

Chichester SFRA
Table A - Flow Comparison

SFRA Hydraulic Model	Flow Node	SPR for cumulative catchment	Incremental FEH Rainfall Runoff Method flows from EA CFMP studies			Type of catchment	Cumulative FEH Rainfall Runoff Method flows from EA CFMP studies			Cumulative Automated FEH dataset flows supplied by CEH		
			Q20	Q100	Q1000		Q20	Q100	Q1000	Q25	Q100	Q1000
Aldingbourne	AL_01	30.3	0.3	0.5	0.8	Upstream	0.3	0.5	0.8	N/a	N/a	N/a
	AL_02	18.3	1.6	2.4	4.4	Tributary	1.6	2.4	4.4	1.8	2.3	3.4
	AL_03	17	0.8	1.2	2.0	Upstream	0.8	1.2	2.0	1.6	2.2	3.5
	AL_04	14.2	1.5	2.3	4.1	Upstream	1.5	2.3	4.1	N/a	N/a	N/a
	AL_05	26.1	3.2	4.9	9.0	Upstream	3.2	4.9	9.0	1.5	2.0	3.2
	AL_06	34	0.4	0.6	1.1	Tributary	0.4	0.6	1.1	N/a	N/a	N/a
	AL_08	34	0.3	0.4	0.8	Tributary	0.3	0.4	0.8	N/a	N/a	N/a
	AL_09	19.3	9.8	14.4	25.3	Incremental (d/s of AL_02, AL_03, AL_15, AL_16)	14.0	20.7	36.8	5.5	6.8	9.8
	AL_10	20.8	3.5	5.2	9.1	Incremental (d/s of AL_01, AL_09)	17.8	26.3	46.7	7.0	7.2	10.4
	AL_11	19.9	15.7	23.4	41.7	Incremental (d/s of AL_04, AL_05, AL_17, AL_18)	22.2	33.1	59.5	4.5	5.6	8.0
	AL_12	22.3	2.8	4.1	7.3	Incremental (d/s AL_11, AL_08)	25.3	37.7	67.6	6.3	8.1	11.8
	AL_13	22.5	7.4	11.6	22.3	Incremental (d/s AL_10, AL_12)	50.5	75.6	136.6	15.3	19.4	27.8
	AL_14	22.7	2.0	3.1	5.8	Incremental (d/s AL_13)	52.5	78.6	142.3	15.6	19.7	28.3
	AL_15	14.6	1.0	1.5	2.8	Tributary	1.0	1.5	2.8	0.7	1.1	1.6
	AL_16	12	0.8	1.2	2.2	Tributary	0.8	1.2	2.2	N/a	N/a	N/a
	AL_17	24.8	0.6	0.8	1.3	Tributary	0.6	0.8	1.3	1.6	2.4	3.5
	AL_18	9.8	1.2	1.8	3.5	Tributary	1.2	1.8	3.5	1.1	1.9	2.9
	Bosham	B_01	13.8	1.1	1.7	3.3	Upper catchment	1.1	1.7	3.3	1.1	1.4
B_02		20.2	2.4	3.7	7.1	Upper catchment	2.4	3.7	7.1	0.9	1.2	1.7
B_03		16.3	0.5	0.7	1.3	Incremental (d/s of B_01 and B_02)	3.9	6.1	11.7	2.1	2.6	3.8
B_04		17.1	0.8	1.2	2.3	Incremental (d/s of B_03)	4.7	7.4	14.0	2.3	3.0	4.3
B_05		35	0.8	1.2	2.2	Tributary	0.8	1.2	2.2	N/a	N/a	N/a
B_06		33.6	0.5	0.7	1.4	Tributary	0.5	0.7	1.4	N/a	N/a	N/a
Emsworth	EMS_01	6.6	1.4	2.6	6.0	Upper catchment	1.4	2.6	6.0	2.6	3.4	4.9
	EMS_02	16.3	0.7	1.2	2.2	Upper catchment	0.7	1.2	2.2	1.1	1.4	2.1
	EMS_03	9.3	1.9	2.9	5.2	Incremental (d/s of EMS_01 and EMS_02)	4.1	6.6	13.4	3.1	4.0	5.9
	EMS_04	10.3	2.1	3.2	5.9	Incremental (d/s of EMS_03)	6.2	9.9	19.2	3.6	4.6	6.7
East Wittering	EW_01	25.3	0.3	0.4	0.9	Upper catchment	N/a	N/a	N/a	N/a	N/a	N/a
	EW_02	25.3	0.4	0.6	1.1	Incremental (d/s of EW_01)	N/a	N/a	N/a	N/a	N/a	N/a
	EW_03	25.3	0.4	0.6	1.1	Upper catchment	N/a	N/a	N/a	N/a	N/a	N/a
