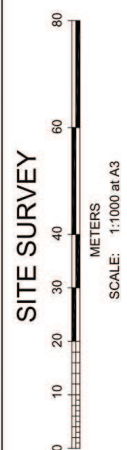
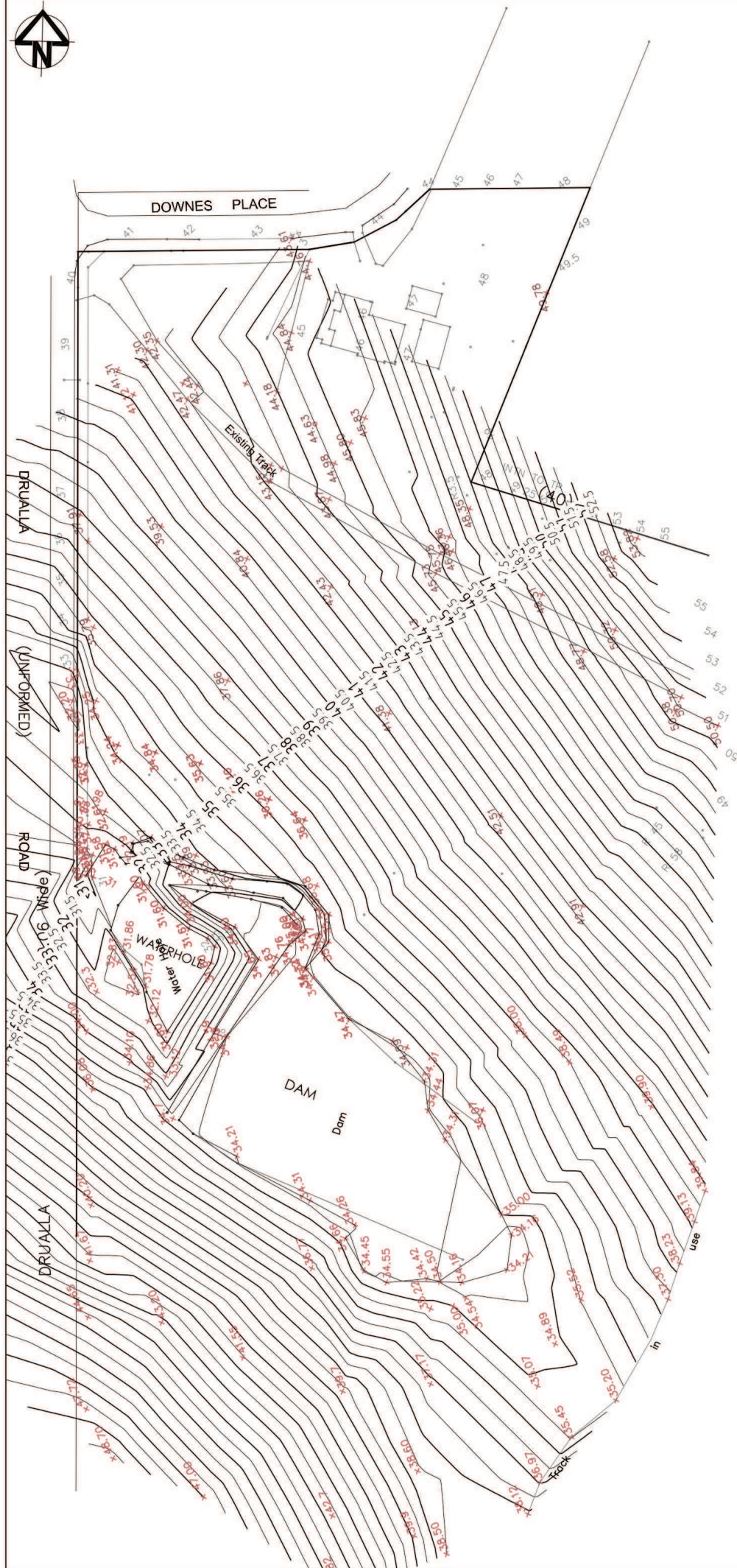

