



# **NSW Estuary Tidal Inundation Exposure Assessment**

Appendix C

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## Geocoded Urban and Rural Addressing Service (GURAS) assets evaluation

**Table C.1. GURAS database and inundation modelling statistics of properties affected for each NSW estuary type**

Estuary type	No. of properties				% properties in catchments				Total properties
	0	0.5	1.0	1.5	0	0.5	1.0	1.5	
DRV	2,727	6,772	13,037	18,560	1	2	3	4	573,364
TL	1,148	5,211	11,813	17,803	1	4	8	11	165,098
SR	182	583	1,224	2,071	1	2	4	6	36,546
LR	2,922	8,086	19,097	26,737	2	4	9	12	238,576
ICOLL	29	85	299	895	1	1	2	5	20,355
NGI	930	1,780	2,806	4,079	1	2	3	5	95,995
EM	558	1,136	2,468	4,234	1	1	1	2	326,574
All	8,496	23,653	50,744	74,379	1	2	4	6	1,456,508

*Note: DRV = Drowned River Valley; TL = Tidal Lake; SR = Small River; LR = Large River; ICOLL = Intermittently Open Closed Lakes and Lagoons (gauged); NGI = Intermittently Open Closed Lakes and Lagoons (non-gauged); EM = Embayment*

**Table C.2. GURAS database and inundation modelling statistics of roads affected for each NSW estuary type**

Estuary type	Length of road (km)				% length of road				Total length of road (km)
	0	0.5	1.0	1.5	0	0.5	1.0	1.5	
DRV	44.56	174.86	418.23	658.34	0	2	4	6	10,629.28
TL	7.05	63.49	215.97	384.04	0	0	1	3	3,973.85
SR	4.17	20.60	68.67	138.53	0	0	2	7	2,014.63
LR	61.24	464.16	1,238.51	1,971.75	0	3	9	15	13,371.47
ICOLL	0.02	0.36	6.74	27.83	2	3	5	7	391.28
NGI	52.84	102.08	153.52	210.59	0	1	3	7	3,040.93
EM	2.07	6.43	25.86	67.37	0	2	5	10	2,287.96
All	171.95	831.98	2,127.50	3,458.45	0	2	6	10	35,709.40

*Note: DRV = Drowned River Valley; TL = Tidal Lake; SR = Small River; LR = Large River; ICOLL = Intermittently Open Closed Lakes and Lagoons (gauged); NGI = Intermittently Open Closed Lakes and Lagoons (non-gauged); EM = Embayment*

**Table C.3. GURAS database and inundation modelling statistics of power lines affected for each NSW estuary type**

Estuary type	Length of power line (km)				% length of power line				Total length of power line (km)
	0	0.5	1.0	1.5	0	0.5	1.0	1.5	
DRV	50.52	184.78	502.02	815.96	0	1	3	5	16,643.37
TL	5.11	83.56	386.87	733.94	0	1	6	12	6,362.23
SR	2.99	14.00	54.84	115.19	0	1	3	6	2,022.84
LR	71.32	469.24	1,098.22	2,154.36	0	3	8	15	14,614.45
ICOLL	0.10	0.59	5.22	32.00	0	0	1	5	641.98
NGI	49.02	93.60	151.96	229.37	1	3	4	7	3,502.80
EM	0.64	2.89	39.68	108.64	0	0	1	2	5,052.09
All	179.70	848.66	2,238.81	4,189.46	0	2	5	9	48,839.76

*Note: DRV = Drowned River Valley; TL = Tidal Lake; SR = Small River; LR = Large River; ICOLL = Intermittently Open Closed Lakes and Lagoons (gauged); NGI = Intermittently Open Closed Lakes and Lagoons (non-gauged); EM = Embayment*



## Drowned River Valleys (DRVs)

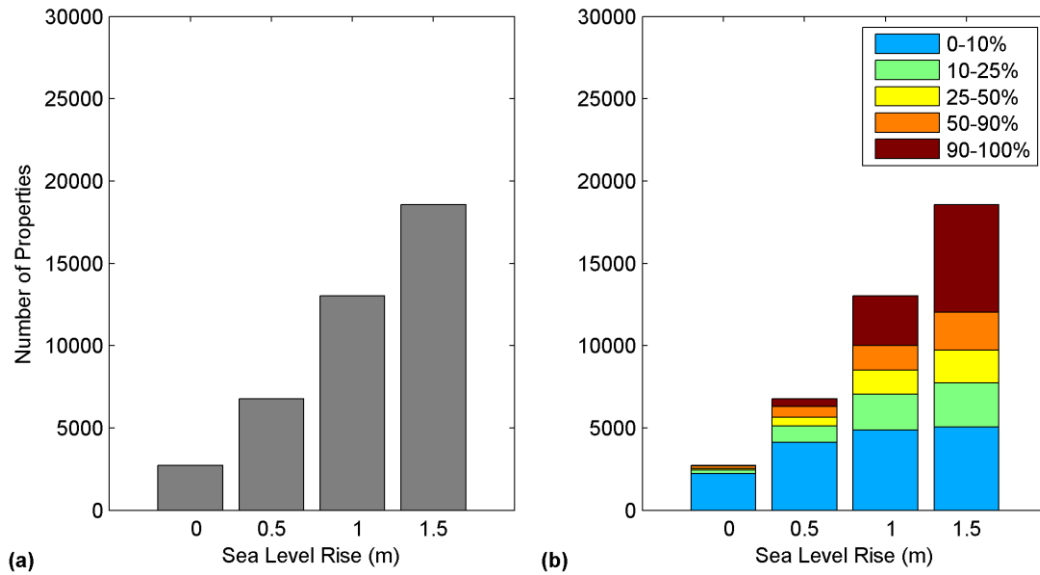


Figure C.1. GURAS database and inundation modelling results for Drowned River Valley (DRV) type estuaries: (a) Number of properties affected; (b) Percentage of each property affected

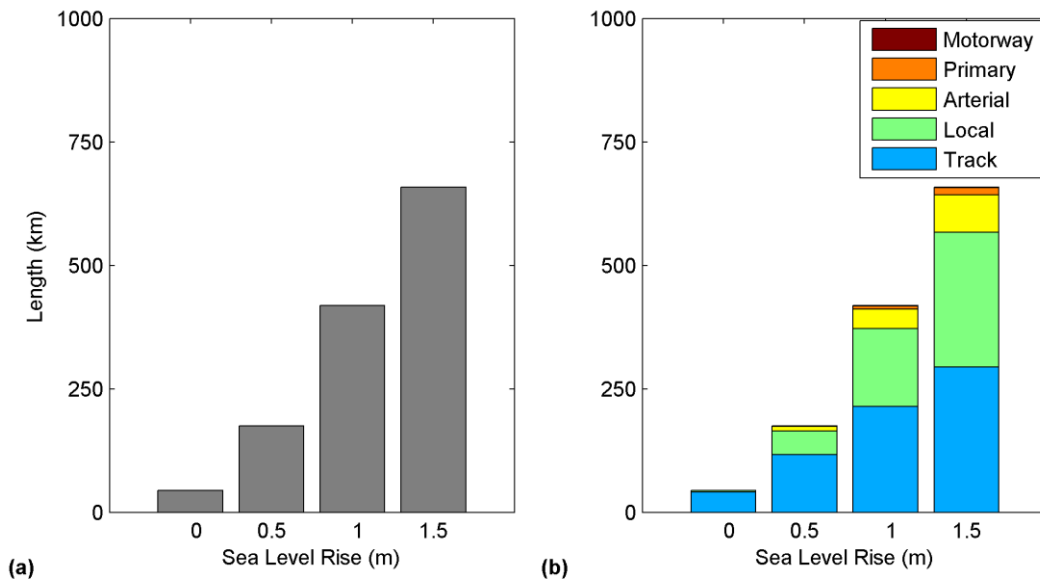


Figure C.2. GURAS database and inundation modelling results for DRV type estuaries: (a) Kilometres of roads affected; (b) Breakdown of road types affected

