

TECHNICAL REPORT 03

Updated flooding and hydrology assessment

Appendix C Modelled catchment peak flows

NARROMINE TO NARRABRI PROJECT



Table C-1 Peak discharges and critical storm duartion estimated by hydrology models

Watercourse	N2N Chainage (km)	Name of Hydrology model	Catchment Area (km ²)	TUFLOW model Name	Name of Inflow in TUFLOW Model	20% AEP		10% AEP		5% AEP		2% AEP		1% AEP		0.5% AEP		1% AEP+CC		0.2% AEP		PMF	
						Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)
Yellow Creek	-	RORB4_ARFA	57	NFM	Inflow_8, 4E, 4H, 4P, 4T, 4U, 4V, 4O,	157	9	202	9	252	6	306	6	371	6	366	3	469	6	447	3	2,508	2
Wallaby Creek	554.00	RORB3_Run1_ARFA	131	NFM	Inflow_7, 3H, 3N,	224	12	295	12	348	12	420	12	480	12	610	12	640	12	772	12	5,123	3
Unnamed tributary of Backwater Cowal	556.20	RORB2_Run03_ARF_PointB	11	NFM	Inflow_6, 2AC, 2AD, 2AE,	21	9	26	6	32	6	40	5	48	5	60	5	62	5	74	3	383	3
Unnamed tributary of Backwater Cowal	557.00	RORB2_Run02_ARF_PointC	28	NFM	Inflow_4, Inflow_5, 2Y, 2AB,	47	9	62	6	77	6	92	6	110	6	136	5	141	5	166	5	1,005	3
Unnamed tributary of Backwater Cowal	557.40	RORB2_Run01_ARF_PointD	28	NFM	Inflow_3, 2W, 2AF,	44	9	56	6	70	6	83	6	100	6	124	6	128	6	152	6	901	3
Unnamed tributary of Backwater Cowal	560.25	RORB1_ARFD	6	NFM	1S, 1Y, 1AF, 1AG, 1AH,	24	2	33	2	40	2	54	2	63	2	74	1	83	2	95	1	378	1
Unnamed tributary of Backwater Cowal	561.11	RORB1_ARFC	34	NFM	Inflow_1, Inflow_2, 1O, 1R, 1W, 1X, 1Z, 1AA, 1AB, 1AC, 1AD, 1AE, 1A,	83	9	103	6	130	6	142	5	169	5	203	4	212	4	252	4	1,497	3
Macquarie River	562.35	MAC	25900	NFM		484	36			1,553	24	2,684	24	4,124	24	5,968	24	6,679	24	8,339	24	40,000	-
Unnamed tributary of Macquarie River	568.95	D17992	12	N2N14	D17992_A, D17992_B, D17992_C, D17992_D, D17992_E,	30	5	37	3	47	2	60	2	72	2	88	2	93	2	110	2	584	-
Unnamed tributary of Macquarie River	570.01	D20251	8	N2N14	D20251_D, D20251_E, D20251_A, D20251_B, D20251_C,	23	5	28	6	35	2	45	2	54	3	67	2	71	2	84	2	474	-
Unnamed tributary of Macquarie River	573.70	D23044	6	N2N14	D23044_A, D23044_D, D23044_B, D23044_E, D23044_C,	18	6	24	3	30	2	38	2	46	2	56	2	60	2	71	2	422	-
Unnamed tributary of Macquarie River	575.20	D24681	4	N2N14	D24681_A, D24681_B, D24681_C, D24681_D, D24681_E,	13	5	18	2	23	2	29	2	34	2	42	2	44	2	52	2	319	-
Unnamed tributary of Kookaburra Creek	576.70	D26082	7	N2N14	D26082_D, D26082_E, D26082_F, D26082_G, D26082_H, D26082_I, D26082_J, D26082_A, D26082_B, D26082_C,	17	5	24	5	30	5	39	2	47	2	58	2	61	2	72	2	422	-
Unnamed tributary of Kookaburra Creek	578.10	D29411	7	N2N14	D29411_A, D29411_B, D29411_C, D29411_F, D29411_G, D29411_I,	16	5	20	3	25	3	33	5	40	3	49	2	52	2	62	2	413	-
Unnamed tributary of Kookaburra Creek	579.00	D29973	2	N2N14	D29973_E, D29973_F, D29973_A, D29973_B, D29973_C, D29973_D,	8	5	11	2	14	2	18	2	21	2	26	2	27	2	33	2	221	-
