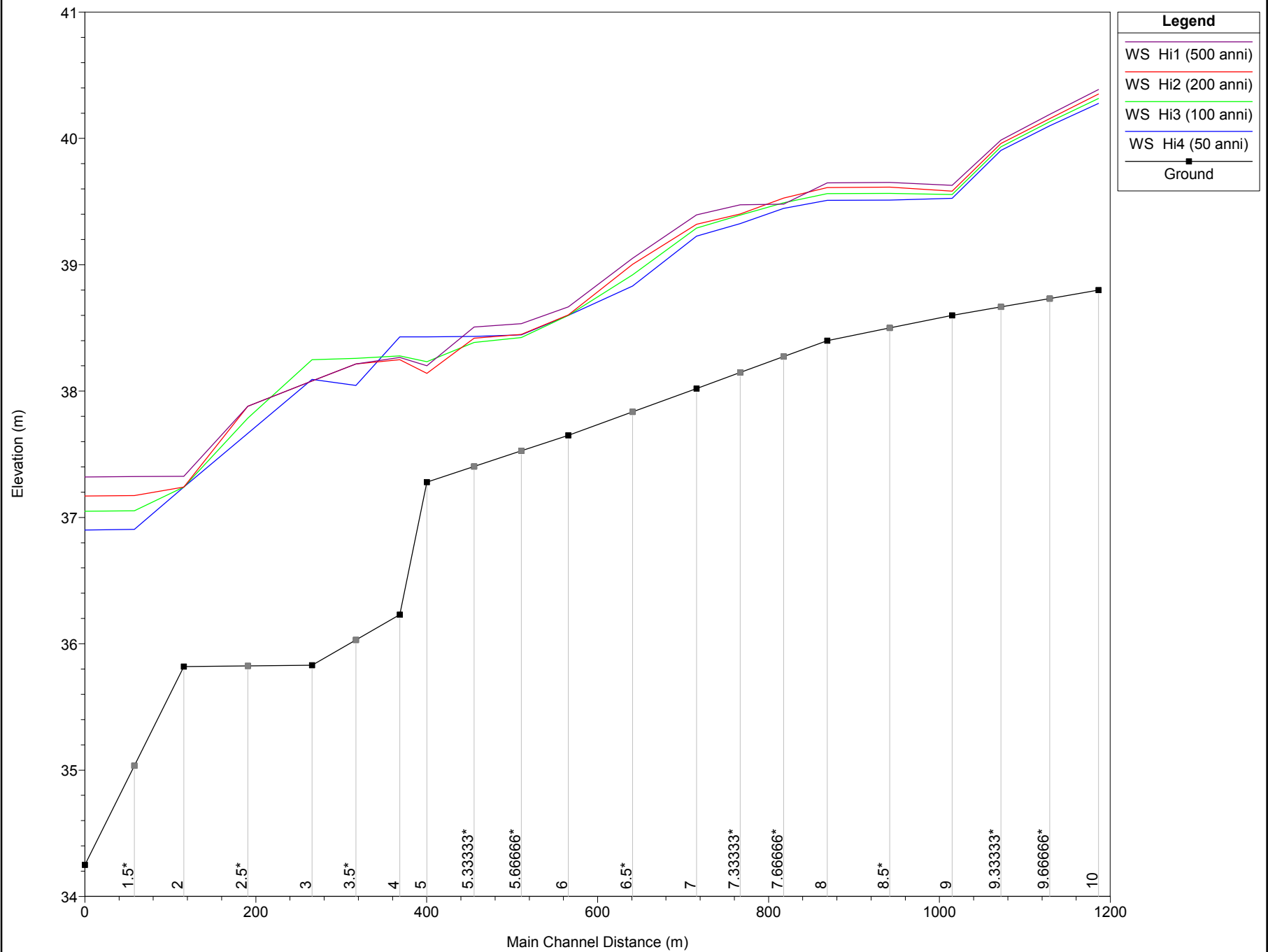


## **Riu Arriana**

Profili di corrente per i tempi di ritorno di 50, 100, 200 e 500 anni

