

SS 189 - Itinerario Agrigento Palermo
Sistemazione e messa in sicurezza dello svincolo al Km 24 della SS 189
(Svincolo San Giovanni Gemini in località Tumarrano)

PROGETTO ESECUTIVO

COD. PA-884

R.T.I. di PROGETTAZIONE:



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PROGETTISTI:

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Delta Ingegneria srl - Ordine Ing. di Agrigento n. A995*



AREE SPECIALISTICHE:

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STUDI ED INDAGINI

Idrologia ed Idraulica

Tabelle di raffronto delle sezioni idrauliche Ante e Post Operam

CODICE PROGETTO			NOME FILE		REVISIONE	SCALA
PROGETTO	LIV. PROG.	ANNO	T00ID00IDRRE03A.pdf			
DPPA0884	E	23	CODICE ELAB.	T00ID00IDRRE03	A	-
D						
C						
B						
A	Consegna Progetto Esecutivo		Ottobre 2023	Ing.M.CARLINO	Ing.N. D'ALESSANDRO	Ing.N. D'ALESSANDRO
REV.	DESCRIZIONE		DATA	REDATTO	VERIFICATO	APPROVATO

Fiume Platani

TABULATI ANTE OPERAM - POST OPERAM

ANTE OPERAM
Tabulato Tr=50 anni

TABULATO DEI RISULTATI

Ante Operam - Tr = 50 anni

River: Fiume Platani

River	Q Total	Length Chan	Min Ch El	W.S. Elev.	Crit. W.S.	E.G. Elev	Mann Wtd	E.G. Slope	W.S.	Vel Left	Vel Chnl	Vel Right	Flow Area	Top Width	Froude # Chl	Shear Total	W.P. Total	R Idr.
Station	Portata	Distanza parziale	Quota fondo	Quota Pelo libero	Altezza critica	Quota energia	Scabrezza alveo	Pendenza energia	Altezza tirante idrico	Velocità golena sinistra	Velocità canale di magra	Velocità golena destra	Area sezione liquida	Larghezza Superficiale	Numero di Froude	Tensione Trascinamento	Contorno Bagnato	Raggio Idraulico
(Sezione)	[m ³ /s]	[m]	[m.s.m.]	[m.s.m.]	[m.s.m.]	[m.s.m.]	[m ^{1/3} s ⁻¹]	[m/m]	[m]	[m/s]	[m/s]	[m/s]	[m ²]	[m]		[N/m ²]	[m]	[m]
290	415.08	58.47	288.90	292.39		292.54	0.028	0.001	3.49	1.29	1.79	0.70	250.58	154.98	0.43	18.36	155.99	1.61
289	415.08	39.55	288.48	292.36		292.48	0.028	0.001	3.88	0.93	1.61	0.40	272.30	142.10	0.35	13.85	144.15	1.89
288	415.08	35.59	288.48	292.34		292.46	0.028	0.000	3.86	0.57	1.55	0.62	277.81	103.94	0.28	11.19	105.06	2.64
287	415.08	68.64	288.25	291.35	291.35	292.36	0.005	0.000	3.10	1.33	4.52	0.79	100.35	54.79	0.97	3.27	56.64	1.77
286	415.08	25.09	287.58	289.32	290.24	292.15	0.005	0.001	1.74	0.44	7.46		55.89	46.46	2.07	11.30	46.93	1.19
285	415.08	1.00	287.04	290.53	288.66	290.64	0.005	0.000	3.49	0.25	1.43	0.15	316.07	153.72	0.26	0.24	154.71	2.04
284.5	Bridge																	
284	580.99	78.15	286.74	290.56	288.66	290.69	0.005	0.000	3.82	0.45	1.63	0.21	418.79	166.28	0.28	0.32	167.38	2.50
283	580.99	29.61	285.92	290.07		290.64	0.005	0.000	4.15	0.09	3.35	0.36	174.04	71.96	0.68	1.97	72.72	2.39
282	580.99	21.60	285.74	289.56	289.56	290.59	0.005	0.000	3.82	0.46	4.52	0.87	136.23	80.74	0.96	2.88	81.27	1.68
281	580.99	10.89	285.32	290.08	287.93	290.27	0.028	0.001	4.76	0.88	1.96	0.18	306.95	85.61	0.31	16.83	90.52	3.39
280.5	Culvert																	
280	580.99	21.88	285.28	289.93		290.13	0.028	0.001	4.65	0.95	1.99	0.09	305.23	86.18	0.32	17.33	91.12	3.35
279	580.99	35.60	285.32	289.10	289.10	290.03	0.028	0.005	3.78	1.38	4.31	0.95	142.59	91.00	0.93	79.16	91.49	1.56
278	580.99	30.27	284.99	289.11	288.27	289.47	0.028	0.002	4.12	0.56	2.71	0.92	224.24	108.41	0.54	33.49	108.83	2.06
277	580.99	42.10	284.57	288.35	288.35	289.33	0.028	0.006	3.78	1.21	4.40	0.83	134.67	76.99	0.97	98.07	78.07	1.72
276	580.99	43.16	283.60	287.79	288.05	289.08	0.028	0.005	4.19	1.91	5.47	2.15	136.71	79.53	0.97	84.13	80.92	1.69
275	580.99	44.24	283.53	288.03	287.48	288.64	0.028	0.002	4.50	1.92	3.75	1.65	190.18	87.61	0.65	45.82	88.80	2.14
274	580.99	76.22	283.40	287.43	287.43	288.47	0.028	0.004	4.03	2.90	5.23	2.16	152.34	75.95	0.87	74.78	76.85	1.98
273	580.99	60.33	282.83	286.37	286.84	288.04	0.028	0.006	3.54	3.14	6.41	2.30	121.34	68.17	1.11	110.23	69.14	1.75
272	580.99	85.29	282.02	285.44	286.08	287.50	0.028	0.012	3.42	4.37	7.21	2.14	100.78	57.25	1.42	196.36	57.93	1.74
271	580.99	13.57	281.60	285.09	285.38	286.59	0.028	0.008	3.49	3.74	6.20	1.14	116.95	57.22	1.16	150.03	58.18	2.01
270	580.99	55.60	281.60	284.85	285.24	286.47	0.028	0.007	3.25	3.50	6.40	1.80	115.28	57.44	1.17	144.64	58.49	1.97
269.8	580.99	11.98	281.47	285.41	284.74	285.91	0.028	0.002	3.94	2.00	3.81	1.98	213.87	94.50	0.62	41.97	94.95	2.25
269.2	580.99	50.22	281.39	285.42		285.87	0.028	0.002	4.03	1.98	3.65	1.86	223.95	96.53	0.59	38.56	96.98	2.31
268	580.99	61.98	280.97	285.35		285.77	0.028	0.002	4.38	1.50	3.66	1.90	256.70	151.43	0.58	26.79	151.92	1.69
267	580.99	67.90	280.55	284.42	284.42	285.54	0.028	0.005	3.87	2.73	5.49	3.06	141.69	69.04	0.96	95.93	69.61	2.04
266	580.99	82.06	278.93	282.33	283.24	284.93	0.028	0.010	3.40	2.40	7.69	3.22	94.57	53.74	1.38	172.63	54.74	1.73
265	580.99	72.21	277.62	281.71	282.49	284.02	0.028	0.010	4.09	2.88	7.42	3.10	103.36	64.72	1.35	152.03	65.51	1.58
264	580.99	78.66	276.20	280.98	281.79	283.40	0.028	0.008	4.78	2.41	7.16	1.19	94.90	45.54	1.19	150.55	47.40	2.00
263	580.99	80.52	276.20	280.85	281.34	282.73	0.028	0.006	4.65	2.47	6.47	2.37	110.71	50.53	1.05	116.25	51.66	2.14
262	580.99	82.27	276.20	280.34	280.93	282.24	0.028	0.007	4.14	1.89	6.64	3.34	108.47	52.45	1.14	133.62	53.34	2.03
261	580.99	82.18	275.47	279.49	279.98	281.60	0.028	0.008	4.02	3.84	7.04	2.66	99.82	45.04	1.26	181.04	45.92	2.17
260	580.99	80.04	275.21	279.89	278.92	280.49	0.028	0.002	4.68	2.12	4.02	1.85	196.76	84.18	0.60	37.10	85.48	2.30

