



APPENDIX E

HEC-RAS MODEL

1. Pre-Development Sections

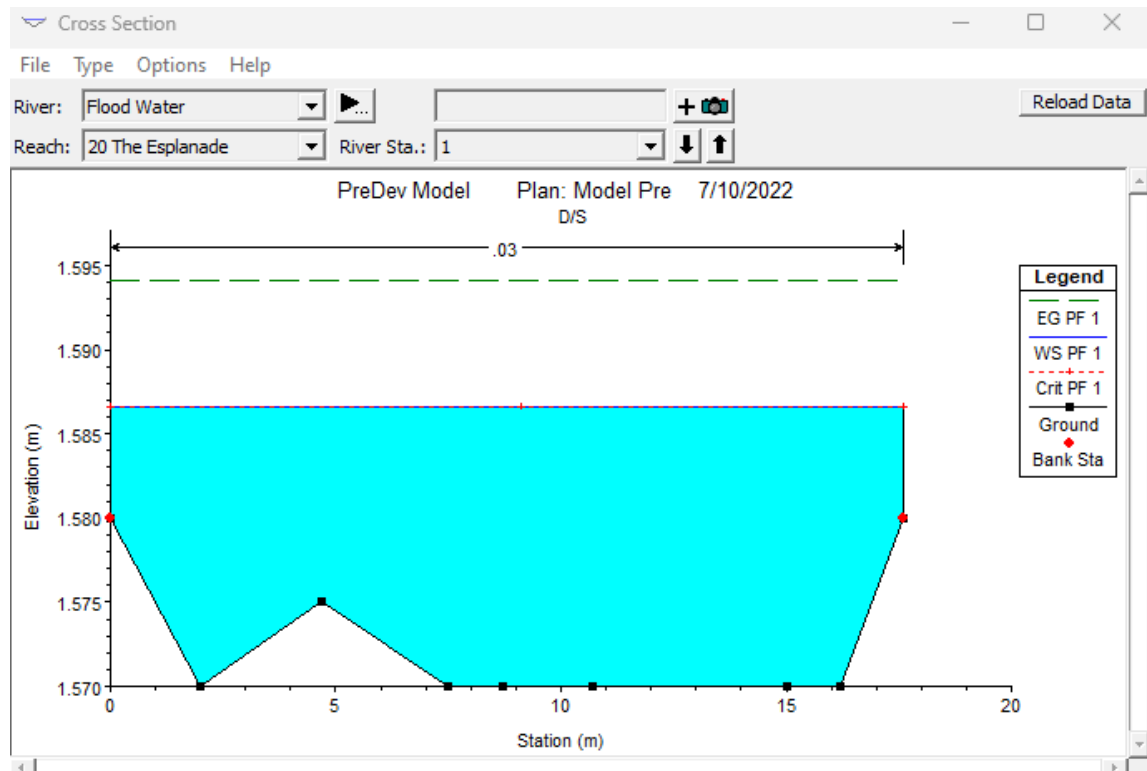


Figure 1 : Station 1

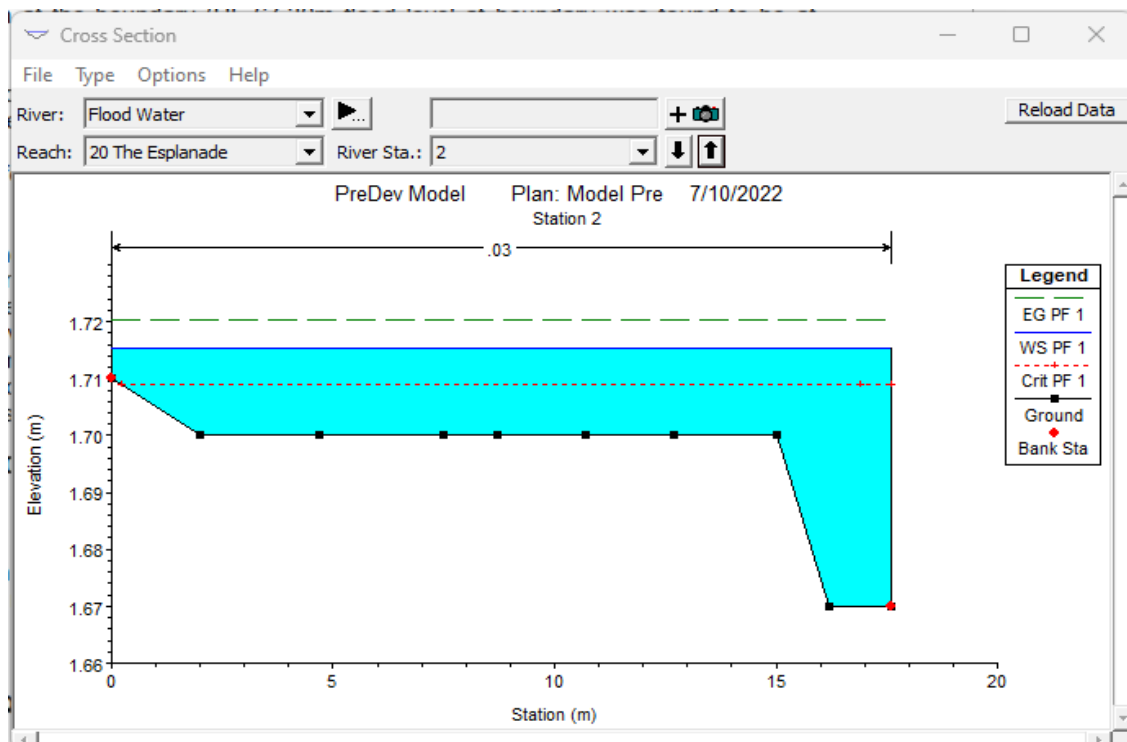


Figure 2 : Station 2

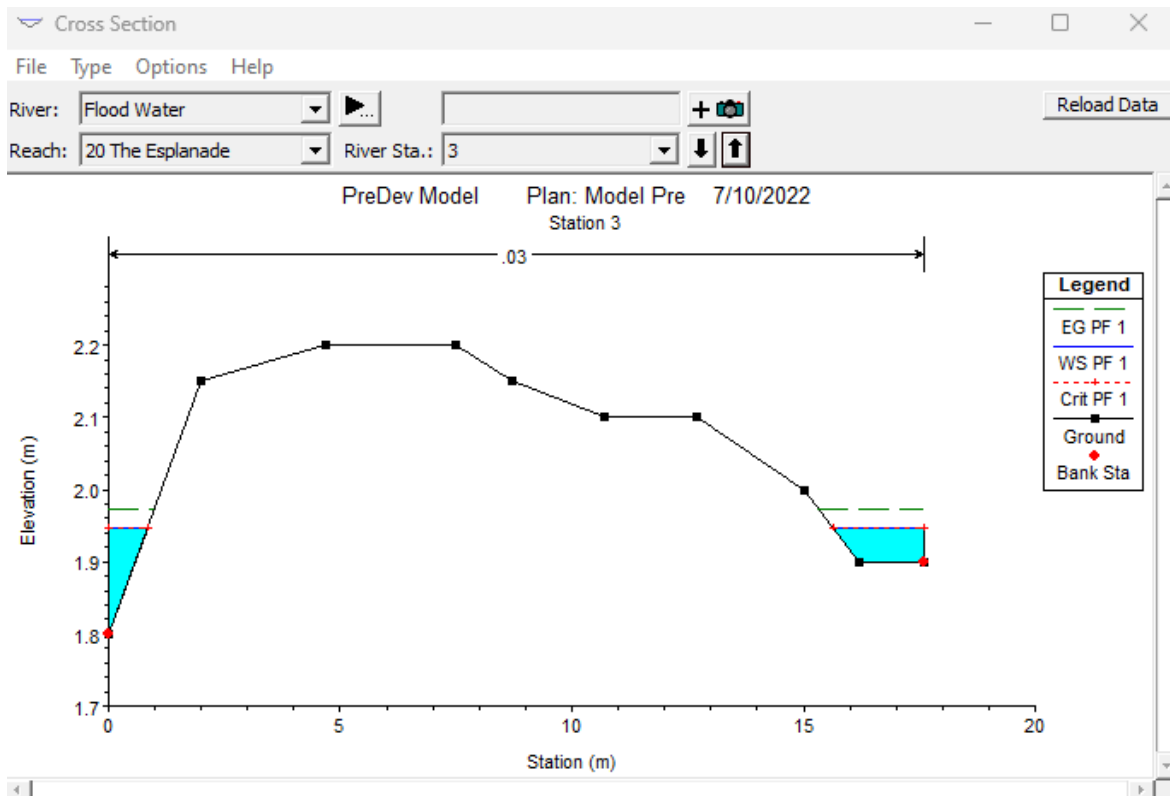


Figure 3 : Station 3

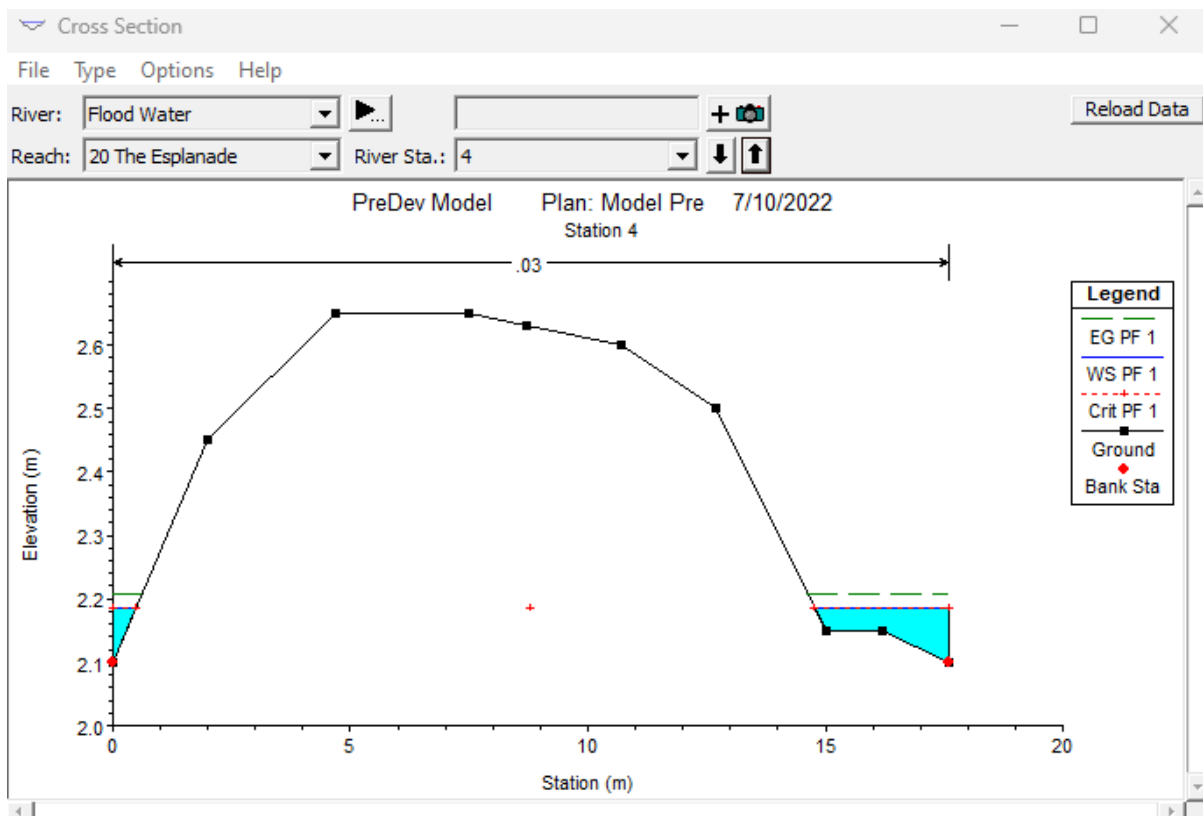


Figure 4 : Station 4

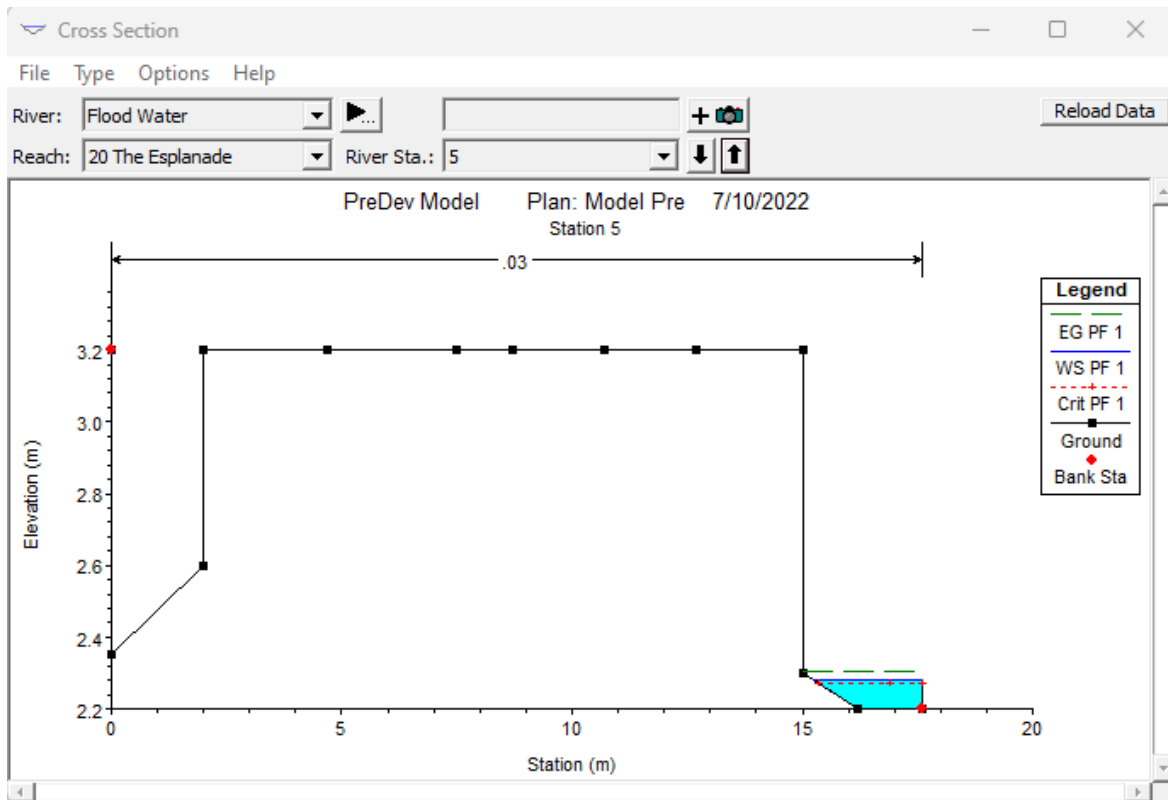


Figure 5 : Station 5

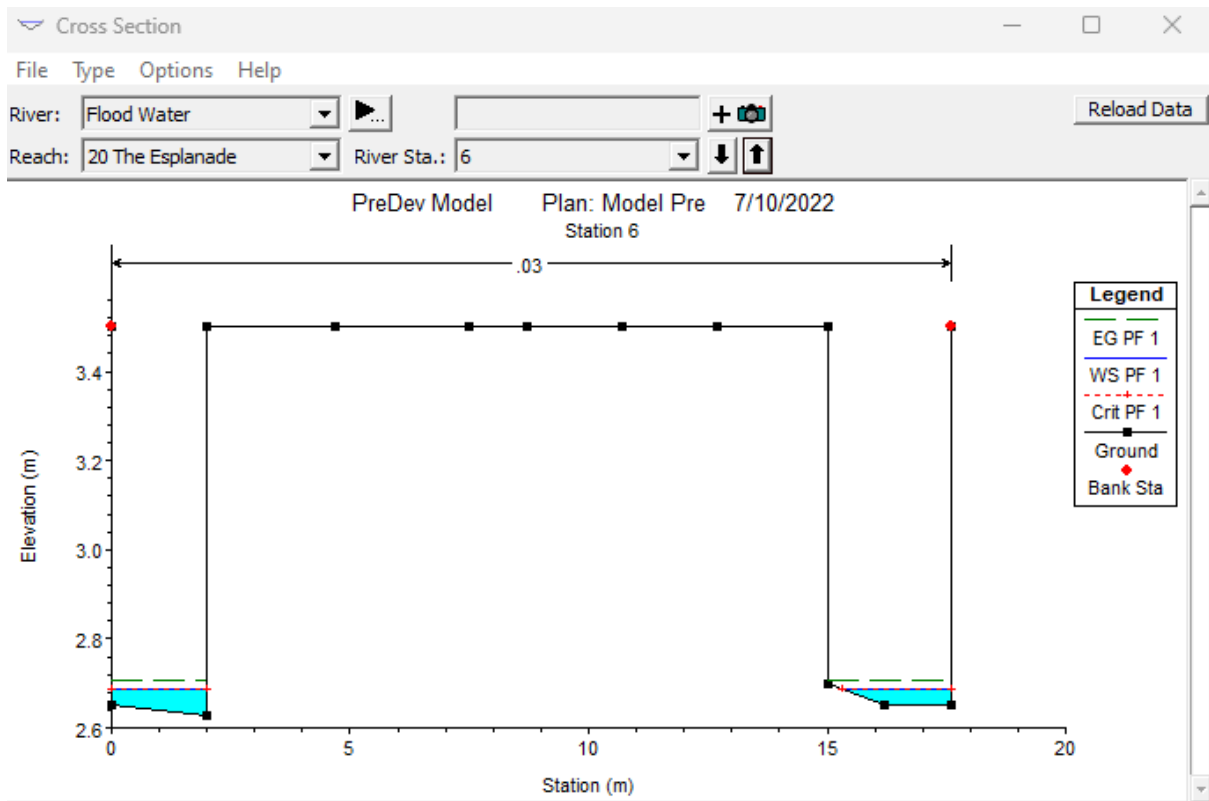


