
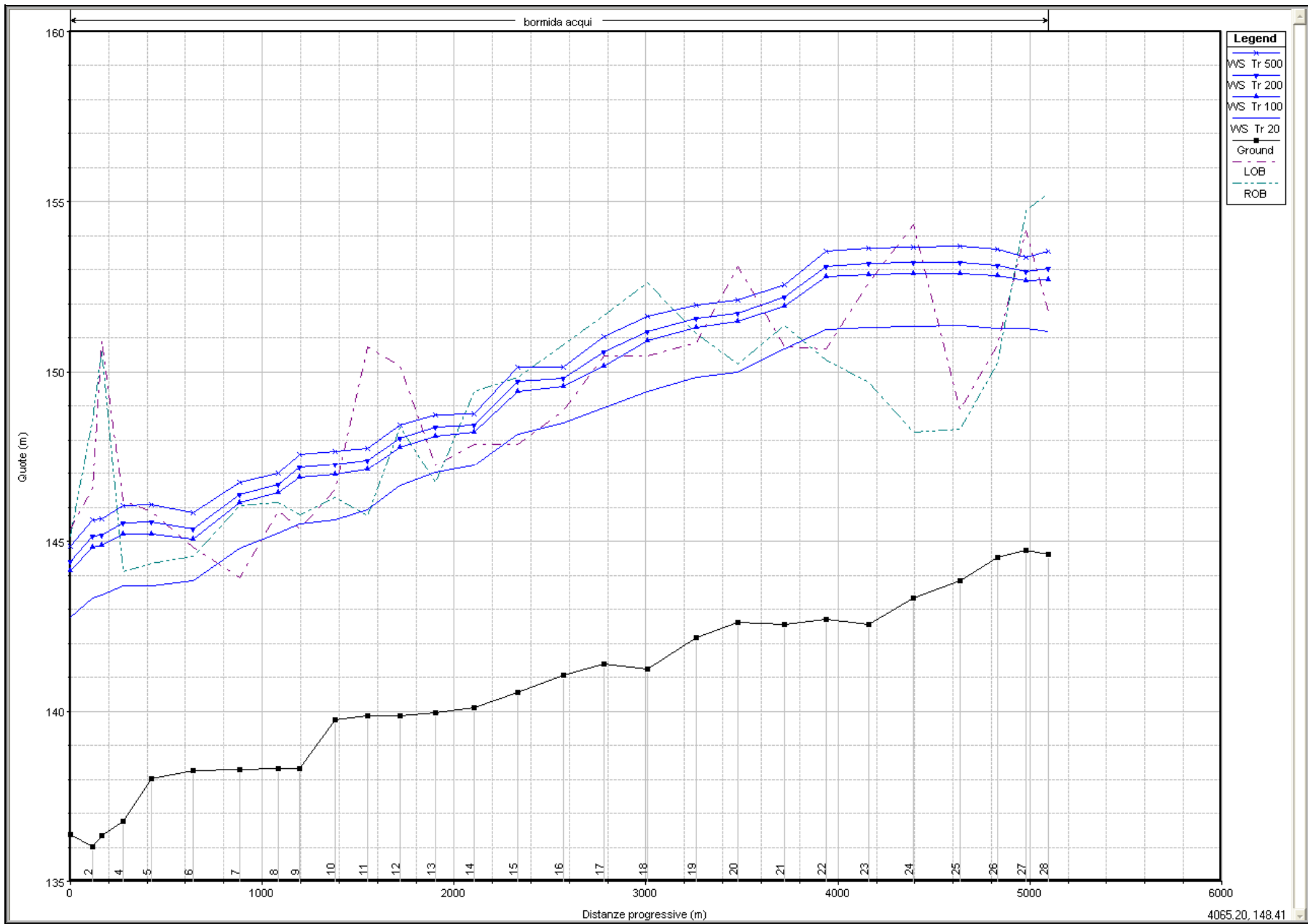




## COMUNE DI ACQUI TERME

# VERIFICA DI COMPATIBILITA' IDRAULICA DI PREVISIONE DEGLI STRUMENTI URBANISTICI

Torino, Ottobre 2011	Agg.	S.2011.03
il tecnico incaricato Ing. Pietro CAVALLERO		 <b>S</b> tudio Associato <b>I</b> ngegneri <b>A</b> rchitetti <b>C</b> avallero C.so Vittorio Emanuele II, 167 10139 Torino tel. 011 - 0364820 Fax. 011 - 0364822 e-mail cavallerosiacitk@virgilio.it
collaboratore: Ing. Cosimo Vinci		
ELAB. N.	<h3>TABULATI DI CALCOLO FIUME BORMIDA</h3>	
<b>2.1</b>		









HEC-RAS Plan: Plan 01 River: bormida Reach: acqui (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
acqui	4	Tr 20	1740.00	136.77	143.69	140.99	143.87	0.000606	1.86	933.09	229.50	0.30
acqui	4	Tr 100	2720.00	136.77	145.21	141.78	145.42	0.000497	2.06	1443.76	383.65	0.28
acqui	4	Tr 200	2980.00	136.77	145.55	142.01	145.77	0.000480	2.10	1575.88	396.74	0.28
acqui	4	Tr 500	3360.00	136.77	146.06	142.32	146.28	0.000447	2.14	1783.70	414.39	0.27
acqui	3	Tr 20	1740.00	136.33	143.41	141.61	143.76	0.001245	2.61	667.07	170.05	0.42
acqui	3	Tr 100	2720.00	136.33	144.87	142.42	145.32	0.001097	2.96	919.77	176.11	0.41
acqui	3	Tr 200	2980.00	136.33	145.19	142.60	145.66	0.001095	3.05	975.49	177.56	0.42
acqui	3	Tr 500	3360.00	136.33	145.67	142.88	146.18	0.001069	3.16	1061.73	179.85	0.42
acqui	2	Tr 20	1740.00	136.03	143.34	141.60	143.70	0.001349	2.64	659.64	176.19	0.44
acqui	2	Tr 100	2720.00	136.03	144.83	142.44	145.26	0.001129	2.93	927.20	184.33	0.42
acqui	2	Tr 200	2980.00	136.03	145.14	142.64	145.61	0.001116	3.02	985.91	185.75	0.42
acqui	2	Tr 500	3360.00	136.03	145.63	142.92	146.13	0.001075	3.12	1076.93	187.93	0.42
acqui	1	Tr 20	1740.00	136.38	142.76	141.57	143.45	0.002551	3.68	472.50	122.93	0.60
acqui	1	Tr 100	2720.00	136.38	144.13	142.58	145.03	0.002420	4.21	646.77	132.22	0.61
acqui	1	Tr 200	2980.00	136.38	144.40	142.83	145.37	0.002476	4.36	682.74	134.22	0.62
acqui	1	Tr 500	3360.00	136.38	144.85	143.17	145.89	0.002445	4.52	743.92	137.56	0.62