ANTE OPERAM
Tabulato $Tr=100$ anni

TABULATO DEI RISULTATI
Ante Operam - Tr = 100 anni

River: Fiume Platani

River	Q Total	Length Chan	Min Ch El	W.S. Elev.	Crit. W.S.	E.G. Elev	Mann Wtd	E.G. Slope	W.S.	Vel Left	Vel Chnl	Vel Right	Flow Area	Top Width	Froude # Ch	Shear Total	W.P. Total	R Idr.
Station	Portata	Distanza parziale	Quota fondo	Quota Pelo libero	Altezza critica	Quota energia	Scabrezza alveo	Pendenza energia	Altezza tirante idrico	Velocità golena sinistra	Velocità canale di magra	Velocità golena destra	Area sezione liquida	Larghezza Superficiale	Numero di Froude	Tensione Trascinamento	Contorno Bagnato	Raggio Idraulico
(Sezione)	[m ³ /s]	[m]	[m.s.m.]	[m.s.m.]	[m.s.m.]	[m.s.m.]	[m ^{1/3} s ⁻¹]	[m/m]	[m]	[m/s]	[m/s]	[m/s]	[m ²]	[m]		[N/m ²]	[m]	[m]
290	482.30	58.47	288.90	292.71		292.85	0.028	0.001	3.81	1.27	1.74	0.72	299.97	157.43	0.38	16.44	158.53	1.89
289	482.30	39.55	288.48	292.68		292.80	0.028	0.001	4.20	0.96	1.60	0.48	318.51	145.05	0.33	13.11	147.17	2.16
288	482.30	35.59	288.48	292.65		292.78	0.028	0.000	4.17	0.62	1.62	0.67	310.88	107.58	0.28	11.63	108.76	2.86
287	482.30	68.64	288.25	291.58	291.58	292.67	0.005	0.000	3.33	1.40	4.72	0.90	113.27	57.13	0.97	3.39	59.03	1.92
286	482.30	25.09	287.58	289.49	290.43	292.46	0.005	0.001	1.91	0.79	7.65	0.54	64.59	54.62	2.00	9.96	55.11	1.17
285	482.30	1.00	287.04	290.85	288.81	290.96	0.005	0.000	3.81	0.32	1.49	0.20	365.37	162.15	0.26	0.25	163.19	2.24
284.5	Bridge																	
284	674.93	78.15	286.74	290.87	288.82	291.01	0.005	0.000	4.13	0.51	1.72	0.24	471.82	173.84	0.28	0.34	174.98	2.70
283	674.93	29.61	285.92	290.33		290.96	0.005	0.000	4.41	0.26	3.52	0.46	192.85	73.68	0.68	2.07	74.53	2.59
282	674.93	21.60	285.74	289.80	289.80	290.91	0.005	0.000	4.06	0.67	4.70	0.97	156.48	86.92	0.95	2.91	87.47	1.79
281	674.93	10.89	285.32	290.35	288.12	290.58	0.028	0.001	5.03	0.98	2.12	0.30	330.69	87.94	0.33	19.00	92.91	3.56
280.5	Culvert																	
280	674.93	21.88	285.28	290.18		290.41	0.028	0.001	4.90	1.07	2.17	0.20	326.51	87.21	0.33	20.07	92.28	3.54
279	674.93	35.60	285.32	289.35	289.35	290.31	0.028	0.005	4.03	1.53	4.42	1.12	167.04	105.38	0.90	72.88	105.89	1.58
278	674.93	30.27	284.99	289.38	288.46	289.77	0.028	0.002	4.39	0.70	2.81	1.02	254.74	115.47	0.53	33.64	115.91	2.20
277	674.93	42.10	284.57	288.59	288.59	289.63	0.028	0.005	4.02	1.38	4.53	1.08	154.55	84.96	0.95	93.58	86.10	1.80
276	674.93	43.16	283.60	288.02	288.32	289.38	0.028	0.005	4.42	2.06	5.72	2.32	155.59	85.97	0.98	88.51	87.40	1.78
275	674.93	44.24	283.53	288.32	287.72	288.96	0.028	0.002	4.79	2.01	3.90	1.76	215.86	93.21	0.65	47.61	94.48	2.28
274	674.93	76.22	283.40	287.69	287.69	288.80	0.028	0.004	4.29	3.00	5.45	2.31	172.85	81.57	0.87	78.53	82.51	2.09
273	674.93	60.33	282.83	286.63	287.15	288.36	0.028	0.006	3.80	3.21	6.63	2.48	140.07	75.05	1.11	112.24	76.05	1.84
272	674.93	85.29	282.02	285.68	286.35	287.84	0.028	0.011	3.66	4.50	7.46	2.46	114.98	60.75	1.41	200.76	61.47	1.87
271	674.93	13.57	281.60	285.31	285.65	286.96	0.028	0.008	3.71	3.97	6.56	1.37	129.32	59.56	1.19	162.31	60.58	2.13
270	674.93	55.60	281.60	285.08	285.51	286.84	0.028	0.007	3.48	3.68	6.72	2.00	129.06	60.73	1.18	153.41	61.85	2.09
269.8	674.93	11.98	281.47	285.76	284.92	286.26	0.028	0.002	4.29	2.04	3.84	2.06	248.42	99.74	0.60	41.59	100.27	2.48
269.2	674.93	50.22	281.39	285.77		286.23	0.028	0.002	4.38	2.02	3.69	1.96	259.15	101.60	0.57	38.49	102.13	2.54
268	674.93	61.98	280.97	285.76	284.80	286.11	0.028	0.001	4.79	1.45	3.46	1.83	324.94	175.64	0.52	22.88	176.24	1.84
267	674.93	67.90	280.55	284.68	284.68	285.89	0.028	0.005	4.13	2.70	5.76	3.23	160.77	76.53	0.97	97.79	77.13	2.08
266	674.93	82.06	278.93	282.58	283.52	285.29	0.028	0.010	3.65	2.28	7.95	3.61	108.92	60.38	1.38	170.97	61.47	1.77
265	674.93	72.21	277.62	281.90	282.75	284.41	0.028	0.010	4.28	3.13	7.84	3.34	116.07	69.33	1.38	164.33	70.15	1.65
264	674.93	78.66	276.20	281.32	282.13	283.80	0.028	0.007	5.12	2.57	7.36	1.51	111.81	52.80	1.17	144.04	54.74	2.04
263	674.93	80.52	276.20	281.15	281.74	283.17	0.028	0.006	4.95	2.51	6.79	2.46	127.17	58.66	1.06	115.00	59.82	2.13
262	674.93	82.27	276.20	280.60	281.27	282.68	0.028	0.007	4.40	1.86	7.02	3.49	123.11	61.59	1.16	131.54	62.50	1.97
261	674.93	82.18	275.47	279.76	280.01	282.04	0.028	0.008	4.29	4.03	7.38	2.88	112.02	47.40	1.27	190.55	48.36	2.32
260	674.93	80.04	275.21	280.22	279.24	280.94	0.028	0.002	5.01	2.11	4.44	1.49	227.63	104.08	0.64	38.73	105.43	2.16

ANTE OPERAM
Tabulato $Tr=300$ anni

TABULATO DEI RISULTATI
Ante Operam - Tr = 300 anni

River: Fiume Platani

River	Q Total	Length Chanel	Min Ch El	W.S. Elev.	Crit. W.S.	E.G. Elev	Mann Wtd	E.G. Slope	W.S.	Vel Left	Vel Chnl	Vel Right	Flow Area	Top Width	Froude # Chl	Shear Total	W.P. Total	R Idr.
Station	Portata	Distanza parziale	Quota fondo	Quota Pelo libero	Altezza critica	Quota energia	Scabrezza alveo	Pendenza energia	Altezza tirante idrico	Velocità golena sinistra	Velocità canale di magra	Velocità golena destra	Area sezione liquida	Larghezza Superficiale	Numero di Froude	Tensione Trascinamento	Contorno Bagnato	Raggio Idraulico
(Sezione)	[m ³ /s]	[m]	[m.s.m.]	[m.s.m.]	[m.s.m.]	[m.s.m.]	[m ^{1/3} s ⁻¹]	[m/m]	[m]	[m/s]	[m/s]	[m/s]	[m ²]	[m]		[N/m ²]	[m]	[m]
290	588,66	58,47	288,90	293,18		293,31	0,035	0,001	4,28	1,27	1,70	0,74	374,56	161,19	0,34	14,73	162,41	2,31
289	588,66	39,55	288,48	293,15		293,27	0,035	0,000	4,67	1,00	1,61	0,55	388,10	149,35	0,30	12,47	151,58	2,56
288	588,66	35,59	288,48	293,11		293,26	0,035	0,000	4,63	0,60	1,72	0,74	364,42	137,60	0,28	10,13	138,87	2,62
287	588,66	68,64	288,25	291,91	291,91	293,14	0,035	0,000	3,66	1,51	5,02	1,04	132,77	60,49	0,97	3,58	62,45	2,13
286	588,66	25,09	287,58	289,73	290,72	292,92	0,035	0,001	2,15	1,13	7,95	0,94	79,37	66,26	1,92	8,92	66,78	1,19
285	588,66	1,00	287,04	291,31	289,02	291,43	0,035	0,000	4,27	0,39	1,56	0,27	442,47	170,69	0,26	0,26	171,80	2,58
284,5	Bridge																	
284	823,57	78,15	286,74	291,33	289,08	291,49	0,035	0,000	4,59	0,58	1,83	0,31	554,60	182,07	0,28	0,37	183,28	3,03
283	823,57	29,61	285,92	290,71		291,43	0,035	0,000	4,79	0,42	3,77	0,61	221,57	76,04	0,68	2,21	77,01	2,88
282	823,57	21,60	285,74	290,14	290,14	291,38	0,035	0,000	4,40	0,91	5,00	0,89	187,76	103,10	0,95	2,81	103,68	1,81
281	823,57	10,89	285,32	290,74	288,42	291,02	0,035	0,001	5,42	1,15	2,36	0,49	365,05	89,89	0,35	22,63	95,01	3,84
280,5	Culvert																	
280	823,57	21,88	285,28	290,50		290,79	0,035	0,001	5,22	1,24	2,45	0,30	354,48	88,83	0,36	24,74	94,04	3,77
279	823,57	35,60	285,32	289,71	289,71	290,69	0,035	0,004	4,39	1,70	4,53	1,34	208,88	126,23	0,87	66,66	126,76	1,65
278	823,57	30,27	284,99	289,76	288,75	290,19	0,035	0,001	4,77	0,87	2,98	1,09	301,22	128,68	0,53	33,72	129,15	2,33
277	823,57	42,10	284,57	288,93	288,93	290,05	0,035	0,005	4,36	1,59	4,74	1,37	185,57	95,75	0,93	90,88	96,99	1,91
276	823,57	43,16	283,60	288,33	288,67	289,81	0,035	0,005	4,73	2,28	6,07	2,55	183,98	94,81	0,99	95,50	96,32	1,91
275	823,57	44,24	283,53	288,70	288,09	289,41	0,035	0,002	5,17	2,14	4,15	1,91	253,10	101,08	0,65	51,02	102,43	2,47
274	823,57	76,22	283,40	288,07	288,07	289,25	0,035	0,004	4,67	3,14	5,73	2,51	205,24	89,65	0,88	83,11	90,64	2,26
273	823,57	60,33	282,83	286,98	287,50	288,82	0,035	0,006	4,15	3,35	6,99	2,72	167,79	84,38	1,12	117,50	85,40	1,96
272	823,57	85,29	282,02	286,04	286,75	288,32	0,035	0,010	4,02	4,65	7,76	2,75	137,75	66,67	1,38	202,96	67,44	2,04
271	823,57	13,57	281,60	285,63	286,05	287,49	0,035	0,008	4,03	4,25	7,00	1,70	149,45	63,18	1,21	176,15	64,29	2,32
270	823,57	55,60	281,60	285,41	285,90	287,37	0,035	0,008	3,81	3,98	7,18	2,26	149,24	64,48	1,21	168,10	65,70	2,27
269,8	823,57	11,98	281,47	286,29	285,34	286,78	0,035	0,001	4,82	2,09	3,87	2,15	303,28	107,55	0,57	40,88	108,18	2,80
269,2	823,57	50,22	281,39	286,30		286,76	0,035	0,001	4,91	2,08	3,77	1,96	315,08	112,12	0,55	37,98	112,70	2,80
268	823,57	61,98	280,97	286,36	285,35	286,63	0,035	0,001	5,39	1,44	3,19	1,72	433,93	186,82	0,45	20,72	187,57	2,31
267	823,57	67,90	280,55	284,92	284,92	286,40	0,035	0,005	4,37	2,85	6,43	3,63	180,57	86,59	1,05	110,60	87,24	2,07
266	823,57	82,06	278,93	282,93	283,89	285,78	0,035	0,009	4,00	2,41	8,32	4,02	131,78	70,46	1,37	170,75	71,65	1,84
265	823,57	72,21	277,62	282,17	283,10	284,95	0,035	0,010	4,55	3,46	8,39	3,67	135,79	75,93	1,42	181,19	76,79	1,77
264	823,57	78,66	276,20	281,84	282,63	284,29	0,035	0,006	5,64	2,78	7,50	1,91	141,80	63,56	1,12	134,80	65,63	2,16
263	823,57	80,52	276,20	281,57	282,24	283,75	0,035	0,005	5,37	2,65	7,18	2,63	154,12	69,96	1,07	115,36	71,15	2,17
262	823,57	82,27	276,20	280,95	281,73	283,24	0,035	0,007	4,75	2,05	7,49	3,70	147,35	74,24	1,18	132,19	75,17	1,96
261	823,57	82,18	275,47	280,34	281,13	282,66	0,035	0,007	4,87	3,60	7,58	2,54	142,90	62,62	1,21	157,67	63,67	2,24
260	823,57	80,04	275,21	280,81	279,77	281,49	0,035	0,002	5,60	1,85	4,49	1,59	300,11	137,69	0,61	34,02	139,07	2,16

