

Anexo 5 Caudales de la sección de estudio en el año 1998 y en el año 1999-2000

Macuto 1998

h (m)	Área (m ²)	Perímetro (m)	Tirante (m)	n = 0.04			n = 0.045		
				Q (m ³ /s)	V (m/s)	F	Q	V	F
0.50	0.50	2.25	2.01	1.42	2.82	1.80	1.26	2.50	1.60
1.50	4.47	6.67	5.93	26.23	5.86	2.15	23.32	5.21	1.92
2.50	12.38	11.11	9.89	101.88	8.23	2.35	90.56	7.31	2.09
3.50	23.74	14.66	15.36	250.47	10.55	2.71	222.64	9.38	2.41
4.50	63.40	45.27	41.92	607.22	9.58	2.49	539.75	8.51	2.21
5.50	107.54	52.23	49.01	1,331.80	12.38	2.67	1,183.82	11.01	2.37
6.50	155.86	58.64	72.53	2,288.24	14.68	3.20	2,033.99	13.05	2.84
7.50	230.64	85.90	77.01	3,409.02	14.78	2.73	3,030.24	13.14	2.42

Macuto 1999-2000

h (m)	Área (m ²)	Perímetro (m)	Tirante (m)	n = 0.04			n = 0.045		
				Q (m ³ /s)	V (m/s)	F	Q	V	F
0.00									
1.00	8.77	17.67	17.55	30.67	3.50	1.58	27.26	3.11	1.40
2.00	31.87	29.01	28.64	189.10	5.93	1.80	168.09	5.27	1.60
3.00	66.36	41.12	40.35	508.94	7.67	1.91	452.39	6.82	1.70
4.00	110.04	48.58	47.01	1,057.91	9.61	2.01	940.37	8.55	1.78
5.00	165.58	66.88	63.57	1,688.99	10.20	2.02	1,501.32	9.07	1.79
6.00	231.96	74.89	69.20	2,747.11	11.84	2.07	2,441.87	10.53	1.84
7.00	325.33	101.46	95.26	3,943.05	12.12	2.09	3,504.93	10.77	1.86
8.00	462.44	105.37	98.61	6,909.18	14.94	2.20	6,141.49	13.28	1.96

Macuto 1998

h (m)	n = 0.05			n = 0.06			n = 0.07		
	Q	V	F	Q	V	F	Q	V	F
0.50	24.53	2.25	1.44	0.94	1.88	1.20	0.81	1.61	1.03
1.50	151.28	4.69	1.72	17.49	3.91	1.44	14.99	3.35	1.23
2.50	407.15	6.58	1.88	67.92	5.48	1.56	58.22	4.70	1.34
3.50	846.33	8.44	2.17	166.98	7.03	1.81	143.13	6.03	1.55
4.50	1,351.19	7.66	1.99	404.81	6.39	1.66	346.98	5.47	1.42
5.50	2,197.69	9.91	2.14	887.87	8.26	1.78	761.03	7.08	1.53
6.50	3,154.44	11.74	2.56	1,525.49	9.79	2.13	1,307.56	8.39	1.83
7.50	5,527.34	11.82	2.18	2,272.68	9.85	1.82	1,948.01	8.45	1.56

Macuto 1999-2000

h (m)	n = 0.05			n = 0.06			n = 0.07		
	Q	V	F	Q	V	F	Q	V	F
0.00									
1.00	1.13	2.80	1.26	20.45	2.33	1.05	17.52	2.00	0.90
2.00	20.99	4.75	1.44	126.07	3.96	1.20	108.06	3.39	1.03
3.00	81.50	6.14	1.53	339.29	5.11	1.27	290.82	4.38	1.09
4.00	200.38	7.69	1.60	705.28	6.41	1.34	604.52	5.49	1.15
5.00	485.777	8.16	1.61	1,125.99	6.80	1.35	965.14	5.83	1.15
6.00	1,065.44	9.47	1.65	1,831.40	7.90	1.38	1,569.78	6.77	1.18
7.00	1,830.59	9.70	1.68	2,628.70	8.08	1.40	2,253.17	6.93	1.20
8.00	2,727.21	11.95	1.76	4,606.12	9.96	1.47	3,948.10	8.54	1.26

Macuto 1		n = 0.08			n = 0.09			h crítica	
h (m)	Q	V	F	Q	V	F	Q crítico	V crítico	
0.50		0.71	1.41	0.90	0.63	1.25	0.80	0.79	1.57
1.50		13.12	2.93	1.08	11.66	2.61	0.96	12.17	2.72
2.50		50.94	4.11	1.17	45.28	3.66	1.04	43.41	3.51
3.50		125.24	5.28	1.35	111.32	4.69	1.20	92.45	3.89
4.50		303.61	4.79	1.24	269.88	4.26	1.11	244.19	3.85
5.50		665.90	6.19	1.33	591.91	5.50	1.19	498.99	4.64
6.50		1,144.12	7.34	1.60	1,016.99	6.52	1.42	715.61	4.59
7.50		1,704.51	7.39	1.36	1,515.12	6.57	1.21	1,250.10	5.42

Macuto 1999-2000

Macuto 1999-2000		n = 0.08			n = 0.09			h crítica	
h (m)	Q	V	F	Q	V	F	Q crítico	V crítico	
0.00									
1.00		15.33	1.75	0.79	13.63	1.55	0.70	19.43	2.21
2.00		94.55	2.97	0.90	84.05	2.64	0.80	105.28	3.30
3.00		254.47	3.83	0.95	226.20	3.41	0.85	266.55	4.02
4.00		528.96	4.81	1.00	470.18	4.27	0.89	527.34	4.79
5.00		844.50	5.10	1.01	750.66	4.53	0.90	837.00	5.05
6.00		1,373.55	5.92	1.03	1,220.94	5.26	0.92	1,330.19	5.73
7.00		1,971.53	6.06	1.05	1,752.47	5.39	0.93	1,883.06	5.79
8.00		3,454.59	7.47	1.10	3,070.75	6.64	0.98	3,136.56	6.78