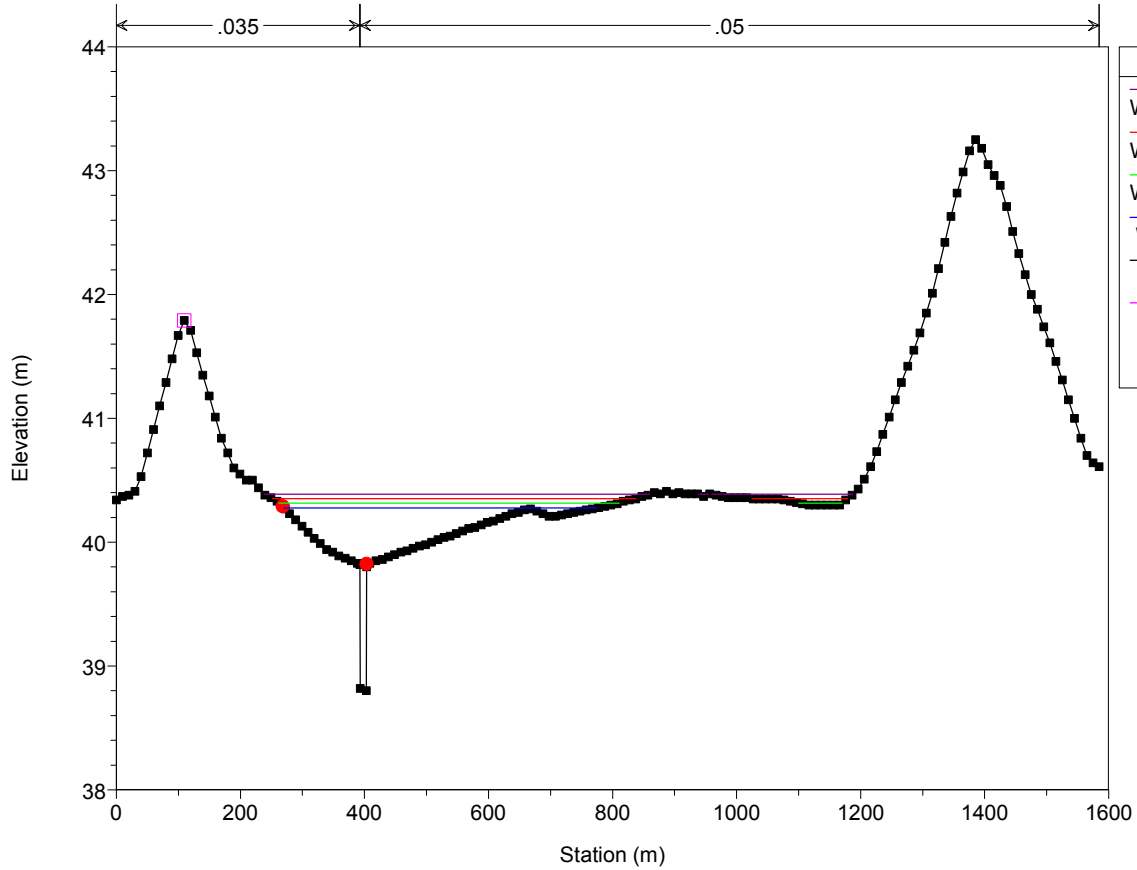
Plan 13



Sezioni di calcolo con livelli idrici per i tempi di ritorno di 50, 100, 200 e 500  
anni

