

HEC-RAS Version 3.1.3 May 2005
U.S. Army Corp of Engineers
Hydrologic Engineering Center
609 Second Street
Davis, California

tarifa

EXCMO. AYUNTAMIENTO DE TARIFA

aprobado

Resolución de Pleno Ayuntamiento de Tarifa en sesión celebrada el día 27 SET. 2016 (Artículo 128.5 del Reglamento de Planeamiento Urbanístico).

EL SECRETARIO DEL AYUNTAMIENTO



DILIGENCIA: Para hacer constar que el presente documento se somete a información pública para cumplimentar lo requerido por la Delegación Territorial de la Consejería de Agricultura, Pesca y Medio Ambiente en su oficio de fecha 21 FEB. 2017. TARIFA a 3 ABR. 2017. EL SECRETARIO



PROJECT DATA
Project Title: tarifa
Project File: tarifa.prj
Run Date and Time: 25/02/2016 14:18:50
Project in SI units

PLAN DATA
Plan Title: Plan 04
Plan File: C:\TARIFA2\tarifa.p04
Geometry Title: tarifico
Geometry File: C:\TARIFA2\tarifa.g02
Flow Title: tarifico
Flow File: C:\TARIFA2\tarifa.f04

Plan Summary Information:
Number of Cross Sections = 33 Multiple Openings = 0
Culverts = 1 Inline Structures = 0
Bridges = 0 Lateral Structures = 0

Computational Information
Water surface calculation tolerance = 0.003
Critical depth calculation tolerance = 0.003
Maximum number of iterations = 20
Maximum difference tolerance = 0.1
Flow tolerance factor = 0.001

Computation Options
Critical depth computed only where necessary
Conveyance Calculation Method: At breaks in n values only
Friction Slope Method: Average Conveyance
Computational Flow Regime: Mixed Flow

FLOW DATA
Flow Title: tarifico
Flow File: C:\TARIFA2\tarifa.f04

Flow Data (n3/s)
River Innominado Reach superior RS 732.439 CAUDAL MCO 3.034

Boundary conditions
River Innominado Reach superior Profile CAUDAL MCO Upstream Critical

GEOMETRY DATA
Geometry Title: tarifico
Geometry File: C:\TARIFA2\tarifa.g02

CROSS SECTION
RIVER: Innominado
REACH: superior RS: 732.439

INPUT Description: Station Elevation Data num= 109

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	38.76	36	38.69	2.26	38.37	4.38	38	5.76	37.8
6.48	37.74	7.34	37.64	8.01	37.57	8.02	37.57	8.58	37.51
9.09	37.48	10.52	37.37	10.97	37.33	12.02	37.24	12.68	37.19
13.46	37.12	13.8	37.09	14.52	37.03	14.78	37.01	14.88	37
15.15	36.98	15.48	36.96	15.79	36.94	16.1	36.91	16.25	36.9
16.53	36.89	16.74	36.87	16.88	36.85	17.32	36.84	17.48	36.83
17.55	36.82	18.09	36.78	19.57	36.67	20.61	36.62	20.78	36.6
20.82	36.6	20.98	36.59	21.58	36.55	21.7	36.54	21.86	36.53
21.99	36.52	22.15	36.51	22.28	36.5	22.43	36.49	22.57	36.48
22.71	36.47	22.72	36.47	22.87	36.46	23.11	36.44	23.26	36.44
23.49	36.42	23.64	36.41	23.85	36.4	23.9	36.39	24.09	36.38
24.24	36.37	24.43	36.36	25.12	36.32	25.3	36.31	25.49	36.29
25.82	36.28	25.95	36.27	26.17	36.26	26.41	36.24	26.64	36.23
26.89	36.21	26.98	36.2	28.63	36.08	28.79	36.08	29.66	36
29.72	35.99	31.73	35.81	32.56	35.72	33.55	35.63	33.89	35.6
34.2	35.57	34.48	35.55	34.69	35.53	34.83	35.52	34.95	35.51
35.08	35.5	35.19	35.49	35.31	35.48	35.33	35.47	35.44	35.47
36.5	35.35	37.8	35.12	38.72	35.12	38.95	35.12	39.7	35.12
40.86	35.34	41.43	35.41	42.2	35.49	46.16	35.34	46.41	35.37
46.65	36	51.56	36.63	53.74	37	53.8	37.02	57.25	38
59.76	38.49	62.11	39	65.8	39.71	67.34	40	69.19	40.59
70.58	41	71.67	41.24	74.96	42	76.5	42.39		

Manning's n Values num= 3
Sta n Val Sta n Val Sta n Val
0 .045 36.5 .035 40.86 .045

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
36.5 40.86 33.55 35.02 35.8 .1 .3

CROSS SECTION
RIVER: Innominado
REACH: superior RS: 697.415

INPUT Description: Station Elevation Data num= 66

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	36.72	14	36.7	3.43	36	6.1	35.75	6.18	35.75
14.56	35	15.18	34.94	15.48	34.92	15.55	34.91	15.85	34.88
16.76	34.81	16.98	34.79	17.78	34.72	18.11	34.7	18.82	34.64
19.25	34.61	20.36	34.52	20.59	34.5	20.85	34.48	21.49	34.43
25.25	34.12	25.69	34.08	25.71	34.08	25.74	34.08	25.75	34.08

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
25.79	34.07	25.83	34.07	25.86	34.07	25.9	34.06	25.93	34.06
26.09	34.05	26.6	34	27.74	33.79	27.9	33.76	28.04	33.73
28.17	33.71	28.3	33.69	28.48	33.66	28.72	33.62	28.93	33.58
29.11	33.55	30.09	33.4	30.72	33.37	30.98	33.37	32.75	33.11
33.12	33.12	34.78	33.25	36.24	33.36	36.59	33.45	38.66	33.55
43.69	34	43.71	34	47.99	34.52	50.13	34.77	51.99	35
55.54	35.47	58.26	35.85	58.96	35.94	59.31	36	61.7	36.34
66.03	37	66.84	37.12	69.17	37.49	72.31	38	74.99	38.49
76.33	38.73								

Manning's n Values num= 3
Sta n Val Sta n Val Sta n Val
0 .045 30.77 .035 34.78 .045

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
30.77 34.78 43.5 41.33 39.58 .1 .3

CROSS SECTION
RIVER: Innominado
REACH: superior RS: 656.082

INPUT Description: Station Elevation Data num= 127

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	34.42	21	34.39	33	34.37	43	34.36	75	34.31
.84	34.3	1.19	34.25	1.26	34.24	1.33	34.23	1.71	34.18
1.76	34.17	2.04	34.13	2.08	34.13	2.1	34.12	2.12	34.12
2.14	34.12	2.95	34	4.15	33.83	4.31	33.8	4.47	33.78
4.62	33.75	4.84	33.74	5	33.7	5.02	33.7	5.1	33.69
5.18	33.67	5.25	33.66	5.33	33.65	5.4	33.64	5.62	33.61
6.15	33.54	7.17	33.41	7.33	33.39	7.97	33.29	8.27	33.25
8.52	33.22	8.81	33.17	9.14	33.12	9.51	33.06	9.52	33.06
9.91	33	9.93	33	9.98	32.99	10.14	32.97	10.29	32.95
10.43	32.93	10.57	32.92	10.71	32.9	10.84	32.88	10.96	32.87
10.98	32.87	11.1	32.85	11.23	32.84	11.34	32.82	11.39	32.82
11.48	32.81	11.58	32.8	11.66	32.79	11.95	32.78	12.04	32.76
12.13	32.76	12.27	32.74	12.47	32.73	13	32.67	13.05	32.67
13.19	32.66	13.35	32.64	13.66	32.62	13.92	32.59	14.73	32.51
15.1	32.47	15.68	32.42	15.88	32.41	17.15	32.29	17.3	32.28
17.44	32.27	17.57	32.26	19.24	32.11	19.46	32.09	19.99	32.04
20.42	32	20.57	31.99	21.15	31.94	21.63	31.9	25.86	31.5
27.62	31.33	28.79	31.22	28.87	31.21	28.98	31.2	29.08	31.19
29.12	31.19	29.24	31.18	29.35	31.17	29.37	31.17	29.43	31.16
29.49	31.16	29.54	31.15	29.59	31.15	29.64	31.15	29.76	31.14
29.9	31.12	30.07	31.12	30.11	31.11	31.05	31	31.09	30.95
33.42	30.82	33.72	30.82	34.7	30.66	35.83	30.9	36.44	30.93
37.87	31	40.63	31.28	44.8	31.76	46.5	31.95	46.91	32
47.15	32.04	53.62	33	59.64	33.88	60.49	34	61.72	34.12
67.75	35	70.39	35.47	73.28	36	78.06	36.9	78.51	37
78.99	37.14	80.93	37.7						

Manning's n Values num= 3
Sta n Val Sta n Val Sta n Val
0 .045 31.69 .035 35.83 .045

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
31.69 35.83 38.68 39.41 39.77 .1 .3

CROSS SECTION
RIVER: Innominado
REACH: superior RS: 616.672

INPUT Description: Station Elevation Data num= 126

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	31.97	25	31.85	27	31.85	51	31.83	74	31.81
.76	31.81	.98	31.79	1.19	31.77	1.23	31.77	1.25	31.77
1.29	31.77	1.51	31.75	1.55	31.74	1.59	31.74	1.81	31.72
1.85	31.72	2.04	31.7	2.1	31.7	2.16	31.69	2.36	31.67
2.37	31.67	2.46	31.67	2.65	31.65	2.74	31.64	2.81	31.64
2.89	31.63	2.98	31.62	3.05	31.61	3.15	31.61	3.22	31.6
3.3	31.59	3.4	31.59	3.47	31.58	3.54	31.57	3.64	31.57
3.71	31.56	3.74	31.55	3.85	31.55	3.92	31.55	3.99	31.54
4.18	31.52	4.26	31.51	4.34	31.51	4.42	31.5	4.5	31.5
4.57	31.49	4.64	31.49	4.7	31.48	4.77	31.47	4.85	31.47
4.96	31.46	5.09	31.45	5.23	31.43	5.62	31.39	5.76	31.37
6.28	31.32	7.03	31.24	7.16	31.22	7.18	31.22	8.56	31.04
8.61	31.04	8.9	31	10.35	30.79	10.43	30.78	11.6	30.62
11.7	30.6	11.82	30.58	12.13	30.54	12.9	30.43	13.49	30.35
13.87	30.3	14.29	30.24	14.92	30.16	15.69	30.06	15.73	30.05
16.16	30	16.44	29.99	16.99	29.96	17.51	29.93	17.6	29.93
18.13	29.9	18.37	29.89	18.93	29.87	19.02	29.86	19.09	29.86
19.19	29.85	21.88	29.74	22.04	29.73	22.08	29.73	22.23	29.73
22.39	29.72	22.55	29.71	24.38	29.62	27.7	29.42	31.27	29.26
35.24	29	36.67	28.95	40.57	28.94	41.3	28.93	42.22	28.92
42.81	28.92	43.22	28.93	43.33	28.93	43.83	28.94	44.51	28.95
45.36	28.96	45.96	28.98	47.03	29	48.38	29.15	49.96	29.39
51.79	29.64	52.71	29.78	53.94	30	56.2	30.42	59.43	31
63.15	31.7	64.69	32	65.16	32.15	69.44	33	71.52	33.5
73.59	34	76.1	34.56	77.64	35	79.61	35.49	81.67	36
82.22	36.15								

Manning's n Values num= 3
Sta n Val Sta n Val Sta n Val
0 .045 40.57 .035 43.83 .045

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
40.57 43.83 39.17 40.42 41.41 .1 .3

CROSS SECTION
RIVER: Innominado
REACH: superior RS: 576.256

INPUT Description: Station Elevation Data num= 45

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	31.81	1.49	31.54	4.47	31	9.49	30.09	9.97	30
12.08	29.62	15.06	29.08	15.47	29	28.88	28.05	29.58	28
29.61	28	30.39	27.94	30.85	27.9	31.26	27.87	31.64	27.84
31.73	27.83	31.97	27.82	32.2	27.8	32.42	27.78	32.6	27.77
32.75	27.76	32.9	27.75	33.04	27.74	33.18	27.73	33.31	27.72
33.44	27.71	33.85	27.69	34.22	27.66	34.55	27.64	37.19	27.53
39.05	27.46	40.97	27						

