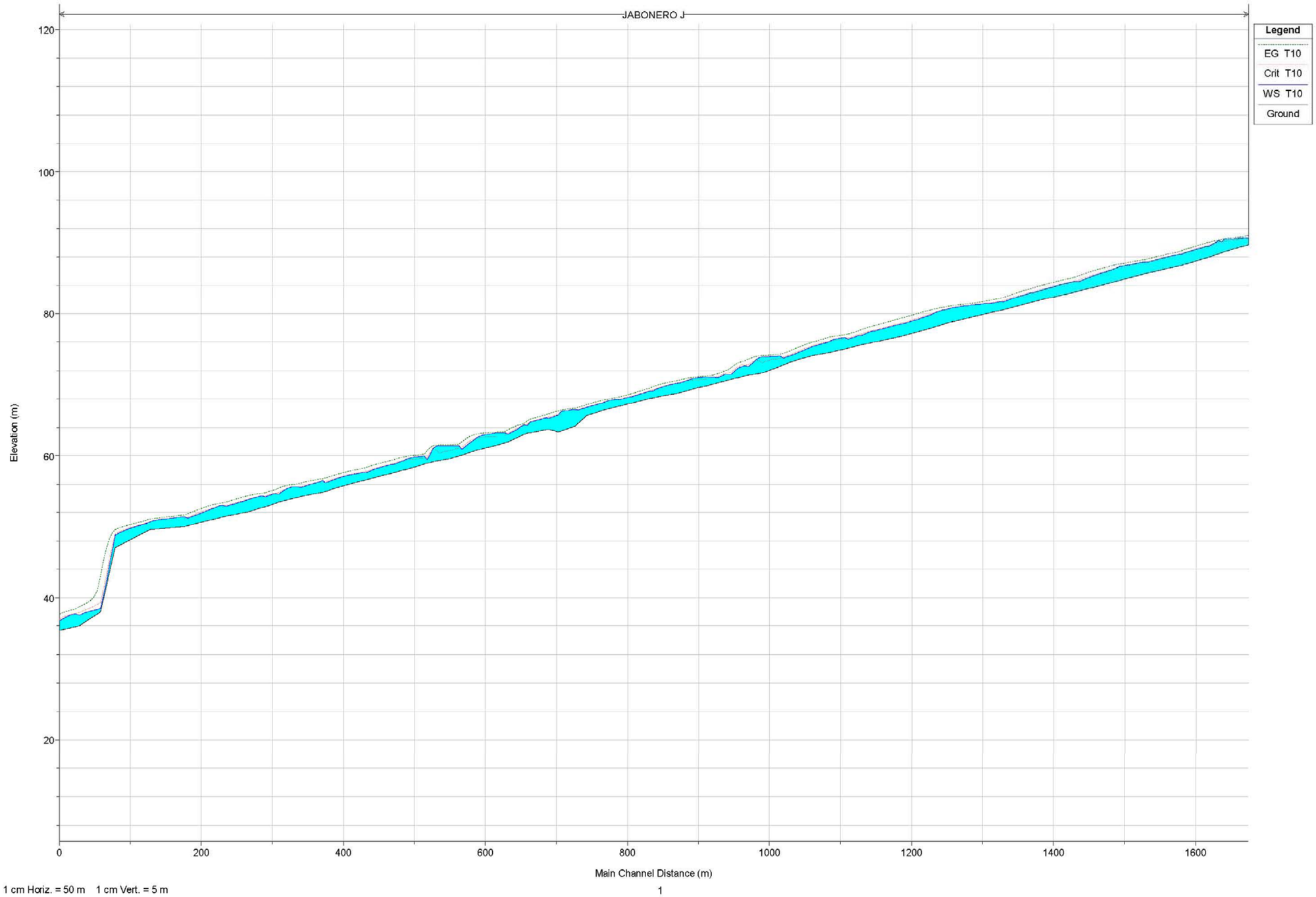
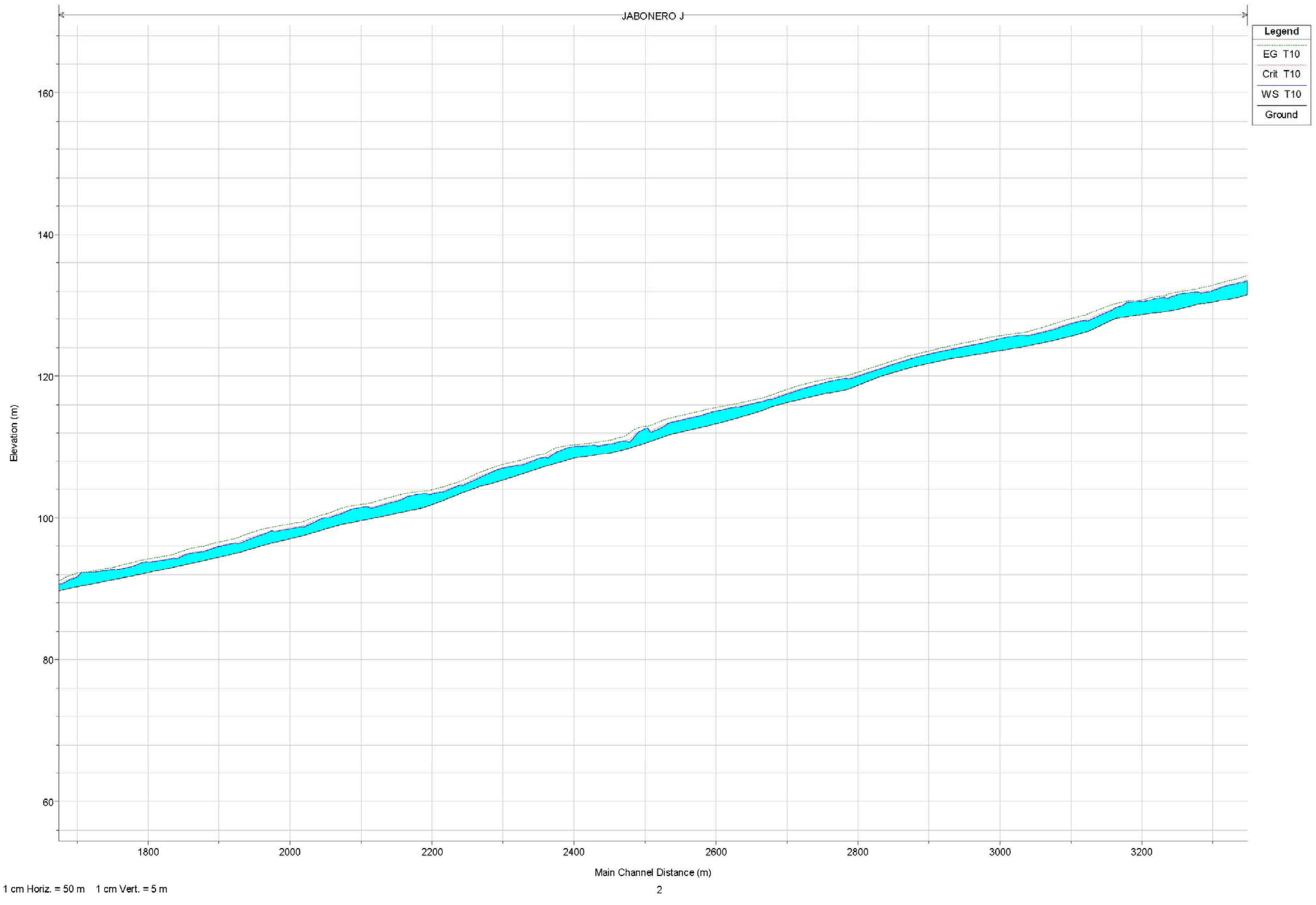
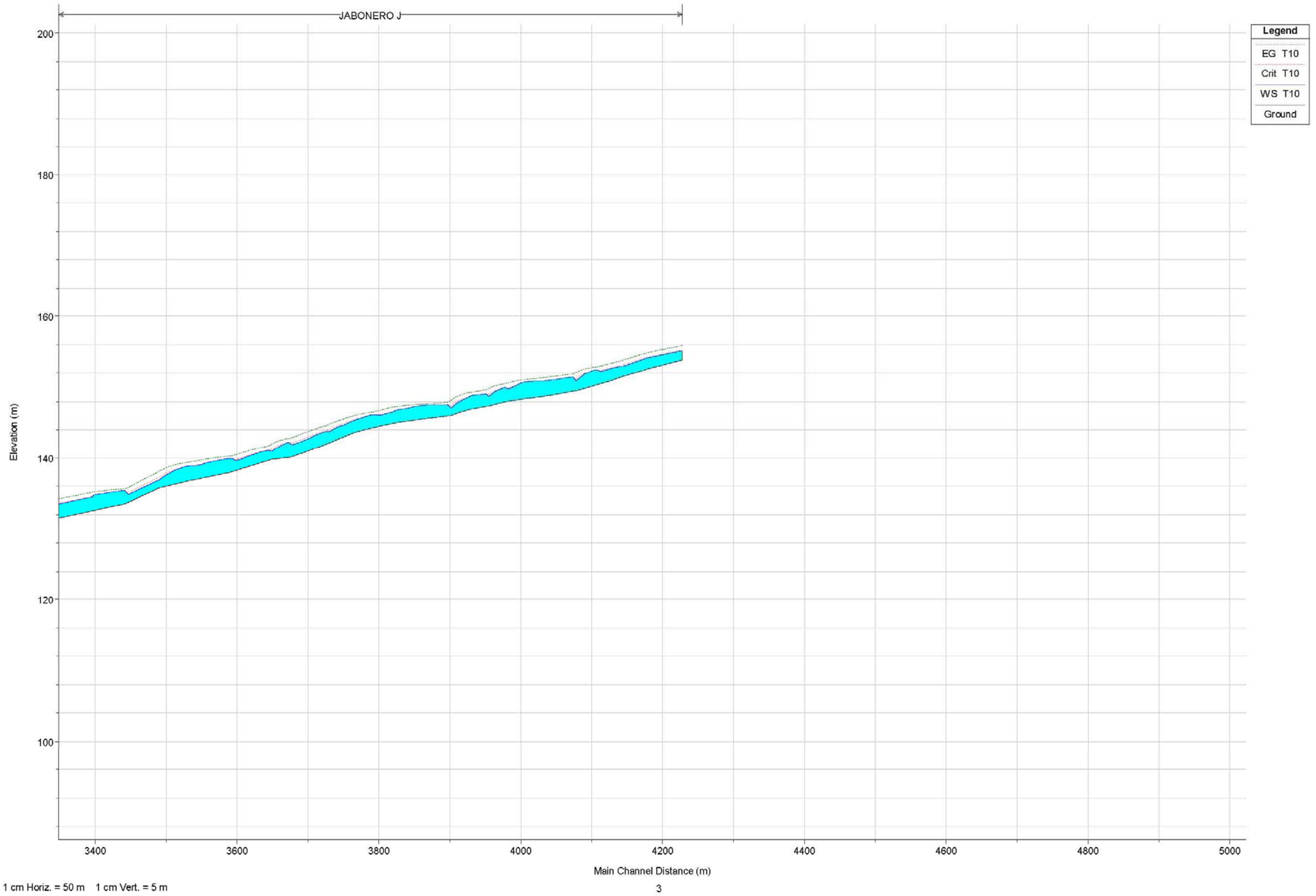
3.3.2.- Perfil longitudinal

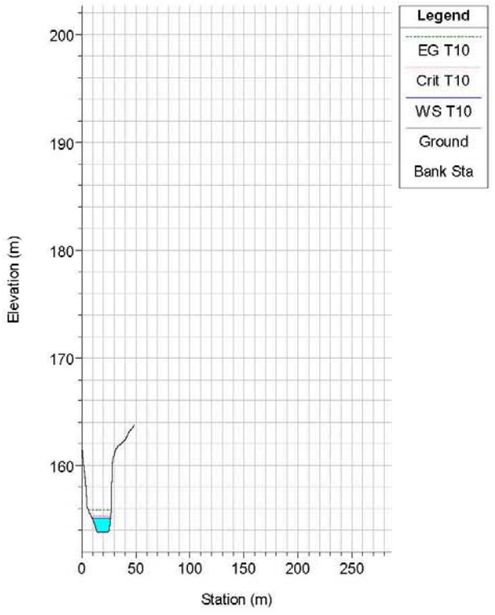

JABONERO J
Legend
EG T10
Crit T10
WS T10
Ground
Elevation (m)
120
100
80
60
40
20
0
200
400
600
800
1000
1200
1400
1600
Main Channel Distance (m)
1 cm Horiz. = 50 m 1 cm Vert. = 5 m
1


JABONERO J
Legend
EG T10
Crit T10
WS T10
Ground
160
140
120
100
80
60
Elevation (m)
1800
2000
2200
2400
2600
2800
3000
3200
Main Channel Distance (m)
1 cm Horiz. = 50 m 1 cm Vert. = 5 m
2

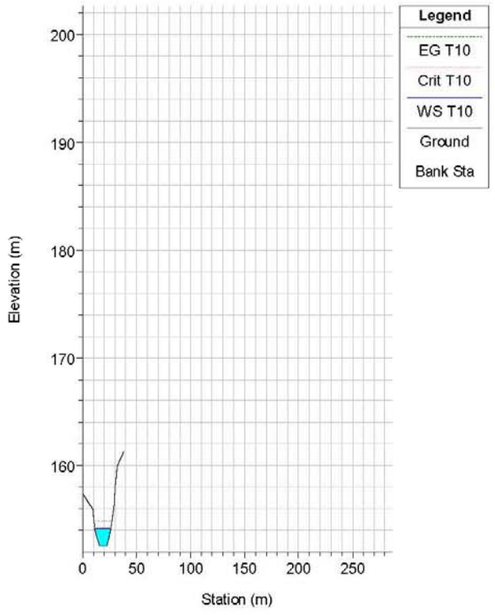

JABONERO J
Legend
EG T10
Crit T10
WS T10
Ground
200
180
160
140
120
100
Elevation (m)
3400
3600
3800
4000
4200
4400
4600
4800
5000
Main Channel Distance (m)
1 cm Horiz. = 50 m 1 cm Vert. = 5 m
3

3.3.3.- Perfiles transversales

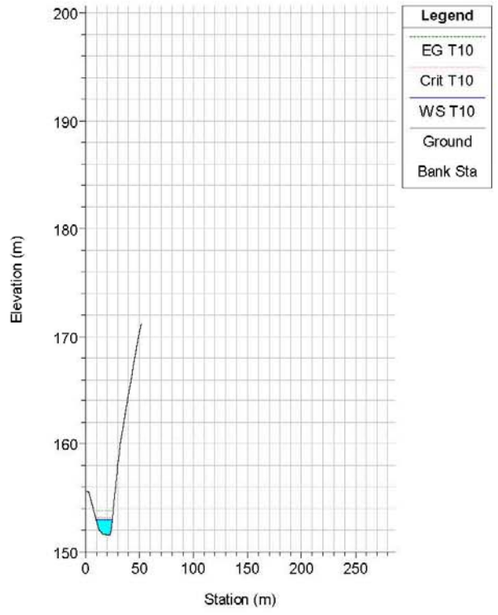
River = JABONERO Reach = J RS = 4236.505



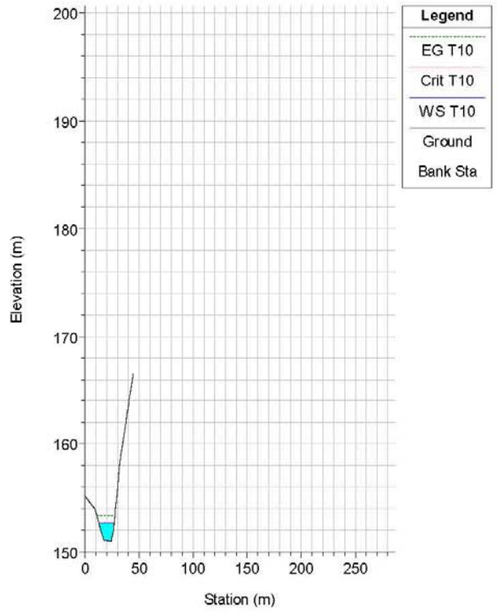
River = JABONERO Reach = J RS = 4187.088



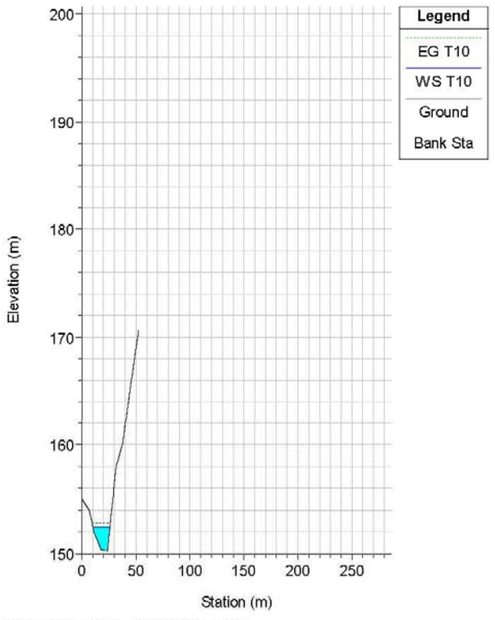
River = JABONERO Reach = J RS = 4152.920



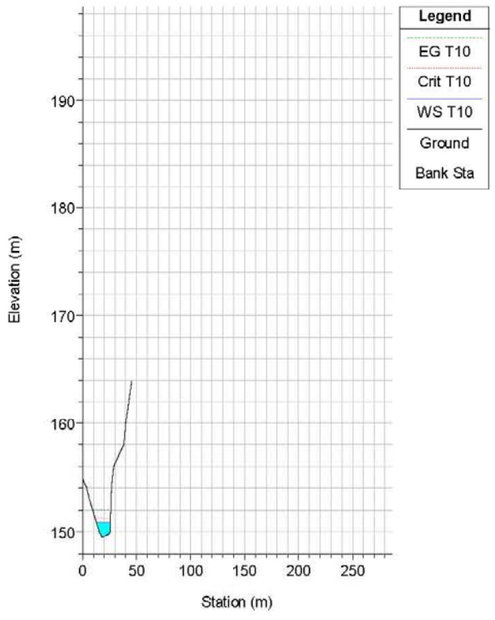
River = JABONERO Reach = J RS = 4135.152



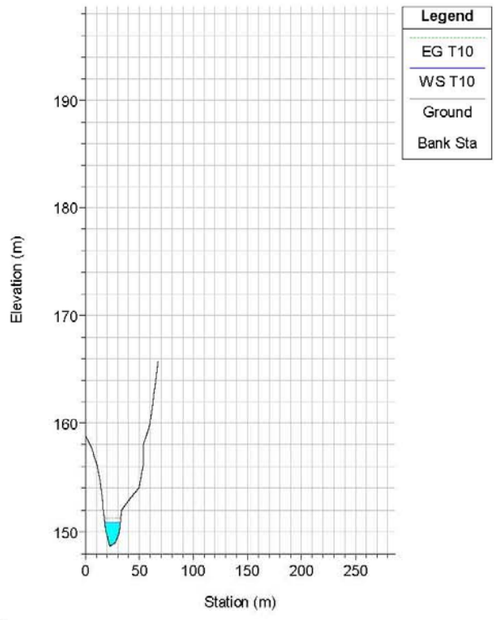
River = JABONERO Reach = J RS = 4112.808



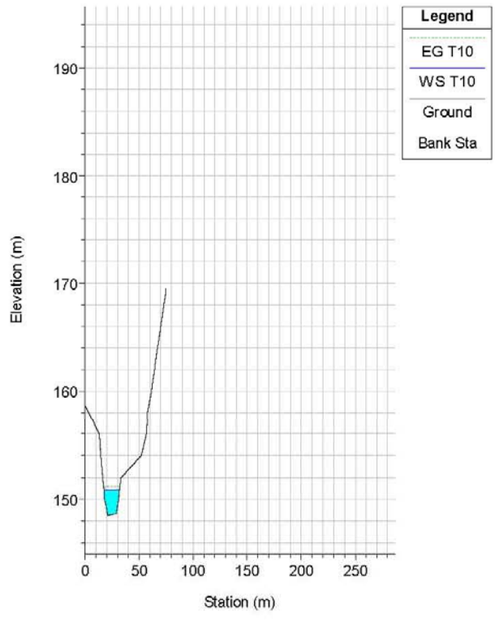
River = JABONERO Reach = J RS = 4086.856



River = JABONERO Reach = J RS = 4036.207



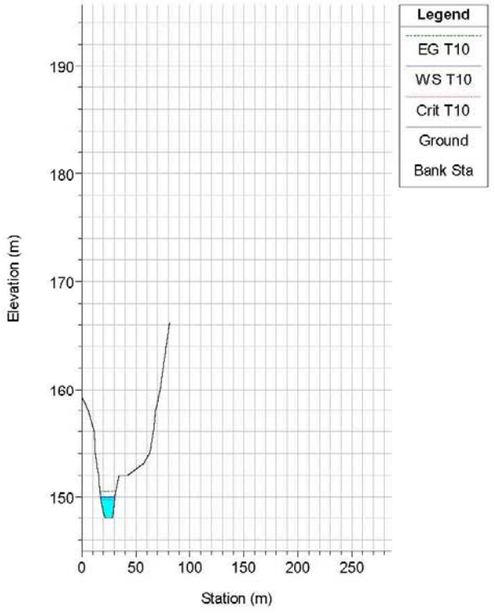
River = JABONERO Reach = J RS = 4021.238



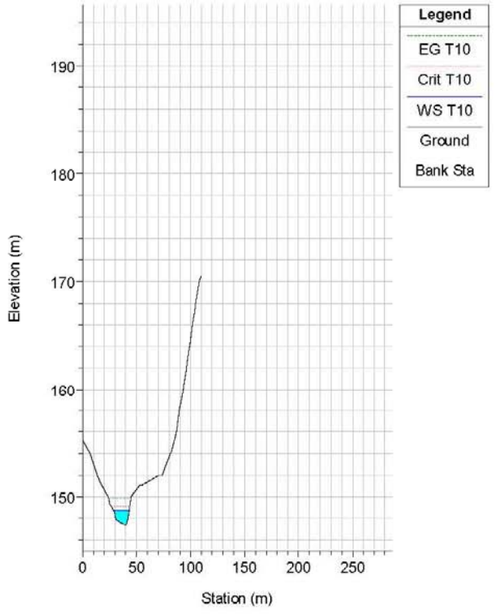
1 cm Horiz. = 50 m 1 cm Vert. = 5 m

1

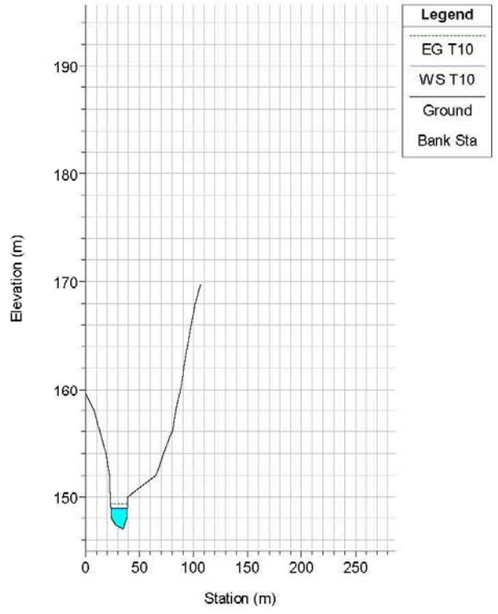
River = JABONERO Reach = J RS = 3986.983



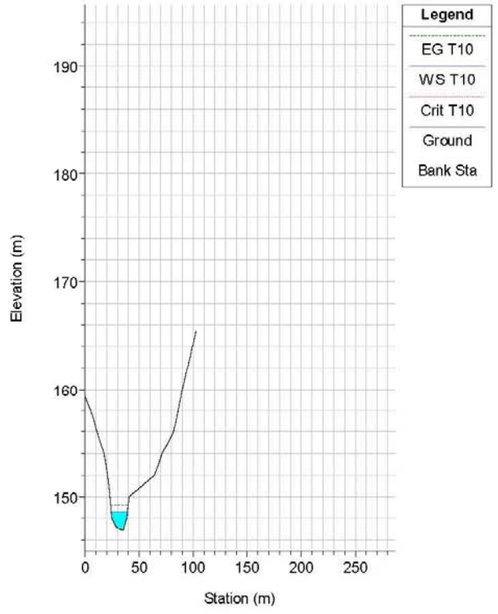
River = JABONERO Reach = J RS = 3963.987



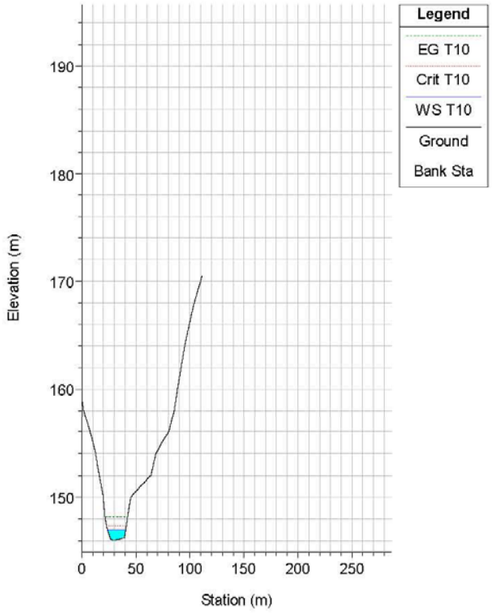
River = JABONERO Reach = J RS = 3942.286



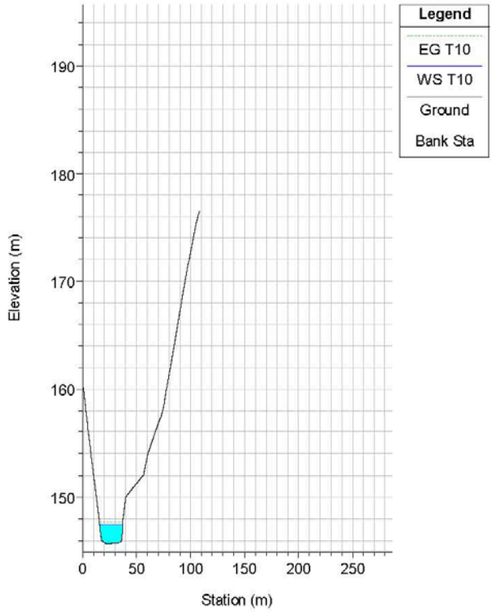
River = JABONERO Reach = J RS = 3934.517



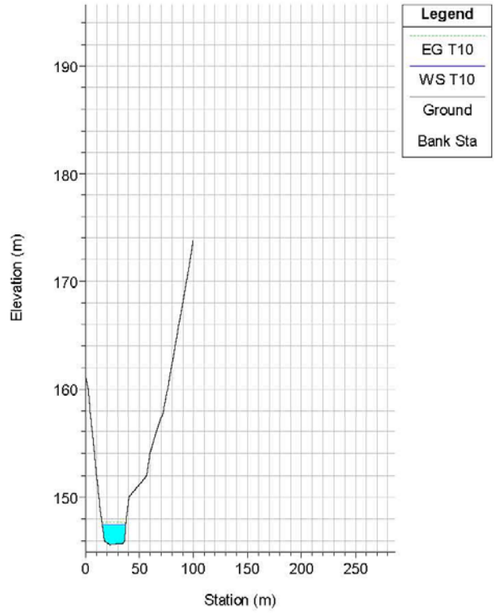
River = JABONERO Reach = J RS = 3910.370



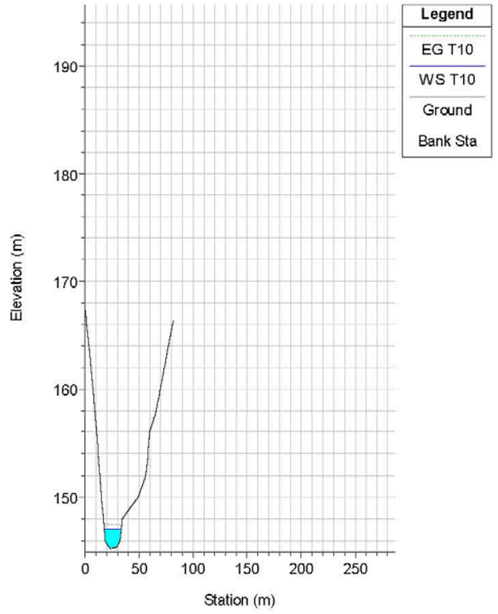
River = JABONERO Reach = J RS = 3885.980