Figure 6 : Station 6

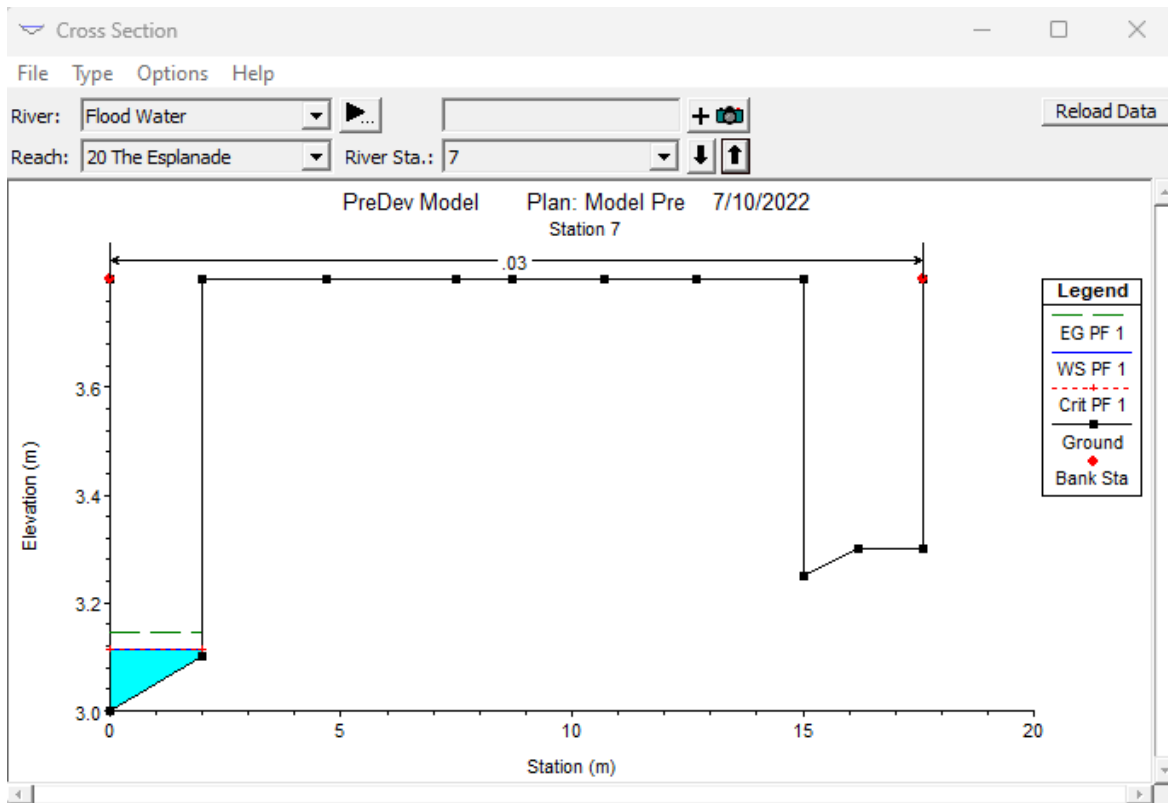


Figure 7 : Station 7

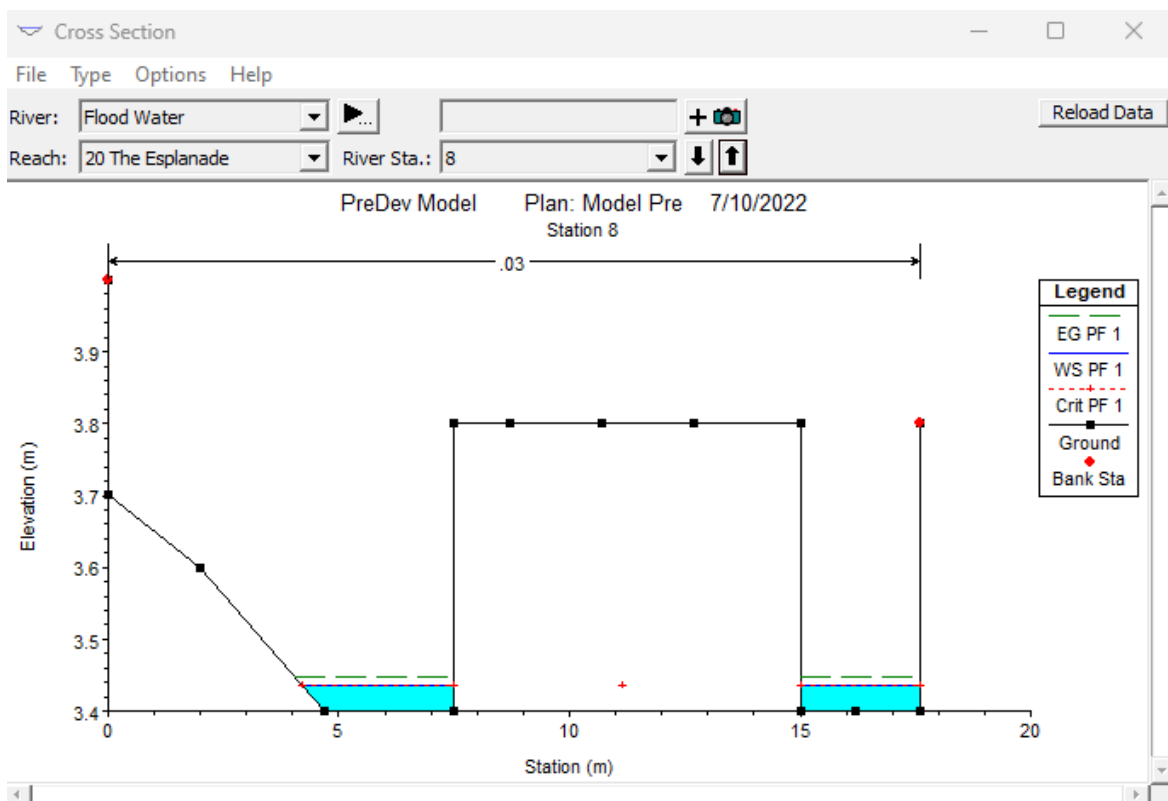


Figure 8 : Station 8

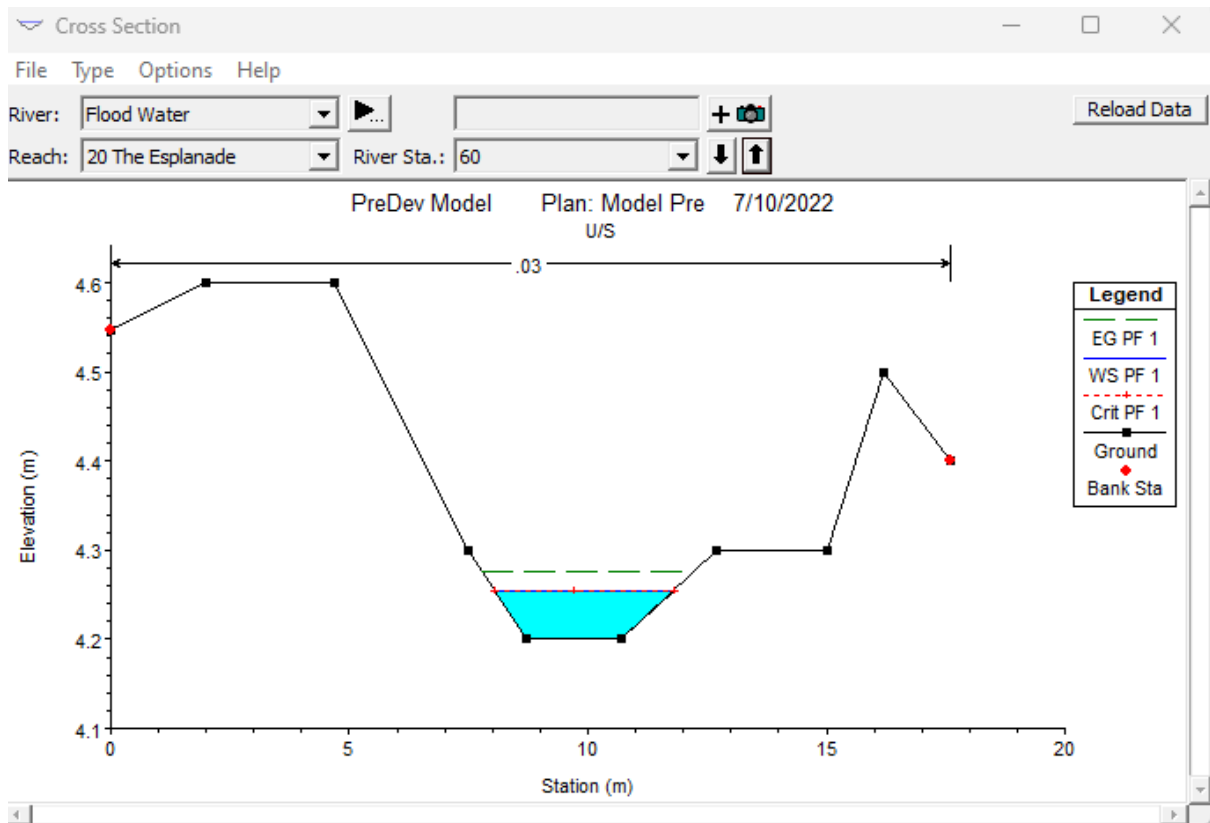


Figure 9 : Station 9

2. Pre-Development Sections

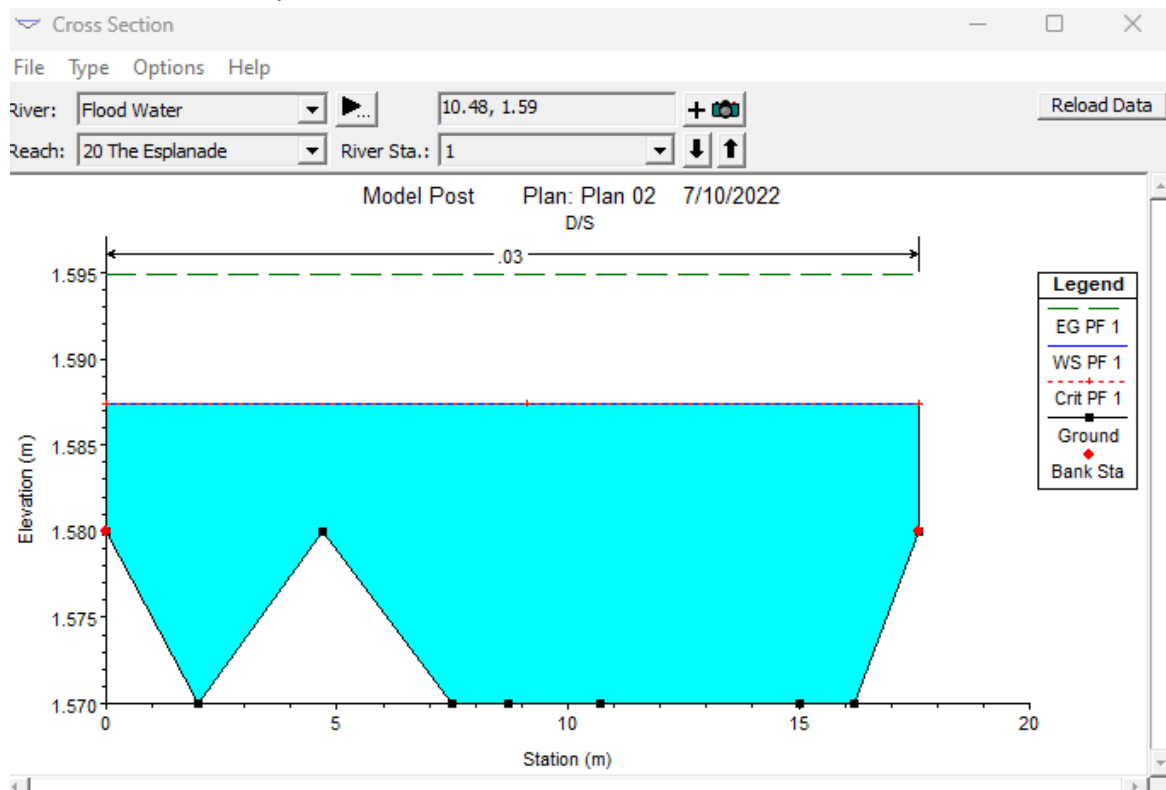


Figure 10 : Station 1

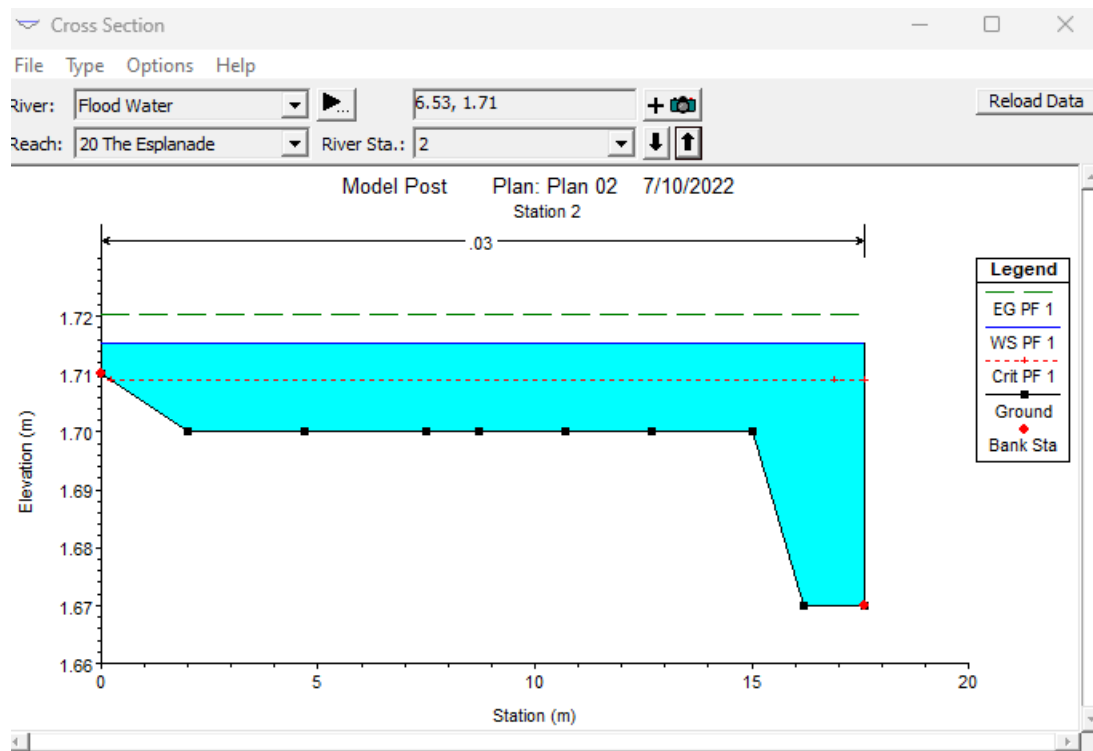


Figure 11 : Station 2

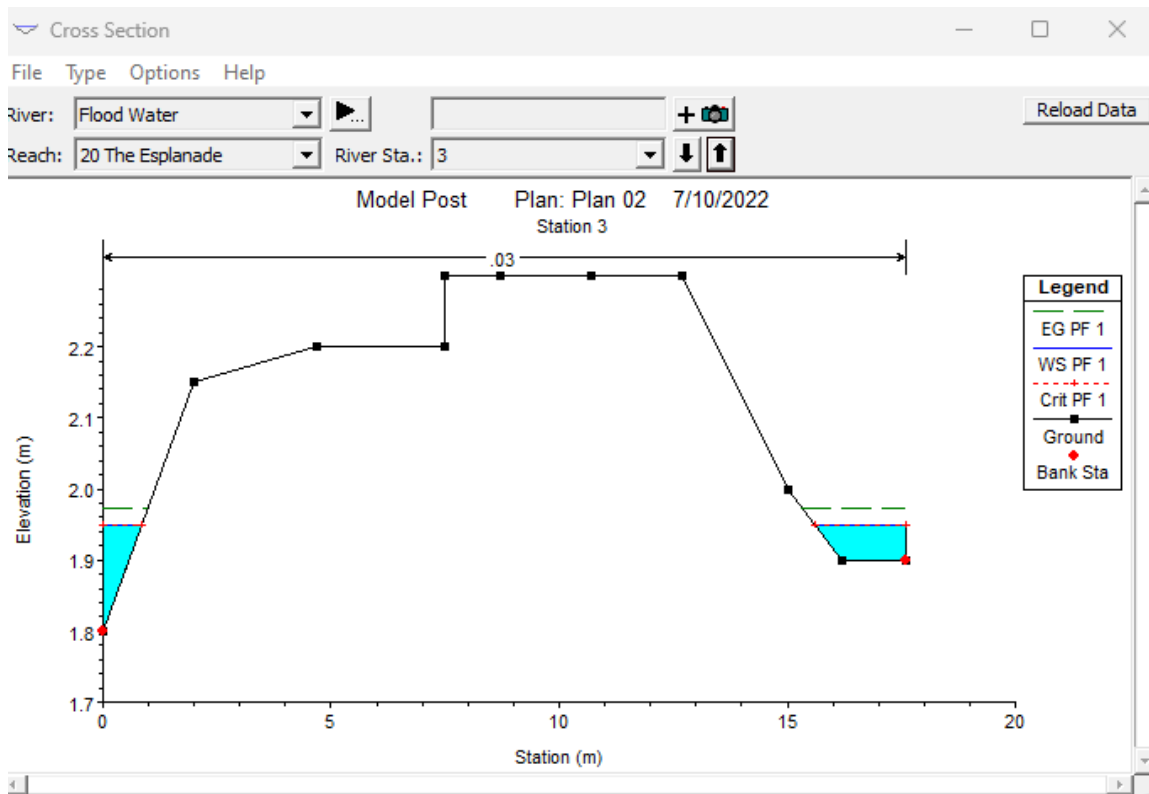