POST OPERAM
Tabulato Tr=50 anni

TABULATO DEI RISULTATI
Post Operam - Tr = 50 anni

River: Fiume Platani

River	Q Total	Length Chan	Min Ch El	W.S. Elev.	Crit. W.S.	E.G. Elev	Mann Wtd	E.G. Slope	W.S.	Vel Left	Vel Chnl	Vel Right	Flow Area	Top Width	Froude # Chl	Shear Total	W.P. Total	R Idr.
Station	Portata	Distanza parziale	Quota fondo	Quota Pelo libero	Altezza critica	Quota energia	Scabrezza alveo	Pendenza energia	Altezza tirante idrico	Velocità golena sinistra	Velocità canale di magra	Velocità golena destra	Area sezione liquida	Larghezza Superficiale	Numero di Froude	Tensione Trascinamento	Contorno Bagnato	Raggio Idraulico
(Sezione)	[m ³ /s]	[m]	[m.s.m.]	[m.s.m.]	[m.s.m.]	[m.s.m.]	[m ^{1/3} s ⁻¹]	[m/m]	[m]	[m/s]	[m/s]	[m/s]	[m ²]	[m]		[N/m ²]	[m]	[m]
290	415.08	58.47	288.90	292.39		292.54	0.028	0.001	3.490	1.29	1.79	0.70	250.58	154.98	0.43	18.36	155.99	1.61
289	415.08	39.55	288.48	292.36		292.48	0.028	0.001	3.880	0.93	1.61	0.40	272.30	142.10	0.35	13.85	144.15	1.89
288	415.08	35.59	288.48	292.34		292.46	0.028	0.000	3.860	0.57	1.55	0.62	277.81	103.94	0.28	11.19	105.06	2.64
287	415.08	68.64	288.25	291.35	291.35	292.36	0.005	0.000	3.100	1.33	4.52	0.79	100.35	54.79	0.97	3.27	56.64	1.77
286	415.08	25.09	287.58	289.32	290.24	292.15	0.005	0.001	1.740	0.44	7.46		55.89	46.46	2.07	11.30	46.93	1.19
285	415.08	1.00	287.04	290.53	288.66	290.64	0.005	0.000	3.490	0.25	1.43	0.15	316.07	153.72	0.26	0.24	154.71	2.04
284.5	Bridge								0.000									
284	580.99	78.15	286.74	290.56	288.66	290.69	0.005	0.000	3.820	0.45	1.63	0.21	418.79	166.28	0.28	0.32	167.38	2.50
283	580.99	29.61	285.92	290.07		290.64	0.005	0.000	4.150	0.09	3.35	0.36	174.04	71.96	0.68	1.97	72.72	2.39
282	580.99	21.60	285.74	289.56	289.56	290.59	0.005	0.000	3.820	0.46	4.52	0.87	136.23	80.74	0.96	2.88	81.27	1.68
281	580.99	10.89	285.32	290.08	287.93	290.27	0.028	0.001	4.760	0.88	1.96	0.18	306.95	85.61	0.31	16.83	90.52	3.39
280.5	Culvert								0.000									
280	580.99	21.88	285.28	289.93		290.13	0.028	0.001	4.650	0.95	1.99	0.09	305.23	86.18	0.32	17.33	91.12	3.35
279	580.99	35.60	285.32	289.10	289.10	290.03	0.028	0.005	3.780	1.38	4.31	0.95	142.59	91.00	0.93	79.16	91.49	1.56
278	580.99	30.27	284.99	289.11	288.27	289.47	0.028	0.002	4.120	0.56	2.71	0.92	224.24	108.41	0.54	33.49	108.83	2.06
277	580.99	42.10	284.57	288.35	288.35	289.33	0.028	0.006	3.780	1.21	4.40	0.83	134.67	76.99	0.97	98.07	78.07	1.72
276	580.99	43.16	283.60	287.79	288.05	289.08	0.028	0.005	4.190	1.91	5.47	2.15	136.71	79.53	0.97	84.13	80.92	1.69
275	580.99	44.24	283.53	288.03	287.48	288.64	0.028	0.002	4.500	1.92	3.75	1.65	190.18	87.61	0.65	45.82	88.80	2.14
274	580.99	76.22	283.40	287.43	287.43	288.47	0.028	0.004	4.030	2.90	5.23	2.16	152.34	75.95	0.87	74.78	76.85	1.98
273	580.99	60.33	282.83	286.37	286.84	288.04	0.028	0.006	3.540	3.14	6.41	2.30	121.34	68.17	1.11	110.23	69.14	1.75
272	580.99	85.29	282.02	285.44	286.08	287.50	0.028	0.012	3.420	4.37	7.21	2.14	100.78	57.25	1.42	196.36	57.93	1.74
271	580.99	13.57	281.60	285.09	285.38	286.59	0.028	0.008	3.490	3.74	6.20	1.14	116.95	57.22	1.16	150.03	58.18	2.01
270	580.99	55.60	281.60	284.85	285.24	286.47	0.028	0.007	3.250	3.50	6.40	1.80	115.28	57.44	1.17	144.64	58.49	1.97
269.8	580.99	0.74	281.47	285.35	285.17	286.11	0.028	0.003	3.880	1.55	4.47	2.49	182.59	101.89	0.75	48.82	103.21	1.77
269.5	Bridge								0.000									
269.2	580.99	50.22	281.47	285.17	285.17	286.06	0.028	0.004	3.700	2.36	5.06	2.90	164.50	95.66	0.91	74.44	96.95	1.70
268	580.99	61.98	280.97	285.35	284.45	285.77	0.028	0.002	4.380	1.50	3.66	1.90	256.70	151.43	0.58	26.79	151.92	1.69
267	580.99	67.90	280.55	284.42	284.42	285.54	0.028	0.005	3.870	2.73	5.49	3.06	141.69	69.04	0.96	95.93	69.61	2.04
266	580.99	82.06	278.93	282.33	283.24	284.93	0.028	0.010	3.400	2.40	7.69	3.22	94.57	53.74	1.38	172.63	54.74	1.73
265	580.99	72.21	277.62	281.71	282.49	284.02	0.028	0.010	4.090	2.88	7.42	3.10	103.36	64.72	1.35	152.03	65.51	1.58
264	580.99	78.66	276.20	280.98	281.79	283.40	0.028	0.008	4.780	2.41	7.16	1.19	94.90	45.54	1.19	150.55	47.40	2.00
263	580.99	80.52	276.20	280.85	281.34	282.73	0.028	0.006	4.650	2.47	6.47	2.37	110.71	50.53	1.05	116.25	51.66	2.14
262	580.99	82.27	276.20	280.34	280.93	282.24	0.028	0.007	4.140	1.89	6.64	3.34	108.47	52.45	1.14	133.62	53.34	2.03
261	580.99	82.18	275.47	279.49	279.98	281.60	0.028	0.008	4.020	3.84	7.04	2.66	99.82	45.04	1.26	181.04	45.92	2.17
260	580.99	80.04	275.21	279.89	278.92	280.49	0.028	0.002	4.680	2.12	4.02	1.85	196.76	84.18	0.60	37.10	85.48	2.30