River = JABONERO Reach = J RS = 3878.172

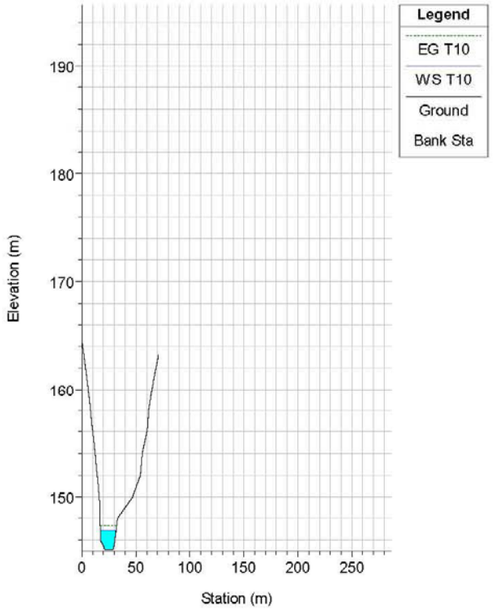


River = JABONERO Reach = J RS = 3849.743

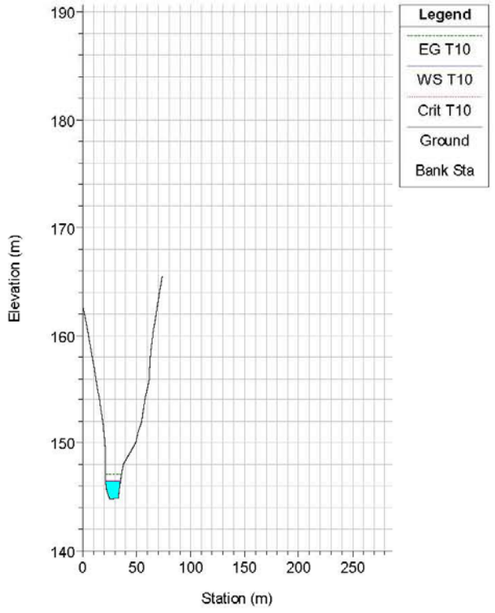


1 cm Horiz. = 50 m 1 cm Vert. = 5 m

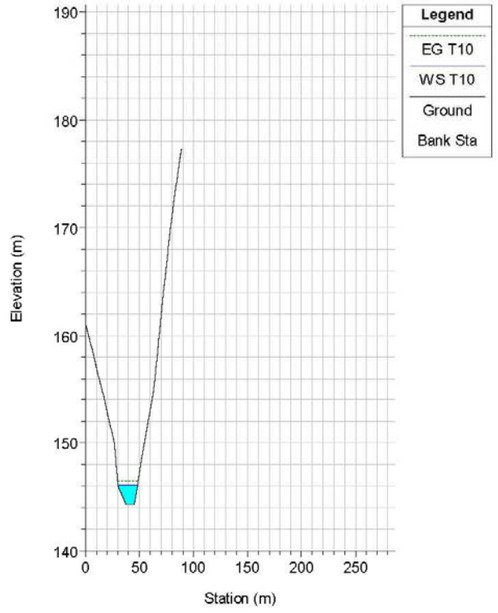
River = JABONERO Reach = J RS = 3835.595



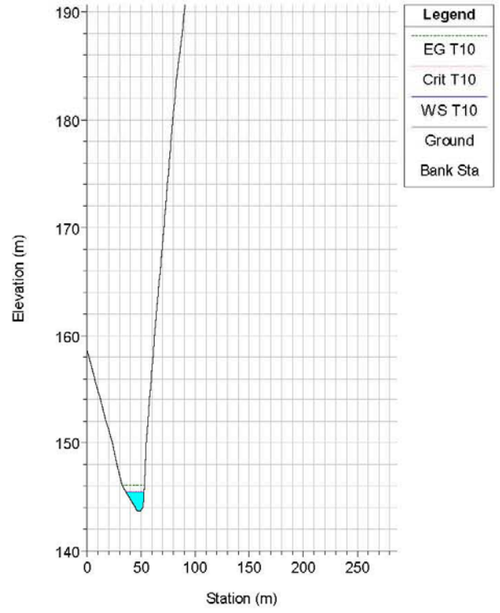
River = JABONERO Reach = J RS = 3823.002



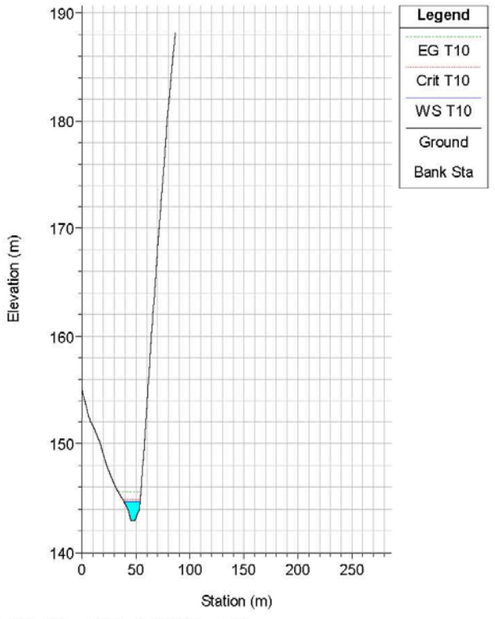
River = JABONERO Reach = J RS = 3797.531



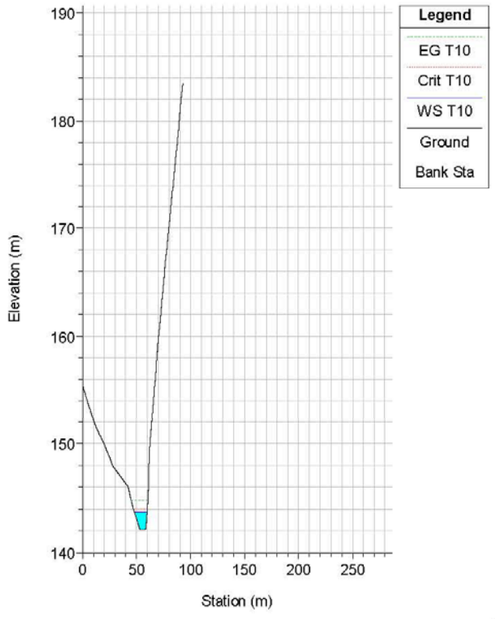
River = JABONERO Reach = J RS = 3775.543



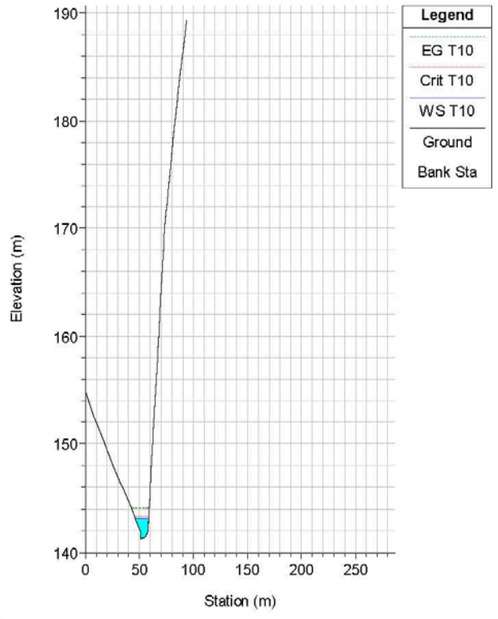
River = JABONERO Reach = J RS = 3758.353



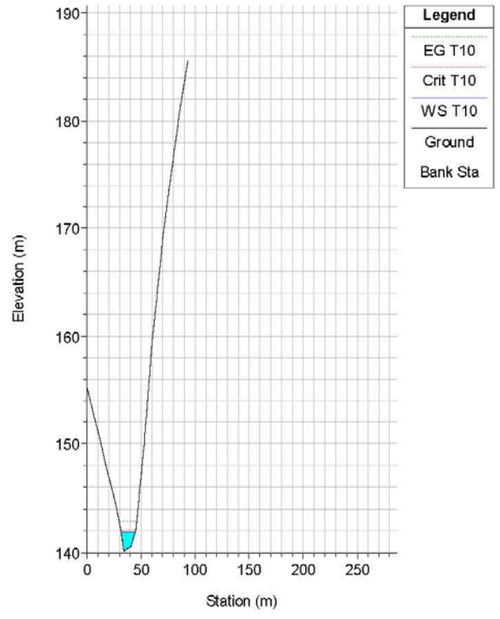
River = JABONERO Reach = J RS = 3738.875



River = JABONERO Reach = J RS = 3717.135

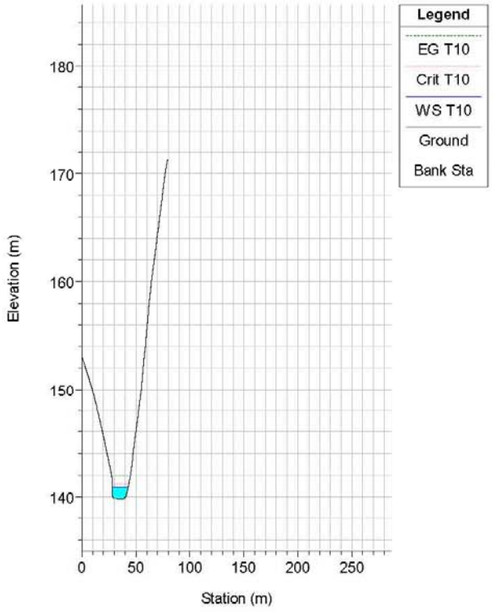


River = JABONERO Reach = J RS = 3685.995

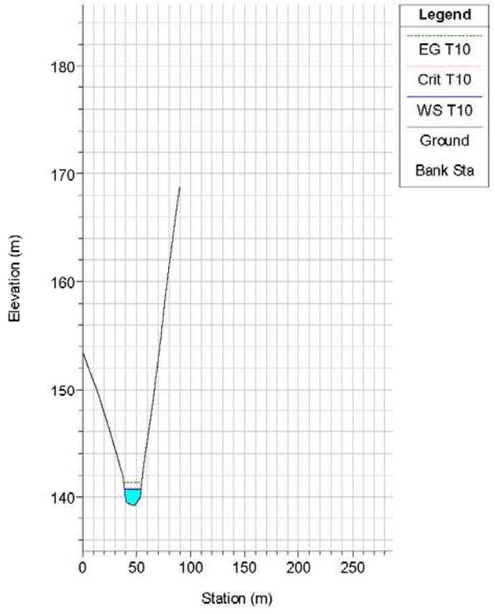


1 cm Horiz. = 50 m 1 cm Vert. = 5 m

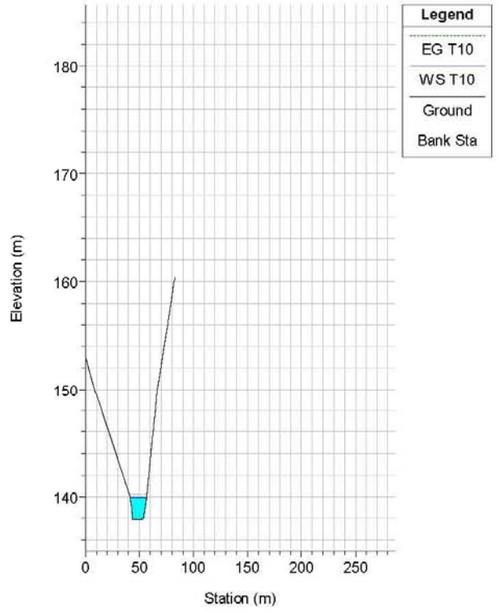
River = JABONERO Reach = J RS = 3657.463



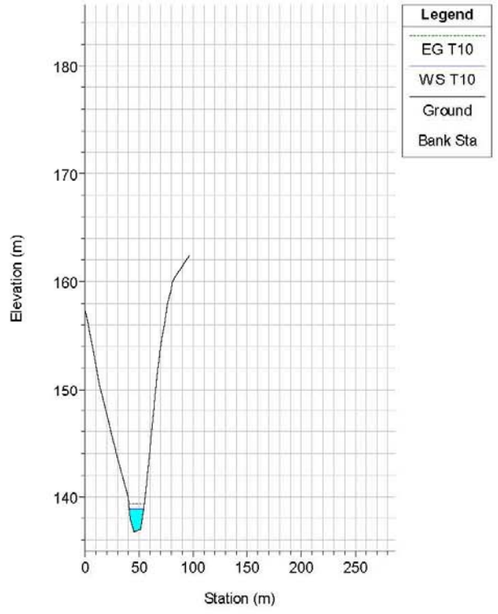
River = JABONERO Reach = J RS = 3636.981



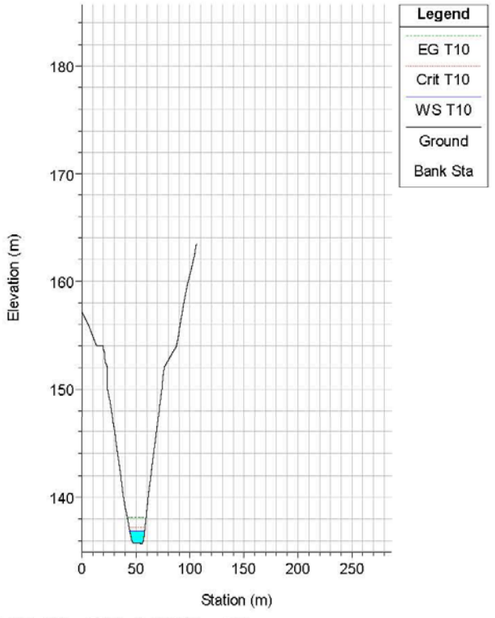
River = JABONERO Reach = J RS = 3597.666



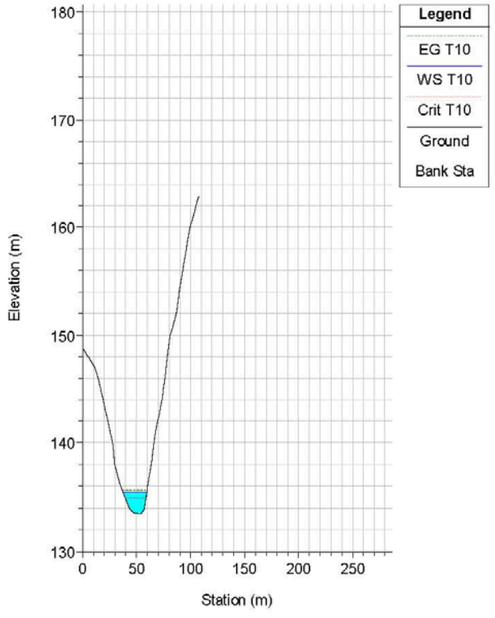
River = JABONERO Reach = J RS = 3539.950



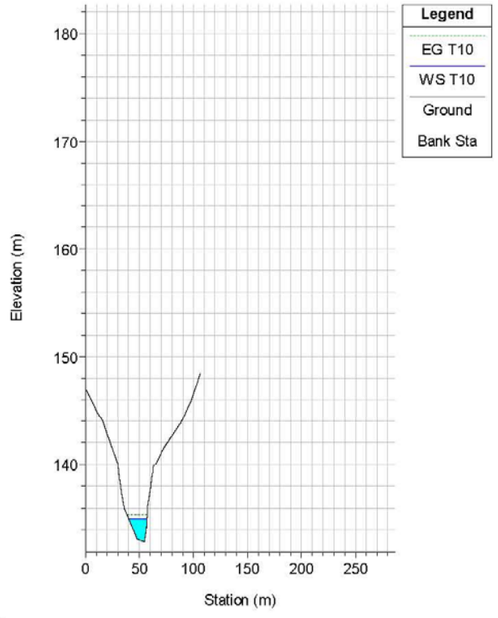
River = JABONERO Reach = J RS = 3498.908



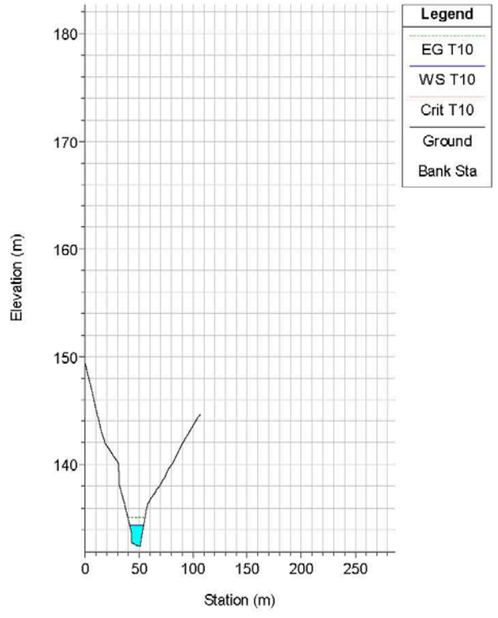
River = JABONERO Reach = J RS = 3450.506



River = JABONERO Reach = J RS = 3421.503



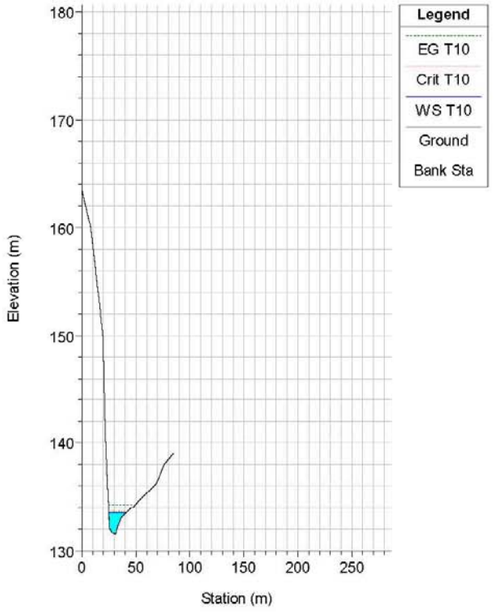
River = JABONERO Reach = J RS = 3402.716



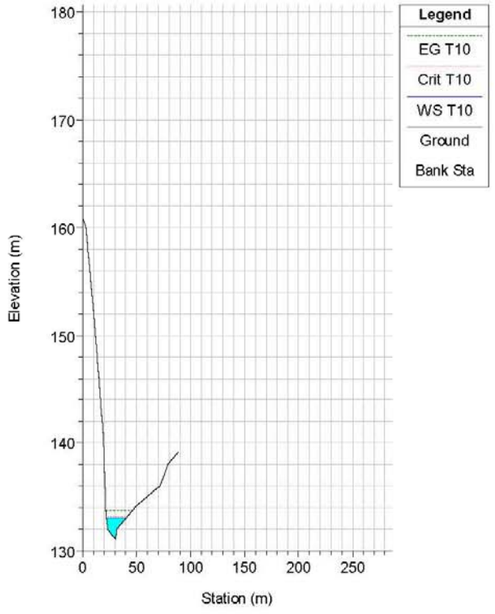
1 cm Horiz. = 50 m 1 cm Vert. = 5 m

4

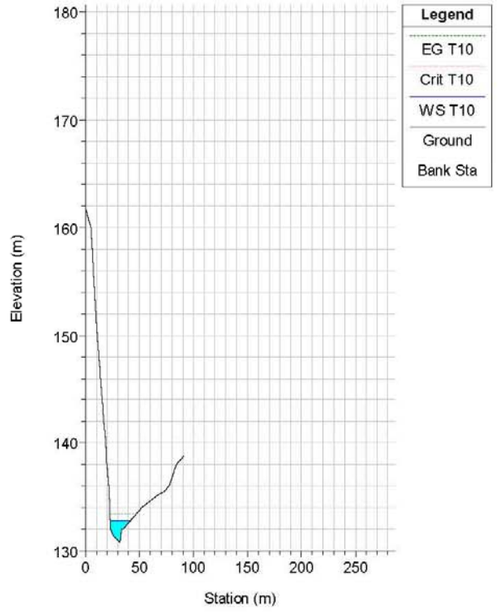
River = JABONERO Reach = J RS = 3357.716



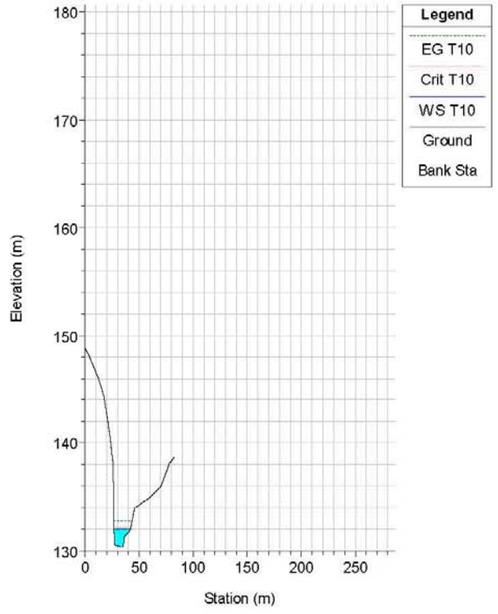
River = JABONERO Reach = J RS = 3341.215



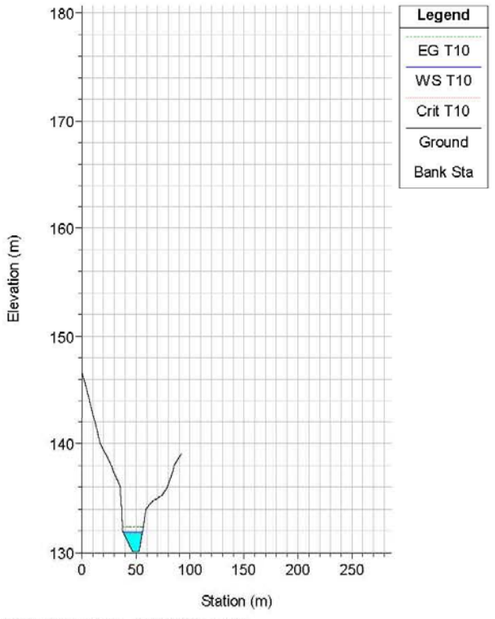
River = JABONERO Reach = J RS = 3326.460



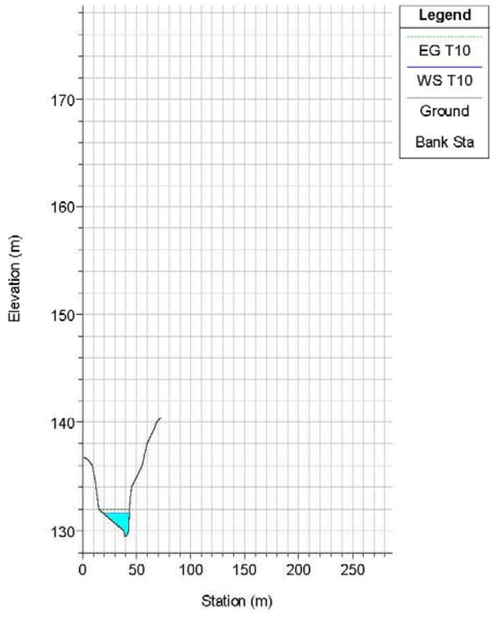
River = JABONERO Reach = J RS = 3306.301



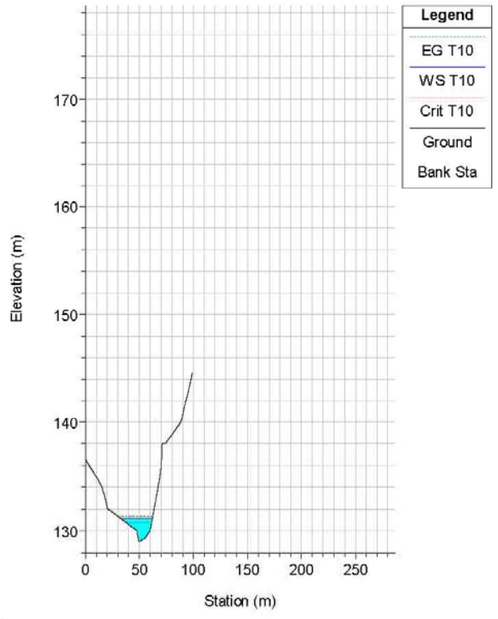
River = JABONERO Reach = J RS = 3287.127



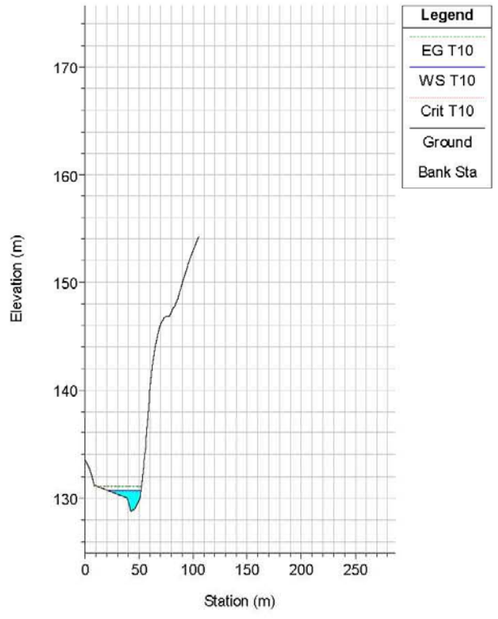
River = JABONERO Reach = J RS = 3264.098



River = JABONERO Reach = J RS = 3240.290



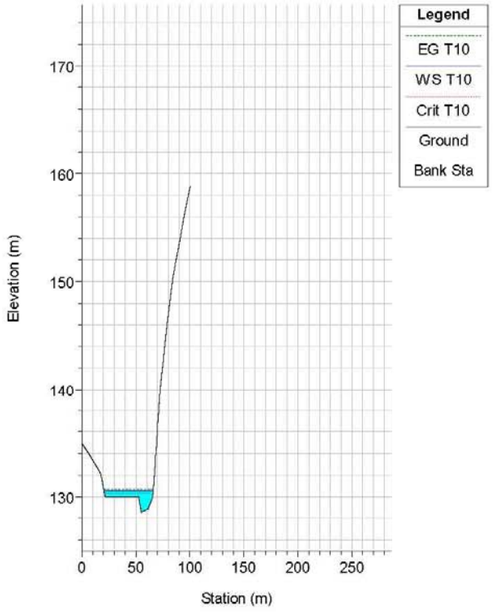
River = JABONERO Reach = J RS = 3220.646



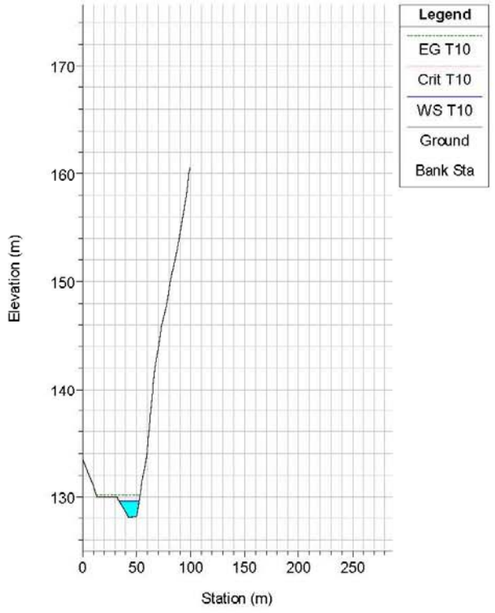
1 cm Horiz. = 50 m 1 cm Vert. = 5 m

5

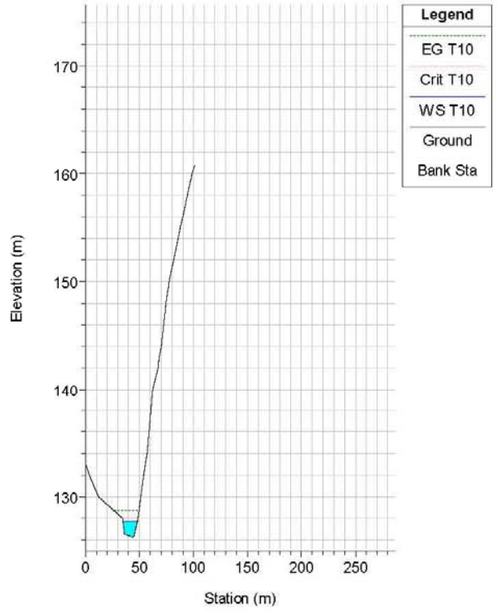
River = JABONERO Reach = J RS = 3205.824



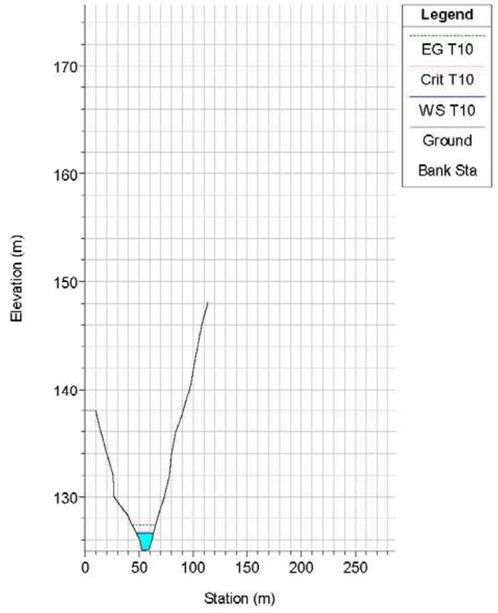
River = JABONERO Reach = J RS = 3172.065