**Table C.4. GURAS database and inundation modelling statistics of properties affected for DRV type estuaries**

Estuary no.	Estuary name	No. of properties				% properties in catchment				Total properties
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
053	Karuah River	24	63	74	82	2	7	8	8	967
055	Port Stephens	175	850	1,389	1,836	1	4	6	8	23,166
056	Hunter River	322	1,094	2,954	4,094	0	1	3	5	84,752
067	Hawkesbury River	394	828	1,224	1,465	2	4	6	7	19,586
074	Middle Harbour Creek	179	287	400	501	1	1	1	2	32,974
075	Lane Cove River	120	213	290	341	1	1	1	2	22,054
076	Parramatta River	388	752	1,357	2,078	0	1	1	2	119,255
078	Cooks River	31	100	392	994	0	0	0	1	103,458
079	Georges River	689	1,765	3,625	5,440	0	1	2	4	145,385
081	Port Hacking	386	775	1,241	1,543	2	4	6	8	20,306
132	Clyde River	19	45	91	186	1	3	6	13	1,461
	Total	2,727	6,772	13,037	18,560	1	2	3	4	573,364

**Table C.5. GURAS database and inundation modelling statistics of roads affected for DRV type estuaries**

Estuary no.	Estuary name	Length of road (km)				% length of road				Total length of road (km)
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
053	Karuah River	0.31	2.69	4.83	6.13	0	1	1	2	389.71
055	Port Stephens	1.70	13.07	31.57	46.83	0	2	5	7	697.57
056	Hunter River	35.66	107.4 1	214.9 2	321.4 3	1	3	7	10	3,124.87
067	Hawkesbury River	4.02	31.86	65.70	86.37	0	2	4	5	1,659.50
074	Middle Harbour Creek	0.97	1.82	3.42	6.41	0	1	1	2	324.46
075	Lane Cove River	0.51	1.82	3.68	5.36	0	1	2	2	228.68
076	Parramatta River	0.31	4.92	30.07	55.10	0	0	3	5	1,096.18
078	Cooks River	0.20	4.22	18.97	42.53	0	1	2	6	760.02
079	Georges River	0.54	5.45	37.21	73.37	0	0	2	4	1,675.33
081	Port Hacking	0.22	0.76	3.09	5.13	0	0	1	2	211.32
132	Clyde River	0.12	0.84	4.77	9.68	0	0	1	2	461.64
	Total	44.56	174.8 6	418.2 3	658.3 4	0	2	4	6	10,629.2 8

**Table C.6. GURAS database and inundation modelling statistics of power lines affected for DRV type estuaries**

Estuary no.	Estuary name	Length of power line (km)				% length of power line				Total length of power line (km)
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
053	Karuah River	0.41	1.21	1.73	2.09	0	1	1	1	166.24
055	Port Stephens	1.58	19.53	49.91	72.16	0	3	7	11	667.19
056	Hunter River	37.32	116.75	275.84	389.43	1	3	8	11	3,642.72
067	Hawkesbury River	6.64	28.28	54.24	71.51	0	2	3	5	1,554.75
074	Middle Harbour Creek	0.57	0.81	2.50	4.85	0	0	0	1	769.05
075	Lane Cove River	0.21	0.44	0.84	1.25	0	0	0	0	528.20
076	Parramatta River	0.95	5.17	24.25	67.77	0	0	1	3	2,493.56
078	Cooks River	0.24	2.84	15.62	51.84	0	0	1	2	2,283.57
079	Georges River	1.57	7.02	68.24	132.79	0	0	2	3	3,865.42
081	Port Hacking	0.42	0.89	4.03	9.04	0	0	1	2	555.31
132	Clyde River	0.61	1.84	4.82	13.23	1	2	4	11	117.36
	Total	50.52	184.78	502.02	815.96	0	1	3	5	16,643.37

**Table C.7. GURAS database and inundation modelling statistics of percentage of properties affected for DRV type estuaries**

Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		10	25	50	90	100	10	25	50	90	100	10	25	50	90	100	10	25	50	90	100
053	Karuah River	23	1	0	0	0	24	19	18	2	0	27	16	25	6	0	30	14	22	15	1
055	Port Stephens	105	32	13	25	0	271	146	105	158	170	256	255	165	161	552	221	263	203	228	921
056	Hunter River	82	47	56	94	43	213	138	170	332	241	225	219	233	458	1,819	251	202	313	544	2,784
067	Hawkesbury River	328	44	13	8	1	491	145	61	91	40	570	228	134	130	162	577	275	155	173	285
074	Middle Harbour Creek	164	12	2	1	0	252	27	5	3	0	330	51	16	1	2	356	85	36	11	13
075	Lane Cove River	112	6	1	0	1	167	37	7	1	1	181	52	34	19	4	185	77	40	30	9
076	Parramatta River	361	15	7	5	0	546	143	37	22	4	525	371	252	142	67	551	434	443	348	302
078	Cooks River	22	5	3	1	0	56	18	10	14	2	144	66	49	63	70	216	159	115	160	344
079	Georges River	641	34	5	8	1	1,397	233	84	44	7	1688	663	486	479	309	1,680	816	524	700	1,720
081	Port Hacking	356	22	5	1	2	679	74	15	5	2	882	220	68	40	31	945	309	127	54	108
132	Clyde River	19	0	0	0	0	33	10	2	0	0	45	23	13	8	2	50	39	26	21	50

*Note: Percentages indicate upper bound of range such that: 10 = 0–10%, 25 = 10–25%, 50 = 25–50%, 90 = 50–90%, 100 = 90–100%*

**Table C.8. GURAS database and inundation modelling statistics of types of road affected for DRV type estuaries**

Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr
053	Karuah River	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.6	2.1	0.0	0.0	0.0	1.1	3.7	0.0	0.0	0.0	1.4	4.7
055	Port Stephens	0.0	0.0	0.0	0.5	1.3	0.0	0.0	0.2	7.2	5.8	0.0	0.0	2.0	19.0	10.5	0.0	0.0	2.8	28.2	15.9
056	Hunter River	0.0	0.0	0.0	2.9	32.8	0.0	0.2	6.7	23.3	77.3	0.0	5.9	19.3	68.4	121.4	0.0	13.4	39.5	111.5	157.0
067	Hawkesbury River	0.0	0.0	0.1	0.3	3.7	0.0	0.0	2.7	11.3	17.9	0.0	0.0	10.1	26.1	29.5	0.0	0.1	13.9	34.7	37.7
074	Middle Harbour Creek	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.2	0.7	2.6	0.0	0.0	0.3	2.5	3.6
075	Lane Cove River	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.1	1.8	0.0	0.0	0.0	0.3	3.4	0.0	0.0	0.0	0.6	4.8
076	Parramatta River	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.1	1.4	3.5	0.0	0.0	1.0	11.4	17.7	0.0	0.0	2.8	25.0	27.3
078	Cooks River	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.1	1.4	2.5	0.1	0.4	2.0	5.8	10.7	0.1	0.9	6.1	20.4	15.1
079	Georges River	0.0	0.0	0.0	0.0	0.5	0.4	0.0	0.0	1.7	3.3	0.7	0.0	3.5	22.2	10.9	0.7	0.0	7.8	43.4	21.6
081	Port Hacking	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.5	0.0	0.0	0.1	1.2	1.9	0.0	0.0	0.1	2.6	2.4
132	Clyde River	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.6	0.0	0.0	1.4	0.9	2.5	0.0	0.3	2.8	2.8	3.8

