

96.76	15.8	96.98	15.82	97.06	15.83	97.13	15.84	97.19	15.85
97.25	15.85	97.3	15.86	97.35	15.87	97.36	15.87	97.37	15.91
98.59	16	102.03	16.41	102.05	16.41	102.08	16.41	102.02	16.73
105.05	16.73	105.08	16.73	105.1	16.73	105.12	16.74	105.15	16.74
105.17	16.74	105.21	16.75	105.27	16.75	105.31	16.76	105.36	16.76
105.41	16.77	105.64	16.8	105.68	16.8	105.72	16.8	105.76	16.81
105.79	16.81	105.83	16.81	106.1	16.84	106.19	16.85	106.21	16.86
106.3	16.87	106.39	16.88	106.42	16.88	106.51	16.89	106.53	16.89
106.66	16.91	106.69	16.91	106.7	16.91	106.73	16.91	106.79	17
107.44	17	107.5	17	107.59	17	107.66	17	107.69	17.01
107.63	17	107.66	17	107.69	17	107.7	17	107.79	17.01
107.88	17.02	107.97	17.03	108.03	17.04	108.04	17.05	108.11	17.06
108.12	17.06	108.2	17.07	108.27	17.08	108.29	17.08	108.36	17.09
108.38	17.07	108.46	17.1	108.5	17.11	108.51	17.11	108.54	17.11
108.57	17.12	108.78	17.15	108.81	17.16	108.85	17.16	108.86	17.16
108.9	17.17	108.95	17.17	109	17.18	109.2	17.22	109.26	17.23
109.91	17.34								

Manning's n Values
Sta n Val Sta n Val
0 .05 51 54.05

Bank Sta: Left Right Lengths: Left channel Right
51 54.05 20.4 20.32
Left Levee Station= 51 Elevation= 14.75

CROSS SECTION

RIVER: Innoninado
REACH: superior RS: 114.780

INPUT Description: Station Elevation Data num= 110

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	17.56	9.71	17.35	9.91	17.31	10.15	17.4	10.23	17.28
10.88	17.38	11.29	17.38	19.95	16.8	46.03	15	46.42	14.62
46.83	14.44	47.7	14	48.76	13.22	49.02	13	49.24	12.65
49.73	12	50.21	11.97	51.48	11.88	53.42	11.75	55.11	11.91
55.28	11.93	56.2	12	56.24	12	58.62	12	59.01	12
59.36	12	59.66	12	72.09	12.42	73.32	12.46	77.44	12.63
80.13	12.65	80.19	12.65	80.54	12.65	86.11	13	87.23	13.14
88.59	13.31	92.69	14	92.72	14	92.75	14	92.77	14
92.81	14	92.83	14	92.83	14	92.93	14	92.96	14
94.85	14.3	95.14	14.34	95.17	14.34	95.26	14.35	95.34	14.37
95.43	14.38	95.51	14.39	95.59	14.4	95.66	14.41	95.96	14.46
99.02	15	99.12	15	99.14	15	99.16	15	99.18	15
99.2	15	99.2	15	99.23	15	99.27	15	99.27	15
100.48	15.2	100.54	15.21	100.61	15.22	100.68	15.23	100.76	15.24
100.86	15.25	101.33	15.31	101.38	15.32	101.53	15.34	101.7	15.35
101.89	15.39	102.17	15.42	102.53	15.47	102.99	15.53	103.25	15.57
103.82	15.65	105.62	15.89	105.91	15.93	106.23	15.97	106.46	16
106.6	16.03	106.63	16.04	107.08	16.14	107.45	16.22	107.65	16.27
107.98	16.35	108.25	16.41	108.62	16.5	108.98	16.58	109.5	16.7
110.32	16.9	110.45	16.93	110.74	17	111.33	17.13	111.46	17.16
112.22	17.32	112.52	17.4	113.05	17.54	113.52	17.62	113.85	17.69
114.46	17.84	114.56	17.86	115.16	18	115.61	18.1	117.44	18.49

Manning's n Values
Sta n Val Sta n Val
0 .05 51.48

Bank Sta: Left Right Lengths: Left channel Right
51.48 55.28 20.37 20

Left Levee Station= 51.25 Elevation= 14.5

CROSS SECTION

RIVER: Innoninado
REACH: superior RS: 94.778

INPUT Description: Station Elevation Data num= 88

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	15.75	5.7	15.7	2.84	15.48	3.28	15.53	3.63	15.45
9.82	15.53	13.28	15.47	26.29	15.42	42.04	15	43.81	15
47.31	15	47.6	14.76	48.39	14	48.7	13.81	49.05	13
50.32	12.82	51.34	12	52.77	11.75	52.99	11.73	54.88	11.49
56.9	11.6	57.42	11.62	58.19	11.63	58.28	11.63	59.91	11.64
61.91	11.71	69.56	12	69.75	12	69.96	12	70.83	12
71.51	12	71.93	12	72.24	12	76.84	12	77.05	12
77.16	12	77.82	12	78.5	12	79.19	12	85.85	12
85.88	12	85.99	12.01	86	12.01	86.02	12.01	89.18	12.28
89.58	12.32	90.45	12.4	90.56	12.4	90.67	12.41	90.78	12.42
90.88	12.43	90.93	12.43	91.08	12.45	91.3	12.45	91.34	12.47
91.55	12.49	92.15	12.54	92.34	12.56	92.52	12.57	92.54	12.58
93.17	12.63	97.04	13	97.13	13.01	97.22	13.03	100.67	13.54
103.74	14	104.08	14.05	104.1	14.06	104.16	14.07	104.25	14.09
104.8	14.9	106.66	14.33	108.28	14.87	108.5	14.87	108.5	14.91
108.92	15	111.62	15.61	113.36	16	114.88	16.34	117.06	16.82
117.87	17	118.21	17.07	120.37	17.55	121.9	17.89	122.11	17.94
122.38	18	122.98	18.13	123.66	18.32				

Manning's n Values
Sta n Val Sta n Val
0 .06 52.99

Bank Sta: Left Right Lengths: Left channel Right
52.99 56.9 20.77 20.26

Left Levee Station= 52.5 Elevation= 14

CROSS SECTION

RIVER: Innoninado
REACH: superior RS: 74.522

INPUT Description: Station Elevation Data num= 170

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	13.7	2.81	13.8	8.76	13.88	12.44	13.84	12.83	13.82
14.7	13.74	22.22	14	30.67	14	30.82	13.72	31.27	13
31.28	12.5	32	12	35	11.25	36.61	11.25	36.77	11.25
37	11.24	37.22	11.24	37.42	11.23	37.52	11.22	37.71	11.21
38.09	11.2	40	11.13	42.13	11.1	42.3	11.1	42.3	11.1
44.67	11.1	44.7	11.1	44.74	11.1	44.77	11.1	44.81	11.1
44.84	11.1	44.88	11.1	44.91	11.1	46.67	11	47.01	10.98
49.14	10.96	49.78	10.94	50.54	10.92	51.04	10.9	51.58	10.89
52.02	10.88	52.53	10.87	53.26	10.9	53.67	10.9	54.07	10.94
54.17	11	54.78	11.11	55.63	11.27	57.61	11.55	58.32	11.64
58.83	11.73	61.72	12	62.39	12.03	63	12.05	63.16	12.07
66.09	12.18	66.1	12.19	66.11	12.19	66.12	12.19	66.14	12.19
67.97	12.19	68.03	12.19	68.03	12.19	68.03	12.19	68.03	12.19
68.72	12.26	69.24	12.27	69.36	12.27	69.47	12.26	71.15	12.27
71.27	12.26	71.4	12.26	72.1	12.25	72.22	12.24	72.36	12.24
72.51	12.23	72.64	12.22	73.15	12.25	73.29	12.24	73.89	12.26
74.49	12.26	75.11	12.25	75.54	12.24	75.69	12.24	76.13	12.23
76.28	12.22	76.38	12.22	76.52	12.21	76.54	12.21	76.65	12.21
76.71	12.21	76.81	12.21	76.91	12.21	77.37	12.19	79.6	12.19
79.66	12.19	79.72	12.19	79.79	12.19	79.85	12.19	79.91	12.19
79.97	12.19	80	12.19	80.03	12.19	80.03	12.19	80.11	12.19
80.14	12.19	82.37	12.19	82.41	12.19	82.45	12.19	82.48	12.19
82.5	12.19	82.53	12.19	82.56	12.19	82.59	12.18	82.62	12.18
82.95	12.19	82.98	12.19	83.01	12.18	83.04	12.18	83.2	12.18
83.56	12.17	84.09	12.18	84.45	12.17	84.8	12.17	85.35	12.22
87.37	12.22	87.4	12.22	87.42	12.22	87.45	12.22	87.47	12.22

Decreto del Excmo. Ayuntamiento de Tarifa en su sesión celebrada el día 27-SET. 2016 (Artículo 126,8 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



87.5	12.22	87.52	12.22	87.63	12.22	87.81	12.22	89.26	12.23
89.45	12.23	89.54	12.23	89.57	12.23	90.07	12.24	90.1	12.24
91.21	12.26	91.32	12.26	91.44	12.27	91.55	12.27	91.67	12.27
91.73	12.27	91.85	12.27	91.97	12.27	92.06	12.28	92.18	12.28
92.3	12.28	92.38	12.28	92.41	12.28	96.8	12.52	97.87	12.6
99.74	12.76	100.81	12.86	100.86	12.86	102.42	13	105.34	13.56
107.68	14	108.24	14.12	112.73	15	113.1	15.07	113.5	15.14
116.93	15.78	117.95	15.97	118.1	16	122.82	16.93	123.44	16.99