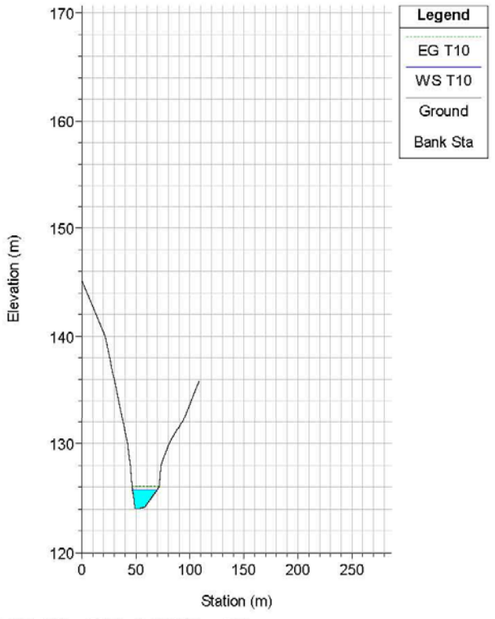
River = JABONERO Reach = J RS = 3132.854



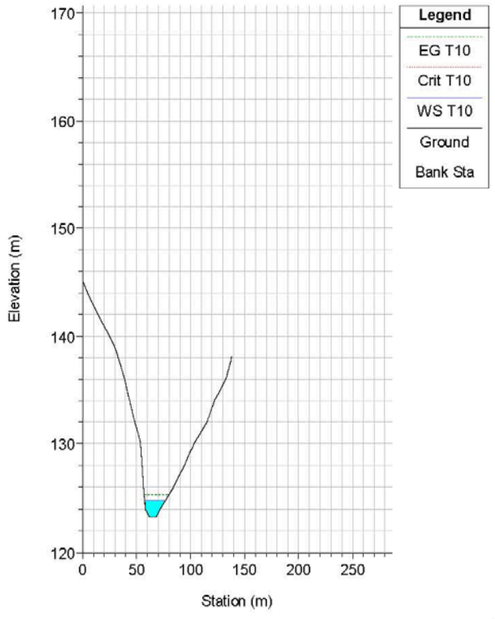
River = JABONERO Reach = J RS = 3087.135



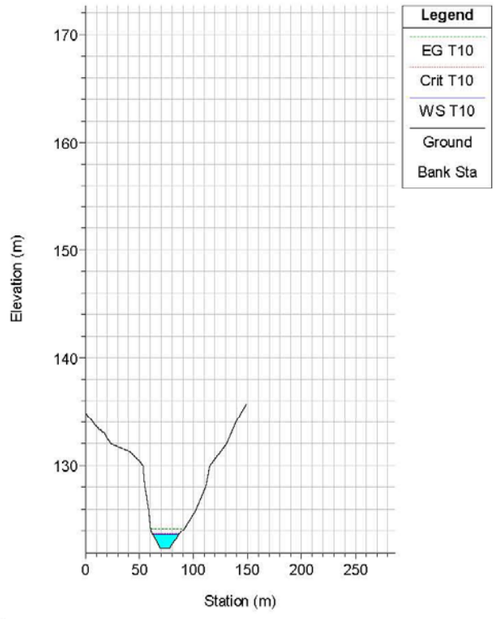
River = JABONERO Reach = J RS = 3038.138



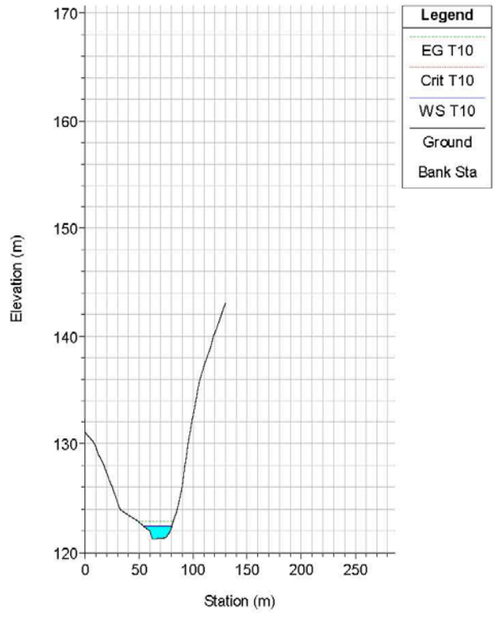
River = JABONERO Reach = J RS = 2990.569



River = JABONERO Reach = J RS = 2936.947



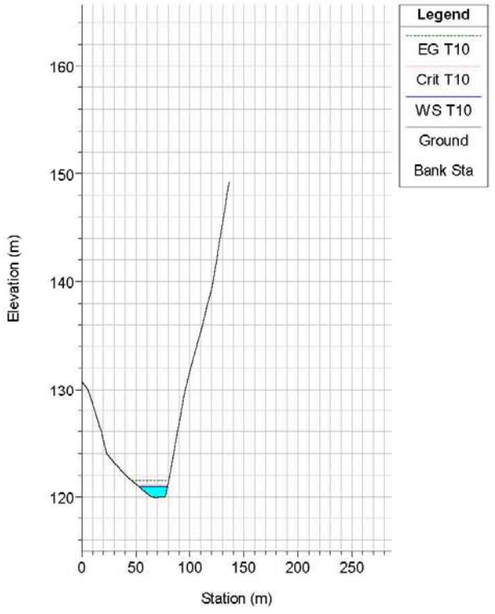
River = JABONERO Reach = J RS = 2883.870



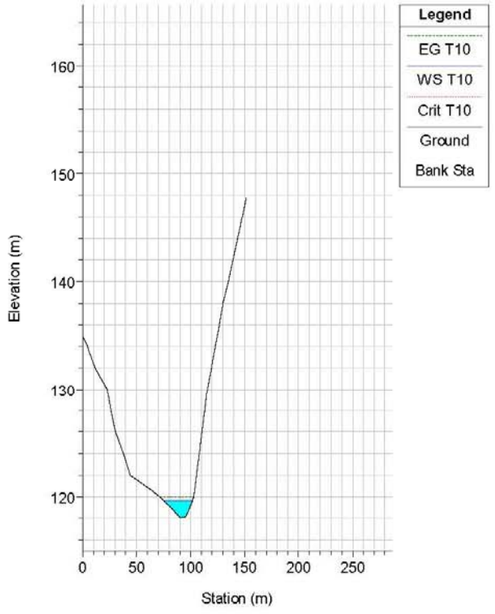
1 cm Horiz. = 50 m 1 cm Vert. = 5 m

6

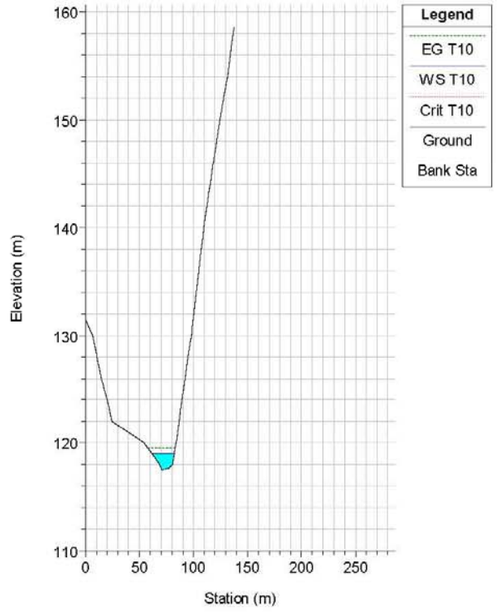
River = JABONERO Reach = J RS = 2839.496



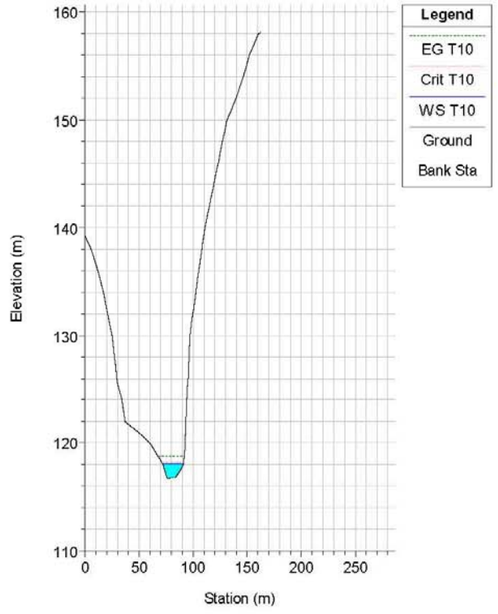
River = JABONERO Reach = J RS = 2791.786



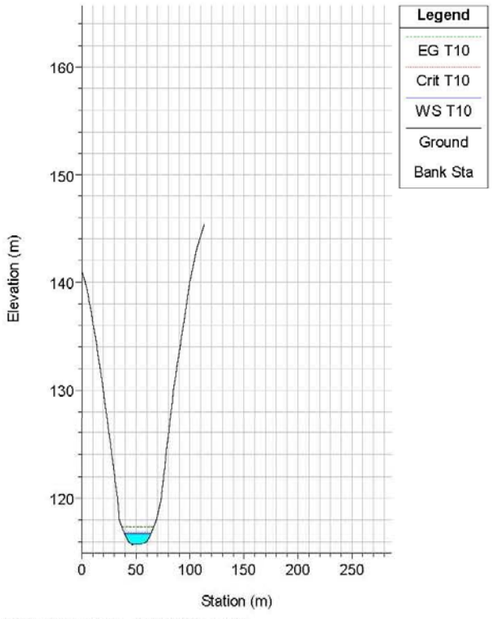
River = JABONERO Reach = J RS = 2760.603



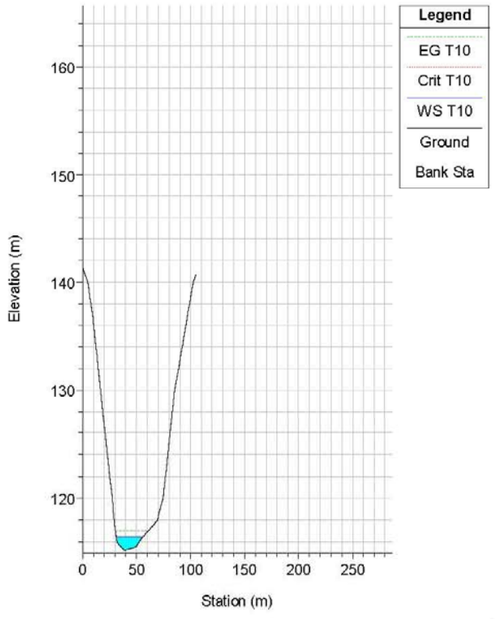
River = JABONERO Reach = J RS = 2726.339



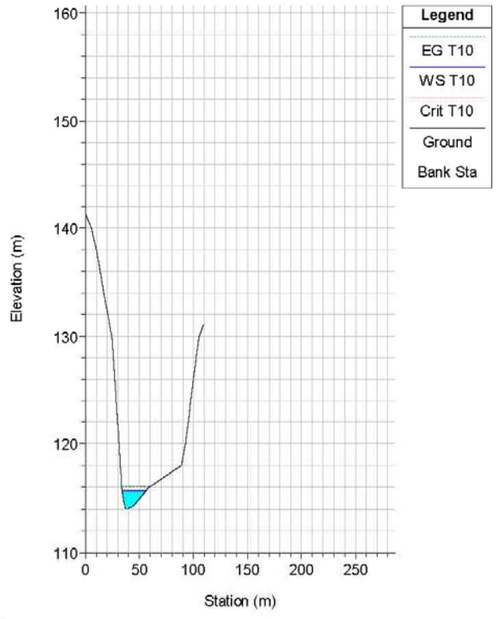
River = JABONERO Reach = J RS = 2687.686



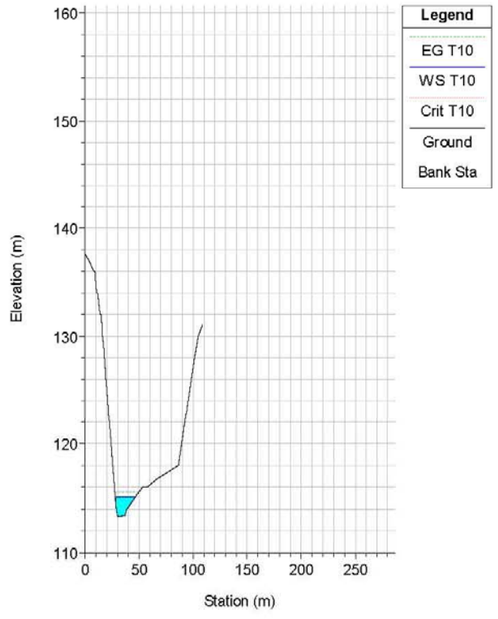
River = JABONERO Reach = J RS = 2674.875



River = JABONERO Reach = J RS = 2636.262



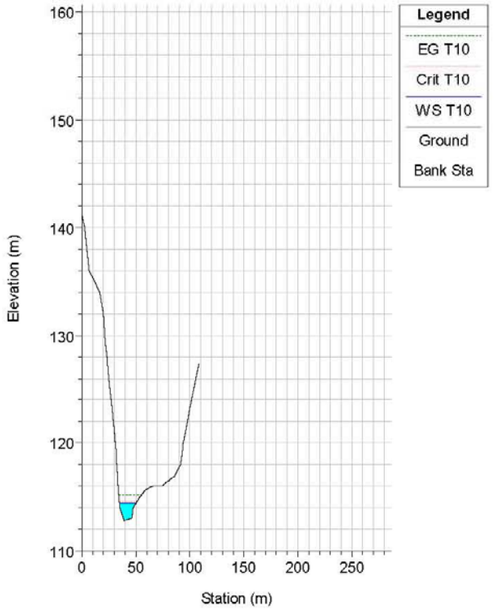
River = JABONERO Reach = J RS = 2608.283



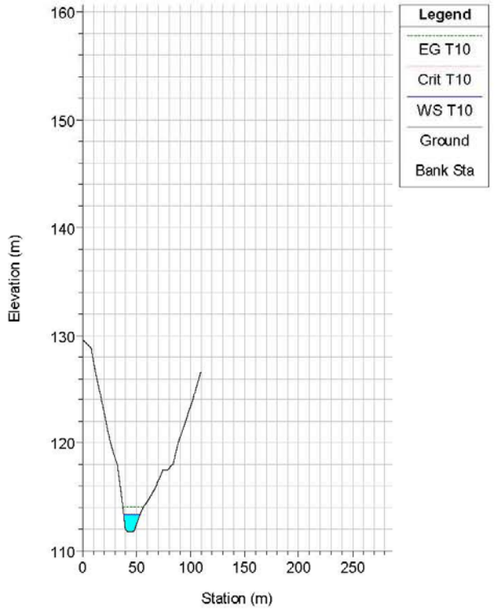
1 cm Horiz. = 50 m 1 cm Vert. = 5 m

7

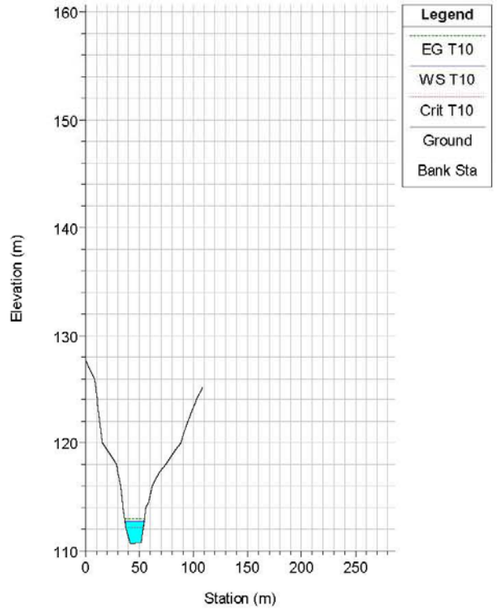
River = JABONERO Reach = J RS = 2588.041



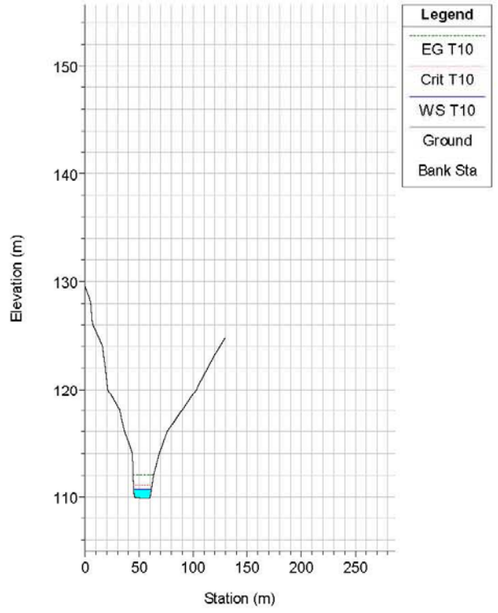
River = JABONERO Reach = J RS = 2540.678



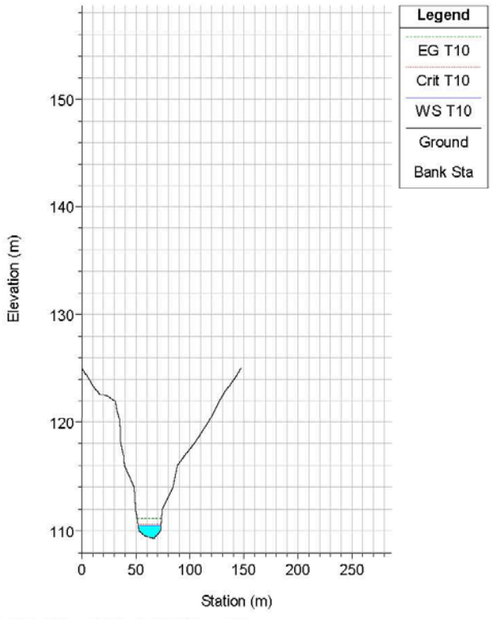
River = JABONERO Reach = J RS = 2512.372



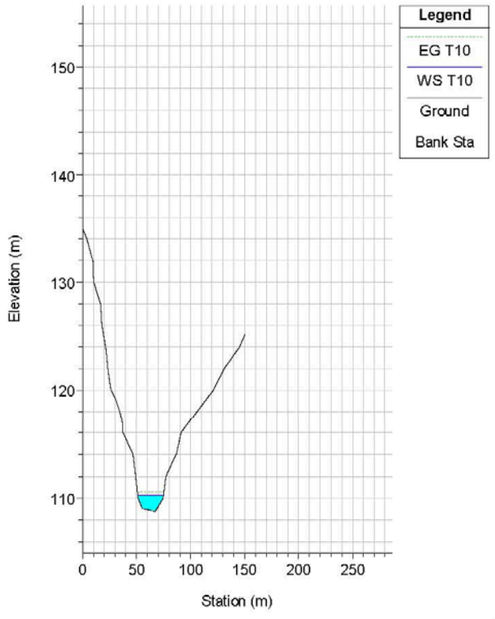
River = JABONERO Reach = J RS = 2486.986



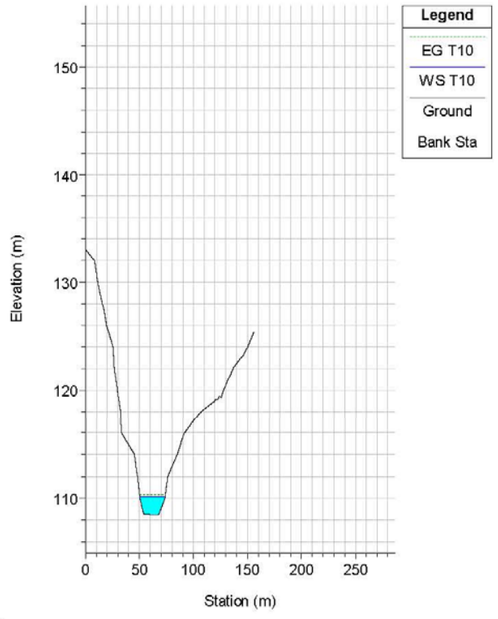
River = JABONERO Reach = J RS = 2464.014



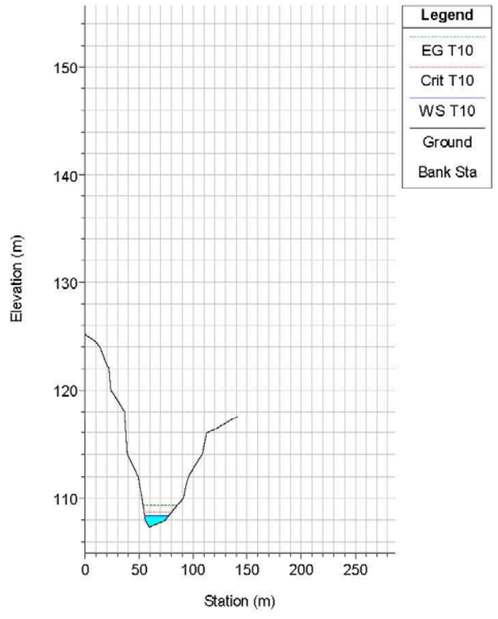
River = JABONERO Reach = J RS = 2433.454



River = JABONERO Reach = J RS = 2410.285



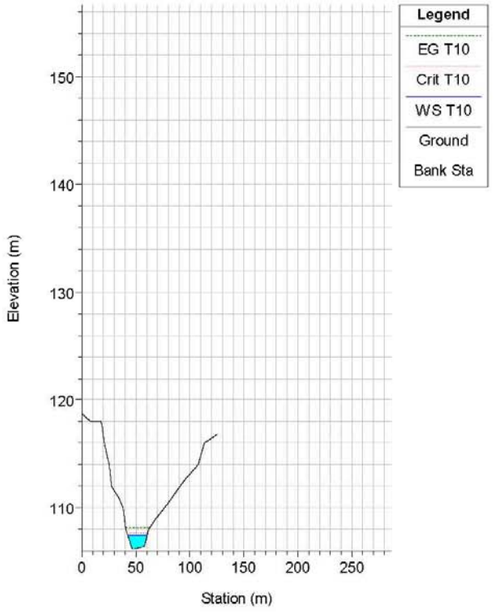
River = JABONERO Reach = J RS = 2371.948



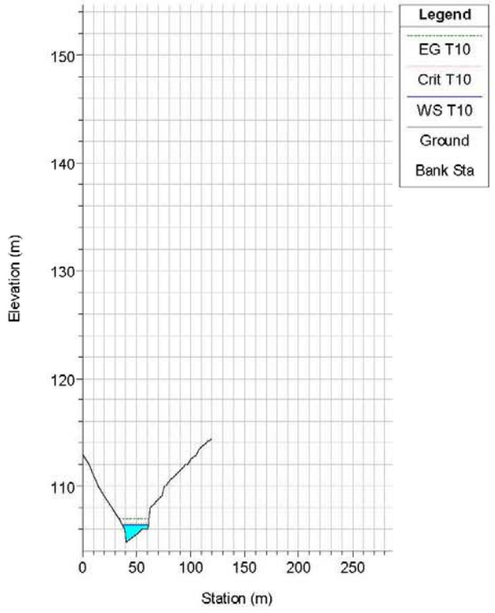
1 cm Horiz. = 50 m 1 cm Vert. = 5 m

8

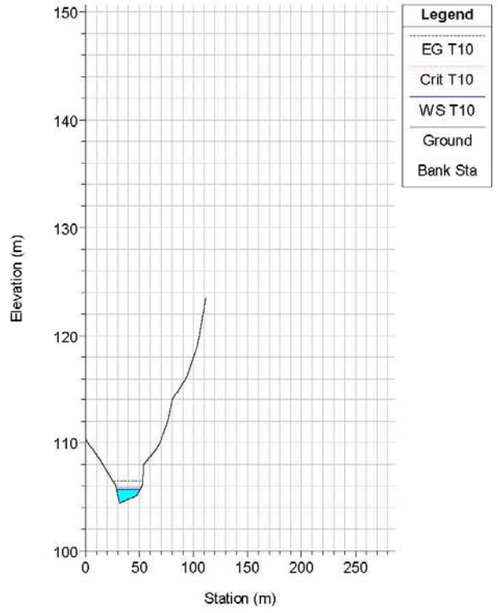
River = JABONERO Reach = J RS = 2335.758



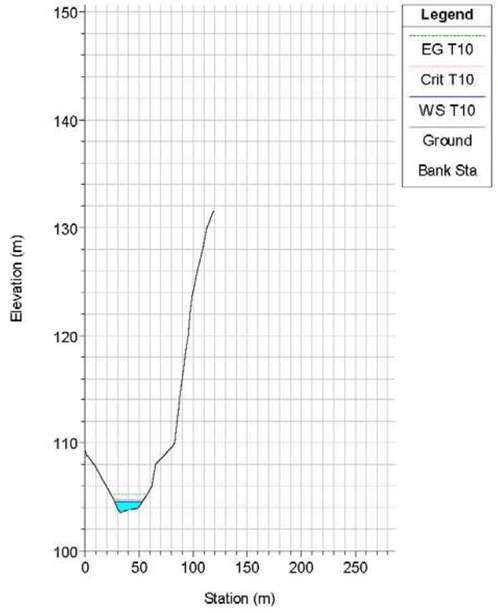
River = JABONERO Reach = J RS = 2292.022



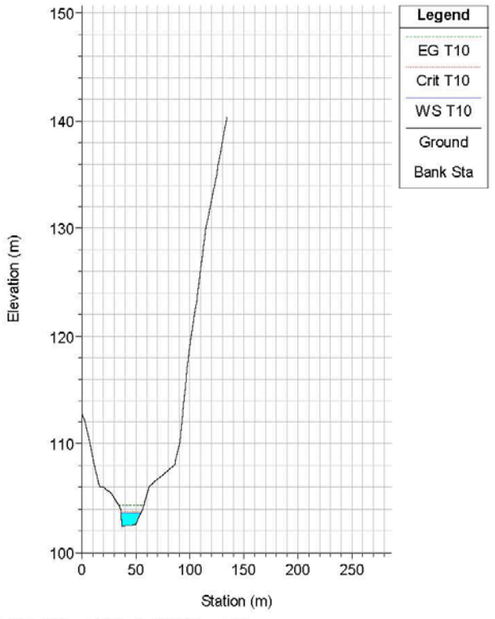
River = JABONERO Reach = J RS = 2276.962



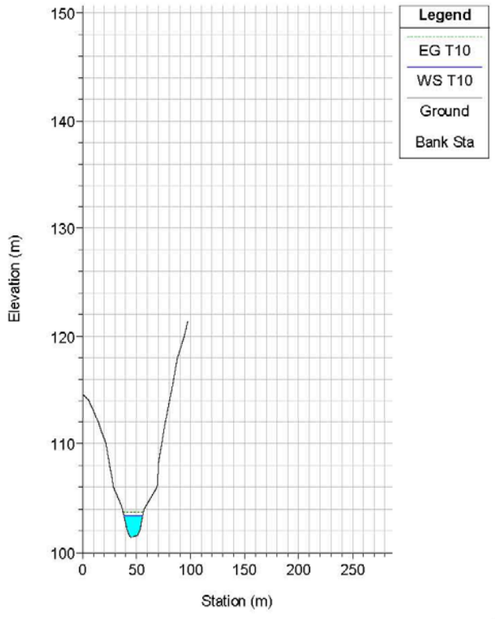
River = JABONERO Reach = J RS = 2251.878



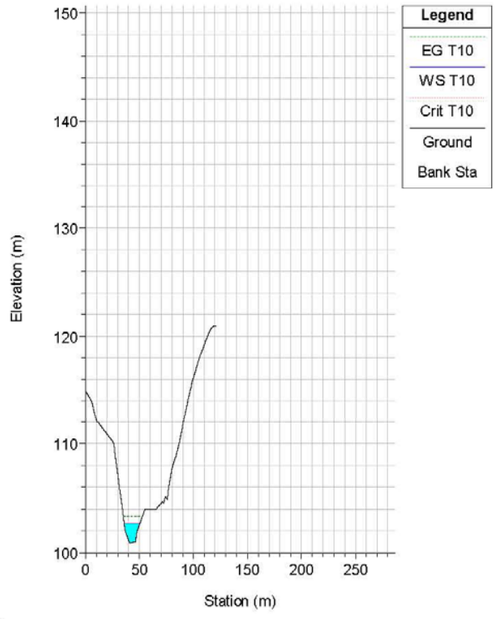
River = JABONERO Reach = J RS = 2225.289



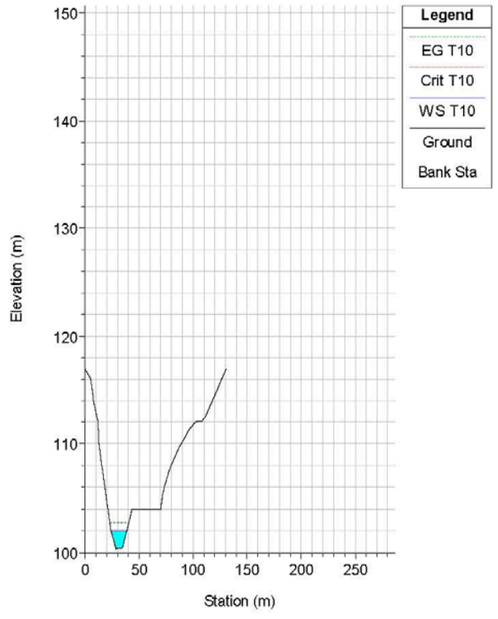
River = JABONERO Reach = J RS = 2196.462



