

Table A3: Revised 'n' values: comparison of future conditions 100 year event

i) Existing conditions (unrevised):		ii) Future conditions:					iii) Future conditions revised Dec.09:					iv) Future conditions revised Dec.09:					WSEL difference							
(original files received Nov.09)		(unchanged from original files received Nov.09):					1. channel/overbank 'n' values revised to match ex. i)					1. channel/overbank 'n' values revised to match ex. i)					Fut. iv) - Ex i)							
		2. 'n' values at bridge faces generally higher than i)										2. 'n' values at bridge faces revised to match ex. i)												
i) HEC-RAS Plan: 100-FCDP-EX Profile: Max WS						ii) HEC-RAS Plan: 100FCDP-FUT2 Profile: Max WS						iii) HEC-RAS Plan: Plan 14 Profile: Max WS						iv) HEC-RAS Plan: Plan 11 Profile: Max WS						
Reach	Q Total	W.S. Elev	Q peak	Time to peak		River Sta	Q Total	W.S. Elev	Q peak	Time to peak		River Sta	Q Total	W.S. Elev	Q peak	Time to peak		Reach	Q Total	W.S. Elev	Q peak	Time to peak		Fut. iv) - Ex i)
	(m3/s)	(m)	(m3/s)	hr:min	hr:min		(m3/s)	(m)	(m3/s)	hr:min	hr:min		(m3/s)	(m)	(m3/s)	hr:min	hr:min		(m3/s)	(m)	(m3/s)	hr:min	hr:min	
44953	9.46	94.97	13.58	7:00	9:10	44953	11.19	94.94	13.47	7:10	8:30	44953	10.82	94.96	13.47	7:10	8:40	44953	11.25	94.81	13.47	7:10	8:30	-0.16
44890	9.45	94.96				44890	11.16	94.94				44890	10.79	94.96				44890	11.23	94.81				-0.15
44751	9.43	94.96				44751	11.13	94.94				44751	10.74	94.96				44751	11.19	94.80				-0.16
44548	16.09	94.95				44548	17.87	94.92				44548	17.42	94.95				44548	17.96	94.78				-0.17
44325	17.06	94.92	17.06	9:10	9:10	44325	18.95	94.91	18.97	8:40	8:30	44325	18.43	94.93	18.44	8:50	8:40	44325	19.04	94.76	19.99	7:00	8:30	-0.16
44324 H Culvert						44324 H Bridge						44324 H Bridge						44324 H Bridge						
44302	16.33	94.54	17.06	9:10	9:50	44302	18.92	94.70	18.98	8:40	8:30	44302	18.43	94.77	18.45	8:50	8:40	44302	18.98	94.71	19.86	7:00	8:30	0.17
						44218	18.92	94.71				44218	18.43	94.77				44218	18.98	94.71				
						44193	18.91	94.71				44193	18.42	94.77				44193	18.98	94.71				
44153	16.45	94.54				44153	18.92	94.71				44153	18.41	94.77				44153	18.96	94.71				0.17
						44093	18.9	94.71				44093	18.42	94.77				44093	18.97	94.71				
						44068	18.91	94.71				44068	18.4	94.77				44068	18.97	94.71				
						44044.2	18.9	94.71				44044.2	18.38	94.77				44044.2	18.94	94.71				
						44013.6	18.9	94.71				44013.6	18.38	94.77				44013.6	18.94	94.71				
43966	16.41	94.54				43966	18.89	94.71				43966	18.4	94.77				43966	18.94	94.71				0.17
						43954	20.93	94.71				43954	20.22	94.77				43954	20.97	94.71				
						43946	20.93	94.71				43946	20.22	94.77				43946	20.96	94.71				
						43938	20.92	94.71				43938	20.24	94.77				43938	20.97	94.71				
						43852	20.92	94.70				43852	20.17	94.77				43852	20.94	94.70				
						43822	20.9	94.70				43822	20.17	94.77				43822	20.95	94.70				
						43813	20.9	94.70				43813	20.15	94.77				43813	20.93	94.70				
43764	17.53	94.53				43764	20.9	94.70				43764	20.12	94.77				43764	20.91	94.70				0.17
43582	17.74	94.52				43582	21.43	94.70				43582	20.54	94.76				43582	21.46	94.70				0.18