Manning's n Values
Sta n Val Sta n Val
0 .06 49.78

Bank Sta: Left Right Lengths: Left channel Right
49.78 53.67 18.75 20.34

Blocked obstructions num= 1
Sta L Sta R Elev
8.75 31 17

CROSS SECTION

RIVER: Innoninado
REACH: superior RS: 54.184

INPUT Description: Station Elevation Data num= 175

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	13.1	6.23	13.04	6.39	13.03	8.38	13.06	15.05	13.06
17.28	13.13	21.96	13	26.56	13	31.09	13	39.52	12.91
39.66	12.52	39.82	12	40.28	11.04	40.3	11	40.31	11
40.32	11	40.33	11	42	10.23	44.37	10.23	45.03	10.22
45.21	10.22	45.36	10.21	45.81	10.21	45.95	10.18	46.07	10.18
46.19	10.17	46.29	10.17	46.74	10.16	46.79	10.16	46.89	10.16
48.15	10.15	49.72	10.13	49.79	10.12	49.85	10.12	50.36	10.08
50.87	10.06	51.11	10.05	51.21	10.04	51.91	10	51.93	10
52.54	9.95	53.66	9.84	56.12	9.58	56.73	9.68	56.84	9.7
57.02	9.73	57.36	9.79	57.59	9.82	57.79	9.85	58.71	10
60.53	10.54	60.83	10.63	61.25	10.75	61.31	10.77	62.22	11
62.41	11.07	63.91	11.84	64.19	11.98	64.22	12	64.42	12.06
64.48	12.08	64.54	12.1	64.72	12.17	65.54	12.44	67.19	13
67.21	13	67.27	13	67.34	13	67.38	13	67.44	13
67.46	13	67.51	13	67.52	13	67.58	13	67.62	13
67.64	13	67.69	13						

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 3 columns: Sta, HI, Cord. Lo Cord. 9

Station Elevation Data table with columns: 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

Bank Sta: Left, Right, Coeff Contr., Expan.

Ineffective Flow table with columns: Sta L, Sta R, Elev, Permanent

Left Levee table with columns: Station, Elevation

Downstream Deck/Roadway coordinates table with columns: Sta HI, Cord Lo Cord, Sta HI, Cord Lo Cord

Downstream Bridge Cross Section Data table with columns: 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

Bank Sta: Left, Right, Coeff Contr., Expan.

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

Number of Culverts = 1

Culvert Name, Shape, Rise, Span, FWA Chart # 60 - Span/Rise ratio approximate 2:1

CROSS SECTION

RIVER: Innominado REACH: superior RS: 25.786

Station Elevation Data table with columns: Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev

tarifa

DILIGENCIA

aprobado

Inicialmente por el Excmo. Ayuntamiento Se Tarifa en sesion celebrada el dia 27 SET. 2016 (Articulo 126,5

del Reglamento de Planeamiento Urbanistico).

EL SECRETARIO DEL AYUNTAMIENTO



DILIGENCIA: 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 oficina de fecha 21 FEB 2017

TARIFA a 3 ABR. 2017 EL SECRETARIO



Table with columns: Sta, HI, Cord, Sta, HI, Cord, Sta, HI, Cord, Sta, HI, Cord, Sta, HI, Cord

Manning's n Values table with columns: Sta, n Val, Sta, n Val, Sta, n Val

Bank Sta: Left, Right, Lengths: Left channel, Right, Coeff Contr., Expan.

SUMMARY OF MANNING'S N VALUES

Table with columns: Reach, River Sta., n1, n2, n3

SUMMARY OF REACH LENGTHS

Table with columns: Reach, River Sta., Left, Channel, Right

SUMMARY OF CONTRACTION AND EXPANSION COEFFICIENTS

Table with columns: Reach, River Sta., Contr., Expan.

superior	175.516	.1	.3
superior	154.810	.1	.3
superior	135.098	.1	.3
superior	114.760	.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

tarifa

DILIGENCIA
 inicialmente en el Ayuntamiento de Tarifa en sesión celebrada el 27 SET. 2016. (Artículo 126,8 del Reglamento de Planeamiento Urbanístico).

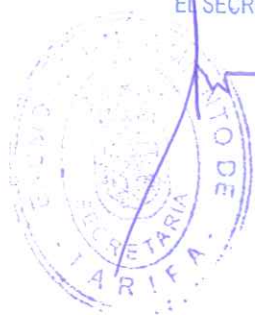
EL SECRETARIO DEL AYUNTAMIENTO



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



DILIGENCIA
Resolución aprobada
totalmente por el Excmo. Ayuntamiento de Tarifa en sesión celebrada el día **27-SET. 2016** (Artículo 128.8 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 **23 ABR. EGR. 2017**.
TARIFA a **23 ABR. EGR. 2017**
EL SECRETARIO



SALIDA DE INFORME DE CÁLCULO DEL PROGRAMA HEC-RAS 3.1.3
ESCENARIO ESTADO FUTURO CON TRASVASE


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X X XXXXXX XXXX XX XXXX
X X X X X X X X X X X
X X X X X X X X X X X
XXXXXXXX XXXX X XXX XXXX XXXXXX XXXX
X X X X X X X X X X X
X X XXXXXX XXXX X X XXXX
    