Unnamed tributary of Kookaburra Creek	580.50	D32008	5	N2N14	D32008_A, D32008_B, D32008_C, D32008_D, D32008_E, D32008_F,	14	5	18	2	23	2	29	2	36	2	44	2	46	2	55	2	357	-
Ewenmar Creek	595.24	D46320	152	N2N13/N2N14	D46320_A2, D46320_A, D46320_B, D46320_C, D46320_F, D46320_G, D46320_H, D46320_I, D46320_J, D46320_P, D46320_Q, D46320_S, D46320_T, D46320_U, D46320_W, D46320_Y, D46320_A1,	193	12	244	12	296	12	374	12	467	12	587	12	614	12	720	12	2,851	-
Emogandry Creek	602.95	D51940	79	N2N13	D51940_A1, D51940_B, D51940_C, D51940_D, D51940_E, D51940_F, D51940_G, D51940_H, D51940_I, D51940_J, D51940_K, D51940_L, D51940_M, D51940_R,	106	12	142	12	175	12	215	12	252	12	312	12	326	12	378	12	1,905	-
Kickabil Creek	609.88	D55490	109	N2N13	D55490_A1, D55490_A, D55490_B, D55490_C, D55490_D, D55490_J, D55490_K, D55490_L, D55490_M, D55490_N, D55490_O, D55490_P, D55490_Q, D55490_R, D55490_S, D55490_T, D55490_U,	137	12	184	12	223	12	278	12	344	12	417	12	440	12	506	12	2,323	-
Milpulling Creek	616.45	D62900	71	N2N13	D62900_A, D62900_B, D62900_C, D62900_D, D62900_F, D62900_G, D62900_H, D62900_I, D62900_J, D62900_K, D62900_L, D62900_M, D62900_N,	113	9	157	6	197	6	234	6	277	6	339	6	368	5	415	6	1,784	-
Unnamed tributary of Bundijoe Creek	618.48	D68620	33	N2N13	D68620_A, D68620_B, D68620_C, D68620_D, D68620_E, D68620_F, D68620_G, D68620_H, D68620_I, D68620_J, D68620_K, D68620_L, D68620_M, D68620_N, D68620_O, D68620_P, D68620_Q, D68620_R, D68620_S, D68620_T, D68620_U, D68620_V,	54	9	78	6	98	6	116	6	145	5	180	5	190	5	222	5	1,113	-
Bundijoe Creek	623.29	D71660	29	N2N13	D71660_A, D71660_B, D71660_C, D71660_D, D71660_E, D71660_F, D71660_G, D71660_H, D71660_I, D71660_J, D71660_K, D71660_L, D71660_M, D71660_N, D71660_O, D71660_P, D71660_Q, D71660_R, D71660_S, D71660_T, D71660_U, D74787_I, D74787_H, D74787_E,	60	9	75	6	94	6	118	5	140	5	167	3	179	3	207	3	1,027	-
Unnamed tributary of Bootha Guy Creek	624.85	D74787	10	N2N11-12	D74787_D, D74787_G, D74787_F, D74787_A, D74787_C, D74787_B,	20	9.0	30	6.0	36	6.0	45	4.5	53	3.0	67	3.0	72	3.0	82	2.0	517	-

Watercourse	N2N Chainage (km)	Name of Hydrology model	Catchment Area (km ²)	TUFLOW model Name	Name of Inflow in TUFLOW Model	20% AEP		10% AEP		5% AEP		2% AEP		1% AEP		0.5% AEP		1% AEP+CC		0.2% AEP		PMF	
						Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)
Bootha Guy Creek	626.30	D76000	17	N2N11-12	D76000_D, D76000_C, D76000_F, D76000_E, D76000_B, D76000_A, D76000_L, D76000_K, D76000_M, D76000_H, D76000_G, D76000_J, D76000_I	37	9.0	56	6.0	65	6.0	80	3.0	98	3.0	120	3.0	128	3.0	148	3.0	729	-
Unnamed tributary of Bootha Guy Creek	630.10	D79020	26	N2N11-12	D79020_G, D79020_F, D79020_I, D79020_H, D79020_C, D79020_B, D79020_E, D79020_D, D79020_A, D79020_N, D79020_K, D79020_J, D79020_M, D79020_L	48	9.0	67	6.0	86	6.0	98	4.5	119	4.5	143	4.5	152	3.0	174	3.0	961	-