	EW_04	25.3	0.3	0.5	0.9	Upper catchment	N/a	N/a	N/a	N/a	N/a	N/a
	EW_05	25.3	0.4	0.7	1.3	Incremental (d/s of EW_03 and EW_04)	N/a	N/a	N/a	N/a	N/a	N/a
	EW_06	25.3	0.3	0.4	0.8	Incremental (d/s of EW_03 - EW_05)	N/a	N/a	N/a	N/a	N/a	N/a
	EW_07	25.3	0.3	0.5	1.0	Incremental (d/s of EW_01- EW_06)	N/a	N/a	N/a	N/a	N/a	N/a
River Lavant	RL_01	6.3	1.6	3.1	7.6	Upper catchment	1.6	3.1	7.6	1.6	2.0	3.0
	RL_02	6.6	2.0	3.4	7.3	Incremental (d/s of RL_01)	3.6	6.5	14.9	2.0	2.5	3.7
	RL_03	7.3	1.9	2.9	5.3	Incremental (d/s of RL_02)	5.4	9.4	20.2	2.2	2.8	4.2
	RL_04	7.8	0.5	0.8	1.5	Incremental (d/s of RL_03)	6.0	10.2	21.7	2.5	3.1	4.6
	RL_05	7.9	0.2	0.3	0.6	Incremental (d/s of RL_04)	6.1	10.5	22.3	2.5	3.2	4.7
	RL_06	8.3	0.4	0.7	1.4	Incremental (d/s of RL_05)	6.6	11.1	23.7	2.8	3.5	5.0
	RL_07	21	0.3	0.4	0.8	Upper catchment	0.3	0.4	0.8	N/a	N/a	N/a
	RL_08	27.8	0.6	1.0	1.8	Incremental (d/s of RL_07)	0.9	1.4	2.7	1.8	2.4	3.8
	RL_09	27.5	0.7	1.1	2.3	Upper catchment	0.7	1.1	2.3	0.4	0.5	0.8
	RL_10	28.3	0.6	0.9	1.7	Incremental (d/s of RL_09 and RL_08)	2.2	3.5	6.7	2.6	3.5	5.6
	RL_11	28.6	0.5	0.8	1.5	Incremental (d/s of RL_10)	2.7	4.3	8.1	3.4	4.6	7.4
	RL_12	26.1	0.1	0.1	0.3	Upper catchment	0.1	0.1	0.3	N/a	N/a	N/a
	RL_13	29.3	0.8	1.2	2.3	Incremental (d/s of RL_12)	0.9	1.4	2.6	2.7	3.7	6.0
Selsey	SEL_01	25.3	0.3	0.4	0.8	Upper catchment	N/a	N/a	N/a	N/a	N/a	N/a
	SEL_02	25.3	0.7	1.0	2.0	Incremental (d/s of SEL_01)	N/a	N/a	N/a	N/a	N/a	N/a
	SEL_03	25.3	0.9	1.3	2.5	Incremental (d/s of SEL_01 and SEL_02)	N/a	N/a	N/a	N/a	N/a	N/a
	SEL_04	25.3	0.5	0.7	1.4	Upper catchment	N/a	N/a	N/a	N/a	N/a	N/a
	SEL_05	25.3	0.5	0.7	1.4	Incremental (d/s of SEL_04)	N/a	N/a	N/a	N/a	N/a	N/a
	SEL_06	25.3	0.7	1.2	2.2	Upper catchment	N/a	N/a	N/a	N/a	N/a	N/a
	SEL_07	25.3	0.6	0.9	1.8	Incremental (d/s of SEL_04, SEL_05 and SEL_06)	N/a	N/a	N/a	N/a	N/a	N/a
	SEL_08	25.3	0.5	0.8	1.5	Incremental (d/s of SEL_04 - SEL_07)	N/a	N/a	N/a	N/a	N/a	N/a
	SEL_09	25.3	0.4	0.7	1.3	Incremental (d/s SEL_01 - SEL_08)	N/a	N/a	N/a	N/a	N/a	N/a
	SEL_10	25.3	0.4	0.6	1.1	Upper catchment	N/a	N/a	N/a	N/a	N/a	N/a
	SEL_11	25.3	0.7	1.1	2.1	Incremental (d/s SEL_10)	1.1	1.7	3.3	1.6	2.2	3.4
	SEL_12	25.3	0.5	0.8	1.5	Incremental (d/s SEL_10 and SEL_11)	1.6	2.5	4.7	2.0	2.7	4.3
	SEL_13	29.55	0.7	1.0	1.9	Tributary	0.7	1.0	1.9	N/a	N/a	N/a
	SEL_14	27.85	1.1	1.6	3.1	Incremental (d/s SEL_10 - SEL_12 and SEL_14)	3.3	5.2	9.7	N/a	N/a	N/a
	SEL_15	25.3	1.1	1.7	3.1	Tributary	N/a	N/a	N/a	N/a	N/a	N/a
	SEL_16	25.3	0.4	0.6	1.1	Incremental (d/s SEL_15)	N/a	N/a	N/a	N/a	N/a	N/a