POST OPERAM
Tabulato Tr=100 anni

TABULATO DEI RISULTATI
Post Operam - Tr = 100 anni

River: Fiume Platani

River	Q Total	Length Chanel	Min Ch El	W.S. Elev.	Crit. W.S.	E.G. Elev	Mann Wtd	E.G. Slope	W.S.	Vel Left	Vel Chnl	Vel Right	Flow Area	Top Width	Froude # Chl	Shear Total	W.P. Total	R Idr.
Station	Portata	Distanza parziale	Quota fondo	Quota Pelo libero	Altezza critica	Quota energia	Scabrezza alveo	Pendenza energia	Altezza tirante idrico	Velocità golena sinistra	Velocità canale di magra	Velocità golena destra	Area sezione liquida	Larghezza Superficiale	Numero di Froude	Tensione Trascinamento	Contorno Bagnato	Raggio Idraulico
(Sezione)	[m ³ /s]	[m]	[m.s.m.]	[m.s.m.]	[m.s.m.]	[m.s.m.]	[m ^{1/3} s ⁻¹]	[m/m]	[m]	[m/s]	[m/s]	[m/s]	[m ²]	[m]		[N/m ²]	[m]	[m]
290	482.30	58.47	288.90	292.71		292.85	0.028	0.001	3.950	1.27	1.74	1.74	299.97	157.43	0.38	16.44	158.53	1.89
289	482.30	39.55	288.48	292.68		292.80	0.028	0.001	4.320	0.96	1.60	1.60	318.51	145.05	0.33	13.11	147.17	2.16
288	482.30	35.59	288.48	292.65		292.78	0.028	0.000	4.300	0.62	1.62	1.62	310.88	107.58	0.28	11.63	108.76	2.86
287	482.30	68.64	288.25	291.58	291.58	292.67	0.005	0.000	4.420	1.40	4.72	4.72	113.27	57.13	0.97	3.39	59.03	1.92
286	482.30	25.09	287.58	289.49	290.43	292.46	0.005	0.001	4.880	0.79	7.65	7.65	64.59	54.62	2.00	9.96	55.11	1.17
285	482.30	1.00	287.04	290.85	288.81	290.96	0.005	0.000	3.920	0.32	1.49	1.49	365.37	162.15	0.26	0.25	163.19	2.24
284.5	Bridge								0.000									
284	674.93	78.15	286.74	290.87	288.82	291.01	0.005	0.000	4.270	0.51	1.72	1.72	471.82	173.84	0.28	0.34	174.98	2.70
283	674.93	29.61	285.92	290.33		290.96	0.005	0.000	5.040	0.26	3.52	3.52	192.85	73.68	0.68	2.07	74.53	2.59
282	674.93	21.60	285.74	289.80	289.80	290.91	0.005	0.000	5.170	0.67	4.70	4.70	156.48	86.92	0.95	2.91	87.47	1.79
281	674.93	10.89	285.32	290.35	288.12	290.58	0.028	0.001	5.260	0.98	2.12	2.12	330.69	87.94	0.33	19.00	92.91	3.56
280.5	Culvert								0.000									
280	674.93	21.88	285.28	290.18		290.41	0.028	0.001	5.130	1.07	2.17	2.17	326.51	87.21	0.33	20.07	92.28	3.54
279	674.93	35.60	285.32	289.35	289.35	290.31	0.028	0.005	4.990	1.53	4.42	4.42	167.04	105.38	0.90	72.88	105.89	1.58
278	674.93	30.27	284.99	289.38	288.46	289.77	0.028	0.002	4.780	0.70	2.81	2.81	254.74	115.47	0.53	33.64	115.91	2.20
277	674.93	42.10	284.57	288.59	288.59	289.63	0.028	0.005	5.060	1.38	4.53	4.53	154.55	84.96	0.95	93.58	86.10	1.80
276	674.93	43.16	283.60	288.02	288.32	289.38	0.028	0.005	5.780	2.06	5.72	5.72	155.59	85.97	0.98	88.51	87.40	1.78
275	674.93	44.24	283.53	288.32	287.72	288.96	0.028	0.002	5.430	2.01	3.90	3.90	215.86	93.21	0.65	47.61	94.48	2.28
274	674.93	76.22	283.40	287.69	287.69	288.80	0.028	0.004	5.400	3.00	5.45	5.45	172.85	81.57	0.87	78.53	82.51	2.09
273	674.93	60.33	282.83	286.63	287.15	288.36	0.028	0.006	5.530	3.21	6.63	6.63	140.07	75.05	1.11	112.24	76.05	1.84
272	674.93	85.29	282.02	285.68	286.35	287.84	0.028	0.011	5.820	4.50	7.46	7.46	114.98	60.75	1.41	200.76	61.47	1.87
271	674.93	13.57	281.60	285.31	285.65	286.96	0.028	0.008	5.360	3.97	6.56	6.56	129.32	59.56	1.19	162.31	60.58	2.13
270	674.93	55.60	281.60	285.08	285.51	286.84	0.028	0.007	5.240	3.68	6.72	6.72	129.06	60.73	1.18	153.41	61.85	2.09
269.8	674.93	0.74	281.47	285.74	285.43	286.43	0.028	0.002	4.960	1.61	4.34	4.34	224.76	113.77	0.69	44.35	115.17	1.95
269.5	Bridge								0.000									
269.2	674.93	50.22	281.47	285.60	285.40	286.35	0.028	0.003	4.880	2.23	4.77	4.77	208.25	109.45	0.80	61.84	110.82	1.88
268	674.93	61.98	280.97	285.76	284.80	286.11	0.028	0.001	5.140	1.45	3.46	3.46	324.94	175.64	0.52	22.88	176.24	1.84
267	674.93	67.90	280.55	284.68	284.68	285.89	0.028	0.005	5.340	2.70	5.76	5.76	160.77	76.53	0.97	97.79	77.13	2.08
266	674.93	82.06	278.93	282.58	283.52	285.29	0.028	0.010	6.360	2.28	7.95	7.95	108.92	60.38	1.38	170.97	61.47	1.77
265	674.93	72.21	277.62	281.90	282.75	284.41	0.028	0.010	6.790	3.13	7.84	7.84	116.07	69.33	1.38	164.33	70.15	1.65
264	674.93	78.66	276.20	281.32	282.13	283.80	0.028	0.007	7.600	2.57	7.36	7.36	111.81	52.80	1.17	144.04	54.74	2.04
263	674.93	80.52	276.20	281.15	281.74	283.17	0.028	0.006	6.970	2.51	6.79	6.79	127.17	58.66	1.06	115.00	59.82	2.13
262	674.93	82.27	276.20	280.60	281.27	282.68	0.028	0.007	6.480	1.86	7.02	7.02	123.11	61.59	1.16	131.54	62.50	1.97
261	674.93	82.18	275.47	279.76	280.01	282.04	0.028	0.008	6.570	4.03	7.38	7.38	112.02	47.40	1.27	190.55	48.36	2.32
260	674.93	80.04	275.21	280.22	279.24	280.94	0.028	0.002	5.730	2.11	4.44	4.44	227.63	104.08	0.64	38.73	105.43	2.16

