



770.664.6513 (V) 770.664.6565 (F)

Discharge Table For 9" Montana Flume

Document: MON9-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	0.09	40.66	0.0586
0.11	1.32	0.10	47.05	0.0677
0.12	1.44	0.12	53.75	0.0774
0.13	1.56	0.14	60.75	0.0875
0.14	1.68	0.15	68.04	0.0980
0.15	1.80	0.17	75.62	0.1089
0.16	1.92	0.19	83.46	0.1202
0.17	2.04	0.20	91.58	0.1319
0.18	2.16	0.22	99.94	0.1439
0.19	2.28	0.24	108.6	0.1563
0.20	2.40	0.26	117.4	0.1691
0.21	2.52	0.28	126.5	0.1822
0.22	2.64	0.30	135.9	0.1956
0.23	2.76	0.32	145.4	0.2094
0.24	2.88	0.35	155.2	0.2235
0.25	3.00	0.37	165.2	0.2379
0.26	3.12	0.39	175.4	0.2526
0.27	3.24	0.41	185.9	0.2676
0.28	3.36	0.44	196.5	0.2830
0.29	3.48	0.46	207.3	0.2986
0.30	3.60	0.49	218.4	0.3145
0.31	3.72	0.51	229.6	0.3306
0.32	3.84	0.54	241.0	0.3471
0.33	3.96	0.56	252.6	0.3638
0.34	4.08	0.59	264.5	0.3808
0.35	4.20	0.62	276.4	0.3981
0.36	4.32	0.64	288.6	0.4156
0.37	4.44	0.67	301.0	0.4334
0.38	4.56	0.70	313.5	0.4515
0.39	4.68	0.73	326.2	0.4698
0.40	4.80	0.76	339.1	0.4883
0.41	4.92	0.78	352.2	0.5071
0.42	5.04	0.81	365.4	0.5262
0.43	5.16	0.84	378.8	0.5455
0.44	5.28	0.87	392.4	0.5650
0.45	5.40	0.90	406.1	0.5848
0.46	5.52	0.94	420.0	0.6048
0.47	5.64	0.97	434.0	0.6250
0.48	5.76	1.00	448.2	0.6455
0.49	5.88	1.03	462.6	0.6662
0.50	6.00	1.06	477.1	0.6871

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
0.51	6.12	1.10	491.8	0.7082
0.52	6.24	1.13	506.6	0.7296
0.53	6.36	1.16	521.6	0.7511
0.54	6.48	1.20	536.7	0.7729
0.55	6.60	1.23	552.0	0.7949
0.56	6.72	1.26	567.4	0.8171
0.57	6.84	1.30	583.0	0.8396
0.58	6.96	1.33	598.7	0.8622
0.59	7.08	1.37	614.6	0.8851
0.60	7.20	1.41	630.6	0.9081
0.61	7.32	1.44	646.8	0.9314
0.62	7.44	1.48	663.1	0.9548
0.63	7.56	1.51	679.5	0.9785
0.64	7.68	1.55	696.1	1.0024
0.65	7.80	1.59	712.8	1.0264
0.66	7.92	1.63	729.6	1.0507
0.67	8.04	1.66	746.6	1.0751
0.68	8.16	1.70	763.7	1.0998
0.69	8.28	1.74	781.0	1.1246
0.70	8.40	1.78	798.3	1.1497
0.71	8.52	1.82	815.9	1.1749
0.72	8.64	1.86	833.5	1.2003
0.73	8.76	1.90	851.3	1.2259
0.74	8.88	1.94	869.2	1.2517
0.75	9.00	1.98	887.2	1.2777
0.76	9.12	2.02	905.4	1.3038
0.77	9.24	2.06	923.7	1.3302
0.78	9.36	2.10	942.1	1.3567
0.79	9.48	2.14	960.6	1.3834
0.80	9.60	2.18	979.3	1.4103
0.81	9.72	2.22	998.1	1.4373
0.82	9.84	2.27	1017	1.4646
0.83	9.96	2.31	1036	1.4920
0.84	10.08	2.35	1055	1.5196
0.85	10.20	2.39	1074	1.5473
0.86	10.32	2.44	1094	1.5753
0.87	10.44	2.48	1113	1.6034
0.88	10.56	2.52	1133	1.6317
0.89	10.68	2.57	1153	1.6601
0.90	10.80	2.61	1173	1.6887
0.91	10.92	2.66	1193	1.7175
0.92	11.04	2.70	1213	1.7465
0.93	11.16	2.75	1233	1.7756
0.94	11.28	2.79	1253	1.8049
0.95	11.40	2.84	1274	1.8344
0.96	11.52	2.88	1294	1.8640
0.97	11.64	2.93	1315	1.8938
0.98	11.76	2.98	1336	1.9237
0.99	11.88	3.02	1357	1.9539
1.00	12.00	3.07	1378	1.9841