Lower_Arun	LAR_01	38.6	2.0	3.1	5.8	Tributary	2.0	3.1	5.8	N/a	N/a	N/a
	LAR_02	31.9	2.7	4.0	7.0	Tributary	2.7	4.0	7.0	2.2	3.0	4.9
	LAR_03	38.2	1.1	1.6	3.0	Tributary	1.1	1.6	3.0	N/a	N/a	N/a
	LAR_04	35.6	0.5	0.8	1.5	Tributary	0.5	0.8	1.5	N/a	N/a	N/a
	LAR_05	33	0.6	0.9	1.5	Tributary	0.6	0.9	1.5	N/a	N/a	N/a
	LAR_06	18.1	10.0	15.3	28.4	Tributary	10.0	15.3	28.4	4.1	5.2	7.6
	LAR_07	29.1	0.4	0.5	1.0	Tributary	0.4	0.5	1.0	N/a	N/a	N/a
	LAR_08	16.6	14.5	22.2	41.3	Tributary	14.5	22.2	41.3	5.0	6.4	9.3
	LAR_09	21.7	1.4	2.2	4.1	Tributary	1.4	2.2	4.1	0.7	0.9	1.3
	LAR_10	26.4	0.5	0.7	1.2	Tributary	0.5	0.7	1.2	N/a	N/a	N/a
	LAR_11	7.4	0.9	1.6	3.2	Tributary	0.9	1.6	3.2	0.2	0.2	0.3
	LAR_12	6	0.6	1.0	2.2	Tributary	0.6	1.0	2.2	N/a	N/a	N/a
	LAR_13	5.3	0.6	1.0	2.2	Tributary	0.6	1.0	2.2	N/a	N/a	N/a
	LAR_14	6.1	0.8	1.3	2.8	Tributary	0.8	1.3	2.8	0.2	0.2	0.3
	LAR_15	6	1.4	2.4	5.0	Tributary	1.4	2.4	5.0	0.2	0.2	0.4
	LAR_16	8.1	0.5	0.8	1.6	Tributary	0.5	0.8	1.6	N/a	N/a	N/a
	LAR_17	14.1	0.5	0.7	1.4	Tributary	0.5	0.7	1.4	N/a	N/a	N/a
	LAR_18	5.6	0.8	1.3	2.8	Tributary	0.8	1.3	2.8	N/a	N/a	N/a
	LAR_19	6	0.3	0.6	1.2	Tributary	0.3	0.6	1.2	N/a	N/a	N/a
	LAR_20	8	0.2	0.4	0.8	Tributary	0.2	0.4	0.8	N/a	N/a	N/a
	LAR_21	19.7	0.7	1.0	1.9	Tributary	0.7	1.0	1.9	N/a	N/a	N/a
	LAR_22	11.3	0.9	1.5	2.9	Tributary	0.9	1.5	2.9	N/a	N/a	N/a
	LAR_23	24.3	3.2	4.9	8.9	Tributary	3.2	4.9	8.9	2.1	2.9	4.7
	LAR_24	16.7	2.5	3.8	7.1	Tributary	2.5	3.8	7.1	1.0	1.3	1.9
	LAR_25	14	0.8	1.2	2.3	Tributary	0.8	1.2	2.3	N/a	N/a	N/a
	LAR_26	29.2	6.7	10.0	17.8	Tributary	6.7	10.0	17.8	4.9	6.9	11.8
	LAR_27	26	1.5	2.2	3.9	Tributary	1.5	2.2	3.9	N/a	N/a	N/a
	LAR_28	20.3	1.9	3.0	5.5	Tributary	1.9	3.0	5.5	1.1	1.4	2.2
	LAR_29	18.6	0.9	1.4	2.5	Tributary	0.9	1.4	2.5	N/a	N/a	N/a
	LAR_30	19.8	18.0	27.1	49.4	Tributary	18.0	27.1	49.4	4.7	5.9	8.4
	LAR_31	25.1	2.8	4.2	7.5	Tributary	2.8	4.2	7.5	1.0	1.4	2.1
	LAR_32	14.8	1.1	1.8	3.3	Tributary	1.1	1.8	3.3	N/a	N/a	N/a
	LAR_33	20.8	0.5	0.8	1.4	Tributary	0.5	0.8	1.4	N/a	N/a	N/a
	LAR_34	44	3.3	4.8	8.3	Tributary	3.3	4.8	8.3	N/a	N/a	N/a
River Rother	RO_01	25.7	63.0	92.7	163.6	Upstream	63.0	92.7	163.6	60.6	80.9	128.3
	RO_02	25.6	49.9	73.9	131.7	Incremental (d/s RO_01)	112.8	166.7	295.3	77.5	100.6	151.5
	RO_03	38.3	36.6	53.5	93.3	Tributary	36.6	53.5	93.3	32.0	40.7	58.5
	RO_04	27.4	38.1	56.5	100.5	Incremental (d/s of RO_02, RO_03)	187.5	276.7	489.1	111.1	140.8	203.7
Upper Arun	UAR_01	43.4	13.3	19.8	35.2	Incremental (d/s UAR_02, UAR_03, UAR_04)	347.2	520.7	938.3	156.2</		