Station Elevation Data									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	31.61	1.54	31.35	2.73	31.13	2.98	31.09	3.5	31.0
6.76	30.45	6.93	30.42	7.11	30.38	7.33	30.34	8.36	30.10
8.66	30.11	9.29	30	10.76	29.75	11.95	29.55	12.05	29.59
12.3	29.49	12.6	29.43	13.27	29.32	13.31	29.31	13.4	29.29
13.5	29.28	13.61	29.26	13.72	29.24	14.21	29.15	14.52	29.09
15.08	29	15.1	29	15.93	28.89	16.12	28.87	16.85	28.8
17.04	28.75	17.24	28.72	18.09	28.62	18.32	28.58	18.42	28.57
18.95	28.5	19.01	28.49	19.59	28.42	20	28.37	20.32	28.33
20.55	28.3	20.8	28.27	21	28.24	21.28	28.21	22.78	28.09
22.82	28.03	22.86	28.02	23.09	28	23.12	28	23.78	27.94
24.77	27.65	24.93	27.64	24.99	27.64	25.74	27.77	26.75	27.67
27.54	27.6	28.24	27.53	29	27.46	29.9	27.38	34.08	27.3
34.16	26.99	35.27	26.91	36.39	26.81	38.39	26.63	40.39	26.5
44.79	26.86	45.47	26.89	46.24	26.92	46.65	26.93	48.65	27
50.59	27.03	51.61	27.14	53.16	27.25	54.26	27.34	56.85	27.5
62	28	64.26	28.4	68.04	29	72.31	29.73	74.05	30
75.85	30.38	78.68	31	80.05	31.22	84.19	32	85.24	32.22

Manning's n Values					
Sta	n Val	Sta	n Val	Sta	n Val
0	.045	36.39	.035	40.39	.045

Bank Sta: Left Right Lengths: Left channel Right				
36.39	40.39	19.68	18.75	17.72

RIVER: Innomnado
REACH: superior
RS: 535.806

INPUT Description: Station Elevation Data									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	30.09	.63	30	3.75	29.59	4.13	29.55	5.27	29.41
5.38	29.39	5.6	29.36	5.84	29.33	6.11	29.29	6.41	29.25
6.74	29.2	6.87	29.18	7.16	29.14	7.47	29.1	7.81	29.05
8.17	29	8.2	28.99	8.56	28.93	8.88	28.88	9.01	28.85
9.29	28.81	9.53	28.77	9.75	28.73	9.95	28.7	10.13	28.67
10.3	28.64	10.42	28.62	10.61	28.59	10.79	28.56	10.95	28.53
13.87	28	15.79	27.8	16.13	27.77	17.17	27.67	17.67	27.63
17.69	27.62	18.54	27.55	18.95	27.51	19.62	27.46	20.09	27.42
20.62	27.37	21.45	27.3	21.54	27.3	22.14	27.25	22.43	27.22
22.52	27.22	22.58	27.21	22.8	27.19	22.89	27.19	24.72	27.05
24.8	27.05	24.81	27.05	25.37	27	25.79	26.93	25.84	26.99
28.79	26.81	29.95	26.71	30.73	26.65	31.33	26.63	31.85	26.57
32.31	26.53	32.92	26.48	33.19	26.46	33.2	26.45	33.77	26.41
34.1	26.38	34.76	26.33	34.81	26.32	35.58	26.26	37.49	26.07
38.14	26	38.31	26	38.41	26	38.41	26	38.41	26
38.46	26	38.51	26	38.51	26	38.98	25.94	39.42	25.87
40.31	25.99	40.39	26	40.44	26	40.49	26	40.6	26
41.39	26.04	43.19	26.14	47.9	26.35	47.92	26.35	47.93	26.35
47.94	26.35	47.95	26.35	47.95	26.35	50.94	26.51	51.7	26.64
44.46	26.67	44.63	26.67	44.79	26.68	44.95	26.69	45.1	26.69
59.62	26.95	59.65	26.95	59.67	26.95	59.71	26.95	59.74	26.95
59.88	26.96	59.94	26.96	60.63	27	61.43	27.13	64.99	28
65.43	28.07	70.66	29	73.23	29.48	75.72	30	79.67	30.87
80.23	31	81.09	31.17	82.56	31.47	83.05	31.57		

Manning's n Values					
Sta	n Val	Sta	n Val	Sta	n Val
0	.045	37.49	.035	41.39	.045

Bank Sta: Left Right Lengths: Left channel Right				
37.49	41.39	22.16	21.49	20.54

RIVER: Innomnado
REACH: superior
RS: 514.322

INPUT Description: Station Elevation Data									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	27	86	27	7	5.09	27	5.45	27	5.45
5.49	27	5.69	27	6.85	27	7.05	27	8.45	27
8.73	27	8.86	27	9.16	27	10.51	27	11.16	27
11.32	27	11.36	27	11.39	27	11.55	27	11.58	27
11.62	27	11.66	27	11.8	27	11.83	27	11.83	27
11.99	27	12.12	27	12.25	27	12.37	27	13.24	27
16.84	27	16.97	27	17.12	27	17.28	27	17.46	27
18.89	27	18.9	27	18.91	27	18.94	27	18.95	27
18.99	27	19	27	19.04	27	19.05	27	20.4	27.7
20.42	27.7	20.46	27.7	20.5	27.7	20.54	27.7	20.57	27.7
20.6	27.7	20.63	27.7	20.66	27.7	20.7	27.71	20.72	27.71
20.76	27.71	21.15	28.93	21.19	27.73	21.24	27.74	21.28	27.74
21.33	27.77	21.75	21.81	21.75	21.82	21.76	21.76	21.76	21.76
21.89	27.76	21.92	27.76	22.37	27.72	22.4	27.78	22.43	27.78
22.46	27.78	22.49	27.78	22.51	27.78	22.83	27.75	22.86	27.75
22.89	27.74	22.94	27.73	22.99	27.72	23.04	27.71	23.09	27.7
23.14	27.69	23.2	27.67	23.22	27.67	23.28	27.66	23.3	27.65
23.31	27.65	23.33	27.65	23.4	27.63	23.41	27.63	23.43	27.62
23.44	27.62	23.49	27.61	23.51	27.61	23.52	27.6	23.54	27.6
23.55	27.59	23.82	27.54	23.84	27.54	23.87	27.53	23.89	27.53
23.92	27.53	23.94	27.52	23.97	27.52	24.13	27.5	24.63	27.38
24.75	27.36	24.87	27.35	24.9	27.34	25.07	27.31	25.33	27.28
25.49	27.24	25.66	27.2	25.67	27.2	25.69	27.2	25.75	27.18
25.78	27.18	25.84	27.17	25.91	27.16	25.94	27.15	26	27.14
26.06	27.13	26.09	27.12	26.14	27.11	26.22	27.1	26.3	27.08
26.32	27.08	26.4	27.06	26.42	27.06	26.54	27.04	26.67	27.02
26.77	27	26.8	27	26.85	26.99	27.35	26.94	27.39	26.94
27.49	26.93	27.6	26.93	27.8	26.88	27.92	26.87	28.03	26.85
28.14	26.84	28.25	26.83	28.36	26.81	28.41	26.81	28.47	26.8
28.54	26.79	28.61	26.78	28.67	26.77	28.69	26.76	28.75	26.75
28.81	26.74	28.83	26.74	28.84	26.74	28.91	26.72	28.92	26.72
28.98	26.72	29.06	26.69	29.45	26.6	29.46	26.6	29.53	26.57
30.7	26	34.68	25.39	34.74	25.39	37.78	25	39.29	24.94
39.62	24.92	41.4	24.85	41.93	24.89	43.09	25	43.32	25.02
46.59	25.34	47.06	25.39	53.93	25.59	54.06	26	55.31	26.13
63.58	27	63.76	27.06	65.89	28	69.59	28.51	70.26	29
72.81	29.75	73.71	30	74.68	30.26	77.29	31	79.95	31.62
80.26	31.69								

Manning's n Values					
Sta	n Val	Sta	n Val	Sta	n Val
0	.045	39.29	.035	43.32	.045

Bank Sta: Left Right Lengths: Left channel Right				
39.29	43.32	16.62	17.27	17.85

RIVER: Innomnado
REACH: superior
RS: 497.047

INPUT Description: Station Elevation Data									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	26.58	.04	26.58	.09	26.58	.13	26.58	.24	26.57
.42	26.59	.53	26.58	.55	26.58	.56	26.58	.59	26.58
.61	26.58	.63	26.58	.65	26.59	.67	26.59	.79	26.6
1	26.58	1.64	26.54	1.89	26.56	2.01	26.57	2.72	26.48
8.17	26	8.36	26	8.4	26	12.22	26	13.06	26

DILIGENCIA: Para hacer constar que el presente documento se somete a información pública para cumplimentar lo requerido por la Delegación Territorial de la Conselleria de Agricultura, Pesca y Medio Ambiente en su oficina de fecha **21 FEB 2017** TARIFA a **23 ABR 2017**

SECRETARIO DEL AYUNTAMIENTO



Station Elevation Data									
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
13.08	26	13.1	26	13.58	26	13.83	26	13.84	26
14.5	26	14.97	26	15.52	26	16.73	25.46	20.05	25.41
20.09	25.41	20.47	25.36	20.53	25.35	20.57	25.34	20.63	25.33
22.54	25.1	23.19	25	23.55	25	23.61	25	23.86	25
24.26	25	24.29	25	24.35	25	24.73	25	24.8	25
24.82	25	24.83	25	25.83	25	25.85	25	25.87	25
25.88	25	25.9	25	25.92	25	25.94	25	25.95	25
32.73	24.46	32.76	24.46	32.78	24.46	32.81	24.46	32.84	24.46
34.04	24.37	34.09	24.37	34.15	24.37	36.46	24.26	36.74	24.25
36.78	24.25	36.81	24.24	36.82	24.24	38.43	24.15	40.67	24.34
41.81	24.44	42.05	24.46	44.75	24.66	44.99	24.68	45.84	24.75
46.05	24.77	46.28	24.79	46.4	24.8	46.66	24.83	46.93	24.86
47.23	24.89	47.54	24.92	47.66	24.93	48.24	25	50.99	25.29
57.93	26	59.69	26.39	62.72	27	66.55	27.83	67.37	28
68.03	28.24	70.32	29	73.58	29.79	74.56	30	75.7	30.26
76.86	30.53								

Manning's n Values					
Sta	n Val	Sta	n Val	Sta	n Val
0	.045	36.46	.035	40.67	.045

Bank Sta: Left Right Lengths: Left channel Right				
36.46	40.67	20.87	21.11	21.29

RIVER: Innomnado
REACH: superior
RS: 475.941

INPUT Description: Station Elevation Data									
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sta n Val sta n Val sta n Val
0 .045 39.55 0.035 43.43 0.045
Bank Sta: Left Right Lengths: Left channel Right
39.55 43.43 16.92 17.43 17.97

CROSS SECTION

RIVER: Innominado
REACH: superior RS: 417.714

INPUT Description: Station Elevation Data num= 58

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	26.97	67	26.84	5.02	26	5.69	25.87	6.92	25.63
7.62	25.5	7.72	25.48	8.2	25.38	8.52	25.32	10.06	25
10.72	24.87	11.87	24.65	11.95	24.65	12.11	24.61	15.25	24
18.08	23.63	18.39	23.6	20.2	23.42	20.44	23.39	20.58	23.38
20.72	23.36	20.87	23.35	21.02	23.33	21.19	23.32	21.33	23.3
21.62	23.27	21.71	23.26	22.57	23.16	22.91	23.12	23.11	22.91
24.27	23	28.81	22.56	28.89	22.56	32.7	22.19	33.7	22.09
34.69	22	37.89	21.72	39.65	21.56	39.8	21.55	39.88	21.54
40.01	21.54	40.81	21.58	41.72	21.63	48.4	22	53.34	22.7
55.42	23	56.1	23.1	56.42	23.14	58.71	23.47	62.44	24
67.18	24.8	68.41	25	68.61	25.05	68.72	25.09	72.01	26
72.14	26.03	72.99	26.19	74.26	26.43				

Manning's n Values num= 3
Sta n Val sta n Val sta n Val
0 .045 37.89 0.035 41.72 0.045
Bank Sta: Left Right Lengths: Left channel Right
37.89 41.72 22.31 22.68 22.96