POST OPERAM
Tabulato Tr=300 anni

TABULATO DEI RISULTATI
Post Operam - Tr = 300 anni

River: Fiume Platani

River	Q Total	Length Chanel	Min Ch El	W.S. Elev.	Crit. W.S.	E.G. Elev	Mann Wtd	E.G. Slope	W.S.	Vel Left	Vel Chnl	Vel Right	Flow Area	Top Width	Froude # Chl	Shear Total	W.P. Total	R Idr.
Station	Portata	Distanza parziale	Quota fondo	Quota Pelo libero	Altezza critica	Quota energia	Scabrezza alveo	Pendenza energia	Altezza tirante idrico	Velocità golena sinistra	Velocità canale di magra	Velocità golena destra	Area sezione liquida	Larghezza Superficiale	Numero di Froude	Tensione Trascinamento	Contorno Bagnato	Raggio Idraulico
(Sezione)	[m ³ /s]	[m]	[m.s.m.]	[m.s.m.]	[m.s.m.]	[m.s.m.]	[m ^{1/3} s ⁻¹]	[m/m]	[m]	[m/s]	[m/s]	[m/s]	[m ²]	[m]		[N/m ²]	[m]	[m]
290	588.66	58.47	288.90	293.18		293.31	0.035	0.001	4.28	1.27	1.70	0.74	374.56	161.19	0.34	14.73	162.41	2.31
289	588.66	39.55	288.48	293.15		293.27	0.035	0.000	4.67	1.00	1.61	0.55	388.10	149.35	0.30	12.47	151.58	2.56
288	588.66	35.59	288.48	293.11		293.26	0.035	0.000	4.63	0.60	1.72	0.74	364.42	137.60	0.28	10.13	138.87	2.62
287	588.66	68.64	288.25	291.91	291.91	293.14	0.035	0.000	3.66	1.51	5.02	1.04	132.77	60.49	0.97	3.58	62.45	2.13
286	588.66	25.09	287.58	289.73	290.72	292.92	0.035	0.001	2.15	1.13	7.95	0.94	79.37	66.26	1.92	8.92	66.78	1.19
285	588.66	1.00	287.04	291.31	289.02	291.43	0.035	0.000	4.27	0.39	1.56	0.27	442.47	170.69	0.26	0.26	171.80	2.58
284.5	Bridge																	
284	823.57	78.15	286.74	291.33	289.08	291.49	0.035	0.000	4.59	0.58	1.83	0.31	554.60	182.07	0.28	0.37	183.28	3.03
283	823.57	29.61	285.92	290.71		291.43	0.035	0.000	4.79	0.42	3.77	0.61	221.57	76.04	0.68	2.21	77.01	2.88
282	823.57	21.60	285.74	290.14	290.14	291.38	0.035	0.000	4.40	0.91	5.00	0.89	187.76	103.10	0.95	2.81	103.68	1.81
281	823.57	10.89	285.32	290.74	288.42	291.02	0.035	0.001	5.42	1.15	2.36	0.49	365.05	89.89	0.35	22.63	95.01	3.84
280.5	Culvert																	
280	823.57	21.88	285.28	290.50		290.79	0.035	0.001	5.22	1.24	2.45	0.30	354.48	88.83	0.36	24.74	94.04	3.77
279	823.57	35.60	285.32	289.71	289.71	290.69	0.035	0.004	4.39	1.70	4.53	1.34	208.88	126.23	0.87	66.66	126.76	1.65
278	823.57	30.27	284.99	289.76	288.75	290.19	0.035	0.001	4.77	0.87	2.98	1.09	301.22	128.68	0.53	33.72	129.15	2.33
277	823.57	42.10	284.57	288.93	288.93	290.05	0.035	0.005	4.36	1.59	4.74	1.37	185.57	95.75	0.93	90.88	96.99	1.91
276	823.57	43.16	283.60	288.33	288.67	289.81	0.035	0.005	4.73	2.28	6.07	2.55	183.98	94.81	0.99	95.50	96.32	1.91
275	823.57	44.24	283.53	288.70	288.09	289.41	0.035	0.002	5.17	2.14	4.15	1.91	253.10	101.08	0.65	51.02	102.43	2.47
274	823.57	76.22	283.40	288.07	288.07	289.25	0.035	0.004	4.67	3.14	5.73	2.51	205.24	89.65	0.88	83.11	90.64	2.26
273	823.57	60.33	282.83	286.98	287.50	288.82	0.035	0.006	4.15	3.35	6.99	2.72	167.79	84.38	1.12	117.50	85.40	1.96
272	823.57	85.29	282.02	286.04	286.75	288.32	0.035	0.010	4.02	4.65	7.76	2.75	137.75	66.67	1.38	202.96	67.44	2.04
271	823.57	13.57	281.60	285.63	286.05	287.49	0.035	0.008	4.03	4.25	7.00	1.70	149.45	63.18	1.21	176.15	64.29	2.32
270	823.57	55.60	281.60	285.41	285.90	287.37	0.035	0.008	3.81	3.98	7.18	2.26	149.24	64.48	1.21	168.10	65.70	2.27
269.8	823.57	0.74	281.47	286.30	285.78	286.88	0.035	0.002	4.83	1.79	4.14	2.44	289.93	119.16	0.62	41.83	120.79	2.40
269.5	Bridge																	
269.2	823.57	50.22	281.47	286.23		286.81	0.035	0.002	4.76	2.20	4.30	2.61	281.62	118.85	0.67	50.46	120.45	2.34
268	823.57	61.98	280.97	286.36	285.35	286.63	0.035	0.001	5.39	1.44	3.19	1.72	433.93	186.82	0.45	20.72	187.57	2.31
267	823.57	67.90	280.55	284.92	284.92	286.40	0.035	0.005	4.37	2.85	6.43	3.63	180.57	86.59	1.05	110.60	87.24	2.07
266	823.57	82.06	278.93	282.93	283.89	285.78	0.035	0.009	4.00	2.41	8.32	4.02	131.78	70.46	1.37	170.75	71.65	1.84
265	823.57	72.21	277.62	282.17	283.10	284.95	0.035	0.010	4.55	3.46	8.39	3.67	135.79	75.93	1.42	181.19	76.79	1.77
264	823.57	78.66	276.20	281.84	282.63	284.29	0.035	0.006	5.64	2.78	7.50	1.91	141.80	63.56	1.12	134.80	65.63	2.16
263	823.57	80.52	276.20	281.57	282.24	283.75	0.035	0.005	5.37	2.65	7.18	2.63	154.12	69.96	1.07	115.36	71.15	2.17
262	823.57	82.27	276.20	280.95	281.73	283.24	0.035	0.007	4.75	2.05	7.49	3.70	147.35	74.24	1.18	132.19	75.17	1.96
261	823.57	82.18	275.47	280.34	281.13	282.66	0.035	0.007	4.87	3.60	7.58	2.54	142.90	62.62	1.21	157.67	63.67	2.24
260	823.57	80.04	275.21	280.81	279.77	281.49	0.035	0.002	5.60	1.85	4.49	1.59	300.11	137.69	0.61	34.02	139.07	2.16

Confronto Ante e Post Operam
Tabulato Tr=50 anni

TABULATO DEI RISULTATI - Fiume Platani

Confronto Tr = 50 anni

River Station (Sezione)	Plan (Piano)	Q Total (Portata) [m ³ /s]	Length Chanel (Distanza parziale) [m]	Min Ch El (Quota fondo) [m.s.m.]	W.S. Elev. (Quota livello idrico) [m.s.m.]	Crit. W.S. (Quota altezza critica) [m.s.m.]	EG Elev (Quota energia) [m.s.m.]	Mann Wtd (Scabrezza alveo) [m ^{1/3} s ⁻¹]	E.G. Slope (Pendenza energia) [m/m]	W.S. (Altezza tirante idrico) [m]	Vel Left (Velocità golena sinistra) [m/s]	Vel Chnl (Velocità canale di magra) [m/s]	Vel Right (Velocità golena destra) [m/s]	Flow Area (Area sezione liquida) [m ²]	Top Width (Larghezza Superfic.) [m]	Froude # Chl (n° Froude)	Shear Total (Tensione di trascinamento) [N/m ²]	W.P. Total (Contorno bagnato) [m]	R Hydr. (Raggio idraulico) [m]
290	A.O.	415.08	58.47	288.90	292.39		292.54	0.028	0.001	3.49	1.29	1.79	0.70	250.58	154.98	0.43	18.36	155.99	1.61
290	P.O.	415.08	58.47	288.90	292.39		292.54	0.028	0.001	3.49	1.29	1.79	0.70	250.58	154.98	0.43	18.36	155.99	1.61
Variazione		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
289	A.O.	415.08	39.55	288.48	292.36		292.48	0.028	0.001	3.88	0.93	1.61	0.40	272.30	142.10	0.35	13.85	144.15	1.89
289	P.O.	415.08	39.55	288.48	292.36		292.48	0.028	0.001	3.88	0.93	1.61	0.40	272.30	142.10	0.35	13.85	144.15	1.89
Variazione		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
288	A.O.	415.08	35.59	288.48	292.34		292.46	0.028	0.000	3.86	0.57	1.55	0.62	277.81	103.94	0.28	11.19	105.06	2.64
288	P.O.	415.08	35.59	288.48	292.34		292.46	0.028	0.000	3.86	0.57	1.55	0.62	277.81	103.94	0.28	11.19	105.06	2.64
Variazione		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
287	A.O.	415.08	68.64	288.25	291.35	291.35	292.36	0.005	0.000	3.10	1.33	4.52	0.79	100.35	54.79	0.97	3.27	56.64	1.77
287	P.O.	415.08	68.64	288.25	291.35	291.35	292.36	0.005	0.000	3.10	1.33	4.52	0.79	100.35	54.79	0.97	3.27	56.64	1.77
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
286	A.O.	415.08	25.09	287.58	289.32	290.24	292.15	0.005	0.001	1.74	0.44	7.46		55.89	46.46	2.07	11.30	46.93	1.19
286	P.O.	415.08	25.09	287.58	289.32	290.24	292.15	0.005	0.001	1.74	0.44	7.46		55.89	46.46	2.07	11.30	46.93	1.19
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285	A.O.	415.08	1.00	287.04	290.53	288.66	290.64	0.005	0.000	3.49	0.25	1.43	0.15	316.07	153.72	0.26	0.24	154.71	2.04
285	P.O.	415.08	1.00	287.04	290.53	288.66	290.64	0.005	0.000	3.49	0.25	1.43	0.15	316.07	153.72	0.26	0.24	154.71	2.04
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
284	A.O.	580.99	78.15	286.74	290.56	288.66	290.69	0.005	0.000	3.82	0.45	1.63	0.21	418.79	166.28	0.28	0.32	167.38	2.50
284	P.O.	580.99	78.15	286.74	290.56	288.66	290.69	0.005	0.000	3.82	0.45	1.63	0.21	418.79	166.28	0.28	0.32	167.38	2.50
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
283	A.O.	580.99	29.61	285.92	290.07		290.64	0.005	0.000	4.15	0.09	3.35	0.36	174.04	71.96	0.68	1.97	72.72	2.39
283	P.O.	580.99	29.61	285.92	290.07		290.64	0.005	0.000	4.15	0.09	3.35	0.36	174.04	71.96	0.68	1.97	72.72	2.39
Variazione		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
282	A.O.	580.99	21.60	285.74	289.56	289.56	290.59	0.005	0.000	3.82	0.46	4.52	0.87	136.23	80.74	0.96	2.88	81.27	1.68
282	P.O.	580.99	21.60	285.74	289.56	289.56	290.59	0.005	0.000	3.82	0.46	4.52	0.87	136.23	80.74	0.96	2.88	81.27	1.68
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
281	A.O.	580.99	10.89	285.32	290.08	287.93	290.27	0.028	0.001	4.76	0.88	1.96	0.18	306.95	85.61	0.31	16.83	90.52	3.39
281	P.O.	580.99	10.89	285.32	290.08	287.93	290.27	0.028	0.001	4.76	0.88	1.96	0.18	306.95	85.61	0.31	16.83	90.52	3.39
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
280	A.O.	580.99	21.88	285.28	289.93		290.13	0.028	0.001	4.65	0.95	1.99	0.09	305.23	86.18	0.32	17.33	91.12	3.35
280	P.O.	580.99	21.88	285.28	289.93		290.13	0.028	0.001	4.65	0.95	1.99	0.09	305.23	86.18	0.32	17.33	91.12	3.35
Variazione		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
279	A.O.	580.99	35.60	285.32	289.10	289.10	290.03	0.028	0.005	3.78	1.38	4.31	0.95	142.59	91.00	0.93	79.16	91.49	1.56
279	P.O.	580.99	35.60	285.32	289.10	289.10	290.03	0.028	0.005	3.78	1.38	4.31	0.95	142.59	91.00	0.93	79.16	91.49	1.56
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
278	A.O.	580.99	30.27	284.99	289.11	288.27	289.47	0.028	0.002	4.12	0.56	2.71	0.92	224.24	108.41	0.54	33.49	108.83	2.06
278	P.O.	580.99	30.27	284.99	289.11	288.27	289.47	0.028	0.002	4.12	0.56	2.71	0.92	224.24	108.41	0.54	33.49	108.83	2.06