APPENDIX A SITE SURVEY

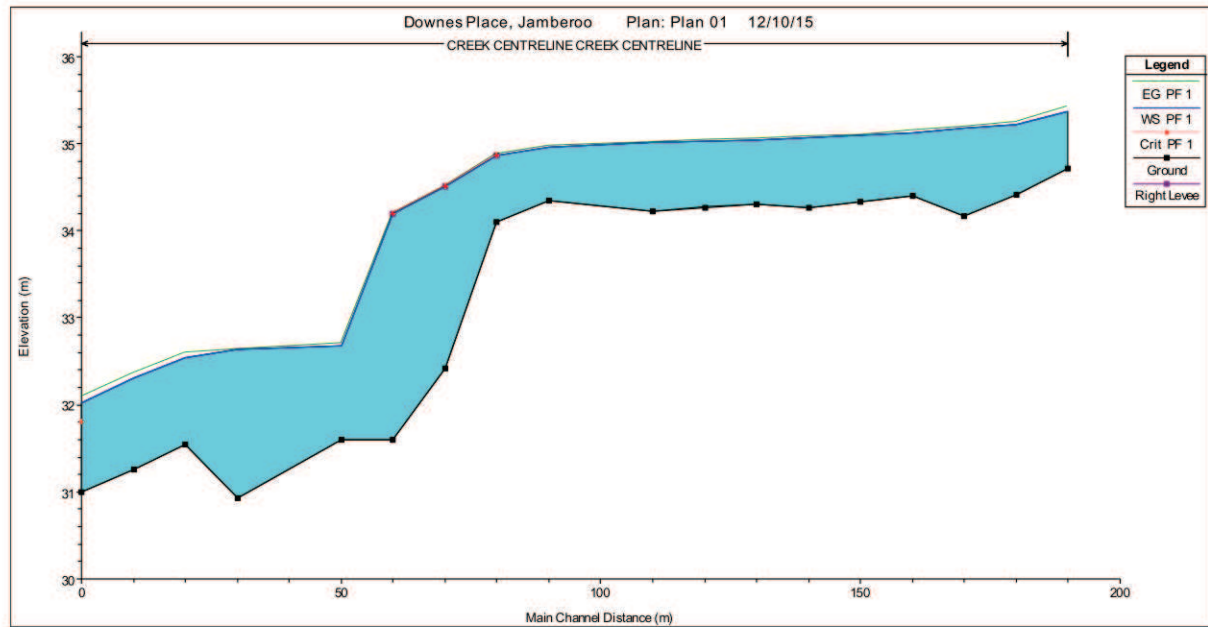
[illegible]