```

PROJECT DATA
 Project Title: tarifa
 Project File: tarifa.prj
 Run Date and Time: 25/02/2016 17:57:18
 Project in SI units

PLAN DATA
 Plan Title: Plan 10
 Plan File: C:\TARIFA2\tarifa.p10
 Geometry Title: tarifaf
 Geometry File: C:\TARIFA2\tarifa.g03
 Flow Title: tarifaf
 Flow File: C:\TARIFA2\tarifa.f03

Plan Summary Information:
 Number of: Cross Sections = 35 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: tarifaf
 Flow File: C:\TARIFA2\tarifa.f03

River	Reach	RS	10 AÑOS	50 AÑOS	100 AÑOS	500 AÑOS
innominado	superior	732.433	7.48	10.05	11.13	14.68
innominado	superior	235.222	12.75	18.57	20.56	27.1

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: tarifaf
 Geometry File: C:\TARIFA2\tarifa.g03

CROSS SECTION
 RIVER: innominado
 REACH: superior RS: 732.433

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	37.8	37.8	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	36.86	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	39.7	35.12	39.7	35.12
40.86	35.34	41.43	35.41	42.2	35.49	46.16	35.94	46.41	35.97
45.65	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

Sta	n Val	Sta	n Val	Sta	n Val
0	.045	36.5	.035	40.86	.045

Bank Sta: Left 36.5 Right 40.86 Lengths: Left channel 33.55 Right 35.02 Coeff Contr. .1 Expan. .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
0	36.72	14	36.7	3.43	36	6.1	35.75

Page 1

AYUNTAMIENTO DE TARIFA
 Ayuntamiento de Tarifa en sesión celebrada el 27 SET. 2016 (Artículo 126.º del Reglamento de Planeamiento Urbanístico).



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 3 ABR. 2017.



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
25.79	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	33.66	28.72	33.62
29.11	33.55	30.09	33.4	30.77	33.37	30.78	33.37
33.12	33.12	34.78	33.25	36.35	33.36	37.59	33.45
43.69	34	43.71	34	47.93	34.52	50.13	34.77
55.54	35.47	58.26	35.85	58.96	35.94	59.31	36
65.08	37	66.84	37.12	69.17	37.49	72.31	38
76.33	38.73						74.99

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

Bank Sta: Left 30.77 Right 34.78 Lengths: Left channel 41.33 Right 39.58 Coeff Contr. .1 Expan. .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	33.72	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	10.86	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
12.19	32.66	13.25	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	20.54	31.99	21.15	31.94	21.63	31.9	25.86	31.5
27.62	31.33	28.79	31.22	28.87	31.2	29.08	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	30.02	31.12	30.35	31.11	31.05	31	31.69	30.95
31.42	30.87	31.72	30.82	34.7	30.86	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	34.17
67.75	35	70.39	35.47	73.28	36	78.06	36.9	78.51	37
76.99	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 31.69 Right 35.83 Lengths: Left channel 38.68 Right 39.77 Coeff Contr. .1 Expan. .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	31.87	.25	31.85	.27	31.85	.27	31.85	.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	2.06	31.7	2.11	31.7	2.16	31.69	2.36	31.67
2.39	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	3.78	31.55	3.85	31.55	3.92	31.55	3.99	31.54
4.18	31.52	4.26	31.51	4.42	31.4	4.42	31.4	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	16.34	29.99	16.59	29.95	17.51	29.93	17.6	29.93
18.13	29.9	18.37	29.89	18.98	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
61.15	31.7	64.69	32	65.36	32.15	69.41	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
 Sta n Val Sta n Val Sta n Val
 0 .045 40.57 .035 43.83 .045

Bank Sta: Left 40.57 Right 43.83 Lengths: Left channel 39.17 Right 40.42 Coeff Contr. .1 Expan. .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
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	31.76	27.87
31.73	27.83	31.97	27.82	32.2	27.8		

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 Sta n Val

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

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

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

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

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

tarifa

aprobado... del Excmo. Ayuntamiento de Tarifa en sesión celebrada el día 27-SET-2016... del Reglamento de Planeamiento Urbanístico.



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...



Página 3

Table with 10 columns: Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev, Sta, Elev. Values range from 0 to 76.86.

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

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

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

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

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

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

tarifa

Página 4

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

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 24.66 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 23.01 23.11
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 25.06 68.72 25.09 72.01 26
72.14 26.03 72.99 26.19 74.26 26.43

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

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 9.23 24 12.28 23.4 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 22.85
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
23.73 22.07 23.82 22.06 24.34 22 24.45 21.59 24.78 21.95
25.08 21.92 25.37 21.88 25.63 21.85 25.67 21.84 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 38.46 20.67 39.96 20.74 40.55 20.76
40.68 20.7 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 25.68

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

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 4.72 24 7.91 23.34 9.55 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 22.03 15.18 22.01 15.2 22 15.22 22 15.35 21.99
15.5 19.38 15.63 19.35 15.67 19.32 15.81 19.25 15.84 19.25
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 21.99 21.41 23.22 21.25 24.33 21.2 25.82 21.04
25.88 21.03 26.16 21 27 20.66 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 20.42 51.04 21 53.92 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
Sta n Val Sta n Val
0 .05 38.7

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 .8 24.08
.73 24.05 .75 24.05 .77 24.04 .8 24.04 .8 24.03
.81 24.03 .82 24 3.35 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 19.25 20.75 20.68 20.59
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 23.02 20.46 23.17 20.45 23.18 20.45 23.31 20.43
23.43 20.42 23.55 20.41 23.65 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 19.09 40.85 19.08 40.87 19.08 40.88 19.08
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 22.6 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
Sta n Val Sta n Val
0 .05 38.7

aprobado
Iniciamos por el Excmo. Ayuntamiento de Tarifa en sesión celebrada el día 27 SET. 2016. Artículo 128 del Reglamento de Planeamiento Urbanístico).



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 y 3 ABR. 2017.
TARIFA
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
0 24.01 .05 24 3.63 23.47 6.68 23 7.91 22.8
9.58 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
Sta n Val Sta n Val
0 .05 39.71

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 5.2 23.47 6.88 23 9.17 23.35 10.8 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 18.06 19.9 18.14 19.89
18.6 19.8 18.89 19.75 23.35 19 24.03 18.91 24.14 18.9
24.87 18.8 25.13 18.76 25.63 18.69 26.7 18.54 27.31 18.45
27.8 18.38 30.78 18 32.54 17.79 32.66 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
