



770.664.6513 (V) 770.664.6565 (F)

Discharge Table

For

72" W x 108" L Cutthroat Flume

Document: C-72-108-D-T Rev.: 0 Date: March 24, 2000 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	1.78	800.4	1.153
0.21	2.52	1.92	863.7	1.244
0.22	2.64	2.07	928.8	1.337
0.23	2.76	2.22	995.5	1.434
0.24	2.88	2.37	1063.8	1.532
0.25	3.00	2.53	1133.7	1.633
0.26	3.12	2.69	1205.3	1.736
0.27	3.24	2.85	1278.4	1.841
0.28	3.36	3.01	1353.0	1.948
0.29	3.48	3.18	1429	2.058
0.30	3.60	3.36	1507	2.170
0.31	3.72	3.53	1586	2.284
0.32	3.84	3.71	1666	2.400
0.33	3.96	3.90	1748	2.518
0.34	4.08	4.08	1832	2.638
0.35	4.20	4.27	1916	2.760
0.36	4.32	4.46	2002	2.884
0.37	4.44	4.66	2090	3.010
0.38	4.56	4.85	2179	3.137
0.39	4.68	5.06	2269	3.267
0.40	4.80	5.26	2360	3.399
0.41	4.92	5.47	2453	3.532
0.42	5.04	5.67	2547	3.668
0.43	5.16	5.89	2642	3.805
0.44	5.28	6.10	2738	3.944
0.45	5.40	6.32	2836	4.084
0.46	5.52	6.54	2935	4.227
0.47	5.64	6.76	3035	4.371
0.48	5.76	6.99	3137	4.517
0.49	5.88	7.22	3239	4.665
0.50	6.00	7.45	3343	4.814

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
0.51	6.12	7.68	3447	4.965
0.52	6.24	7.92	3553	5.117
0.53	6.36	8.16	3661	5.272
0.54	6.48	8.40	3769	5.428
0.55	6.60	8.64	3878	5.585
0.56	6.72	8.89	3989	5.744
0.57	6.84	9.14	4101	5.905
0.58	6.96	9.39	4213	6.068
0.59	7.08	9.64	4327	6.232
0.60	7.20	9.90	4442	6.397
0.61	7.32	10.16	4558	6.564
0.62	7.44	10.42	4675	6.733
0.63	7.56	10.68	4794	6.903
0.64	7.68	10.95	4913	7.075
0.65	7.80	11.21	5033	7.248
0.66	7.92	11.48	5154	7.423
0.67	8.04	11.76	5277	7.599
0.68	8.16	12.03	5400	7.776
0.69	8.28	12.31	5524	7.956
0.70	8.40	12.59	5650	8.136
0.71	8.52	12.87	5776	8.318
0.72	8.64	13.15	5904	8.502
0.73	8.76	13.44	6032	8.687
0.74	8.88	13.73	6162	8.873
0.75	9.00	14.02	6292	9.061
0.76	9.12	14.31	6423	9.250
0.77	9.24	14.61	6556	9.440
0.78	9.36	14.90	6689	9.632
0.79	9.48	15.20	6823	9.826
0.80	9.60	15.50	6958	10.020
0.81	9.72	15.81	7095	10.217
0.82	9.84	16.11	7232	10.414
0.83	9.96	16.42	7370	10.613
0.84	10.08	16.73	7509	10.813
0.85	10.20	17.04	7649	11.014
0.86	10.32	17.36	7789	11.217
0.87	10.44	17.67	7931	11.421
0.88	10.56	17.99	8074	11.627
0.89	10.68	18.31	8217	11.834
0.90	10.80	18.63	8362	12.042
0.91	10.92	18.96	8507	12.251
0.92	11.04	19.28	8654	12.462
0.93	11.16	19.61	8801	12.674
0.94	11.28	19.94	8949	12.887
0.95	11.40	20.27	9098	13.101
0.96	11.52	20.61	9248	13.317
0.97	11.64	20.94	9398	13.534
0.98	11.76	21.28	9550	13.752
0.99	11.88	21.62	9702	13.972
1.00	12.00	21.96	9856	14.193