APPENDIX B

HEC-RAS RESULTS

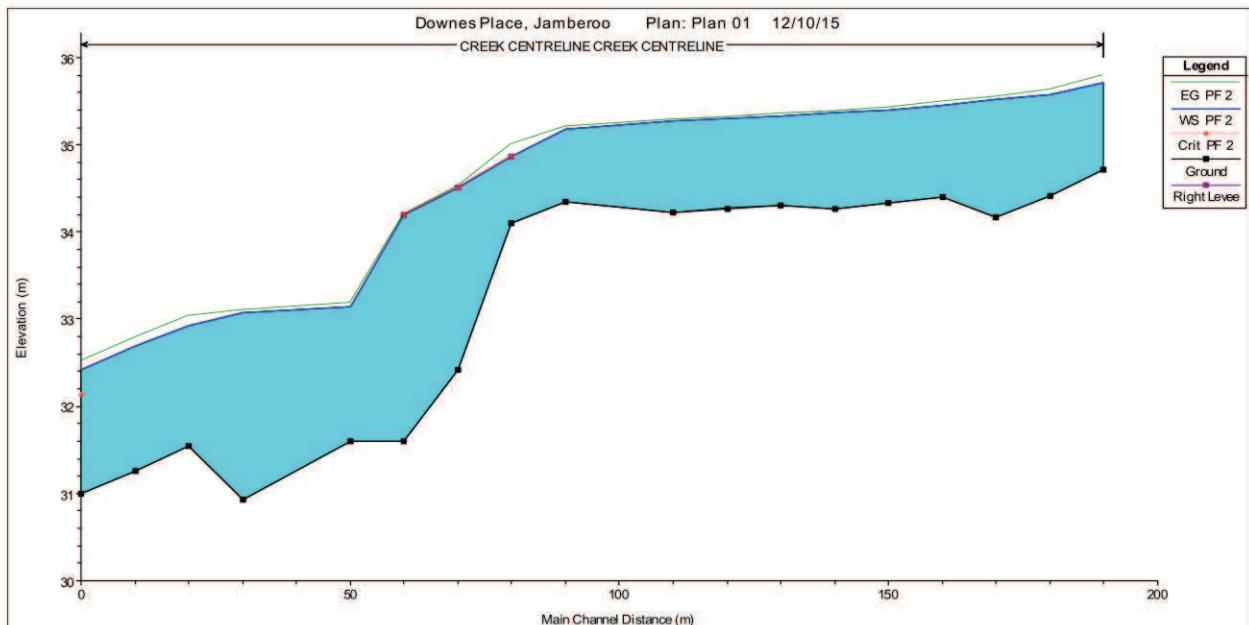
1% AEP Results

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
CREEK CENTRELINE	190	PF 1	11.01	34.71	35.38		35.43	0.028224	1.04	10.57	25.27	0.51
CREEK CENTRELINE	180	PF 1	11.01	34.41	35.22		35.25	0.012035	0.77	14.36	28.69	0.35
CREEK CENTRELINE	170	PF 1	11.01	34.17	35.19		35.20	0.002420	0.44	25.05	34.63	0.16
CREEK CENTRELINE	160	PF 1	11.01	34.40	35.13		35.15	0.009536	0.65	16.99	36.76	0.30
CREEK CENTRELINE	150	PF 1	11.01	34.33	35.09		35.10	0.002725	0.42	26.43	43.32	0.17
CREEK CENTRELINE	140	PF 1	11.01	34.26	35.07		35.08	0.001879	0.37	29.83	44.37	0.14
CREEK CENTRELINE	130	PF 1	11.01	34.30	35.05		35.06	0.002342	0.39	28.58	47.01	0.16
CREEK CENTRELINE	120	PF 1	11.01	34.27	35.03		35.04	0.001780	0.33	32.95	54.66	0.14
CREEK CENTRELINE	110	PF 1	11.01	34.22	35.01		35.02	0.001641	0.32	34.38	57.17	0.13
CREEK CENTRELINE	90	PF 1	12.19	34.35	34.96		34.97	0.003996	0.43	28.04	57.50	0.20
CREEK CENTRELINE	80	PF 1	12.19	34.10	34.86	34.86	34.89	0.025090	0.71	17.16	66.49	0.45
CREEK CENTRELINE	70	PF 1	12.19	32.42	34.51	34.51	34.51	0.000146	0.16	77.13	59.33	0.04
CREEK CENTRELINE	60	PF 1	12.19	31.61	34.19	34.19	34.19	0.000094	0.14	85.89	55.58	0.04
CREEK CENTRELINE	50	PF 1	12.19	31.60	32.68		32.70	0.005621	0.61	19.87	31.04	0.24
CREEK CENTRELINE	30	PF 1	12.19	30.93	32.63		32.64	0.001739	0.42	28.72	32.32	0.14
CREEK CENTRELINE	20	PF 1	12.19	31.54	32.54		32.59	0.020220	1.05	11.56	21.10	0.45
CREEK CENTRELINE	10	PF 1	12.19	31.25	32.31		32.37	0.024907	1.10	11.08	22.19	0.50
CREEK CENTRELINE	0	PF 1	12.19	31.00	32.03	31.81	32.10	0.030001	1.18	10.34	21.49	0.54