TABULATO DEI RISULTATI - Fiume Platani

Confronto Tr = 50 anni

River Station (Sezione)	Plan (Piano)	Q Total (Portata) [m ³ /s]	Length Chanel (Distanza parziale) [m]	Min Ch El (Quota fondo) [m.s.m.]	W.S. Elev. (Quota livello idrico) [m.s.m.]	Crit. W.S. (Quota altezza critica) [m.s.m.]	EG Elev (Quota energia) [m.s.m.]	Mann Wtd (Scabrezza alveo) [m ^{1/3} s ⁻¹]	E.G. Slope (Pendenza energia) [m/m]	W.S. (Altezza tirante idrico) [m]	Vel Left (Velocità golena sinistra) [m/s]	Vel Chnl (Velocità canale di magra) [m/s]	Vel Right (Velocità golena destra) [m/s]	Flow Area (Area sezione liquida) [m ²]	Top Width (Larghezza Superfic.) [m]	Froude # Chl (n° Froude)	Shear Total (Tensione di trascinamento) [N/m ²]	W.P. Total (Contorno bagnato) [m]	R Hydr. (Raggio idraulico) [m]
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
277	A.O.	580.99	42.10	284.57	288.35	288.35	289.33	0.028	0.006	3.78	1.21	4.40	0.83	134.67	76.99	0.97	98.07	78.07	1.72
277	P.O.	580.99	42.10	284.57	288.35	288.35	289.33	0.028	0.006	3.78	1.21	4.40	0.83	134.67	76.99	0.97	98.07	78.07	1.72
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
276	A.O.	580.99	43.16	283.60	287.79	288.05	289.08	0.028	0.005	4.19	1.91	5.47	2.15	136.71	79.53	0.97	84.13	80.92	1.69
276	P.O.	580.99	43.16	283.60	287.79	288.05	289.08	0.028	0.005	4.19	1.91	5.47	2.15	136.71	79.53	0.97	84.13	80.92	1.69
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
275	A.O.	580.99	44.24	283.53	288.03	287.48	288.64	0.028	0.002	4.50	1.92	3.75	1.65	190.18	87.61	0.65	45.82	88.80	2.14
275	P.O.	580.99	44.24	283.53	288.03	287.48	288.64	0.028	0.002	4.50	1.92	3.75	1.65	190.18	87.61	0.65	45.82	88.80	2.14
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
274	A.O.	580.99	76.22	283.40	287.43	287.43	288.47	0.028	0.004	4.03	2.90	5.23	2.16	152.34	75.95	0.87	74.78	76.85	1.98
274	P.O.	580.99	76.22	283.40	287.43	287.43	288.47	0.028	0.004	4.03	2.90	5.23	2.16	152.34	75.95	0.87	74.78	76.85	1.98
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
273	A.O.	580.99	60.33	282.83	286.37	286.84	288.04	0.028	0.006	3.54	3.14	6.41	2.30	121.34	68.17	1.11	110.23	69.14	1.75
273	P.O.	580.99	60.33	282.83	286.37	286.84	288.04	0.028	0.006	3.54	3.14	6.41	2.30	121.34	68.17	1.11	110.23	69.14	1.75
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
272	A.O.	580.99	85.29	282.02	285.44	286.08	287.50	0.028	0.012	3.42	4.37	7.21	2.14	100.78	57.25	1.42	196.36	57.93	1.74
272	P.O.	580.99	85.29	282.02	285.44	286.08	287.50	0.028	0.012	3.42	4.37	7.21	2.14	100.78	57.25	1.42	196.36	57.93	1.74
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
271	A.O.	580.99	13.57	281.60	285.09	285.38	286.59	0.028	0.008	3.49	3.74	6.20	1.14	116.95	57.22	1.16	150.03	58.18	2.01
271	P.O.	580.99	13.57	281.60	285.09	285.38	286.59	0.028	0.008	3.49	3.74	6.20	1.14	116.95	57.22	1.16	150.03	58.18	2.01
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270	A.O.	580.99	55.60	281.60	284.85	285.24	286.47	0.028	0.007	3.25	3.50	6.40	1.80	115.28	57.44	1.17	144.64	58.49	1.97
270	P.O.	580.99	55.60	281.60	284.85	285.24	286.47	0.028	0.007	3.25	3.50	6.40	1.80	115.28	57.44	1.17	144.64	58.49	1.97
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
269.8	A.O.	580.99	11.98	281.47	285.41	284.74	285.91	0.028	0.002	3.94	2.00	3.81	1.98	213.87	94.50	0.62	41.97	94.95	2.25
269.8	P.O.	580.99	0.74	281.47	285.35	285.17	286.11	0.028	0.003	3.88	1.55	4.47	2.49	182.59	101.89	0.75	48.82	103.21	1.77
Variazione		0.00	-11.24	0.00	-0.06	0.43	0.20	0.00	0.00	-0.06	-0.45	0.66	0.51	-31.28	7.39	0.13	6.85	8.26	-0.48
Variazioni % = (PO - AO)/AO		0.00	-93.82	0.00	-0.02	0.15	0.07	0.00	48.11	-1.52	-22.50	17.32	25.76	-14.63	7.82	20.97	16.32	8.70	-21.46
269.2	A.O.	580.99	50.22	281.39	285.42		285.87	0.028	0.002	4.03	1.98	3.65	1.86	223.95	96.53	0.59	38.56	96.98	2.31
269.2	P.O.	580.99	50.22	281.47	285.17	285.17	286.06	0.028	0.004	3.70	2.36	5.06	2.90	164.50	95.66	0.91	74.44	96.95	1.70
Variazione		0.00	0.00	0.08	-0.25	285.17	0.19	0.00	0.00	-0.33	0.38	1.41	1.04	-59.45	-0.87	0.32	35.88	-0.03	-0.61
Variazioni % = (PO - AO)/AO		0.00	0.00	0.03	-0.09		0.07	0.00	162.71	-8.19	19.19	38.63	55.91	-26.55	-0.90	54.24	93.05	-0.03	-26.52
268	A.O.	580.99	61.98	280.97	285.35		285.77	0.028	0.002	4.38	1.50	3.66	1.90	256.70	151.43	0.58	26.79	151.92	1.69
268	P.O.	580.99	61.98	280.97	285.35	284.45	285.77	0.028	0.002	4.38	1.50	3.66	1.90	256.70	151.43	0.58	26.79	151.92	1.69
Variazione		0.00	0.00	0.00	0.00	284.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
267	A.O.	580.99	67.90	280.55	284.42	284.42	285.54	0.028	0.005	3.87	2.73	5.49	3.06	141.69	69.04	0.96	95.93	69.61	2.04
267	P.O.	580.99	67.90	280.55	284.42	284.42	285.54	0.028	0.005	3.87	2.73	5.49	3.06	141.69	69.04	0.96	95.93	69.61	2.04
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
266	A.O.	580.99	82.06	278.93	282.33	283.24	284.93	0.028	0.010	3.40	2.40	7.69	3.22	94.57	53.74	1.38	172.63	54.74	1.73

