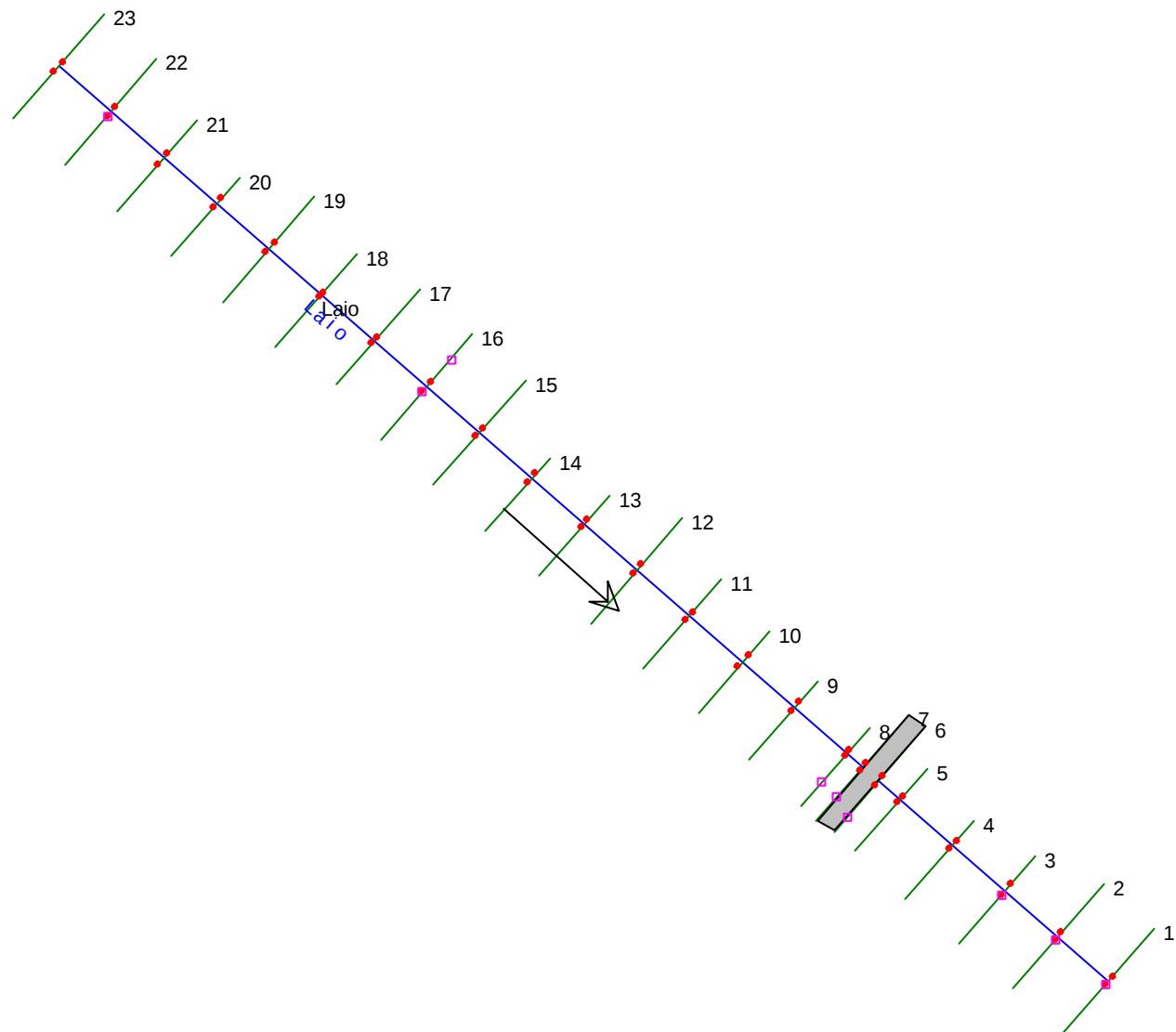
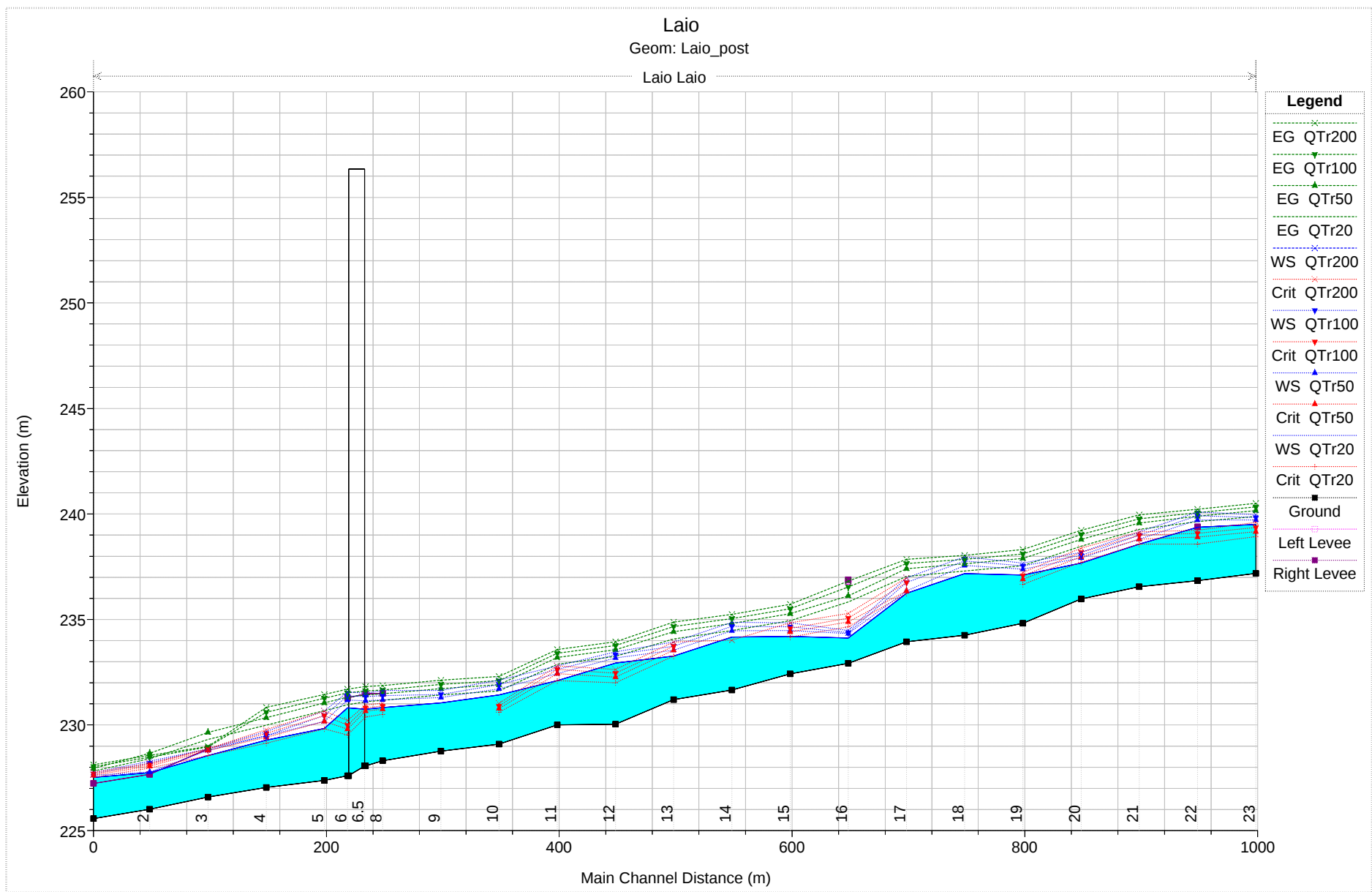
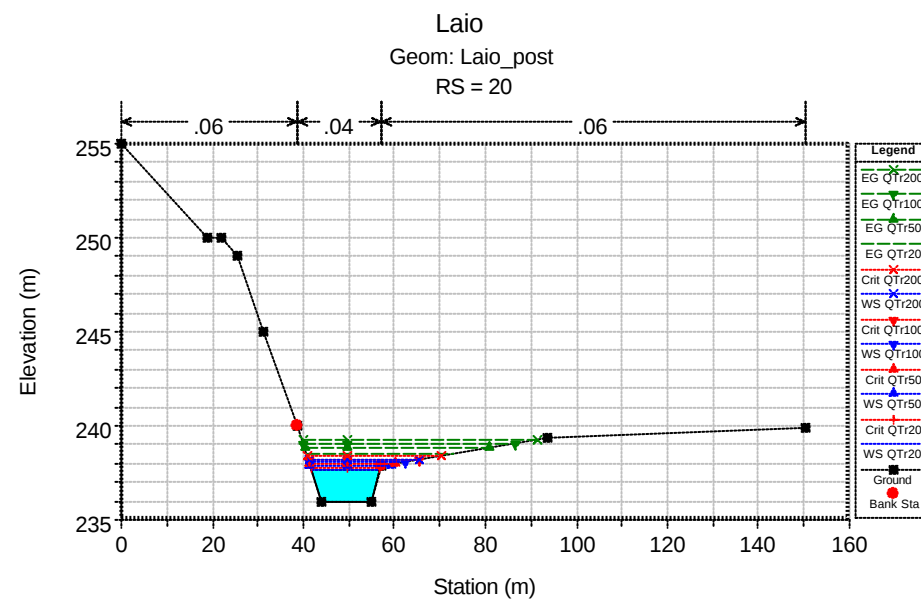
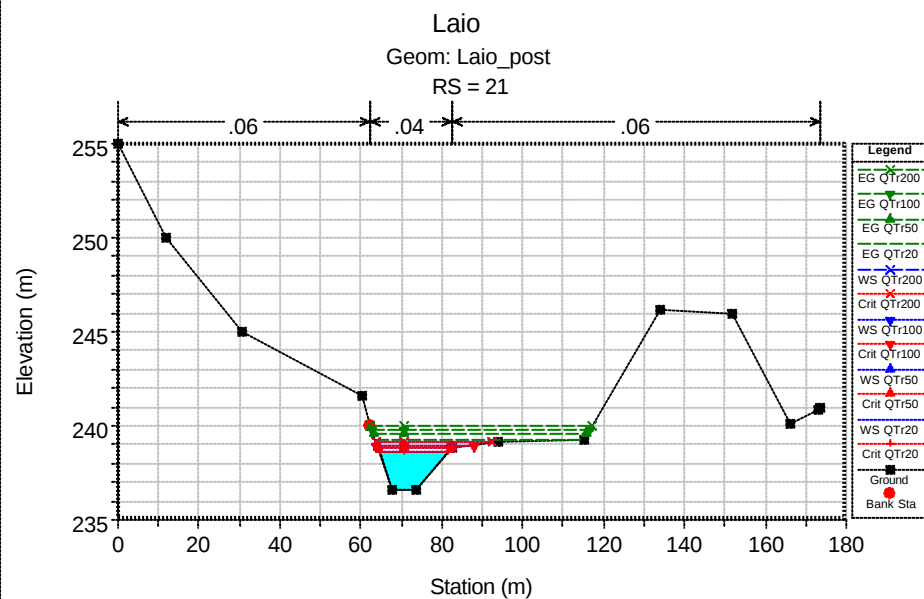
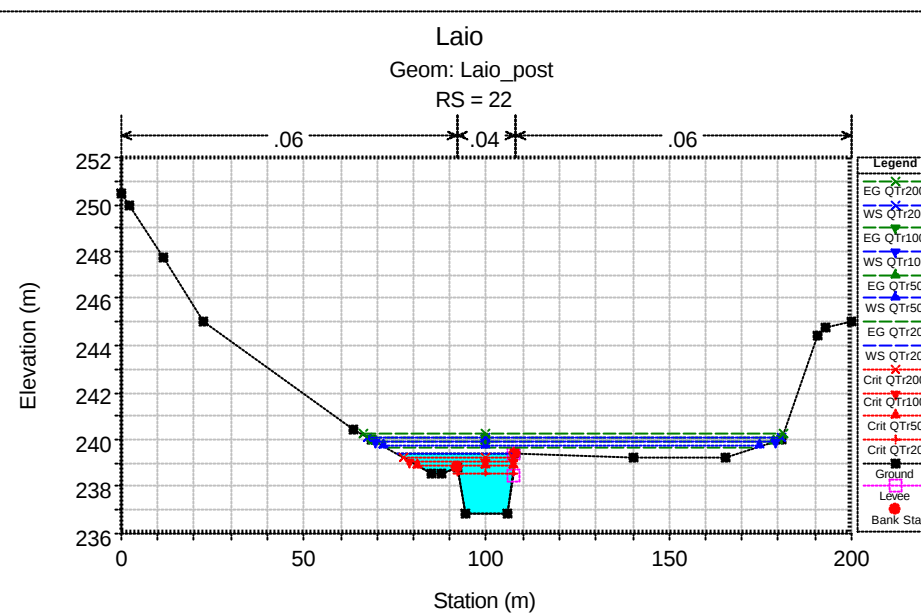
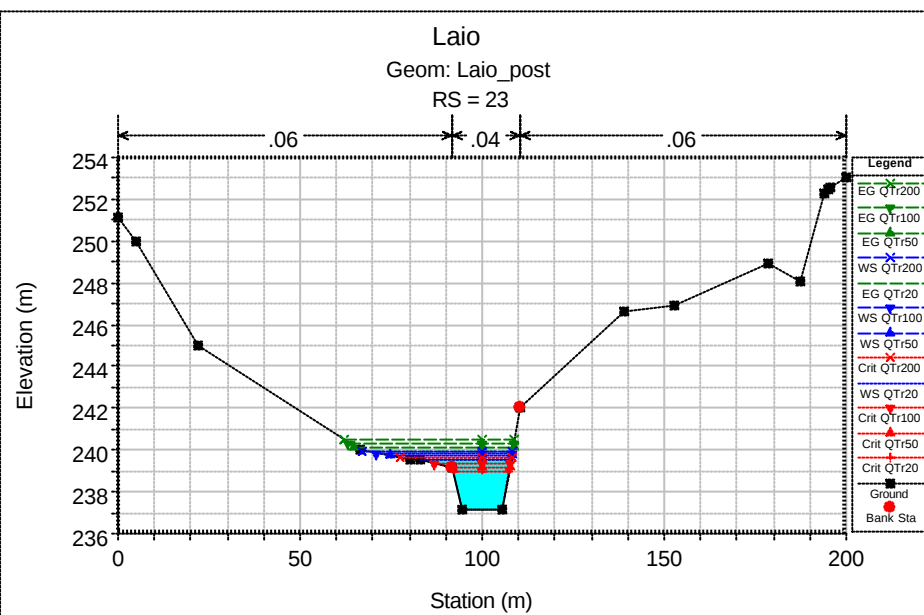
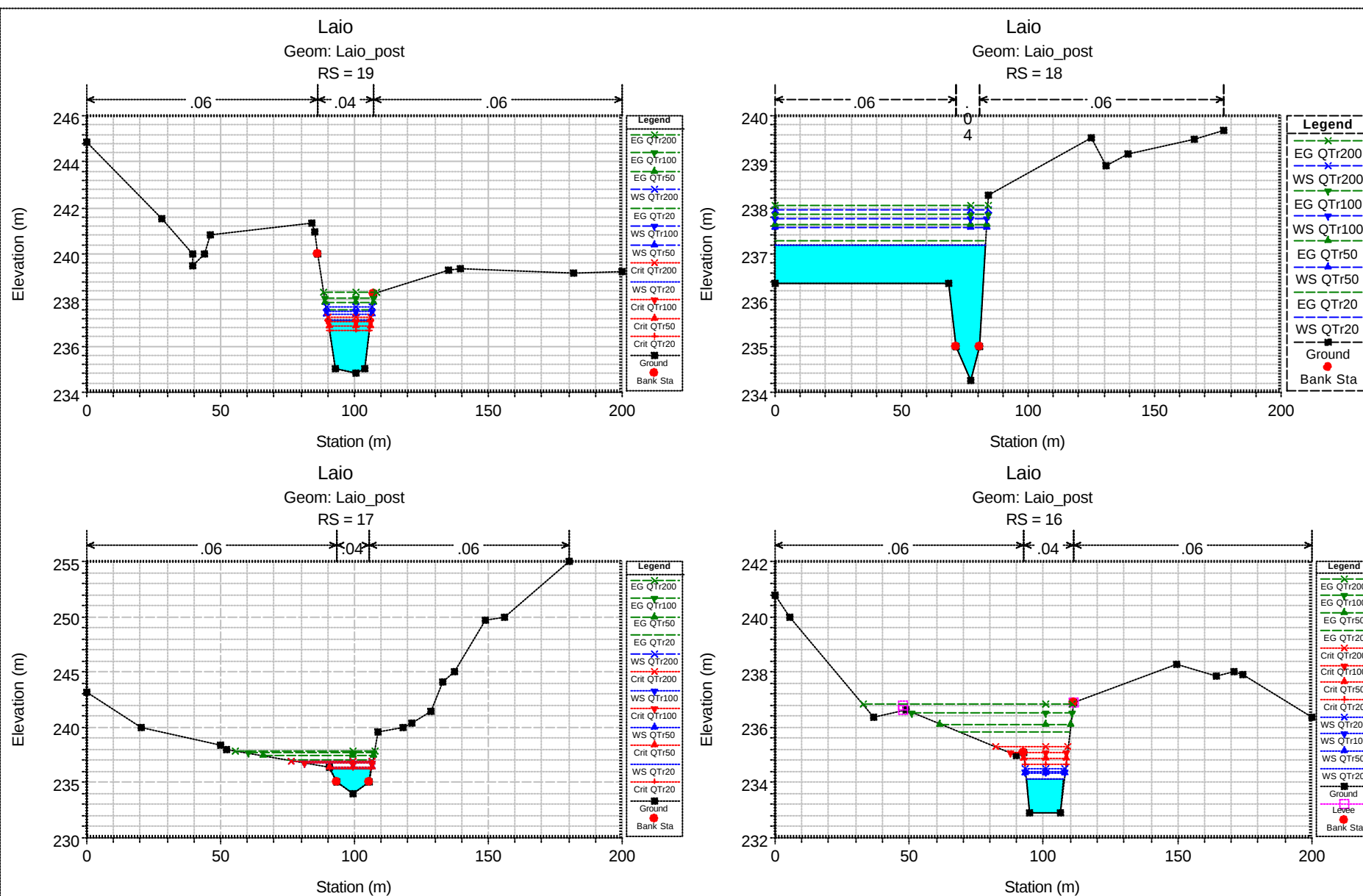
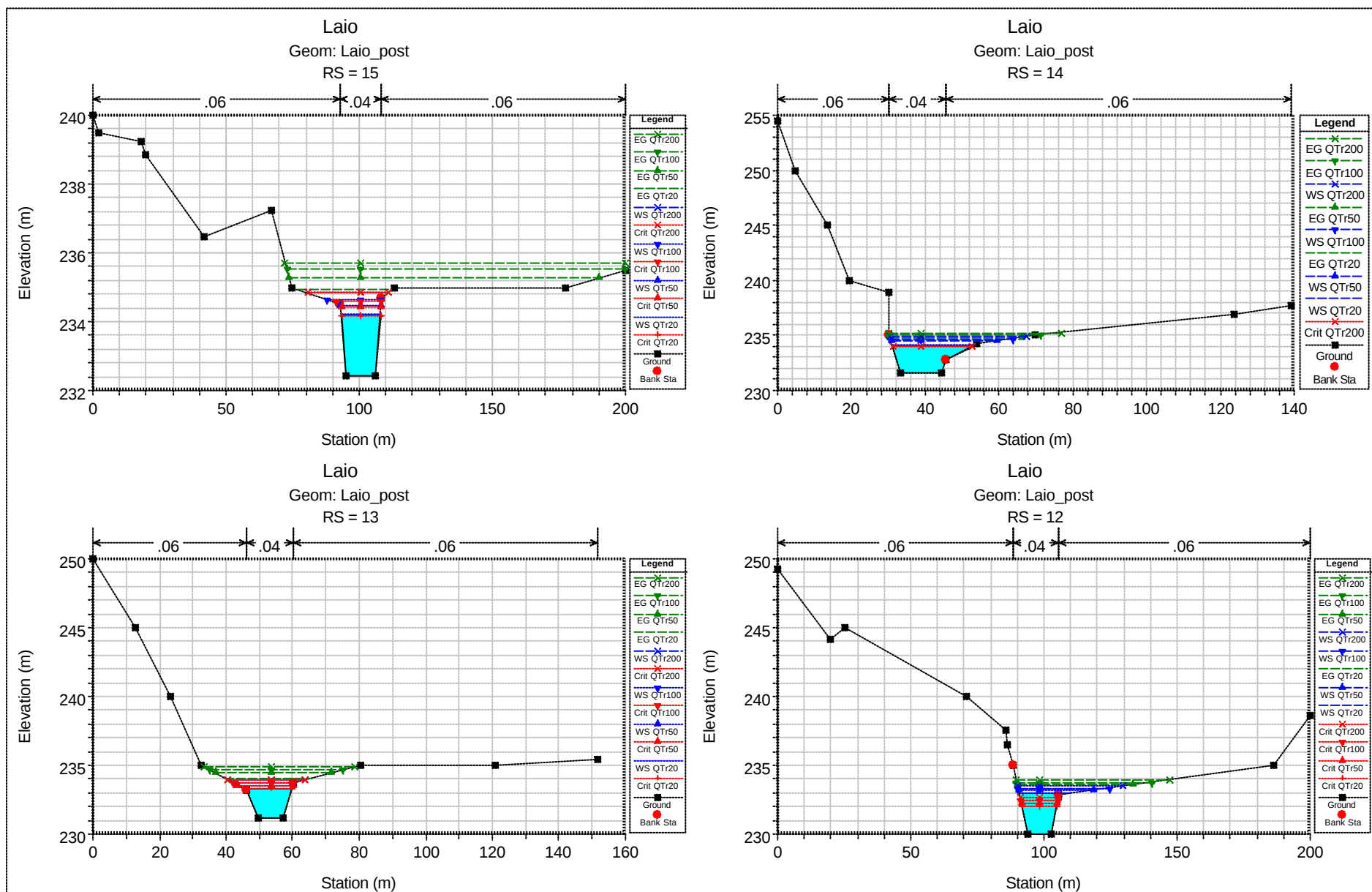


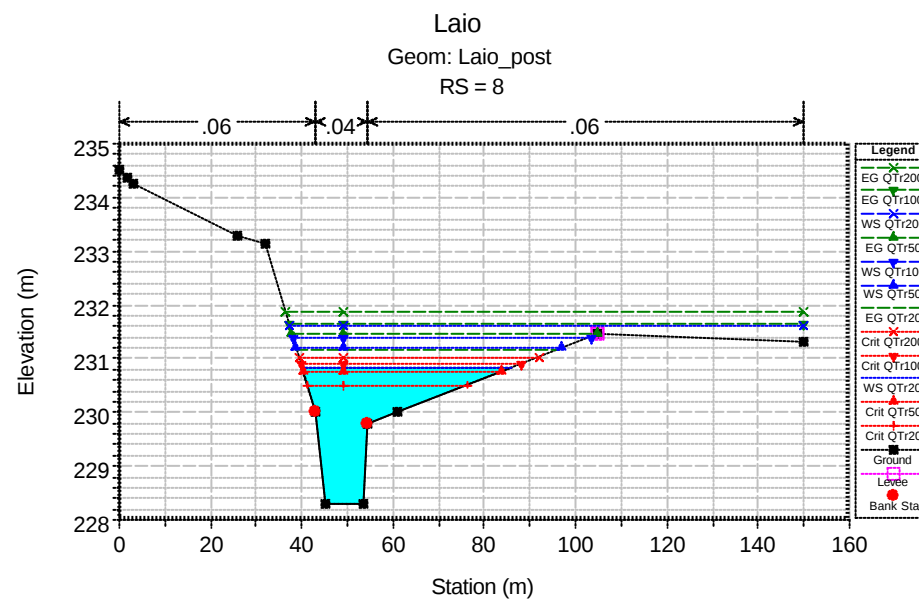
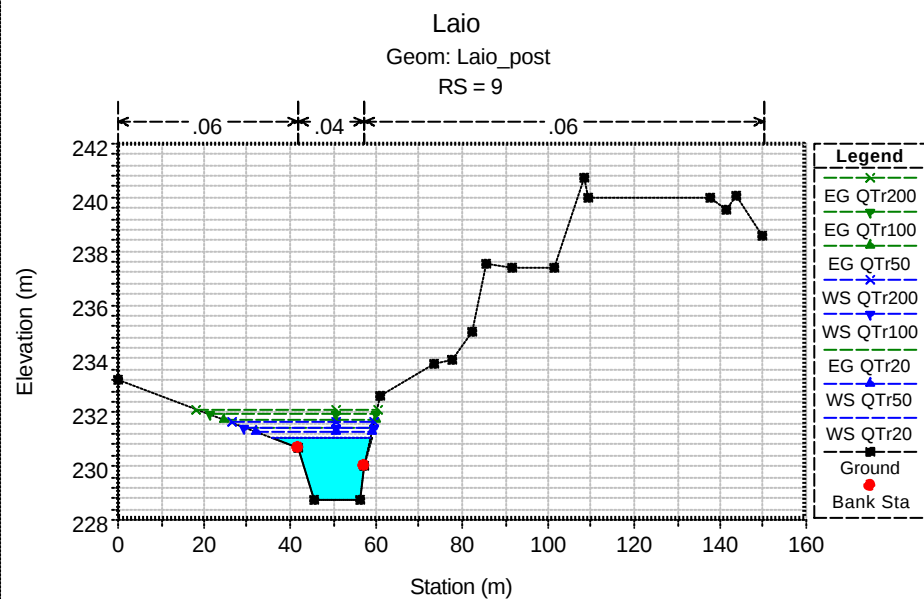
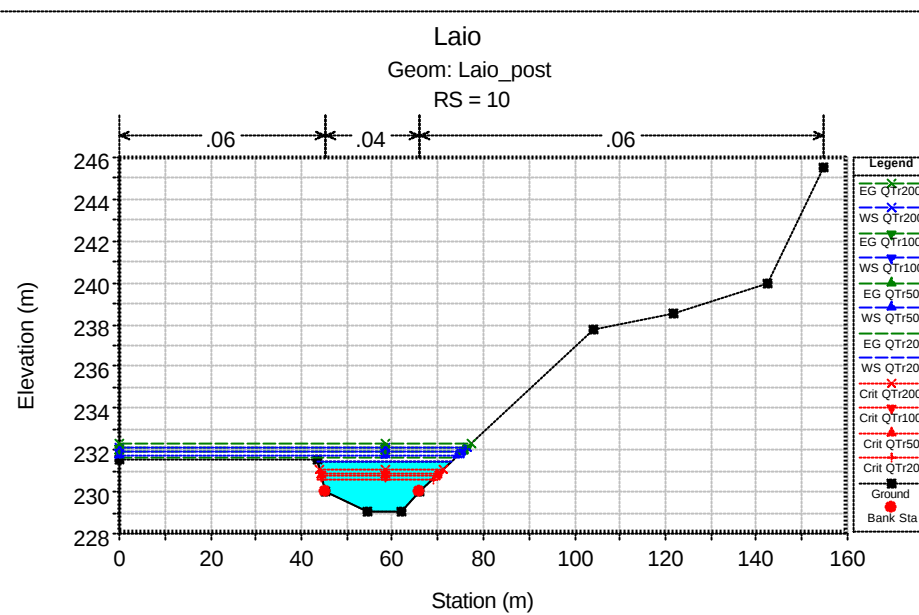
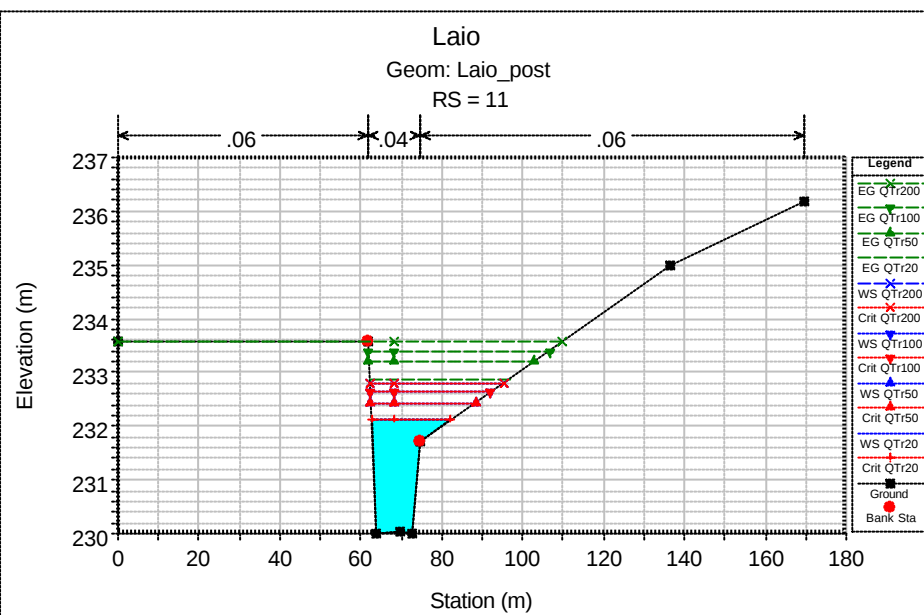


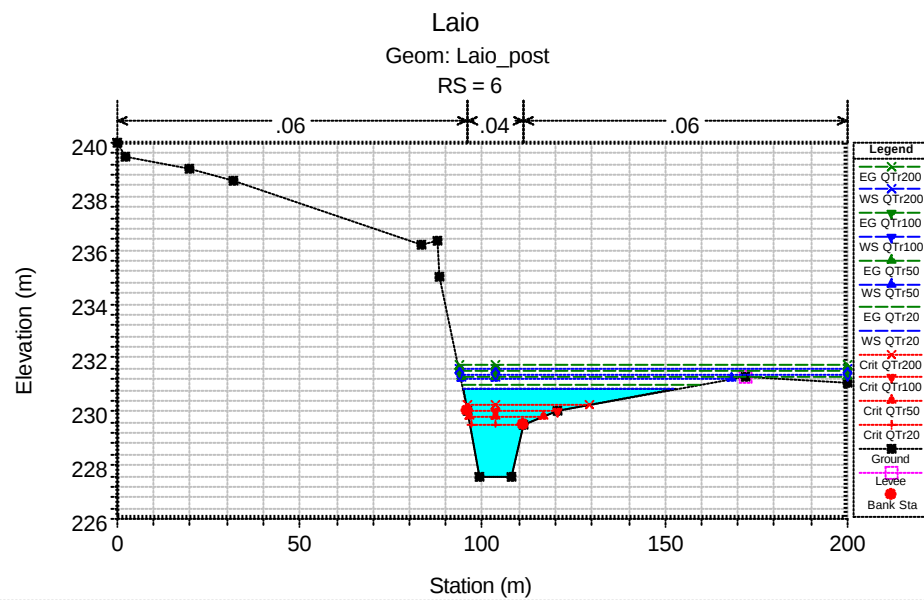
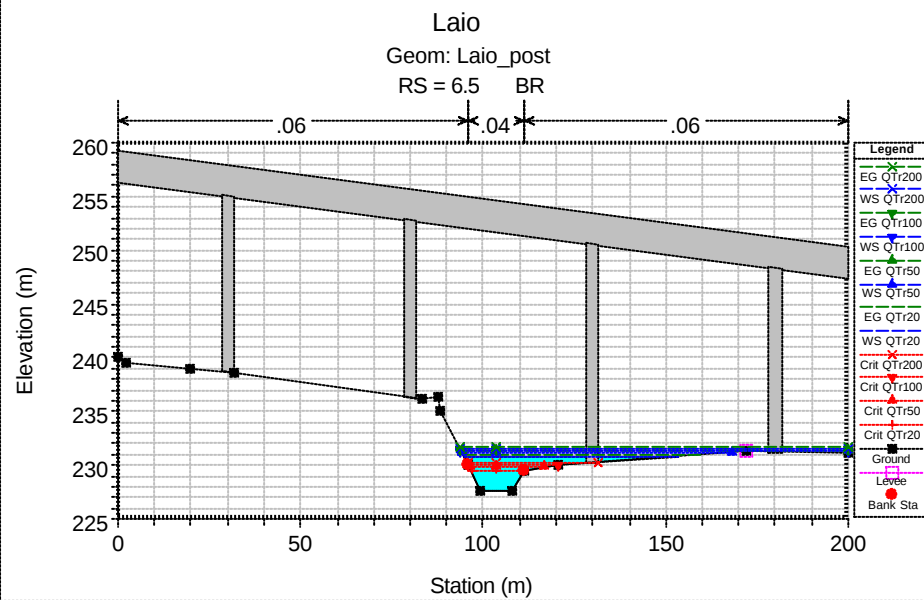
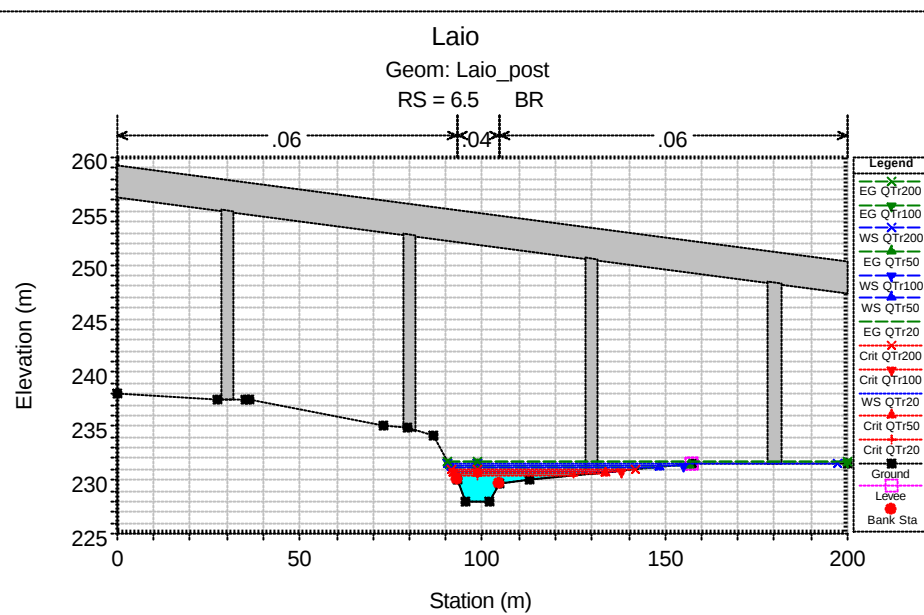
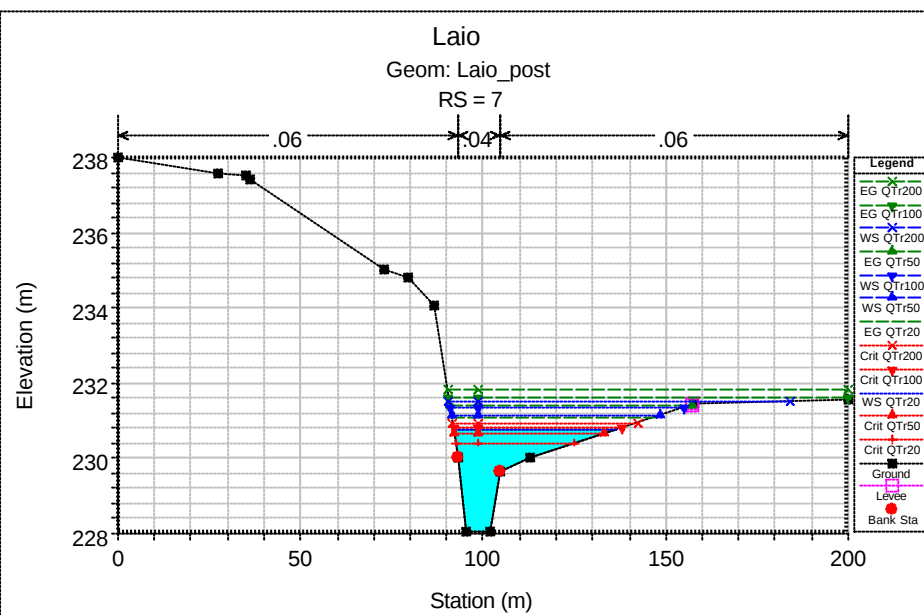


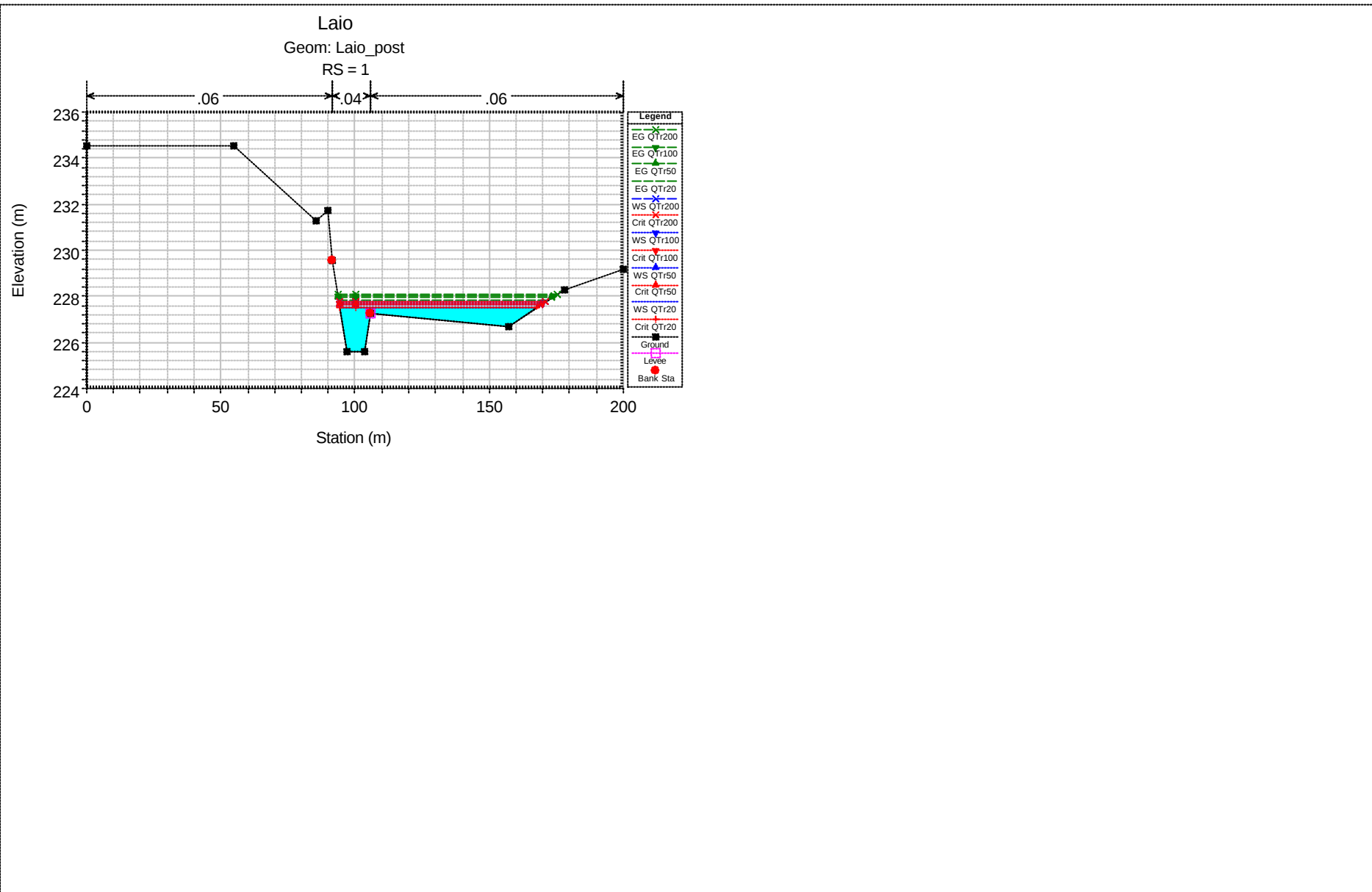












HEC-RAS Plan: Plan 02 River: Laio Reach: Laio

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Laio	23	QTr20	87.39	237.19	239.51	238.93	239.89	0.005431	2.73	33.32	24.94	0.62
Laio	23	QTr50	107.22	237.19	239.71	239.16	240.16	0.005826	2.99	39.63	33.67	0.65
Laio	23	QTr100	122.30	237.19	239.84	239.36	240.34	0.006159	3.17	44.19	37.41	0.67
Laio	23	QTr200	137.38	237.19	239.97	239.60	240.50	0.006338	3.32	49.22	41.16	0.69