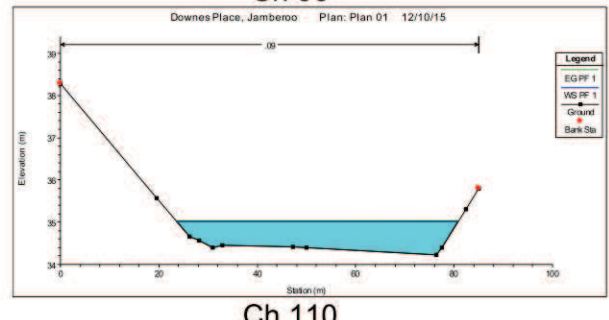
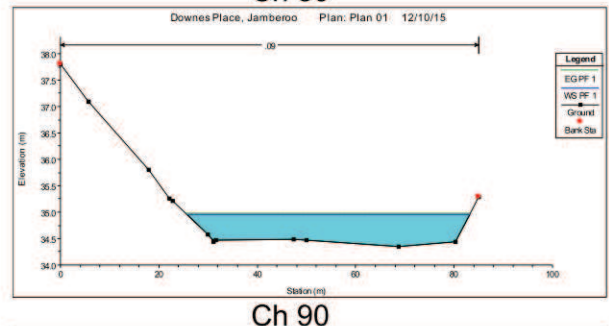
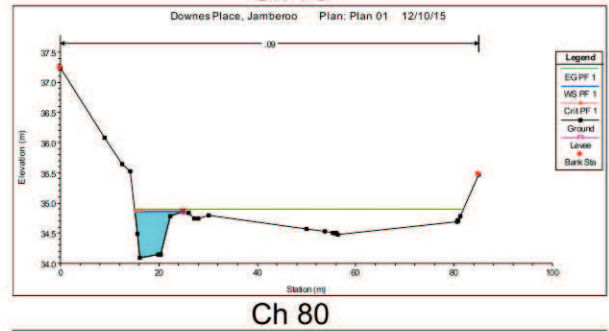
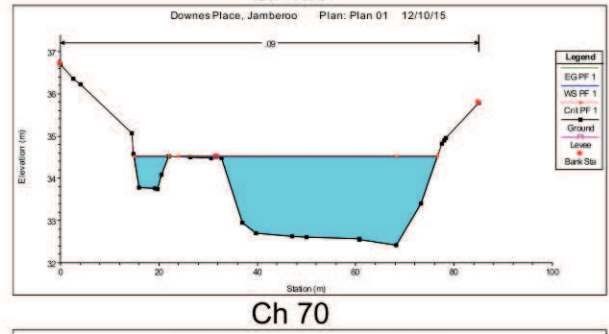
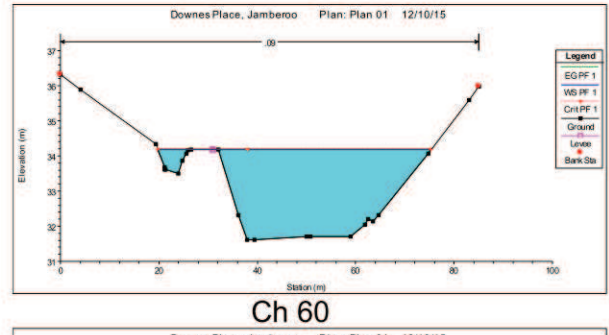
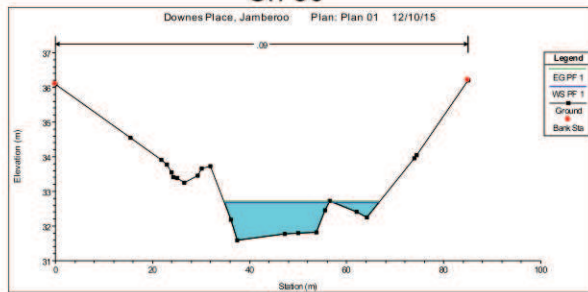
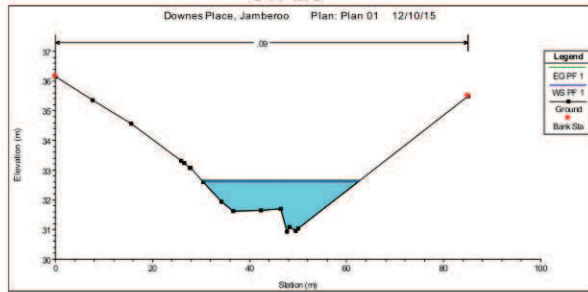
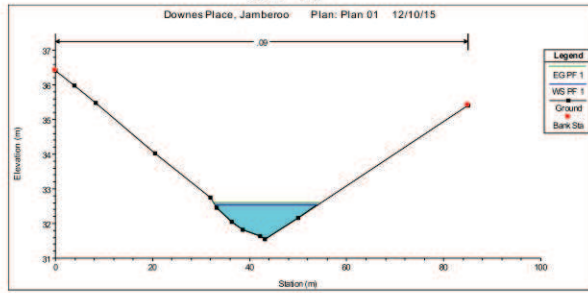
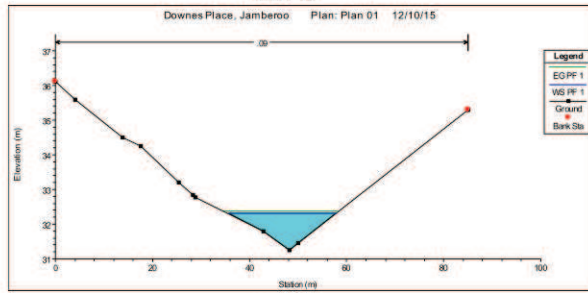
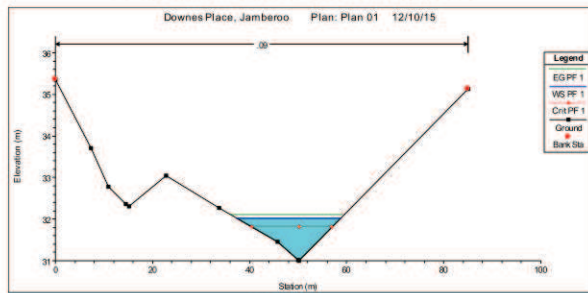