Marthaguy Creek	634.51	D83970	412	N2N11-12	D83970_AA, D83970_AB, D83970_AC, D83970_AF, D83970_AG, D83970_AH, D83970_G, D83970_M, D83970_N, D83970_O, D83970_P, D83970_Q, D83970_R, D83970_S, D83970_Z	501	12.0	TBC	TBC	879	12.0	1,079	12.0	1,203	12.0	1,499	12.0	1,529	12.0	1,796	12.0	5,679	-
Unnamed tributary of Merrigal Creek	638.00	D86480	16	N2N11-12	D86480_I, D86480_H, D86480_K, D86480_J, D86480_E, D86480_D, D86480_G, D86480_F, D86480_A, D86480_C, D86480_B, D86480_U, D86480_T, D86480_W, D86480_V, D86480_Q, D86480_P, D86480_S, D86480_R, D86480_M, D86480_L, D86480_O, D86480_N	30	9.0	42	6.0	53	6.0	43	1.5	76	4.5	91	4.5	97	4.5	111	4.5	704	-
Unnamed tributary of Merrigal	639.30	D88825	2	N2N11-12	D88825_A, D88825_B, D88825_C, D88825_D	6	2.0	8	2.0	10	2.0	13	2.0	15	1.5	19	1.5	20	1.5	23	1.5	172	-
Unnamed tributary of Merrigal Creek	640.30	D90180	23	N2N11-12	D90180_J, D90180_I, D90180_K, D90180_F, D90180_E, D90180_H, D90180_G, D90180_B, D90180_A, D90180_D, D90180_C	48	9.0	65	6.0	80	6.0	90	4.5	110	3.0	133	3.0	145	3.0	164	3.0	879	-
Unnamed tributary of Merrigal Creek	641.60	D91440	1	N2N11-12	D91440_C, D91440_B, D91440_D, D91440_A	5	2.0	7	2.0	8	2.0	10	2.0	13	1.5	16	1.5	17	1.5	20	1.5	152	-
Unnamed tributary of Bullagreen Creek and Marrigal Creek	642.50	D93020	2	N2N11-12	D93020_B, D93020_E, D93020_D, D93020_A, D93020_F, D93020_C	7	2.0	10	2.0	12	2.0	16	2.0	19	1.5	23	1.5	25	1.5	29	1.5	198	-
Unnamed tributary of Bullagreen Creek	644.40	D94260	9	N2N11-12	D94260_N, D94260_M, D94260_J, D94260_I, D94260_L, D94260_K, D94260_F, D94260_E, D94260_H, D94260_G, D94260_B, D94260_A, D94260_D, D94260_C	20	9.0	28	6.0	35	6.0	41	3.0	51	3.0	62	3.0	66	3.0	75	3.0	493	-
Unnamed tributary of Bullagreen Creek	646.40	D96540	27	N2N11-12	D96540_B, D96540_A, D96540_P, D96540_O, D96540_R, D96540_Q, D96540_L, D96540_K, D96540_N, D96540_M, D96540_H, D96540_G, D96540_J, D96540_I, D96540_D, D96540_C, D96540_F, D96540_E, D96540_S, D96540_T	50	9.0	68	6.0	85	6.0	97	6.0	117	4.5	140	3.0	152	3.0	170	3.0	974	-
Unnamed tributary of Bullagreen Creek	647.72	D98220	3	N2N11-12	D98220_D, D98220_A, D98220_C, D98220_B, D98220_E	10	2.0	14	2.0	17	2.0	22	2.0	25	1.5	31	1.5	34	1.5	39	1.5	254	-
Unnamed tributary of Castlereagh River	651.06	D99840	6	N2N11-12	D99840_D, D99840_A, D99840_C, D99840_B, D99840_E	15	3.0	21	6.0	26	6.0	34	2.0	40	2.0	49	2.0	52	2.0	60	2.0	389	-
Castleregh River	651.73	CAS	6,722	N2N11-12	CAS_1, CAS_2, CAS_AM	804 -		2,139 -		3,299 -		4,283 -		5,260 -		5,402 -		6,982 -		29,335		-	
Judes Creek	659.11	D106690	30	N2N10	D106690_A_ARF_H1_SC, D106690_N_ARF_Outlet, D106690_C_ARF_H1	49	9	65	6	78	6	97	6	117	6	140	6	155	5	167	6	1,047	-
Unnamed tributary of Mariemon Creek	661.28	D111020	21	N2N10	D111020_D_SC, D111020_I, D111020_E_SC, D111020_C, D111020_J, D111020_E, D111020_D1	38	9	52	6	64	6	75	6	99	5	118	5	129	5	143	5	852	-