Laio	22	QTr20	87.39	236.84	239.37	238.58	239.64	0.003504	2.35	43.65	31.50	0.50
Laio	22	QTr50	107.22	236.84	239.71	238.91	239.89	0.002650	2.09	81.36	102.87	0.42
Laio	22	QTr100	122.30	236.84	239.91	239.08	240.06	0.002206	2.01	102.38	109.31	0.39
Laio	22	QTr200	137.38	236.84	240.09	239.23	240.22	0.001872	1.93	122.95	113.50	0.36
Laio	21	QTr20	87.39	236.55	238.58	238.58	239.27	0.015137	3.70	23.64	17.05	1.00
Laio	21	QTr50	107.22	236.55	238.80	238.80	239.57	0.014850	3.88	27.61	18.52	1.01
Laio	21	QTr100	122.30	236.55	238.99	238.99	239.78	0.013317	3.93	31.60	24.02	0.97
Laio	21	QTr200	137.38	236.55	239.14	239.14	239.96	0.012594	4.02	35.67	28.56	0.95
Laio	20	QTr20	87.39	235.98	237.68	237.72	238.47	0.016600	3.95	22.11	15.01	1.04
Laio	20	QTr50	107.22	235.98	237.92	237.97	238.80	0.015716	4.16	25.88	17.61	1.03
Laio	20	QTr100	122.30	235.98	238.04	238.18	239.03	0.016175	4.39	28.33	20.90	1.05
Laio	20	QTr200	137.38	235.98	238.18	238.38	239.23	0.016058	4.56	31.41	24.41	1.06
Laio	19	QTr20	87.39	234.82	237.11	236.67	237.56	0.007050	2.97	29.45	15.94	0.70
Laio	19	QTr50	107.22	234.82	237.38	236.90	237.89	0.007066	3.16	33.90	16.57	0.71