Figure 12 : Station 3

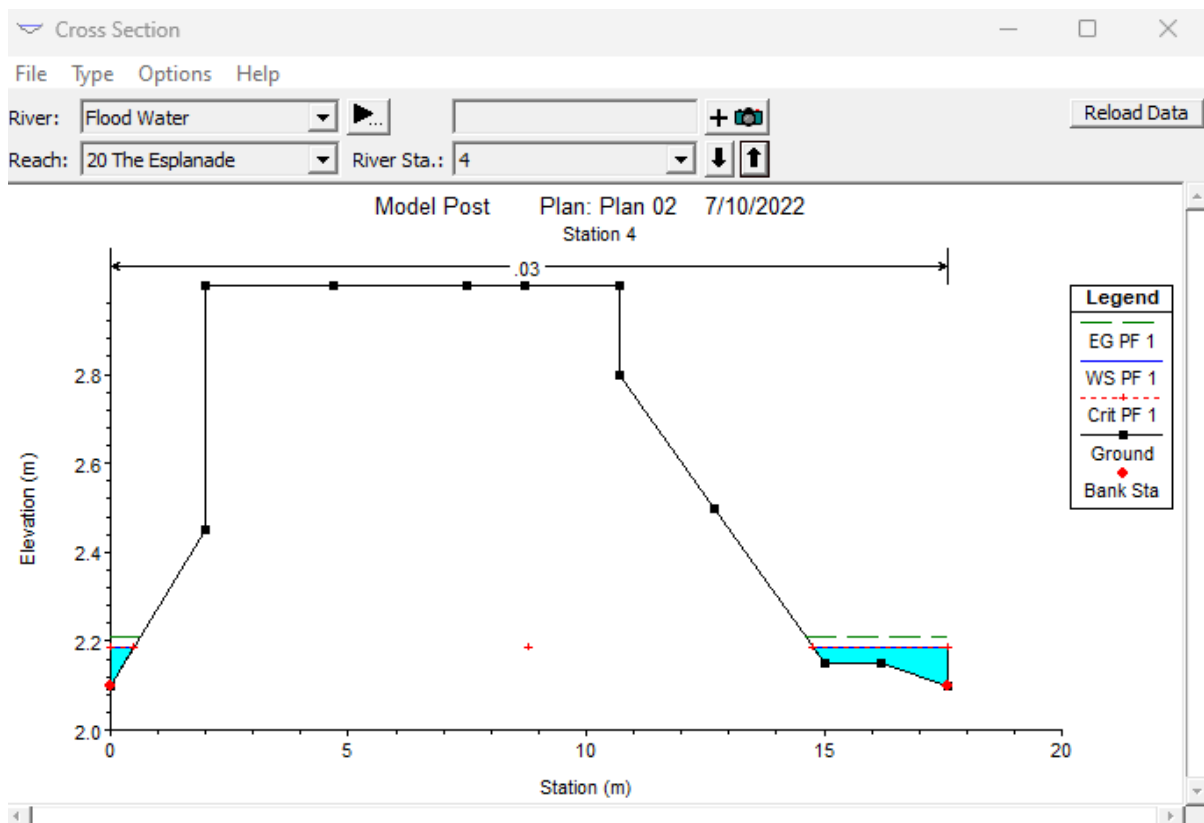


Figure 13 : Station 4

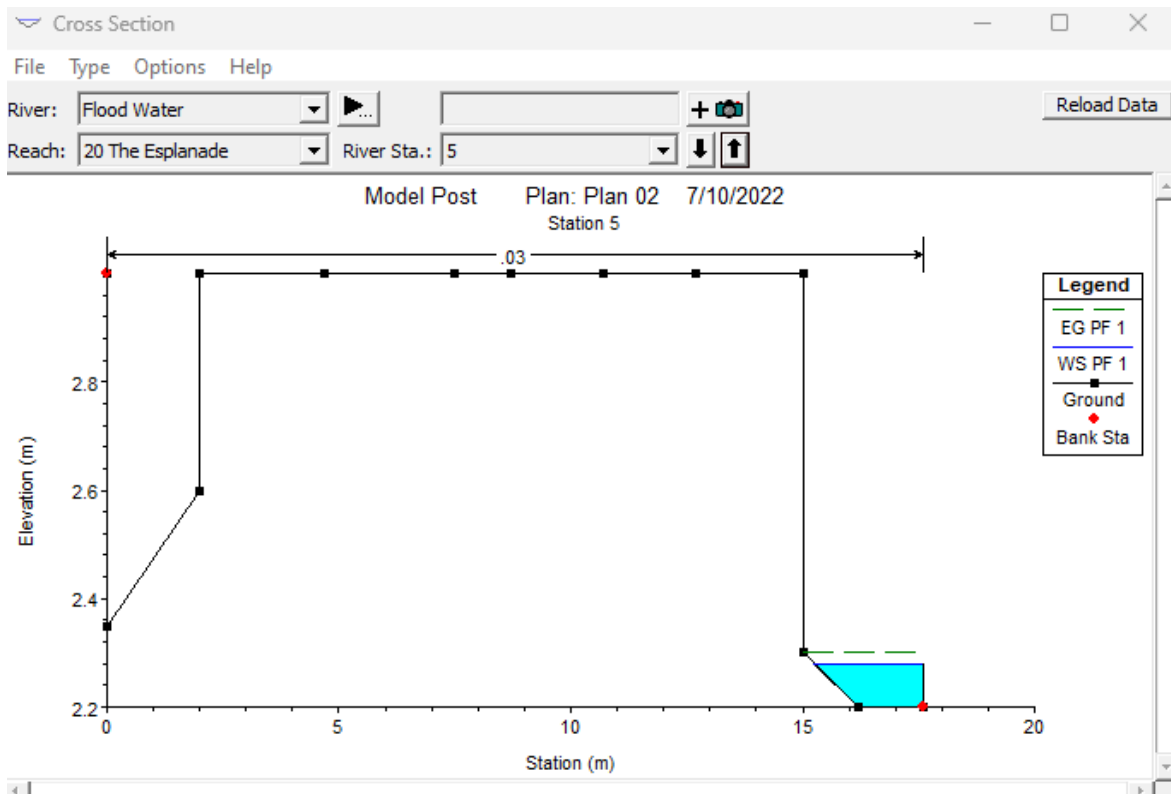


Figure 14 : Station 5

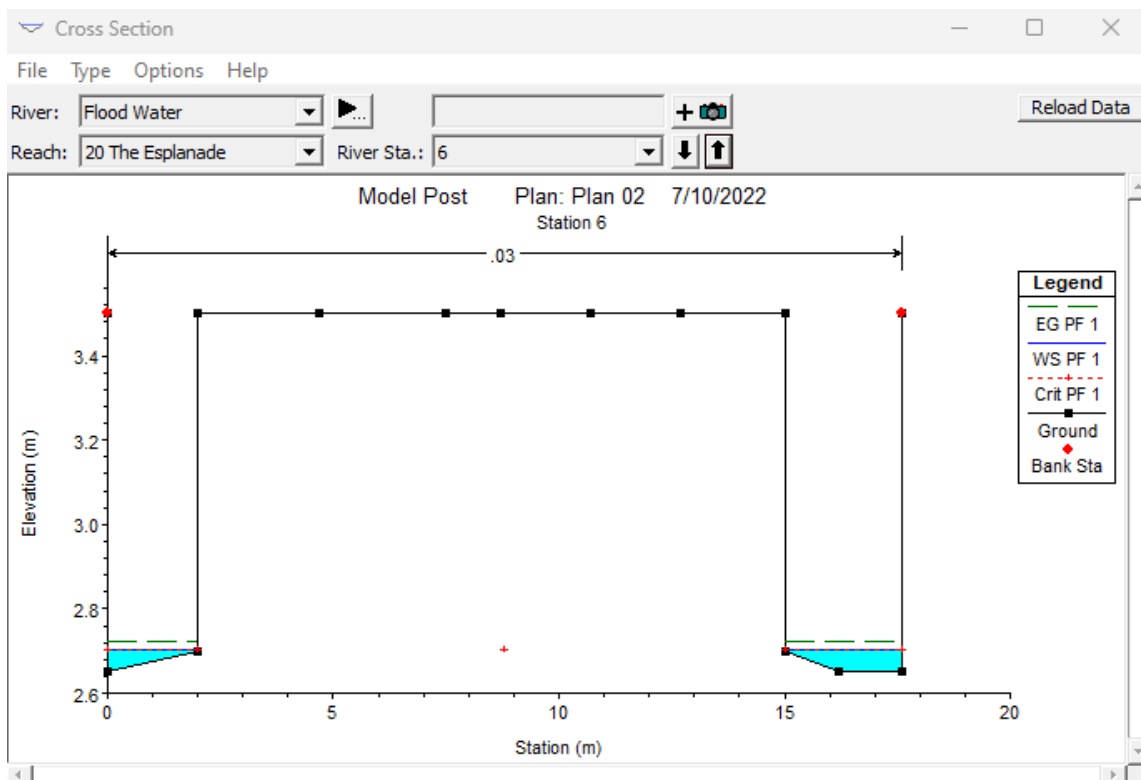


Figure 15 : Station 6

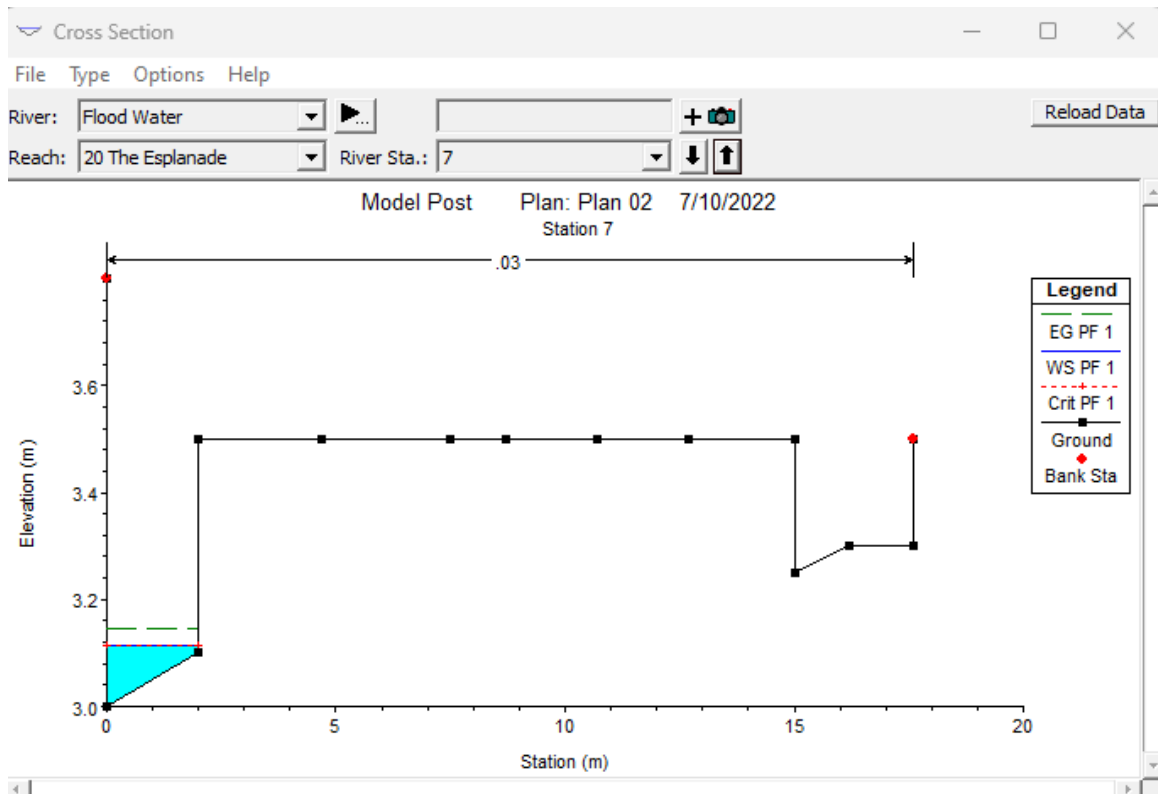


Figure 16 : Station 7

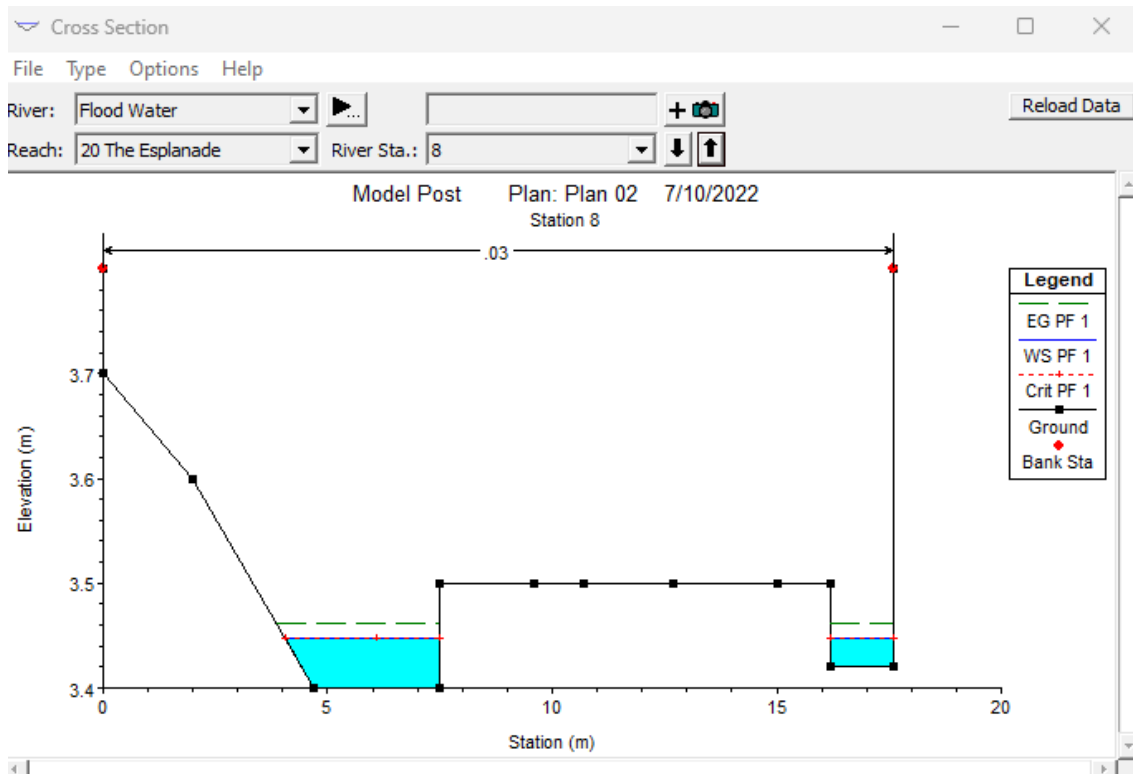


Figure 17 : Station 8

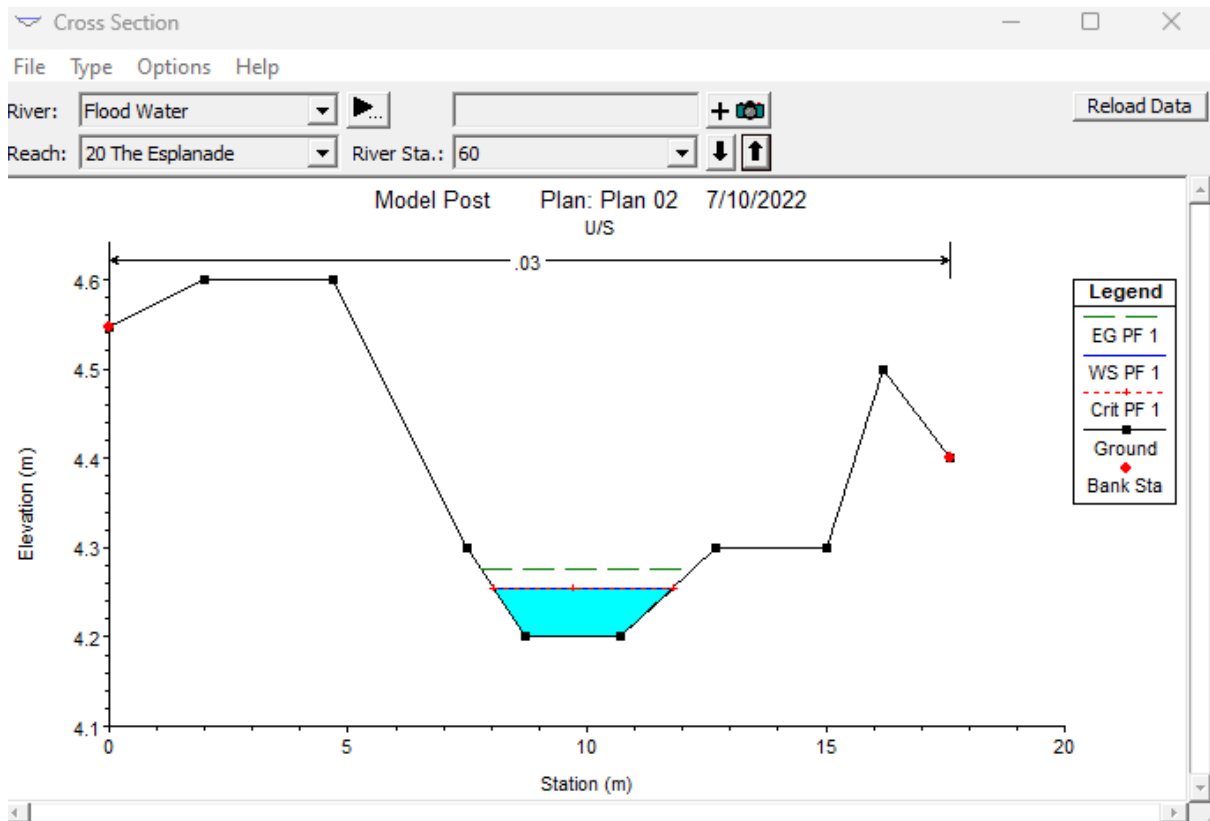