Unnamed tributary of Mariemon Creek	664.21	D114780	12	N2N10	D114780_A_SC, D114780_D, D114780_B, D114780_E, D114780_D_SC, D114780_E_SC, D114780_C, D114780_F	25	9	34	6	42	6	52	2	63	2	77	2	84	2	94	2	604	-
Unnamed tributary of Mariemon Creek	665.75	D115630	3	N2N10	D115630_C, D115630_A, D115630_B, D115630_D, D115630_D_SC	11	2	14	2	17	2	21	2	27	1	33	1	36	1	40	1	254	-
Unnamed tributary of Gulargambone Creek	667.30	D117640	28	N2N10	D117640_G_ARF_J1, D117640_H_ARF_J1, D117640_K_ARF_N1, D117640_M_ARF_N1, D117640_F_ARF_N1_SC, D117640_N_ARF_N1, D117640_P_ARF_Outlet, D117640_L_ARF_N1, D117640_Q_ARF_Outlet, D117640_P_SC, D117640_O_ARF_N1, D117640_I_ARF_J1, D117640_R_ARF_Outlet, D117640_J_ARF_J1, D117640_B_SC, D117640_F1	55	9	68	6	84	6	102	6	127	5	149	5	160	5	175	3	1,002	-

Watercourse	N2N Chainage (km)	Name of Hydrology model	Catchment Area (km ²)	TUFLOW model Name	Name of Inflow in TUFLOW Model	20% AEP		10% AEP		5% AEP		2% AEP		1% AEP		0.5% AEP		1% AEP+CC		0.2% AEP		PMF	
						Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)
Unnamed tributary of Gulargambone Creek	668.65	D118420	3	N2N10	D118420_D1_SC, D118420_C, D118420_B, D118420_D_SC, D118420_A, D118420_D,	10	2	13	2	15	2	19	2	23	2	30	1	32	1	36	1	240	-
Unnamed tributary of Gulargambone Creek	669.70	D119660	7	N2N10	D119660_A_SC, D119660_B, D119660_D1_SC, D119660_C, D119660_D, D119660_D_SC,	19	2	26	2	32	2	40	2	48	2	57	2	62	2	69	2	439	-
Unnamed tributary of Gulargambone Creek	671.20	D121860	4	N2N10	D121860_E1_SC, D121860_B, D121860_A, D121860_E, D121860_C, D121860_E_SC, D121860_D, D121860_F,	10	2	14	2	18	2	22	2	26	2	32	2	35	2	39	2	283	-
Gulargambone Creek including Paddys CK	673.50	D123150	243	N2N10	D123150_AF, D123150_X_SC, D123150_A_SC, D123150_W, D123150_Y, D123150_Z_SC, D123150_W_SC, D123150_D1, D123150_J1, D123150_M1,	294	12	399	12	488	12	627	12	736	12	872	12	938	12	1,034	12	3,805	-
Unnamed tributary of Gulargambone Creek	675.50	D125500	29	N2N10	D125500_F_SC, D125500_G, D125500_G_SC, D125500_B1, D125500_F_SC, D125500_G, D125500_G_SC, D125500_B1	52	9	68	6	82	6	100	6	124	5	148	5	162	5	177	5	1,017	-
Unnamed tributary of Gulargambone Creek	676.95	D126300	10	N2N10	D126300_B, D126300_C, D126300_A_SC, D126300_D, D126300_D_SC	24	6	32	6	38	6	51	2	61	2	73	2	80	2	88	2	545	-
Unnamed tributary of Baronne Creek	678.20	D127880	9	N2N10	D127880_D, D127880_B_SC, D127880_C, D127880_C_SC	20	9	27	6	33	6	42	2	53	2	64	2	71	2	78	2	500	-
Unnamed tributary of Baronne Creek	679.30	D128980	5	N2N9	D128980_A, D128980_C, D128980_D_SC, D128980_B, D128980_D,	14	2	18	2	23	2	28	2	35	2	42	2	46	2	51	2	338	-
Unnamed tributary of Baronne Creek	680.25	D130040	15	N2N9	D130040_C1, D130040_H, D130040_A, D130040_B, D130040_J, D130040_I, D130040_J_SC	33	9	41	6	52	6	63	3	80	3	95	3	106	3	114	3	676	-