Laio	19	QTr100	122.30	234.82	237.53	237.07	238.11	0.007447	3.35	36.48	16.92	0.73
Laio	19	QTr200	137.38	234.82	237.68	237.23	238.31	0.007817	3.53	38.90	17.25	0.75
Laio	18	QTr20	87.39	234.26	237.18	236.81	237.30	0.001816	1.97	86.65	83.33	0.39
Laio	18	QTr50	107.22	234.26	237.56	236.92	237.64	0.001174	1.74	118.67	83.74	0.32
Laio	18	QTr100	122.30	234.26	237.77	237.00	237.85	0.001028	1.71	136.41	83.96	0.31
Laio	18	QTr200	137.38	234.26	237.97	237.07	238.04	0.000932	1.69	152.83	84.17	0.30
Laio	17	QTr20	87.39	233.94	236.24	236.24	237.04	0.012330	4.02	23.28	15.44	0.96
Laio	17	QTr50	107.22	233.94	236.35	236.35	237.40	0.014911	4.61	25.08	15.76	1.07
Laio	17	QTr100	122.30	233.94	236.75	236.75	237.65	0.010030	4.29	33.10	25.10	0.91
Laio	17	QTr200	137.38	233.94	236.98	236.98	237.85	0.008809	4.29	39.44	30.66	0.86

HEC-RAS Plan: Plan 02 River: Laio Reach: Laio (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Laio	16	QTr20	87.39	232.92	234.12	234.65	235.83	0.052605	5.79	15.10	14.04	1.78
Laio	16	QTr50	107.22	232.92	234.33	234.89	236.12	0.045867	5.92	18.10	14.56	1.70
Laio	16	QTr100	122.30	232.92	234.38	235.07	236.54	0.053733	6.52	18.75	14.67	1.84