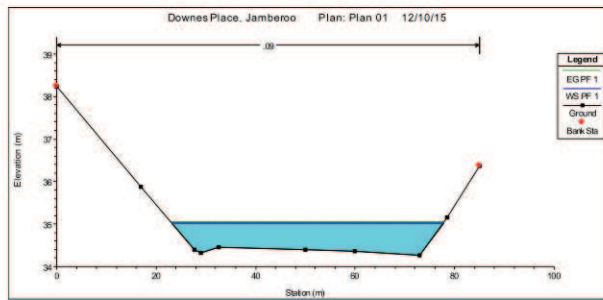
PMF Results

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)	
CREEK CENTRELINE	190	PF 2	25.66	34.71	35.72		35.80	0.023357	1.25	20.48	32.21	0.50
CREEK CENTRELINE	180	PF 2	25.66	34.41	35.57		35.62	0.012286	1.00	25.76	35.33	0.37
CREEK CENTRELINE	170	PF 2	25.66	34.17	35.53		35.55	0.004076	0.67	38.01	40.82	0.22
CREEK CENTRELINE	160	PF 2	25.66	34.40	35.45		35.49	0.009710	0.87	29.64	42.08	0.33
CREEK CENTRELINE	150	PF 2	25.66	34.33	35.40		35.42	0.004014	0.63	40.59	47.55	0.22
CREEK CENTRELINE	140	PF 2	25.66	34.26	35.37		35.39	0.003232	0.59	43.74	48.74	0.20
CREEK CENTRELINE	130	PF 2	25.66	34.30	35.33		35.35	0.003794	0.60	42.55	51.33	0.21
CREEK CENTRELINE	120	PF 2	25.66	34.27	35.30		35.32	0.002928	0.53	48.38	58.24	0.19
CREEK CENTRELINE	110	PF 2	25.66	34.22	35.28		35.29	0.002800	0.52	49.78	60.51	0.18
CREEK CENTRELINE	90	PF 2	29.15	34.35	35.18		35.20	0.007072	0.71	40.85	61.09	0.28
CREEK CENTRELINE	80	PF 2	29.15	34.10	34.87	34.87	35.01	0.124755	1.63	17.90	66.57	1.00
CREEK CENTRELINE	70	PF 2	29.15	32.42	34.51	34.51	34.52	0.000833	0.38	77.13	59.33	0.11
CREEK CENTRELINE	60	PF 2	29.15	31.61	34.19	34.19	34.20	0.000535	0.34	85.89	55.58	0.09
CREEK CENTRELINE	50	PF 2	29.15	31.60	33.15		33.18	0.005583	0.82	35.58	35.76	0.26
CREEK CENTRELINE	30	PF 2	29.15	30.93	33.08		33.10	0.002923	0.66	44.44	38.44	0.19
CREEK CENTRELINE	20	PF 2	29.15	31.54	32.93		33.03	0.022506	1.38	21.16	27.99	0.51
CREEK CENTRELINE	10	PF 2	29.15	31.25	32.70		32.79	0.024707	1.36	21.51	31.32	0.52
CREEK CENTRELINE	0	PF 2	29.15	31.00	32.42	32.13	32.52	0.030022	1.41	20.64	32.69	0.57