Unnamed tributary of Baronne Creek	681.49	D130840	22	N2N9	D130840_H_SC, D130840_I, D130840_C, D130840_I_SC, D130840_B, D130840_D1,	42	9	56	6	68	6	83	6	105	5	124	5	137	5	148	5	875	-
Baronne Creek	682.68	D132700	389	N2N9	D132700_BA, D132700_AS, D132700_AY, D132700_AI_SC, D132700_AH1, D132700_AM1, D132700_AS1, D132700_BA_SC, D132700_A, D132700_AH, D132700_AI	598	18	623	12	771	12	977	12	1,152	12	1,327	12	1,470	12	1,552	12	5,089	-
Unnamed tributary of Baronne Creek	684.95	D135300	12	N2N9	D135300_B_SC, D135300_A, D135300_C_SC, D135300_E, D135300_D, D135300_A_SC,	24	9	32	6	41	6	53	5	61	2	73	2	81	2	88	2	583	-
Unnamed tributary of Worinjerong	686.90	D136972	1	N2N9	D136972_A, D136972_C, D136972_B, D136972_D	4	2	6	2	7	2	9	2	11	1	13	1	15	1	16	1	136	-
Unnamed tributary of Worinjerong	688.00	D138980	3	N2N9	D138980_B, D138980_A, D138980_E, D138980_E_SC, D138980_C, D138980_D	9	2	13	2	16	2	22	2	26	2	32	2	35	2	38	2	270	-
Unnamed tributary of Tenandra Creek	691.39	D140980	17	N2N9	D140980_A, D140980_B, D140980_G, D140980_D, D140980_C, D140980_E, D140980_F, D140980_E_SC	36	9	47	6	58	6	74	5	88	3	104	3	116	3	124	3	748	-
Tenandra Creek	692.50	D142830	1	N2N9	D142830_B, D142830_A, D142830_E, D142830_C, D142830_D	4	2	6	2	9	2	11	2	13	2	16	2	17	2	19	2	162	-
Tenandra Creek	694.21	D143390	42	N2N9	D143390_I_SC, D143390_H_ARF_J_SC, D143390_K_ARF_L_SC, D143390_I_ARF_Outlet, D143390_N_ARF_J, D143390_G_ARF_J_SC, D143390_F_ARF_J_SC, D143390_L_ARF_L, D143390_J_ARF_J, D143390_A1_AREI	63	12	89	9	106	6	133	6	164	6	192	6	214	6	229	6	1,298	-
Unnamed tributary of Mungery Creek	696.40	D144860	5	N2N9	D144860_A, D144860_C, D144860_B, D144860_E, D144860_D, D144860_C_SC	11	9	16	6	20	6	27	2	34	2	41	2	46	2	50	2	346	-
Caleriwi Creek	702.39	N2N8_RORB_1_2	28	N2N8	C-29	62	9	105	6	144	6	135	5	158	5	215	2	213	5	304	2	1,560	2
Quanda Quanda Creek	704.59	N2N8_RORB_1_2	28	N2N8	C-28	44	9	66	6	84	6	90	6	105	12	164	5	160	5	188	3	1,328	2
Salty Spring Creek	709.27	N2N8_RORB_1_2	17	N2N8	C-27	27	12	34	12	39	9	45	12	65	12	76	12	83	12	89	6	650	4
Calga Creek	714.60	N2N8_RORB_1_2	34	N2N8	C-26	67	12	77	6	121	6	122	6	134	9	203	5	213	5	253	5	1,438	3
Bucklanbah Creek	722.30	N2N7_RORB_3A	114	N2N7	C-24	156	12	214	12	265	12	346	12	482	12	550	12	608	12	644	12	4,395	2
Unnamed tributary of Teridgerie Creek	727.20	N2N7_RORB_2	132	N2N7	C-23_3	103	12	146	12	192	12	263	12	306	12	366	12	404	12	533	12	2,440	3
Teridgerie Creek	730.50	N2N7_RORB_2	160	N2N7	C-23_1	157	12	224	12	285	12	368	12	411	12	488	12	535	12	700	12	3,065	3
Wallaby Creek	554.00	RORB3_Run1_ARFA	131	NFM	Inflow_7, 3H, 3N,	224	12	295	12	348	12	420	12	480	12	610	12	640	12	772	12	5,123	3
Unnamed tributary of Backwater Cowal	556.20	RORB2_Run03_ARF_PointB	11	NFM	Inflow_6, 2AC, 2AD, 2AE,	21	9	26	6	32	6	40	5	48	5	60	5	62	5	74	3	383	3