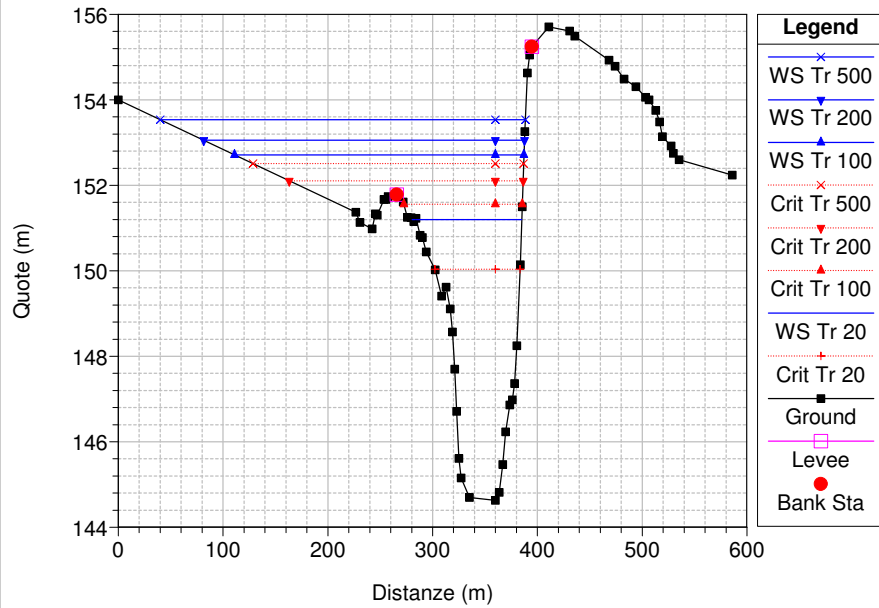




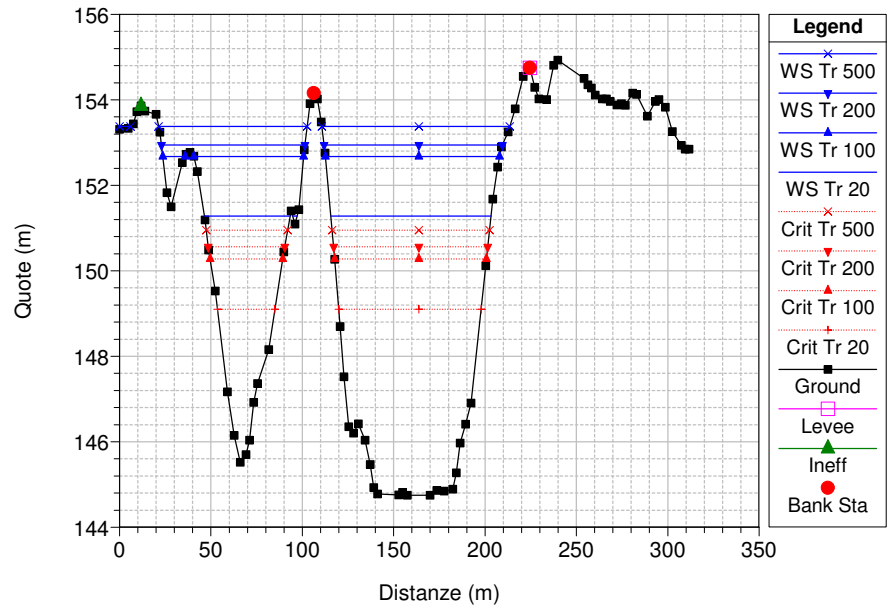
HEC-RAS Plan: Plan 01 River: bormida Reach: acqui (Continued)

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)
acqui	4	Tr 20	143.87	143.69	0.18	0.09	0.02		1740.00		229.50
acqui	4	Tr 100	145.42	145.21	0.21	0.08	0.02		2648.46	71.54	383.65
acqui	4	Tr 200	145.77	145.55	0.22	0.08	0.03		2872.04	107.96	396.74
acqui	4	Tr 500	146.28	146.06	0.22	0.07	0.03		3185.34	174.66	414.39
acqui	3	Tr 20	143.76	143.41	0.35	0.06	0.00		1740.00		170.05
acqui	3	Tr 100	145.32	144.87	0.45	0.05	0.00		2720.00		176.11
acqui	3	Tr 200	145.66	145.19	0.48	0.05	0.00		2980.00		177.56
acqui	3	Tr 500	146.18	145.67	0.51	0.05	0.00		3360.00		179.85
acqui	2	Tr 20	143.70	143.34	0.35	0.21	0.03		1740.00		176.19
acqui	2	Tr 100	145.26	144.83	0.44	0.19	0.05		2720.00		184.33
acqui	2	Tr 200	145.61	145.14	0.47	0.19	0.05		2980.00		185.75
acqui	2	Tr 500	146.13	145.63	0.50	0.18	0.05		3360.00		187.93
acqui	1	Tr 20	143.45	142.76	0.69				1740.00		122.93
acqui	1	Tr 100	145.03	144.13	0.90				2720.00		132.22
acqui	1	Tr 200	145.37	144.40	0.97				2980.00		134.22
acqui	1	Tr 500	145.89	144.85	1.04				3360.00		137.56