39.96 18 45.2 18.72 45.34 18.74 46.01 18.85 46.02 18.85
46.06 18.85 46.08 18.86 46.1 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 56.98 20.99 57.04 21 58.29 21.24 58.65 21.31
59.54 21.48 59.55 21.56 60.2 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
Sta n Val Sta n Val
0 .05 37.72

Bank Sta: Left Right Lengths: Left channel Right
37.72 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
16.84 19.71 19.95 19 24.78 18.07 25.12 18 26.05 17.82
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 38.89 17 44.28 17.62 46.51 17.87 47.59 18
47.64 18.01 47.68 18.02 49.95 18.45 50.08 18.45 50.18 18.52
50.55 18.56 51.84 18.8 52 18.83 52.16 18.85 52.58 18.93
52.61 18.94 52.97 19 53.45 19.09 54.16 19.21 54.45 19.26
55.06 19.37 55.07 19.37 55.29 19.42 55.79 19.5 56.08 19.56
56.47 19.62 56.76 19.68 57.01 19.72 57.37 19.78 57.61 19.8
57.72 19.85 58.21 19.93 58.28 19.95 58.58 20 58.78 20.03
58.8 20.04 59.33 20.13 59.37 20.14 59.41 20.15 60.08 20.26
60.15 20.27 60.22 20.29 60.75 20.38 60.8 20.39 60.91 20.41
61.13 20.44 61.22 20.46 61.35 20.48 61.28 20.64 62.47 20.67
62.68 20.71 62.79 20.73 63 20.76 63.79 20.89 63.96 20.92
64.29 20.97 64.49 21 65.21 21.11 65.25 21.12 65.3 21.13
65.35 21.14 65.42 21.15 65.84 21.23 65.94 21.25 66.06 21.27
66.24 21.31 66.29 21.32 66.46 21.35 66.52 21.36 66.08 21.47
69.6 21.98 69.62 21.98 69.63 21.98 69.71 22 71.62 22.68
72.61 23 73.81 23.4 74.47 23.6 75.1 23.86

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

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
0 22.84 1.79 22.37 3.14 22 4.69 21.64 7.51 21
11.72 20.03 11.87 20 12.04 19.96 12.47 19.87 12.66 19.78
16.29 18.26 18.64 18.39 19.4 18.39 19.4 18.39 19.4 18.39
21.35 18 27.25 17.04 27.47 17 30.57 16.46 33.12 16
33.55 15.94 33.8 15.91 34.51 15.82 35.79 15.64 37.67 15.88
38.62 16 38.66 16 40.53 16.17 40.58 16.18 40.64 16.18
40.69 16.19 40.75 16.2 40.82 16.2 42.59 16.4 43.09 16.41
43.19 16.42 43.27 16.43 43.39 16.44 43.72 16.47 43.85 16.48
43.98 16.5 44.54 16.55 44.68 16.56 47.38 16.83 47.63 16.85
48.48 16.94 48.53 16.94 48.62 16.95 49.1 17 50.64 17.21
50.8 17.23 51.44 17.32 51.67 17.35 51.95 17.39 52.76 17.5
52.8 17.51 52.95 17.53 53.89 17.67 54.08 17.7 54.24 17.72
55.96 18 55.99 18 56.86 18.21 57.9 18.46 60.18 19
60.84 19.15 64.41 20 66.1 20.4 68.62 21 70.74 21.5
72.83 22 77.44 23 77.81 23.14

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

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

33.55 37.67 21.17 20.16 19.06 .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 num= 3 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 Coeff Contr. Expan. 37.51 41.66 18.9 19.26 19.61 .1 .3

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 num= 3 Sta n Val Sta n Val Sta n Val 0 .05 39.57 .4 43.85 .05

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan. 39.57 43.85 19.18 19.51 19.78 .1 .3

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 num= 3 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 Coeff Contr. Expan. 39.6 43.93 19.5 20.07 20.4 .1 .3

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

El Sr. Secretario del Ayuntamiento de Tarifa, Sr. D. ...

Acta celebrada el día 2-7 SET. 2016 (Artículo 128,5 del Reglamento de Planeamiento Urbanístico).



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 29 FEB. 2017.

TARIFA, a 23 ABR. 2017



62.78 15.76 63.71 16 64.57 16.22 66.98 16.84 67.6 17 tarifa 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 0 .05 42.17 .4 46.23 .05

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan. 42.17 46.23 19.99 20.12 20.05 .1 .3

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 0 .05 45.03 .4 48.96 .05

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan. 45.03 48.96 20.08 20.71 21.68 .1 .3

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 0 .05 55.32 .4 59.27 .05

Bank Sta: Left Right Lengths: Left Channel Right Coeff Contr. Expan. 55.32 59.27 19.6 19.71 19.58 .1 .3

CROSS SECTION RIVER: Innominado REACH: superior RS: 135.098

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

95.76	15.8	96.98	15.82	97.06	15.83	97.13	15.84	97.19	15.87	tarifa
97.25	15.85	97.3	15.86	97.35	15.87	97.36	15.87	97.73	15.91	
98.59	16	102.03	16.41	102.05	16.41	102.08	16.41	105.02	16.73	
105.05	16.73	105.08	16.73	105.1	16.73	105.12	16.74	105.15	16.74	
105.17	16.74	105.21	16.75	105.27	16.75	105.31	16.76	105.36	16.76	
105.41	16.77	105.64	16.8	105.68	16.8	105.72	16.8	105.76	16.81	
105.79	16.81	105.83	16.81	105.1	16.84	105.19	16.85	106.21	16.86	
106.3	16.87	106.39	16.88	106.42	16.88	106.51	16.89	106.53	16.89	
106.65	16.91	106.69	16.91	106.7	16.91	106.71	16.91	107.29	17	
107.44	17	107.5	17	107.53	17	107.56	17	107.6	17	
107.63	17	107.66	17	107.69	17	107.7	17	107.79	17.01	
107.88	17.02	107.97	17.03	108.03	17.04	108.04	17.05	108.11	17.05	
108.12	17.06	108.2	17.07	108.27	17.08	108.29	17.08	108.36	17.09	
108.38	17.09	108.46	17.1	108.48	17.11	108.51	17.11	108.54	17.12	
108.57	17.12	108.78	17.15	108.81	17.16	108.85	17.16	108.86	17.16	
108.9	17.17	108.95	17.17	109	17.18	109.2	17.22	109.26	17.23	
109.91	17.34									

Manning's n Values
Sta n Val Sta n Val
0 .05 51 .05

Bank Sta: Left Right Lengths: Left Channel Right
51 51.48 20.37 20.37 19.67 Coeff Contr. .1 Expan. .3

Left levee Station= 51.25 Elevation= 14.5

CROSS SECTION
RIVER: Innominado
REACH: superior RS: 114.780

INPUT
Description:
Station Elevation Data num= 110

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	17.56	9.71	17.35	9.91	17.31	10.15	17.4	10.23	17.28
10.88	17.38	11.29	17.38	11.95	16.8	46.03	15	46.42	14.62
46.83	14.44	47.7	14	48.76	13.22	49.02	13	49.24	12.65
49.73	12	50.21	11.97	51.48	11.88	53.42	11.75	55.11	11.91
55.28	11.93	56.2	12	56.24	12	58.62	12	59.01	12
59.36	12	59.66	12	72.09	12.42	73.32	12.46	77.44	12.63
80.13	12.65	80.19	12.65	80.54	12.65	86.11	13	87.23	13.14
88.59	13.31	92.69	14	92.75	14	92.75	14	92.77	14
92.81	14	92.85	14	92.89	14	92.93	14	92.96	14
94.85	14.3	95.14	14.34	95.17	14.34	95.26	14.35	95.34	14.37
95.43	14.38	95.51	14.39	95.59	14.4	95.66	14.41	95.96	14.46
99.02	15	99.16	15	99.18	15	99.18	15	99.18	15
99.2	15	99.22	15	99.23	15	99.25	15	99.27	15
100.48	15.2	100.54	15.21	100.61	15.22	100.68	15.23	100.76	15.24
100.86	15.25	101.33	15.31	101.38	15.32	101.53	15.34	101.7	15.36
101.89	15.39	102.17	15.42	102.53	15.47	102.99	15.53	103.25	15.57
103.82	15.65	105.62	15.89	105.91	15.93	106.23	15.97	106.46	16
106.6	16.03	106.63	16.04	107.08	16.14	107.45	16.22	107.65	16.27
107.98	16.35	108.25	16.41	108.62	16.5	108.98	16.58	109.5	16.7
110.32	16.9	110.41	16.93	110.74	17	111.33	17.13	111.46	17.16
112.22	17.32	112.52	17.4	113.05	17.51	113.52	17.62	113.85	17.69
114.46	17.84	114.56	17.86	115.16	18	115.61	18.1	117.44	18.49

Manning's n Values
Sta n Val Sta n Val
0 .05 51.48 .05

Bank Sta: Left Right Lengths: Left Channel Right
51.48 51.48 20.37 20.37 19.67 Coeff Contr. .1 Expan. .3

Left levee Station= 51.25 Elevation= 14.5

CROSS SECTION
RIVER: Innominado
REACH: superior RS: 94.778

INPUT
Description:
Station Elevation Data num= 88

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	15.75	5.7	15.7	2.84	15.48	3.28	15.53	3.63	15.45
9.82	15.53	15.47	15.47	15.42	15.42	15.42	15.42	15.42	15.42
47.31	15	47.6	14.76	48.39	14	48.7	13.81	50.05	13
50.32	12.82	51.34	12	52.77	11.75	52.99	11.73	54.88	11.49
56.9	11.6	57.42	11.62	58.19	11.63	58.28	11.63	59.91	11.64
61.91	11.71	69.56	12	69.96	12	70.83	12	70.83	12
71.51	12	71.99	12	72.24	12	76.84	12	77.05	12
77.16	12	77.82	12	78.5	12	79.19	12	85.85	12
85.88	12	85.99	12.01	86	12.01	86.02	12.01	89.18	12.28
89.58	12.32	90.45	12.4	90.67	12.4	90.78	12.4	90.78	12.42
90.88	12.43	90.99	12.44	91.08	12.45	91.12	12.45	91.34	12.47