Watercourse	N2N Chainage (km)	Name of Hydrology model	Catchment Area (km ²)	TUFLOW model Name	Name of Inflow in TUFLOW Model	20% AEP		10% AEP		5% AEP		2% AEP		1% AEP		0.5% AEP		1% AEP+CC		0.2% AEP		PMF	
						Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)	Qp (m ³ /s)	Duration (h)
Talluba Creek	779.64	N2N5_RORB_1	29	N2N5	C-13	49	12	72	12	93	12	118	12	132	12	167	12	185	12	198	12	1,395	2
Cubbo Creek	783.65	N2N5_RORB_1	59	N2N5	C-12	75	12	107	12	146	12	199	12	236	12	283	12	316	12	346	12	2,094	3
Coghill Creek	796.41	N2N4_RORB_1	48	N2N4	C-9	71	12	98	12	122	12	154	12	178	12	209	12	231	12	250	12	1,987	3
Mollieroi Creek	800.45	N2N3_RORB_1	92	N2N3	C-8	103	12	151	12	200	12	277	12	351	12	411	12	454	12	498	12	3,001	4
Goona Creek	809.11	N2N3_RORB_1	45	N2N3	C-5	44	12	64	12	86	12	122	12	154	12	193	12	207	12	236	12	1,333	3
Unnamed tributary of Bundock Creek	817.20	N2N2_RORB_1	30	N2N2	C-3_2	58	12	83	12	107	12	155	12	182	12	188	12	210	12	222	12	1,543	2
Bundock Creek	817.65	N2N2_RORB_1	34	N2N2	C-3_1	61	12	86	12	112	12	161	12	189	12	203	12	227	12	240	12	1,700	2
Bohena Creek	828.22	N2N1_RORB_1	2,038	N2N1	C-2	1,392	36	2,450	36	3,096	18	4,377	18	4,870	36	5,985	36	6,416	36	7,436	36	32,537	4
Unnamed tributary of Bohena Creek	834.55	N2N1_RORB_2	24	N2N1	C-1	47	12	58	12	70	12	90	12	100	12	118	5	128	12	152	5	1,040	2
Namoi River	844.12	Namoi	25,073	Narrabri	Inflow_Namoi	483	-	1,136	-	1,854	-	3,584	-	4,976	-	6,360	-	7,660	-	8,539	-	40,000	-
Unnamed tributary of Narrabri Creek	848.50	Narrabri	10	Narrabri	Tnode35	6	18	9	18	12	12	19	12	24	12	32	12	34	12	41	12	242	5
Stony Creek	850.60	Narrabri	19	Narrabri	Tnode26	18	18	17	18	39	12	53	12	63	12	77	12	83	12	93	12	692	5
Mulgate Creek	852.57	Narrabri	26	Narrabri	Tnode12	24	18	36	18	49	12	70	12	82	12	104	12	112	12	125	12	763	5
Flood runner of Horsearm Creek	-	Narrabri	19	Narrabri	Tnode20	24	18	36	18	47	12	69	12	76	12	103	12	112	12	124	12	555	5
Horsearm Creek	-	Narrabri	27	Narrabri	Tnode4	32	18	46	18	61	12	80	12	96	12	115	12	124	12	138	12	795	5

Table C-2 Peak discharges estimated by RFFE

Waterway	Catchment Area (km ²)	Peak Discharge (m ³ /s)					
		50% AEP	20% AEP	10% AEP	5% AEP	2% AEP	1% AEP
Wallaby Creek	9	11	27	42	62	96	128
Wallaby Creek	131	37	86	136	199	307	411
Unnamed tributary of Backwater Cowal	27	17	40	63	93	143	191
Unnamed tributary of Backwater Cowal	9	11	27	43	62	96	128
Unnamed tributary of Backwater Cowal	29	18	42	66	96	149	199
Unnamed tributary of Macquarie River	29	18	42	66	97	150	200
Unnamed tributary of Yellow Creek	16	14	32	51	74	115	153
Yellow Creek	41	20	47	75	109	169	226
Unnamed tributary of Backwater Cowal	9	11	26	41	60	93	124
Macquarie River	25,900	-	-	-	-	-	-
Unnamed tributary of Backwater Cowal	9	12	29	46	68	104	140
Unnamed tributary of Macquarie River	2	8	20	32	46	72	96