Laio	16	QTr200	137.38	232.92	234.48	235.28	236.82	0.053585	6.77	20.29	14.93	1.85
Laio	15	QTr20	87.39	232.42	234.20	234.17	234.94	0.014527	3.81	22.94	14.67	0.97
Laio	15	QTr50	107.22	232.42	234.48	234.41	235.28	0.013489	3.97	27.02	15.22	0.95
Laio	15	QTr100	122.30	232.42	234.66	234.58	235.51	0.013005	4.10	30.09	20.37	0.94
Laio	15	QTr200	137.38	232.42	234.84	234.84	235.72	0.011910	4.17	34.76	30.01	0.92
Laio	14	QTr20	87.39	231.66	234.17		234.47	0.003882	2.51	38.60	22.72	0.53
Laio	14	QTr50	107.22	231.66	234.47		234.81	0.003881	2.68	46.22	28.63	0.54
Laio	14	QTr100	122.30	231.66	234.68		235.04	0.003796	2.77	52.84	33.09	0.54
Laio	14	QTr200	137.38	231.66	234.87	234.02	235.25	0.003760	2.85	59.38	36.97	0.54
Laio	13	QTr20	87.39	231.20	233.27	233.27	234.08	0.015249	3.99	21.89	13.98	1.01
Laio	13	QTr50	107.22	231.20	233.54	233.54	234.43	0.013935	4.17	26.08	16.45	0.98
Laio	13	QTr100	122.30	231.20	233.73	233.73	234.66	0.013376	4.30	29.28	18.10	0.97
Laio	13	QTr200	137.38	231.20	233.94	233.94	234.88	0.011942	4.34	33.54	22.99	0.93
Laio	12	QTr20	87.39	230.04	232.94	232.01	233.26	0.003964	2.52	34.97	19.30	0.53