Note: Mo = motorway; Pr = primary road; Ar = arterial road; Lo = local road; Tr = track

## Tidal Lakes (TLs)

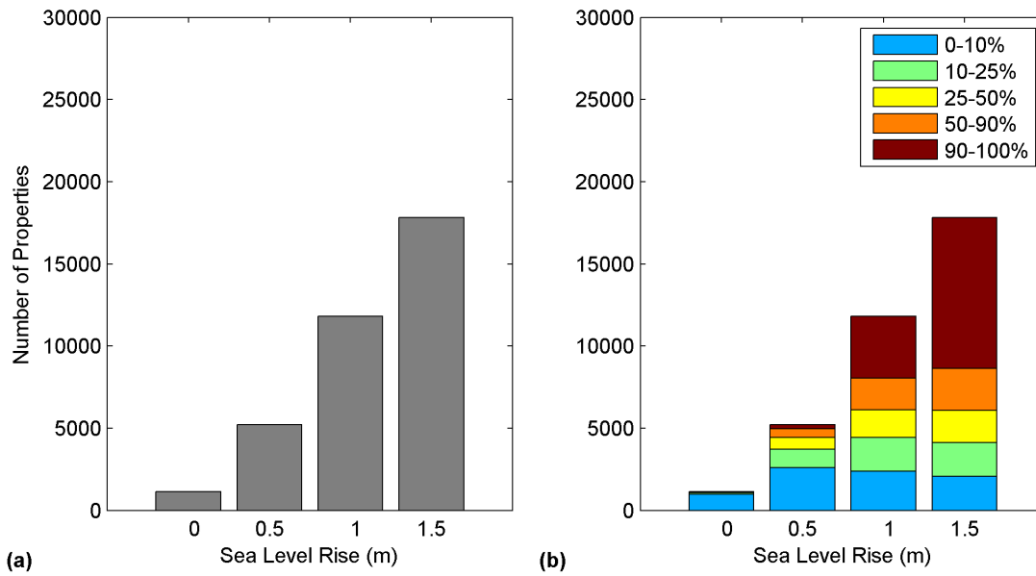


Figure C.3. GURAS database and inundation modelling results for Tidal Lake (TL) type estuaries: (a) Number of properties affected; (b) Percentage of each property affected

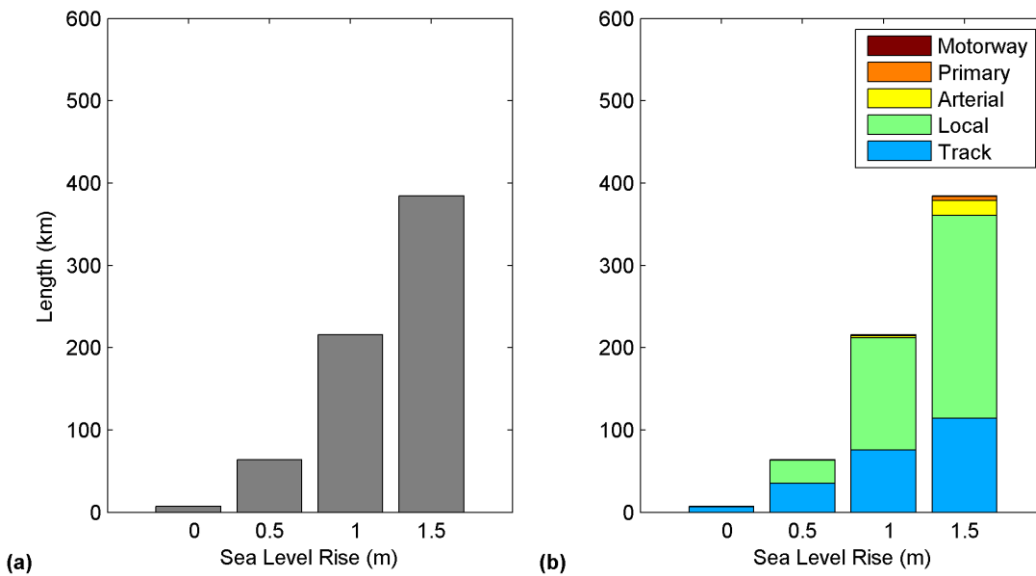


Figure C.4. GURAS database and inundation modelling results for TL type estuaries: (a) Kilometres of roads affected; (b) Breakdown of road types affected

**Table C.9. GURAS database and inundation modelling statistics of properties affected for TL type estuaries**

Estuary no.	Estuary name	No. of properties				% properties in catchment				Total properties
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
050	Wallis Lake	282	617	1,130	1,777	2	5	8	13	13,340
058	Lake Macquarie	390	2,470	5,803	7,848	1	4	10	14	57,414
061	Tuggerah Lake	364	1,509	3,249	5,266	1	3	6	9	55,842
094	Lake Illawarra	18	141	527	1,322	0	1	2	5	27,096
113	St Georges Basin	94	474	1,104	1,590	1	4	10	14	11,406
	Total	1,148	5,211	11,813	17,803	1	4	8	11	165,098

**Table C.10. GURAS database and inundation modelling statistics of roads affected for TL type estuaries**

Estuary no.	Estuary name	Length of road				% length of road				Total length of road (km)
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
050	Wallis Lake	5.49	20.70	53.66	84.29	1	2	6	10	870.94
058	Lake Macquarie	0.75	20.62	86.47	144.67	0	2	6	11	1,351.20
061	Tuggerah Lake	0.80	19.66	56.15	97.38	0	2	6	10	1,008.88
094	Lake Illawarra	0.00	1.05	9.33	32.78	0	0	2	7	458.22
113	St Georges Basin	0.01	1.46	10.36	24.92	0	1	4	9	284.61
	Total	7.05	63.49	215.97	384.04	0	2	5	10	3,973.85



**Table C.11. GURAS database and inundation modelling statistics of power lines affected for TL type estuaries**

Estuary no.	Estuary name	Length of power line (km)				% length of power line				Total length of power line (km)
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
050	Wallis Lake	2.73	16.57	52.10	100.13	0	2	7	14	723.43
058	Lake Macquarie	1.60	43.98	214.65	340.19	0	2	9	14	2,379.44
061	Tuggerah Lake	0.65	21.69	100.96	204.99	0	1	5	11	1,877.40
094	Lake Illawarra	0.02	0.10	4.94	49.85	0	0	1	5	931.25
113	St Georges Basin	0.11	1.22	14.22	38.78	0	0	3	9	450.71
	Total	5.11	83.56	386.87	733.94	0	1	6	12	6,362.23