### Plan 13

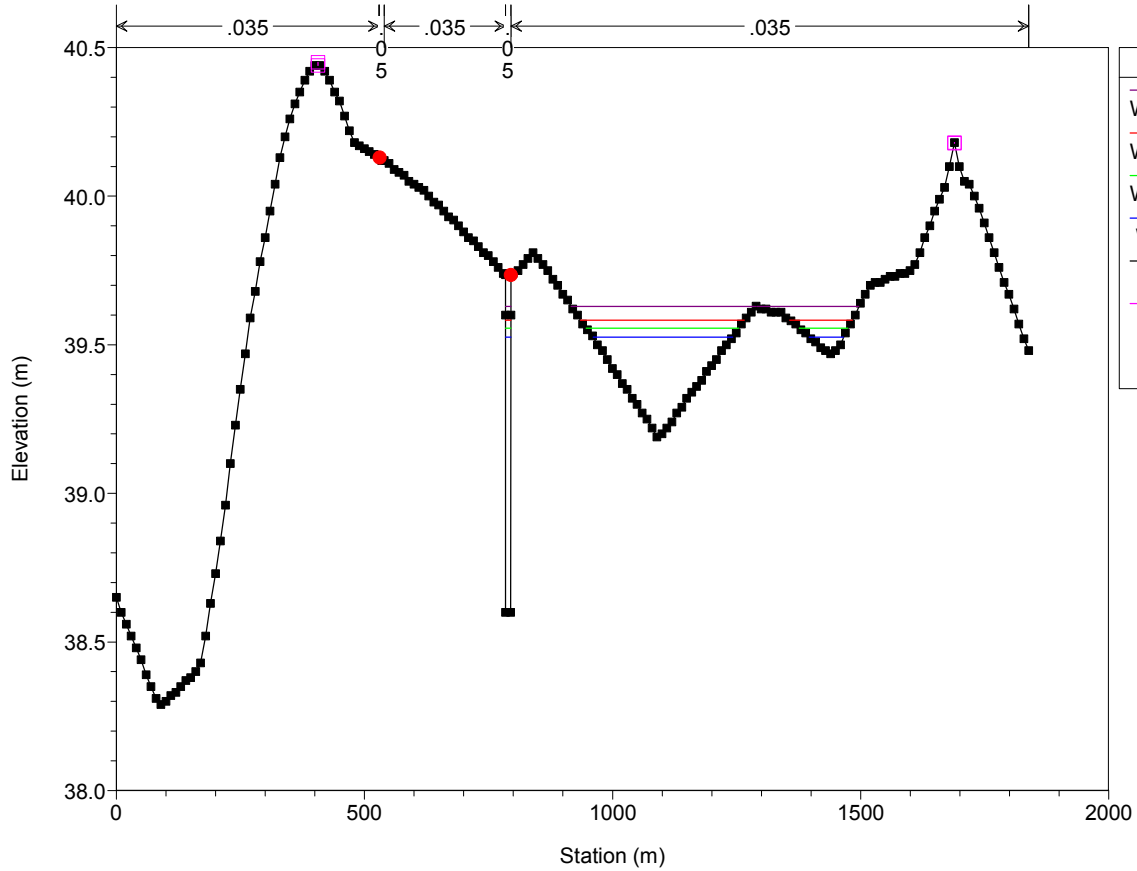
River = Arriana Reach = Arriana RS = 10



Legend	
WS Hi1 (500 anni)	
WS Hi2 (200 anni)	
WS Hi3 (100 anni)	
WS Hi4 (50 anni)	
Ground	
Levee	
Bank Sta	