CROSS SECTION

RIVER: Innominado
REACH: superior RS: 395.035

INPUT Description: Station Elevation Data num= 60

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	25.92	2.53	25.41	2.57	25.4	2.84	25.34	4.41	25
6.8	24.47	9.12	24	12.28	23.44	13.27	23.3	13.64	23.23
15.2	23	16.49	22.87	16.52	22.86	16.55	22.86	16.58	22.86
16.62	22.85	16.64	22.85	17.1	22.8	18.74	22.61	19.41	22.53
19.83	22.49	20.36	22.43	21.42	22.33	22.27	22.23	22.93	22.16
23.23	22.07	23.82	22.06	24.34	22	24.45	21.99	24.78	21.95
25.08	21.92	25.37	21.88	25.63	21.85	25.67	21.85	25.72	21.84
25.86	21.83	27	21.7	30.36	21.33	33.4	21	33.57	20.99
35.51	20.87	36.44	20.81	38.45	20.67	39.95	20.74	40.55	20.76
40.68	20.77	44.73	21	45.04	21.04	45.24	21.06	45.69	21.12
52.16	22	54.13	22.29	55.61	22.51	58.93	23	60.67	23.26
65.67	24	67.36	24.4	69.76	25	69.92	25.04	74.11	25.98

Manning's n Values num= 3
Sta n Val sta n Val sta n Val
0 .045 36.44 0.035 40.55 0.045
Bank Sta: Left Right Lengths: Left channel Right
36.44 40.55 20.09 20.38 20.67

CROSS SECTION

RIVER: Innominado
REACH: superior RS: 374.659

INPUT Description: Station Elevation Data num= 88

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	24.96	3.87	24.18	4.22	24	7.91	23.34	9.55	22.23
9.84	22.94	9.85	22.94	9.86	22.93	9.88	22.93	9.93	22.92
9.96	22.92	9.97	22.91	9.99	22.91	10	22.91	11.92	22.52
11.94	22.52	12.37	22.44	12.86	22.37	13.14	22.32	13.31	22.3
14.25	22.16	14.48	22.12	14.61	22.1	14.79	22.07	14.82	22.06
15.2	22.03	15.18	22.01	15.2	22	15.22	22	15.35	21.99
15.5	21.98	15.63	21.96	15.67	21.96	15.81	21.95	15.88	21.95
15.9	21.94	16.29	21.91	17.59	21.78	17.83	21.76	18.9	21.67
19.03	21.66	19.4	21.63	19.43	21.63	19.8	21.59	21.43	21.46
21.87	21.42	21.93	21.41	23.72	21.25	24.33	21.2	25.82	21.04
25.88	21.3	26.16	21	29.77	20.65	31.39	20.51	32.74	20.4
33.14	20.36	33.72	20.31	34.01	20.28	34.5	20.25	34.74	20.23
37.58	20	38.7	19.96	39.63	19.93	40.75	19.89	42.89	19.95
42.91	19.95	44.49	20	46.35	20.22	46.45	20.23	47.09	20.33
47.62	20.47	51.04	21	53.65	21.46	54.53	21.55	56.72	21.9
56.97	21.94	57.37	22	61.01	22.58	63.6	23	67.39	23.93
67.69	24	67.8	24.04	71.08	25	71.41	25.06	76.42	26
76.57	26.09	76.76	26.19	77.68	26.67				

Manning's n Values num= 3
Sta n Val sta n Val sta n Val
0 .05 38.7 .4 42.89 .05
Bank Sta: Left Right Lengths: Left channel Right
38.7 42.89 20.2 20.28 20.33

CROSS SECTION

RIVER: Innominado
REACH: superior RS: 354.377

INPUT Description: Station Elevation Data num= 104

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	24.21	.09	24.19	.13	24.18	.36	24.13	.61	24.08
.73	24.05	.75	24.05	.77	24.04	.78	24.04	.8	24.03
.81	24.03	.95	24	3.35	23.53	6.02	23	8.57	22.55
8.84	22.51	11.74	22	12.69	21.84	12.87	21.81	13.15	21.76
13.6	21.68	15.41	21.36	17.05	21.08	17.5	21	18.55	20.9
18.58	20.89	18.6	20.89	18.63	20.89	19.98	20.73	20.93	20.75
20.09	20.74	21.11	20.64	21.18	20.64	21.25	20.63	21.68	20.59
21.91	20.57	22.13	20.55	22.33	20.53	22.52	20.51	22.7	20.49
22.86	20.48	23.07	20.46	23.17	20.45	23.18	20.45	23.31	20.43
23.43	20.42	23.55	20.41	23.66	20.4	23.77	20.39	23.87	20.39
23.97	20.38	24.06	20.37	24.15	20.36	24.49	20.33	24.77	20.31
28.39	20	30.72	19.8	31.06	19.77	31.27	19.76	32.35	19.68
36.02	19.38	38.1	19.24	38.47	19.22	38.73	19.2	40.53	19.1
40.55	19.1	40.77	19.07	40.85	19.05	40.87	19.05	40.88	19.05
41.01	19.07	41.04	19.07	41.06	19.07	42	19.06	42.48	19.03
43.3	19.03	44.13	19.1	44.32	19.12	45.11	19.21	45.79	19.25
46.49	19.33	47.5	19.46	48.96	19.6	51.73	20	55.56	20.81
56.51	21	56.88	21.08	61.3	22	63.97	22.57	64.02	22.58
64.32	22.64	66.02	23	67.74	23.46	68.27	23.6	69.25	23.85
69.84	24	71.41	24.54	72.02	24.75	72.76	25	75.27	25.48
78	26	78.22	26.1	79	26.39	79.8	26.74		

Manning's n Values num= 3
Sta n Val sta n Val sta n Val
0 .05 40.53 .4 44.32 .05
Bank Sta: Left Right Lengths: Left channel Right
40.53 44.32 19.41 19.64 19.79

tarifa
ALBUJENIA
aprobado
Inicialmente por el Excmo. Ayuntamiento de Tarifa en se-
sion celebrada el día **27-SET. 2016**, (Artículo 128.5
del Reglamento de Planeamiento Urbanístico).
EL SECRETARIO DEL AYUNTAMIENTO



ALBUJENIA: Para hacer constar que el presente documento
se somete a informacion publica para cumplimentar lo requerido
por la Delegacion Territorial de la Consejeria de Agricultura Pesca
y Medio Ambiente en su oficio de fecha **21 FEB. 2017**
TARIFA a **23 ABR. 2017**
EL SECRETARIO



CROSS SECTION

RIVER: Innominado
REACH: superior RS: 334.743

INPUT Description: Station Elevation Data num= 45

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	24.01	.05	24	3.63	23.47	6.68	23	7.91	22.8
9.54	22.54	12.66	22	14.51	21.52	16.5	21	18.7	20.64
21.27	20.21	21.78	20.12	22.52	20	24.07	19.84	32.23	19
32.26	19	32.29	19	34.38	18.87	39.71	18.5	41.96	18.34
44.25	18.64	44.37	18.65	47.24	19	50.05	19.58	51.93	20
55.32	20.76	56.35	20.98	56.46	21	56.6	21.03	57.82	21.29
61.29	22	62.74	22.32	65.85	23	68.97	23.89	69.35	24
69.66	24.1	72.58	25	74.14	25.32	74.61	25.42	74.8	25.46
75.04	25.52	75.35	25.58	75.74	25.67	76.27	25.79	76.85	25.91

Manning's n Values num= 3
Sta n Val sta n Val sta n Val
0 .05 39.71 .4 44.25 .05
Bank Sta: Left Right Lengths: Left channel Right
39.71 44.25 19.59 19.5 18.97

CROSS SECTION

RIVER: Innominado
REACH: superior RS: 315.248

INPUT Description: Station Elevation Data num= 90

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	25.25	.55	25.08	.81	25	1	24.94	1.21	24.85
3.34	24	5.21	23.47	6.88	23	9.17	22.35	10.42	22
13.69	21.08	13.96	21	14.58	20.83	16.23	20.36	17.03	20.14
17.53	20	17.55	20	18	19.91	18.05	19.9	18.14	19.89
18.6	19.8	18.89	19.75	23.25	19	24.03	18.91	24.14	18.9
24.87	18.8	25.13	18.76	25.63	18.69	26.7	18.53	27.31	18.45
27.8	18.38	30.78	18	32.54	17.79	32.65	17.77	32.81	17.76
32.94	17.74	33.72	17.65	35.84	17.38	37.82	17.71	38.6	17.84
39.95	18.8	45.2	18.72	45.34	18.74	46.01	18.85	46.02	18.85
46.85	18.8	46.01	18.86	46.11	18.86	46.14	18.86	46.16	18.87
46.19	18.87	46.24	18.88	46.28	18.89	47.02	19	50.51	19.67
52.08	20	53.89	20.37	55.99	20.79	56.25	20.84	56.81	20.96
56.87	20.97	56.99	20.99	57.04	21	58.39	21.24	58.65	21.31
59.54	21.48	59.95	21.56	60.21	21.61	62.24	22	62.84	22.12
62.86	22.12	63.04	22.15	64.21	22.38	64.59	22.44	65.29	22.56
66.25	22.73	67.72	23	67.76	23.01	67.78	23.02	67.82	23.03
69.23	23.5	69.91	23.73	70.08	23.78	70.33	23.86	70.66	24
73.24	24.89	73.35	24.92	73.57	25	73.63	25.02	74.68	25.4

Manning's n Values num= 3
Sta n Val sta n Val sta n Val
0 .05 33.72 .4 37.82 .05
Bank Sta: Left Right Lengths: Left channel Right
33.72 37.82 19.95 19.67 19.29

CROSS SECTION

RIVER: Innominado
REACH: superior RS: 295.581

INPUT Description: Station Elevation Data num= 114

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	24.46	1.58	24	2.49	23.7	4.72	23	6.87	22.44
7.03	22.4	7.14	22.36	7.51	22.26	8.02	22.11	8.41	22
8.87	21.87	9.56	21.67	10.69	21.37	11.1	21.26	11.32	21.2
12.09	21	12.92	20.76	13.89	20.47	15.69	20	16.52	19.79
16.83	19.71	19.95	19	24.78	18.07	25.12	18	26.05	17.83
27.01	17.63	30.29	17	32.13	16.76	33.85	16.53	33.96	16.52
33.97	16.52	34.06	16.51	34.19	16.52	34.21	16.52	34.22	16.52
36.13	16.72	36.89	17	44.28	17.62	46.51	17.87		

RIVER: Innominado
REACH: superior
AS: 254.479

INPUT Description: Station Elevation Data num= 124

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	21.25	73	21.1	172	21	5.25	20.22	6.42	20
6.85	19.92	9.8	19.36	10.81	19.18	11.7	19	16.22	18.14
16.95	18	17.12	17.97	17.15	17.97	17.16	17.97	17.16	17.96
17.22	17.96	17.57	17.9	18.04	17.81	22.82	17	25.3	16.64
25.68	16.59	26.25	16.52	26.28	16.49	26.24	16.46	16.46	16.46
26.94	16.44	27.1	16.42	27.1	16.4	30.23	16	30.96	15.9
30.99	15.9	31.02	15.89	31.05	15.89	31.08	15.88	31.11	15.88
31.15	15.87	31.17	15.87	31.21	15.86	31.25	15.86	31.3	15.85
31.35	15.84	31.41	15.84	31.65	15.8	31.73	15.79	32.2	15.72
32.77	15.71	32.69	15.65	32.83	15.63	32.98	15.61	33.33	15.56
33.51	15.53	33.54	15.53	33.68	15.51	33.8	15.49	33.92	15.47
34.12	15.45	34.23	15.43	34.33	15.41	34.64	15.37	34.84	15.35
35.06	15.32	35.63	15.24	35.83	15.22	36.05	15.19	36.27	15.16
36.39	15.14	36.59	15.12	36.71	15.1	37.21	15.04	37.51	15
38.42	14.87	38.72	14.83	38.82	14.82	38.86	14.81	38.89	14.81
38.93	14.8	39.18	14.81	41.07	14.96	41.66	15	44.51	15.24
44.66	15.36	44.83	15.38	45.05	15.41	45.79	15.5	46.94	15.65
47.27	15.68	48.54	15.83	48.57	15.84	48.86	15.87	49.17	15.91
49.51	15.95	49.71	15.98	49.87	16	50.55	16.1	51.31	16.22
52.44	16.39	52.46	16.4	53.16	16.5	53.64	16.58	54	16.63
54.28	16.6	54.1	16.57	54.78	16.64	55.88	16.75	58.92	17.16
59.44	17.92	59.72	18	61.79	18.57	63.38	19	65.63	19.59
66.38	19.79	66.59	19.84	67.18	20	67.55	20.1	70.91	21
71.26	21.09	74.64	22	74.79	22.04	74.92	22.08	77.73	22.83
78.37	23	79.38	23.27	79.82	23.39	80.31	23.52		