91.55	12.49	92.15	12.54	92.34	12.56	92.52	12.57	92.54	12.58
93.17	12.63	97.04	13	97.13	13.01	97.22	13.03	100.67	13.54
103.74	14	104.04	14.05	104.16	14.05	104.16	14.05	104.16	14.05
104.8	14.19	106.66	14.53	108.28	14.87	108.5	14.87	108.5	14.91
108.92	15	111.62	15.61	113.36	16	114.88	16.34	117.06	16.82
117.87	17	118.21	17.07	120.37	17.55	121.9	17.89	122.11	17.94
122.38	18	122.93	18.13	123.66	18.32				

Manning's n Values
Sta n Val Sta n Val
0 .06 52.99 .06

Bank Sta: Left Right Lengths: Left Channel Right
52.99 52.99 20.77 20.26 19.78 Coeff Contr. .1 Expan. .3

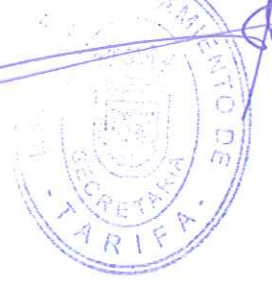
Left levee Station= 52.5 Elevation= 14

CROSS SECTION
RIVER: Innominado
REACH: superior RS: 74.522

INPUT
Description:
Station Elevation Data num= 170

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	13.7	2.81	13.8	8.76	13.83	12.44	13.84	12.83	13.82
14.7	13.74	22.22	14	30.67	14	30.82	13.72	31.27	13
31.28	12.5	32	12	35	11.25	36.61	11.25	36.77	11.25
37.24	11.24	37.27	11.24	37.47	11.24	37.47	11.24	37.47	11.24
38.09	11.2	40	11.13	42.13	11.1	42.23	11.1	44.63	11.1
44.67	11.1	44.7	11.1	44.74	11.1	44.77	11.1	44.81	11.1
44.84	11.1	44.88	11.1	44.91	11.1	44.97	11.1	47.01	10.93
49.14	10.94	49.78	10.94	50.92	10.94	51.04	10.9	51.53	10.89
52.02	10.88	52.33	10.87	52.68	10.87	53.26	10.9	53.67	10.94
54.17	11	54.78	11.11	55.63	11.27	57.61	11.55	58.32	11.64
58.83	11.73	61.72	12	62.39	12.03	63	12.05	63.16	12.07
65.09	12.18	65.1	12.19	66.42	12.19	67.52	12.19	67.14	12.19
67.99	12.26	68.01	12.26	68.02	12.26	68.49	12.27	68.6	12.26
68.72	12.26	69.24	12.27	69.36	12.27	69.47	12.26	71.15	12.27
71.27	12.26	71.4	12.26	72.1	12.25	72.22	12.24	72.36	12.24
72.51	12.23	72.68	12.23	73.19	12.25	73.29	12.24	73.89	12.26
74.49	12.26	75.11	12.25	75.54	12.24	75.69	12.24	76.13	12.23
76.28	12.22	76.38	12.22	76.52	12.21	76.54	12.21	76.54	12.21
76.71	12.21	76.81	12.21	76.91	12.21	77.37	12.19	79.6	12.19
79.65	12.19	79.72	12.19	79.79	12.19	79.85	12.19	79.91	12.19
79.97	12.19	80	12.19	80.04	12.19	80.07	12.19	80.11	12.19
80.14	12.19	82.37	12.19	82.41	12.19	82.45	12.19	82.48	12.19
82.5	12.19	82.53	12.19	82.56	12.19	82.59	12.18	82.62	12.18
82.95	12.19	82.95	12.19	83.01	12.18	83.04	12.18	83.2	12.18
83.56	12.17	84.09	12.18	85.45	12.21	85.88	12.2	87.35	12.22
87.37	12.22	87.4	12.22	87.42	12.22	87.45	12.22	87.47	12.22

DILIGENCIA
 Instalmentario del Excmo. 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 oficina de fecha **21 FEB. 2017** en su oficina de fecha **3 ABR. 2017**.
EL SECRETARIO



87.5	12.22	87.52	12.22	87.63	12.22	87.81	12.22	89.26	12.23	tarifa
89.45	12.23	89.54	12.23	89.57	12.23	90.07	12.24	90.1	12.24	
91.21	12.26	91.32	12.26	91.44	12.27	91.55	12.27	91.67	12.27	
91.73	12.27	91.85	12.27	91.97	12.27	92.06	12.28	92.18	12.28	
92.74	12.28	92.38	12.28	92.41	12.28	96.8	12.52	97.87	12.6	
99.74	12.76	100.81	12.86	100.86	12.86	102.42	13	105.34	13.56	
107.68	14	108.24	14.12	112.73	15	113.1	15.07	113.5	15.14	
116.93	15.78	117.95	15.97	118.1	16	122.82	16.93	123.14	16.99	

Manning's n Values
Sta n Val Sta n Val
0 .06 49.78 .045 53.67 .06

Bank Sta: Left Right Lengths: Left Channel Right
49.78 53.67 18.75 20.34 21.33 Coeff Contr. .1 Expan. .3

Blocked obstructions num= 1
Sta L Sta R Elev
8.75 31 17

CROSS SECTION
RIVER: Innominado
REACH: superior RS: 54.184

INPUT
Description:
Station Elevation Data num= 175

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev
0	13.1	6.23	13.04	6.39	13.03	8.38	13.06	15.05	13.06
17.28	13.13	21.96	13	26.56	13	31.09	13	39.52	12.91
39.65	12.52	39.82	12	40.28	11.04	40.3	11	40.31	11
40.32	11	40.33	11	44.42	10.23	44.37	10.23	45.03	10.22
45.21	10.22	45.36	10.21	45.81	10.21	45.95	10.18	46.07	10.18
46.19	10.17	46.29	10.17	46.74	10.16	46.79	10.16	46.89	10.16
48.15	10.15	49.72	10.13	49.79	10.12	49.85	10.12	50.36	10.08
50.87	10.05	51.11	10.05	51.21	10.04	51.91	10	51.93	10
52.54	9.95	53.66	9.84	56.12	9.58	56.73	9.68	56.84	9.7
57.02	9.73	57.36	9.79	57.59	9.82	57.79	9.85	58.71	10
60.53	10.54	60.83	10.63	61.25	10.75	61.31	10.77	62.22	11.1
62.41	11.01	63.91	11.8	64.1					

Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	Sta	Elev	tarifa
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	Val	Sta	Sta	Sta	Sta
0	.06	40.92	.045	48.08	.06

Bank Sta:	Left	Right	Coef	Contr.	Expan.
	40.92	48.08	.1	.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 = outlet control
 culvert Upstrm Dist Length Top n Bottom n Depth Blocked Entrance Loss Coef Exit Loss Coef
 3.01 12.92 .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

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	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	47.63	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	13.05	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	Val	Sta	Sta	Sta	Sta
0	.06	40.92	.045	48.08	.06

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

SUMMARY OF MANNING'S N VALUES

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	616.672	.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	.05	.4	.05	
superior	354.377	.05	.4	.05	
superior	334.743	.05	.4	.05	
superior	315.248	.05	.4	.05	
superior	295.581	.05	.4	.05	
superior	274.643	.05	.4	.05	
superior	254.479	.05	.4	.05	
superior	235.222	.05	.4	.05	
superior	215.711	.05	.4	.05	
superior	195.639	.05	.4	.05	
superior	175.516	.05	.4	.05	
superior	154.810	.05	.4	.05	
superior	135.098	.05	.4	.05	
superior	114.780	.05	.4	.05	
superior	94.778	.06	.045	.06	
superior	74.522	.06	.045	.06	
superior	54.184	.06	.045	.06	
superior	50.408*	.06	.045	.06	
superior	46.632*	.06	.045	.06	
superior	42.856	.06	.045	.06	
superior	35	culvert	.06	.045	.06
superior	25.786	.06	.045	.06	

SUMMARY OF REACH LENGTHS

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	616.672	39.17	40.42	41.41
superior	576.256	21.69	21.7	21.6
superior	554.557	19.68	18.75	17.22
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

DILIGENCIA:
 inicialmente por el Excmo Ayuntamiento de Tarifa en se-
 ción 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 23 ABR. 2017



Reach	River Sta.	Contr.	Expan.	
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	3.743	3.777	3.507
superior	50.408*	3.743	3.777	3.507
superior	46.632*	3.743	3.777	3.507
superior	42.856	37.7	17.07	17.17
superior	35	culvert		
superior	25.786	21.34	25.79	25.83

SUMMARY OF CONTRACTION AND EXPANSION COEFFICIENTS

Reach	River Sta.	Contr.	Expan.	
superior	732.439	.1	.3	
superior	697.415	.1	.3	
superior	656.082	.1	.3	
superior	616.672	.1	.3	
superior	576.256	.1	.3	
superior	554.557	.1	.3	
superior	535.806	.1	.3	
superior	514.322	.1	.3	
superior	497.047	.1	.3	
superior	475.941	.1	.3	
superior	456.031	.1	.3	
superior	435.143	.1	.3	
superior	417.714	.1	.3	
superior	395.035	.1	.3	
superior	374.659	.1	.3	
superior	354.377	.1	.3	
superior	334.743	.1	.3	
superior	315.248	.1	.3	
superior	295.581	.1	.3	
superior	274.643	.1	.3	
superior	254.479	.1	.3	
superior	235.222	.1	.3	
superior	215.711	.1	.3	
superior	195.639	.1	.3	
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	50.408*	.1	.3	
superior	46.632*	.1	.3	
superior	42.856	culvert	.3	.5
superior	35			
superior	25.786	.1	.3	

PRESENCIA - revisado
del Excmo. Ayuntamiento de Tarifa en se-
sión celebrada a los **27 SET. 2016** Artículo 128,4
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 los **3 ABR. 2017**.....
EL SECRETARIO



TABLAS DEL CÁLCULO DEL PROGRAMA HEC-RAS 3.1.3

MAXIMA CRECIDA ORDINARIA - DPH

HEC-RAS Plan: Plan 04 Locations: User Defined Profile: CAUDAL MCO

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl	Sta W.S. Lft (m)	Sta W.S. Rgt (m)
innominado	superior	732.439	CAUDAL MCO	3.03	35.12	35.56	35.56	35.70	0.013673	1.72	2.04	8.41	0.90	34.38	42.79