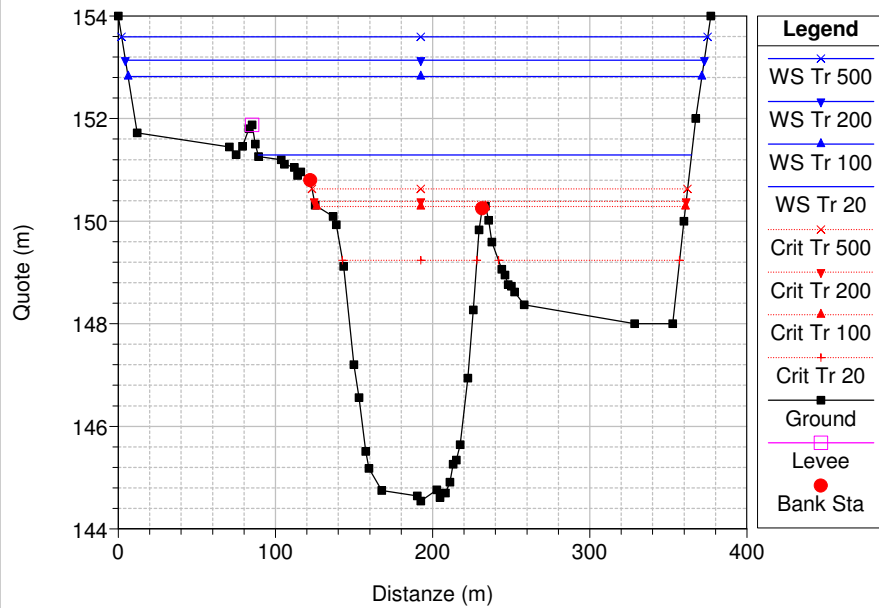
RS = 28



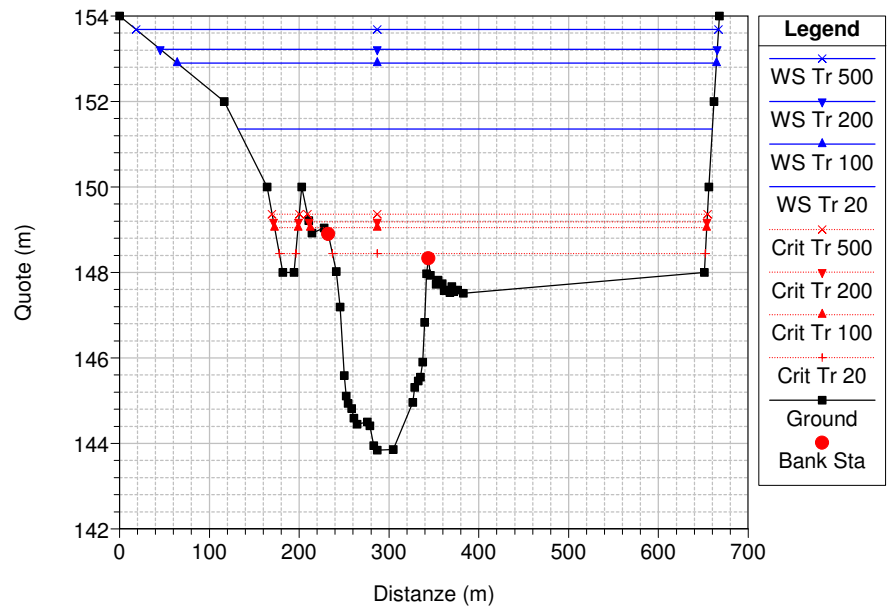
RS = 27



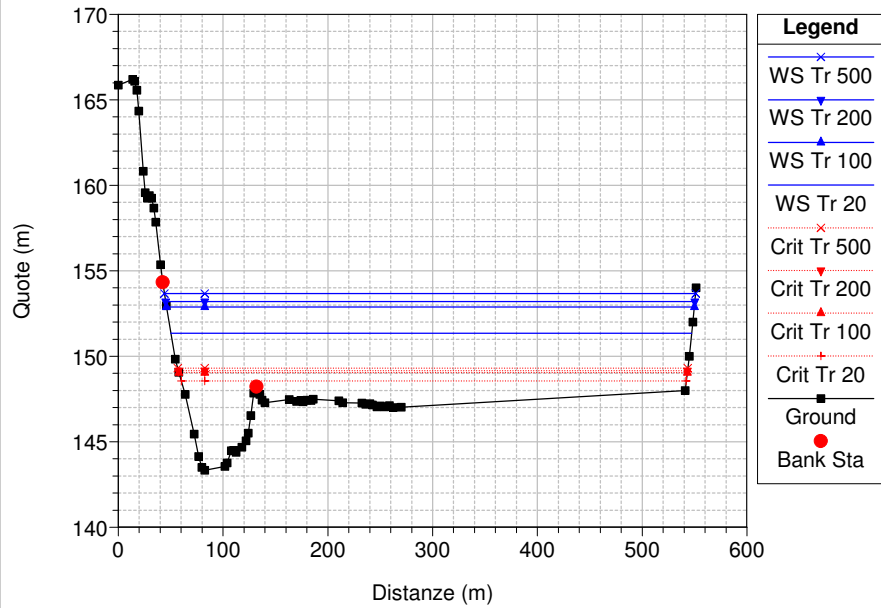
RS = 26



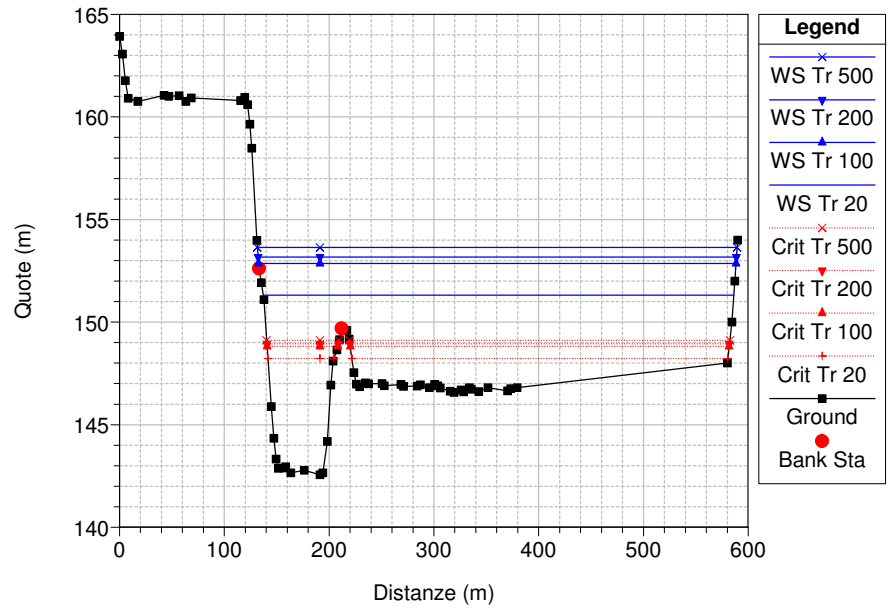
RS = 25