Manning's n Values
Sta n Val Sta n Val Sta n Val
0 .05 37.51 .4 41.66 .05

Bank Sta: Left Right Lengths: Left channel Right
37.51 41.66 18.9 19.26 19.61

Coeff Contr. .1 Expan. .3

CROSS SECTION

RIVER: Innominado
REACH: superior
AS: 235.222

INPUT Description: Station Elevation Data num= 67

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	20.76	2.21	20.33	3.93	20	19.74	5.37	19.74	17.74
6.37	19.59	9.82	19	10	18.97	10.39	18.69	14.02	18.18
14.95	18	18.91	17.15	19.73	17	24.79	16.35	27.06	16
33.38	15.07	33.84	15	36.2	14.67	37.69	14.47	38.16	14.41
38.52	14.36	38.81	14.32	39.04	14.28	39.52	14.28	39.52	14.28
40.78	14.1	41.27	14.03	41.6	14.03	41.8	14.01	41.97	14.02
42.06	14.03	42.13	14.04	42.2	14.05	43.15	14.12	43.29	14.14
43.85	14.18	44.09	14.2	45.53	14.37	47.03	14.54	50.75	15
52.72	15.28	57.52	16	60.53	16.68	61.84	17	63.4	17.39
63.77	17.49	64.01	17.55	65.81	18	67.79	18.5	69.76	19
71.83	19.56	72.37	19.7	72.51	19.74	73.5	20	74.4	20.29
76.64	21	79	21.81	79.07	21.83	79.18	21.86	79.3	21.91
79.43	21.95	79.57	22	80.18	22.2	80.23	22.22	80.65	22.36
81.16	22.53	82.73	22.83						

Manning's n Values
Sta n Val Sta n Val Sta n Val
0 .05 39.37 .4 43.85 .05

Bank Sta: Left Right Lengths: Left channel Right
39.37 43.85 19.18 19.51 19.78

Coeff Contr. .1 Expan. .3

CROSS SECTION

RIVER: Innominado
REACH: superior
AS: 215.711

INPUT Description: Station Elevation Data num= 122

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	19.64	12	19.64	14	19.56	54	19.55	68	19.52
8	19.49	91	19.47	1.01	19.45	1.1	19.43	1.18	19.41
1.69	19.3	1.75	19.29	1.81	19.28	1.83	19.27	1.86	19.27
1.88	19.26	2.52	19.13	2.57	19.12	3.14	19	3.27	18.93
3.92	18.84	5.4	18.5	5.85	18.45	6.16	18.38	6.4	18.33
6.59	18.3	6.73	18.27	6.85	18.24	6.95	18.22	7.04	18.2
7.11	18.19	7.17	18.17	7.22	18.16	7.27	18.15	8.02	18
12.21	17.27	12.36	17.24	12.53	17.21	12.61	17.19	12.71	17.17
12.82	17.15	12.93	17.13	13.05	17.1	13.17	17.09	13.3	17.07
13.44	17.04	13.58	17.01	13.67	17	14.85	16.84	14.99	16.82
15.17	16.79	15.34	16.77	15.5	16.75	15.66	16.73	15.8	16.71
16.18	16.65	16.99	16.53	20.72	16	23.82	15.65	24.48	15.56
25.55	15.43	25.77	15.41	26.3	15.35	26.88	15.3	28.16	15.11
28.3	15.1	28.4	15.09	29.07	15	29.18	15	31.74	14.61
33.74	14.32	34.46	14.22	34.83	14.17	35.06	14.13	35.21	14.11
35.22	14.11	35.28	14.1	35.95	14	37.38	13.9	39.6	13.77
40.49	13.72	40.55	13.72	40.59	13.72	40.64	13.72	40.7	13.72
40.75	13.71	40.8	13.71	40.85	13.71	40.89	13.71	40.93	13.71
40.96	13.7	41	13.7	41.03	13.7	41.07	13.7	41.1	13.7
41.12	13.7	41.7	13.62	42.59	13.7	43.92	13.84	43.93	13.84
45.56	14	48.09	14.34	49.49	14.53	50.56	14.68	51.03	14.74
52.91	15	56.2	15.58	58.57	16	60.36	16.49	62.21	17
63.16	17.26	65.83	18	67.56	18.48	69.45	19	72.59	19.93
72.8	20	73.28	20.14	76.34	21	78.26	21.54	79.81	22
79.99	22.05	80.41	22.18						

Manning's n Values
Sta n Val Sta n Val Sta n Val
0 .05 39.6 .4 43.93 .05

Bank Sta: Left Right Lengths: Left channel Right
39.6 43.93 19.5 20.07 20.4

Coeff Contr. .1 Expan. .3

CROSS SECTION

RIVER: Innominado
REACH: superior
AS: 195.639

INPUT Description: Station Elevation Data num= 65

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	19.43	31	19.37	34	19.37	34	19.37	2.29	19
6.11	18.28	7.55	18	9.38	17.64	10.78	17.36	12.62	17
16.45	16.36	16.67	16.33	17.08	16.28	18.18	16.14	18.79	16.05
25.04	15.02	26.18	15	26.7	14.95	29.82	14.72	29.84	14.72
32.07	14.55	32.09	14.55	32.68	14.5	33.19	14.47	35.37	14.28
35.46	14.28	38.2	14.04	38.21	14.04	38.25	14.04	38.69	14
39.29	13.93	40.01	13.85	42.17	13.52	44.16	13.21	46.23	13.43
50.61	13.9	50.74	13.92	50.9	13.93	51.06	13.95	51.25	13.97
51.44	13.99	51.52	14	52.35	14.1	53.79	14.27	59.81	15
62.78	15.76	63.71	16	64.57	16.22	66.98	16.84	67.6	17
67.68	17.02	68.6	17.27	71.32	18.18	72.48	18.7	75.21	19
78.76	19.83	79.41	20	80.44	20.29	82.97	21	83.74	21.22

tarifa
DILIGENCIA -
aprobado

Finalmente por el Excmo. Ayuntamiento de Tarifa en sesión celebrada el día 27 SET. 2016 (Artículo 126.6 del Reglamento de Planeamiento Urbanístico).

EL SECRETARIO DEL AYUNTAMIENTO



DILIGENCIA: Para hacer constar que el presente documento se somete a información pública para cumplimentar lo requerido por la Delegación Territorial de la Consejería de Agricultura, Pesca y Medio Ambiente en su oficina de fecha 21 FEB 2017 TARIFA a las 3 ABR. 2017



Manning's n Values
Sta n Val Sta n Val Sta n Val
0 .05 42.17 .4 46.23 .05

Bank Sta: Left Right Lengths: Left channel Right
42.17 46.23 19.99 20.12 20.05

Coeff Contr. .1 Expan. .3

CROSS SECTION

RIVER: Innominado
REACH: superior
AS: 175.516

INPUT Description: Station Elevation Data num= 182

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	18.91	3.43	18.23	4.48	18	6.85	17.54	9.7	17
13.41	16.24	13.45	16.24	13.48	16.23	13.9	16.15	13.92	16.15
14.46	16.08	14.47	16.08	14.48	16.08	14.49	16.08	14.53	16.08
14.57	16.08	14.6	16.07	14.62	16.07	14.65	16.07	14.67	16.07
14.7	16.07	14.72	16.07	14.74	16.07	14.77	16.07	14.81	16.07
14.85	16.07	16.06	16.01	16.19	16	16.21	16	16.26	16
16.32	16	16.38	16	16.44	16	16.5	16	16.55	16
16.6	16	16.65	16	16.7	16	18.16	15.76	18.33	15.73
21.11	15.55	21.28	15.58	21.37	15.59	21.47	15.59	21.57	15.59
21.99	15.6	21.69	15.6	21.79	15.6	21.82	15.6	21.91	15.61
22.97	15.62	22.09	15.62	22.23	15.63	22.38	15.64	22.44	15.65
22.85	15.66	23.23	15.67	23.48	15.65	23.95	15.64	24.17	15.65
24.59	15.67	24.65	15.68	24.71	15.68	24.77	15.69	24.83	15.69
24.89	15.7	24.95	15.7	25.01	15.7	25.07	15.73	25.13	15.73
25.2	15.75	25.69	15.75	25.72	15.75	27.05	15.76	27.08	15.76
27.2	15.77	27.31	15.78	27.35	15.78	27.42	15.79	28.83	15.8
29.05	15.82	29.33	15.83	29.44	15.84	29.67	15.87	29.9	15.89
29.95	15.9	30.19	15.92	30.44	15.94	30.71	15.97	30.74	15.97
30.76	15.97	31.1	16	31.15	16	31.17	16	31.36	16
31.45	16	31.47	16	31.89	16	31.95	16	32.16	16
32.26	16	32.36	16	32.46	16	32.55	16	32.65	16
34.4	16	34.48	16	34.57	16	34.65	16	34.7	16
34.82	16	34.83	16	34.93	15.98	35.05	15.96	35.09	15.95
35.18	15.93	35.25	15.92	35.34	15.9	35.42	15.89	35.43	15.89
35.5	15.88	35.58	15.87	35.65	15.85	35.66	15.85	35.73	15.85
35.8	15.84	35.82	15.84	35.81	15.84	36.02	15.81	36.02	15.81
36.15	15.8	36.16	15.8	36.28	15.78				

Table with columns: Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev. Values range from 106.66 to 109.91.

Manning's n Values table with columns: Sta, n Val, Sta, n Val, Sta, n Val, Sta, n Val. Values range from 0 to .05.

CROSS SECTION table with columns: Bank Sta, Left, Right, Lengths, Left Channel, Right, Coeff Contr., Expan. Values: Left 51, Right 54.05, Lengths 20.4, Left Channel 20.32, Right 20.28, Coeff Contr. .1, Expan. .3.

RIVER: Innominado REACH: superior RS: 114.780

INPUT Description: Station Elevation Data num= 110. Table with columns: Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev.

Manning's n Values table with columns: Sta, n Val, Sta, n Val, Sta, n Val, Sta, n Val. Values range from 0 to .05.

CROSS SECTION table with columns: Bank Sta, Left, Right, Lengths, Left Channel, Right, Coeff Contr., Expan. Values: Left 51.48, Right 55.28, Lengths 20.37, Left Channel 20, Right 19.67, Coeff Contr. .1, Expan. .3.

RIVER: Innominado REACH: superior RS: 94.778

INPUT Description: Station Elevation Data num= 88. Table with columns: Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev.

Manning's n Values table with columns: Sta, n Val, Sta, n Val, Sta, n Val, Sta, n Val. Values range from 0 to .06.

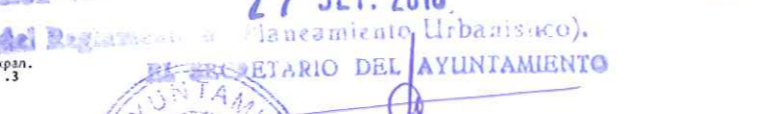
CROSS SECTION table with columns: Bank Sta, Left, Right, Lengths, Left Channel, Right, Coeff Contr., Expan. Values: Left 52.99, Right 56.9, Lengths 20.77, Left Channel 20.26, Right 19.78, Coeff Contr. .1, Expan. .3.

RIVER: Innominado REACH: superior RS: 74.522

INPUT Description: Station Elevation Data num= 170. Table with columns: Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev.

Manning's n Values table with columns: Sta, n Val, Sta, n Val, Sta, n Val, Sta, n Val. Values range from 0 to .06.

tarifa 17 aprobado. Excmo. Ayuntamiento de... 27 SET. 2016. Anuals 120,5.



Atenciones: Para hacer constar que el presente documento se somete a información pública para cumplimentar lo requerido por la Delegación Territorial de la Consejería de Agricultura, Pesca y Medio Ambiente... 21 FEB. 2017. TARIFA a ... 3 ABR. 2017. EL SECRETARIO.



Table with columns: 0, .06, 49.78, .045, 53.67, .06. Manning's n Values table with columns: Sta, n Val, Sta, n Val, Sta, n Val, Sta, n Val.

CROSS SECTION table with columns: Bank Sta, Left, Right, Lengths, Left Channel, Right, Coeff Contr., Expan. Values: Left 49.78, Right 53.67, Lengths 18.75, Left Channel 20.34, Right 21.33, Coeff Contr. .1, Expan. .3.

RIVER: Innominado REACH: superior RS: 54.184

INPUT Description: Station Elevation Data num= 175. Table with columns: Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev.

Manning's n Values table with columns: Sta, n Val, Sta, n Val, Sta, n Val, Sta, n Val. Values range from 0 to .06.