innominado	superior	697.415	CAUDAL MCO	3.03	33.11	33.37	33.56	34.34	0.277392	4.46	0.74	5.54	3.53	30.80	36.34
innominado	superior	656.082	CAUDAL MCO	3.03	30.82	31.14	31.19	31.32	0.029634	2.08	1.82	9.55	1.26	29.73	39.28
innominado	superior	616.672	CAUDAL MCO	3.03	28.92	29.08	29.15	29.31	0.109020	2.65	1.56	13.65	2.19	34.07	47.72
innominado	superior	576.256	CAUDAL MCO	3.03	27.46	27.79	27.79	27.88	0.016662	1.62	2.74	15.74	0.96	32.35	48.09
innominado	superior	554.557	CAUDAL MCO	3.03	26.63	26.91	27.00	27.20	0.070499	2.69	1.46	10.58	1.87	35.31	45.89
innominado	superior	535.806	CAUDAL MCO	3.03	25.87	26.28	26.33	26.45	0.024108	2.00	2.00	11.17	1.16	35.27	46.43
innominado	superior	514.322	CAUDAL MCO	3.03	24.85	25.12	25.24	25.53	0.090027	3.02	1.18	7.49	2.11	36.85	44.34
innominado	superior	497.047	CAUDAL MCO	3.03	24.15	24.51	24.55	24.68	0.027300	2.01	1.92	10.52	1.22	32.15	42.67
innominado	superior	475.941	CAUDAL MCO	3.03	23.44	23.72	23.79	23.93	0.046761	2.30	1.75	12.40	1.54	29.53	41.93
innominado	superior	456.031	CAUDAL MCO	3.03	22.83	23.12	23.14	23.23	0.025710	1.79	2.32	13.92	1.16	36.89	50.81
innominado	superior	435.143	CAUDAL MCO	3.03	22.17	22.51	22.56	22.68	0.026003	2.02	1.91	9.86	1.20	37.62	47.49
innominado	superior	417.714	CAUDAL MCO	3.03	21.54	21.87	21.94	22.11	0.042170	2.39	1.63	9.78	1.49	36.21	46.00
innominado	superior	395.035	CAUDAL MCO	3.03	20.67	20.99	21.05	21.20	0.037233	2.24	1.76	10.90	1.40	33.61	44.51
innominado	superior	374.659	CAUDAL MCO	3.03	19.89	20.28	20.28	20.39	0.056329	0.30	3.13	12.76	0.16	34.01	46.77
innominado	superior	354.377	CAUDAL MCO	3.03	19.03	19.52	19.45	19.58	0.026894	0.24	3.94	13.82	0.11	34.31	48.13
innominado	superior	334.743	CAUDAL MCO	3.03	18.34	18.96	18.89	19.02	0.030648	0.28	4.23	13.93	0.12	32.96	46.90
innominado	superior	315.248	CAUDAL MCO	3.03	17.38	18.07		18.18	0.063959	0.42	3.46	10.31	0.18	30.19	40.50
innominado	superior	295.581	CAUDAL MCO	3.03	16.51	17.18	17.10	17.26	0.035428	0.32	3.87	11.07	0.14	29.36	40.44
innominado	superior	274.643	CAUDAL MCO	3.03	15.64	16.33		16.42	0.048205	0.37	3.70	10.93	0.16	31.29	42.22
innominado	superior	254.479	CAUDAL MCO	3.03	14.80	15.44		15.52	0.042069	0.34	3.76	11.07	0.15	34.20	45.26
innominado	superior	235.222	CAUDAL MCO	3.03	14.01	14.63		14.72	0.041138	0.33	3.81	11.31	0.15	36.47	47.78
innominado	superior	215.711	CAUDAL MCO	3.03	13.62	14.30		14.34	0.010608	0.18	5.35	13.96	0.07	33.86	47.82
innominado	superior	195.639	CAUDAL MCO	3.03	13.21	13.93		14.00	0.030711	0.31	4.14	11.66	0.13	39.26	50.92
innominado	superior	175.516	CAUDAL MCO	3.03	12.89	13.51		13.57	0.016003	0.22	4.41	10.77	0.09	43.13	53.90
innominado	superior	154.810	CAUDAL MCO	3.03	12.52	13.13		13.19	0.020500	0.23	4.34	13.01	0.10	51.69	64.70
innominado	superior	135.098	CAUDAL MCO	3.03	12.15	12.65		12.71	0.028933	0.25	3.64	14.39	0.12	49.12	63.51
innominado	superior	114.780	CAUDAL MCO	3.03	11.75	12.30		12.33	0.012478	0.17	5.13	19.02	0.08	49.50	68.53
innominado	superior	94.778	CAUDAL MCO	3.03	11.49	11.86	11.86	11.96	0.029166	1.65	2.59	13.86	0.98	52.12	65.97
innominado	superior	74.522	CAUDAL MCO	3.03	10.87	11.18	11.20	11.29	0.037395	1.82	2.50	16.38	1.11	38.75	55.13
innominado	superior	54.184	CAUDAL MCO	3.03	9.58	10.28	10.10	10.32	0.004286	0.99	4.55	17.75	0.42	41.90	59.64
innominado	superior	42.856	CAUDAL MCO	3.03	9.23	10.23	9.77	10.28	0.002699	0.92	3.33	4.24	0.33	58.27	62.51
innominado	superior	35		Culvert											

DILIGENCIA:

aprobada por el Excmo. Ayuntamiento de Tarifa en sesión celebrada el día 27 SET. 2016, (Artículo 128,3 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



HEC-RAS Plan: Plan 04 Locations: User Defined Profile: CAUDAL MCO

River	Reach	River Sta	Profile	E.G. Elev (m)	W.S. Elev (m)	Vel Head (m)	Frctn Loss (m)	C & E Loss (m)	Q Left (m3/s)	Q Channel (m3/s)	Q Right (m3/s)	Top Width (m)	Flow Area (m2)	Flow Area Ch (m2)	Flow Area L (m2)
innominado	superior	732.439	CAUDAL MCO	35.70	35.56	0.14	0.50	0.00	0.11	2.80	0.12	8.41	2.04	1.63	0.20
innominado	superior	697.415	CAUDAL MCO	34.34	33.37	0.97	1.28	0.08		2.88	0.16	5.54	0.74	0.64	
innominado	superior	656.082	CAUDAL MCO	31.32	31.14	0.18	2.77	0.24	0.16	2.36	0.52	9.55	1.82	1.14	0.19
innominado	superior	616.672	CAUDAL MCO	29.31	29.08	0.23	2.01	0.00	1.17	1.28	0.58	13.65	1.56	0.48	0.70
innominado	superior	576.256	CAUDAL MCO	27.88	27.79	0.09	1.39	0.04	0.55	1.79	0.70	15.74	2.74	1.10	0.69
innominado	superior	554.557	CAUDAL MCO	27.20	26.91	0.30	0.65	0.02	0.04	2.27	0.72	10.58	1.46	0.85	0.05
innominado	superior	535.806	CAUDAL MCO	26.45	26.28	0.17	0.71	0.04	0.18	2.38	0.48	11.17	2.00	1.19	0.23
innominado	superior	514.322	CAUDAL MCO	25.53	25.12	0.41	0.90	0.02	0.44	2.55	0.05	7.49	1.18	0.84	0.28
innominado	superior	497.047	CAUDAL MCO	24.68	24.51	0.17	0.78	0.07	0.56	2.37	0.11	10.52	1.92	1.18	0.58
innominado	superior	475.941	CAUDAL MCO	23.93	23.72	0.22	0.74	0.00	0.61	2.29	0.13	12.40	1.75	1.00	0.59
innominado	superior	456.031	CAUDAL MCO	23.23	23.12	0.12	0.67	0.03	0.49	1.80	0.74	13.92	2.32	1.00	0.58
innominado	superior	435.143	CAUDAL MCO	22.68	22.51	0.17	0.54	0.01	0.11	2.29	0.63	9.86	1.91	1.13	0.16
innominado	superior	417.714	CAUDAL MCO	22.11	21.87	0.24	0.57	0.01	0.10	2.38	0.56	9.78	1.63	1.00	0.12
innominado	superior	395.035	CAUDAL MCO	21.20	20.99	0.21	0.90	0.01	0.21	2.38	0.44	10.90	1.76	1.06	0.25
innominado	superior	374.659	CAUDAL MCO	20.39	20.28	0.11	0.76	0.01	1.22	0.45	1.37	12.76	3.13	1.50	0.82
innominado	superior	354.377	CAUDAL MCO	19.58	19.52	0.06	0.56	0.00	1.72	0.43	0.89	13.82	3.94	1.74	1.41
innominado	superior	334.743	CAUDAL MCO	19.02	18.96	0.06	0.83	0.00	1.96	0.63	0.44	13.93	4.23	2.28	1.52
innominado	superior	315.248	CAUDAL MCO	18.18	18.07	0.11	0.91	0.01	1.37	0.94	0.73	10.31	3.46	2.24	0.76
innominado	superior	295.581	CAUDAL MCO	17.26	17.18	0.08	0.84	0.00	0.88	0.71	1.45	11.07	3.87	2.23	0.63
innominado	superior	274.643	CAUDAL MCO	16.42	16.33	0.09	0.90	0.00	0.68	0.83	1.52	10.93	3.70	2.27	0.46
innominado	superior	254.479	CAUDAL MCO	15.52	15.44	0.09	0.80	0.00	1.10	0.75	1.18	11.07	3.76	2.23	0.73
innominado	superior	235.222	CAUDAL MCO	14.72	14.63	0.09	0.36	0.01	0.90	0.75	1.38	11.31	3.81	2.27	0.64
innominado	superior	215.711	CAUDAL MCO	14.34	14.30	0.04	0.34	0.00	1.80	0.45	0.78	13.96	5.35	2.53	1.86
innominado	superior	195.639	CAUDAL MCO	14.00	13.93	0.07	0.43	0.00	0.66	0.74	1.64	11.66	4.14	2.40	0.57
innominado	superior	175.516	CAUDAL MCO	13.57	13.51	0.06	0.38	0.00	0.46	0.49	2.08	10.77	4.41	2.25	0.47
innominado	superior	154.810	CAUDAL MCO	13.19	13.13	0.06	0.47	0.00	1.19	0.49	1.36	13.01	4.34	2.08	0.99
innominado	superior	135.098	CAUDAL MCO	12.71	12.65	0.06	0.37	0.01	0.26	0.33	2.44	14.39	3.64	1.35	0.28
innominado	superior	114.780	CAUDAL MCO	12.33	12.30	0.03	0.36	0.01	0.68	0.30	2.05	19.02	5.13	1.80	0.66
innominado	superior	94.778	CAUDAL MCO	11.96	11.86	0.10	0.54	0.00	0.03	1.85	1.15	13.86	2.59	1.12	0.06
innominado	superior	74.522	CAUDAL MCO	11.29	11.18	0.12	0.67	0.00	0.93	1.95	0.15	16.38	2.50	1.07	1.24
innominado	superior	54.184	CAUDAL MCO	10.32	10.28	0.04	0.04	0.00	0.55	2.30	0.19	17.75	4.55	2.33	1.77
innominado	superior	42.856	CAUDAL MCO	10.28	10.23	0.04			0.00	3.03	0.00	4.24	3.33	3.31	0.00
innominado	superior	35		Culvert											

DILIGENCIA:
 autorizada por el Excmo. Ayuntamiento de Tarifa en se-
 sión 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**



HEC-RAS Plan: Plan 04 River: innominado Reach: superior Profile: CAUDAL MCO

Reach	River Sta	Profile	E.G. US. (m)	W.S. US. (m)	E.G. IC (m)	E.G. OC (m)	Min El Weir Flow (m)	Q Culv Group (m3/s)	Q Weir (m3/s)	Delta WS (m)	Culv Vel US (m/s)	Culv Vel DS (m/s)