### Plan 13

River = Arriana Reach = Arriana RS = 9

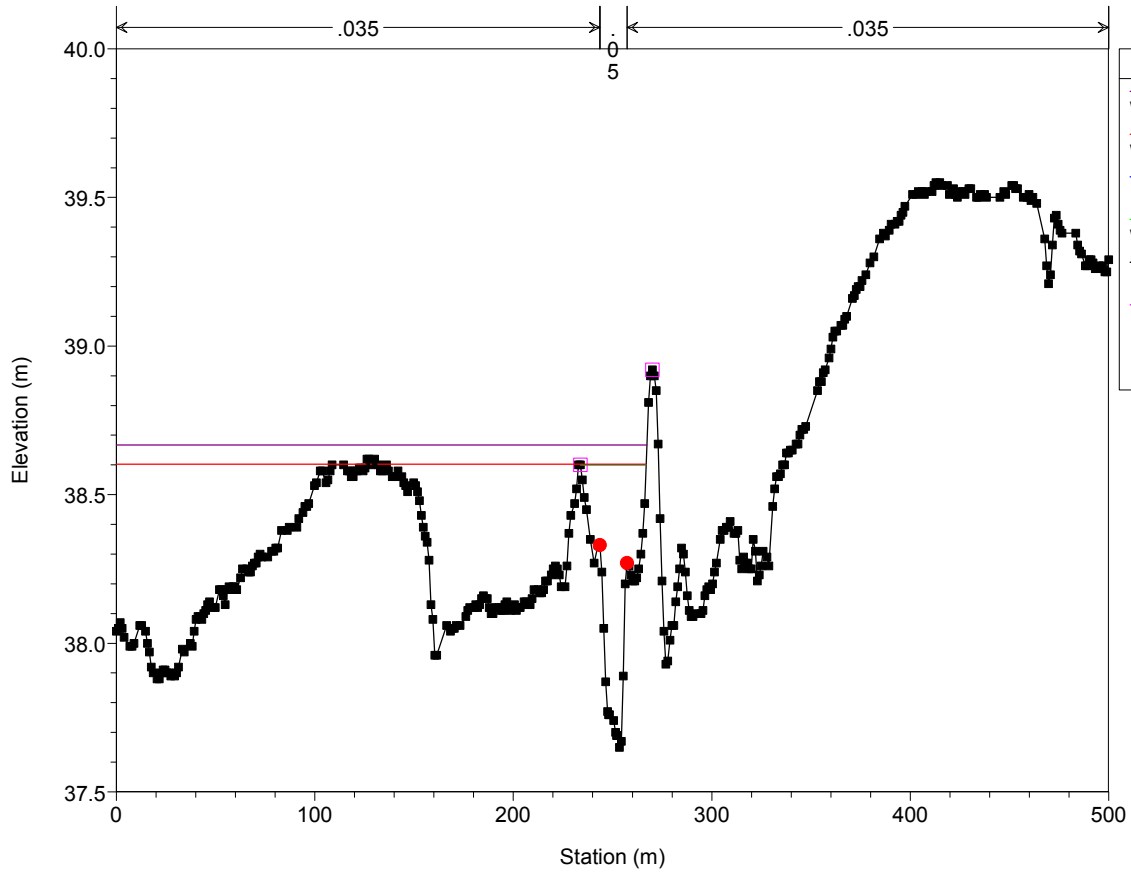


Legend	
WS Hi1 (500 anni)	
WS Hi2 (200 anni)	
WS Hi3 (100 anni)	
WS Hi4 (50 anni)	
Ground	
Levee	
Bank Sta	



### Plan 13

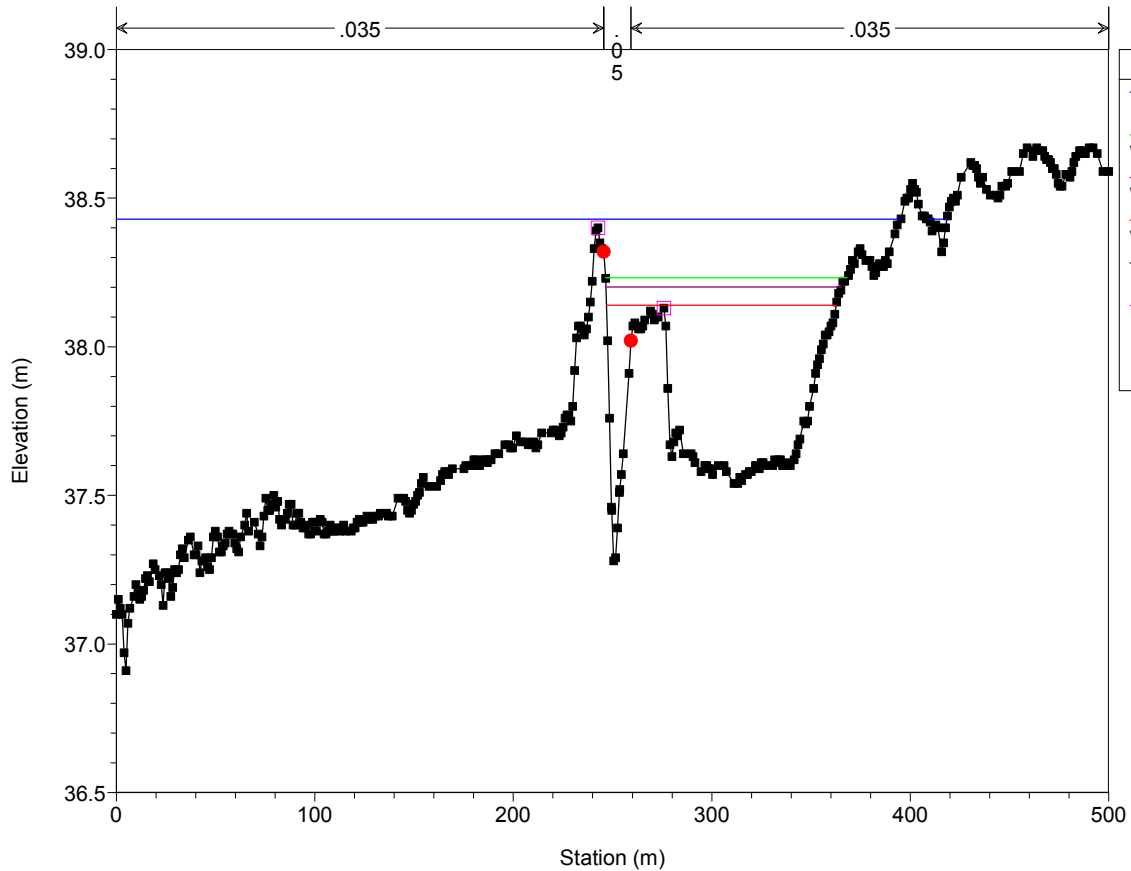
River = Arriana Reach = Arriana RS = 6



Legend	
WS Hi1 (500 anni)	
WS Hi2 (200 anni)	
WS Hi4 (50 anni)	
WS Hi3 (100 anni)	
Ground	
Levee	
Bank Sta	