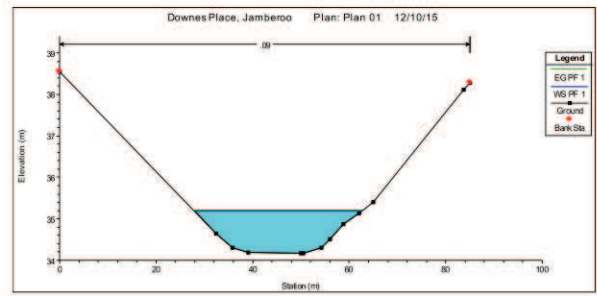


1% AEP Cross Sections

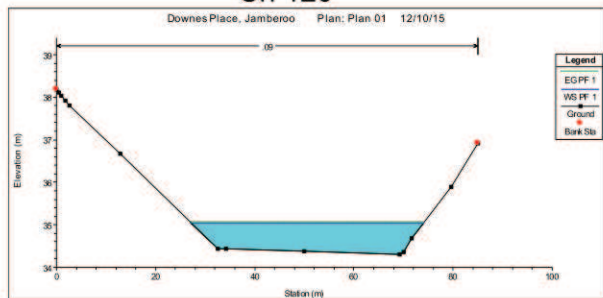




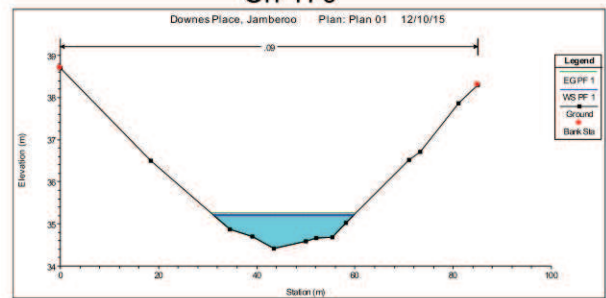
Ch 120



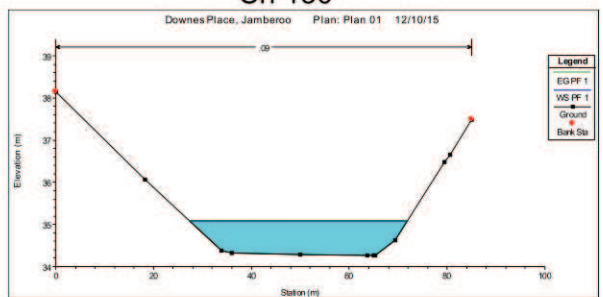
Ch 170



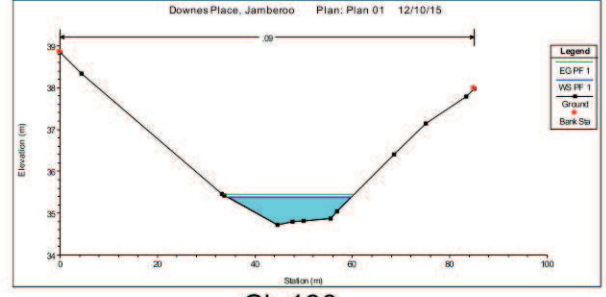
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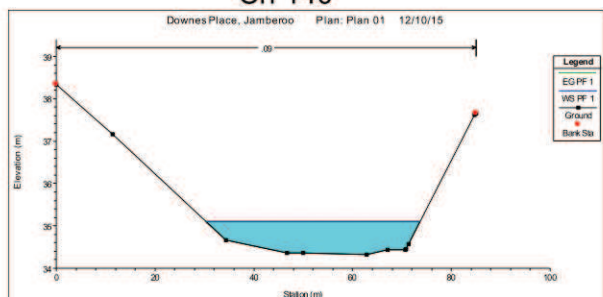
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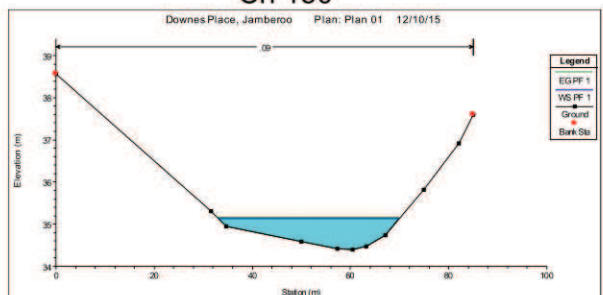
Ch 140