River = JABONERO Reach = J RS = 2169.247



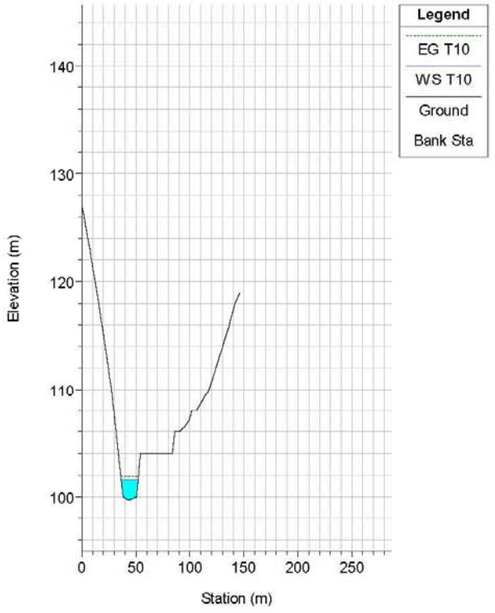
River = JABONERO Reach = J RS = 2146.610



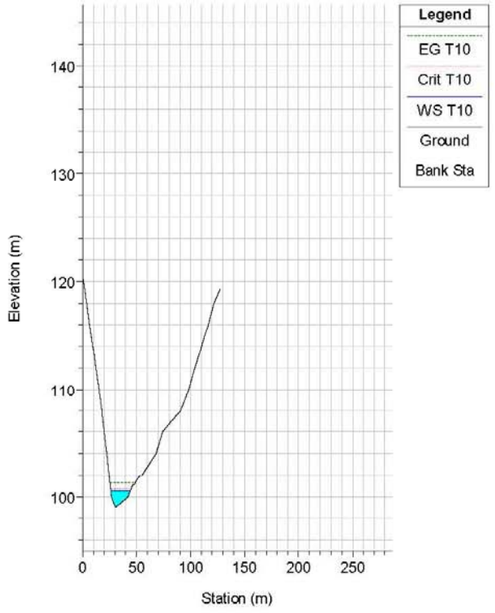
1 cm Horiz. = 50 m 1 cm Vert. = 5 m

9

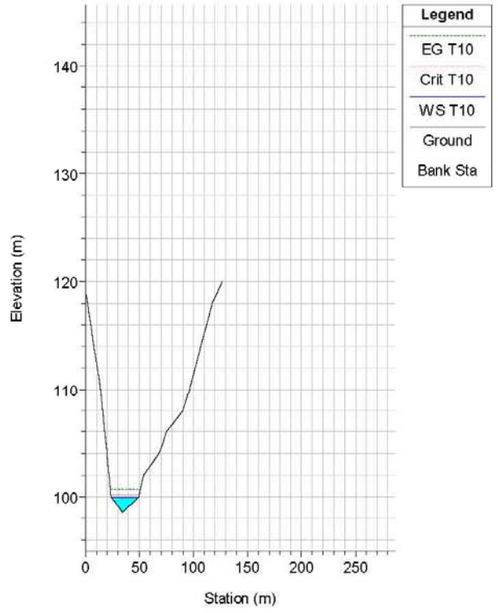
River = JABONERO Reach = J RS = 2114.118



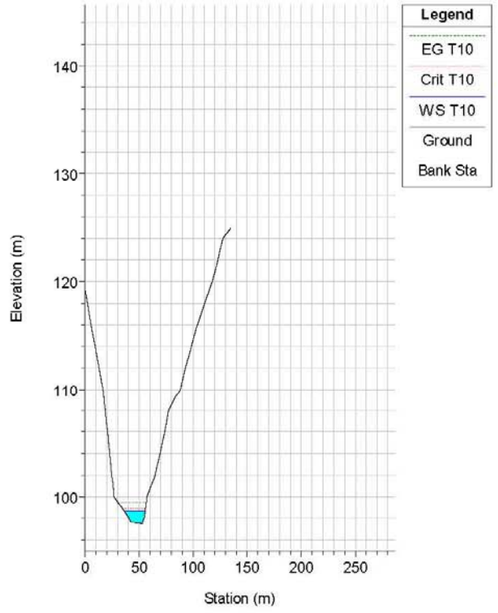
River = JABONERO Reach = J RS = 2080.935



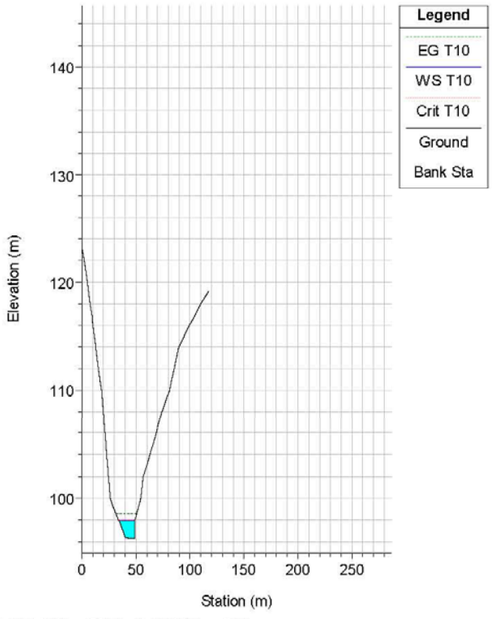
River = JABONERO Reach = J RS = 2063.251



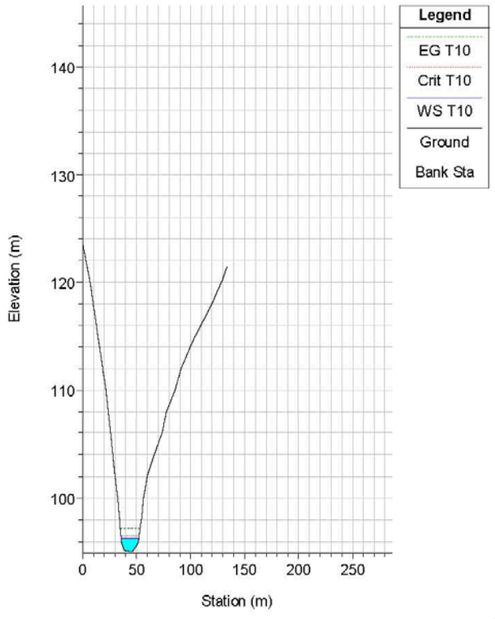
River = JABONERO Reach = J RS = 2028.275



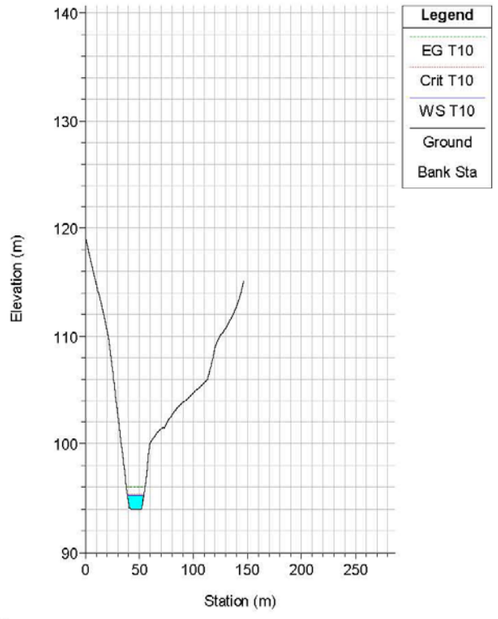
River = JABONERO Reach = J RS = 1978.131



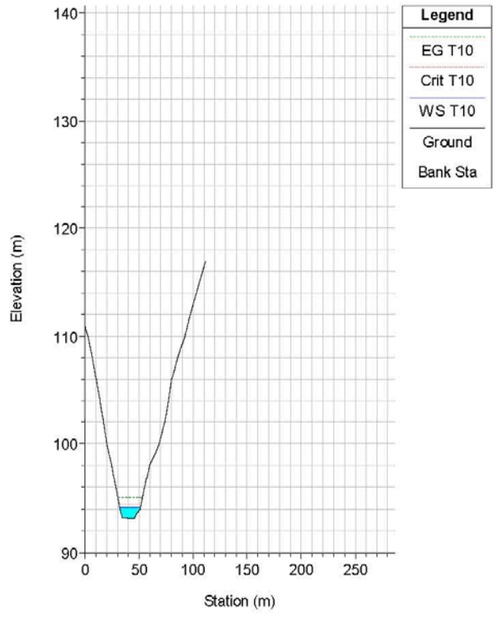
River = JABONERO Reach = J RS = 1935.947



River = JABONERO Reach = J RS = 1888.067



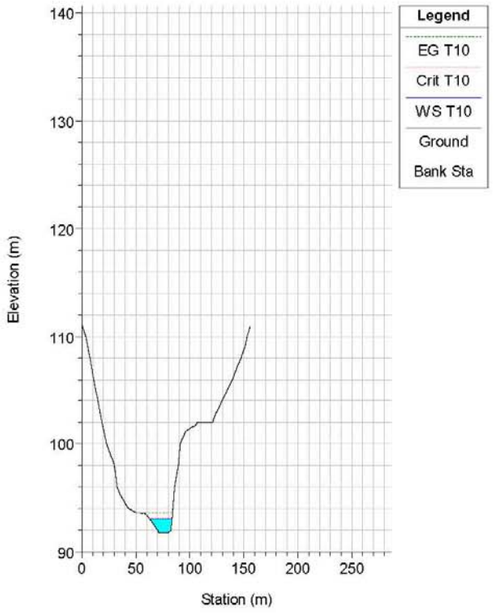
River = JABONERO Reach = J RS = 1848.962



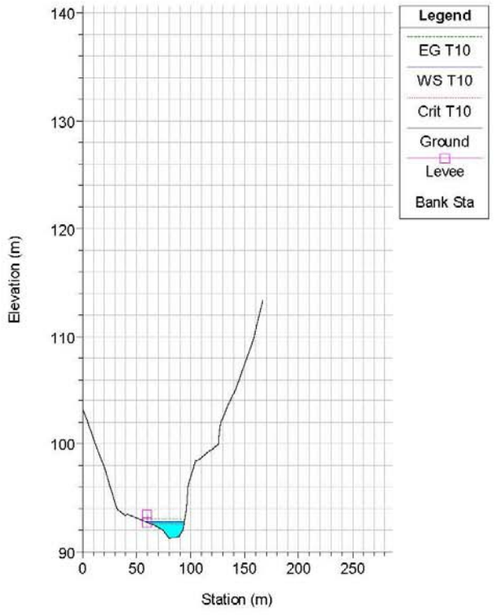
1 cm Horiz. = 50 m 1 cm Vert. = 5 m

10

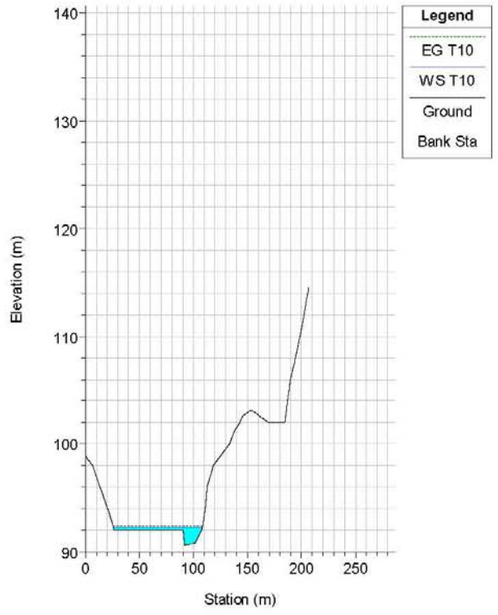
River = JABONERO Reach = J RS = 1782.186



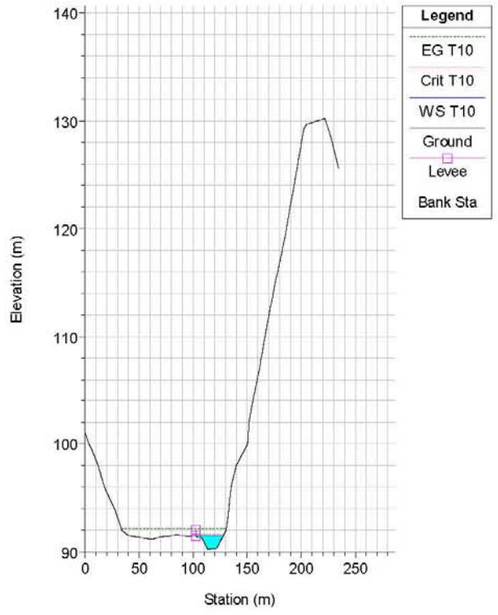
River = JABONERO Reach = J RS = 1758.621



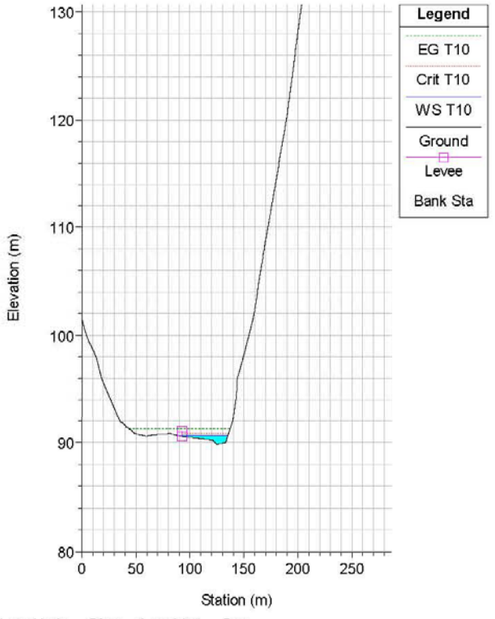
River = JABONERO Reach = J RS = 1726.596



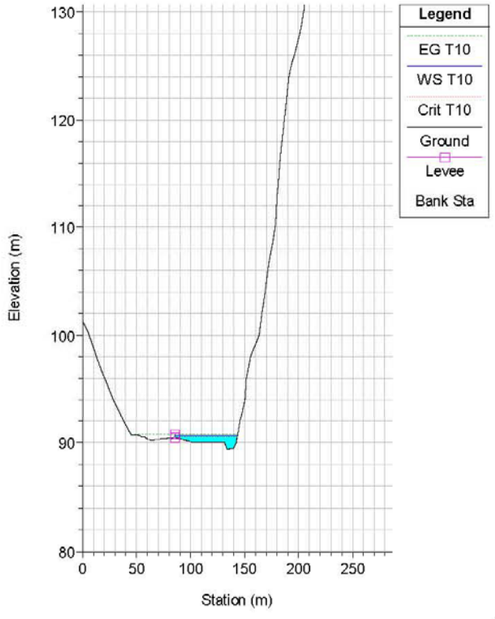
River = JABONERO Reach = J RS = 1706.281



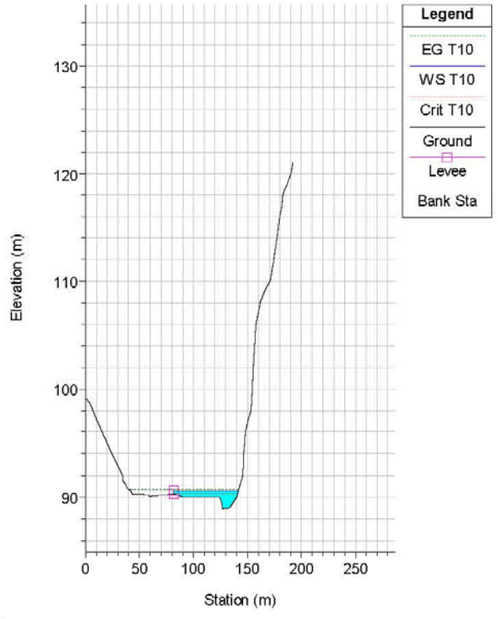
River = JABONERO Reach = J RS = 1687.295



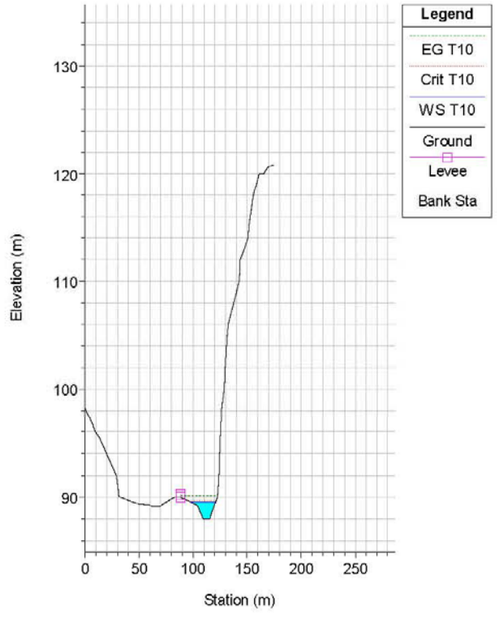
River = JABONERO Reach = J RS = 1668.478



River = JABONERO Reach = J RS = 1653.441

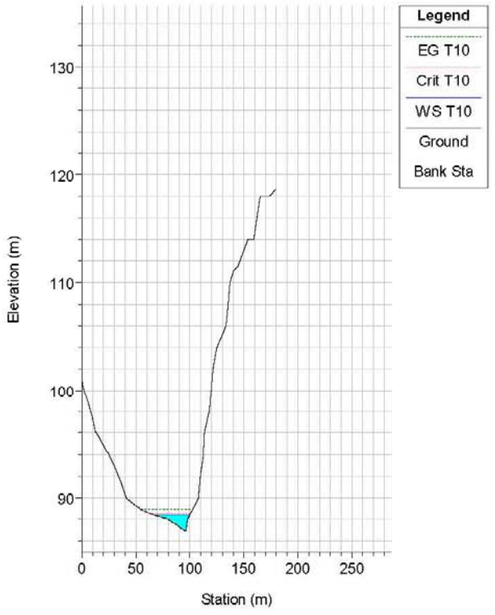


River = JABONERO Reach = J RS = 1627.202

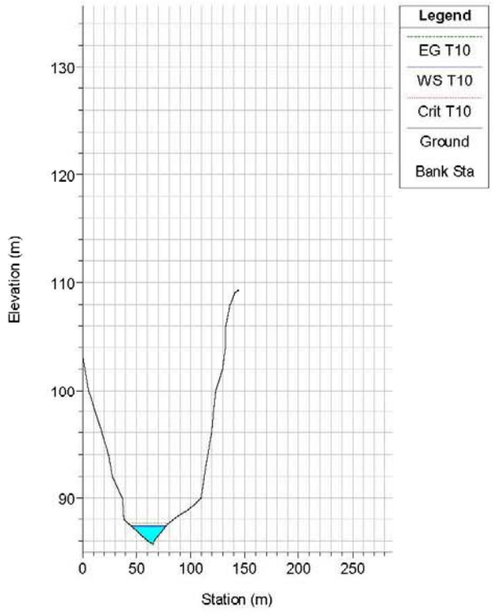


1 cm Horiz. = 50 m 1 cm Vert. = 5 m

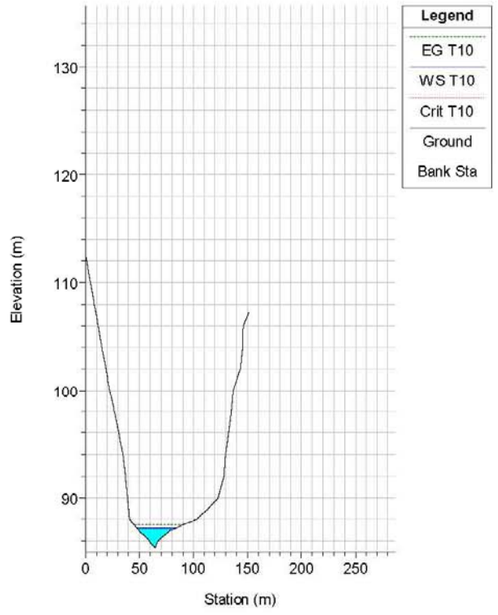
River = JABONERO Reach = J RS = 1588.072



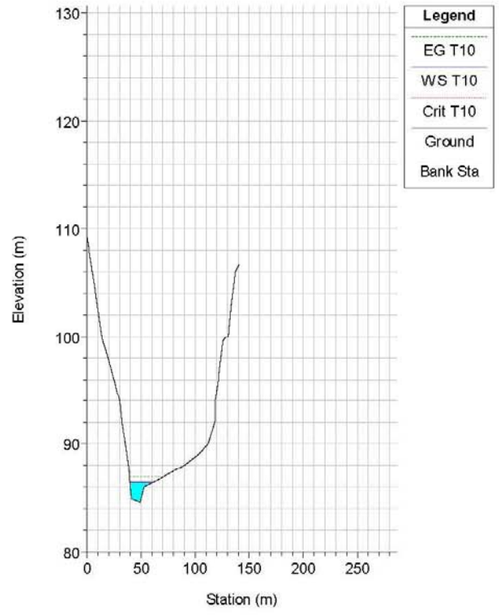
River = JABONERO Reach = J RS = 1536.387



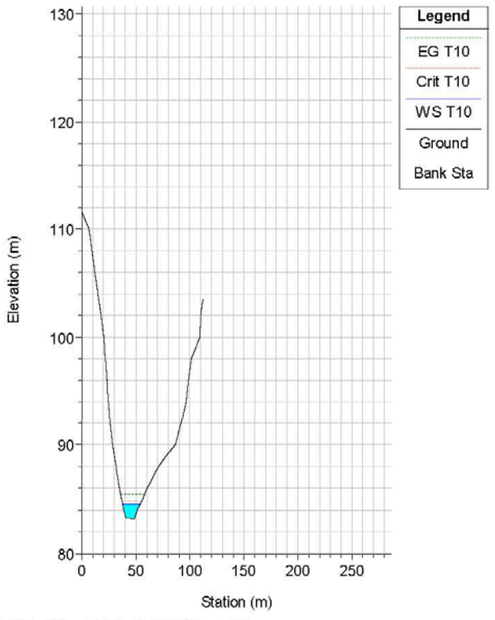
River = JABONERO Reach = J RS = 1525.948



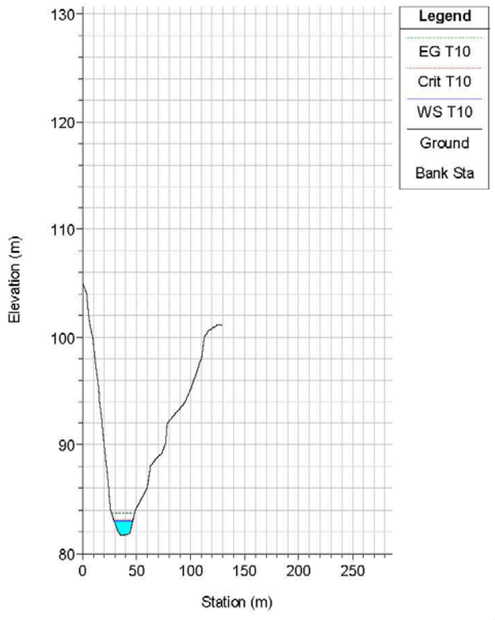
River = JABONERO Reach = J RS = 1496.077



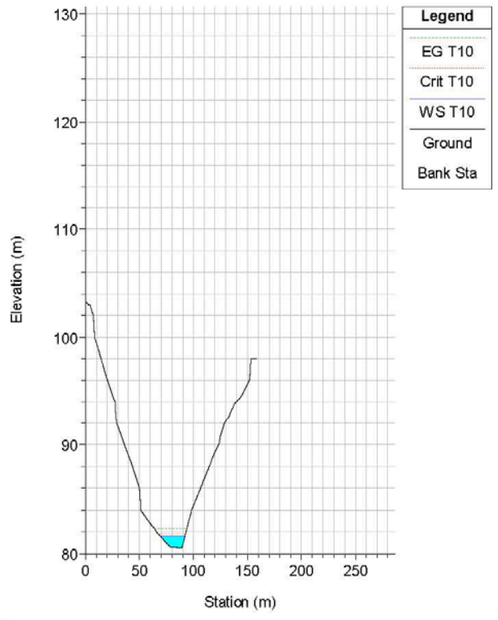
River = JABONERO Reach = J RS = 1443.782



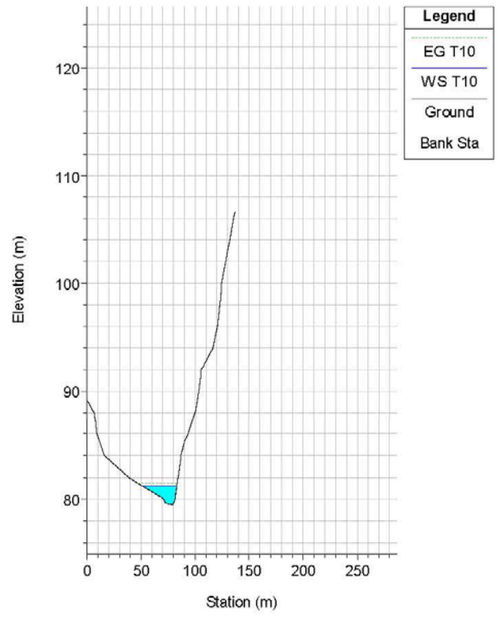
River = JABONERO Reach = J RS = 1380.837



River = JABONERO Reach = J RS = 1337.583



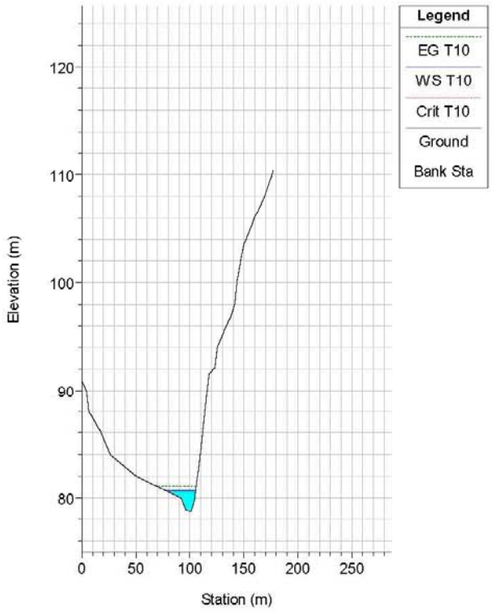
River = JABONERO Reach = J RS = 1292.883



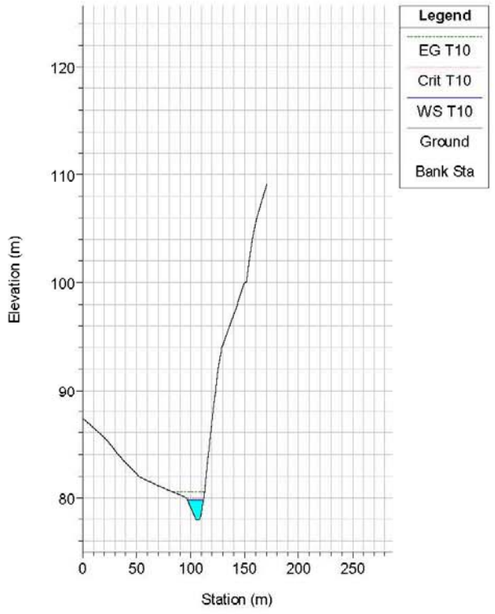
1 cm Horiz. = 50 m 1 cm Vert. = 5 m

12

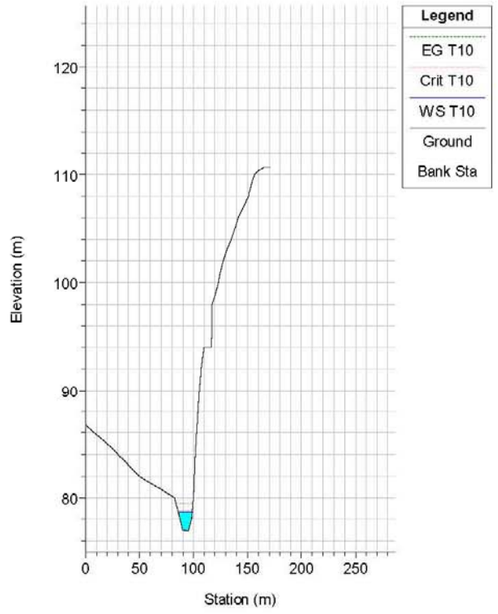
River = JABONERO Reach = J RS = 1261.292



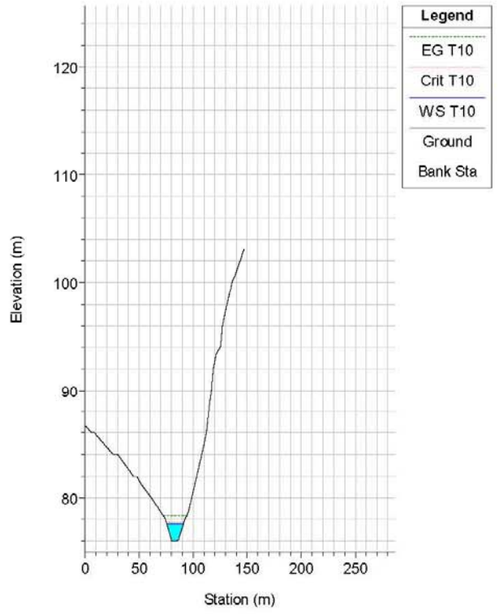
River = JABONERO Reach = J RS = 1236.595