						43572.4	21.48	94.70				43572.4	20.5	94.76				43572.4	21.43	94.70				
43375	18.06	94.44	18.18	10:40	9:50	43375	21.87	94.68	25.38	9:20	8:20	43375	21.18	94.74	24.16	9:30	8:40	43375	21.52	94.67	25.14	9:20	8:20	0.23
43370 M Culvert						43370 M Bridge						43370 M Bridge						43370 M Bridge						0.00
43364	18.06	94.43	18.18	10:40	9:50	43364	19.93	94.63	25.44	9:20	8:10	43364	20.45	94.71	24.21	9:30	8:20	43364	19.7	94.64	25.19	9:20	8:10	0.21
43223	18.03	94.44				43223	20.52	94.65				43223	20.53	94.71				43223	20.12	94.64				0.20
						43180.6	20.52	94.65				43180.6	20.53	94.71				43180.6	20.17	94.64				
43173	18.02	94.44				43173	20.57	94.65				43173	20.49	94.71				43173	20.17	94.64				0.20
						43163.8	40.68	94.64				43163.8	38.69	94.71				43163.8	41.07	94.64				
						43100	40.67	94.64				43100	38.68	94.71				43100	41.06	94.64				
43072	34.55	94.43				43072	40.67	94.64				43072	38.67	94.71				43072	41.05	94.64				0.21
						42975	40.83	94.64				42975	38.81	94.70				42975	41.23	94.63				
						42970.1	40.83	94.64				42970.1	38.81	94.70				42970.1	41.23	94.63				
42890	34.51	94.36	34.57	9:40	9:50	42890	45.63	94.63				42890	43.14	94.69				42890	46.19	94.62				0.26
						42889	45.62	94.61	47.53	8:00	8:10	42889	43.13	94.67	43.30	8:00	8:20	42889	46.12	94.59	46.86	7:40	8:10	
42885 P ₂ Bridge						42885 P ₂ Bridge						42885 P ₂ Bridge						42885 P ₂ Bridge						0.16
42855	34.51	94.34	34.56	9:40	10:00	42855	45.33	94.32	45.70	8:00	8:20	42855	42.7	94.45	43.27	8:10	8:30	42855	45.97	94.50	46.80	7:40	8:20	0.18
42686	34.5	94.32				42686	45.37	94.32				42686	42.71	94.45				42686	45.99	94.50				
42558	34.5	94.29				42558	45.37	94.30				42558	42.7	94.43				42558	45.98	94.48				0.19
42410	34.85	94.25				42410	46.3	94.26				42410	43.51	94.39				42410	46.97	94.44				0.19
42212	34.86	94.23				42212	46.3	94.18				42212	43.45	94.33				42212	46.96	94.37				0.14
42182	34.84	94.18	34.86	10:00	10:00	42182	46.3	94.11	46.29	8:20	8:30	42182	43.41	94.26	43.55	8:30	8:40	42182	46.93	94.29	46.98	8:10	8:20	0.11
42172 H Bridge						42172 H Bridge						42172 H Bridge						42172 H Bridge						
42154	34.84	94.13	34.86	10:00	10:00	42154	46.24	93.94	46.30	8:20	8:30	42154	42.73	94.15	43.55	8:30	9:00	42154	46.78	94.20	46.98	8:10	8:30	0.07
42134	34.84	94.11				42134	46.28	94.01				42134	43.18	94.19				42134	46.88	94.25				0.14
42124	34.8	94.08	34.87	10:10	9:50	42124	46.23	93.90	46.29	8:20	8:30	42124	41.56	94.10	43.51	8:30	9:20	42124	46.37	94.14	46.94	8:10	8:40	0.06
42119 H Bridge						42119 H Bridge						42119 H Bridge						42119 H Bridge						
42097	34.56	94.00	34.88	10:10	9:40	42097	41.23	93.73	46.29	8:20	9:50	42097	36.48	94.01	43.51	8:30	10:20	42097	42.61	94.02	46.94	8:10	9:20	0.02
42075	34.74	94.03				42075	44.35	93.83				42075	37.89	94.05				42075	41.37	94.08				0.05
						42036	44.35	93.83				42036	37.79	94.05				42036	41.19	94.08				
42002	34.74	94.02				42002	44.25	93.83				42002	37.67	94.04				42002	41.07	94.07				0.05
						41997.6	44.38	93.83				41997.6	37.77	94.04				41997.6	41.16	94.07				
						41970.1	44.36	93.83				41970.1	37.73	94.04				41970.						

