.44	21.21	9520	13.71
1.63	19.56	21.42	9611	13.84
1.64	19.68	21.62	9704	13.97
1.65	19.80	21.83	9796	14.11
1.66	19.92	22.03	9889	14.24
1.67	20.04	22.24	9982	14.37
1.68	20.16	22.45	10075	14.51
1.69	20.28	22.66	10169	14.64
1.70	20.40	22.87	10262	14.78
1.71	20.52	23.08	10357	14.91
1.72	20.64	23.29	10451	15.05
1.73	20.76	23.50	10546	15.19
1.74	20.88	23.71	10641	15.32
1.75	21.00	23.92	10737	15.46
1.76	21.12	24.14	10833	15.60
1.77	21.24	24.35	10929	15.74
1.78	21.36	24.57	11025	15.88
1.79	21.48	24.78	11122	16.02
1.80	21.60	25.00	11219	16.16
1.81	21.72	25.21	11316	16.30
1.82	21.84	25.43	11414	16.44
1.83	21.96	25.65	11512	16.58
1.84	22.08	25.87	11610	16.72
1.85	22.20	26.09	11708	16.86
1.86	22.32	26.31	11807	17.00
1.87	22.44	26.53	11906	17.15
1.88	22.56	26.75	12006	17.29
1.89	22.68	26.97	12105	17.43
1.90	22.80	27.20	12205	17.58
1.91	22.92	27.42	12305	17.72
1.92	23.04	27.64	12406	17.87
1.93	23.16	27.87	12507	18.01
1.94	23.28	28.09	12608	18.16
1.95	23.40	28.32	12709	18.30
1.96	23.52	28.55	12811	18.45
1.97	23.64	28.77	12913	18.60
1.98	23.76	29.00	13016	18.74
1.99	23.88	29.23	13118	18.89
2.00	24.00	29.46	13221	19.04

Source: United States Department of the Interior, Bureau of Reclamation, Water Measurement Manual, Third Edition, pp. A-17 - A22, interpolation between 24" and 36".

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**Discharge Table
For
30" Montana Flume**

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
2.01	24.12	29.69	13324	19.19
2.02	24.24	29.92	13428	19.34
2.03	24.36	30.15	13531	19.49
2.04	24.48	30.38	13636	19.64
2.05	24.60	30.61	13740	19.79
2.06	24.72	30.85	13844	19.94
2.07	24.84	31.08	13949	20.09
2.08	24.96	31.32	14055	20.24
2.09	25.08	31.55	14160	20.39
2.10	25.20	31.79	14266	20.54
2.11	25.32	32.02	14372	20.70
2.12	25.44	32.26	14478	20.85
2.13	25.56	32.50	14585	21.00
2.14	25.68	32.74	14692	21.16
2.15	25.80	32.97	14799	21.31
2.16	25.92	33.21	14906	21.47
2.17	26.04	33.45	15014	21.62
2.18	26.16	33.69	15122	21.78
2.19	26.28	33.94	15230	21.93
2.20	26.40	34.18	15339	22.09
2.21	26.52	34.42	15447	22.25
2.22	26.64	34.66	15556	22.40
2.23	26.76	34.91	15666	22.56
2.24	26.88	35.15	15775	22.72
2.25	27.00	35.40	15885	22.88
2.26	27.12	35.64	15996	23.03
2.27	27.24	35.89	16106	23.19
2.28	27.36	36.13	16217	23.35
2.29	27.48	36.38	16328	23.51
2.30	27.60	36.63	16439	23.67
2.31	27.72	36.88	16551	23.83
2.32	27.84	37.13	16662	23.99
2.33	27.96	37.38	16774	24.16
2.34	28.08	37.63	16887	24.32
2.35	28.20	37.88	16999	24.48
2.36	28.32	38.13	17112	24.64
2.37	28.44	38.38	17225	24.81
2.38	28.56	38.63	17339	24.97
2.39	28.68	38.89	17453	25.13
2.40	28.80	39.14	17567	25.30
2.41	28.92	39.40	17681	25.46
2.42	29.04	39.65	17795	25.63
2.43	29.16	39.91	17910	25.79
2.44	29.28	40.16	18025	25.96
2.45	29.40	40.42	18140	26.12
2.46	29.52	40.68	18256	26.29
2.47	29.64	40.93	18372	26.46
2.48	29.76	41.19	18488	26.62
2.49	29.88	41.45	18604	26.79
2.50	30.00	41.71	18721	26.96

Source: United States Department of the Interior, Bureau of Reclamation, Water Measurement Manual, Third Edition, pp. A-17 - A22, interpolation between 24" and 36".

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