Unnamed tributary of Backwater Cowal	5	10	23	37	54	83	111
Unnamed tributary of Backwater Cowal	5	9	22	35	52	80	107
Backwater Cowal	4	8	18	29	42	65	86
Unnamed tributary of Backwater Cowal	12	13	31	49	72	111	148
Backwater Cowal	8	15	35	55	81	125	167
Unnamed tributary of Macquarie River	5	9	22	34	50	77	103
Unnamed tributary of Backwater Cowal	8	13	31	49	72	111	149
Blackwater Cowal	6	11	25	39	57	88	118
Unnamed tributary of Ewenmar Creek	5	13	30	47	69	106	142
Unnamed tributary of Ewenmar Creek	13	19	46	72	105	163	217
Unnamed tributary of Ewenmar Creek	6	16	38	61	89	137	183
Unnamed tributary of Kookaburra Creek	2	9	20	32	47	73	97
Unnamed tributary of Macquarie River	12	15	35	56	82	127	169
Unnamed tributary of Macquarie River	8	13	30	47	69	106	142
Unnamed tributary of Macquarie River	2	8	20	31	46	71	95
Unnamed tributary of Macquarie River	4	11	25	39	58	89	119
Unnamed tributary of Macquarie River	6	11	26	41	60	93	124
Unnamed tributary of Kookaburra Creek	3	10	25	39	57	88	118
Unnamed tributary of Kookaburra Creek	2	7	17	27	40	62	83
Unnamed tributary of Kookaburra Creek	2	8	18	29	42	65	87
Unnamed tributary of Kookaburra Creek	2	9	20	32	47	73	97
Unnamed tributary of Macquarie River	3	9	22	35	52	80	107
Unnamed tributary of Macquarie River	2	9	22	35	52	80	107
Unnamed tributary of Macquarie River	3	10	24	38	56	87	116
Ewenmar Creek	151	54	126	200	292	451	603
Unnamed tributary of Milpulling Creek	2	18	42	66	97	149	200
Unnamed tributary of Milpulling Creek	2	18	42	66	97	149	200
Kickabil Creek	109	40	95	149	218	336	449
Emogandry Creek	79	35	83	131	191	295	395
Milpulling Creek	71	34	81	127	186	287	383
Unnamed tributary of Bundijoe Creek	1	19	45	70	103	159	213
Bundijoe Creek	33	29	68	108	157	243	325
Bundijoe Creek	29	28	66	104	153	235	315
Unnamed tributary of Bootha Guy Creek	10	24	57	89	130	201	269
Bootha Guy Creek	17	25	59	92	135	208	279
Unnamed tributary of Bootha Guy Creek	26	27	64	100	147	226	302
Castlereagh River	6,722	-	-	-	-	-	-
Marthaguy Creek	416	45	105	166	243	375	501
Unnamed tributary of Merrigal Creek	16	24	58	91	133	205	274
Unnamed tributary of Merrigal Creek	23	25	58	91	134	206	276
Unnamed tributary of Merrigal Creek	1	19	45	70	103	158	212
Unnamed tributary of Merrigal Creek	2	19	45	70	103	159	212
Unnamed tributary of Bullagreen Creek	9	22	52	82	119	184	246
Unnamed tributary of Bullagreen Creek	26	25	58	91	134	206	276
Unnamed tributary of Bullagreen Creek	2	19	44	70	102	158	211
Unnamed tributary of Castlereagh River	6	21	49	78	114	175	234
Unnamed tributary of Bullagreen Creek	0	19	45	70	103	159	212
Unnamed tributary of Bullagreen Creek	0	19	45	70	103	159	212
Unnamed tributary of Bullagreen Creek	1	19	45	70	103	159	212
Unnamed tributary of Marrigal Creek	1	19	45	70	103	159	212
Unnamed tributary of Merrigal	2	19	46	72	106	163	218
Unnamed in tributary of Marthaguy	5	22	53	83	122	188	252