**Table C.12. GURAS database and inundation modelling statistics of percentage of properties affected for TL type estuaries**

Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		10	25	50	90	100	10	25	50	90	100	10	25	50	90	100	10	25	50	90	100
050	Wallis Lake	226	21	13	14	8	377	85	42	55	58	303	299	114	171	243	219	163	228	362	805
058	Lake Macquarie	336	35	15	4	0	1,113	512	390	298	157	971	798	792	924	2,318	822	735	711	898	4,682
061	Tuggerah Lake	318	39	6	1	0	666	395	253	151	44	493	487	500	684	1,085	525	478	565	772	2,926
094	Lake Illawarra	16	1	1	0	0	114	21	4	2	0	188	169	100	53	17	252	241	220	306	303
113	St Georges Basin	90	4	0	0	0	336	95	32	11	0	412	322	168	101	101	243	436	260	194	457

*Note: Percentages indicate upper bound of range such that: 10 = 0–10%, 25 = 10–25%, 50 = 25–50%, 90 = 50–90%, 100 = 90–100%*

**Table C.13. GURAS database and inundation modelling statistics of types of road affected for TL type estuaries**

Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr
050	Wallis Lake	0.0	0.0	0.0	0.3	5.2	0.0	0.0	0.0	7.4	13.3	0.0	0.0	0.8	27.1	25.8	0.0	0.0	6.1	41.6	36.6
058	Lake Macquarie	0.0	0.0	0.0	0.2	0.6	0.0	0.0	0.0	14.5	6.1	0.0	1.2	0.9	65.5	18.8	0.0	4.9	3.3	106.1	30.4
061	Tuggerah Lake	0.0	0.0	0.0	0.2	0.6	0.0	0.0	0.0	6.4	13.3	0.0	0.1	0.4	33.9	21.8	0.0	0.3	2.5	66.4	28.1
094	Lake Illawarra	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	3.9	5.4	0.0	0.0	4.0	16.1	12.7
113	St Georges Basin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.2	0.0	0.0	0.7	5.5	4.1	0.0	0.0	1.8	16.6	6.5

*Note: Mo = motorway; Pr = primary road; Ar = arterial road; Lo = local road; Tr = track*

## Small Rivers (SRs)

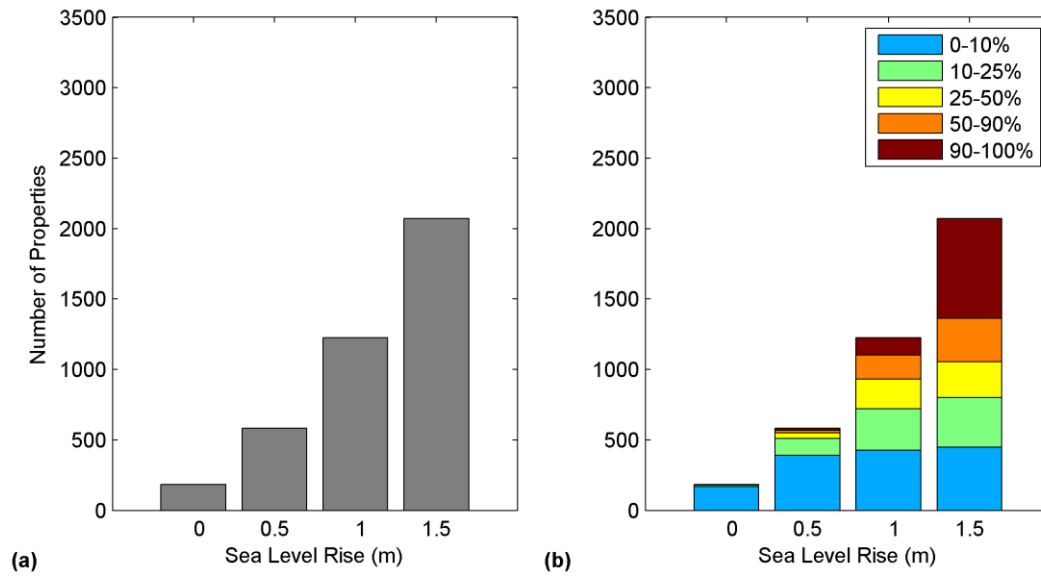


Figure C.5. GURAS database and inundation modelling results for Small River (SR) type estuaries: (a) Number of properties affected; (b) Percentage of each property affected

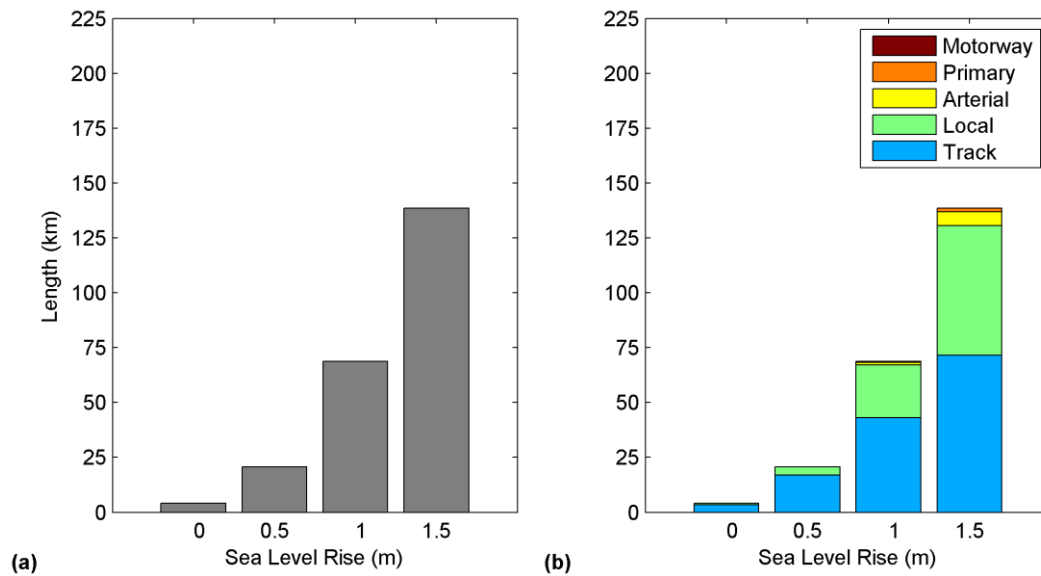


Figure C.6. GURAS database and inundation modelling results for SR type estuaries: (a) Kilometres of roads affected; (b) Breakdown of road types affected