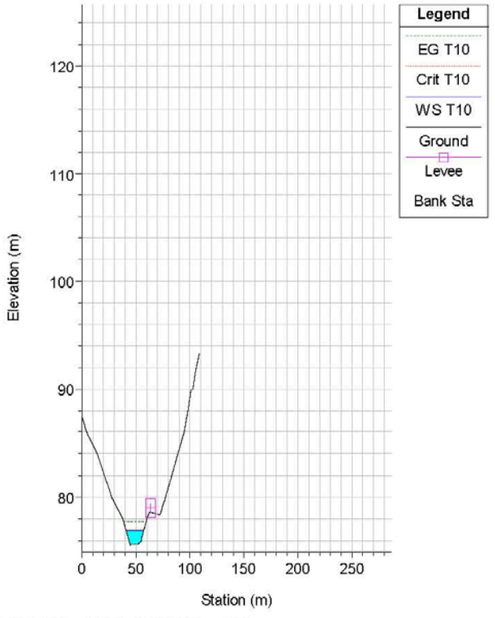
River = JABONERO Reach = J RS = 1199.159



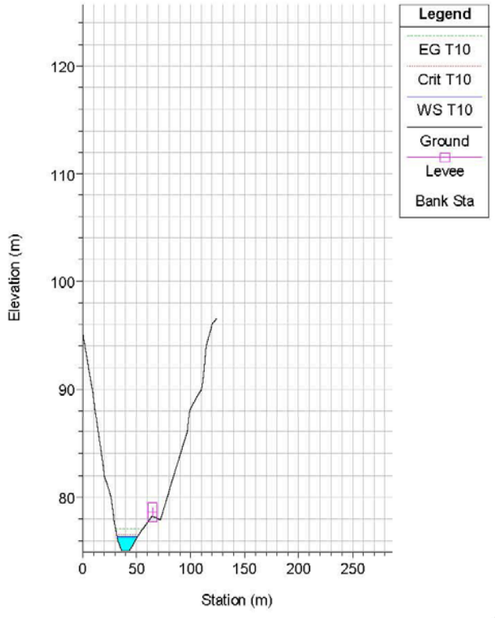
River = JABONERO Reach = J RS = 1157.709



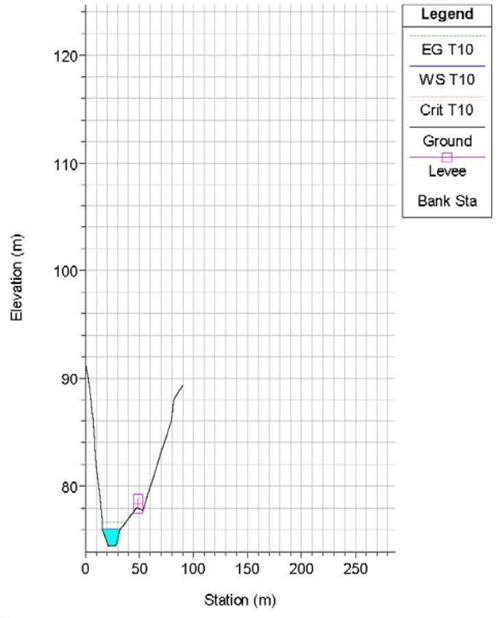
River = JABONERO Reach = J RS = 1138.506



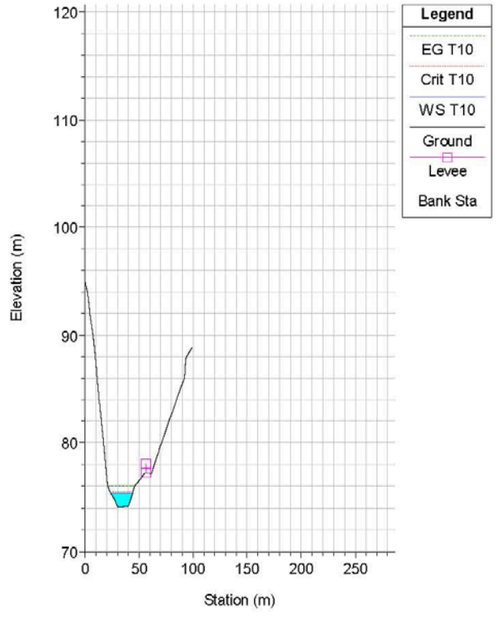
River = JABONERO Reach = J RS = 1119.253



River = JABONERO Reach = J RS = 1094.269

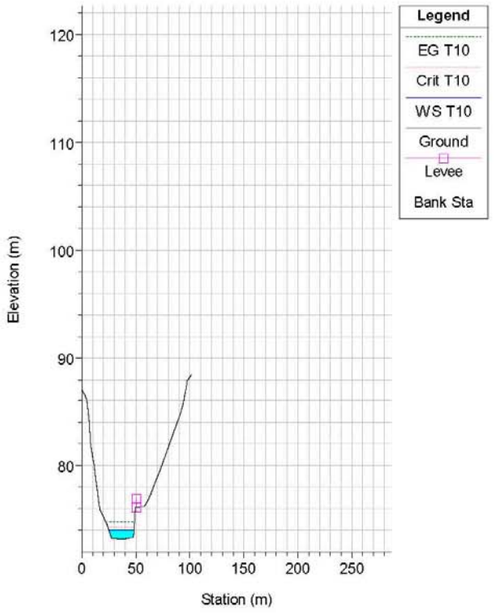


River = JABONERO Reach = J RS = 1069.330

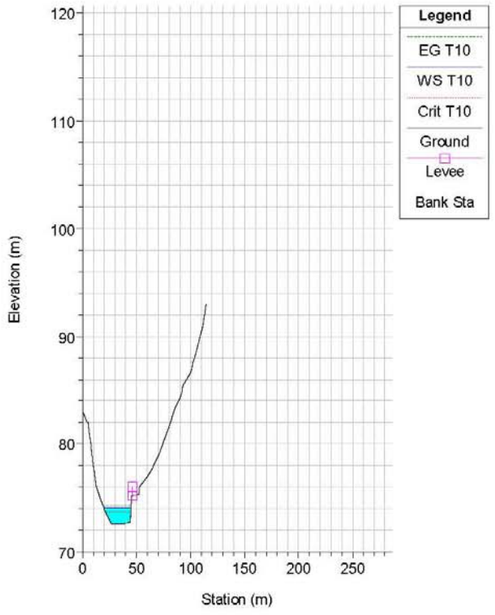


1 cm Horiz. = 50 m 1 cm Vert. = 5 m

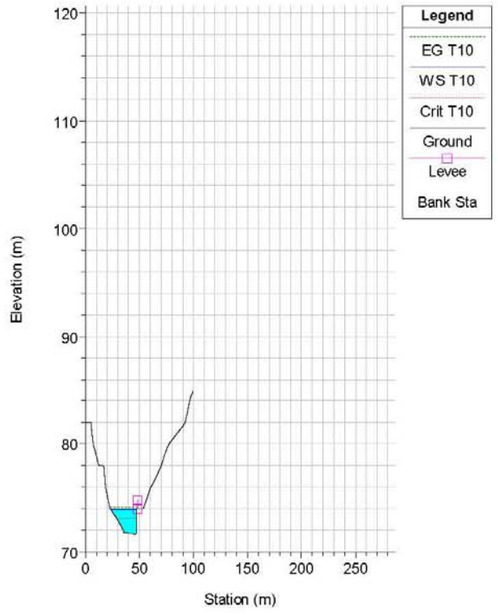
River = JABONERO Reach = J RS = 1037.423



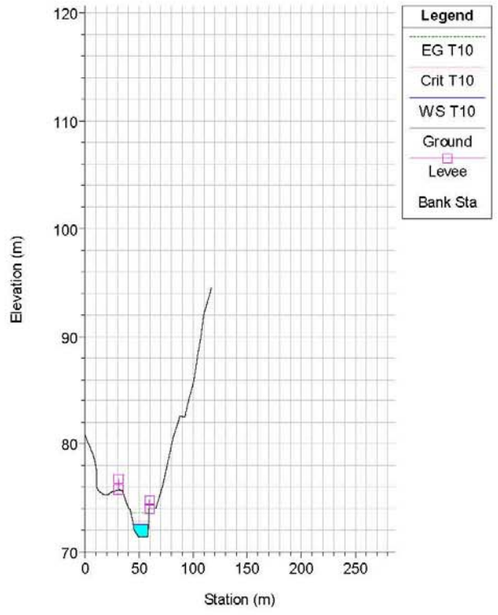
River = JABONERO Reach = J RS = 1023.559



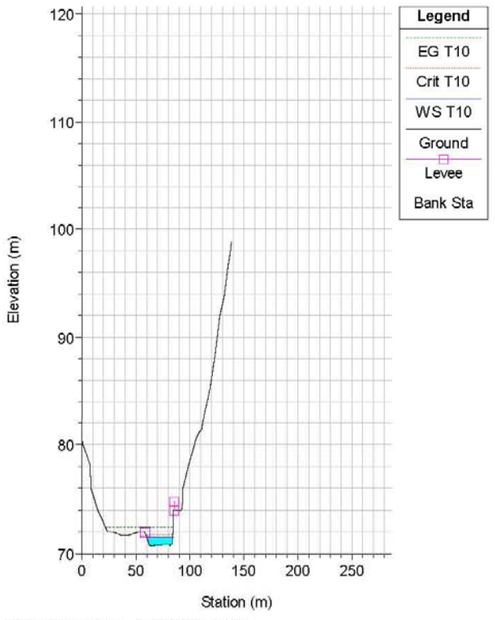
River = JABONERO Reach = J RS = 998.0634



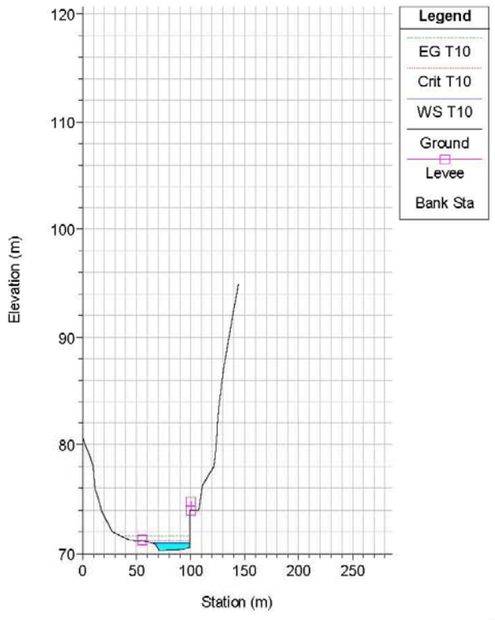
River = JABONERO Reach = J RS = 978.7810



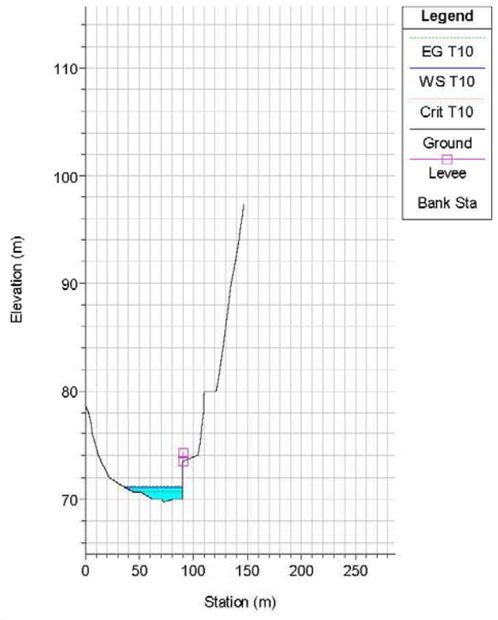
River = JABONERO Reach = J RS = 954.7578



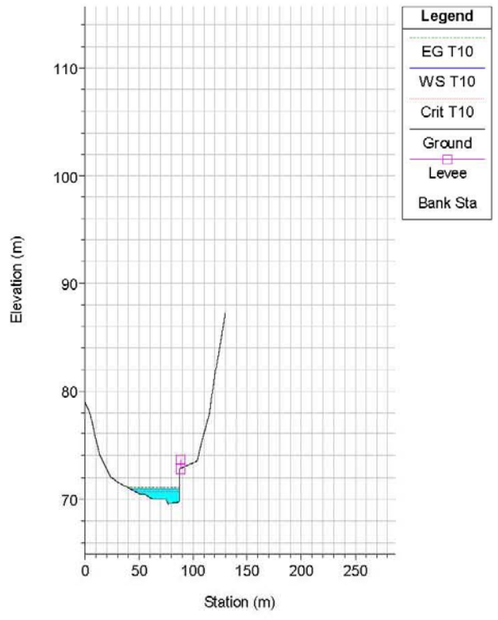
River = JABONERO Reach = J RS = 937.2899



River = JABONERO Reach = J RS = 915.6324

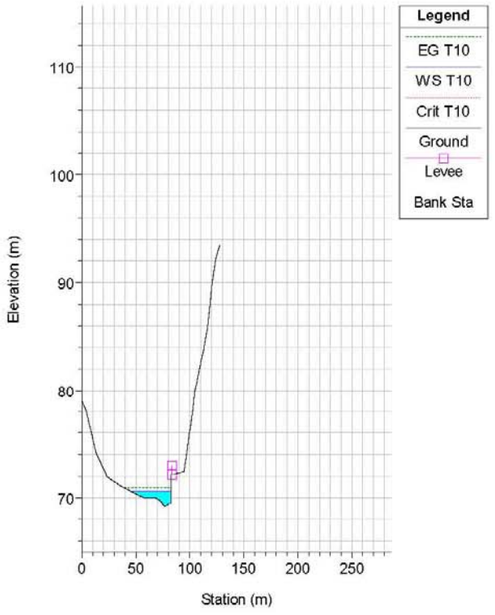


River = JABONERO Reach = J RS = 906.5645

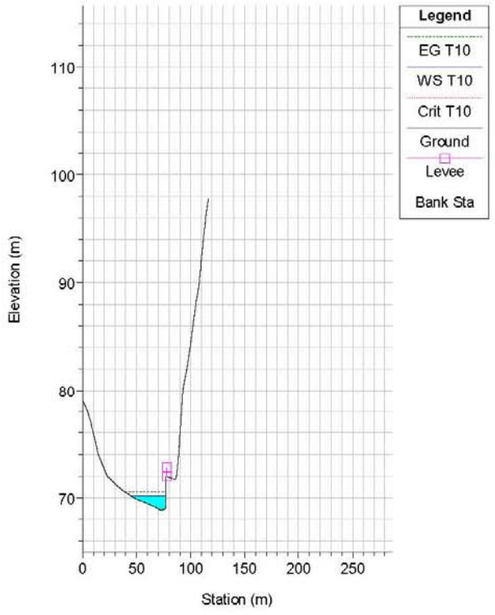


1 cm Horiz. = 50 m 1 cm Vert. = 5 m

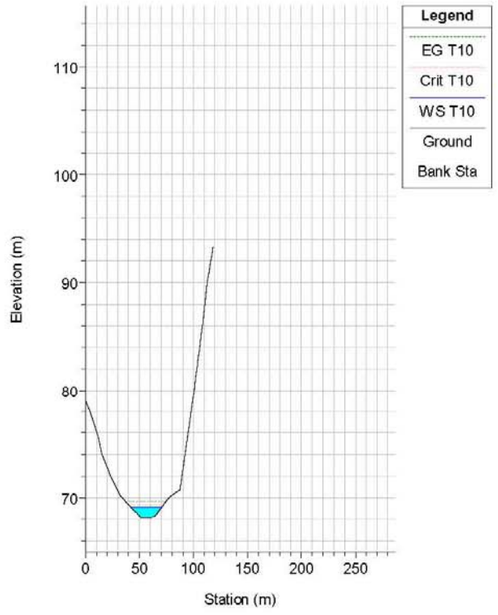
River = JABONERO Reach = J RS = 893.9946



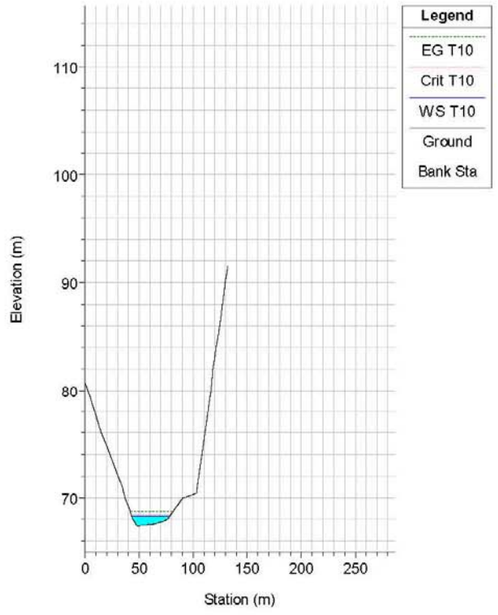
River = JABONERO Reach = J RS = 878.3791



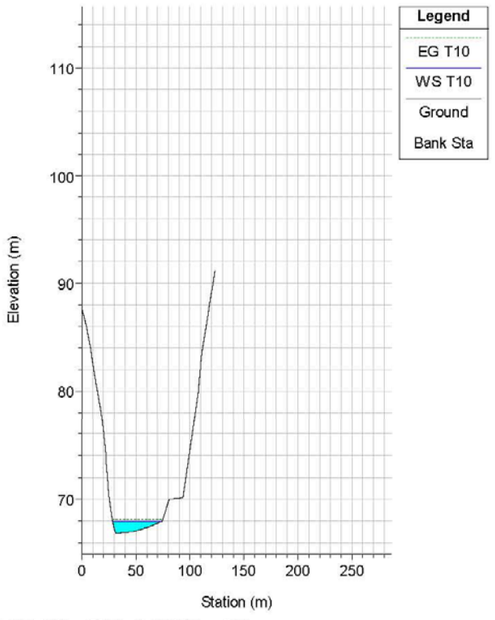
River = JABONERO Reach = J RS = 843.8353



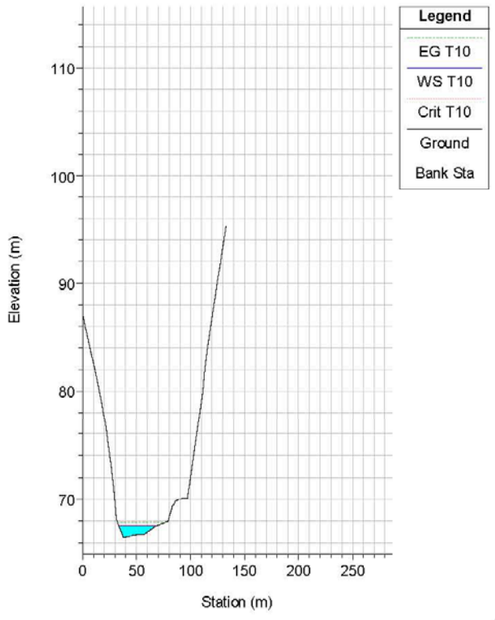
River = JABONERO Reach = J RS = 814.2898



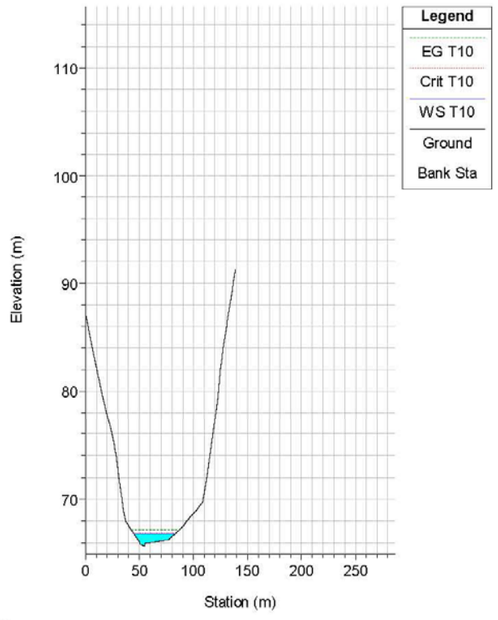
River = JABONERO Reach = J RS = 791.7808



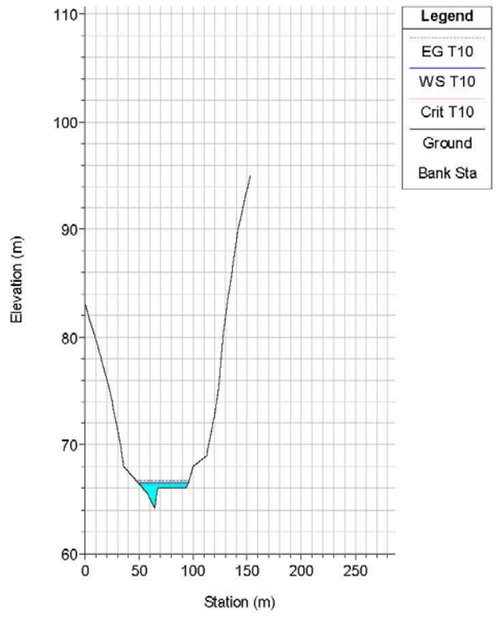
River = JABONERO Reach = J RS = 776.8547



River = JABONERO Reach = J RS = 750.8005

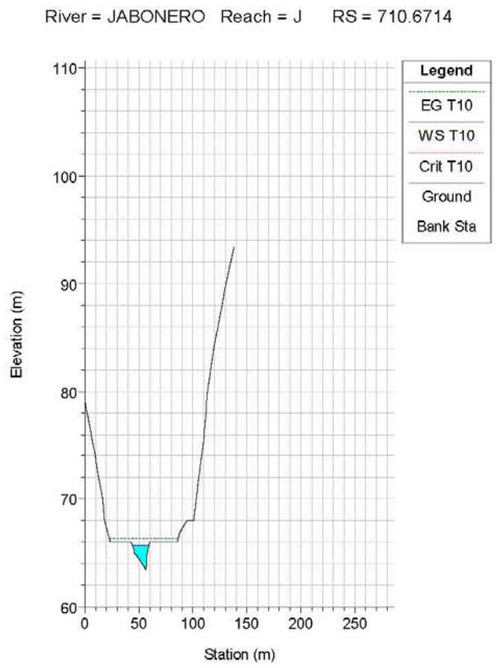


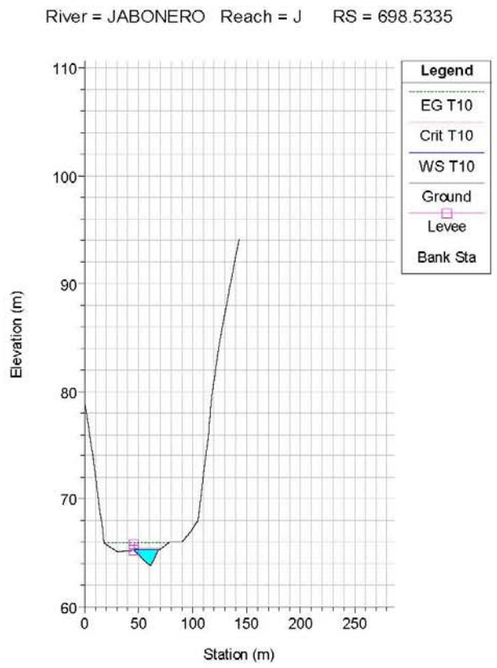
River = JABONERO Reach = J RS = 735.0104

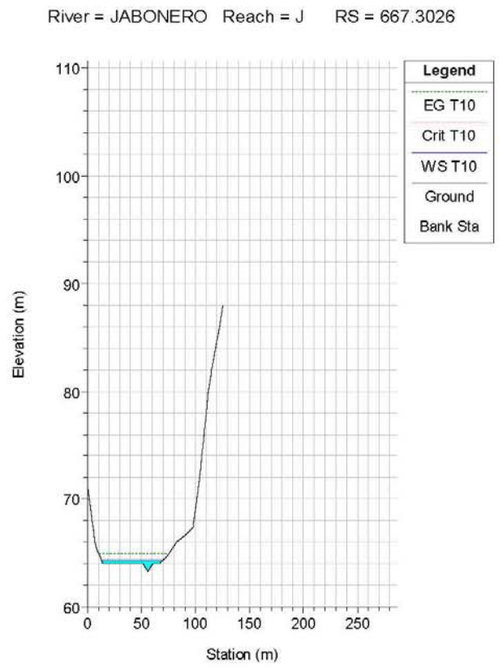


1 cm Horiz. = 50 m 1 cm Vert. = 5 m

15







1 cm Horiz. = 50 m 1 cm Vert. = 5 m

16

3.3.4.- Tablas de resultados

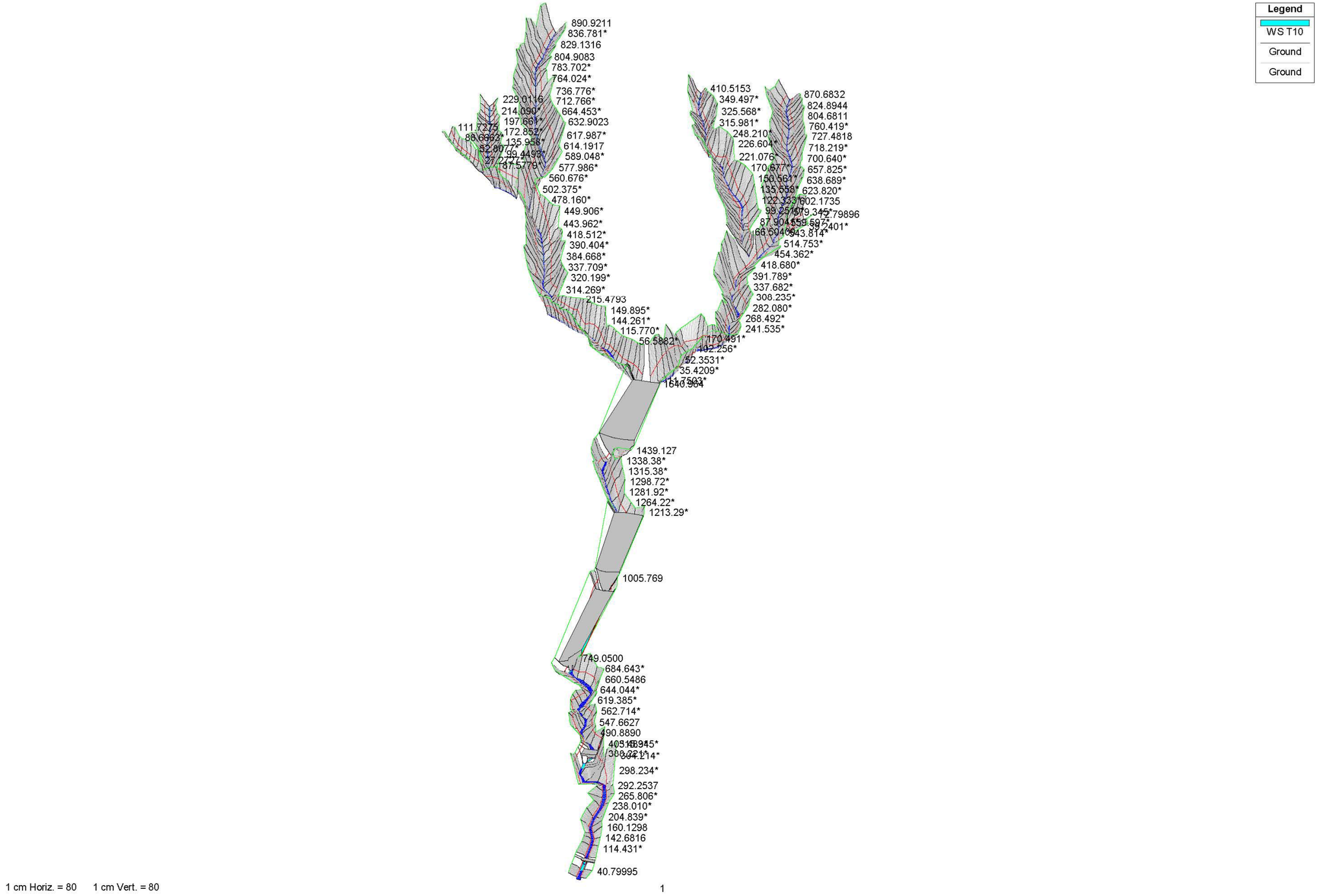
HEC-RAS Plan: Plan 16 River: JABONERO Reach: J Profile: T10