Figure 18 : Station 9

3. Pre-Development Flow Levels

Profile Output Table - Standard Table 1												
File Options Std. Tables Locations Help												
HEC-RAS Plan: Plan p02 River: Flood Water Reach: 20 The Esplanade Profile: PF 1												
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
20 The Esplanade	60	PF 1	0.10	4.20	4.25	4.25	4.28	0.025364	0.64	0.16	3.74	1.00
20 The Esplanade	8	PF 1	0.10	3.40	3.44	3.44	3.45	0.020519	0.50	0.20	5.88	0.86
20 The Esplanade	7	PF 1	0.10	3.00	3.11	3.11	3.15	0.024573	0.79	0.13	2.00	1.01
20 The Esplanade	6	PF 1	0.10	2.63	2.69	2.69	2.71	0.027107	0.61	0.16	4.28	1.00
20 The Esplanade	5	PF 1	0.10	2.20	2.28	2.27	2.30	0.015739	0.66	0.15	2.37	0.83
20 The Esplanade	4	PF 1	0.10	2.10	2.19	2.19	2.21	0.026214	0.66	0.15	3.32	0.99
20 The Esplanade	3	PF 1	0.10	1.80	1.95	1.95	1.97	0.029542	0.73	0.14	2.78	1.06
20 The Esplanade	2	PF 1	0.10	1.67	1.72	1.71	1.72	0.018278	0.31	0.32	17.60	0.74
20 The Esplanade	1	PF 1	0.10	1.57	1.59	1.59	1.59	0.035847	0.38	0.26	17.60	1.00

Figure 19 : Pre-Development Flow Levels

4. Pre-Development Flow Levels

Profile Output Table - Standard Table 1												
File Options Std. Tables Locations Help												
HEC-RAS Plan: Plan p02 River: Flood Water Reach: 20 The Esplanade Profile: PF 1												