Laio	12	QTr50	107.22	230.04	233.18	232.27	233.57	0.004353	2.78	40.69	28.45	0.56
Laio	12	QTr100	122.30	230.04	233.33	232.45	233.77	0.004633	2.95	45.49	34.30	0.58
Laio	12	QTr200	137.38	230.04	233.47	232.63	233.95	0.004876	3.11	50.59	39.58	0.60
Laio	11	QTr20	87.39	230.00	232.10	232.10	232.88	0.013294	3.94	23.48	19.57	0.93
Laio	11	QTr50	107.22	230.00	232.43	232.43	233.20	0.011233	3.97	30.91	25.90	0.87
Laio	11	QTr100	122.30	230.00	232.63	232.63	233.40	0.010419	4.01	36.55	29.83	0.84
Laio	11	QTr200	137.38	230.00	232.81	232.81	233.58	0.009969	4.08	41.97	33.17	0.83
Laio	10	QTr20	87.39	229.10	231.43	230.60	231.61	0.002408	1.96	48.68	29.42	0.44
Laio	10	QTr50	107.22	229.10	231.72	230.79	231.91	0.002160	2.03	66.91	74.50	0.42
Laio	10	QTr100	122.30	229.10	231.92	230.91	232.11	0.001926	2.03	82.17	75.50	0.41

HEC-RAS Plan: Plan 02 River: Laio Reach: Laio (Continued)

Reach	River Sta		Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Laio	9		QTr20	87.39	228.76	231.05		231.43	0.005034	2.72	33.59	22.88	0.61
Laio	9		QTr50	107.22	228.76	231.30		231.73	0.005035	2.94	39.79	27.32	0.62
Laio	9		QTr100	122.30	228.76	231.45		231.93	0.005170	3.10	44.14	30.04	0.64