### Plan 13

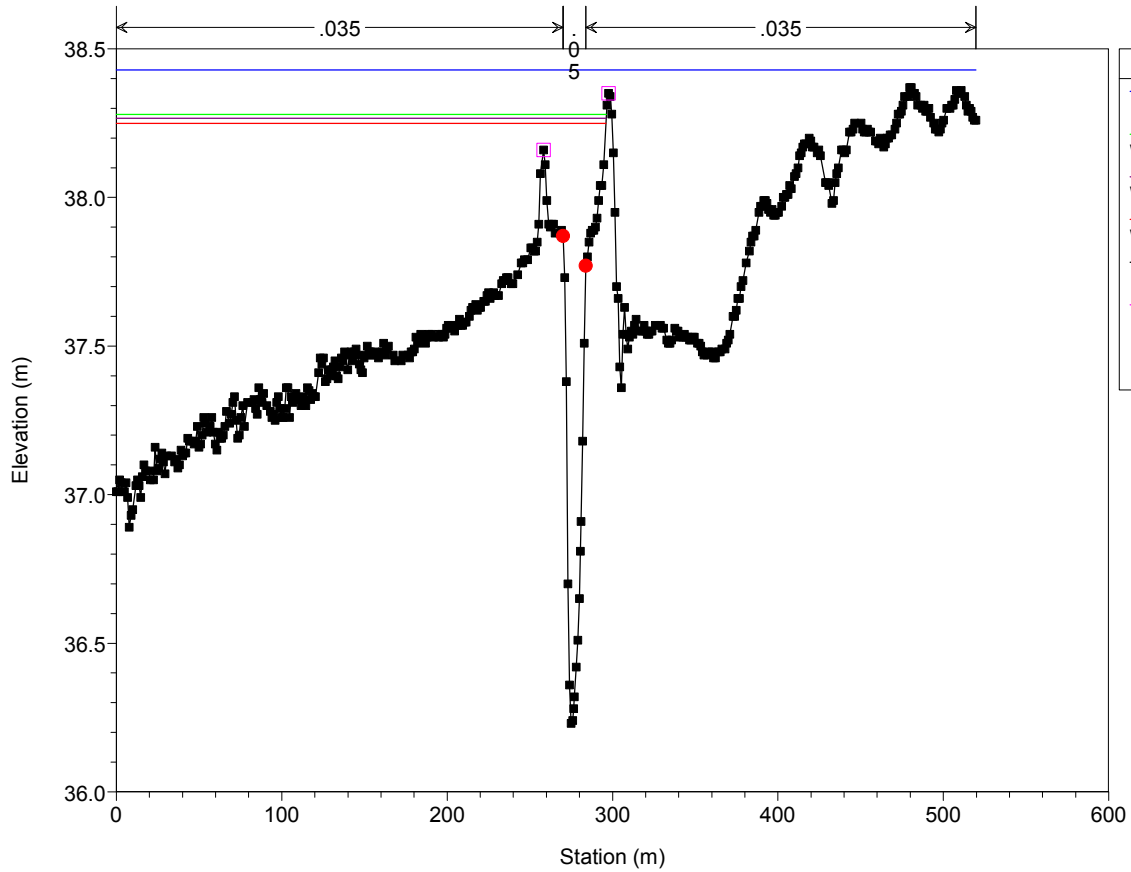
River = Arriana Reach = Arriana RS = 5



Legend	
WS Hi4 (50 anni)	
WS Hi3 (100 anni)	
WS Hi1 (500 anni)	
WS Hi2 (200 anni)	
Ground	
Levee	
Bank Sta	