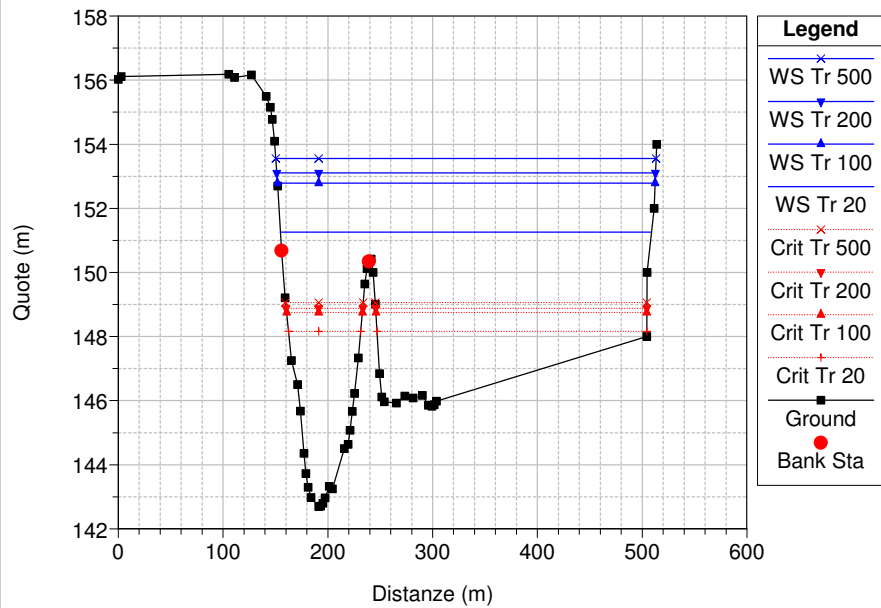
RS = 24



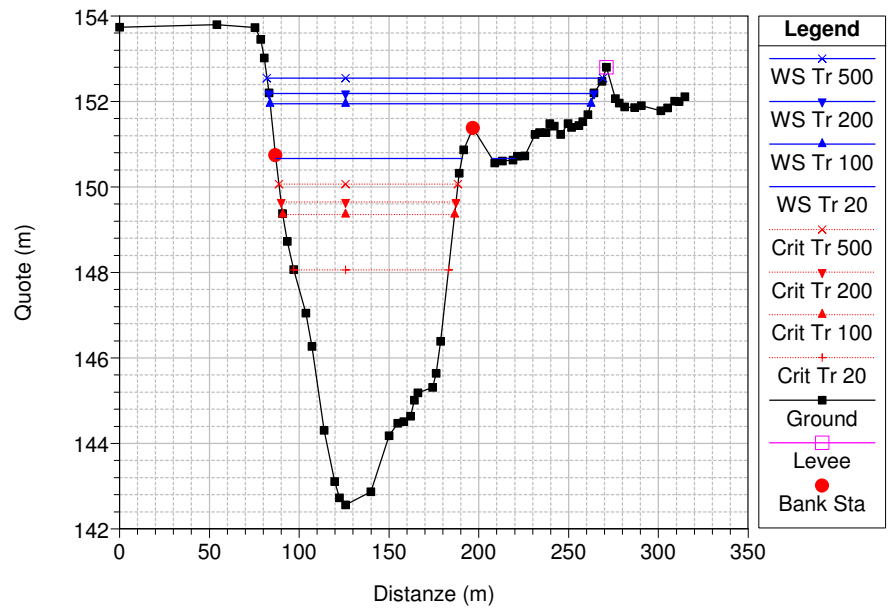
RS = 23



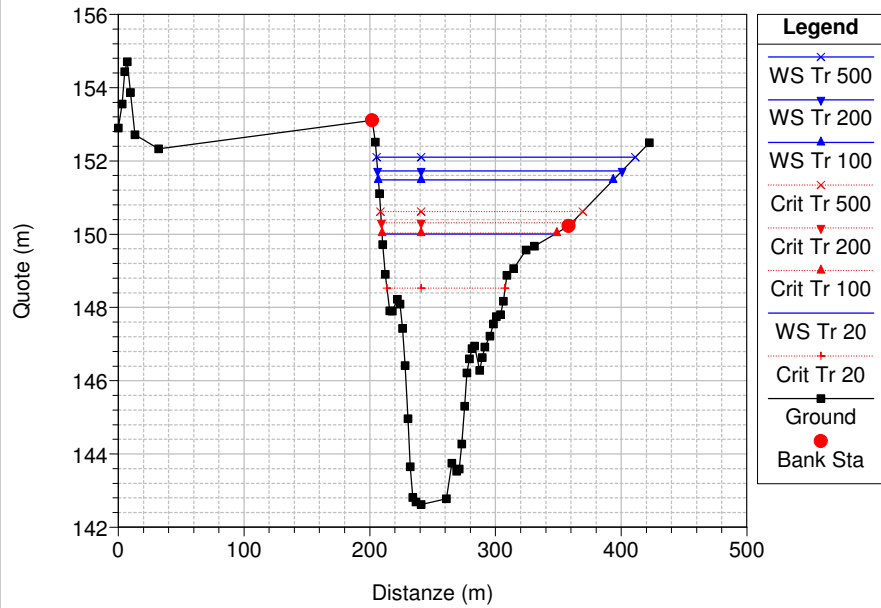
RS = 22



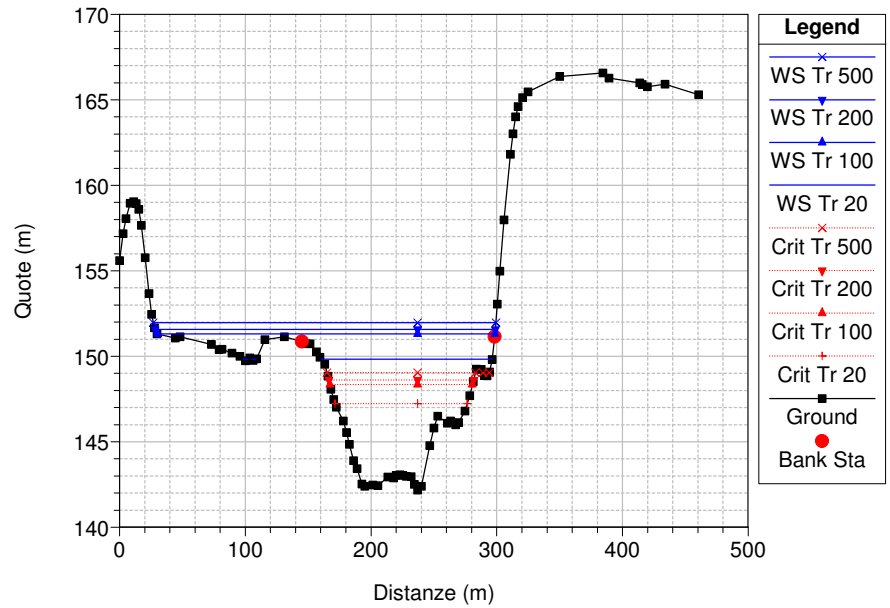
RS = 21



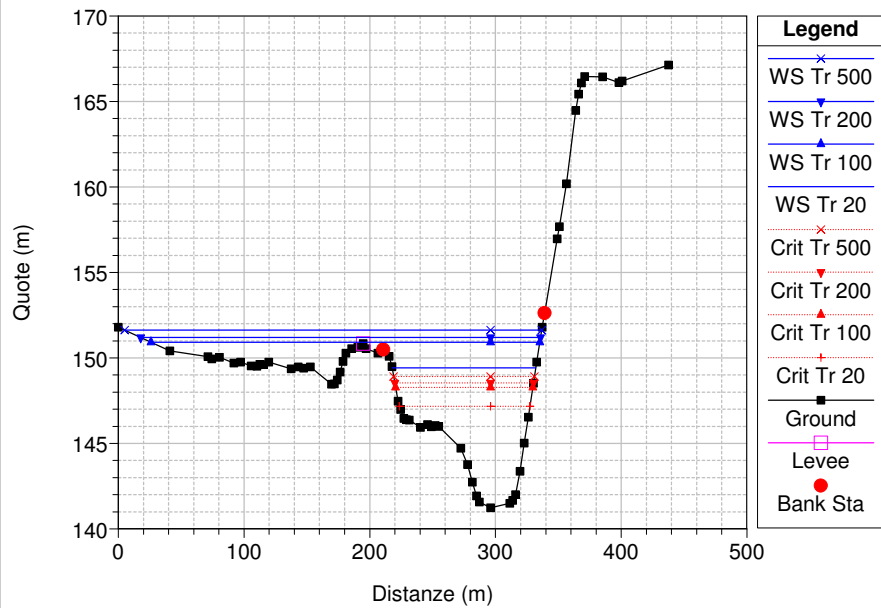