superior	35 PASO 1	CAUDAL MCO	10.28	10.23	10.16	10.28	12.60	3.03		0.95	2.46	3.47

DILIGENCIA.-

aprobada

licitamente por el Excmo. Ayuntamiento de Tarifa en sesión celebrada el día 27 SET. 2016 (Artículo 126,5 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



DILIGENCIA.-

aprobado

Inicialmente por el Excmo. Ayuntamiento de Tarifa en sesión celebrada el día **27 SET. 2016** (Artículo 126,3 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



TABLAS DEL CÁLCULO DEL PROGRAMA HEC-RAS 3.1.3

ESCENARIO ESTADO ACTUAL

DILIGENCIA

aprobado

Inicialmente en

sección de Tarifa en sesión celebrada el

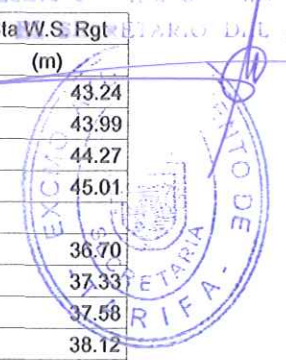
27 SEI. 2016

Artículo 128.º

del Reglamento de

HEC-RAS Plan: Plan 04 Locations: User Defined

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl	Sta W.S. Lft (m)	Sta W.S. Rgt (m)
innominado	superior	732.439	10 AÑOS	3.76	35.12	35.61	35.61	35.76	0.012750	1.81	2.49	9.44	0.89	33.80	43.24
innominado	superior	732.439	50 AÑOS	5.20	35.12	35.69	35.69	35.86	0.011683	1.96	3.37	11.14	0.88	32.85	43.99
innominado	superior	732.439	100 AÑOS	5.81	35.12	35.72	35.72	35.90	0.011399	2.01	3.73	11.75	0.87	32.52	44.27
innominado	superior	732.439	500 AÑOS	7.80	35.12	35.81	35.81	36.01	0.011184	2.20	4.78	13.27	0.89	31.74	45.01
innominado	superior	697.415	10 AÑOS	3.76	33.11	33.39	33.60	34.47	0.262900	4.73	0.88	6.40	3.52	30.30	36.70
innominado	superior	697.415	50 AÑOS	5.20	33.11	33.43	33.67	34.66	0.235703	5.14	1.17	7.46	3.44	29.88	37.33
innominado	superior	697.415	100 AÑOS	5.81	33.11	33.45	33.70	34.73	0.226041	5.27	1.30	7.81	3.41	29.77	37.58
innominado	superior	697.415	500 AÑOS	7.80	33.11	33.50	33.78	34.87	0.196064	5.56	1.71	8.68	3.28	29.44	38.12
innominado	superior	656.082	10 AÑOS	3.76	30.82	31.17	31.23	31.38	0.030876	2.26	2.11	10.23	1.31	29.33	39.56
innominado	superior	656.082	50 AÑOS	5.20	30.82	31.22	31.30	31.49	0.033132	2.59	2.62	11.24	1.39	28.80	40.03
innominado	superior	656.082	100 AÑOS	5.81	30.82	31.24	31.32	31.53	0.033939	2.70	2.83	11.60	1.42	28.61	40.21
innominado	superior	656.082	500 AÑOS	7.80	30.82	31.29	31.40	31.65	0.036245	3.05	3.45	12.64	1.50	28.06	40.70
innominado	superior	616.672	10 AÑOS	3.76	28.92	29.10	29.17	29.35	0.103239	2.80	1.84	14.13	2.18	33.77	47.90
innominado	superior	616.672	50 AÑOS	5.20	28.92	29.13	29.22	29.43	0.094711	3.04	2.35	14.99	2.15	33.22	48.22
innominado	superior	616.672	100 AÑOS	5.81	28.92	29.15	29.24	29.46	0.092494	3.14	2.56	15.32	2.15	33.02	48.34
innominado	superior	616.672	500 AÑOS	7.80	28.92	29.19	29.30	29.54	0.086636	3.40	3.20	16.21	2.14	32.40	48.62
innominado	superior	576.256	10 AÑOS	3.76	27.46	27.81	27.82	27.92	0.017033	1.74	3.20	16.76	0.98	32.03	48.79
innominado	superior	576.256	50 AÑOS	5.20	27.46	27.86	27.87	27.98	0.017689	1.95	4.04	18.62	1.03	31.35	49.97
innominado	superior	576.256	100 AÑOS	5.81	27.46	27.88	27.89	28.01	0.017905	2.02	4.38	19.29	1.04	31.12	50.41
innominado	superior	576.256	500 AÑOS	7.80	27.46	27.93	27.95	28.08	0.018572	2.24	5.41	21.18	1.08	30.49	51.67
innominado	superior	554.557	10 AÑOS	3.76	26.63	26.94	27.04	27.25	0.064562	2.81	1.79	11.91	1.83	34.91	46.82
innominado	superior	554.557	50 AÑOS	5.20	26.63	26.98	27.09	27.32	0.057962	3.00	2.41	13.96	1.78	34.24	48.20
innominado	superior	554.557	100 AÑOS	5.81	26.63	27.00	27.11	27.35	0.056155	3.08	2.67	14.64	1.77	34.06	48.69
innominado	superior	554.557	500 AÑOS	7.80	26.63	27.05	27.17	27.43	0.051971	3.28	3.45	16.29	1.75	33.50	49.79
innominado	superior	535.806	10 AÑOS	3.76	25.87	26.31	26.37	26.51	0.025128	2.17	2.35	12.21	1.20	34.89	47.09
innominado	superior	535.806	50 AÑOS	5.20	25.87	26.36	26.43	26.59	0.026266	2.44	3.01	13.93	1.26	34.31	48.23
innominado	superior	535.806	100 AÑOS	5.81	25.87	26.38	26.46	26.63	0.026720	2.54	3.27	14.50	1.28	34.07	48.57
innominado	superior	535.806	500 AÑOS	7.80	25.87	26.44	26.52	26.72	0.027525	2.80	4.10	16.19	1.32	33.39	49.58
innominado	superior	514.322	10 AÑOS	3.76	24.85	25.15	25.28	25.59	0.081327	3.15	1.42	8.06	2.05	36.60	44.66
innominado	superior	514.322	50 AÑOS	5.20	24.85	25.21	25.36	25.69	0.071263	3.38	1.90	9.06	1.98	36.17	45.23
innominado	superior	514.322	100 AÑOS	5.81	24.85	25.23	25.38	25.73	0.068236	3.47	2.09	9.44	1.96	36.01	45.44
innominado	superior	514.322	500 AÑOS	7.80	24.85	25.29	25.46	25.85	0.061417	3.71	2.71	10.56	1.92	35.52	46.08
innominado	superior	497.047	10 AÑOS	3.76	24.15	24.53	24.59	24.73	0.029339	2.21	2.20	11.19	1.28	31.83	43.02
innominado	superior	497.047	50 AÑOS	5.20	24.15	24.58	24.65	24.83	0.032220	2.54	2.72	12.36	1.37	31.27	43.62
innominado	superior	497.047	100 AÑOS	5.81	24.15	24.59	24.68	24.87	0.033297	2.66	2.93	12.78	1.40	31.06	43.84
innominado	superior	497.047	500 AÑOS	7.80	24.15	24.64	24.75	24.99	0.036248	3.01	3.56	14.02	1.50	30.47	44.48
innominado	superior	475.941	10 AÑOS	3.76	23.44	23.75	23.82	23.98	0.044630	2.42	2.11	13.61	1.53	28.71	42.32
innominado	superior	475.941	50 AÑOS	5.20	23.44	23.79	23.88	24.05	0.042846	2.65	2.77	15.57	1.54	27.37	42.94
innominado	superior	475.941	100 AÑOS	5.81	23.44	23.81	23.90	24.08	0.042307	2.73	3.04	16.30	1.55	26.87	43.16
innominado	superior	475.941	500 AÑOS	7.80	23.44	23.86	23.95	24.16	0.040926	2.95	3.89	18.44	1.56	25.41	43.85
innominado	superior	456.031	10 AÑOS	3.76	22.83	23.14	23.16	23.27	0.026774	1.95	2.67	14.61	1.20	36.36	50.97
innominado	superior	456.031	50 AÑOS	5.20	22.83	23.18	23.22	23.35	0.027656	2.19	3.33	15.74	1.25	35.52	51.26
innominado	superior	456.031	100 AÑOS	5.81	22.83	23.20	23.24	23.38	0.027968	2.28	3.59	16.14	1.27	35.23	51.37
innominado	superior	456.031	500 AÑOS	7.80	22.83	23.25	23.30	23.46	0.028989	2.54	4.38	17.37	1.32	34.33	51.69



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



HEC-RAS Plan: Plan 04 Locations: User Defined (Continued)

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl	Sta W.S. Lft (m)	Sta W.S. Rgt (m)
innominado	superior	435.143	10 AÑOS	3.76	22.17	22.55	22.60	22.74	0.024368	2.13	2.31	10.81	1.18	37.19	48.00
innominado	superior	435.143	50 AÑOS	5.20	22.17	22.62	22.67	22.82	0.022689	2.31	3.05	12.30	1.17	36.47	48.78
innominado	superior	435.143	100 AÑOS	5.81	22.17	22.64	22.69	22.86	0.022187	2.38	3.36	12.84	1.17	36.20	49.05
innominado	superior	435.143	500 AÑOS	7.80	22.17	22.71	22.76	22.95	0.020843	2.56	4.31	14.33	1.17	35.42	49.75
innominado	superior	417.714	10 AÑOS	3.76	21.54	21.89	21.98	22.17	0.043374	2.59	1.90	10.59	1.54	35.90	46.49
innominado	superior	417.714	50 AÑOS	5.20	21.54	21.94	22.05	22.27	0.044016	2.89	2.45	12.00	1.59	35.35	47.36
innominado	superior	417.714	100 AÑOS	5.81	21.54	21.96	22.07	22.31	0.044186	3.00	2.67	12.53	1.61	35.15	47.68
innominado	superior	417.714	500 AÑOS	7.80	21.54	22.01	22.14	22.42	0.044815	3.30	3.34	13.91	1.66	34.57	48.48
innominado	superior	395.035	10 AÑOS	3.76	20.67	21.02	21.09	21.25	0.036979	2.39	2.08	11.60	1.42	33.25	44.85
innominado	superior	395.035	50 AÑOS	5.20	20.67	21.06	21.15	21.34	0.037183	2.65	2.64	12.44	1.46	32.82	45.26
innominado	superior	395.035	100 AÑOS	5.81	20.67	21.08	21.17	21.37	0.037258	2.75	2.87	12.74	1.48	32.66	45.40
innominado	superior	395.035	500 AÑOS	7.80	20.67	21.13	21.24	21.47	0.037180	3.01	3.56	13.62	1.51	32.17	45.79
innominado	superior	374.659	10 AÑOS	3.76	19.89	20.32	20.32	20.44	0.052883	0.31	3.62	13.37	0.16	33.64	47.01
innominado	superior	374.659	50 AÑOS	5.20	19.89	20.38	20.38	20.52	0.048767	0.33	4.51	14.46	0.15	32.93	47.39
innominado	superior	374.659	100 AÑOS	5.81	19.89	20.41	20.41	20.55	0.047247	0.33	4.87	14.86	0.15	32.67	47.53
innominado	superior	374.659	500 AÑOS	7.80	19.89	20.48	20.48	20.65	0.044137	0.35	5.98	16.16	0.15	31.79	47.96
innominado	superior	354.377	10 AÑOS	3.76	19.03	19.55	19.49	19.63	0.028980	0.26	4.39	14.54	0.12	33.92	48.46