Confronto Ante e Post Operam
Tabulato Tr=100 anni

TABULATO DEI RISULTATI - Fiume Platani

Confronto Tr = 100 anni

River Station (Sezione)	Plan (Piano)	Q Total (Portata) [m ³ /s]	Length Chanel (Distanza parziale) [m]	Min Ch El (Quota fondo) [m.s.m.]	W.S. Elev. (Quota livello idrico) [m.s.m.]	Crit. W.S. (Quota altezza critica) [m.s.m.]	EG Elev (Quota energia) [m.s.m.]	Mann Wtd (Scabrezza alveo) [m ^{1/3} s ⁻¹]	E.G. Slope (Pendenza energia) [m/m]	W.S. (Altezza tirante idrico) [m]	Vel Left (Velocità golena sinistra) [m/s]	Vel Chnl (Velocità canale di magra) [m/s]	Vel Right (Velocità golena destra) [m/s]	Flow Area (Area sezione liquida) [m ²]	Top Width (Larghezza Superfic.) [m]	Froude # Ch (n° Froude)	Shear Total (Tensione di trascinamento) [N/m ²]	W.P. Total (Contorno bagnato) [m]	R Hydr. (Raggio idraulico) [m]
290	A.O.	482.30	58.47	288.90	292.71		292.85	0.028	0.001	3.81	1.27	1.74	0.72	299.97	157.43	0.38	16.44	158.53	1.89
290	P.O.	482.30	58.47	288.90	292.71		292.85	0.028	0.001	3.81	1.27	1.74	1.74	299.97	157.43	0.38	16.44	158.53	1.89
Variazione		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	141.67	0.00	0.00	0.00	0.00	0.00	0.00
289	A.O.	482.30	39.55	288.48	292.68		292.80	0.028	0.001	4.20	0.96	1.60	0.48	318.51	145.05	0.33	13.11	147.17	2.16
289	P.O.	482.30	39.55	288.48	292.68		292.80	0.028	0.001	4.20	0.96	1.60	1.60	318.51	145.05	0.33	13.11	147.17	2.16
Variazione		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	233.33	0.00	0.00	0.00	0.00	0.00	0.00
288	A.O.	482.30	35.59	288.48	292.65		292.78	0.028	0.000	4.17	0.62	1.62	0.67	310.88	107.58	0.28	11.63	108.76	2.86
288	P.O.	482.30	35.59	288.48	292.65		292.78	0.028	0.000	4.17	0.62	1.62	1.62	310.88	107.58	0.28	11.63	108.76	2.86
Variazione		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	141.79	0.00	0.00	0.00	0.00	0.00	0.00
287	A.O.	482.30	68.64	288.25	291.58	291.58	292.67	0.005	0.000	3.33	1.40	4.72	0.90	113.27	57.13	0.97	3.39	59.03	1.92
287	P.O.	482.30	68.64	288.25	291.58	291.58	292.67	0.005	0.000	3.33	1.40	4.72	4.72	113.27	57.13	0.97	3.39	59.03	1.92
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.82	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	424.44	0.00	0.00	0.00	0.00	0.00	0.00
286	A.O.	482.30	25.09	287.58	289.49	290.43	292.46	0.005	0.001	1.91	0.79	7.65	0.54	64.59	54.62	2.00	9.96	55.11	1.17
286	P.O.	482.30	25.09	287.58	289.49	290.43	292.46	0.005	0.001	1.91	0.79	7.65	7.65	64.59	54.62	2.00	9.96	55.11	1.17
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.11	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1316.67	0.00	0.00	0.00	0.00	0.00	0.00
285	A.O.	482.30	1.00	287.04	290.85	288.81	290.96	0.005	0.000	3.81	0.32	1.49	0.20	365.37	162.15	0.26	0.25	163.19	2.24
285	P.O.	482.30	1.00	287.04	290.85	288.81	290.96	0.005	0.000	3.81	0.32	1.49	1.49	365.37	162.15	0.26	0.25	163.19	2.24
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	645.00	0.00	0.00	0.00	0.00	0.00	0.00
284	A.O.	674.93	78.15	286.74	290.87	288.82	291.01	0.005	0.000	4.13	0.51	1.72	0.24	471.82	173.84	0.28	0.34	174.98	2.70
284	P.O.	674.93	78.15	286.74	290.87	288.82	291.01	0.005	0.000	4.13	0.51	1.72	1.72	471.82	173.84	0.28	0.34	174.98	2.70
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.48	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	616.67	0.00	0.00	0.00	0.00	0.00	0.00
283	A.O.	674.93	29.61	285.92	290.33		290.96	0.005	0.000	4.41	0.26	3.52	0.46	192.85	73.68	0.68	2.07	74.53	2.59
283	P.O.	674.93	29.61	285.92	290.33		290.96	0.005	0.000	4.41	0.26	3.52	3.52	192.85	73.68	0.68	2.07	74.53	2.59
Variazione		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	3.06	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	665.22	0.00	0.00	0.00	0.00	0.00	0.00
282	A.O.	674.93	21.60	285.74	289.80	289.80	290.91	0.005	0.000	4.06	0.67	4.70	0.97	156.48	86.92	0.95	2.91	87.47	1.79
282	P.O.	674.93	21.60	285.74	289.80	289.80	290.91	0.005	0.000	4.06	0.67	4.70	4.70	156.48	86.92	0.95	2.91	87.47	1.79
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.73	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	384.54	0.00	0.00	0.00	0.00	0.00	0.00
281	A.O.	674.93	10.89	285.32	290.35	288.12	290.58	0.028	0.001	5.03	0.98	2.12	0.30	330.69	87.94	0.33	19.00	92.91	3.56
281	P.O.	674.93	10.89	285.32	290.35	288.12	290.58	0.028	0.001	5.03	0.98	2.12	2.12	330.69	87.94	0.33	19.00	92.91	3.56
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.82	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	606.67	0.00	0.00	0.00	0.00	0.00	0.00
280	A.O.	674.93	21.88	285.28	290.18		290.41	0.028	0.001	4.90	1.07	2.17	0.20	326.51	87.21	0.33	20.07	92.28	3.54
280	P.O.	674.93	21.88	285.28	290.18		290.41	0.028	0.001	4.90	1.07	2.17	2.17	326.51	87.21	0.33	20.07	92.28	3.54
Variazione		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	1.97	0.00	0.00	0.00	0.00	0.00	0.00

TABULATO DEI RISULTATI - Fiume Platani

Confronto Tr = 100 anni

River Station (Sezione)	Plan (Piano)	Q Total (Portata) [m ³ /s]	Length Chanel (Distanza parziale) [m]	Min Ch El (Quota fondo) [m.s.m.]	W.S. Elev. (Quota livello idrico) [m.s.m.]	Crit. W.S. (Quota altezza critica) [m.s.m.]	EG Elev (Quota energia) [m.s.m.]	Mann Wtd (Scabrezza alveo) [m ^{1/3} s ⁻¹]	E.G. Slope (Pendenza energia) [m/m]	W.S. (Altezza tirante idrico) [m]	Vel Left (Velocità golena sinistra) [m/s]	Vel Chnl (Velocità canale di magra) [m/s]	Vel Right (Velocità golena destra) [m/s]	Flow Area (Area sezione liquida) [m ²]	Top Width (Larghezza Superfic.) [m]	Froude # Ch (n° Froude)	Shear Total (Tensione di trascinamento) [N/m ²]	W.P. Total (Contorno bagnato) [m]	R Hydr. (Raggio idraulico) [m]
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	985.00	0.00	0.00	0.00	0.00	0.00	0.00
279	A.O.	674.93	35.60	285.32	289.35	289.35	290.31	0.028	0.005	4.03	1.53	4.42	1.12	167.04	105.38	0.90	72.88	105.89	1.58
279	P.O.	674.93	35.60	285.32	289.35	289.35	290.31	0.028	0.005	4.03	1.53	4.42	4.42	167.04	105.38	0.90	72.88	105.89	1.58
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.30	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	294.64	0.00	0.00	0.00	0.00	0.00	0.00
278	A.O.	674.93	30.27	284.99	289.38	288.46	289.77	0.028	0.002	4.39	0.70	2.81	1.02	254.74	115.47	0.53	33.64	115.91	2.20
278	P.O.	674.93	30.27	284.99	289.38	288.46	289.77	0.028	0.002	4.39	0.70	2.81	2.81	254.74	115.47	0.53	33.64	115.91	2.20
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.79	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	175.49	0.00	0.00	0.00	0.00	0.00	0.00
277	A.O.	674.93	42.10	284.57	288.59	288.59	289.63	0.028	0.005	4.02	1.38	4.53	1.08	154.55	84.96	0.95	93.58	86.10	1.80
277	P.O.	674.93	42.10	284.57	288.59	288.59	289.63	0.028	0.005	4.02	1.38	4.53	4.53	154.55	84.96	0.95	93.58	86.10	1.80
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.45	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	319.44	0.00	0.00	0.00	0.00	0.00	0.00
276	A.O.	674.93	43.16	283.60	288.02	288.32	289.38	0.028	0.005	4.42	2.06	5.72	2.32	155.59	85.97	0.98	88.51	87.40	1.78
276	P.O.	674.93	43.16	283.60	288.02	288.32	289.38	0.028	0.005	4.42	2.06	5.72	5.72	155.59	85.97	0.98	88.51	87.40	1.78
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.40	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	146.55	0.00	0.00	0.00	0.00	0.00	0.00
275	A.O.	674.93	44.24	283.53	288.32	287.72	288.96	0.028	0.002	4.79	2.01	3.90	1.76	215.86	93.21	0.65	47.61	94.48	2.28
275	P.O.	674.93	44.24	283.53	288.32	287.72	288.96	0.028	0.002	4.79	2.01	3.90	3.90	215.86	93.21	0.65	47.61	94.48	2.28
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.14	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	121.59	0.00	0.00	0.00	0.00	0.00	0.00
274	A.O.	674.93	76.22	283.40	287.69	287.69	288.80	0.028	0.004	4.29	3.00	5.45	2.31	172.85	81.57	0.87	78.53	82.51	2.09
274	P.O.	674.93	76.22	283.40	287.69	287.69	288.80	0.028	0.004	4.29	3.00	5.45	2.31	172.85	81.57	0.87	78.53	82.51	2.09
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
273	A.O.	674.93	60.33	282.83	286.63	287.15	288.36	0.028	0.006	3.80	3.21	6.63	2.48	140.07	75.05	1.11	112.24	76.05	1.84
273	P.O.	674.93	60.33	282.83	286.63	287.15	288.36	0.028	0.006	3.80	3.21	6.63	2.48	140.07	75.05	1.11	112.24	76.05	1.84
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
272	A.O.	674.93	85.29	282.02	285.68	286.35	287.84	0.028	0.011	3.66	4.50	7.46	2.46	114.98	60.75	1.41	200.76	61.47	1.87
272	P.O.	674.93	85.29	282.02	285.68	286.35	287.84	0.028	0.011	3.66	4.50	7.46	2.46	114.98	60.75	1.41	200.76	61.47	1.87
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
271	A.O.	674.93	13.57	281.60	285.31	285.65	286.96	0.028	0.008	3.71	3.97	6.56	1.37	129.32	59.56	1.19	162.31	60.58	2.13
271	P.O.	674.93	13.57	281.60	285.31	285.65	286.96	0.028	0.008	3.71	3.97	6.56	1.37	129.32	59.56	1.19	162.31	60.58	2.13
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270	A.O.	674.93	55.60	281.60	285.08	285.51	286.84	0.028	0.007	3.48	3.68	6.72	2.00	129.06	60.73	1.18	153.41	61.85	2.09
270	P.O.	674.93	55.60	281.60	285.08	285.51	286.84	0.028	0.007	3.48	3.68	6.72	2.00	129.06	60.73	1.18	153.41	61.85	2.09
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
269.8	A.O.	674.93	11.98	281.47	285.76	284.92	286.26	0.028	0.002	4.29	2.04	3.84	2.06	248.42	99.74	0.60	41.59	100.27	2.48
269.8	P.O.	674.93	0.74	281.47	285.74	285.43	286.43	0.028	0.002	4.27	1.61	4.34	2.49	224.76	113.77	0.69	44.35	115.17	1.95
Variazione		0.00	-11.24	0.00	-0.02	0.51	0.17	0.00	0.00	-0.02	-0.43	0.50	0.43	-23.66	14.03	0.09	2.76	14.90	-0.53
Variazioni % = (PO - AO)/AO		0.00	-93.82	0.00	-0.01	0.18	0.06	0.00	35.34	-0.47	-21.08	13.02	20.87	-9.52	14.07	15.00	6.64	14.86	-21.23
269.2	A.O.	674.93	50.22	281.39	285.77		286.23	0.028	0.002	4.38	2.02	3.69	1.96	259.15	101.60	0.57	38.49	102.13	2.54
269.2	P.O.	674.93	50.22	281.47	285.60	285.40	286.35	0.028	0.003	4.13	2.23	4.77	2.82	208.25	109.45	0.80	61.84	110.82	1.88
Variazione		0.00	0.00	0.08	-0.17		0.12	0.00	0.00	-0.25	0.21	1.08	0.86	-50.90	7.85	0.23	23.35	8.69	-0.66