Laio	9		QTr200	137.38	228.76	231.63		232.13	0.004981	3.20	49.85	33.28	0.63
Laio	8		QTr20	87.39	228.31	230.83	230.50	231.17	0.004810	2.80	44.07	45.97	0.59
Laio	8		QTr50	107.22	228.31	231.19	230.75	231.48	0.003562	2.66	63.12	58.29	0.52
Laio	8		QTr100	122.30	228.31	231.40	230.90	231.67	0.003175	2.64	75.93	65.29	0.50
Laio	8		QTr200	137.38	228.31	231.63	231.03	231.87	0.002768	2.60	102.42	112.80	0.47
Laio	7		QTr20	87.39	228.06	230.76	230.39	231.10	0.004645	2.80	43.62	44.34	0.59
Laio	7		QTr50	107.22	228.06	231.14	230.66	231.43	0.003357	2.64	63.35	57.05	0.51
Laio	7		QTr100	122.30	228.06	231.36	230.81	231.62	0.003001	2.62	76.18	63.97	0.49
Laio	7		QTr200	137.38	228.06	231.51	230.95	231.82	0.003317	2.85	86.82	93.51	0.52
Laio	6.5	BR U	QTr20	87.39	228.06	230.76	230.39	231.09	0.004536	2.77	42.91	40.85	0.58
Laio	6.5	BR U	QTr50	107.22	228.06	231.15	230.67	231.42	0.003239	2.59	61.39	53.61	0.50
Laio	6.5	BR U	QTr100	122.30	228.06	231.36	230.81	231.61	0.002905	2.58	73.43	60.50	0.48
Laio	6.5	BR U	QTr200	137.38	228.06	231.53	230.94	231.79	0.002770	2.62	86.00	99.37	0.48
Laio	6.5	BR D	QTr20	87.39	227.60	230.81	229.53	230.97	0.001549	1.83	63.28	54.86	0.35