RS = 20



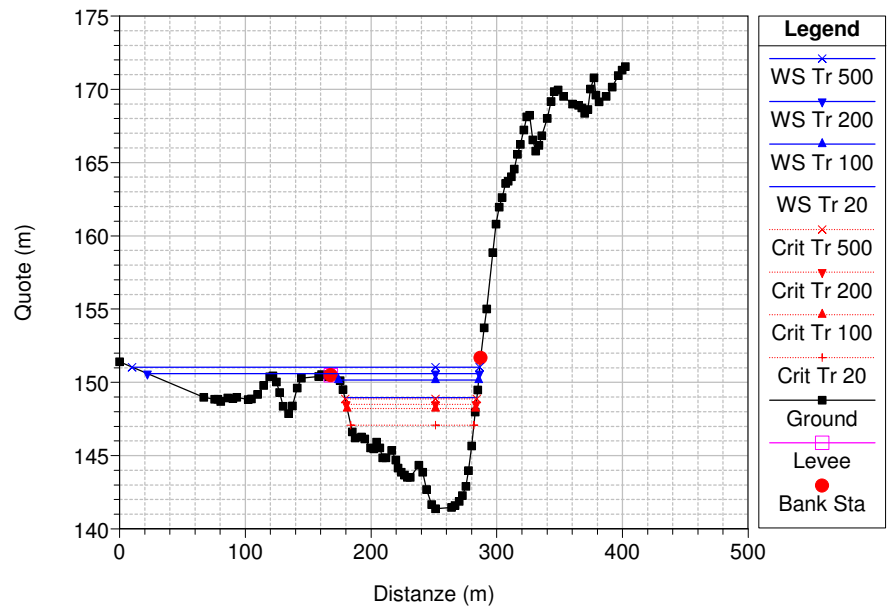
RS = 19



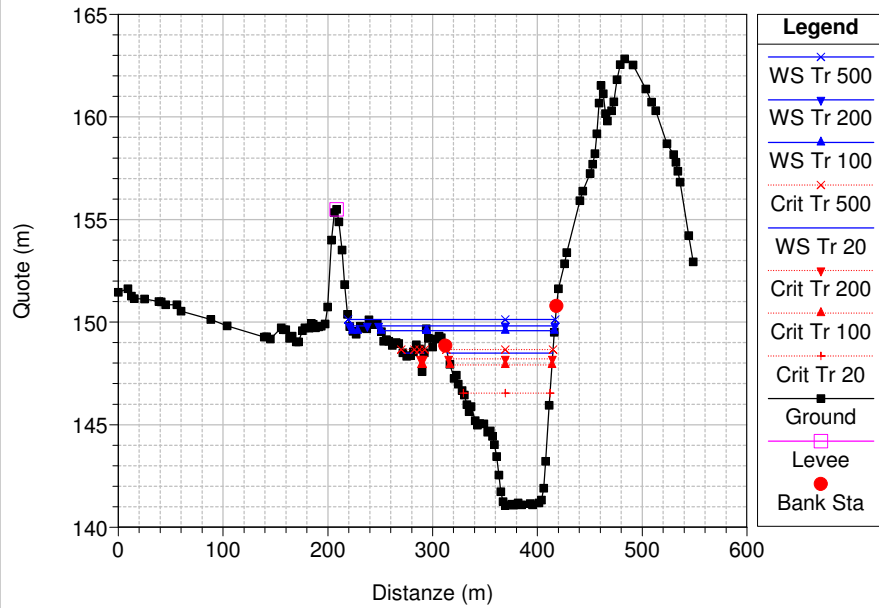
RS = 18



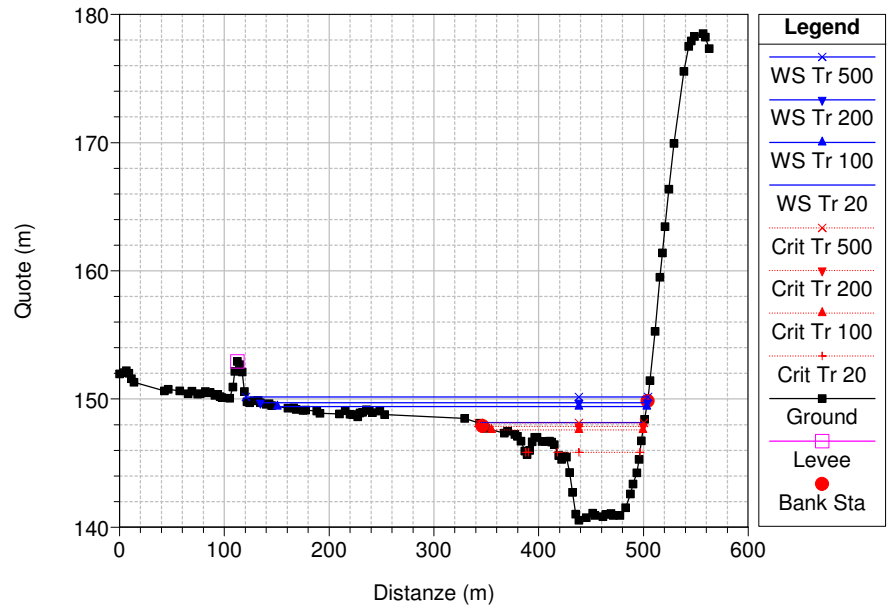
RS = 17



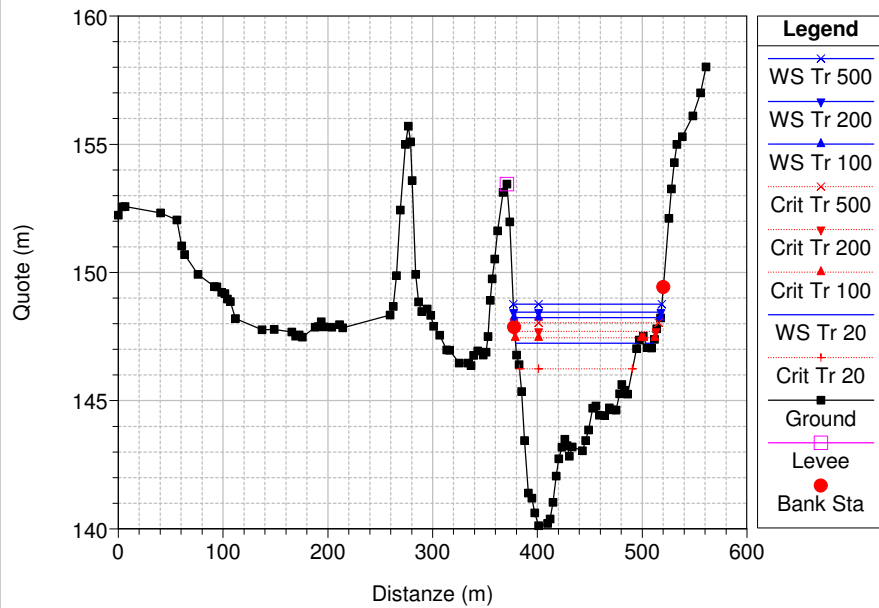
