Double D inlet, in sump condition with short edges adjoined:

Open Area (for orifice calc in sq. ft.): 7.7977431

Length of Weir (feet): 13.645833

Head (ft)	Head (in)	Weir Q (cfs)	Orifice Q (cfs)	Control Q (cfs)	
0.05	0.6	0.41	8.40	0.41	
0.1	1.2	1.16	11.87	1.16	
0.15	1.8	2.12	14.54	2.12	
0.2	2.4	3.27	16.79	3.27	
0.25	3	4.57	18.77	4.57	
0.3	3.6	6.01	20.56	6.01	
0.35	4.2	7.57	22.21	7.57	
0.4	4.8	9.25	23.75	9.25	
0.45	5.4	11.04	25.19	11.04	
0.5	6	12.93	26.55	12.93	
0.55	6.6	14.92	27.84	14.92	
0.6	7.2	17.00	29.08	17.00	
0.65	7.8	19.16	30.27	19.16	
0.7	8.4	21.42	31.41	21.42	
0.75	9	23.75	32.52	23.75	
0.8	9.6	26.17	33.58	26.17	
0.85	10.2	28.66	34.62	28.66	
0.9	10.8	31.22	35.62	31.22	
0.95	11.4	33.86	36.60	33.86	
1	12	36.57	37.55	36.57	
1.05	12.6	39.35	38.47	38.47	
1.1	13.2	42.19	39.38	39.38	
1.15	13.8	45.10	40.26	40.26	
1.2	14.4	48.07	41.13	41.13	
1.25	15	51.11	41.98	41.98	Q100=42.00
1.3	15.6	54.21	42.81	42.81	
1.35	16.2	57.36	43.62	43.62	
1.4	16.8	60.58	44.42	44.42	
1.45	17.4	63.85	45.21	45.21	
1.5	18	67.18	45.98	45.98	
1.55	18.6	70.57	46.74	46.74	
1.6	19.2	74.01	47.49	47.49	
1.65	19.8	77.51	48.23	48.23	Q100=42cfs*15%bulking = 48.3cfs
1.7	20.4	81.06	48.95	48.95	Inlet elevation 86.05 =1.65 = 87.70

2nd Inlet elevation = 87.64

Row elevation = 89.09