Reach	River Sta	Profile	Q Total (m3/s)	Mann Wtd Total	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	Hydr Radius (m)	Max Chl Dpth (m)	Vel Total (m/s)
J	667,303	T10	64,62	0,045	63,21	64,27	64,47	64,95	0,126706	3,65	17,68	56,11	2,08	0,31	1,06	3,65
J	698,534	T10	64,62	0,045	63,75	65,31	65,47	65,95	0,036726	3,53	18,29	23,91	1,29	0,76	1,56	3,53
J	710,671	T10	64,62	0,045	63,38	65,72	65,72	66,33	0,020735	3,46	18,69	15,39	1	1,12	2,34	3,46
J	735,01	T10	64,62	0,045	64,19	66,53	66,36	66,71	0,01099	1,87	34,48	47,01	0,7	0,72	2,34	1,87
J	750,801	T10	64,62	0,045	65,67	66,8	66,86	67,2	0,029908	2,78	23,28	37,71	1,13	0,61	1,13	2,78
J	776,855	T10	64,62	0,045	66,49	67,58	67,58	67,93	0,022942	2,62	24,67	35,75	1,01	0,69	1,09	2,62
J	791,781	T10	64,62	0,045	66,86	67,96		68,18	0,01428	2,07	31,14	44,88	0,8	0,69	1,1	2,07
J	814,29	T10	64,62	0,045	67,43	68,3	68,38	68,73	0,032635	2,94	22,01	35,08	1,18	0,63	0,87	2,94
J	843,835	T10	64,62	0,045	68,15	69,13	69,27	69,7	0,03841	3,35	19,28	28,45	1,3	0,68	0,98	3,35
J	878,379	T10	64,62	0,045	68,79	70,22	70,18	70,55	0,019402	2,55	25,3	32,68	0,93	0,75	1,43	2,55
J	893,995	T10	64,62	0,045	69,2	70,61	70,61	70,94	0,022711	2,55	25,36	37,19	0,98	0,66	1,41	2,55
J	906,565	T10	64,62	0,045	69,56	70,97	70,68	71,11	0,007344	1,66	38,82	46,39	0,58	0,82	1,41	1,66
J	915,632	T10	64,62	0,045	69,73	71,07	70,73	71,18	0,005919	1,48	43,65	53,15	0,52	0,81	1,34	1,48
J	937,29	T10	64,62	0,045	70,29	71	71,19	71,6	0,055352	3,42	18,88	35,27	1,49	0,53	0,71	3,42
J	954,758	T10	64,62	0,045	70,76	71,47	71,77	72,45	0,078083	4,39	14,72	24,2	1,8	0,59	0,71	4,39
J	978,781	T10	64,62	0,045	71,34	72,54	72,83	73,59	0,046671	4,56	14,18	14,14	1,45	0,93	1,2	4,56
J	998,063	T10	64,62	0,045	71,64	73,95	73,08	74,09	0,003554	1,7	38,07	24,23	0,43	1,45	2,31	1,7
J	1023,56	T10	64,62	0,045	72,57	74,05	73,68	74,28	0,007358	2,12	30,41	24,94	0,61	1,18	1,48	2,12
J	1037,42	T10	64,62	0,045	73,18	74,04	74,23	74,76	0,043486	3,75	17,24	23,22	1,39	0,73	0,86	3,75
J	1069,33	T10	64,62	0,045	74,12	75,39	75,49	76	0,027705	3,47	18,6	20,13	1,15	0,91	1,27	3,47
J	1094,27	T10	64,62	0,045	74,52	76,14	76,14	76,71	0,019935	3,35	19,31	16,89	1	1,1	1,62	3,35
J	1119,25	T10	64,62	0,045	75,13	76,39	76,56	77,11	0,033448	3,75	17,22	19,11	1,26	0,89	1,26	3,75
J	1138,51	T10	64,62	0,045	75,63	76,94	77,14	77,77	0,034847	4,04	16	16,24	1,3	0,96	1,31	4,04
J	1157,71	T10	64,62	0,045	76	77,58	77,71	78,34	0,027361	3,84	16,81	15,19	1,17	1,07	1,58	3,84
J	1199,16	T10	64,62	0,045	76,93	78,63	78,78	79,48	0,028307	4,1	15,77	12,96	1,19	1,15	1,7	4,1
J	1236,6	T10	64,62	0,045	77,96	79,84	79,93	80,54	0,024218	3,71	17,42	15	1,1	1,11	1,88	3,71
J	1261,29	T10	64,62	0,045	78,73	80,71	80,59	81,04	0,015613	2,56	25,28	27,98	0,86	0,88	1,98	2,56
J	1292,88	T10	64,62	0,045	79,47	81,2		81,45	0,011321	2,21	29,24	31,83	0,74	0,9	1,73	2,21
J	1337,58	T10	64,62	0,045	80,54	81,64	81,81	82,31	0,038172	3,63	17,79	23,01	1,32	0,77	1,1	3,63
J	1380,84	T10	64,62	0,045	81,7	83,05	83,17	83,74	0,028337	3,68	17,57	17,62	1,18	0,97	1,35	3,68
J	1443,78	T10	64,62	0,045	83,23	84,55	84,79	85,42	0,037593	4,12	15,68	16,33	1,34	0,94	1,32	4,12
J	1496,08	T10	64,62	0,045	84,62	86,49	86,49	86,96	0,021326	3,06	21,11	22,14	1	0,92	1,87	3,06
J	1525,95	T10	64,62	0,045	85,4	87,19	87,1	87,48	0,016902	2,38	27,14	36,06	0,88	0,75	1,79	2,38
J	1536,39	T10	64,62	0,045	85,69	87,35	87,25	87,66	0,016025	2,47	26,16	31,54	0,87	0,82	1,66	2,47
J	1588,07	T10	64,62	0,045	86,86	88,39	88,54	88,93	0,041459	3,24	19,96	32,49	1,32	0,61	1,53	3,24
J	1627,2	T10	64,62	0,045	88	89,57	89,68	90,12	0,028078	3,27	19,76	23,65	1,14	0,82	1,57	3,27
J	1653,44	T10	64,62	0,045	88,93	90,53	90,33	90,65	0,008373	1,57	41,07	59,72	0,61	0,68	1,6	1,57
J	1668,48	T10	64,62	0,045	89,39	90,67	90,49	90,81	0,008927	1,62	39,77	57,9	0,63	0,68	1,28	1,62
J	1687,3	T10	64,62	0,045	89,84	90,67	90,85	91,29	0,076177	3,49	18,53	42,94	1,7	0,43	0,83	3,49
J	1706,28	T10	64,62	0,045	90,25	91,5	91,65	92,14	0,040421	3,55	18,19	25,42	1,34	0,71	1,25	3,55
J	1726,6	T10	64,62	0,045	90,64	92,31		92,43	0,01188	1,54	42,07	82,49	0,69	0,51	1,67	1,54
J	1758,62	T10	64,62	0,045	91,25	92,73	92,6	93	0,014235	2,3	28,07	34,33	0,81	0,81	1,48	2,3
J	1782,19	T10	64,62	0,045	91,73	93,03	93,1	93,6	0,025811	3,37	19,18	20,37	1,11	0,92	1,3	3,37
J	1848,96	T10	64,62	0,045	93,13	94,21	94,43	95,02	0,042104	3,99	16,2	19,46	1,4	0,82	1,08	3,99
J	1888,07	T10	64,62	0,045	93,99	95,24	95,39	96,02	0,029811	3,93	16,46	15,13	1,2	1,04	1,25	3,93
J	1935,95	T10	64,62	0,045	95,08	96,32	96,57	97,24	0,040993	4,24	15,25	16,25	1,4	0,91	1,24	4,24
J	1978,13	T10	64,62	0,045	96,32	97,97	97,97	98,59	0,020947	3,5	18,44	14,89	1,01	1,14	1,65	3,5
J	2028,28	T10	64,62	0,045	97,53	98,68	98,91	99,49	0,042305	4,01	16,13	19,3	1,4	0,82	1,15	4,01
J	2063,25	T10	64,62	0,045	98,55	99,95	100,15	100,66	0,0457	3,72	17,36	24,87	1,42	0,69	1,4	3,72
J	2080,94	T10	64,62	0,045	99,04	100,56	100,74	101,32	0,03475	3,87	16,71	18,06	1,28	0,9	1,52	3,87
J	2114,12	T10	64,62	0,045	99,68	101,56		101,92	0,009153	2,68	24,14	15,79	0,69	1,41	1,88	2,68
J	2146,61	T10	64,62	0,045	100,36	102,01	102,14	102,77	0,026941	3,88	16,67	14,65	1,16	1,1	1,65	3,88
J	2169,25	T10	64,62	0,045	100,85	102,73	102,73	103,36	0,02016	3,53	18,29	14,59	1,01	1,19	1,88	3,53
J	2196,46	T10	64,62	0,045	101,41	103,37		103,73	0,009575	2,66	24,28	17,17	0,71	1,35	1,96	2,66
J	2225,29	T10	64,62	0,045	102,45	103,62	103,79	104,37	0,034644	3,82	16,94	18,27	1,26	0,89	1,17	3,82
J	2251,88	T10	64,62	0,045	103,53	104,56	104,76	105,26	0,047221	3,71	17,43	25,76	1,44	0,67	1,03	3,71
J	2276,96	T10	64,62	0,045	104,46	105,71	105,89	106,42	0,039087	3,71	17,4	22,09	1,34	0,78	1,25	3,71
J	2292,02	T10	64,62	0,045	104,81	106,38	106,51	106,98	0,034452	3,43	18,82	24,02	1,24	0,76	1,57	3,43
J	2335,76	T10	64,62	0,045	106,17	107,45	107,6	108,17	0,031296	3,76	17,18	17,97	1,23	0,94	1,28	3,76
J	2371,95	T10	64,62	0,045	107,35	108,42	108,71	109,35	0,06466	4,28	15,09	22,65	1,67	0,66	1,07	4,28
J	2410,29	T10	64,62	0,045	108,46	110,12		110,34	0,006362	2,08	31,02	23,78	0,58	1,27	1,66	2,08
J	2433,45	T10	64,62	0,045	108,76	110,27		110,59	0,012148	2,53	25,59	24,02	0,78	1,05	1,51	2,53
J	2464,01	T10	64,62	0,045	109,3	110,49	110,61	111,13	0,030913	3,52	18,35	20,97	1,2	0,86	1,19	3,52
J	2486,99	T10	64,62	0,045	109,86	110,71	111,11	112,05	0,079667	5,13	12,59	16,37	1,87	0,74	0,85	5,13
J	2512,37	T10	64,62	0,045	110,68	112,72	112,15	112,98	0,005935	2,26	28,56	17,73	0,57	1,52	2,04	2,26
J	2540,68	T10	64,62	0,045	111,73	113,34	113,41	114,02	0,023666	3,66	17,63	15,15	1,08	1,11	1,61	3,66
J	2588,04	T10	64,62	0,045	112,8	114,46	114,56	115,15	0,025163	3,68	17,56	15,62	1,11	1,07	1,66	3,68
J	2608,28	T10	64,62	0,045	113,3	115,1	115,04	115,59	0,017655	3,1	20,84	18,46	0,93	1,08	1,8	3,1

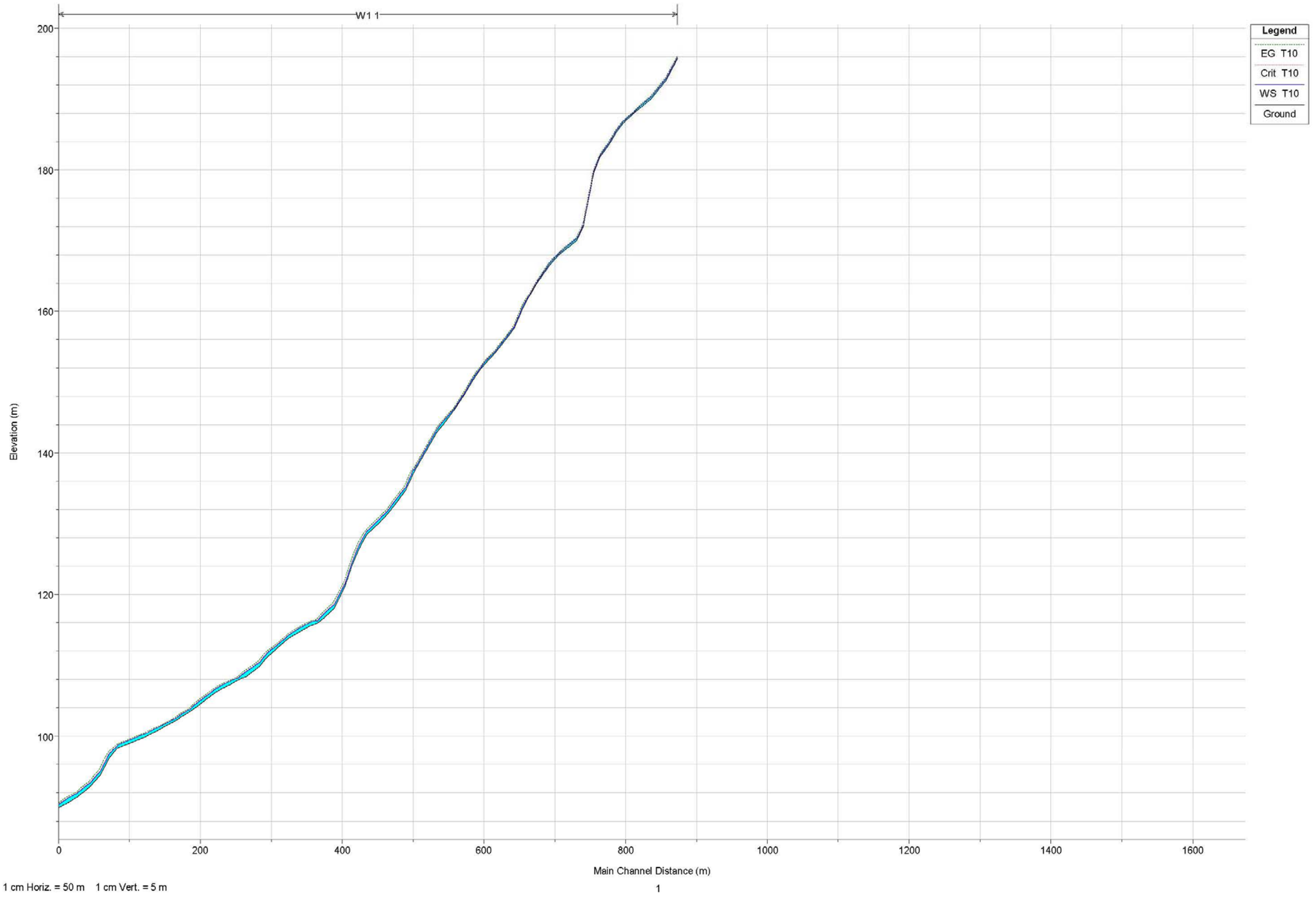
Reach	River Sta	Profile	Q Total (m3/s)	Mann Wtd Total	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl	Hydr Radius (m)	Max Chl Dpth (m)	Vel Total (m/s)
J	2636,26	T10	64,62	0,045	114,03	115,71	115,61	116,11	0,015986	2,81	23,04	22,55	0,89	1	1,68	2,81
J	2674,88	T10	64,62	0,045	115,22	116,42	116,51	116,97	0,029833	3,29	19,62	24,43	1,17	0,79	1,2	3,29
J	2687,69	T10	64,62	0,045	115,75	116,77	116,91	117,37	0,034582	3,45	18,73	24,39	1,26	0,76	1,02	3,45
J	2726,34	T10	64,62	0,045	116,72	118,06	118,17	118,7	0,028129	3,54	18,25	19,34	1,16	0,93	1,34	3,54
J	2760,6	T10	64,62	0,045	117,5	119,03	119,02	119,52	0,020441	3,11	20,79	21,04	1	0,97	1,53	3,11
J	2791,79	T10	64,62	0,045	118,05	119,69	119,54	120,01	0,013885	2,52	25,68	26,98	0,82	0,94	1,64	2,52
J	2839,5	T10	64,62	0,045	119,94	120,96	121,09	121,53	0,034862	3,33	19,38	26,65	1,25	0,72	1,02	3,33
J	2883,87	T10	64,62	0,045	121,22	122,46	122,48	122,91	0,023631	2,99	21,59	26,07	1,05	0,82	1,24	2,99
J	2936,95	T10	64,62	0,045	122,42	123,67	123,74	124,19	0,025779	3,18	20,32	23,92	1,1	0,84	1,25	3,18
J	2990,57	T10	64,62	0,045	123,27	124,77	124,79	125,32	0,021874	3,3	19,6	18,96	1,04	1,01	1,5	3,3
J	3038,14	T10	64,62	0,045	124,04	125,76		126,07	0,010432	2,45	26,41	22,89	0,73	1,12	1,72	2,45
J	3087,14	T10	64,62	0,045	125,03	126,6	126,78	127,4	0,031591	3,97	16,28	15,59	1,24	1,01	1,57	3,97
J	3132,85	T10	64,62	0,045	126,27	127,71	127,99	128,73	0,039654	4,48	14,43	13,5	1,38	1,02	1,44	4,48
J	3172,07	T10	64,62	0,045	128,11	129,6	129,64	130,18	0,023412	3,4	19,01	18,47	1,07	1	1,49	3,4
J	3205,82	T10	64,62	0,045	128,57	130,54	130,31	130,7	0,008671	1,79	36,43	45,49	0,63	0,78	1,97	1,77
J	3220,65	T10	64,62	0,045	128,78	130,71	130,71	131,1	0,023023	2,76	23,4	30,94	1,01	0,74	1,93	2,76
J	3240,29	T10	64,62	0,045	129,02	131,12	130,8	131,36	0,009173	2,16	29,98	28,8	0,67	1,02	2,1	2,16
J	3264,1	T10	64,62	0,045	129,47	131,64		131,99	0,014843	2,63	24,59	24,15	0,83	0,96	2,17	2,63
J	3287,13	T10	64,62	0,045	130,1	131,91	131,79	132,36	0,015162	3	21,54	18,12	0,88	1,15	1,81	3
J	3306,3	T10	64,62	0,045	130,33	131,99	132,14	132,78	0,031301	3,92	16,48	15,42	1,21	1	1,66	3,92
J	3326,46	T10	64,62	0,045	130,81	132,76	132,86	133,4	0,026956	3,53	18,33	18,2	1,12	0,95	1,95	3,53
J	3341,22	T10	64,62	0,045	131,07	133,06	133,17	133,71	0,028466	3,59	17,98	18,01	1,15	0,94	1,99	3,59
J	3357,72	T10	64,62	0,045	131,53	133,52	133,66	134,25	0,028418	3,77	17,13	15,88	1,16	1,01	1,99	3,77
J	3402,72	T10	64,62	0,045	132,48	134,45	134,44	135,14	0,020399	3,68	17,54	12,76	1	1,25	1,97	3,68
J	3421,5	T10	64,62	0,045	132,92	134,99		135,39	0,011015	2,79	23,2	16,64	0,75	1,31	2,07	2,79
J	3450,51	T10	64,62	0,045	133,49	135,41	134,9	135,64	0,006107	2,12	30,41	21,77	0,57	1,35	1,92	2,12
J	3498,91	T10	64,62	0,045	135,78	136,91	137,27	138,11	0,05319	4,86	13,29	13,76	1,58	0,92	1,13	4,86
J	3539,95	T10	64,62	0,045	136,75	138,87		139,36	0,01208	3,1	20,84	13,36	0,79	1,43	2,12	3,1
J	3597,67	T10	64,62	0,045	137,92	139,91		140,25	0,007872	2,6	24,85	15,06	0,65	1,51	1,99	2,6
J	3636,98	T10	64,62	0,045	139,14	140,67	140,75	141,36	0,024637	3,68	17,57	15,46	1,1	1,08	1,53	3,68
J	3657,46	T10	64,62	0,045	139,8	140,9	141,22	141,99	0,050128	4,63	13,97	14,79	1,52	0,9	1,1	4,63
J	3686	T10	64,62	0,045	140,15	141,88	142,14	142,88	0,037003	4,43	14,59	13,03	1,34	1,06	1,73	4,43
J	3717,14	T10	64,62	0,045	141,29	143,15	143,36	144,09	0,03305	4,31	14,98	12,25	1,25	1,1	1,86	4,31
J	3738,88	T10	64,62	0,045	142,15	143,74	144,04	144,84	0,039951	4,63	13,96	12,14	1,38	1,06	1,6	4,63
J	3758,35	T10	64,62	0,045	142,97	144,64	144,87	145,53	0,035796	4,19	15,41	14,78	1,31	1	1,67	4,19
J	3775,54	T10	64,62	0,045	143,68	145,41	145,48	146,07	0,024992	3,59	18,01	16,39	1,09	1,03	1,73	3,59
J	3797,53	T10	64,62	0,045	144,27	146,12		146,49	0,010951	2,71	23,84	18,2	0,76	1,26	1,85	2,71
J	3823	T10	64,62	0,045	144,81	146,42	146,42	147,08	0,020229	3,59	17,98	13,8	1	1,21	1,61	3,59
J	3835,6	T10	64,62	0,045	145,07	146,86		147,31	0,012133	2,98	21,66	14,78	0,79	1,35	1,79	2,98
J	3849,74	T10	64,62	0,045	145,26	147,07		147,49	0,01124	2,86	22,61	15,75	0,76	1,34	1,81	2,86
J	3878,17	T10	64,62	0,045	145,64	147,53		147,69	0,003631	1,79	36,08	21,97	0,45	1,55	1,89	1,79
J	3885,98	T10	64,62	0,045	145,73	147,54		147,72	0,004139	1,88	34,42	21,41	0,47	1,5	1,81	1,88
J	3910,37	T10	64,62	0,045	146,06	147,04	147,4	148,22	0,065171	4,81	13,44	16,84	1,72	0,78	0,98	4,81
J	3934,52	T10	64,62	0,045	146,85	148,61	148,61	149,24	0,020216	3,51	18,39	14,85	1,01	1,17	1,76	3,51
J	3942,29	T10	64,62	0,045	146,98	148,92		149,37	0,012223	2,98	21,71	15,02	0,79	1,33	1,94	2,98
J	3963,99	T10	64,62	0,045	147,37	148,74	149,09	149,87	0,051755	4,71	13,71	14,61	1,55	0,9	1,37	4,71
J	3986,98	T10	64,62	0,045	148	150,01	149,76	150,51	0,012587	3,16	20,48	13,09	0,81	1,42	2,01	3,16
J	4021,24	T10	64,62	0,045	148,51	150,85		151,16	0,006473	2,48	26,11	14,59	0,59	1,63	2,34	2,48
J	4036,21	T10	64,62	0,045	148,66	150,89		151,32	0,010404	2,9	22,3	14,34	0,74	1,45	2,23	2,9
J	4086,86	T10	64,62	0,045	149,53	150,89	151,24	152,08	0,050117	4,83	13,39	13,12	1,52	0,96	1,36	4,83
J	4112,81	T10	64,62	0,045	150,27	152,43		152,82	0,00983	2,74	23,58	15,87	0,72	1,39	2,16	2,74
J	4135,15	T10	64,62	0,045	150,93	152,62	152,71	153,36	0,024113	3,79	17,06	14,05	1,1	1,15	1,69	3,79
J	4152,92	T10	64,62	0,045	151,54	152,96	153,15	153,81	0,032607	4,1	15,77	14,6	1,26	1,03	1,42	4,1
J	4187,09	T10	64,62	0,045	152,54	154,11	154,22	154,86	0,02587	3,82	16,94	14,76	1,14	1,1	1,57	3,82
J	4236,51	T10	64,62	0,045	153,82	155,07	155,25	155,87	0,028051	4	16,82	16,76	1,19	0,97	1,25	3,84

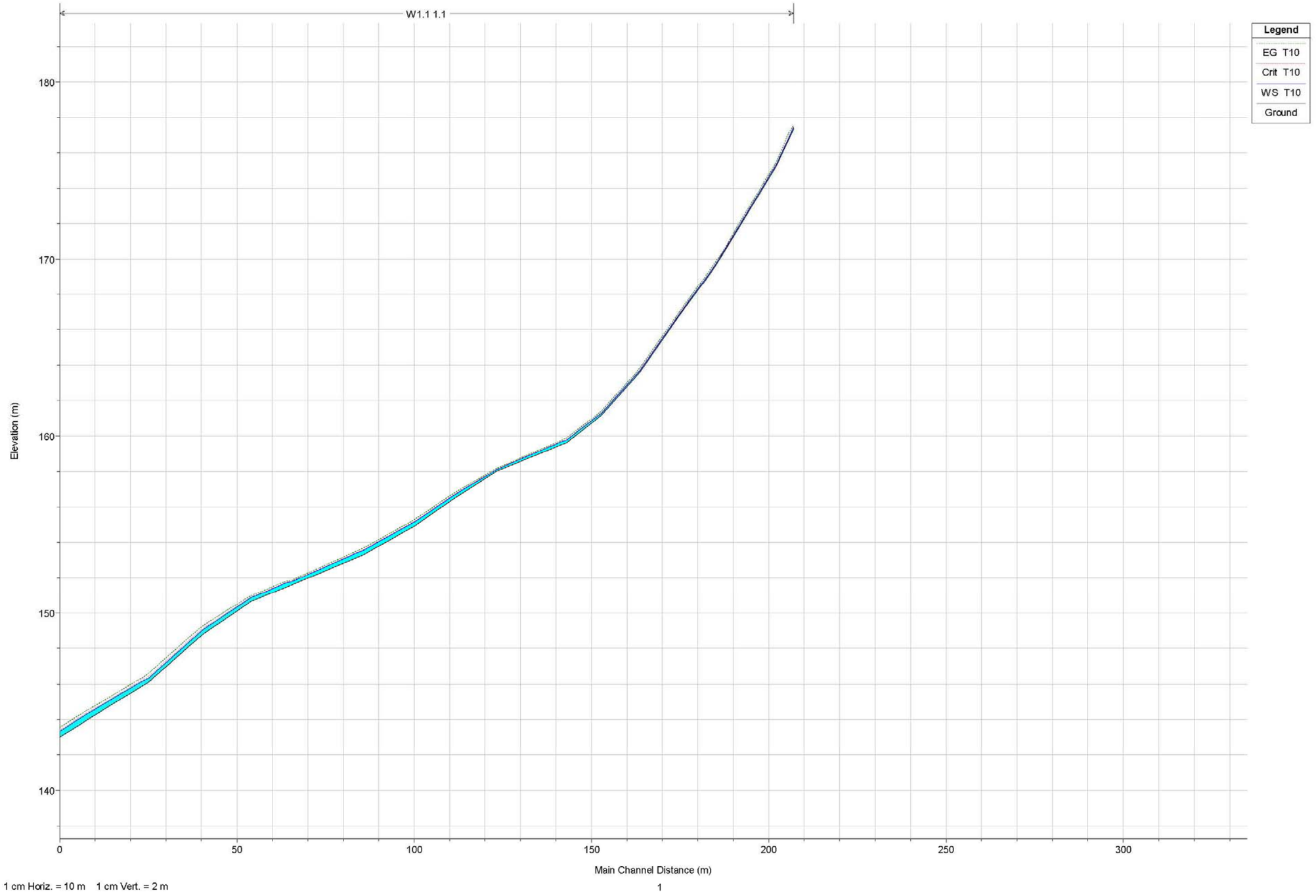
3.4.- Cuenca 4. Arroyo Wittenberg. T=10 años
3.4.1.- Vista 3D arroyo
3.4.2.- Perfil longitudinal
3.4.3.- Perfiles transversales
3.4.4.- Tablas de resultados