RS = 16



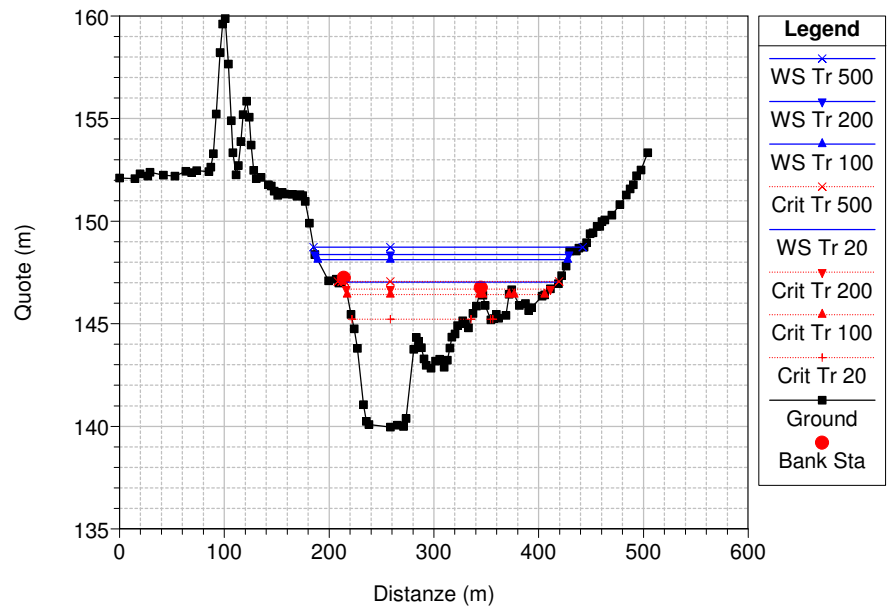
RS = 15



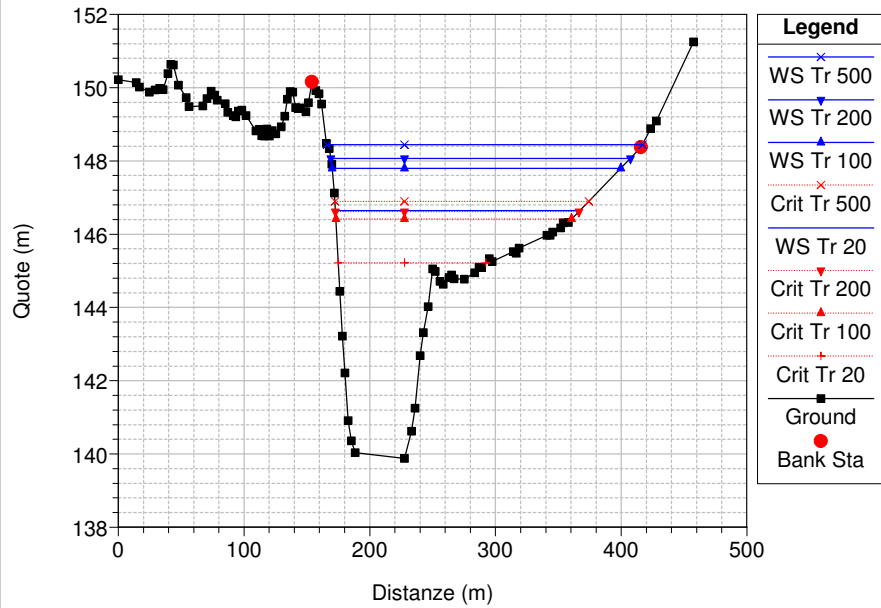
RS = 14



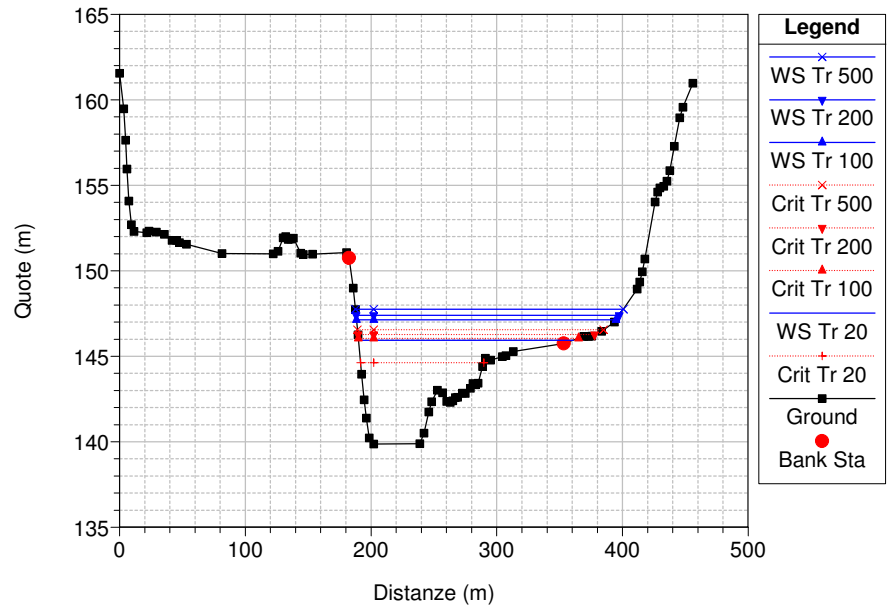
RS = 13



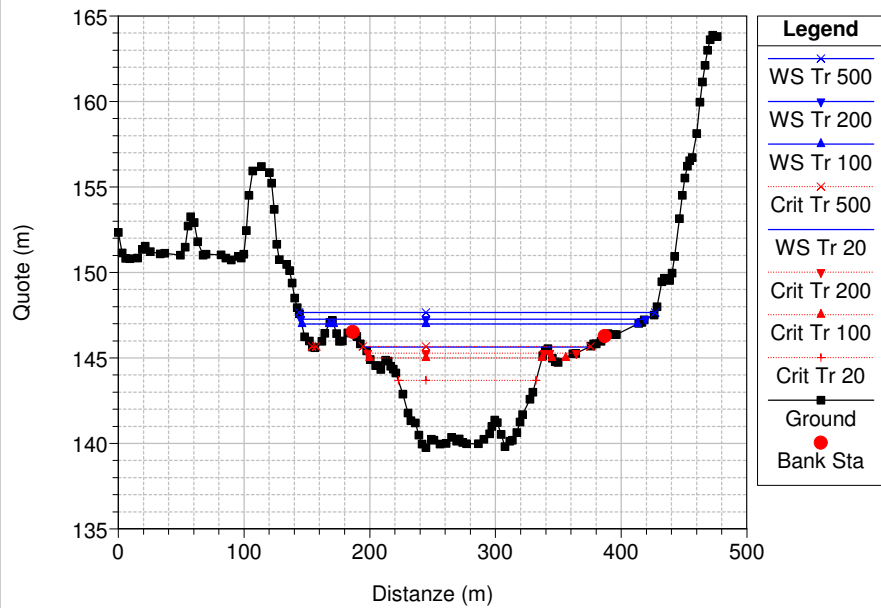
RS = 12