770.664.6513 (V) 770.664.6906 (F)

Discharge Table For 9" Montana Flume

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
1.01	12.12	3.12	1399	2.015
1.02	12.24	3.16	1420	2.045
1.03	12.36	3.21	1442	2.076
1.04	12.48	3.26	1463	2.107
1.05	12.60	3.31	1485	2.138
1.06	12.72	3.36	1506	2.169
1.07	12.84	3.40	1528	2.201
1.08	12.96	3.45	1550	2.232
1.09	13.08	3.50	1572	2.264
1.10	13.20	3.55	1594	2.296
1.11	13.32	3.60	1616	2.328
1.12	13.44	3.65	1639	2.360
1.13	13.56	3.70	1661	2.392
1.14	13.68	3.75	1684	2.425
1.15	13.80	3.80	1706	2.457
1.16	13.92	3.85	1729	2.490
1.17	14.04	3.90	1752	2.523
1.18	14.16	3.95	1775	2.556
1.19	14.28	4.01	1798	2.589
1.20	14.40	4.06	1821	2.623
1.21	14.52	4.11	1844	2.656
1.22	14.64	4.16	1868	2.690
1.23	14.76	4.21	1891	2.723
1.24	14.88	4.27	1915	2.757
1.25	15.00	4.32	1938	2.792
1.26	15.12	4.37	1962	2.826
1.27	15.24	4.43	1986	2.860
1.28	15.36	4.48	2010	2.895
1.29	15.48	4.53	2034	2.929
1.30	15.60	4.59	2058	2.964
1.31	15.72	4.64	2083	2.999
1.32	15.84	4.69	2107	3.034
1.33	15.96	4.75	2131	3.069
1.34	16.08	4.80	2156	3.105
1.35	16.20	4.86	2181	3.140
1.36	16.32	4.91	2205	3.176
1.37	16.44	4.97	2230	3.212
1.38	16.56	5.03	2255	3.248
1.39	16.68	5.08	2280	3.284
1.40	16.80	5.14	2306	3.320
1.41	16.92	5.19	2331	3.356
1.42	17.04	5.25	2356	3.393
1.43	17.16	5.31	2382	3.430
1.44	17.28	5.36	2407	3.466
1.45	17.40	5.42	2433	3.503
1.46	17.52	5.48	2458	3.540
1.47	17.64	5.54	2484	3.577
1.48	17.76	5.59	2510	3.615
1.49	17.88	5.65	2536	3.652
1.50	18.00	5.71	2562	3.690

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
1.51	18.12	5.77	2588	3.727
1.52	18.24	5.83	2615	3.765
1.53	18.36	5.88	2641	3.803
1.54	18.48	5.94	2667	3.841
1.55	18.60	6.00	2694	3.880
1.56	18.72	6.06	2721	3.918
1.57	18.84	6.12	2747	3.956
1.58	18.96	6.18	2774	3.995
1.59	19.08	6.24	2801	4.034
1.60	19.20	6.30	2828	4.073
1.61	19.32	6.36	2855	4.112
1.62	19.44	6.42	2882	4.151
1.63	19.56	6.48	2910	4.190
1.64	19.68	6.54	2937	4.229
1.65	19.80	6.61	2964	4.269
1.66	19.92	6.67	2992	4.309
1.67	20.04	6.73	3020	4.348
1.68	20.16	6.79	3047	4.388
1.69	20.28	6.85	3075	4.428
1.70	20.40	6.91	3103	4.468
1.71	20.52	6.98	3131	4.509
1.72	20.64	7.04	3159	4.549
1.73	20.76	7.10	3187	4.590
1.74	20.88	7.16	3215	4.630
1.75	21.00	7.23	3244	4.671
1.76	21.12	7.29	3272	4.712
1.77	21.24	7.35	3301	4.753
1.78	21.36	7.42	3329	4.794
1.79	21.48	7.48	3358	4.835
1.80	21.60	7.55	3387	4.877
1.81	21.72	7.61	3415	4.918
1.82	21.84	7.67	3444	4.960
1.83	21.96	7.74	3473	5.002
1.84	22.08	7.80	3502	5.044
1.85	22.20	7.87	3532	5.086
1.86	22.32	7.93	3561	5.128
1.87	22.44	8.00	3590	5.170
1.88	22.56	8.06	3620	5.212
1.89	22.68	8.13	3649	5.255
1.90	22.80	8.20	3679	5.297
1.91	22.92	8.26	3708	5.340
1.92	23.04	8.33	3738	5.383
1.93	23.16	8.40	3768	5.426
1.94	23.28	8.46	3798	5.469
1.95	23.40	8.53	3828	5.512
1.96	23.52	8.60	3858	5.556
1.97	23.64	8.66	3888	5.599
1.98	23.76	8.73	3918	5.642
1.99	23.88	8.80	3949	5.686
2.00	24.00	8.87	3979	5.730