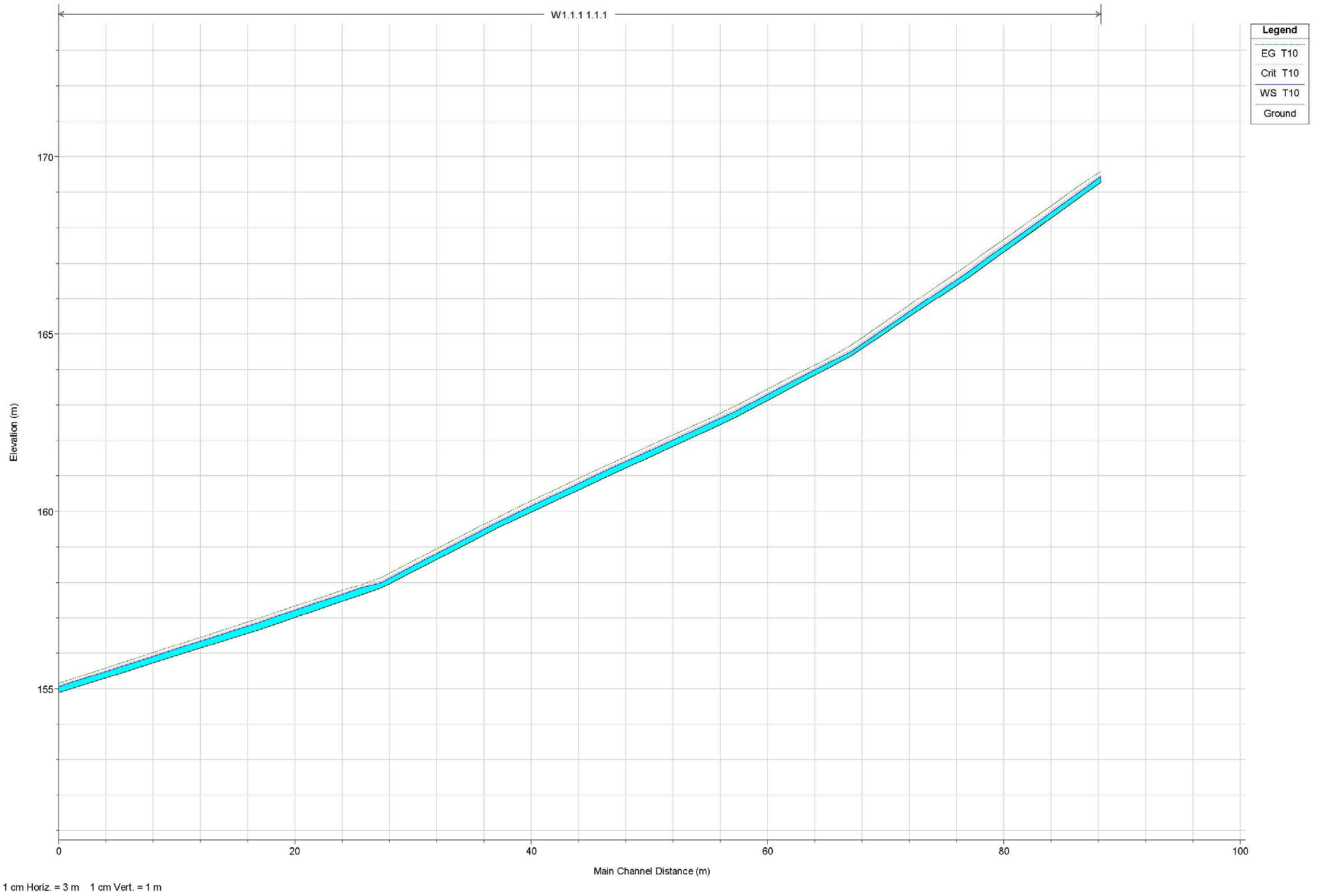
3.4.1.- Vista 3D arroyo

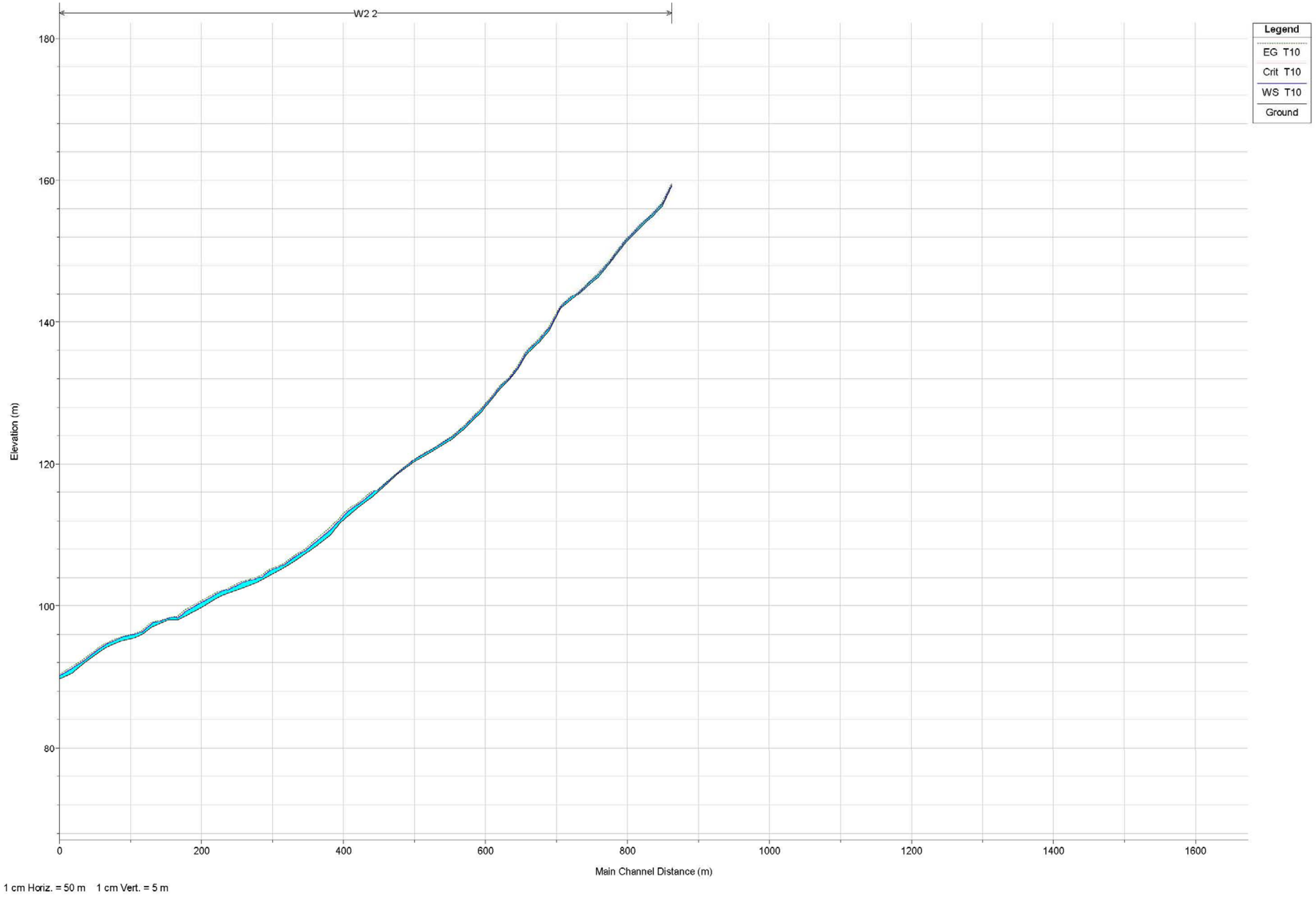

Legend
WS T10
Ground
Ground
890.9211
836.781*
829.1316
804.9083
783.702*
764.024*
736.776*
712.766*
664.453*
632.9023
617.987*
614.1917
589.048*
577.986*
560.676*
502.375*
478.160*
449.906*
443.962*
418.512*
390.404*
384.668*
337.709*
320.199*
314.269*
215.4793
149.895*
144.261*
115.770*
56.5882*
1640.964
410.5153
349.497*
325.568*
315.981*
248.210*
226.604*
221.076*
170.677*
150.561*
135.559*
122.333*
99.251*
87.904*
66.5046*
870.6832
824.8944
804.6811
760.419*
727.4818
718.219*
700.640*
657.825*
638.689*
623.820*
602.1735
579.345*
543.814*
514.753*
454.362*
418.680*
391.789*
337.682*
308.235*
282.080*
268.492*
241.535*
170.491*
102.256*
52.3531*
35.4209*
1439.127
1338.38*
1315.38*
1298.72*
1281.92*
1264.22*
1213.29*
1005.769
749.0500
684.643*
660.5486
644.044*
619.385*
562.714*
547.6627
490.8890
298.234*
292.2537
265.806*
238.010*
204.839*
160.1298
142.6816
114.431*
40.79995
1 cm Horiz. = 80
1 cm Vert. = 80
1

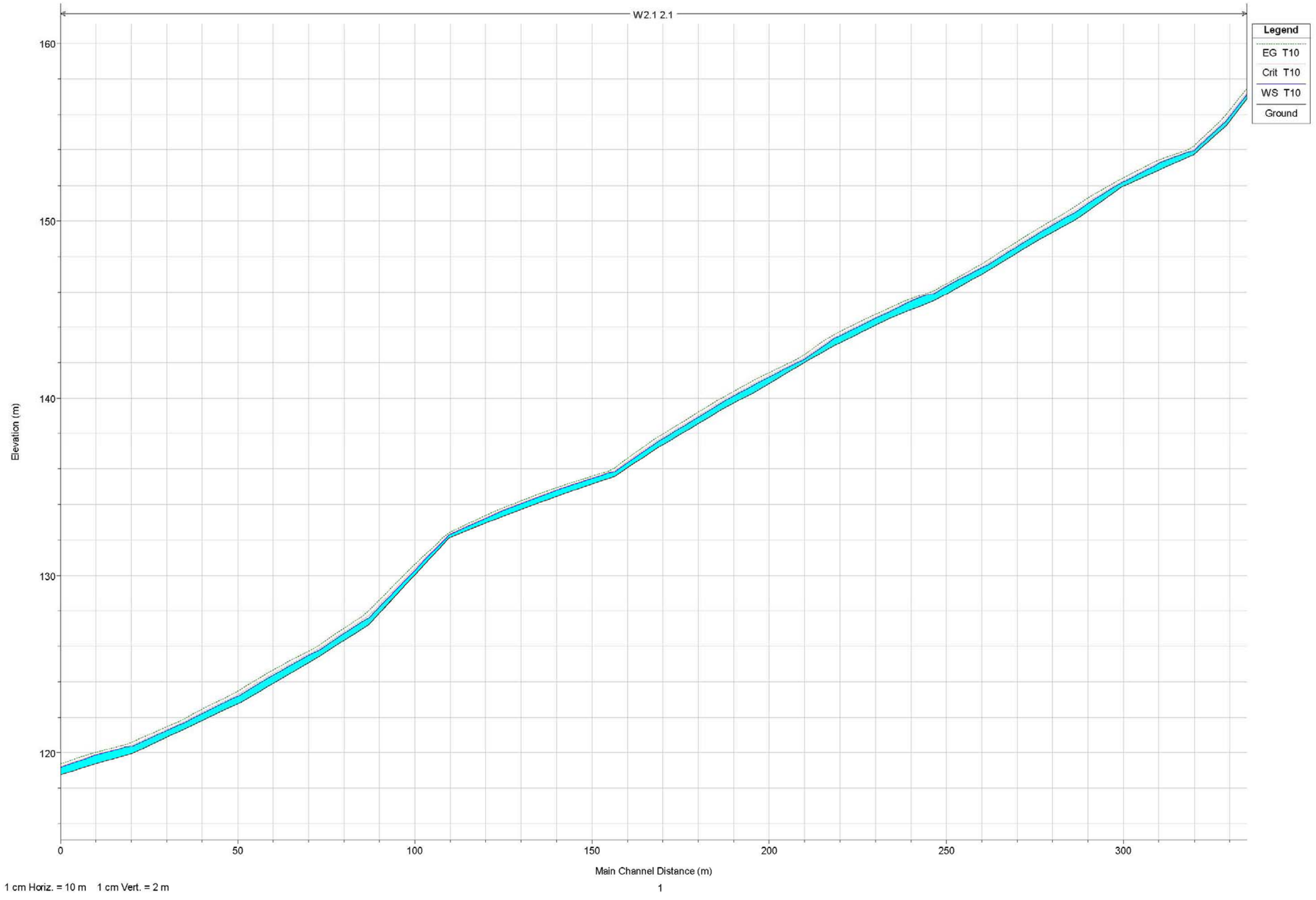
3.4.2.- Perfil longitudinal

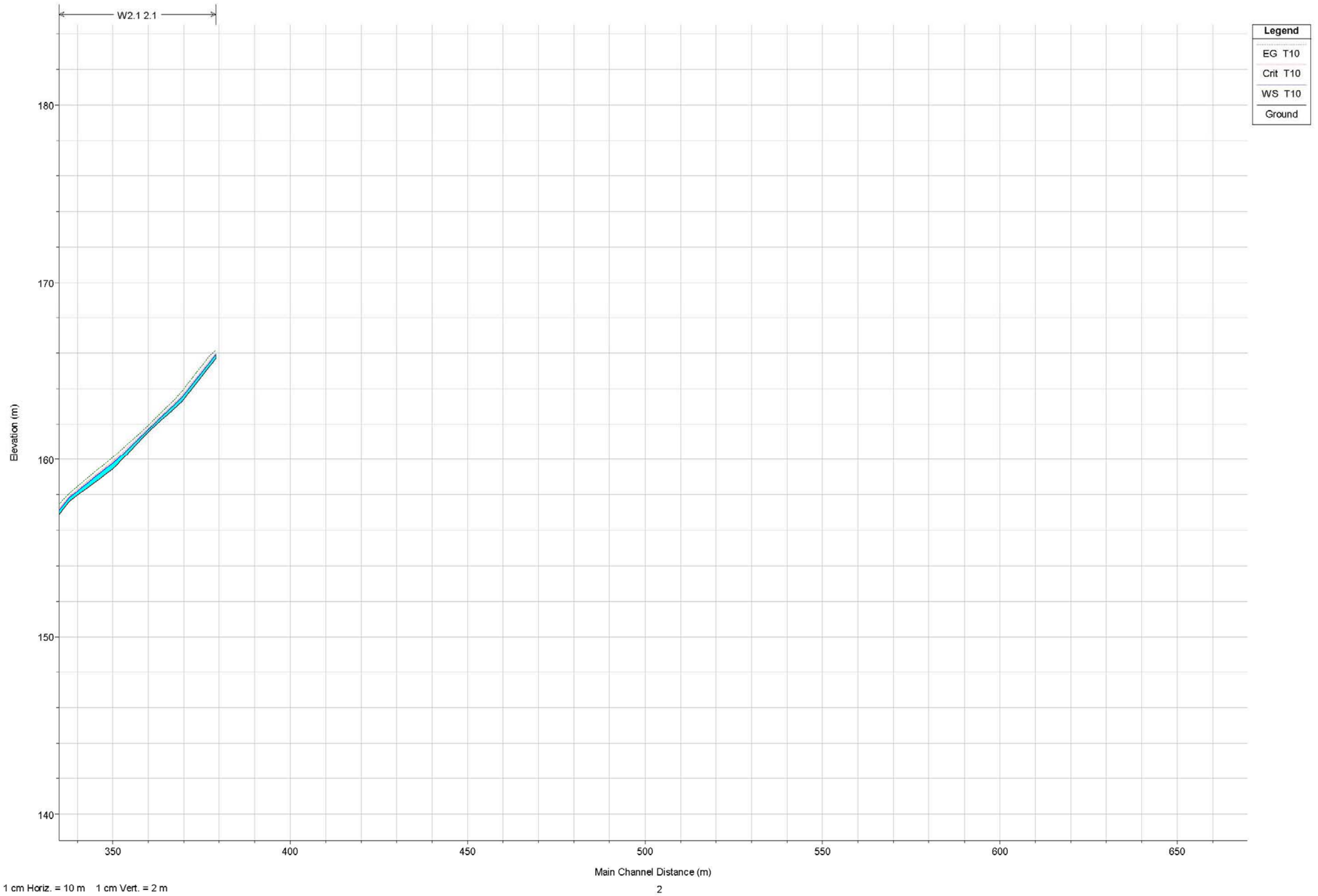

W1 1
Legend
EG T10
Crit T10
WS T10
Ground
Elevation (m)
200
180
160
140
120
100
0
200
400
600
800
1000
1200
1400
1600
Main Channel Distance (m)
1
1 cm Horiz. = 50 m 1 cm Vert. = 5 m

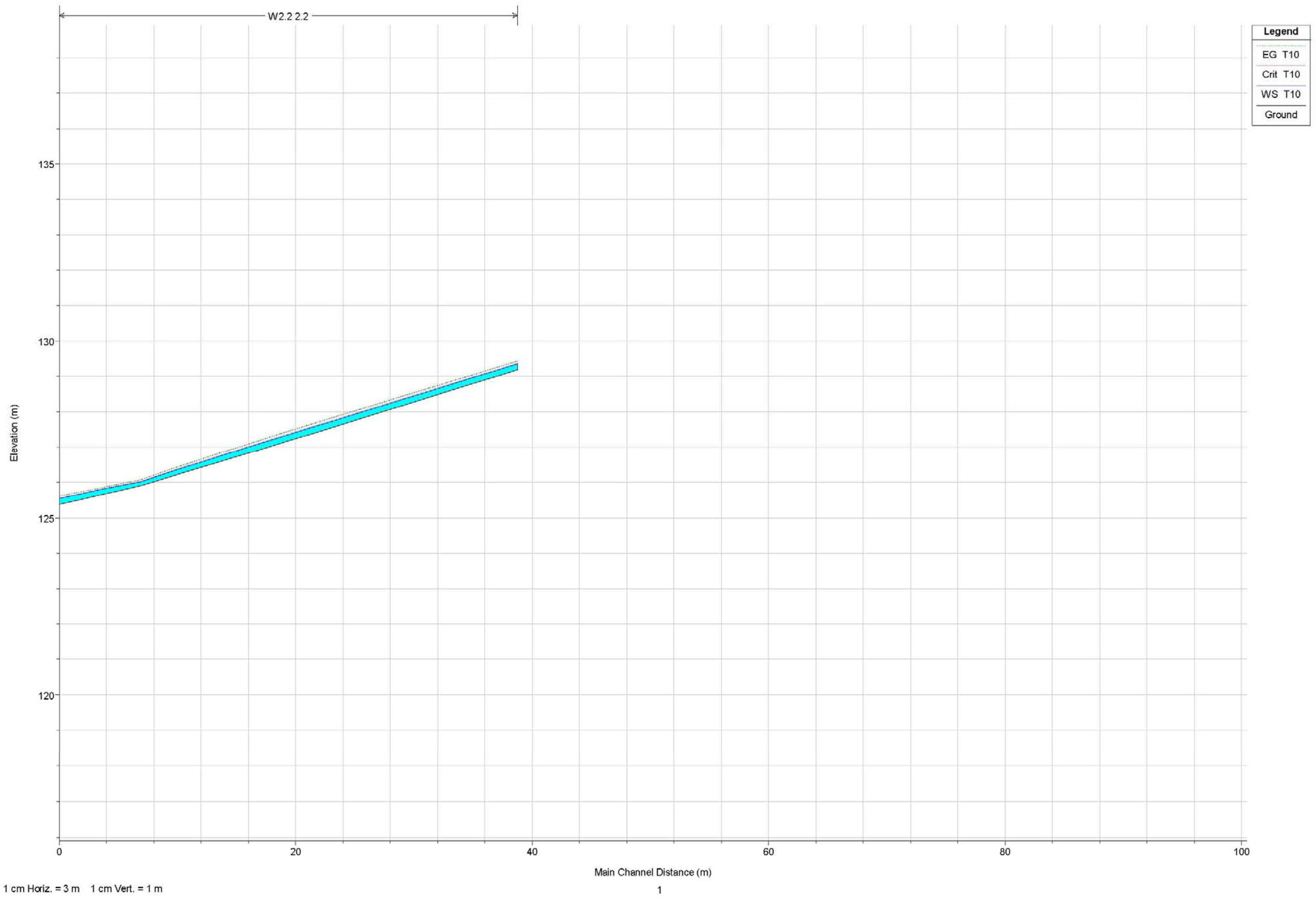

W1.1 1.1
Legend
EG T10
Crit T10
WS T10
Ground
Elevation (m)
180
170
160
150
140
0
50
100
150
200
250
300
Main Channel Distance (m)
1 cm Horiz. = 10 m 1 cm Vert. = 2 m
1

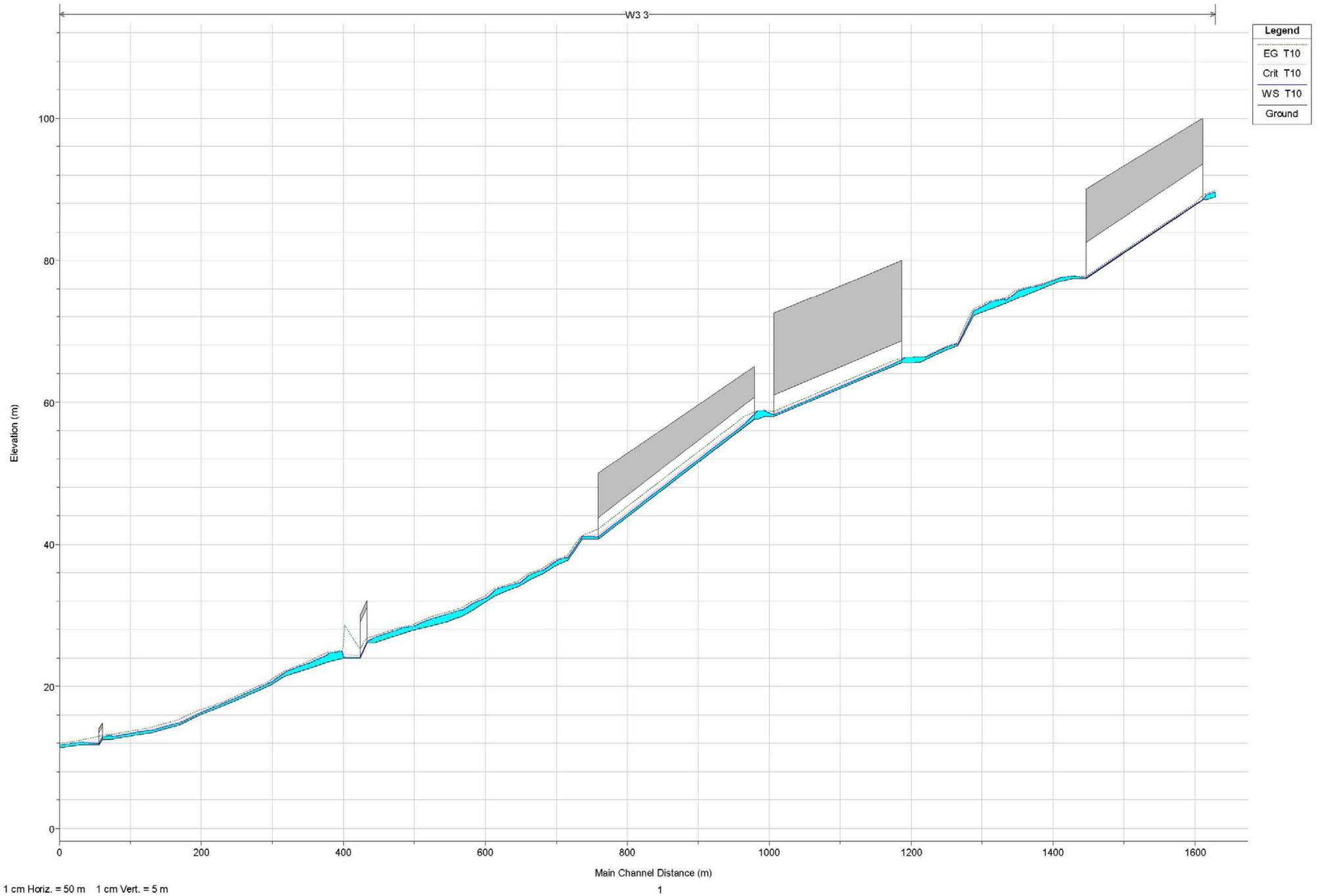

W1.1.1 1.1.1
Legend
EG T10
Crit T10
WS T10
Ground
Elevation (m)
170
165
160
155
0
20
40
60
80
100
Main Channel Distance (m)
1 cm Horiz. = 3 m 1 cm Vert. = 1 m


W2 2
Legend
EG T10
Crit T10
WS T10
Ground
Elevation (m)
180
160
140
120
100
80
0
200
400
600
800
1000
1200
1400
1600
Main Channel Distance (m)
1 cm Horiz. = 50 m 1 cm Vert. = 5 m


W2.1 2.1
Legend
EG T10
Crit T10
WS T10
Ground
160
150
140
130
120
Elevation (m)
0
50
100
150
200
250
300
Main Channel Distance (m)
1 cm Horiz. = 10 m 1 cm Vert. = 2 m
1

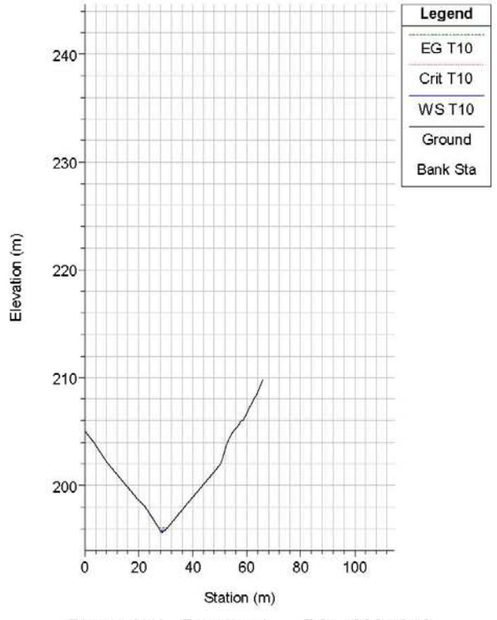

W2.1 2.1
Legend
EG T10
Crit T10
WS T10
Ground
Elevation (m)
180
170
160
150
140
350
400
450
500
550
600
650
Main Channel Distance (m)
1 cm Horiz. = 10 m 1 cm Vert. = 2 m


W2.2 2.2
Legend
EG T10
Crit T10
WS T10
Ground
135
130
125
120
Elevation (m)
0
20
40
60
80
100
Main Channel Distance (m)
1 cm Horiz. = 3 m
1 cm Vert. = 1 m
1

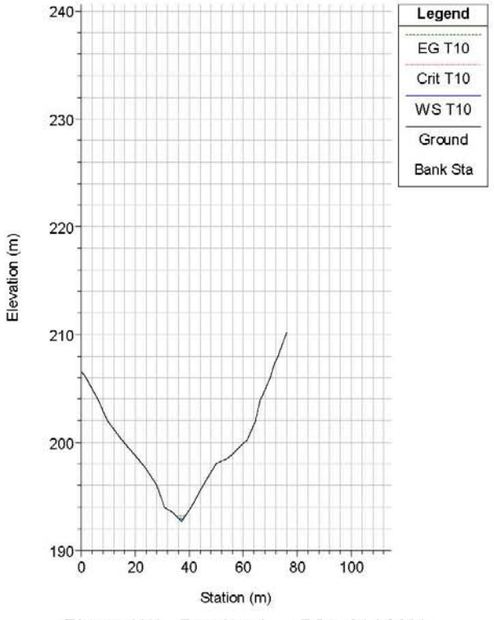

W3 3
Legend
EG T10
Crit T10
WS T10
Ground
Elevation (m)
100
80
60
40
20
0
0
200
400
600
800
1000
1200
1400
1600
Main Channel Distance (m)
1 cm Horiz. = 50 m 1 cm Vert. = 5 m
1