**Table C.14. GURAS database and inundation modelling statistics of properties affected for SR type estuaries**

Estuary no.	Estuary name	No. of properties				% properties in catchment				Total properties
		0	0.5	1	1.5	0	0.5	1	1.5	
002	Cudgen Creek	10	29	58	75	0	1	2	2	3,190
003	Cudgera Creek	10	22	34	83	0	1	2	4	2,113
004	Mooball Creek	3	5	14	54	0	0	1	3	1,565
011	Evans River	6	15	22	35	0	1	2	3	1,246
019	Corindi River	16	22	23	35	5	7	7	11	309
026	Moonee Creek	9	14	18	19	1	1	2	2	1,039
028	Coffs Creek	8	12	24	43	0	0	1	2	2,564
029	Boambee Creek	18	51	93	138	0	1	2	3	4,124
030	Bonville Creek	22	87	125	152	1	2	3	4	4,070
038	South West Rocks Creek	20	25	26	30	2	2	3	3	1,025
040	Korogoro Creek	0	0	1	1	0	0	0	0	329
096	Minnamurra River	9	22	28	45	1	1	2	3	1,641
100	Crooked River	1	9	18	26	0	1	1	2	1,426
104	Carama Creek	0	0	0	0	0	0	0	0	5
117	Conjola Lake	0	28	82	169	0	2	7	13	1,255
118	Narrawallee Inlet	3	7	17	24	1	2	4	5	465
122	Burrill Lake	9	79	219	475	1	5	15	33	1,450
131	Cullendulla Creek	2	14	30	55	0	1	3	6	934
135	Tomaga River	6	36	75	104	1	6	12	17	607
136	Candlagan Creek	0	6	13	37	0	1	3	8	489
149	Wagonga Inlet	6	34	134	177	0	2	10	13	1,380
156	Wallaga Lake	0	6	16	25	0	1	3	5	515
157	Bermagui River	9	10	38	79	1	1	4	8	995
160	Murrah River	3	3	6	7	23	23	46	54	13
162	Wapengo Lagoon	5	11	15	18	6	13	18	21	84
164	Nelson Lagoon	0	3	3	3	0	27	27	27	11
169	Merimbula Lake	3	19	67	127	0	1	3	5	2,549
170	Pambula River	2	6	12	20	0	1	1	2	920
175	Towamba River	1	1	2	3	2	2	3	5	66
180	Wonboyn River	1	7	11	12	1	4	7	7	167
	Total	182	583	1,224	2,071	1	2	4	6	36,546

**Table C.15. GURAS database and inundation modelling statistics of roads affected for SR type estuaries**

Estuary no.	Estuary name	Length of road (km)				% of length of road				Total length of road (km)
		0	0.5	1	1.5	0	0.5	1	1.5	
002	Cudgen Creek	0.21	2.40	6.40	10.11	0	2	6	9	111.38
003	Cudgera Creek	0.02	1.11	3.79	7.83	0	2	7	14	56.87
004	Mooball Creek	0.29	0.40	2.00	9.02	0	0	2	10	90.54
011	Evans River	0.29	0.80	3.11	9.41	0	1	4	11	84.55
019	Corindi River	1.01	5.02	8.57	11.61	2	11	19	26	44.08
026	Moonee Creek	0.06	0.21	0.72	1.65	0	0	1	3	62.33
028	Coffs Creek	0.20	0.44	1.10	2.02	0	1	2	4	46.06
029	Boambee Creek	0.00	0.09	0.89	2.86	0	0	1	3	111.75
030	Bonville Creek	0.06	0.24	2.60	4.71	0	0	2	3	168.40
038	South West Rocks Creek	0.02	0.26	1.23	1.78	0	1	5	8	23.15
040	Korogoro Creek	0.09	0.97	3.09	4.48	0	3	9	13	33.30
096	Minnamurra River	0.03	0.76	2.04	3.68	0	1	2	4	87.01
100	Crooked River	0.00	0.00	0.57	4.14	0	0	1	5	77.92
104	Carama Creek	0.00	0.13	0.42	1.24	0	1	4	11	11.47
117	Conjola Lake	0.00	0.10	3.25	8.33	0	0	4	11	73.32
118	Narrawallee Inlet	0.24	0.39	2.47	3.85	1	2	10	15	25.19
122	Burrill Lake	0.01	0.16	2.42	9.20	0	0	3	13	71.24
131	Cullendulla Creek	0.00	0.02	0.12	0.21	0	0	0	1	39.15
135	Tomaga River	0.06	0.21	0.71	1.81	0	1	2	5	34.42
136	Candlagan Creek	0.02	0.45	1.39	1.66	0	1	2	3	61.73
149	Wagonga Inlet	0.07	1.87	8.21	12.76	0	2	8	12	102.76
156	Wallaga Lake	0.33	0.73	2.10	4.39	0	1	2	4	115.44
157	Bermagui River	0.54	2.18	5.35	8.73	1	3	8	13	65.13
160	Murrah River	0.00	0.00	0.05	0.22	0	0	0	1	18.37
162	Wapengo Lagoon	0.01	0.07	1.77	3.74	0	0	3	7	55.03
164	Nelson Lagoon	0.22	0.39	0.57	0.92	1	2	3	5	17.63
169	Merimbula Lake	0.00	0.16	1.54	3.89	0	0	3	8	47.94
170	Pambula River	0.00	0.02	0.63	2.25	0	0	1	2	102.38
175	Towamba River	0.00	0.00	0.00	0.03	0	0	0	0	98.27
180	Wonboyn River	0.39	1.02	1.56	2.00	1	1	2	3	77.82

Estuary no.	Estuary name	Length of road (km)				% of length of road				Total length of road
	Total	4.17	20.6 0	68.67	138.5 3	0	1	3	7	2,014.63

**Table C.16. GURAS database and inundation modelling statistics of power lines affected for SR type estuaries**

Estuary no.	Estuary name	Length of power lines (km)				% of length of power line				Total length of power line (km)
		0	0.5	1	1.5	0	0.5	1	1.5	
002	Cudgen Creek	0.16	0.91	2.11	4.84	0	1	1	3	168.64
003	Cudgera Creek	0.12	0.89	1.81	4.72	0	1	2	5	90.98
004	Mooball Creek	0.04	0.06	2.18	4.96	0	0	3	6	80.88
011	Evans River	0.20	0.33	1.70	4.58	0	1	3	7	64.13
019	Corindi River	0.03	0.58	0.95	1.82	0	2	3	6	29.23
026	Moonee Creek	0.02	0.03	0.12	0.33	0	0	0	0	82.15
028	Coffs Creek	0.06	0.13	0.51	1.63	0	0	1	2	72.95
029	Boambee Creek	0.10	1.11	3.19	6.83	0	1	2	3	198.51
030	Bonville Creek	0.10	0.24	0.91	1.68	0	0	0	1	194.07
038	South West Rocks Creek	0.08	0.11	0.16	0.68	0	0	0	2	38.62
040	Korogoro Creek	0.10	0.23	0.45	0.60	0	1	2	2	29.05
096	Minnamurra River	0.05	0.25	2.38	4.60	0	0	4	8	58.63
100	Crooked River	0.04	0.20	0.73	1.58	0	0	1	2	88.85
104	Carama Creek	0.00	0.00	0.00	0.14	0	0	0	4	3.69
117	Conjola Lake	0.01	0.21	2.86	7.84	0	0	3	9	87.06
118	Narrawallee Inlet	0.00	0.02	0.12	0.28	0	0	0	1	26.50
122	Burrill Lake	0.00	0.21	4.89	19.75	0	0	5	20	98.10
131	Cullendulla Creek	0.02	0.51	0.94	1.08	0	1	2	2	58.10
135	Tomaga River	0.17	1.08	3.83	6.71	0	2	8	15	45.78
136	Candlagan Creek	0.04	0.30	2.31	2.46	0	1	5	5	48.67
149	Wagonga Inlet	0.32	3.12	10.51	15.61	0	3	12	17	90.26
156	Wallaga Lake	0.00	0.72	1.18	1.92	0	1	2	3	55.86
157	Bermagui River	0.26	0.63	3.63	7.67	0	1	6	14	56.30
160	Murrah River	0.13	0.31	1.26	1.77	2	4	17	23	7.57