innominado	superior	354.377	50 AÑOS	5.20	19.03	19.61	19.56	19.71	0.029337	0.29	5.34	15.90	0.12	33.16	49.06
innominado	superior	354.377	100 AÑOS	5.81	19.03	19.64	19.58	19.74	0.029147	0.30	5.72	16.36	0.12	32.87	49.22
innominado	superior	354.377	500 AÑOS	7.80	19.03	19.70	19.65	19.82	0.029518	0.32	6.84	17.65	0.13	32.03	49.68
innominado	superior	334.743	10 AÑOS	3.76	18.34	19.01		19.08	0.027087	0.28	4.97	15.14	0.12	32.14	47.28
innominado	superior	334.743	50 AÑOS	5.20	18.34	19.07		19.16	0.026586	0.29	5.97	16.08	0.12	31.52	47.60
innominado	superior	334.743	100 AÑOS	5.81	18.34	19.10		19.19	0.026525	0.30	6.36	16.43	0.12	31.28	47.71
innominado	superior	334.743	500 AÑOS	7.80	18.34	19.17		19.28	0.025865	0.32	7.59	17.48	0.12	30.58	48.06
innominado	superior	315.248	10 AÑOS	3.76	17.38	18.10		18.24	0.076251	0.47	3.70	10.66	0.20	30.01	40.67
innominado	superior	315.248	50 AÑOS	5.20	17.38	18.17		18.34	0.073276	0.50	4.46	11.68	0.20	29.48	41.17
innominado	superior	315.248	100 AÑOS	5.81	17.38	18.19		18.38	0.071914	0.51	4.76	12.07	0.20	29.28	41.35
innominado	superior	315.248	500 AÑOS	7.80	17.38	18.26		18.49	0.070509	0.54	5.65	13.14	0.20	28.73	41.87
innominado	superior	295.581	10 AÑOS	3.76	16.51	17.24		17.32	0.030714	0.32	4.54	11.88	0.13	29.06	40.94
innominado	superior	295.581	50 AÑOS	5.20	16.51	17.31		17.41	0.031806	0.34	5.41	12.86	0.13	28.69	41.55
innominado	superior	295.581	100 AÑOS	5.81	16.51	17.33		17.45	0.032322	0.36	5.74	13.22	0.13	28.56	41.78
innominado	superior	295.581	500 AÑOS	7.80	16.51	17.41		17.55	0.032948	0.39	6.79	14.28	0.14	28.16	42.44
innominado	superior	274.643	10 AÑOS	3.76	15.64	16.35		16.47	0.059402	0.42	3.93	11.27	0.18	31.18	42.45
innominado	superior	274.643	50 AÑOS	5.20	15.64	16.42		16.57	0.056334	0.44	4.77	12.42	0.17	30.79	43.20
innominado	superior	274.643	100 AÑOS	5.81	15.64	16.45		16.60	0.054980	0.45	5.11	12.85	0.17	30.63	43.48
innominado	superior	274.643	500 AÑOS	7.80	15.64	16.52		16.71	0.053546	0.47	6.09	14.00	0.17	30.22	44.22
innominado	superior	254.479	10 AÑOS	3.76	14.80	15.50		15.59	0.033688	0.33	4.51	12.06	0.13	33.73	45.80
innominado	superior	254.479	50 AÑOS	5.20	14.80	15.57		15.68	0.035386	0.36	5.35	13.03	0.14	33.28	46.31
innominado	superior	254.479	100 AÑOS	5.81	14.80	15.59		15.71	0.036248	0.37	5.66	13.38	0.14	33.11	46.49
innominado	superior	254.479	500 AÑOS	7.80	14.80	15.66		15.81	0.037281	0.40	6.68	14.50	0.15	32.59	47.10
innominado	superior	235.222	10 AÑOS	5.26	14.01	14.75		14.87	0.039582	0.37	5.26	13.12	0.15	35.62	48.74
innominado	superior	235.222	50 AÑOS	7.25	14.01	14.84		14.98	0.036666	0.39	6.48	14.47	0.14	34.99	49.46
innominado	superior	235.222	100 AÑOS	8.09	14.01	14.87		15.02	0.035518	0.39	6.98	14.99	0.14	34.74	49.73
innominado	superior	235.222	500 AÑOS	10.84	14.01	14.97		15.14	0.033513	0.41	8.47	16.43	0.14	34.07	50.49



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



DILIGENCIA

aprobado

Integramente

Excmo. Ayuntamiento de Tarifa en se-

27 SET. 2016 (Artículo 128.5

de la Ley Orgánica de Régimen Local, en su redacción anterior),
SECRETARÍA DE AYUNTAMIENTO

HEC-RAS Plan: Plan 04 Locations: User Defined (Continued)

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl	Sta W.S. Lft (m)	Sta W.S. Rgt (m)
innominado	superior	215.711	10 AÑOS	5.26	13.62	14.45		14.50	0.010278	0.20	7.53	16.04	0.08	32.85	48.89
innominado	superior	215.711	50 AÑOS	7.25	13.62	14.54		14.60	0.010889	0.23	9.02	17.31	0.08	32.24	49.55
innominado	superior	215.711	100 AÑOS	8.09	13.62	14.57		14.64	0.011164	0.24	9.59	17.76	0.08	32.01	49.78
innominado	superior	215.711	500 AÑOS	10.84	13.62	14.66		14.75	0.011953	0.26	11.28	19.03	0.09	31.40	50.43
innominado	superior	195.639	10 AÑOS	5.26	13.21	14.04		14.15	0.035189	0.37	5.46	13.56	0.14	38.28	51.83
innominado	superior	195.639	50 AÑOS	7.25	13.21	14.14		14.26	0.030502	0.37	6.91	15.57	0.13	37.09	52.66
innominado	superior	195.639	100 AÑOS	8.09	13.21	14.18		14.30	0.028604	0.37	7.52	16.34	0.13	36.65	52.99
innominado	superior	195.639	500 AÑOS	10.84	13.21	14.29		14.41	0.024209	0.37	9.50	18.67	0.12	35.27	53.94
innominado	superior	175.516	10 AÑOS	5.26	12.89	13.75		13.80	0.009377	0.21	7.31	13.29	0.07	42.20	55.49
innominado	superior	175.516	50 AÑOS	7.25	12.89	13.87		13.94	0.009088	0.23	9.03	14.58	0.08	41.73	56.31
innominado	superior	175.516	100 AÑOS	8.09	12.89	13.91		13.98	0.009071	0.23	9.69	15.04	0.08	41.56	56.60
innominado	superior	175.516	500 AÑOS	10.84	12.89	14.04		14.12	0.009091	0.25	11.66	16.34	0.08	41.07	57.41
innominado	superior	154.810	10 AÑOS	5.26	12.52	13.32	13.26	13.45	0.033086	0.33	5.13	11.24	0.12	55.72	66.96
innominado	superior	154.810	50 AÑOS	7.25	12.52	13.39	13.36	13.57	0.039945	0.38	5.87	11.97	0.14	55.72	67.68
innominado	superior	154.810	100 AÑOS	8.09	12.52	13.42	13.40	13.61	0.040825	0.39	6.21	12.25	0.14	55.72	67.97
innominado	superior	154.810	500 AÑOS	10.84	12.52	13.50	13.50	13.74	0.042353	0.42	7.32	13.18	0.14	55.72	68.90
innominado	superior	135.098	10 AÑOS	5.26	12.15	12.78	12.72	12.87	0.025803	0.25	5.25	15.41	0.11	51.00	66.41
innominado	superior	135.098	50 AÑOS	7.25	12.15	12.88	12.80	12.97	0.021988	0.25	6.80	17.42	0.10	51.00	68.42
innominado	superior	135.098	100 AÑOS	8.09	12.15	12.90	12.82	13.01	0.022270	0.26	7.26	17.89	0.10	51.00	68.89
innominado	superior	135.098	500 AÑOS	10.84	12.15	12.98	12.90	13.10	0.023163	0.28	8.75	19.84	0.10	51.00	70.84
innominado	superior	114.780	10 AÑOS	5.26	11.75	12.43	12.31	12.48	0.014289	0.21	7.09	21.17	0.09	51.25	72.42
innominado	superior	114.780	50 AÑOS	7.25	11.75	12.46	12.37	12.53	0.020740	0.27	7.72	22.08	0.11	51.25	73.33
innominado	superior	114.780	100 AÑOS	8.09	11.75	12.48	12.39	12.56	0.020822	0.27	8.25	22.65	0.11	51.25	73.90
innominado	superior	114.780	500 AÑOS	10.84	11.75	12.55	12.46	12.65	0.021134	0.29	9.86	24.31	0.11	51.25	75.56
innominado	superior	94.778	10 AÑOS	5.26	11.49	11.96	11.96	12.08	0.027608	1.94	3.97	15.96	1.00	52.50	68.46
innominado	superior	94.778	50 AÑOS	7.25	11.49	12.09	12.09	12.18	0.015747	1.77	7.56	34.40	0.79	52.50	86.90
innominado	superior	94.778	100 AÑOS	8.09	11.49	12.10	12.10	12.20	0.016489	1.85	8.05	34.57	0.82	52.50	87.07
innominado	superior	94.778	500 AÑOS	10.84	11.49	12.14	12.14	12.26	0.018455	2.06	9.55	35.07	0.87	52.50	87.57
innominado	superior	74.522	10 AÑOS	5.26	10.87	11.24	11.29	11.40	0.041353	2.21	3.66	18.54	1.21	36.94	55.48
innominado	superior	74.522	50 AÑOS	7.25	10.87	11.24	11.34	11.55	0.077238	3.03	3.69	18.58	1.65	36.91	55.49
innominado	superior	74.522	100 AÑOS	8.09	10.87	11.27	11.36	11.57	0.070782	3.05	4.22	20.71	1.60	34.92	55.63
innominado	superior	74.522	500 AÑOS	10.84	10.87	11.72	11.42	11.76	0.003246	1.11	14.78	25.70	0.39	33.10	58.80
innominado	superior	54.184	10 AÑOS	5.26	9.58	10.76	10.27	10.77	0.000641	0.58	13.79	20.43	0.18	40.85	61.28
innominado	superior	54.184	50 AÑOS	7.25	9.58	11.13	10.34	11.14	0.000321	0.50	21.77	22.29	0.13	40.24	62.53
innominado	superior	54.184	100 AÑOS	8.09	9.58	11.28	10.36	11.29	0.000262	0.48	25.05	22.65	0.12	40.17	62.82
innominado	superior	54.184	500 AÑOS	10.84	9.58	11.74		11.74	0.000161	0.45	35.68	23.76	0.10	39.95	63.71
innominado	superior	42.856	10 AÑOS	5.26	9.23	10.71	9.98	10.76	0.001739	1.00	5.33	4.57	0.28	58.25	62.82
innominado	superior	42.856	50 AÑOS	7.25	9.23	11.07	10.11	11.13	0.001426	1.07	6.87	6.59	0.27	57.62	64.21
innominado	superior	42.856	100 AÑOS	8.09	9.23	11.21	10.16	11.27	0.001342	1.10	7.48	8.42	0.26	57.00	65.42
innominado	superior	42.856	500 AÑOS	10.84	9.23	11.66	10.32	11.73	0.001137	1.17	9.39	13.19	0.25	54.57	67.76
innominado	superior	35													
innominado	superior	35		Culvert											



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