Laio	6.5	BR D	QTr50	107.22	227.60	231.19	229.80	231.32	0.001296	1.82	86.51	70.41	0.33
Laio	6.5	BR D	QTr100	122.30	227.60	231.39	230.00	231.53	0.001206	1.83	107.35	99.07	0.32
Laio	6.5	BR D	QTr200	137.38	227.60	231.57	230.27	231.70	0.001131	1.84	125.10	99.36	0.31
Laio	6		QTr20	87.39	227.60	230.81	229.53	230.96	0.001580	1.84	64.98	58.13	0.36
Laio	6		QTr50	107.22	227.60	231.18	229.80	231.32	0.001308	1.83	89.63	73.80	0.33
Laio	6		QTr100	122.30	227.60	231.38	230.00	231.52	0.001281	1.88	110.55	106.05	0.33
Laio	6		QTr200	137.38	227.60	231.57	230.22	231.70	0.001139	1.84	130.81	106.35	0.31
Laio	5		QTr20	87.39	227.37	229.84	229.82	230.68	0.013831	4.09	21.88	15.26	0.95
Laio	5		QTr50	107.22	227.37	230.17	230.17	231.04	0.011898	4.18	28.03	22.76	0.90
Laio	5		QTr100	122.30	227.37	230.45	230.45	231.27	0.009791	4.11	35.46	31.13	0.84
Laio	5		QTr200	137.38	227.37	230.66	230.66	231.45	0.008739	4.10	42.80	37.59	0.80

HEC-RAS Plan: Plan 02 River: Laio Reach: Laio (Continued)

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Laio	4	QTr20	87.39	227.04	229.29	229.14	229.99	0.012148	3.73	23.43	13.29	0.90
Laio	4	QTr50	107.22	227.04	229.50	229.41	230.34	0.013263	4.08	26.27	13.82	0.94