Ch 190

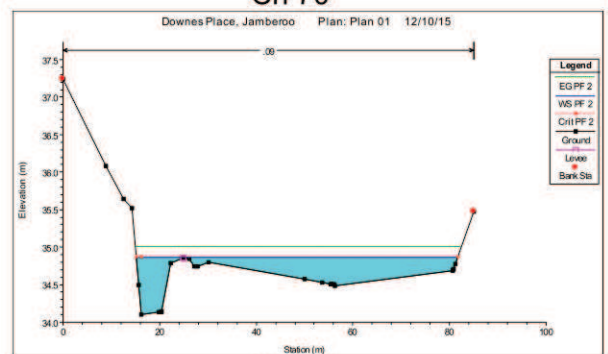
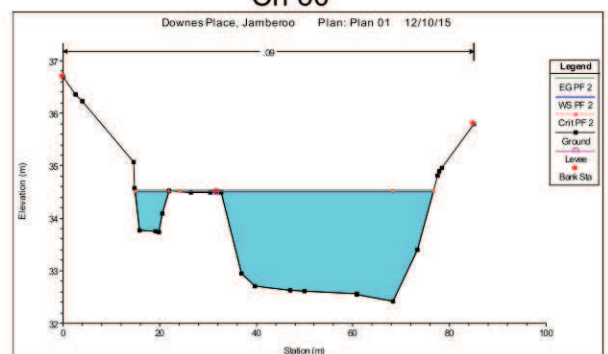
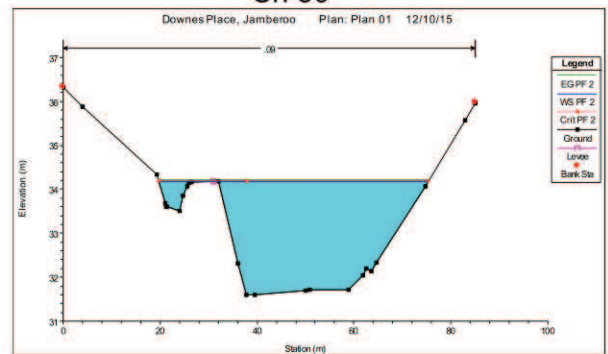
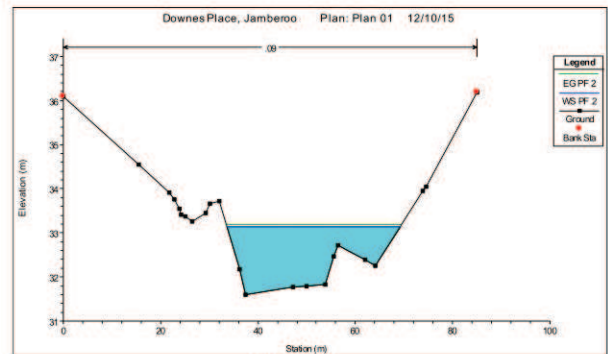
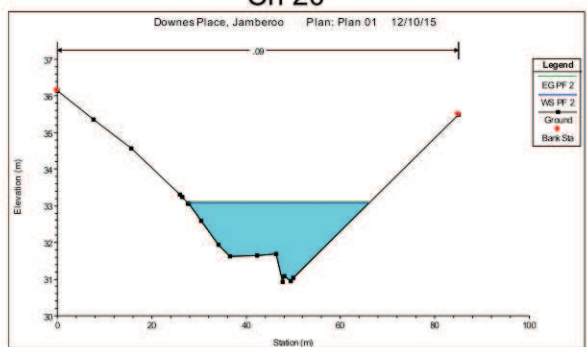
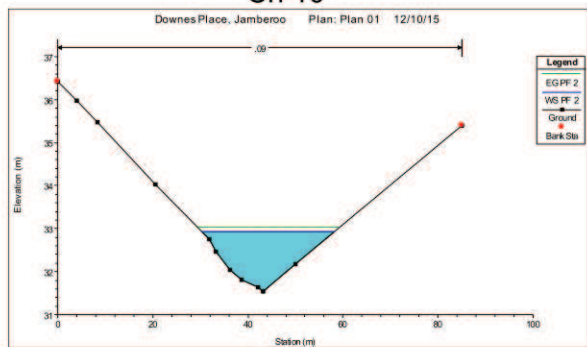
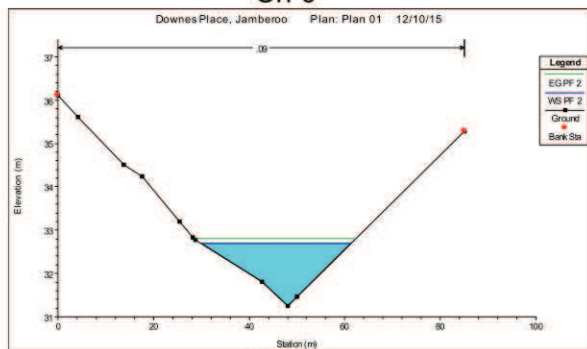
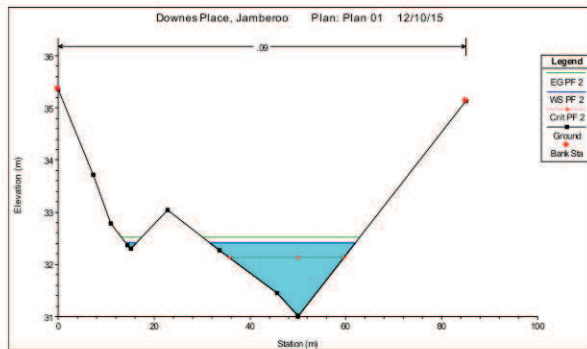