Unnamed tributary of Gulargambone Creek	25	23	54	86	126	194	259
Unnamed tributary of Gulargambone Creek	3	19	44	70	103	158	212
Unnamed tributary of Mariemon Creek	3	19	44	70	102	157	210
Unnamed tributary of Gulargambone Creek	7	20	47	75	109	168	225
Unnamed tributary of Gulargambone Creek	4	20	47	74	108	166	222
Gulargambone Creek including Paddys CK	243	35	82	129	189	292	391

Waterway	Catchment Area (km ²)	Peak Discharge (m ³ /s)					
		50% AEP	20% AEP	10% AEP	5% AEP	2% AEP	1% AEP
Unnamed tributary of Gulargambone Creek	29	24	56	89	130	201	269
Unnamed tributary of Gulargambone Creek	10	21	49	77	112	173	232
Unnamed tributary of Baronne Creek	9	20	47	75	110	169	226
Unnamed tributary of Mariemon Creek	23	22	52	82	120	185	248
Judes Creek	30	24	57	89	131	202	270
Unnamed tributary of Mariemon Creek	12	21	50	80	116	179	240
Unnamed tributary of Judes Creek	23	22	52	82	120	185	248
Unnamed tributary of Baronne Creek	5	20	46	73	107	164	220
Unnamed tributary of Baronne Creek	15	21	50	78	115	177	237
Unnamed tributary of Baronne Creek	22	23	53	84	123	190	255
Unnamed tributary of Baronne Creek	12	20	47	74	108	166	222
Baronne Creek	389	52	124	196	288	446	599
Unnamed tributary of Worinjerong	3	17	40	63	92	142	190
Unnamed tributary of Tenandra Creek	17	21	50	79	116	178	239
Tenandra Creek	1	16	37	58	85	131	175
Tenandra Creek	42	24	58	91	134	206	276
Unnamed tributary of Mungery Creek	5	17	41	65	95	147	196
Tenandra Creek	1	16	37	58	85	131	175
Unnamed tributary of Worinjerong	1	16	37	58	85	131	176
Unnamed tributary of Baronne Creek	1	16	37	58	85	131	176
Caleriwi Creek	28	21	50	80	116	180	241
Quanda Quanda Creek	28	21	50	79	116	179	239
Salty Spring Creek	17	18	42	66	96	149	199
Calga Creek	34	21	49	77	114	176	236
Bucklanbah Creek	114	31	75	118	174	271	364
Unnamed tributary of Teridgerie Creek	132	31	74	117	173	269	362
Unnamed tributary of Teridgerie Creek	50	20	48	76	111	173	232
Teridgerie Creek	160	40	96	154	227	354	477
Baradine Creek	933	213	514	824	1220	1910	2590
Coolangla Creek	15	12	29	46	68	105	141
Etoo Creek	122	40	96	154	227	356	481
Coomore Creek	114	36	87	138	205	321	434
Rocky Creek	127	39	94	150	222	349	472
Talluba Creek	29	13	32	51	76	118	160
Cubbo Creek	59	22	52	83	124	194	262
Coghill Creek	48	18	45	71	106	166	224
Mollieroi Creek	92	30	72	116	173	272	369
Goona Creek	45	14	34	55	81	128	173
Unnamed tributary of Bundock Creek	30	11	26	42	63	99	134
Bundock Creek	34	12	28	45	67	105	142
Bohena Creek	2,038	335	816	1310	1960	3090	4200
Unnamed tributary of Bohena Creek	24	7	17	27	40	63	86
Namoi River	25,073	-	-	-	-	-	-
Horsearm Creek	27	10	24	40	59	94	129
Mulgate Creek	26	8	21	34	50	80	109
Flood runner of Horsearm Creek	19	6	14	22	34	53	73
Stony Creek	19	5	13	21	32	50	68
Unnamed tributary of Narrabri Creek	10	3	8	14	21	32	44