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Estuary no.	Estuary name	Length of power lines (km)				% of length of power line				Total length of power line (km)
		0	0.5	1	1.5	0	0.5	1	1.5	
162	Wapengo Lagoon	0.17	0.41	1.41	2.08	1	2	5	8	27.03
164	Nelson Lagoon	0.00	0.00	0.00	0.00	0	0	0	0	0.00
169	Merimbula Lake	0.60	0.98	3.29	7.13	1	1	4	9	81.22
170	Pambula River	0.07	0.15	0.91	1.19	0	0	1	1	86.74
175	Towamba River	0.08	0.21	0.32	0.39	0	1	1	1	27.32
180	Wonboyn River	0.02	0.07	0.18	0.32	0	0	1	1	25.95
	Total	2.99	14.00	54.84	115.1 9	0	1	3	6	2,022.84

**Table C.17. GURAS database and inundation modelling statistics of percentage of properties affected for SR type estuaries**

Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		10	25	50	90	100	10	25	50	90	100	10	25	50	90	100	10	25	50	90	100
002	Cudgen Creek	10	0	0	0	0	22	6	0	1	0	35	19	2	2	0	25	33	8	8	1
003	Cudgera Creek	10	0	0	0	0	14	4	1	3	0	11	12	3	8	0	12	8	10	22	31
004	Mooball Creek	2	1	0	0	0	3	0	2	0	0	3	5	3	2	1	19	6	13	9	7
011	Evans River	6	0	0	0	0	9	5	0	1	0	10	6	2	1	3	8	9	5	7	6
019	Corindi River	16	0	0	0	0	18	4	0	0	0	15	5	3	0	0	14	6	6	6	3
026	Moonee Creek	8	1	0	0	0	13	1	0	0	0	12	5	1	0	0	8	7	4	0	0
028	Coffs Creek	6	2	0	0	0	6	6	0	0	0	14	6	2	1	1	22	10	5	3	3
029	Boambee Creek	18	0	0	0	0	31	15	3	2	0	30	28	27	7	1	43	31	24	35	5
030	Bonville Creek	21	1	0	0	0	77	9	1	0	0	63	39	19	4	0	49	52	31	20	0
038	South West Rocks Creek	20	0	0	0	0	23	2	0	0	0	10	16	0	0	0	14	5	11	0	0
040	Korogoro Creek	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
096	Minnamurra River	8	0	1	0	0	17	1	2	1	1	12	8	2	3	3	17	17	2	3	6
100	Crooked River	0	1	0	0	0	8	0	1	0	0	6	3	5	1	3	4	4	5	9	4
104	Carama Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



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Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		10	25	50	90	100	10	25	50	90	100	10	25	50	90	100	10	25	50	90	100
117	Conjola Lake	0	0	0	0	0	21	6	1	0	0	27	32	11	9	3	40	34	26	23	46
118	Narrawallee Inlet	2	1	0	0	0	2	2	2	1	0	6	5	2	4	0	4	10	5	2	3
122	Burrill Lake	8	0	0	1	0	50	20	8	0	1	44	38	62	58	17	31	24	24	75	321
131	Cullendulla Creek	2	0	0	0	0	5	6	3	0	0	13	6	8	3	0	23	12	10	8	2
135	Tomaga River	6	0	0	0	0	15	8	7	1	5	12	19	15	17	12	6	16	16	24	42
136	Candlagan Creek	0	0	0	0	0	2	4	0	0	0	4	3	4	2	0	8	6	7	12	4
149	Wagonga Inlet	6	0	0	0	0	12	6	4	5	7	30	14	18	28	44	24	8	3	5	137
156	Wallaga Lake	0	0	0	0	0	5	0	1	0	0	11	2	1	2	0	12	6	4	3	0
157	Bermagui River	6	3	0	0	0	4	6	0	0	0	12	8	4	6	8	10	17	14	11	27
160	Murrah River	3	0	0	0	0	2	1	0	0	0	3	1	1	1	0	3	1	1	2	0
162	Wapengo Lagoon	5	0	0	0	0	9	1	1	0	0	8	4	2	0	1	9	5	3	0	1
164	Nelson Lagoon	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3	0	0	0	0	3
169	Merimbula Lake	3	0	0	0	0	11	4	3	1	0	20	6	9	10	22	24	19	12	16	56
170	Pambula River	2	0	0	0	0	6	0	0	0	0	9	2	1	0	0	13	5	1	1	0
175	Towamba River	1	0	0	0	0	1	0	0	0	0	2	0	0	0	0	3	0	0	0	0
180	Wonboyn River	1	0	0	0	0	6	1	0	0	0	5	1	3	2	0	4	2	2	4	0

*Note: Percentages indicate upper bound of range such that: 10 = 0–10%, 25 = 10–25%, 50 = 25–50%, 90 = 50–90%, 100 = 90–100%*

**Table C.18. GURAS database and inundation modelling statistics of types of roads affected for Small River (SR) type estuaries**

Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr
002	Cudgen Creek	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1	2.4	0.0	0.0	0.0	0.3	6.1	0.0	0.0	0.0	2.8	7.3
003	Cudgera Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0	0.0	0.0	0.0	1.6	2.2	0.0	0.0	0.1	5.1	2.7
004	Mooball Creek	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.1	4.3	4.7
011	Evans River	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.1	0.7	0.0	0.0	0.3	1.4	1.5	0.0	0.0	0.5	4.3	4.6
019	Corindi River	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0	0.1	11.5
026	Moonee Creek	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	1.7
028	Coffs Creek	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.1	1.0	0.0	0.0	0.2	0.5	1.4
029	Boambee Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.8	0.0	0.0	0.4	1.3	1.2
030	Bonville Creek	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3	2.3	0.0	0.0	0.0	0.4	4.4
038	South West Rocks Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.5	0.7	0.0	0.0	0.0	0.8	0.9
040	Korogoro Creek	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.8	0.0	0.0	0.0	0.4	2.7	0.0	0.0	0.3	0.5	3.7
096	Minnamurra River	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.5	1.5	0.0	0.0	0.0	1.3	2.4
100	Crooked River	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.1	0.0	0.0	0.0	1.4	2.8

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Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr
104	Carama Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.5	0.0	0.7
117	Conjola Lake	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	2.7	0.6	0.0	0.0	0.4	6.5	1.5
118	Narrawallee Inlet	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	3.9
122	Burrill Lake	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	2.0	0.3	0.0	0.5	0.3	7.5	1.0
131	Cullendulla Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2
135	Tomaga River	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.3	0.3	0.2	0.0	0.0	0.4	1.2	0.2
136	Candlagan Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.6
149	Wagonga Inlet	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	1.5	0.4	0.0	0.2	0.3	6.5	1.2	0.0	1.0	0.4	9.7	1.7
156	Wallaga Lake	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.1	0.6	0.0	0.0	0.0	0.4	1.8	0.0	0.0	0.7	0.8	2.9
157	Bermagui River	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.2	2.0	0.0	0.0	0.3	2.2	2.8	0.0	0.0	0.9	4.5	3.4
160	Murrah River	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2
162	Wapengo Lagoon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.2	1.5	0.0	0.0	0.3	0.4	3.1
164	Nelson Lagoon	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.5	0.1	0.0	0.0	0.0	0.5	0.4
169	Merimbula Lake	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1	1.4	0.1	0.0	0.0	0.6	3.0	0.3
170	Pambula River	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.1	0.0	0.2	0.1	1.7	0.3
175	Towamba River	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr
180	Wonboyn River	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.6	0.5	0.0	0.0	0.0	0.6	0.9	0.0	0.0	0.1	0.7	1.2