### Plan 13

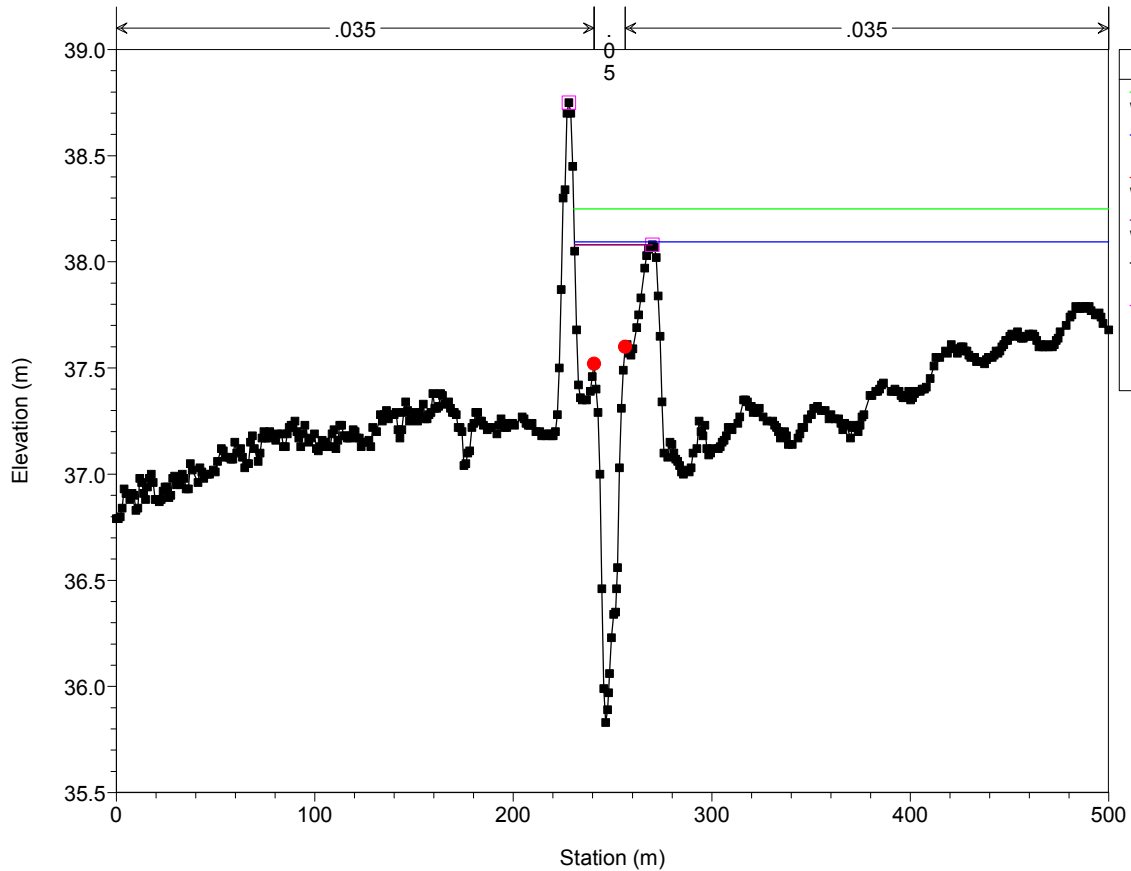
River = Arriana Reach = Arriana RS = 4



Legend	
WS Hi4 (50 anni)	
WS Hi3 (100 anni)	
WS Hi1 (500 anni)	
WS Hi2 (200 anni)	
Ground	
Levee	
Bank Sta	

### Plan 13

River = Arriana Reach = Arriana RS = 3



Legend	
WS Hi3 (100 anni)	
WS Hi4 (50 anni)	
WS Hi2 (200 anni)	
WS Hi1 (500 anni)	
Ground	
Levee	
Bank Sta	