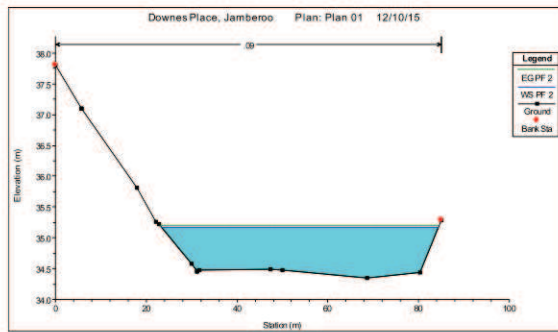
Ch 150



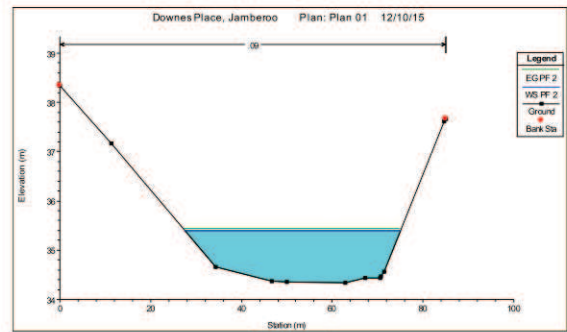
Ch 160

PMF Cross Sections

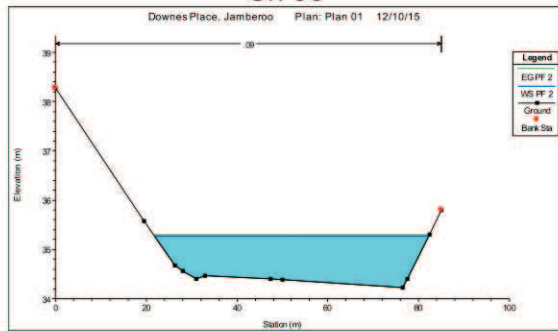




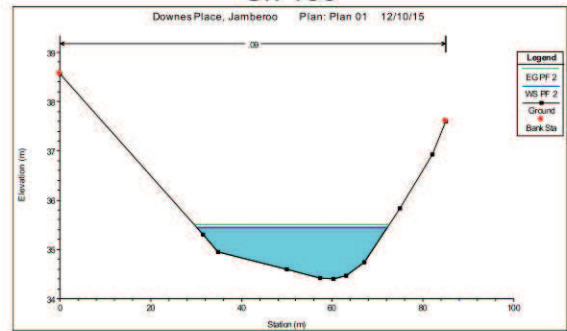
Ch 90



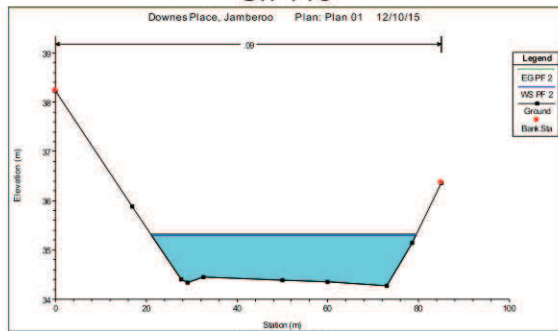
Ch 150



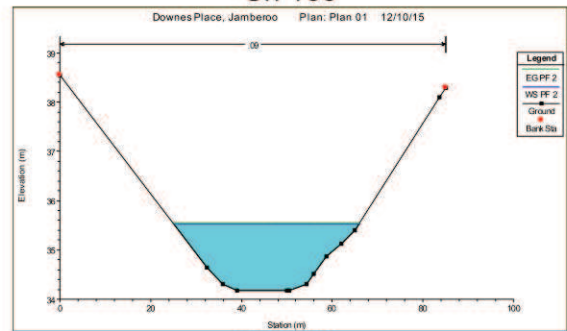
Ch 110



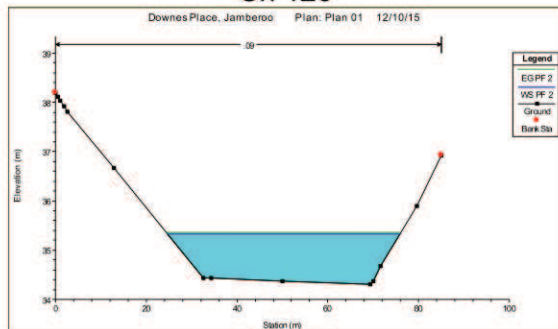
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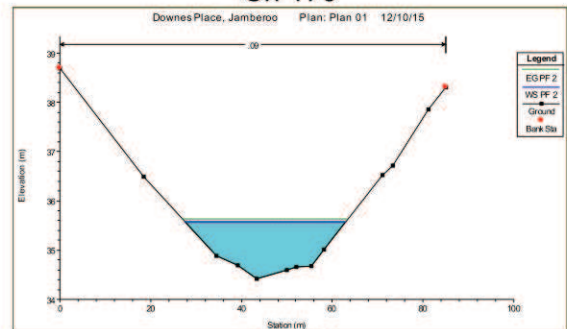
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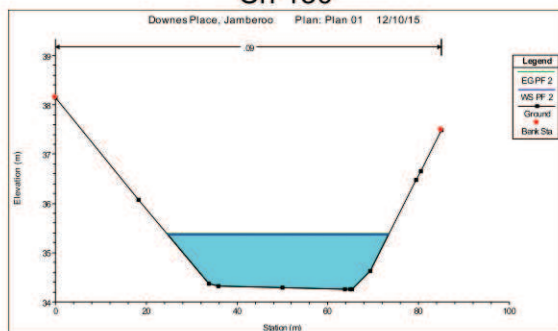
Ch 170



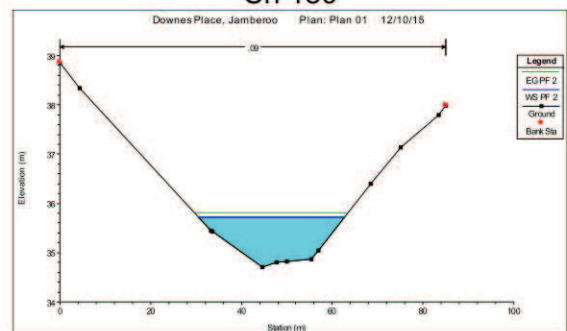
Ch 130



Ch 180



Ch 140



Ch 190