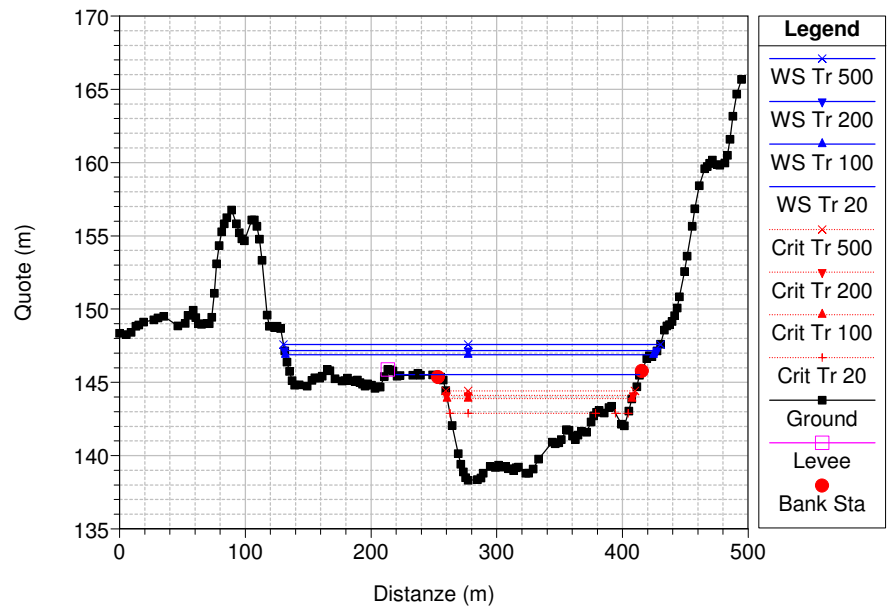
RS = 11



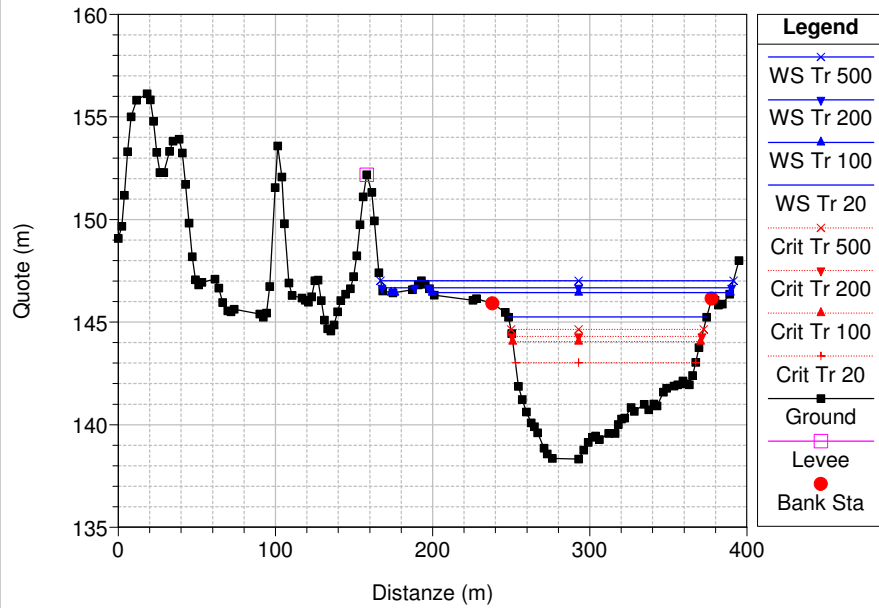
RS = 10



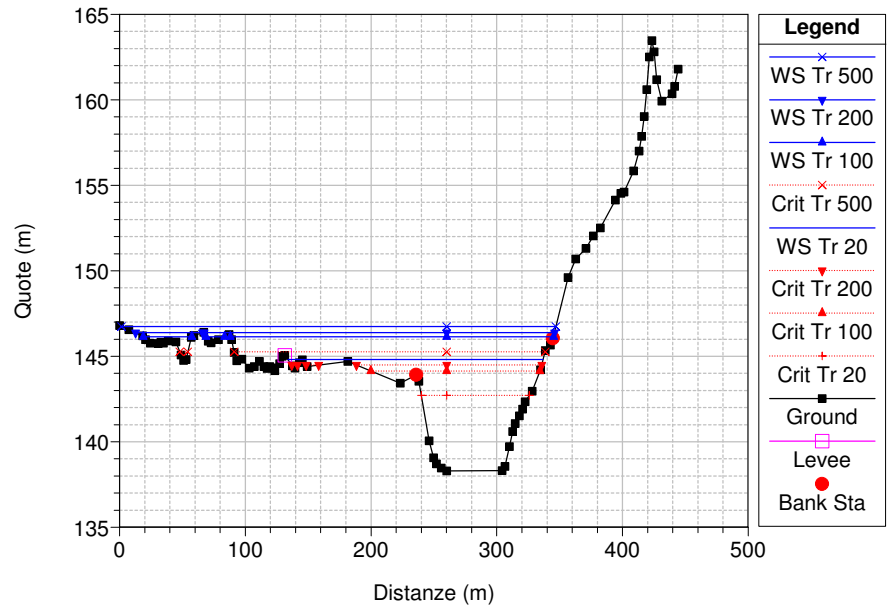
RS = 9



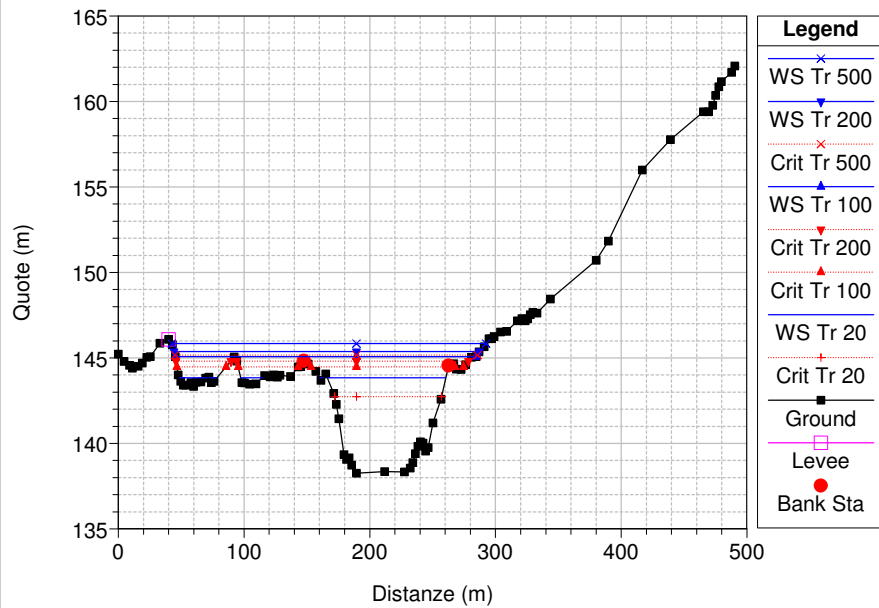
RS = 8