770.664.6513 (V) 770.664.6906 (F)

Discharge Table For 72" W x 108" L Cutthroat Flume

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
1.01	12.12	22.30	10010	14.415
1.02	12.24	22.65	10165	14.638
1.03	12.36	23.00	10321	14.863
1.04	12.48	23.35	10477	15.088
1.05	12.60	23.70	10635	15.315
1.06	12.72	24.05	10794	15.543
1.07	12.84	24.40	10953	15.773
1.08	12.96	24.76	11113	16.003
1.09	13.08	25.12	11274	16.235
1.10	13.20	25.48	11436	16.468
1.11	13.32	25.84	11598	16.702
1.12	13.44	26.21	11762	16.937
1.13	13.56	26.57	11926	17.174
1.14	13.68	26.94	12091	17.412
1.15	13.80	27.31	12257	17.650
1.16	13.92	27.68	12423	17.890
1.17	14.04	28.05	12591	18.132
1.18	14.16	28.43	12759	18.374
1.19	14.28	28.81	12928	18.617
1.20	14.40	29.18	13098	18.862
1.21	14.52	29.56	13269	19.108
1.22	14.64	29.95	13440	19.355
1.23	14.76	30.33	13612	19.603
1.24	14.88	30.72	13786	19.852
1.25	15.00	31.10	13959	20.102
1.26	15.12	31.49	14134	20.354
1.27	15.24	31.88	14309	20.606
1.28	15.36	32.28	14485	20.860
1.29	15.48	32.67	14662	21.115
1.30	15.60	33.07	14840	21.371
1.31	15.72	33.46	15019	21.628
1.32	15.84	33.86	15198	21.886
1.33	15.96	34.26	15378	22.145
1.34	16.08	34.67	15559	22.405
1.35	16.20	35.07	15740	22.667
1.36	16.32	35.48	15922	22.929
1.37	16.44	35.89	16105	23.193
1.38	16.56	36.29	16289	23.457
1.39	16.68	36.71	16474	23.723
1.40	16.80	37.12	16659	23.990
1.41	16.92	37.53	16845	24.258
1.42	17.04	37.95	17032	24.527
1.43	17.16	38.37	17219	24.797
1.44	17.28	38.79	17407	25.068
1.45	17.40	39.21	17596	25.340
1.46	17.52	39.63	17786	25.613
1.47	17.64	40.05	17976	25.887
1.48	17.76	40.48	18167	26.162
1.49	17.88	40.91	18359	26.439
1.50	18.00	41.34	18552	26.716

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
1.51	18.12	41.77	18745	26.994
1.52	18.24	42.20	18939	27.274
1.53	18.36	42.63	19134	27.554
1.54	18.48	43.07	19329	27.835
1.55	18.60	43.51	19526	28.118
1.56	18.72	43.94	19722	28.401
1.57	18.84	44.38	19920	28.686
1.58	18.96	44.83	20118	28.972
1.59	19.08	45.27	20317	29.258
1.60	19.20	45.72	20517	29.546
1.61	19.32	46.16	20717	29.834
1.62	19.44	46.61	20918	30.124
1.63	19.56	47.06	21120	30.414
1.64	19.68	47.51	21323	30.706
1.65	19.80	47.96	21526	30.999
1.66	19.92	48.42	21730	31.292
1.67	20.04	48.87	21934	31.587
1.68	20.16	49.33	22139	31.882
1.69	20.28	49.79	22345	32.179
1.70	20.40	50.25	22552	32.476
1.71	20.52	50.71	22759	32.775
1.72	20.64	51.17	22967	33.074
1.73	20.76	51.64	23176	33.375
1.74	20.88	52.11	23385	33.676
1.75	21.00	52.57	23595	33.979
1.76	21.12	53.04	23806	34.282
1.77	21.24	53.51	24017	34.586
1.78	21.36	53.99	24229	34.892
1.79	21.48	54.46	24442	35.198
1.80	21.60	54.94	24655	35.505
1.81	21.72	55.41	24869	35.813
1.82	21.84	55.89	25084	36.123
1.83	21.96	56.37	25299	36.433
1.84	22.08	56.85	25515	36.744
1.85	22.20	57.34	25732	37.056
1.86	22.32	57.82	25949	37.369
1.87	22.44	58.30	26167	37.682
1.88	22.56	58.79	26386	37.997
1.89	22.68	59.28	26605	38.313
1.90	22.80	59.77	26825	38.630
1.91	22.92	60.26	27046	38.947
1.92	23.04	60.76	27267	39.266
1.93	23.16	61.25	27489	39.585
1.94	23.28	61.75	27711	39.906
1.95	23.40	62.24	27934	40.227
1.96	23.52	62.74	28158	40.550
1.97	23.64	63.24	28383	40.873
1.98	23.76	63.74	28608	41.197
1.99	23.88	64.25	28833	41.522
2.00	24.00	64.75	29060	41.848