Laio	4	QTr100	122.30	227.04	229.49	229.60	230.60	0.017279	4.66	26.26	13.81	1.08
Laio	4	QTr200	137.38	227.04	229.69	229.78	230.83	0.016435	4.73	29.05	14.32	1.06
Laio	3	QTr20	87.39	226.59	228.55	228.55	229.32	0.015003	3.87	22.57	14.68	1.00
Laio	3	QTr50	107.22	226.59	228.80	228.80	229.65	0.014661	4.08	26.30	15.48	1.00
Laio	3	QTr100	122.30	226.59	228.87	228.87	228.96	0.002725	1.79	112.60	102.20	0.43
Laio	3	QTr200	137.38	226.59	228.87	228.87	228.98	0.003438	2.01	112.60	102.20	0.49
Laio	2	QTr20	87.39	226.01	227.74	227.96	228.41	0.020633	4.19	35.53	70.41	1.13
Laio	2	QTr50	107.22	226.01	227.77	228.05	228.66	0.027468	4.89	37.63	70.83	1.31
Laio	2	QTr100	122.30	226.01	228.20	228.12	228.48	0.008144	3.06	69.06	76.92	0.74
Laio	2	QTr200	137.38	226.01	228.29	228.18	228.57	0.007973	3.10	75.96	78.20	0.73
Laio	1	QTr20	87.39	225.57	227.52	227.52	227.82	0.008910	2.98	51.22	73.58	0.76
Laio	1	QTr50	107.22	225.57	227.62	227.62	227.94	0.009773	3.21	58.14	74.91	0.80
Laio	1	QTr100	122.30	225.57	227.69	227.69	228.03	0.010222	3.35	63.30	75.89	0.82
Laio	1	QTr200	137.38	225.57	227.75	227.75	228.11	0.010715	3.50	67.95	76.77	0.84