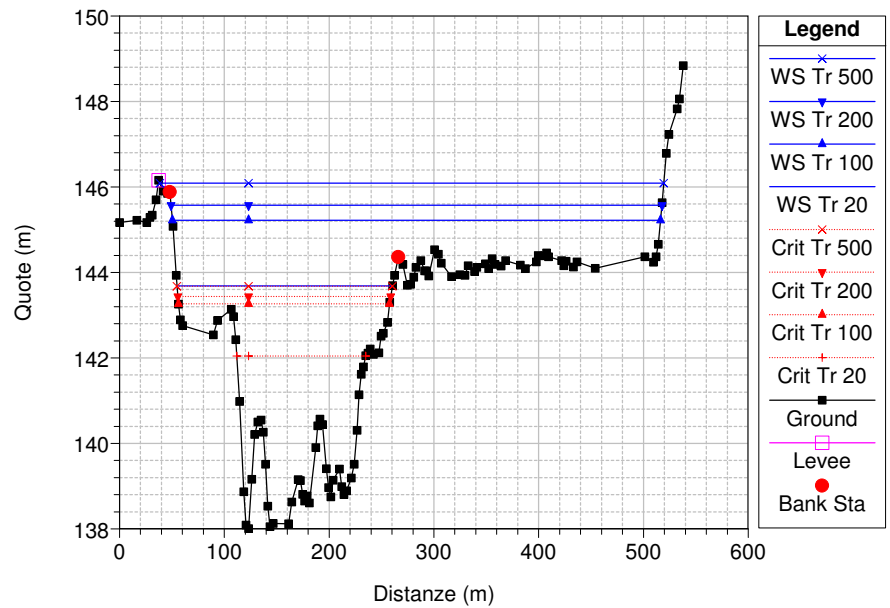
RS = 7



RS = 6

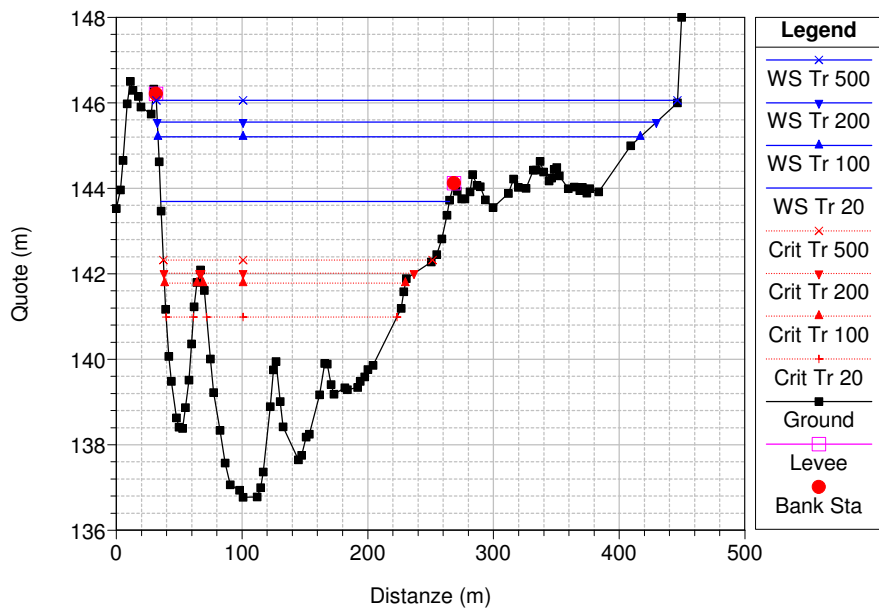


RS = 5

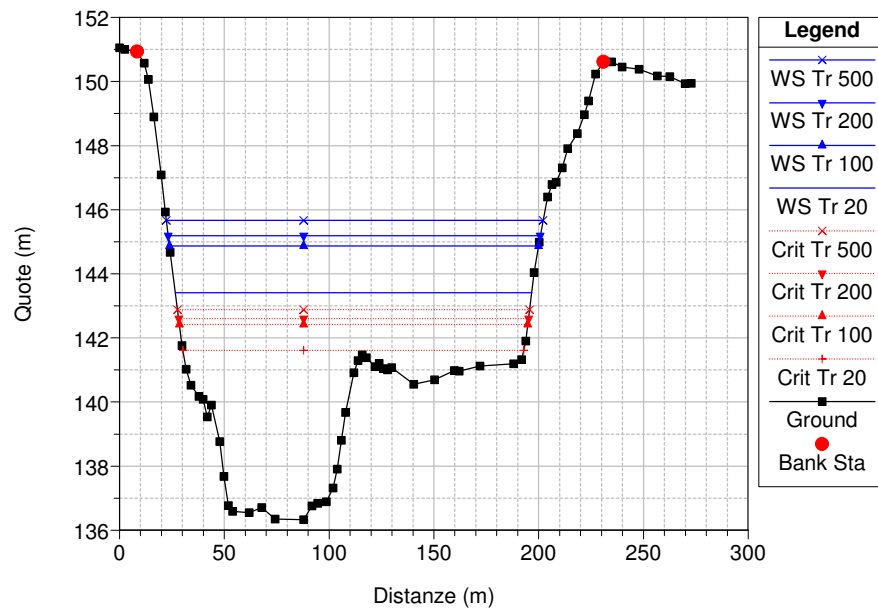




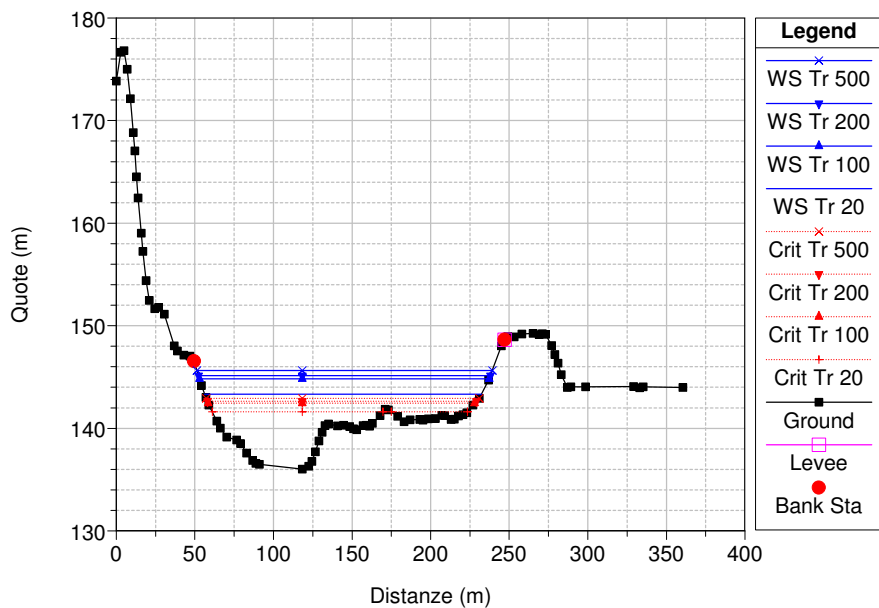
RS = 4



RS = 3



RS = 2



RS = 1