CROSS SECTION table with columns: Bank Sta, Left, Right, Lengths, Left Channel, Right, Coeff Contr., Expan. Values: Left 53.66, Right 57.79, Lengths 11.23, Left Channel 11.33, Right 10.52, Coeff Contr. .1, Expan. .3.

RIVER: Innominado REACH: superior RS: 42.856

INPUT Description: Station Elevation Data num= 195. Table with columns: Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev.

Manning's n Values table with columns: Sta, n Val, Sta, n Val, Sta, n Val, Sta, n Val. Values range from 0 to .06.

CROSS SECTION table with columns: Bank Sta, Left, Right, Lengths, Left Channel, Right, Coeff Contr., Expan. Values: Left 58.28, Right 62.39, Lengths 17.7, Left Channel 17.07, Right 17.17, Coeff Contr. .3, Expan. .5.

RIVER: Innominado REACH: superior RS: 35

INPUT Description: PASO SOBRE CALLE BATALLA DEL SALADO. Distance from Upstream XS = 3.01. Deck/Roadway Width = 12.99. Weir coefficient = 1.44. Upstream Deck/Roadway coordinates num= 3. Sta Hi Cord Lo Cord Sta Hi Cord Lo Cord Sta Hi Cord Lo Cord. Values: 30.61, 12.51, 64, 12.7, 76.48, 13, 9.

Upstream Bridge Cross Section Data. Página 10

Station Elevation Data		num= 195		Sta Elev		Sta Elev		Sta Elev		Sta Elev	
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	12.21	3.73	12.17	5.33	12.13	5.39	12.12	6.05	12.08		
7.42	12.12	8.34	12.03	9.95	12.05	13.54	12	19.96	12		
24.98	11.92	25.47	11.92	28.8	12	29.63	12.04	31.48	12.13		
37.86	12.21	40.92	12.28	42.2	8.92	42.63	8.9	46.59	8.9		
47.3	8.92	48.08	12.44	50.8	12.58	53.55	12.69	54.93	12.74		
58.2	12.85	61.48	12.95	62.52	12.99	62.7	12.99	62.8	12.99		
62.9	12.99	63.78	13	65.79	13	67.94	13	68.68	13.03		
71.19	13.06	76.03	13.13	78.65	13.23	79.26	13.24	82.23	13.35		
82.58	13.37	82.82	13.42	88.63	13.54	94.13	13.89	94.55	13.9		
94.81	13.9	97.89	13.96	99.95	14	100.18	14	101.24	14.01		
102.78	14.01	104.72	14.07	107.33	14.09	107.68	14.09	113.09	14.25		
113.37	14.27	116.24	14.54	116.45	14.56	116.65	14.56	116.72	14.57		
117.05	14.58	117.41	14.59	117.79	14.59	124.12	14.78	124.62	14.78		
126.42	14.78	128.48	14.83	130.76	14.83	138.54	15	138.67	15		
139.57	15	139.8	15.01	142.54	15.01	144.28	15.05	147.01	15.07		
148.54	15.07	150.9	15.14	153.1	15.15	154.92	15.17	157.4	15.23		

Manning's n Values		num= 3		Sta n Val		Sta n Val	
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
0	.06	58.28	.045	62.39	.06		

Bank Sta: Left		Right		Coeff Contr.		Expan.	
Sta	Sta	Sta	Sta	Sta	Sta	Sta	Sta
58.28	62.39			.3		.5	

Ineffective Flow		num= 2		Sta L Sta R		Elev Permanent	
Sta L	Sta R	Sta L	Sta R	Elev	Elev	Elev	Elev
0	58.28	12.06	T				
62.5	159.99	12.6	T				

Downstream Deck/Roadway Coordinates		num= 2		Sta Hi Cord Lo Cord		Sta Hi Cord Lo Cord	
Sta	Sta	Sta	Sta	Sta	Sta	Sta	Sta
40.92	12.28	8	48.08	12.44	8		

Downstream Bridge Cross Section Data		num= 80		Sta Elev		Sta Elev		Sta Elev		Sta Elev	
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	12.21	3.73	12.17	5.33	12.13	5.39	12.12	6.05	12.08		
7.42	12.12	8.34	12.03	9.95	12.05	13.54	12	19.96	12		
24.98	11.92	25.47	11.92	28.8	12	29.63	12.04	31.48	12.13		
37.86	12.21	40.92	12.28	42.2	8.92	42.63	8.9	46.59	8.9		
47.3	8.92	48.08	12.44	50.8	12.58	53.55	12.69	54.93	12.74		
58.2	12.85	61.48	12.95	62.52	12.99	62.7	12.99	62.8	12.99		
62.9	12.99	63.78	13	65.79	13	67.94	13	68.68	13.03		
71.19	13.06	76.03	13.13	78.65	13.23	79.26	13.24	82.23	13.35		
82.58	13.37	82.82	13.42	88.63	13.54	94.13	13.89	94.55	13.9		
94.81	13.9	97.89	13.96	99.95	14	100.18	14	101.24	14.01		
102.78	14.01	104.72	14.07	107.33	14.09	107.68	14.09	113.09	14.25		
113.37	14.27	116.24	14.54	116.45	14.56	116.65	14.56	116.72	14.57		
117.05	14.58	117.41	14.59	117.79	14.59	124.12	14.78	124.62	14.78		
126.42	14.78	128.48	14.83	130.76	14.83	138.54	15	138.67	15		
139.57	15	139.8	15.01	142.54	15.01	144.28	15.05	147.01	15.07		
148.54	15.07	150.9	15.14	153.1	15.15	154.92	15.17	157.4	15.23		

Manning's n Values		num= 3		Sta n Val		Sta n Val	
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
0	.06	40.92	.045	48.08	.06		

Bank Sta: Left		Right		Coeff Contr.		Expan.	
Sta	Sta	Sta	Sta	Sta	Sta	Sta	Sta
40.92	48.08			.1		.3	

Upstream Embankment side slope = 0 horiz. to 1.0 vertical
 Downstream Embankment side slope = 0 horiz. to 1.0 vertical
 Maximum allowable submergence for weir flow = .95
 Elevation at which weir flow begins =
 Energy head used in spillway design =
 Spillway height used in design =
 Weir crest shape = Broad Crested

Number of Culverts = 1

Culvert Name: Shape: Rise: Span:
 PASO 1: Conspan Arch: 1.7: 2

FHWA Chart # 60 - Span/Rise ratio approximate 2:1
 FHWA scale # 1 - 0 degree wing wall angle
 Solution criteria = Highest U.S. EG

Culvert Upstrm Dist	Length	Top n	Bottom n	Depth Blocked	Entrance Loss Coef	Exit Loss Coef
3.01	12.99	.015	.015	0	.5	1

Upstream Elevation = 9.2
 Centerline Station = 60.27
 Downstream Elevation = 8.94
 Centerline Station = 44.63

CROSS SECTION

RIVER: Innominado
 REACH: superior RS: 25.786

Station Elevation Data		num= 80		Sta Elev		Sta Elev		Sta Elev		Sta Elev	
Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	12.21	3.73	12.17	5.33	12.13	5.39	12.12	6.05	12.08		
7.42	12.12	8.34	12.03	9.95	12.05	13.54	12	19.96	12		
24.98	11.92	25.47	11.92	28.8	12	29.63	12.04	31.48	12.13		
37.86	12.21	40.92	12.28	42.2	8.92	42.63	8.9	46.59	8.9		
47.3	8.92	48.08	12.44	50.8	12.58	53.55	12.69	54.93	12.74		
58.2	12.85	61.48	12.95	62.52	12.99	62.7	12.99	62.8	12.99		
62.9	12.99	63.78	13	65.79	13	67.94	13	68.68	13.03		
71.19	13.06	76.03	13.13	78.65	13.23	79.26	13.24	82.23	13.35		
82.58	13.37	82.82	13.42	88.63	13.54	94.13	13.89	94.55	13.9		
94.81	13.9	97.89	13.96	99.95	14	100.18	14	101.24	14.01		
102.78	14.01	104.72	14.07	107.33	14.09	107.68	14.09	113.09	14.25		
113.37	14.27	116.24	14.54	116.45	14.56	116.65	14.56	116.72	14.57		
117.05	14.58	117.41	14.59	117.79	14.59	124.12	14.78	124.62	14.78		
126.42	14.78	128.48	14.83	130.76	14.83	138.54	15	138.67	15		
139.57	15	139.8	15.01	142.54	15.01	144.28	15.05	147.01	15.07		
148.54	15.07	150.9	15.14	153.1	15.15	154.92	15.17	157.4	15.23		

Manning's n Values		num= 3		Sta n Val		Sta n Val	
Sta	n Val	Sta	n Val	Sta	n Val	Sta	n Val
0	.06	40.92	.045	48.08	.06		

Bank Sta: Left		Right		Lengths: Left channel		Right		Coeff Contr.		Expan.	
Sta	Sta	Sta	Sta	Sta	Sta	Sta	Sta	Sta	Sta	Sta	Sta
40.92	48.08			21.34	25.79	25.83		.1		.3	

EXCMO. AYUNTAMIENTO DE TARIFA
 SECRETARIA
 27-SET. 2016
 Reglamento de Planeamiento Urbanístico, Articulo 128.5
 EL SECRETARIO DEL AYUNTAMIENTO



DILIGENCIA: Para hacer constar que el presente documento se somete a información pública para cumplimentar lo requerido por la Delegación Territorial de la Consejería de Agricultura, Pesca y Medio Ambiente en su oficio de fecha 21 FEB. 2017
 TARIFA, a 23 ABR. 2017
 EL SECRETARIO



tarifa

SUMMARY OF MANNING'S N VALUES				
River: Innominado				
Reach	River Sta.	n1	n2	n3
superior	732.439	.045	.035	.045
superior	697.415	.045	.035	.045
superior	656.082	.045	.035	.045
superior	656.672	.045	.035	.045
superior	576.256	.045	.035	.045
superior	554.557	.045	.035	.045
superior	535.806	.045	.035	.045
superior	514.322	.045	.035	.045
superior	497.047	.045	.035	.045
superior	475.941	.045	.035	.045
superior	456.031	.045	.035	.045
superior	435.143	.045	.035	.045
superior	417.714	.045	.035	.045
superior	395.035	.045	.035	.045
superior	374.659	.045	.035	.045
superior	354.377	.045	.035	.045
superior	334.743	.045	.035	.045
superior	315.248	.045	.035	.045
superior	295.581	.045	.035	.045
superior	274.643	.045	.035	.045
superior	254.479	.045	.035	.045
superior	235.222	.045	.035	.045
superior	215.711	.045	.035	.045
superior	195.639	.045	.035	.045
superior	175.516	.045	.035	.045
superior	154.810	.045	.035	.045
superior	135.098	.045	.035	.045
superior	114.780	.045	.035	.045
superior	94.778	.045	.035	.045
superior	74.522	.045	.035	.045
superior	54.184	.045	.035	.045
superior	35	.045	.035	.045
superior	25.786	.06	.045	.06

SUMMARY OF REACH LENGTHS				
River: Innominado				
Reach	River Sta.	Left channel	Right	
superior	732.439	33.55	35.02	35.8
superior	697.415	43.5	41.33	39.58
superior	656.082	38.68	39.41	39.77
superior	656.672	39.17	40.42	41.41
superior	576.256	21.69	21.7	21.6
superior	554.557	19.68	18.75	17.72
superior	535.806	22.16	21.49	20.54
superior	514.322	16.62	17.27	17.85
superior	497.047	20.87	21.11	21.29
superior	475.941	19.08	19.91	20.58
superior	456.031	20.23	20.89	21.24
superior	435.143	16.92	17.43	17.97
superior	417.714	22.31	22.68	22.56
superior	395.035	20.09	20.38	20.67
superior	374.659	20.2	20.28	20.33
superior	354.377	19.41	19.64	19.79
superior	334.743	19.59	19.5	18.97
superior	315.248	19.95	19.67	19.29
superior	295.581	22.27	20.94	19.08
superior	274.643	21.17	20.16	19.06
superior	254.479	18.9	19.26	19.61
superior	235.222	19.18	19.51	19.78
superior	215.711	19.5	20.07	20.4
superior	195.639	19.99	20.12	20.05
superior	175.516	20.08	20.71	21.68
superior	154.810	19.6	19.71	19.58
superior	135.098	20.4	20.32	20.28
superior	114.780	20.37	20	19.67
superior	94.778	20.77	20.26	19.78
superior	74.522	18.75	20.34	21.33
superior	54.184	11.		