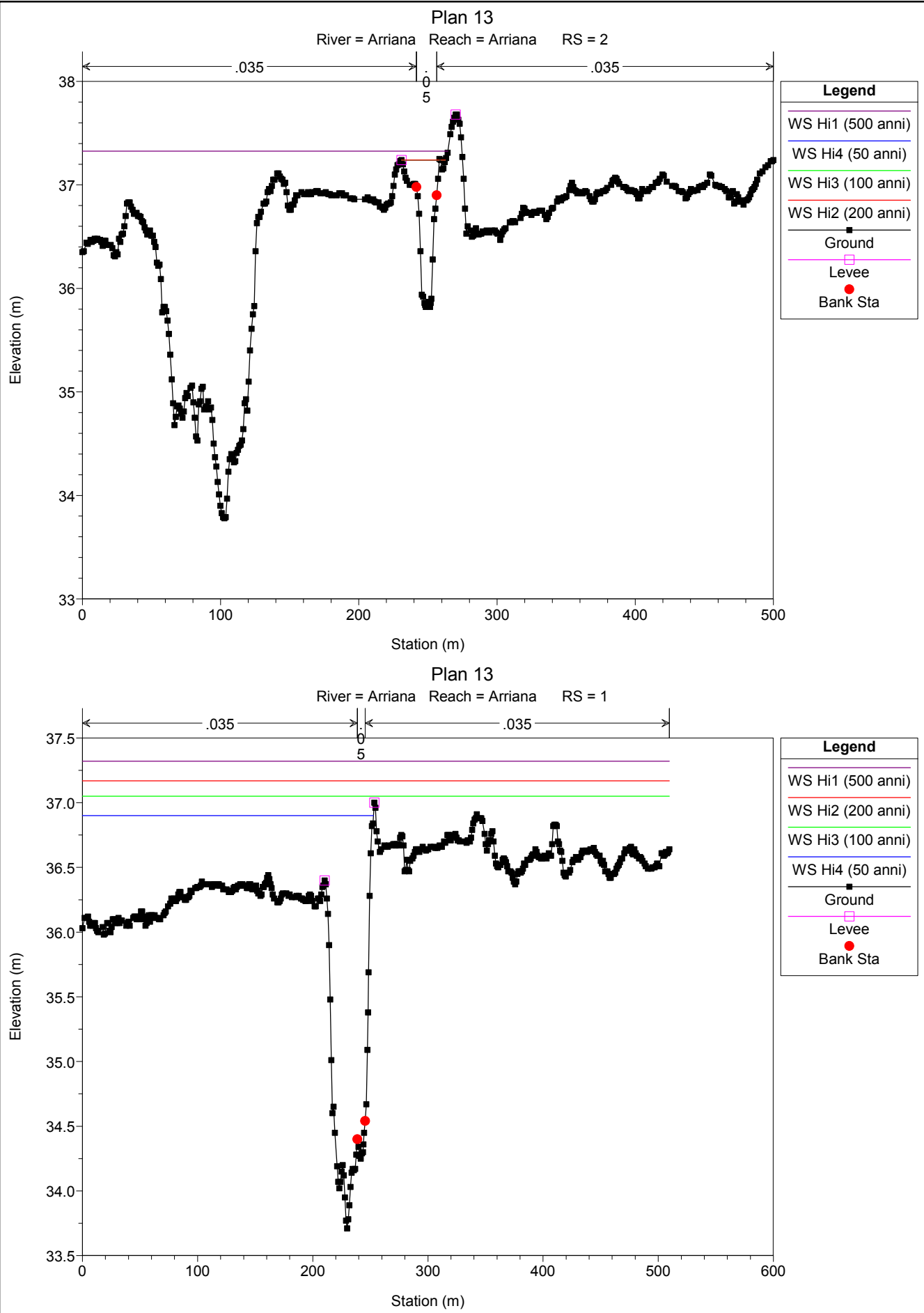


Tabelle con risultati modello idraulico per i tempi di ritorno di 50, 100, 200 e  
500 anni