*Note: Mo = motorway; Pr = primary road; Ar = arterial road; Lo = local road; Tr = track*

## Large Rivers (LRs)

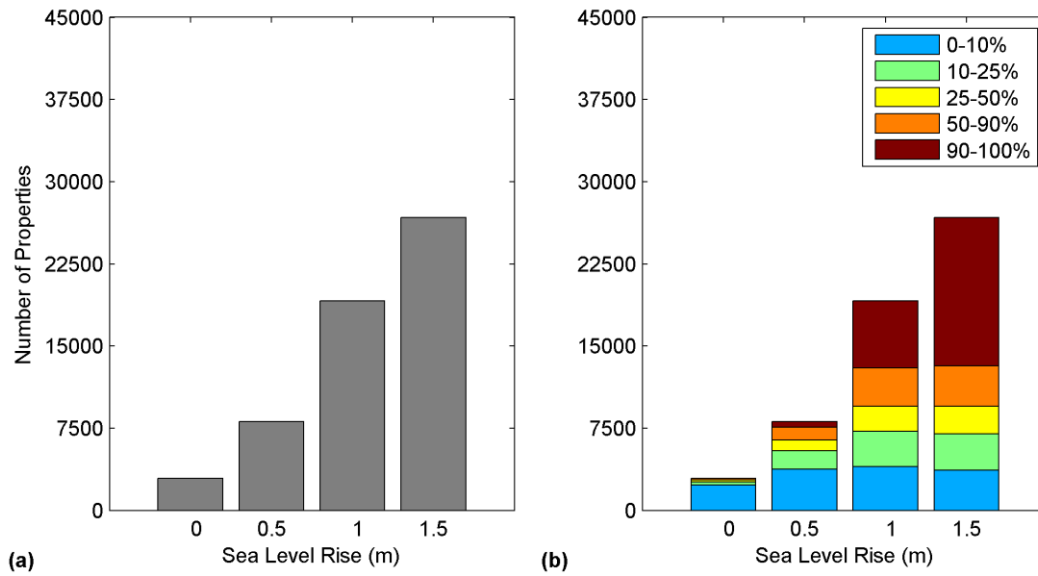


Figure C.7. GURAS database and inundation modelling results for Large River (LR) type estuaries: (a) Number of properties affected; (b) Percentage of each property affected

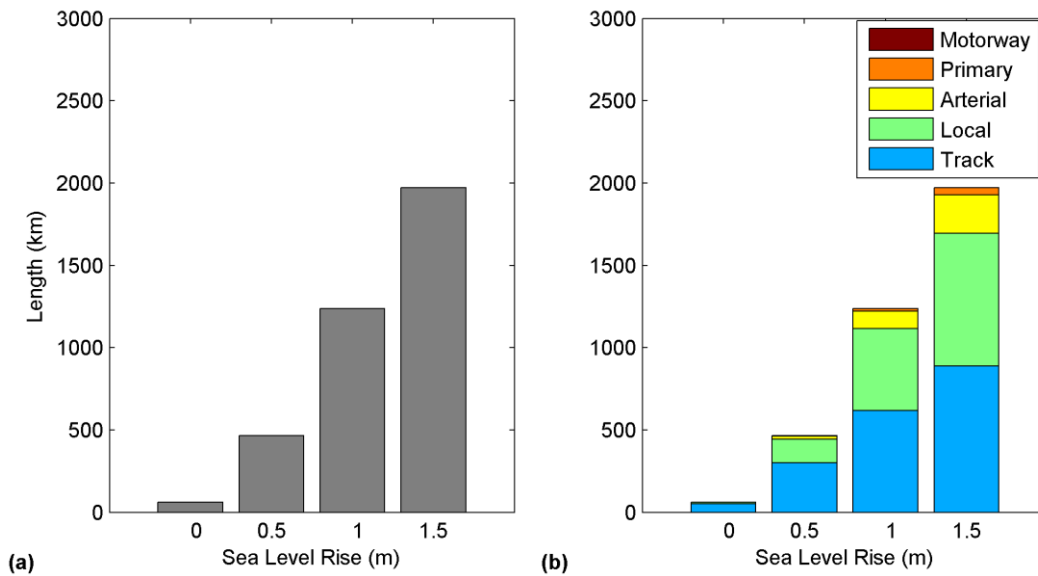


Figure C.8. GURAS database and inundation modelling results for LR type estuaries: (a) Kilometres of roads affected; (b) Breakdown of road types affected

**Table C.19. GURAS database and inundation modelling statistics of properties affected for LR type estuaries**

Estuary no.	Estuary name	No. of properties				% properties in catchment				Total properties
		0	0.5	1	1.5	0	0.5	1	1.5	
001	Tweed River	539	963	2,453	3,867	2	3	7	11	34,383
005	Brunswick River	24	115	370	606	0	2	7	12	5,113
009	Richmond River	327	1,063	4,314	5,164	1	3	13	15	34,317
013	Clarence River	390	733	1,666	2,764	2	3	7	12	22,614
016	Sandon River	0	0	0	0	0	0	0	0	42
017	Wooli Wooli River	3	13	52	109	1	3	12	25	436
032	Bellinger River	46	152	297	410	1	4	7	10	4,159
036	Nambucca River	65	126	225	434	1	2	4	8	5,252
037	Macleay River	165	394	645	757	2	4	7	8	9,094
043	Hastings River	608	977	1,180	1,347	3	5	6	7	20,104
046	Camden Haven River	11	126	516	813	0	2	9	14	5,642
047	Manning River	168	504	854	1,357	1	3	6	9	15,128
052	Myall River	27	269	586	1,180	1	6	12	25	4,764
054	Tilligerry Creek	107	375	758	1,059	2	8	17	23	4,539
066	Brisbane Water	295	1,814	4,067	5,395	1	4	8	11	50,964
101	Shoalhaven River	102	323	794	1,025	1	2	4	6	18,008
107	Currambene Creek	6	53	158	209	1	6	18	24	877
138	Moruya River	22	50	99	154	1	2	5	7	2,186
143	Tuross River	10	22	42	61	2	4	7	10	615
165	Bega River	7	14	21	26	2	4	6	8	339
	Total	2,922	8,086	19,097	26,737	2	4	9	12	23,8576