PRESENCIA. aprobado
dictado por el Excmo. Ayuntamiento de Tarifa en sesión celebrada el día **27 SET. 2016** (Artículo 120.º del Reglamento de Planeamiento Urbanístico).
EL SECRETARIO DEL AYUNTAMIENTO



DILIGENCIA: Para hacer constar que el presente documento se somete a información pública para cumplimentar lo requerido por la Delegación Territorial de la Consejería de Agricultura, Pesca y Medio Ambiente en su oficio de fecha **21 FEB. 2017**.
TARIFA a **13 ABR. 2017**.
EL SECRETARIO



SALIDA DE INFORME DE CÁLCULO DEL PROGRAMA HEC-RAS 3.1.3

ESCENARIO ESTADO ACTUAL

HEC-RAS Version 3.1.3 May 2005
 U.S. Army Corp of Engineers
 Hydrologic Engineering Center
 609 Second Street
 Davis, California

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X X XXXXXX XXXX XXXX XX XXX
X X X X X X X X X X X X X
X X X X X X X X X X X X X
XXXXXXXXXX XXX XXXX XXXXXX XXXX
X X X X X X X X X X X X X
X X X X X X X X X X X X X
X X XXXXXX XXXX XXXX XXXX
  
```

PROJECT DATA
 Project Title: tarifa
 Project File: tarifa.prj
 Run Date and Time: 25/02/2016 14:42:07
 Project in ST units

PLAN DATA
 Plan Title: Plan 05
 Plan File: C:\TARIFA2\tarifa.p05
 Geometry Title: tarifa
 Geometry File: C:\TARIFA2\tarifa.g01
 Flow Title: tarifan
 Flow File: C:\TARIFA2\tarifan.f01

Plan Summary Information:
 Number of: Cross Sections = 33 Multiple Openings = 0
 Culverts = 1 In-line Structures = 0
 Bridges = 0 Lateral Structures = 0

Computational Information
 Water surface calculation tolerance = 0.003
 Critical depth calculation tolerance = 0.003
 Maximum number of iterations = 20
 Maximum difference tolerance = 0.1
 Flow tolerance factor = 0.001

Computation options
 Critical depth computed only where necessary
 Conveyance calculation Method: At breaks in n values only
 Friction slope Method: Average conveyance
 Computational Flow Regime: Mixed Flow

FLOW DATA
 Flow Title: tarifan
 Flow File: C:\TARIFA2\tarifan.f01

River	Reach	RS	10 Años	50 Años	100 Años	500 Años
Innominado	superior	732.439	3.76	5.2	5.81	7.8
Innominado	superior	235.222	5.26	7.25	8.05	10.84

River	Reach	Profile	Upstream	Downstream
Innominado	superior	10 Años	Critical	Normal S = 0.02
Innominado	superior	50 Años	Critical	Normal S = 0.02
Innominado	superior	100 Años	Critical	Normal S = 0.02
Innominado	superior	500 Años	Critical	Normal S = 0.02

GEOMETRY DATA
 Geometry Title: tarifa
 Geometry File: C:\TARIFA2\tarifa.g01

CROSS SECTION
 RIVER: Innominado
 REACH: superior RS: 732.439

INPUT Description: Station Elevation Data num= 109

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	38.76	38.69	2.26	38.37	4.38	38	5.76
6.48	37.74	7.34	37.64	8.01	37.57	8.02	37.57
9.09	37.48	10.52	37.37	10.97	37.33	12.02	37.24
13.46	37.12	13.8	37.09	14.52	37.03	14.78	37.01
15.15	36.98	15.48	36.96	15.79	36.94	16.1	36.91
16.53	36.89	16.74	36.87	16.88	36.85	17.32	36.84
17.55	36.82	18.09	36.78	19.57	36.67	20.61	36.62
20.82	36.6	20.98	36.59	21.58	36.55	21.7	36.54
21.99	36.52	22.15	36.51	22.28	36.5	22.43	36.49
22.71	36.47	22.72	36.47	22.87	36.46	23.11	36.44
23.49	36.42	23.64	36.41	23.85	36.4	23.9	36.39
24.24	36.37	24.43	36.36	25.12	36.32	25.3	36.31
25.82	36.28	25.95	36.27	26.17	36.26	26.41	36.24
26.89	36.21	26.98	36.2	28.63	36.03	28.79	36.03
29.72	35.99	31.73	35.81	32.56	35.72	33.55	35.63
34.2	35.57	34.48	35.55	34.69	35.53	34.83	35.52
35.08	35.5	35.19	35.49	35.31	35.48	35.33	35.47
36.5	35.35	37.8	35.12	38.72	35.12	38.95	35.12
40.86	35.34	41.43	35.41	42.2	35.49	46.16	35.94
46.65	36	51.56	36.63	53.74	37	53.8	37.02
59.76	38.49	62.11	39	65.8	39.71	67.34	40.59
70.58	41	71.67	41.24	74.96	42	76.5	42.39

Manning's n Values
 Sta n Val Sta n Val Sta n Val
 0 .045 36.5 .035 40.86 .045

Bank Sta: Left Right Lengths: Left channel Right
 36.5 40.86 33.55 35.02 35.8

CROSS SECTION
 RIVER: Innominado
 REACH: superior RS: 697.415

INPUT Description: Station Elevation Data num= 66

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	36.72	36.7	3.43	36	6.1	35.75	6.18
							35.75

tarifa
 DILIGENCIA: Para hacer constar que el presente documento se somete a información pública para cumplimentar lo requerido por la Delegación Territorial de la Consejería de Agricultura, Pesca y Medio Ambiente en su oficio de fecha 21 FEB 2017
 TARIFA a 3 ABR 2017
 EL SECRETARIO

EXCMO. AYUNTAMIENTO DE TARIFA
 SECRETARIA

EXCMO. AYUNTAMIENTO DE TARIFA
 SECRETARIA

EXCMO. AYUNTAMIENTO DE TARIFA
 SECRETARIA



DILIGENCIA: Para hacer constar que el presente documento se somete a información pública para cumplimentar lo requerido por la Delegación Territorial de la Consejería de Agricultura, Pesca y Medio Ambiente en su oficio de fecha 21 FEB 2017
 TARIFA a 3 ABR 2017
 EL SECRETARIO



Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
14.56	35	15.18	34.94	15.48	34.92	15.55	34.91
16.76	34.81	16.98	34.79	17.78	34.72	18.11	34.7
19.25	34.61	20.36	34.52	20.59	34.5	20.85	34.48
25.25	34.12	25.69	34.08	25.71	34.08	25.74	34.08
25.9	34.07	25.83	34.07	25.86	34.07	25.9	34.06
26.09	34.05	26.6	34	27.74	33.79	27.9	33.76
28.17	33.71	28.3	33.69	28.48	33.65	28.72	33.62
29.13	33.55	30.09	33.4	30.77	33.37	30.78	33.37
33.12	33.12	34.78	33.25	36.24	33.36	37.59	33.45
43.69	34	43.71	34	47.99	34.52	50.13	34.77
55.54	35.47	58.26	35.85	58.96	35.94	59.31	36
66.08	37	66.84	37.12	69.17	37.49	72.31	38
76.33	38.73						

Manning's n Values
 Sta n Val Sta n Val Sta n Val
 0 .045 30.77 .035 34.78 .045

Bank Sta: Left Right Lengths: Left channel Right
 30.77 34.78 43.5 41.33 39.58

CROSS SECTION
 RIVER: Innominado
 REACH: superior RS: 656.082

INPUT Description: Station Elevation Data num= 127

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	34.42	21	34.39	33	34.37	43	34.36
.84	34.3	1.19	34.25	1.26	34.24	1.33	34.23
1.76	34.17	2.04	34.13	2.08	34.13	2.1	34.12
2.14	34.12	2.95	34	4.15	33.83	4.31	33.8
4.62	33.75	4.84	33.72	5	33.7	5.02	33.7
5.18	33.67	5.25	33.66	5.33	33.65	5.4	33.64
6.15	33.54	7.17	33.41	7.33	33.39	7.97	33.29
8.52	33.22	8.83	33.17	9.14	32.13	9.51	33.06
9.916	33	9.93	33	9.98	32.99	10.14	32.97
10.43	32.93	10.57	32.92	10.71	32.9	10.84	32.88
10.98	32.87	11.1	32.85	11.23	32.84	11.34	32.83
11.48	32.81	11.88	32.8	11.66	32.79	11.95	32.78
12.13	32.76	12.27	32.74	12.47	32.73	13	32.67
13.19	32.66	13.35	32.64	13.66	32.62	13.92	32.59
15.1	32.47	15.68	32.42	15.88	32.41	17.15	32.29
17.44	32.22	17.67	32.26	19.14	32.13	19.46	32.09
20.42	32	20.57	31.99	21.15	31.94	21.63	31.9
27.62	31.33	28.79	31.22	28.87	31.21	28.98	31.2
29.12	31.19	29.24	31.18	29.35	31.17	29.37	31.17
29.49	31.16	29.54	31.15	29.59	31.15	29.64	31.15
29.9	31.12	30.02	31.12	30.15	31.11	31.05	31
33.42	30.82	33.72	30.82	34.7	30.86	35.83	30.9
37.87	31	40.63	31.28	44.8	31.76	46.5	31.95
47.15	32.04	53.62	33	59.64	33.88	60.49	34
67.5	35	70.39	35.47	73.28	36	78.06	36.9
78.99	37.14	80.93	37.7				

Manning's n Values
 Sta n Val Sta n Val Sta n Val
 0 .045 31.69 .035 35.83 .045

Bank Sta: Left Right Lengths: Left channel Right
 31.69 35.83 38.68 39.41 39.77

CROSS SECTION
 RIVER: Innominado
 REACH: superior RS: 616.672

INPUT Description: Station Elevation Data num= 126

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	31.87	.25	31.85	.27	31.85	.51	31.83
.76	31.81	.98	31.79	1.19	31.77	1.23	31.77
1.29	31.77	1.51	31.75	1.55	31.75	1.59	31.74
1.85	31.72	2.06	31.7	2.11	31.7	2.16	31.69
2.37	31.67	2.46	31.67	2.65	31.65	2.74	31.64
2.89	31.63	2.98	31.62	3.05	31.61	3.15	31.61
3.3	31.55	3.4	31.59	3.47	31.58	3.54	31.57
3.71	31.56	3.78	31.55	3.85	31.55	3.92	31.55
4.18	31.52	4.26	31.51	4.34	31.51	4.42	31.5
4.57	31.49	4.64	31.49	4.7	31.48	4.77	31.47
4.96	31.46	5.09	31.45	5.23	31.43	5.62	31.39
6.28	31.32	7.03	31.24	7.16	31.22	7.18	31.22
8.61	31.04	8.9	31	10.35	30.79	10.43	30.78
11.7	30.6	11.82	30.58	12.13	30.54	12.9	30.43
13.87	30.3	14.29	30.24	14.92	30.16	15.69	30.06
16.16	30	16.44	29.99	16.99	29.96	17.51	29.93
18.13	29.9	18.37	29.89	18.93	29.87	19.02	29.86
19.19	29.85	21.88	29.74	22.04	29.73	22.08	29.73
22.39	29.72	22.55	29.71	24.38	29.62	27.7	29.42
32.14	29	36.67	28.95	40.57	28.94	41.3	28.93
42.81	28.92	43.22	28.93	43.33	28.93	43.83	28.94
45.36	28.96	45.96	28.98	47.03	29	48.38	29.15
51.79	29.64	52.71	29.78	53.94	30	56.2	30.42
63.15	31.7	64.69	32	65.36	32.15	69.41	33
73.59	34	76.1	34.56	77.64	35	79.61	35.49
82.22	36.15						

Manning's n Values
 Sta n Val Sta n Val Sta n Val
 0 .045 40.57 .035 43.83 .045

Bank Sta: Left Right Lengths: Left channel Right
 40.57 43.83 39.17 40.42 41.41

CROSS SECTION
 RIVER: Innominado
 REACH: superior RS: 576.256

INPUT Description: Station Elevation Data num= 45

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	31.81	1.49	31.54	4.47	31	9.49	30.09
12.08	29.62	15.06	29.08	15.47	29	28.88	28.05
29.61	28	30.39	27.94	30.85	27.9	31.26	27.87
31.73	27.83	31.97	27.82	32.2	27.8	32.42	27.78
32.75	27.76	32.9	27.75	33.04	27.74	33.18	27.73
33.44	27.1	33.85	27.69	34.22	27.66	34.55	27.64
39.05	27.46	40.97	27.53	46.2	27.71	53.37	28
62.57	29	65.52	29.89	67.05	30	67.56	30.12
76.38	31.79	77.67	32	78.71	32.18	79.87	32.38

Manning's n Values
 Sta n Val Sta n Val Sta n Val
 0 .045 37.19 .035 40.97 .045

Bank Sta: Left Right Lengths: Left channel Right
 37.19 40.97 21.69 21.7 21.6

CROSS SECTION
 RIVER: Innominado

REACH: superior RS: 554.557

INPUT Description: Station Elevation Data num= 85 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values Sta n Val Sta n Val Sta n Val Bank Sta: Left Right Lengths: Left Channel Right

CROSS SECTION RIVER: Innominado REACH: superior RS: 535.806

INPUT Description: Station Elevation Data num= 119 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values Sta n Val Sta n Val Sta n Val Bank Sta: Left Right Lengths: Left Channel Right

CROSS SECTION RIVER: Innominado REACH: superior RS: 514.322

INPUT Description: Station Elevation Data num= 186 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values Sta n Val Sta n Val Sta n Val Bank Sta: Left Right Lengths: Left Channel Right

CROSS SECTION RIVER: Innominado REACH: superior RS: 497.047

INPUT Description: Station Elevation Data num= 101 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

tarifa... 27 SET. 2016... EL SECRETARIO DEL AYUNTAMIENTO



AGENCIA: Para hacer constar que el presente documento... TARIFA a 3 ABR. 2017... EL SECRETARIO



Table with 12 columns: Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev

Manning's n Values Sta n Val Sta n Val Sta n Val Bank Sta: Left Right Lengths: Left Channel Right

CROSS SECTION RIVER: Innominado REACH: superior RS: 475.941

INPUT Description: Station Elevation Data num= 162 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values Sta n Val Sta n Val Sta n Val Bank Sta: Left Right Lengths: Left Channel Right

CROSS SECTION RIVER: Innominado REACH: superior RS: 456.031

INPUT Description: Station Elevation Data num= 105 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values Sta n Val Sta n Val Sta n Val Bank Sta: Left Right Lengths: Left Channel Right

CROSS SECTION RIVER: Innominado REACH: superior RS: 435.143

INPUT Description: Station Elevation Data num= 69 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

tarifa
69.26 25.9 69.71 26 71.62 26.57 71.99 26.68 73.22
76.58 27.47 77.72 27.63 80.21 28 80.53 28.18

Manning's n Values
Sta n Val Sta n Val Sta n Val
0 .045 39.55 .035 43.43 .045

Bank Sta: Left Right Lengths: Left channel Right
39.55 43.43 16.92 17.43 17.97

CROSS SECTION
RIVER: Innominado
REACH: superior RS: 417.714

INPUT Description: Station Elevation Data

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	26.97	7.62	25.5	10.72	24.87	18.08	23.63	20.72	23.36
15.2	23	16.62	22.85	19.83	22.49	23.73	22.07	25.08	21.92
25.86	21.83	35.51	20.87	40.68	20.77	52.16	22	65.67	24

Manning's n Values
Sta n Val Sta n Val Sta n Val
0 .045 37.89 .035 41.72 .045

Bank Sta: Left Right Lengths: Left channel Right
37.89 41.72 22.31 22.68 22.96

CROSS SECTION
RIVER: Innominado
REACH: superior RS: 395.035

INPUT Description: Station Elevation Data

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	25.92	6.8	24.47	15.2	23	16.62	22.85	19.83	22.49
23.73	22.07	25.08	21.92	25.86	21.83	35.51	20.87	40.68	20.77
52.16	22	65.67	24						

Manning's n Values
Sta n Val Sta n Val Sta n Val
0 .045 36.44 .035 40.55 .045

Bank Sta: Left Right Lengths: Left channel Right
36.44 40.55 20.09 20.38 20.67

CROSS SECTION
RIVER: Innominado
REACH: superior RS: 374.659

INPUT Description: Station Elevation Data

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	24.96	9.84	22.94	19.03	21.66	21.87	21.42	25.88	21.03
33.14	20.38	37.58	20	42.91	19.95	47.62	20.42	56.97	21.91
67.69	24	76.57	26.09						

Manning's n Values
Sta n Val Sta n Val Sta n Val
0 .05 38.7 .4 42.89 .05

Bank Sta: Left Right Lengths: Left channel Right
38.7 42.89 20.2 20.28 20.33

CROSS SECTION
RIVER: Innominado
REACH: superior RS: 354.377

INPUT Description: Station Elevation Data

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	24.21	8.84	22.51	13.6	21.68	18.58	20.89	20.09	20.74
21.91	20.27	22.86	20.48	23.43	20.42	23.97	20.38	28.39	20
36.02	19.38	40.55	19.1	43.3	19.03	46.49	19.33	56.51	21
69.84	24	78	26						

Manning's n Values
Sta n Val Sta n Val Sta n Val
0 .05 33.55 .4 37.67 .05

Bank Sta: Left Right Lengths: Left channel Right
33.55 37.67 20.4 20.4 20.4

DILIGENCIA -
Inicialmente por el Excmo. Ayuntamiento de Tarifa en sesión celebrada el día 27-SET. 2016 (Artículo 120.5 del Reglamento de Planeamiento Urbanístico).
EL SECRETARIO DEL AYUNTAMIENTO



DILIGENCIA: Para hacer constar que el presente documento se somete a información pública para cumplimentar lo requerido por la Delegación Territorial de la Consejería de Agricultura, Pesca y Medio Ambiente en su oficina de fecha 21 FEB 2017.



tarifa
0 .05 40.53 .4 44.32 .05

Bank Sta: Left Right Lengths: Left channel Right
40.53 44.32 19.41 19.64 19.79

CROSS SECTION
RIVER: Innominado
REACH: superior RS: 334.743

INPUT Description: Station Elevation Data

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	24.01	9.54	22.54	21.27	20.21	32.26	19	44.28	18.64
55.32	20.76	61.29	22	69.66	24.1	75.04	25.52		

Manning's n Values
Sta n Val Sta n Val Sta n Val
0 .05 39.71 .4 44.25 .05

Bank Sta: Left Right Lengths: Left channel Right
39.71 44.25 19.59 19.5 18.97

CROSS SECTION
RIVER: Innominado
REACH: superior RS: 315.248

INPUT Description: Station Elevation Data

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	25.25	3.34	24	13.69	21.08	17.53	20	18.6	19.8
24.87	18.8	27.8	18.38	32.94	17.74	39.26	18.8	46.06	18.85
59.54	21.48	62.86	22.12	69.23	23.5	73.24	24.89		

Manning's n Values
Sta n Val Sta n Val Sta n Val
0 .05 33.72 .4 37.82 .05

Bank Sta: Left Right Lengths: Left channel Right
33.72 37.82 19.95 19.67 19.29

CROSS SECTION
RIVER: Innominado
REACH: superior RS: 295.581

INPUT Description: Station Elevation Data

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	24.46	7.03	22.4	12.69	21	16.83	19.71	27.01	17.63
33.97	16.52	36.13	16.72	47.64	18.01	50.55	18.56	52.61	18.94
60.15	20.27	61.11	20.44	62.68	20.71	64.29	20.97	65.84	21.16
72.61	23								

Manning's n Values
Sta n Val Sta n Val Sta n Val
0 .05 32.13 .4 36.13 .05

Bank Sta: Left Right Lengths: Left channel Right
32.13 36.13 22.27 20.94 19.03

CROSS SECTION
RIVER: Innominado
REACH: superior RS: 274.643

INPUT Description: Station Elevation Data

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	22.84	8.84	22.51	13.6	21.68	18.58	20.89	20.09	20.74
21.91	20.27	22.86	20.48	23.43	20.42	23.97	20.38	28.39	20
36.02	19.38	40.55	19.1	43.3	19.03	46.49	19.33	56.51	21
69.84	24	78	26						

Manning's n Values
Sta n Val Sta n Val Sta n Val
0 .05 33.55 .4 37.67 .05

Bank Sta: Left Right Lengths: Left channel Right
33.55 37.67 20.4 20.4 20.4

33.55 37.67 21.17 20.16 19.05 .1 tarifa .3

CROSS SECTION RIVER: Inoninado REACH: superior RS: 254.479

INPUT Description: Station Elevation Data num= 124 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values num= 3 Sta n Val Sta n Val Sta n Val Bank Sta: Left Right Lengths: Left channel Right Coeff Contr. Expan.

CROSS SECTION RIVER: Inoninado REACH: superior RS: 235.222

INPUT Description: Station Elevation Data num= 67 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values num= 3 Sta n Val Sta n Val Sta n Val Bank Sta: Left Right Lengths: Left channel Right Coeff Contr. Expan.

CROSS SECTION RIVER: Inoninado REACH: superior RS: 215.711

INPUT Description: Station Elevation Data num= 122 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values num= 3 Sta n Val Sta n Val Sta n Val Bank Sta: Left Right Lengths: Left channel Right Coeff Contr. Expan.

CROSS SECTION RIVER: Inoninado REACH: superior RS: 195.639

INPUT Description: Station Elevation Data num= 65 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

EXCMO. AYUNTAMIENTO DE TARIFA... 2-7-SET. 2016... (Artículo 120.4 del Reglamento de Planeamiento Urbanístico)... EL SECRETARIO DEL AYUNTAMIENTO



DILIGENCIA: Para hacer constar que el presente documento se somete a información pública para cumplimentar lo requerido por la Delegación Territorial de la Consejería de Agricultura, Pesca y Medio Ambiente en su oficio de fecha 21 FEB 2017... TARIFA a 3 ABR 2017... EL SECRETARIO



62.78 15.76 63.71 16 64.57 16.22 66.98 16.84 67.6 17 67.68 17.02 68.6 17.27 71.32 18 72.48 18.31 75.21 19 78.76 19.83 79.41 20 80.44 20.29 82.97 21 83.74 21.22

Manning's n Values num= 3 Sta n Val Sta n Val Sta n Val Bank Sta: Left Right Lengths: Left channel Right Coeff Contr. Expan.

CROSS SECTION RIVER: Inoninado REACH: superior RS: 175.516

INPUT Description: Station Elevation Data num= 182 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values num= 3 Sta n Val Sta n Val Sta n Val Bank Sta: Left Right Lengths: Left channel Right Coeff Contr. Expan.

CROSS SECTION RIVER: Inoninado REACH: superior RS: 154.810

INPUT Description: Station Elevation Data num= 120 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values num= 3 Sta n Val Sta n Val Sta n Val Bank Sta: Left Right Lengths: Left channel Right Coeff Contr. Expan.

CROSS SECTION RIVER: Inoninado REACH: superior RS: 135.038

INPUT Description: Station Elevation Data num= 171 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

CULVERT

RIVER: Innominado
REACH: superior RS: 35

INPUT
Description: PASO SOBRE CALLE BATALLA DEL SALADO
Distance from Upstream XS = 3.01
Deck/Roadway Width = 12.99
Weir coefficient = 1.44
Upstream Deck/Roadway coordinates

Table with columns: num=3, Sta, HI, Cord, Lo, Cord. Values: 30.61, 12.51, 9, 64, 12.7, 9, 76.48, 13, 9

Upstream Bridge Cross Section Data

Station Elevation Data table with columns: Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev. Multiple rows of elevation data.

Manning's n Values table with columns: Sta, n Val, Sta, n Val, Sta, n Val. Values: 0, .06, 58.28, .045, 62.39, .06

Bank Sta: Left Right Coeff Contr. Expan.
58.28 62.39 .3 .5

Ineffective Flow Permanent
Sta L Sta R Elev Y
0 58.25 12.6 Y
62.5 159.99 12.6 Y

Left Levee Station= 49.25 Elevation= 12.5

Downstream Deck/Roadway coordinates
num=2
Sta HI Cord Lo Cord Sta HI Cord Lo Cord
40.92 12.28 8 48.08 12.44 8

Downstream Bridge Cross Section Data

Station Elevation Data table with columns: Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev. Multiple rows of elevation data.

Manning's n Values table with columns: Sta, n Val, Sta, n Val, Sta, n Val. Values: 0, .06, 40.92, .045, 48.08, .06

Bank Sta: Left Right Coeff Contr. Expan.
40.92 48.08 .1 .3

Upstream Embankment side slope = 0 horiz. to 1.0 vertical
Downstream Embankment side slope = 0 horiz. to 1.0 vertical
Maximum allowable submergence for weir flow = .95
Elevation at which weir flow begins =
Energy head used in spillway design =
Spillway height used in design = broad crested
Weir crest shape =

Number of Culverts = 1
Culvert Name shape Rise Span
PASO 1 Conspan Arch 1.7 2

FEMA Chart # 60 - Span/Rise ratio approximate 2:1
FEMA Scale # 1 - 0 degree wing wall angle
Solution Criteria = Highest U.S. Eg
Culvert Upstrn Dist Length Top n Bottom n Depth Blocked Entrance Loss Coef Exit Loss Coef
3.01 12.99 .015 .015 0 .5 1

Upstream Elevation = 9.2
Centerline Station = 60.27
Downstream Elevation = 8.94
Centerline Station = 44.63

CROSS SECTION

RIVER: Innominado
REACH: superior RS: 25.786

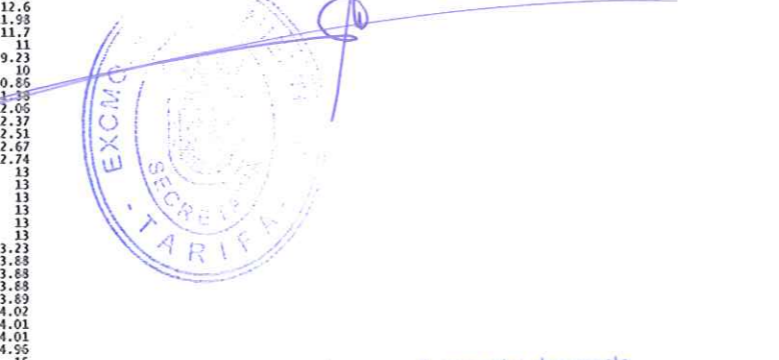
INPUT
Description:
Station Elevation Data num=80

Table with columns: Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev. Values: 0, 12.21, 3.73, 12.17, 5.33, 12.13, 5.39, 12.12, 6.05, 12.08

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EXCMO. AYUNTAMIENTO DE TARIFA