HEC-RAS Plan: Plan 13 River: Arriana Reach: Arriana

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
Arriana	10	Hi4 (50 anni)	61.13	38.80	40.28	40.11	40.30	0.002765	0.82	112.96	504.24	0.43
Arriana	10	Hi3 (100 anni)	76.13	38.80	40.32	40.16	40.34	0.002884	0.87	134.86	618.74	0.44
Arriana	10	Hi2 (200 anni)	91.67	38.80	40.35	40.19	40.38	0.002962	0.92	158.06	740.14	0.44
Arriana	10	Hi1 (500 anni)	112.81	38.80	40.39	40.23	40.42	0.003192	0.99	186.05	865.66	0.46
Arriana	9	Hi4 (50 anni)	61.13	38.60	39.53	39.53	39.60	0.010677	1.78	59.59	360.77	0.61
Arriana	9	Hi3 (100 anni)	76.13	38.60	39.56	39.56	39.63	0.011241	1.87	71.41	417.03	0.62
Arriana	9	Hi2 (200 anni)	91.67	38.60	39.58	39.58	39.66	0.011670	1.93	83.07	467.18	0.64
Arriana	9	Hi1 (500 anni)	112.81	38.60	39.63	39.61	39.70	0.010157	1.85	107.35	588.76	0.60
Arriana	8	Hi4 (50 anni)	61.13	38.40	39.51	38.28	39.51	0.000031	0.08	462.88	762.11	0.06
Arriana	8	Hi3 (100 anni)	76.13	38.40	39.56	38.31	39.56	0.000038	0.08	504.92	810.65	0.06
Arriana	8	Hi2 (200 anni)	91.67	38.40	39.61	38.35	39.61	0.000045	0.09	543.92	818.61	0.06
Arriana	8	Hi1 (500 anni)	112.81	38.40	39.65	38.39	39.65	0.000059	0.10	574.28	824.75	0.07
Arriana	7	Hi4 (50 anni)	61.13	38.02	39.23	38.95	39.26	0.001773	0.76	80.03	148.04	0.26
Arriana	7	Hi3 (100 anni)	76.13	38.02	39.29	38.99	39.33	0.001893	0.82	89.69	149.07	0.27
Arriana	7	Hi2 (200 anni)	91.67	38.02	39.32	39.03	39.34	0.001379	0.71	136.12	258.77	0.23
Arriana	7	Hi1 (500 anni)	112.81	38.02	39.39	39.07	39.42	0.001346	0.74	155.47	259.32	0.23
Arriana	6	Hi4 (50 anni)	61.13	37.65	38.60	38.60	38.62	0.001963	0.71	96.13	260.37	0.27
Arriana	6	Hi3 (100 anni)	76.13	37.65	38.60	38.60	38.63	0.003044	0.88	96.13	260.37	0.33
Arriana	6	Hi2 (200 anni)	91.67	37.65	38.60	38.60	38.65	0.004302	1.05	96.94	261.24	0.39
Arriana	6	Hi1 (500 anni)	112.81	37.65	38.67	38.60	38.72	0.003934	1.07	113.95	267.28	0.38
Arriana	5	Hi4 (50 anni)	61.13	37.28	38.43	38.13	38.43	0.000060	0.12	315.84	404.78	0.05
Arriana	5	Hi3 (100 anni)	76.13	37.28	38.23	38.13	38.32	0.006363	1.10	57.45	121.52	0.46
Arriana	5	Hi2 (200 anni)	91.67	37.28	38.14	38.14	38.34	0.017408	1.66	46.62	115.77	0.75
Arriana	5	Hi1 (500 anni)	112.81	37.28	38.20	38.20	38.43	0.016922	1.74	53.73	118.61	0.75
Arriana	4	Hi4 (50 anni)	61.13	36.23	38.43	38.16	38.43	0.000035	0.16	407.37	519.69	0.04
Arriana	4	Hi3 (100 anni)	76.13	36.23	38.28	38.16	38.28	0.000137	0.29	255.63	296.24	0.08
Arriana	4	Hi2 (200 anni)	91.67	36.23	38.25	38.16	38.26	0.000222	0.36	246.84	295.95	0.10
Arriana	4	Hi1 (500 anni)	112.81	36.23	38.27	38.16	38.28	0.000316	0.44	251.79	296.12	0.12
Arriana	3	Hi4 (50 anni)	61.13	35.83	38.09	37.85	38.10	0.000216	0.36	189.38	269.19	0.10
Arriana	3	Hi3 (100 anni)	76.13	35.83	38.25	37.97	38.25	0.000173	0.35	231.27	269.57	0.09
Arriana	3	Hi2 (200 anni)	91.67	35.83	38.08	38.08	38.09	0.000518	0.56	185.73	269.15	0.15
Arriana	3	Hi1 (500 anni)	112.81	35.83	38.08	38.08	38.10	0.000784	0.69	185.73	269.15	0.19
Arriana	2	Hi4 (50 anni)	61.13	35.82	37.24	37.24	37.24	0.000069	0.16	261.19	261.69	0.05
Arriana	2	Hi3 (100 anni)	76.13	35.82	37.24	37.24	37.24	0.000107	0.20	261.19	261.69	0.06
Arriana	2	Hi2 (200 anni)	91.67	35.82	37.24	37.24	37.25	0.000155	0.24	261.18	261.69	0.08
Arriana	2	Hi1 (500 anni)	112.81	35.82	37.33	37.24	37.33	0.000178	0.28	283.97	264.37	0.09

HEC-RAS Plan: Plan 13 River: Arriana Reach: Arriana (Continued)

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
Arriana	1	Hi4 (50 anni)	61.13	34.25	36.90	34.99	36.90	0.000095	0.36	232.85	252.76	0.07
Arriana	1	Hi3 (100 anni)	76.13	34.25	37.05	35.11	37.05	0.000060	0.30	382.87	509.68	0.06
Arriana	1	Hi2 (200 anni)	91.67	34.25	37.17	35.23	37.17	0.000056	0.30	444.08	509.68	0.06
Arriana	1	Hi1 (500 anni)	112.81	34.25	37.32	35.37	37.32	0.000052	0.30	520.51	509.68	0.06