Confronto Ante e Post Operam
Tabulato Tr=300 anni

TABULATO DEI RISULTATI - Fiume Platani

Confronto Tr = 300 anni

River Station (Sezione)	Plan (Piano)	Q Total (Portata) [m ³ /s]	Length Chanel (Distanza parziale) [m]	Min Ch El (Quota fondo) [m.s.m.]	W.S. Elev. (Quota livello idrico) [m.s.m.]	Crit. W.S. (Quota altezza critica) [m.s.m.]	EG Elev (Quota energia) [m.s.m.]	Mann Wtd (Scabrezza alveo) [m ^{1/3} s ⁻¹]	E.G. Slope (Pendenza energia) [m/m]	W.S. (Altezza tirante idrico) [m]	Vel Left (Velocità golena sinistra) [m/s]	Vel Chnl (Velocità canale di magra) [m/s]	Vel Right (Velocità golena destra) [m/s]	Flow Area (Area sezione liquida) [m ²]	Top Width (Larghezza Superfic.) [m]	Froude # Chl (n° Froude)	Shear Total (Tensione di trascinamento) [N/m ²]	W.P. Total (Contorno bagnato) [m]	R Hydr. (Raggio idraulico) [m]
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
279	A.O.	823.57	35.60	285.32	289.71	289.71	290.69	0.035	0.004	4.39	1.70	4.53	1.34	208.88	126.23	0.87	66.66	126.76	1.65
279	P.O.	823.57	35.60	285.32	289.71	289.71	290.69	0.035	0.004	4.39	1.70	4.53	1.34	208.88	126.23	0.87	66.66	126.76	1.65
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
278	A.O.	823.57	30.27	284.99	289.76	288.75	290.19	0.035	0.001	4.77	0.87	2.98	1.09	301.22	128.68	0.53	33.72	129.15	2.33
278	P.O.	823.57	30.27	284.99	289.76	288.75	290.19	0.035	0.001	4.77	0.87	2.98	1.09	301.22	128.68	0.53	33.72	129.15	2.33
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
277	A.O.	823.57	42.10	284.57	288.93	288.93	290.05	0.035	0.005	4.36	1.59	4.74	1.37	185.57	95.75	0.93	90.88	96.99	1.91
277	P.O.	823.57	42.10	284.57	288.93	288.93	290.05	0.035	0.005	4.36	1.59	4.74	1.37	185.57	95.75	0.93	90.88	96.99	1.91
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
276	A.O.	823.57	43.16	283.60	288.33	288.67	289.81	0.035	0.005	4.73	2.28	6.07	2.55	183.98	94.81	0.99	95.50	96.32	1.91
276	P.O.	823.57	43.16	283.60	288.33	288.67	289.81	0.035	0.005	4.73	2.28	6.07	2.55	183.98	94.81	0.99	95.50	96.32	1.91
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
275	A.O.	823.57	44.24	283.53	288.70	288.09	289.41	0.035	0.002	5.17	2.14	4.15	1.91	253.10	101.08	0.65	51.02	102.43	2.47
275	P.O.	823.57	44.24	283.53	288.70	288.09	289.41	0.035	0.002	5.17	2.14	4.15	1.91	253.10	101.08	0.65	51.02	102.43	2.47
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
274	A.O.	823.57	76.22	283.40	288.07	288.07	289.25	0.035	0.004	4.67	3.14	5.73	2.51	205.24	89.65	0.88	83.11	90.64	2.26
274	P.O.	823.57	76.22	283.40	288.07	288.07	289.25	0.035	0.004	4.67	3.14	5.73	2.51	205.24	89.65	0.88	83.11	90.64	2.26
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
273	A.O.	823.57	60.33	282.83	286.98	287.50	288.82	0.035	0.006	4.15	3.35	6.99	2.72	167.79	84.38	1.12	117.50	85.40	1.96
273	P.O.	823.57	60.33	282.83	286.98	287.50	288.82	0.035	0.006	4.15	3.35	6.99	2.72	167.79	84.38	1.12	117.50	85.40	1.96
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
272	A.O.	823.57	85.29	282.02	286.04	286.75	288.32	0.035	0.010	4.02	4.65	7.76	2.75	137.75	66.67	1.38	202.96	67.44	2.04
272	P.O.	823.57	85.29	282.02	286.04	286.75	288.32	0.035	0.010	4.02	4.65	7.76	2.75	137.75	66.67	1.38	202.96	67.44	2.04
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
271	A.O.	823.57	13.57	281.60	285.63	286.05	287.49	0.035	0.008	4.03	4.25	7.00	1.70	149.45	63.18	1.21	176.15	64.29	2.32
271	P.O.	823.57	13.57	281.60	285.63	286.05	287.49	0.035	0.008	4.03	4.25	7.00	1.70	149.45	63.18	1.21	176.15	64.29	2.32
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
270	A.O.	823.57	55.60	281.60	285.41	285.90	287.37	0.035	0.008	3.81	3.98	7.18	2.26	149.24	64.48	1.21	168.10	65.70	2.27
270	P.O.	823.57	55.60	281.60	285.41	285.90	287.37	0.035	0.008	3.81	3.98	7.18	2.26	149.24	64.48	1.21	168.10	65.70	2.27
Variazione		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Variazioni % = (PO - AO)/AO		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
269.8	A.O.	823.57	11.98	281.47	286.29	285.34	286.78	0.035	0.001	4.82	2.09	3.87	2.15	303.28	107.55	0.57	40.88	108.18	2.80
269.8	P.O.	823.57	0.74	281.47	286.30	285.78	286.88	0.035	0.002	4.83	1.79	4.14	2.44	289.93	119.16	0.62	41.83	120.79	2.40
Variazione		0.00	-11.24	0.00	0.01	0.44	0.10	0.00	0.00	0.01	-0.30	0.27	0.29	-13.35	11.61	0.05	0.95	12.61	-0.40
Variazioni % = (PO - AO)/AO		0.00	-93.82	0.00	0.00	0.15	0.03	0.00	19.50	0.21	-14.35	6.98	13.49	-4.40	10.79	8.77	2.32	11.66	-14.38
269.2	A.O.	823.57	50.22	281.39	286.30		286.76	0.035	0.001	4.91	2.08	3.77	1.96	315.08	112.12	0.55	37.98	112.70	2.80
269.2	P.O.	823.57	50.22	281.47	286.23		286.81	0.035	0.002	4.76	2.20	4.30	2.61	281.62	118.85	0.67	50.46	120.45	2.34
Variazione		0.00	0.00	0.08	-0.07	0.00	0.05	0.00	0.00	-0.15	0.12	0.53	0.65	-33.46	6.73	0.12	12.48	7.75	-0.46