Acta de la Sesión celebrada el día 27-SET-2016
Anexo 1

El Reglamento de Manejamiento Urbanístico.
EL SECRETARIO DEL AYUNTAMIENTO



DILIGENCIA: Para hacer constar que el presente documento se somete a información pública para cumplimentar lo requerido por la Delegación Territorial de la Consejería de Agricultura, Pesca y Medio Ambiente en su oficio de fecha 21 FEB 2017.
TARIFA, a 3 ABR 2017
EL SECRETARIO



Table with columns: Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev. Values: 47.3, 8.92, 48.08, 12.44, 50.8, 12.58, 53.55, 12.69, 54.93, 12.74

Manning's n Values table with columns: Sta, n Val, Sta, n Val, Sta, n Val. Values: 0, .06, 40.92, .045, 48.08, .06

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan.
40.92 48.08 21.34 25.79 .1 .3

SUMMARY OF MANNING'S N VALUES

Table with columns: Reach, River Sta., n1, n2, n3. Lists Manning's n values for various reaches.

SUMMARY OF REACH LENGTHS

Table with columns: Reach, River Sta., Left channel, Right. Lists reach lengths for various reaches.

SUMMARY OF CONTRACTION AND EXPANSION COEFFICIENTS

Table with columns: Reach, River Sta., Contr., Expan. Lists contraction and expansion coefficients for various reaches.

superior	175.516	.1	.3
superior	154.810	.1	.3
superior	135.098	.1	.3
superior	114.780	.1	.3
superior	94.778	.1	.3
superior	74.522	.1	.3
superior	54.184	.1	.3
superior	42.856	.3	.5
superior	35	culvert	.3
superior	25.786	.1	.3

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DILIGENCIA
 inicialmente en el Ayuntamiento de Tarifa en sesión celebrada el **27 SEI. 2016** (Artículo 190 del Reglamento de Planeamiento Urbanístico).

EL SECRETARIO DEL AYUNTAMIENTO


DILIGENCIA: Para hacer constar que el presente documento se somete a información pública para cumplimentar lo requerido por la Delegación Territorial de la Consejería de Agricultura, Pesca y Medio Ambiente en su oficio de fecha **21 FEB 2017**
 TARIFA a **3 ABR. 2017**
 EL SECRETARIO

EL SECRETARIO


DILIGENCIA.

Inicialmente por el Excmo. Ayuntamiento de Tarifa en sesión celebrada el día **27 SET. 2016** (Artículo 19 del Reglamento de Planeamiento Urbanístico).

EL SECRETARIO DEL AYUNTAMIENTO




A circular blue stamp with the text 'AYUNTAMIENTO DE TARIFA' around the perimeter and 'SECRETARIO' in the center. A blue ink signature is written across the stamp.

DILIGENCIA: Para hacer constar que el presente documento se somete a información pública para cumplimentar lo requerido por la Delegación Territorial de la Consejería de Agricultura, Pesca y Medio Ambiente en su oficina de fecha **21 FEB. 2017**

TARIFA a **3 ABR. 2017**

EL SECRETARIO



A circular blue stamp with the text 'EXCMO. AYUNTAMIENTO DE TARIFA' around the perimeter and 'SECRETARIO' in the center. A blue ink signature is written across the stamp.

SALIDA DE INFORME DE CÁLCULO DEL PROGRAMA HEC-RAS 3.1.3

ESCENARIO ESTADO FUTURO

REACH: superior RS: 554.557

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INPUT Description: Station Elevation Data num= 85 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values Bank Sta: Left Right Lengths: Left channel Right Coeff Contr. Expan.

CROSS SECTION

RIVER: Innominado REACH: superior

RS: 535.806

INPUT Description: Station Elevation Data num= 119 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values Bank Sta: Left Right Lengths: Left channel Right Coeff Contr. Expan.

CROSS SECTION

RIVER: Innominado REACH: superior

RS: 514.322

INPUT Description: Station Elevation Data num= 186 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values Bank Sta: Left Right Lengths: Left channel Right Coeff Contr. Expan.

CROSS SECTION

RIVER: Innominado REACH: superior

RS: 497.047

INPUT Description: Station Elevation Data num= 101 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Comunicado: Se informa que el Excmo. Ayuntamiento de Tarifa... (Official notice regarding municipal matters)



AGENCIA: Para hacer constar que el presente documento... (Official notice regarding public information and environmental matters)



Table with 13 columns: Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev. Contains numerical data for a reach section.

Manning's n Values Bank Sta: Left Right Lengths: Left channel Right Coeff Contr. Expan.

CROSS SECTION

RIVER: Innominado REACH: superior

RS: 475.941

INPUT Description: Station Elevation Data num= 162 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values Bank Sta: Left Right Lengths: Left channel Right Coeff Contr. Expan.

CROSS SECTION

RIVER: Innominado REACH: superior

RS: 456.031

INPUT Description: Station Elevation Data num= 105 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values Bank Sta: Left Right Lengths: Left channel Right Coeff Contr. Expan.

CROSS SECTION

RIVER: Innominado REACH: superior

RS: 435.143

INPUT Description: Station Elevation Data num= 69 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

69.26 25.9 69.71 26 71.62 26.57 71.99 26.68 73.22
76.58 27.47 77.72 27.63 80.21 28 80.53 28.18

Manning's n Values
Sta n Val Sta n Val
0 .045 39.55 .035 43.43 .045

Bank Sta: Left Right Lengths: Left channel Right
39.55 43.43 16.92 17.43 17.97

CROSS SECTION

RIVER: Innominado
REACH: superior RS: 417.714

INPUT Description: Station Elevation Data num= 58 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values
Sta n Val Sta n Val
0 .045 37.89 .035 41.72 .045

Bank Sta: Left Right Lengths: Left channel Right
37.89 41.72 22.31 22.68 22.96

CROSS SECTION

RIVER: Innominado
REACH: superior RS: 395.035

INPUT Description: Station Elevation Data num= 60 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values
Sta n Val Sta n Val
0 .045 36.44 .035 40.55 .045

Bank Sta: Left Right Lengths: Left channel Right
36.44 40.55 20.09 20.38 20.67

CROSS SECTION

RIVER: Innominado
REACH: superior RS: 374.659

INPUT Description: Station Elevation Data num= 88 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values
Sta n Val Sta n Val
0 .05 38.7 .4 42.89 .05

Bank Sta: Left Right Lengths: Left channel Right
38.7 42.89 20.2 20.28 20.33

CROSS SECTION

RIVER: Innominado
REACH: superior RS: 354.377

INPUT Description: Station Elevation Data num= 104 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values
Sta n Val Sta n Val
0 .05 33.55 .4 37.67 .05

Bank Sta: Left Right Lengths: Left channel Right
33.55 37.67 22.27 20.94 19.08

CROSS SECTION

Actualmente por el Excmo. Ayuntamiento de Tarifa...
27 SET. 2016
Reglamento de Planeamiento Urbanístico.
EL SECRETARIO DEL AYUNTAMIENTO



DILIGENCIA: Para hacer constar que el presente documento se somete a información pública para cumplimentar lo requerido por la Delegación Territorial de la Consejería de Agricultura, Pesca y Medio Ambiente en su oficina de fecha 21 FEB. 2017
TARIFA, a 3 ABR. 2017
EL SECRETARIO



0 .05 40.53 .4 44.32 .05

Bank Sta: Left Right Lengths: Left channel Right
40.53 44.32 19.41 19.64 19.79

CROSS SECTION

RIVER: Innominado
REACH: superior RS: 334.743

INPUT Description: Station Elevation Data num= 45 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values
Sta n Val Sta n Val
0 .05 39.71 .4 44.25 .05

Bank Sta: Left Right Lengths: Left channel Right
39.71 44.25 19.59 19.5 18.97

CROSS SECTION

RIVER: Innominado
REACH: superior RS: 315.248

INPUT Description: Station Elevation Data num= 90 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values
Sta n Val Sta n Val
0 .05 33.72 .4 37.82 .05

Bank Sta: Left Right Lengths: Left channel Right
33.72 37.82 19.95 19.67 19.29

CROSS SECTION

RIVER: Innominado
REACH: superior RS: 295.581

INPUT Description: Station Elevation Data num= 114 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values
Sta n Val Sta n Val
0 .05 32.13 .4 36.13 .05

Bank Sta: Left Right Lengths: Left channel Right
32.13 36.13 22.27 20.94 19.08

CROSS SECTION

RIVER: Innominado
REACH: superior RS: 274.643

INPUT Description: Station Elevation Data num= 73 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values
Sta n Val Sta n Val
0 .05 33.55 .4 37.67 .05

Bank Sta: Left Right Lengths: Left channel Right
33.55 37.67 22.27 20.94 19.08

CROSS SECTION

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33.55 37.67 21.17 20.16 19.05 .1 tarifa .3

CROSS SECTION RIVER: Innominado REACH: superior RS: 254.479

INPUT Description: Station Elevation Data num= 124 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values Sta n Val Sta n Val Sta n Val Sta n Val Sta n Val

CROSS SECTION RIVER: Innominado REACH: superior RS: 235.222

INPUT Description: Station Elevation Data num= 67 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values Sta n Val Sta n Val Sta n Val Sta n Val Sta n Val

CROSS SECTION RIVER: Innominado REACH: superior RS: 215.711

INPUT Description: Station Elevation Data num= 122 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values Sta n Val Sta n Val Sta n Val Sta n Val Sta n Val

CROSS SECTION RIVER: Innominado REACH: superior RS: 195.639

INPUT Description: Station Elevation Data num= 65 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Excmo. Ayuntamiento de Tarifa... 2-7-SET-2016... (Artículo 126...)



DILIGENCIA: Para hacer constar que el presente documento se somete a información pública para cumplimentar lo requerido por la Delegación Territorial de la Consejería de Agricultura, Pesca y Medio Ambiente en su oficina de fecha 2-1-FEB-2017... TARIFA, a 3-3-ABR-2017... EL SECRETARIO



62.78 15.76 63.71 16 64.57 16.22 65.98 16.84 67.6 17.19 67.68 17.02 68.6 17.27 71.32 18 72.48 18.31 75.21 19 78.76 19.83 79.41 20 80.44 20.29 82.97 21 83.74 21.22

Manning's n Values num= 3 Sta n Val Sta n Val Sta n Val

CROSS SECTION RIVER: Innominado REACH: superior RS: 175.516

INPUT Description: Station Elevation Data num= 182 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values num= 3 Sta n Val Sta n Val Sta n Val

CROSS SECTION RIVER: Innominado REACH: superior RS: 154.810

INPUT Description: Station Elevation Data num= 120 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev

Manning's n Values num= 3 Sta n Val Sta n Val Sta n Val

CROSS SECTION RIVER: Innominado REACH: superior RS: 135.038

INPUT Description: Station Elevation Data num= 171 Sta Elev Sta Elev Sta Elev Sta Elev Sta Elev