770.664.6513 (V) 770.664.6565 (F)

**Discharge Table
For
72" W x 108" L Cutthroat Flume**

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
2.01	24.12	65.26	29287	42.175
2.02	24.24	65.76	29514	42.503
2.03	24.36	66.27	29743	42.831
2.04	24.48	66.78	29971	43.161
2.05	24.60	67.29	30201	43.491
2.06	24.72	67.81	30431	43.823
2.07	24.84	68.32	30662	44.155
2.08	24.96	68.84	30893	44.488
2.09	25.08	69.35	31125	44.822
2.10	25.20	69.87	31358	45.157
2.11	25.32	70.39	31591	45.493
2.12	25.44	70.91	31825	45.830
2.13	25.56	71.43	32060	46.168
2.14	25.68	71.96	32295	46.506
2.15	25.80	72.48	32530	46.846
2.16	25.92	73.01	32767	47.186
2.17	26.04	73.54	33004	47.527
2.18	26.16	74.07	33241	47.869
2.19	26.28	74.60	33479	48.212
2.20	26.40	75.13	33718	48.556
2.21	26.52	75.66	33958	48.901
2.22	26.64	76.20	34198	49.247
2.23	26.76	76.73	34438	49.593
2.24	26.88	77.27	34679	49.941
2.25	27.00	77.81	34921	50.289
2.26	27.12	78.35	35164	50.638
2.27	27.24	78.89	35407	50.988
2.28	27.36	79.43	35650	51.339
2.29	27.48	79.98	35895	51.690
2.30	27.60	80.52	36139	52.043
2.31	27.72	81.07	36385	52.396
2.32	27.84	81.62	36631	52.751
2.33	27.96	82.17	36877	53.106
2.34	28.08	82.72	37125	53.462
2.35	28.20	83.27	37372	53.819
2.36	28.32	83.83	37621	54.176
2.37	28.44	84.38	37870	54.535
2.38	28.56	84.94	38119	54.894
2.39	28.68	85.49	38369	55.254
2.40	28.80	86.05	38620	55.616
2.41	28.92	86.61	38872	55.977
2.42	29.04	87.17	39123	56.340
2.43	29.16	87.74	39376	56.704
2.44	29.28	88.30	39629	57.068
2.45	29.40	88.87	39883	57.434
2.46	29.52	89.43	40137	57.800
2.47	29.64	90.00	40392	58.167
2.48	29.76	90.57	40647	58.534
2.49	29.88	91.14	40903	58.903
2.50	30.00	91.71	41160	59.272

LEVEL		FLOW		
FEET	INCHES	CFS	GPM	MGD
2.51	30.12	92.28	41417	59.643
2.52	30.24	92.86	41674	60.014
2.53	30.36	93.43	41933	60.386
2.54	30.48	94.01	42192	60.759
2.55	30.60	94.59	42451	61.132
2.56	30.72	95.17	42711	61.506
2.57	30.84	95.75	42972	61.882
2.58	30.96	96.33	43233	62.258
2.59	31.08	96.91	43494	62.635