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
20 The Esplanade	60	PF 1	0.10	4.20	4.25	4.25	4.28	0.025364	0.64	0.16	3.74	1.00
20 The Esplanade	8	PF 1	0.10	3.40	3.45	3.45	3.46	0.020095	0.53	0.19	4.84	0.87
20 The Esplanade	7	PF 1	0.10	3.00	3.11	3.11	3.15	0.024544	0.79	0.13	2.00	1.01
20 The Esplanade	6	PF 1	0.10	2.65	2.70	2.70	2.72	0.031114	0.62	0.16	4.60	1.06
20 The Esplanade	5	PF 1	0.10	2.20	2.28		2.30	0.015970	0.66	0.15	2.37	0.83
20 The Esplanade	4	PF 1	0.10	2.10	2.19	2.19	2.21	0.026237	0.66	0.15	3.32	0.99
20 The Esplanade	3	PF 1	0.10	1.80	1.95	1.95	1.97	0.025592	0.70	0.14	2.82	0.99
20 The Esplanade	2	PF 1	0.10	1.67	1.72	1.71	1.72	0.018017	0.31	0.32	17.60	0.73
20 The Esplanade	1	PF 1	0.10	1.57	1.59	1.59	1.59	0.036067	0.38	0.26	17.60	1.00

Figure 20 : Post Development Flow Levels