3.4.3.- Perfiles transversales

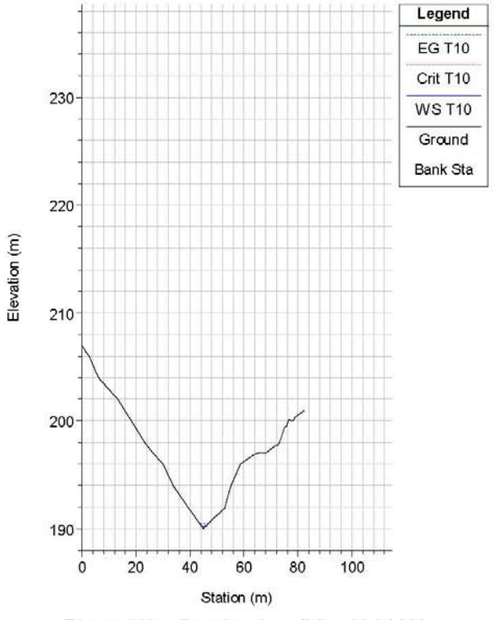
River = W1 Reach = 1 RS = 890.9211



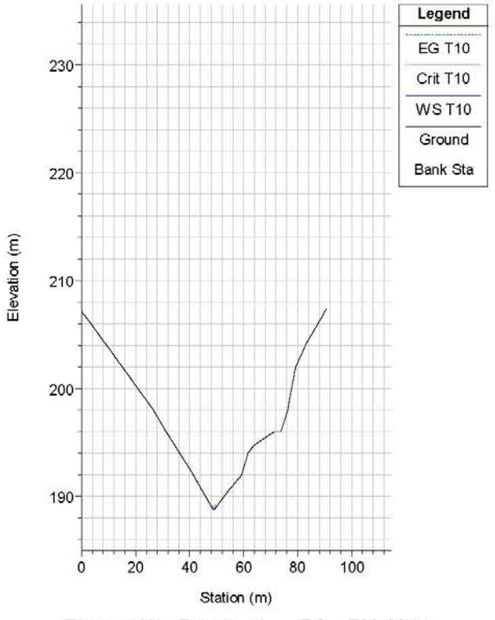
River = W1 Reach = 1 RS = 875.3025



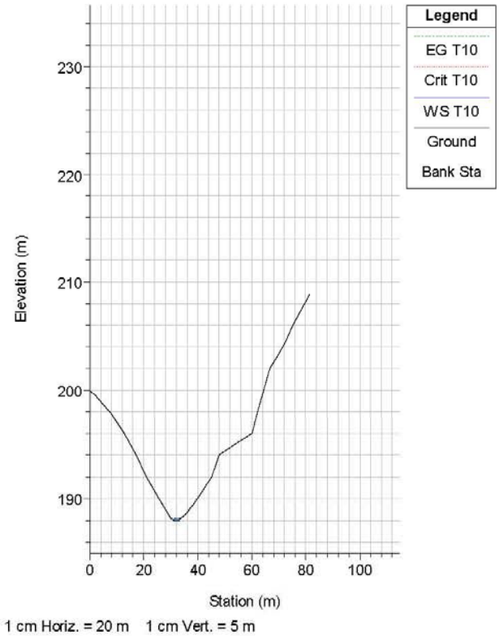
River = W1 Reach = 1 RS = 853.4826



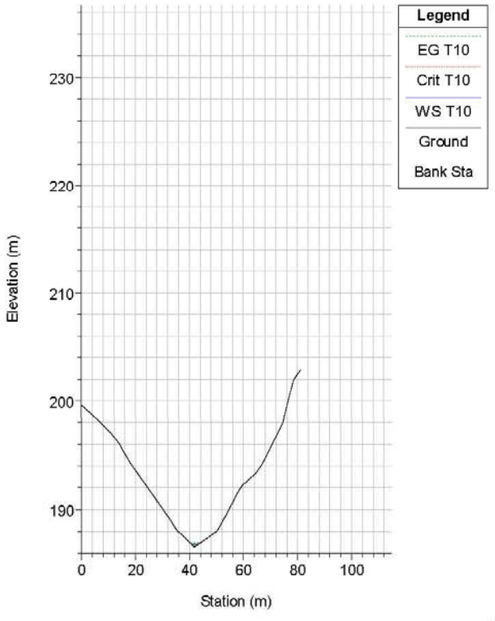
River = W1 Reach = 1 RS = 838.6945



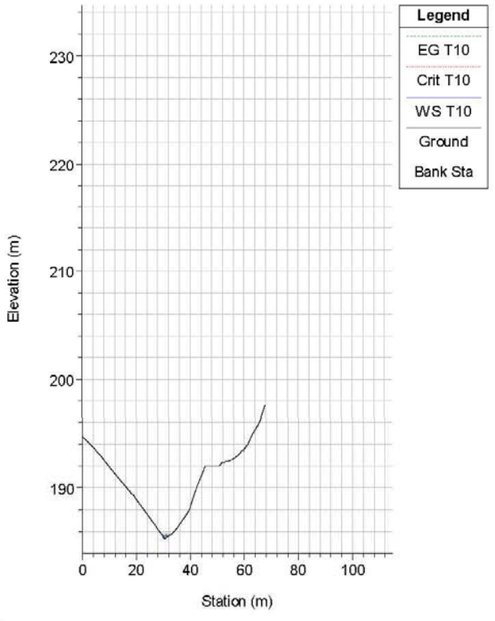
River = W1 Reach = 1 RS = 829.1316



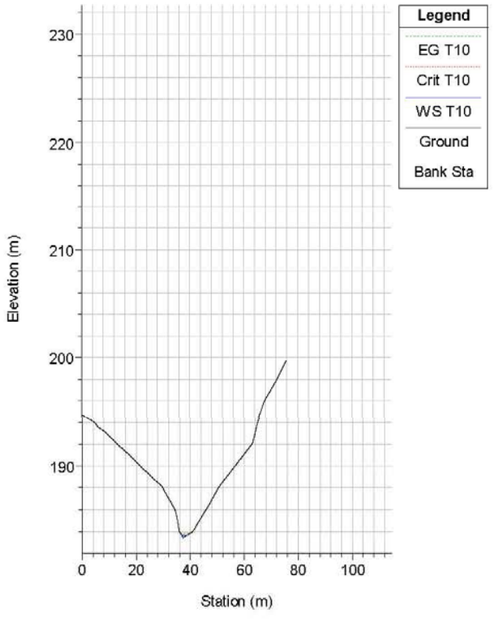
River = W1 Reach = 1 RS = 814.0831



River = W1 Reach = 1 RS = 804.9083

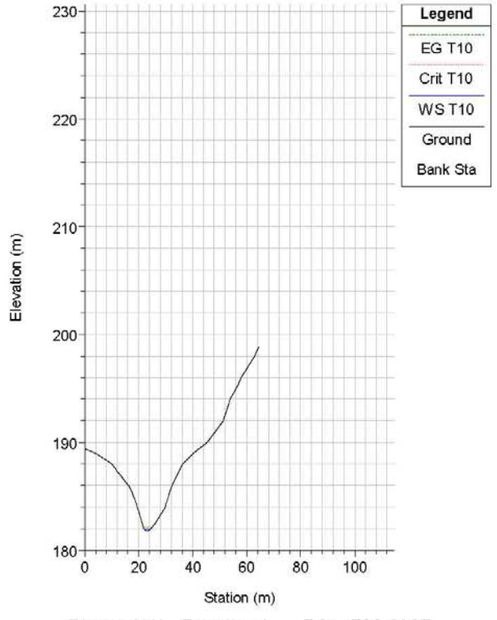


River = W1 Reach = 1 RS = 793.6044

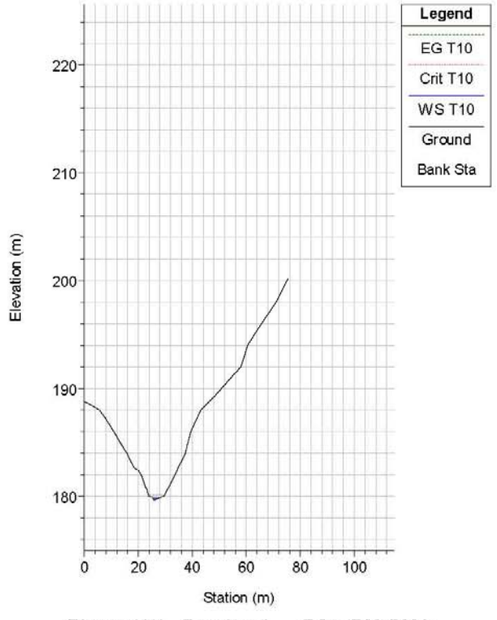


1 cm Horiz. = 20 m 1 cm Vert. = 5 m

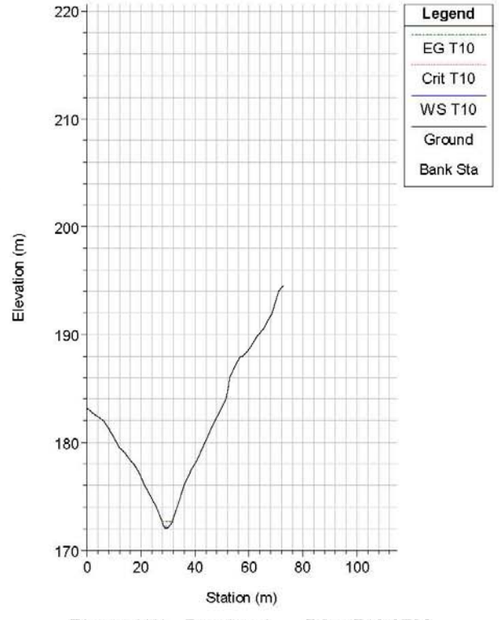
River = W1 Reach = 1 RS = 781.7216



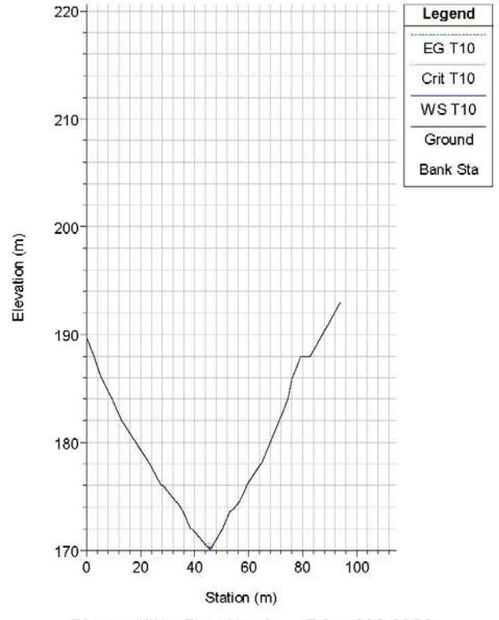
River = W1 Reach = 1 RS = 773.3601



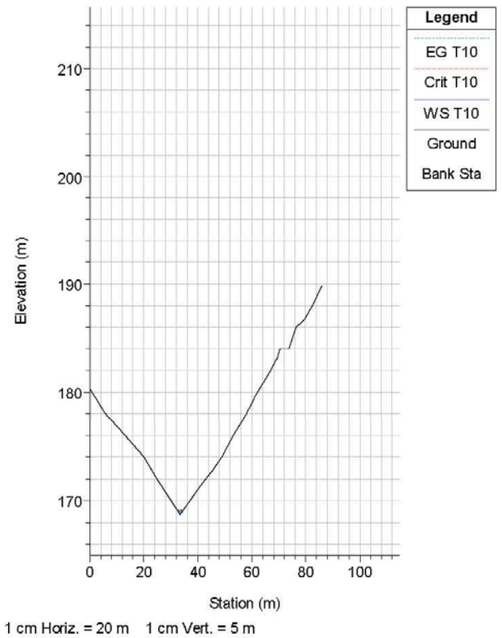
River = W1 Reach = 1 RS = 758.4223



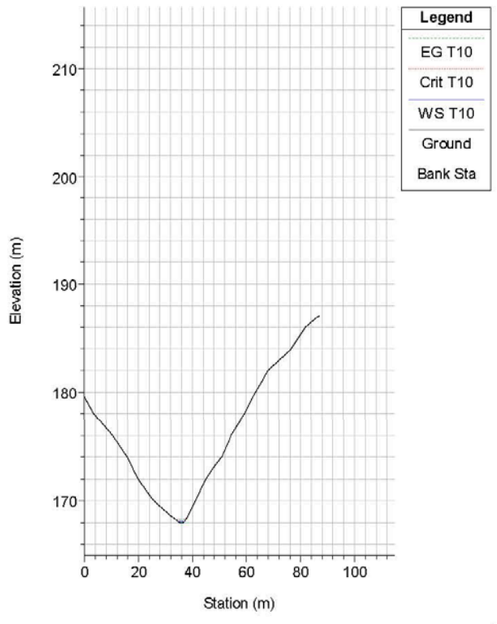
River = W1 Reach = 1 RS = 749.2824



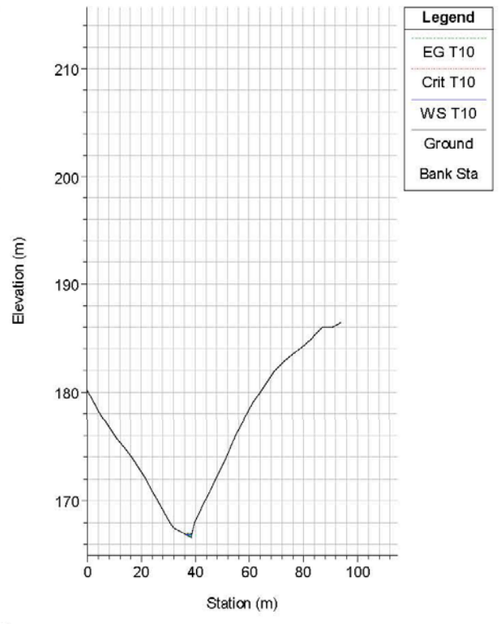
River = W1 Reach = 1 RS = 733.2037



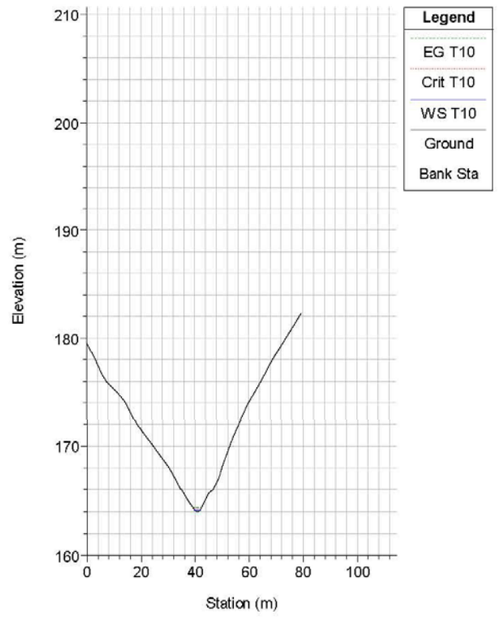
River = W1 Reach = 1 RS = 723.5230



River = W1 Reach = 1 RS = 710.9732

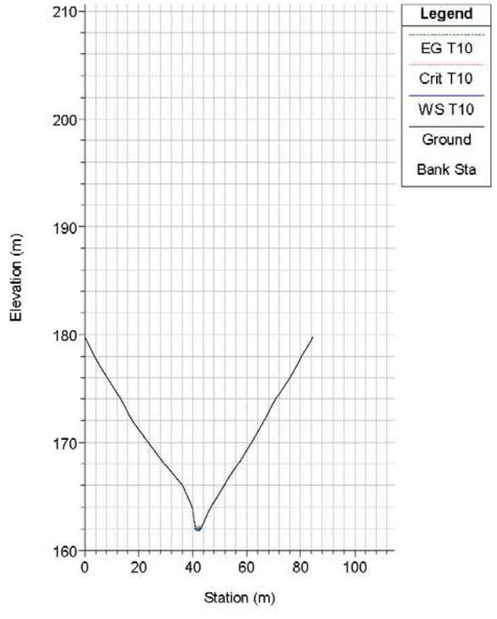


River = W1 Reach = 1 RS = 692.8339

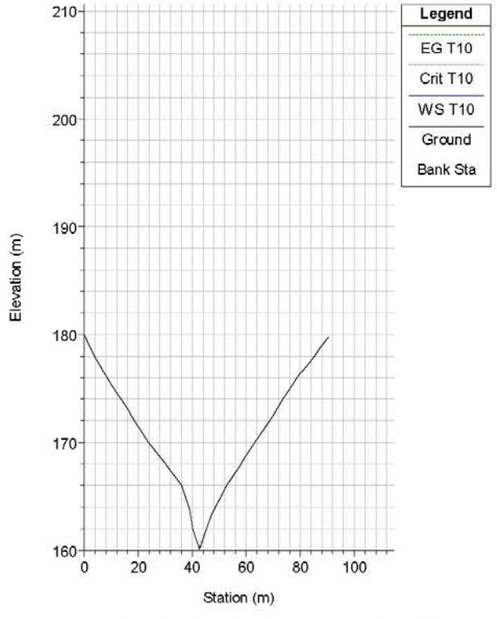


1 cm Horiz. = 20 m 1 cm Vert. = 5 m

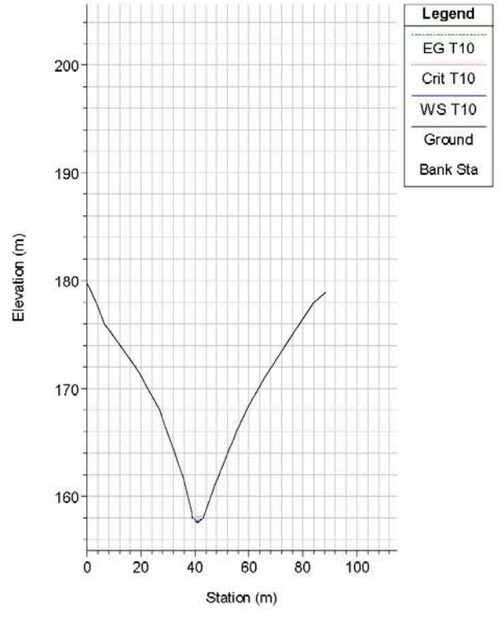
River = W1 Reach = 1 RS = 680.4143



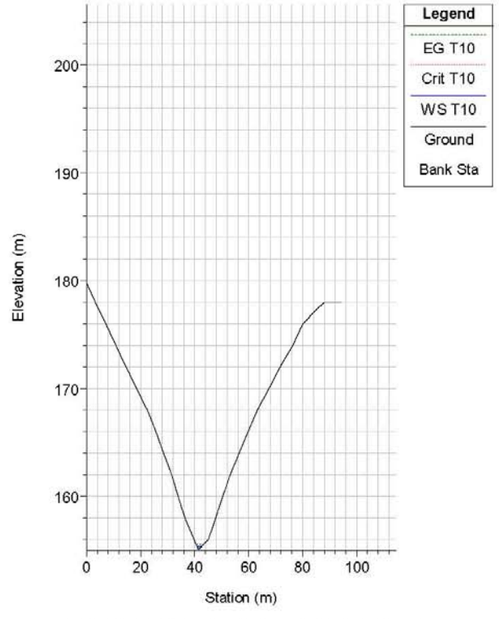
River = W1 Reach = 1 RS = 671.9925



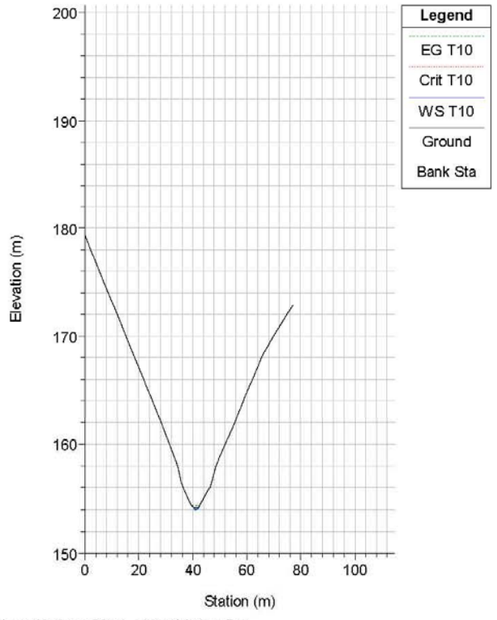
River = W1 Reach = 1 RS = 660.6846



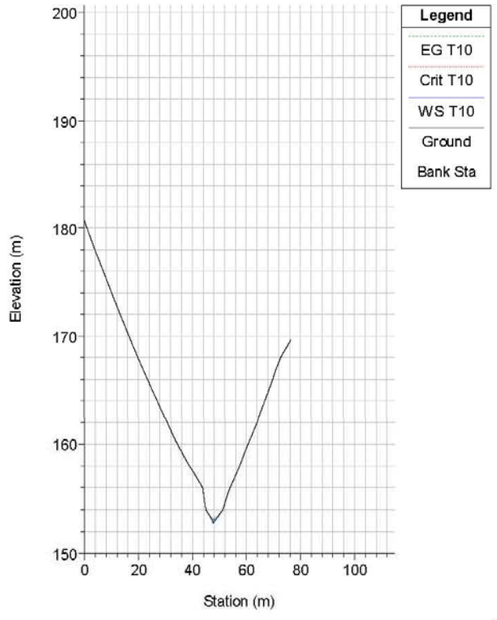
River = W1 Reach = 1 RS = 642.2771



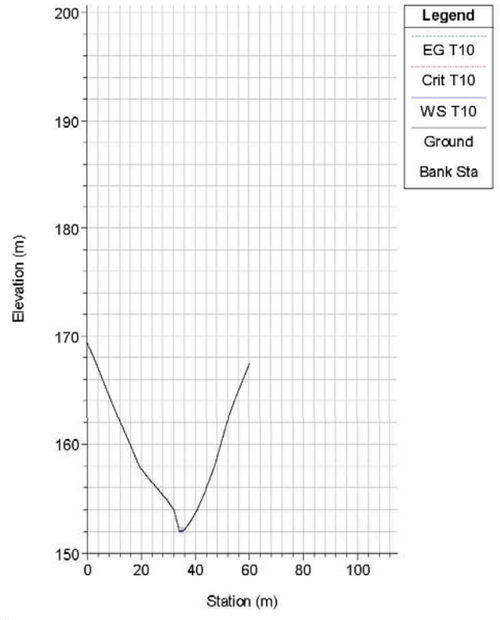
River = W1 Reach = 1 RS = 632.9023



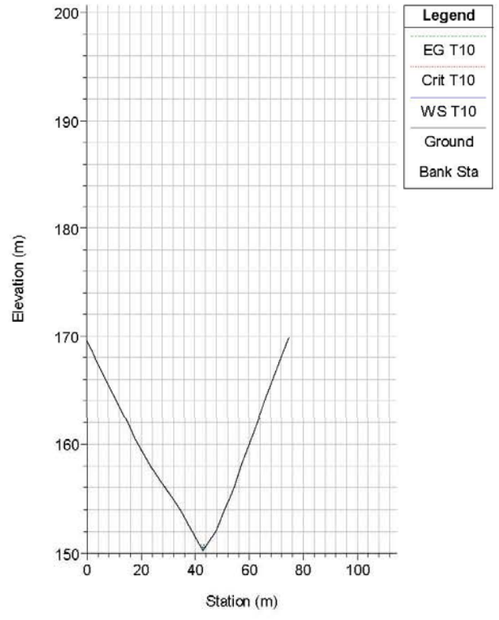
River = W1 Reach = 1 RS = 621.7841



River = W1 Reach = 1 RS = 614.1917

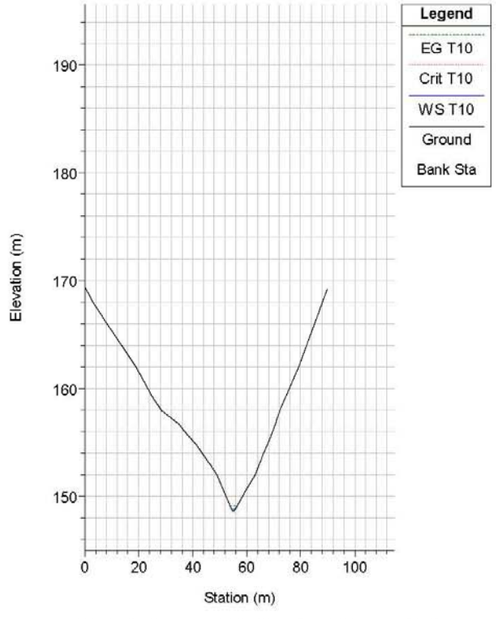


River = W1 Reach = 1 RS = 602.5093

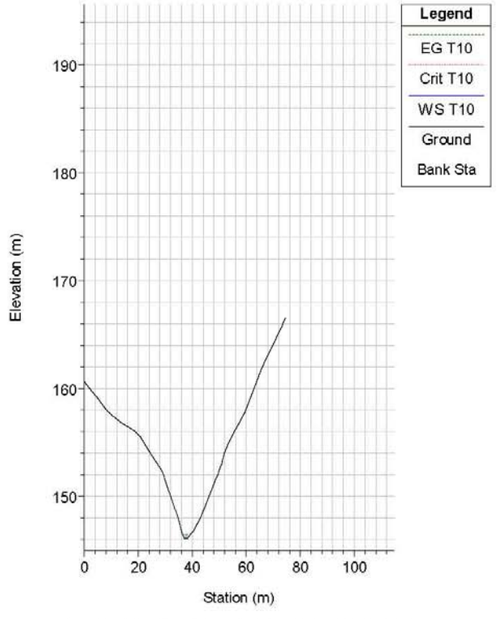


1 cm Horiz. = 20 m 1 cm Vert. = 5 m

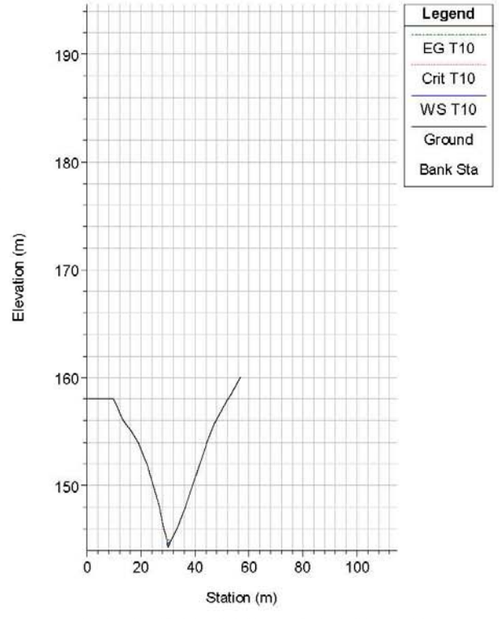
River = W1 Reach = 1 RS = 592.7354



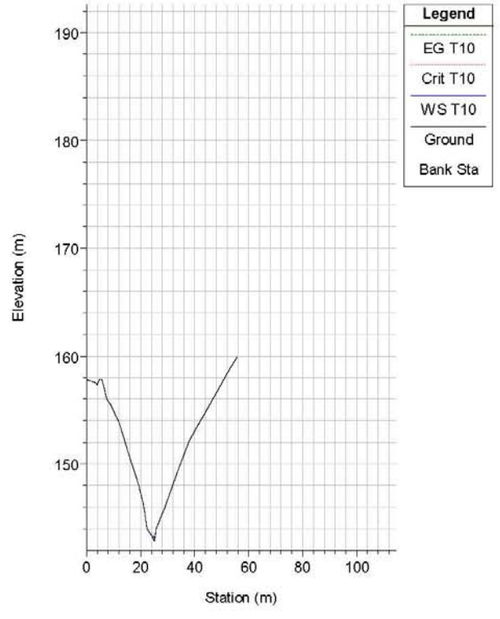
River = W1 Reach = 1 RS = 576.1426



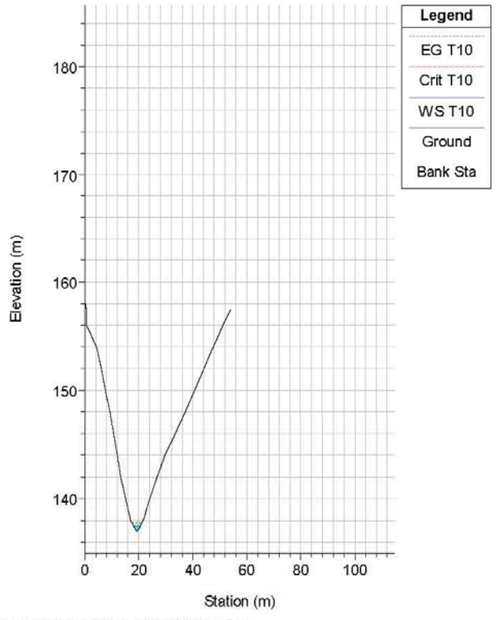
River = W1 Reach = 1 RS = 562.5673



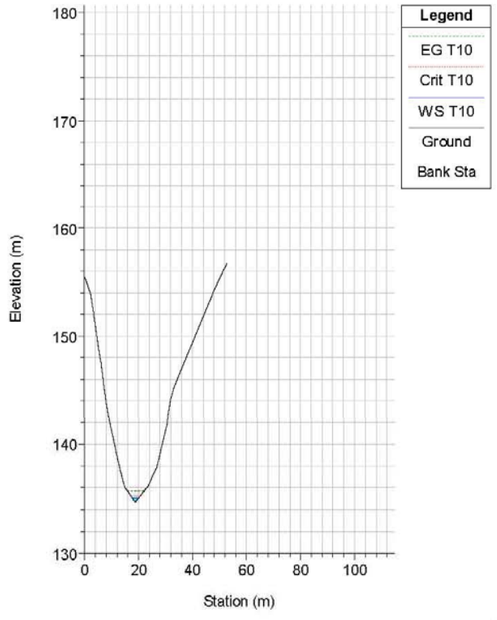
River = W1 Reach = 1 RS = 551.2232



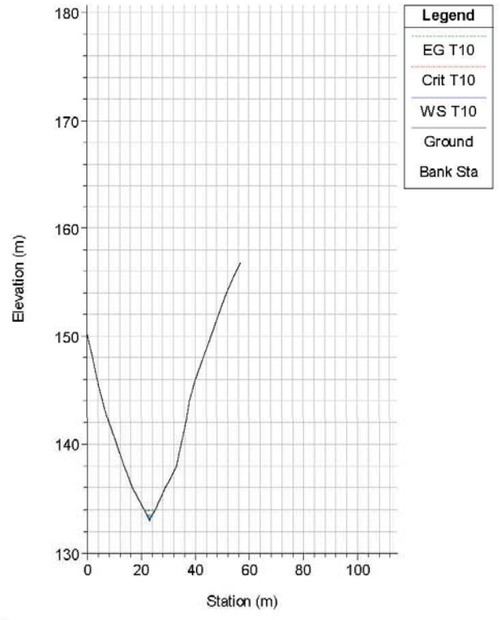
River = W1 Reach = 1 RS = 517.7834



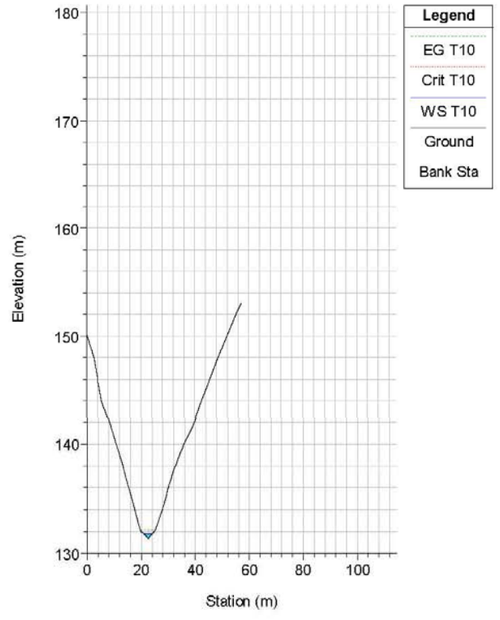
River = W1 Reach = 1 RS = 507.8528



River = W1 Reach = 1 RS = 495.0729



River = W1 Reach = 1 RS = 482.0231



1 cm Horiz. = 20 m 1 cm Vert. = 5 m

4