**Table C.20. GURAS database and inundation modelling statistics of roads affected for LR type estuaries**

Estuary no.	Estuary name	Length of road (km)				% of length of road				Total length of road (km)
		0	0.5	1	1.5	0	0.5	1	1.5	
001	Tweed River	1.26	61.81	149.98	257.63	0	7	16	28	920.64
005	Brunswick River	0.07	2.11	9.50	23.25	0	1	5	13	185.36
009	Richmond River	20.08	96.98	291.55	438.28	1	4	12	17	2,518.24
013	Clarence River	21.18	92.03	208.51	305.42	1	4	9	14	2,217.92
016	Sandon River	0.03	0.27	0.84	2.04	0	0	1	2	110.15
017	Wooli Wooli River	0.13	3.44	7.61	13.69	0	3	7	12	111.96
032	Bellinger River	0.20	1.67	11.37	24.74	0	0	3	5	453.45
036	Nambucca River	0.18	3.19	8.90	21.18	0	1	2	5	423.04
037	Macleay River	5.50	38.89	86.85	140.05	1	5	10	16	859.54
043	Hastings River	2.80	32.24	99.26	154.46	0	3	10	16	974.04
046	Camden Haven River	0.35	7.71	24.69	37.36	0	1	5	7	528.78
047	Manning River	0.21	38.00	104.16	178.29	0	4	10	18	1,009.61
052	Myall River	2.99	13.45	33.15	59.84	0	2	5	9	645.06
054	Tilligerry Creek	1.21	23.45	44.97	76.42	0	8	15	26	290.32
066	Brisbane Water	0.30	10.60	53.76	80.86	0	1	7	11	726.23
101	Shoalhaven River	4.41	34.76	87.33	128.89	1	4	11	17	777.36
107	Currambene Creek	0.01	0.72	4.73	6.83	0	1	4	5	124.31
138	Moruya River	0.30	2.43	7.50	13.56	0	1	4	7	188.36
143	Tuross River	0.03	0.35	3.08	6.83	0	0	1	3	215.26
165	Bega River	0.00	0.06	0.77	2.13	0	0	1	2	91.84
	Total	61.24	464.16	1,238.51	1,971.75	0	3	9	15	13,371.47

**Table C.21. GURAS database and inundation modelling statistics of power lines affected for LR type estuaries**

Estuary no.	Estuary name	Length of power line (km)				% of length of power line				Total length of power line (km)
		0	0.5	1	1.5	0	0.5	1	1.5	
001	Tweed River	6.35	43.83	181.97	311.41	0	3	13	22	1,444.93
005	Brunswick River	0.10	2.82	11.57	23.09	0	1	5	10	234.91
009	Richmond River	14.94	71.27	0.00	408.16	1	3	0	15	2,667.25
013	Clarence River	14.85	63.30	167.75	274.65	1	3	9	14	1,916.68
016	Sandon River	0.38	0.50	0.69	0.88	15	20	27	34	2.56
017	Wooli Wooli River	0.04	0.64	2.13	4.48	0	3	9	19	23.31
032	Bellinger River	0.39	2.92	19.19	34.87	0	1	6	10	347.63
036	Nambucca River	0.95	7.45	18.95	36.88	0	1	4	7	508.60
037	Macleay River	16.64	51.54	110.01	157.61	2	5	10	15	1,084.21
043	Hastings River	5.29	43.67	91.34	132.04	1	4	9	13	1,031.69
046	Camden Haven River	0.36	4.92	27.52	42.55	0	1	8	12	364.73
047	Manning River	1.44	45.30	111.57	186.65	0	4	9	15	1,242.54
052	Myall River	1.29	14.33	33.49	63.39	0	4	8	16	395.52
054	Tilligerry Creek	4.01	57.28	102.08	153.87	1	14	26	39	395.04
066	Brisbane Water	0.69	29.94	122.26	172.80	0	2	8	11	1,526.16
101	Shoalhaven River	3.03	24.87	84.44	124.13	0	3	9	13	972.51
107	Currambene Creek	0.00	0.45	3.41	5.66	0	0	3	5	111.88
138	Moruya River	0.19	2.59	6.75	13.09	0	1	4	7	192.31
143	Tuross River	0.17	1.14	2.32	6.51	0	1	2	6	103.88
165	Bega River	0.21	0.48	0.78	1.64	0	1	2	3	48.11
	Total	71.32	469.24	1,098.22	2,154.36	0	3	8	15	14,614.45



**Table C.22. GURAS database and inundation modelling statistics of percentage of properties affected for LR type estuaries**

Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		10	25	50	90	100	10	25	50	90	100	10	25	50	90	100	10	25	50	90	100
001	Tweed River	494	28	9	8	0	604	233	54	54	18	680	608	238	357	570	601	698	485	402	1,681
005	Brunswick River	17	4	3	0	0	75	21	14	5	0	155	51	46	62	56	165	84	55	85	217
009	Richmond River	231	32	28	29	7	504	237	122	144	56	566	493	641	959	1,655	285	155	179	390	4,155
013	Clarence River	281	40	36	26	7	373	125	95	98	42	475	318	188	284	401	600	427	286	443	1,008
016	Sandon River	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
017	Wooli Wooli River	3	0	0	0	0	10	1	1	1	0	14	9	6	7	16	6	10	12	26	55
032	Bellinger River	39	6	0	1	0	106	31	10	3	2	118	65	50	57	7	120	90	71	72	57
036	Nambucca River	55	5	5	0	0	69	29	16	12	0	106	53	31	31	4	147	101	92	57	37
037	Macleay River	82	16	29	31	7	118	52	64	110	50	158	71	90	163	163	161	67	96	183	250
043	Hastings River	562	28	13	4	1	411	307	62	120	77	183	534	79	95	289	138	562	133	113	401
046	Camden Haven River	9	2	0	0	0	59	21	26	17	3	64	43	46	93	270	76	62	56	96	523
047	Manning River	139	16	9	3	1	216	96	78	91	23	256	147	125	195	131	290	189	185	295	398
052	Myall River	17	5	2	3	0	98	35	35	48	53	172	57	49	68	240	193	212	113	164	498
054	Tilligerry Creek	37	29	16	23	2	51	40	50	132	102	74	69	93	247	275	44	39	69	246	661

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Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		10	25	50	90	100	10	25	50	90	100	10	25	50	90	100	10	25	50	90	100
066	Brisbane Water	251	33	7	3	1	872	375	273	230	64	731	581	444	623	1,688	600	447	499	888	2,961
101	Shoalhaven River	73	11	9	9	0	82	64	80	85	12	99	78	117	217	283	109	92	97	166	561
107	Currambene Creek	5	1	0	0	0	34	10	6	3	0	38	40	32	21	27	32	48	40	38	51
138	Moruya River	17	2	3	0	0	26	11	6	6	1	37	21	16	14	11	46	31	25	23	29
143	Tuross River	10	0	0	0	0	16	4	2	0	0	28	7	6	1	0	37	12	7	4	1
165	Bega River	7	0	0	0	0	13	1	0	0	0	19	1	1	0	0	22	1	3	0	0

*Note: Percentages indicate upper bound of range such that: 10 = 0–10%, 25 = 10–25%, 50 = 25–50%, 90 = 50–90%, 100 = 90–100%*

**Table C.23. GURAS database and inundation modelling statistics of types of roads affected for LR type estuaries**

Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr
001	Tweed River	0.0	0.0	0.0	0.1	1.1	0.0	0.7	2.7	16.2	42.2	0.0	1.4	16.6	62.6	69.4	0.0	7.2	35.1	117.6	97.8
005	Brunswick River	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.1	0.7	1.1	0.0	0.3	0.2	5.5	3.5	0.0	0.3	3.0	12.9	7.1
009	Richmond River	0.0	0.0	0.4	1.3	18.4	0.0	1.4	6.2	25.1	64.4	0.0	10.5	29.1	121.4	130.6	0.0	19.0	51.6	181.5	186.2
013	Clarence River	0.0	0.0	0.0	4.0	17.2	0.0	0.3	0.3	31.8	59.7	0.0	4.9	4.4	88.4	110.8	0.0	7.3	14.2	147.5	136.4
016	Sandon River	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.5	0.0	0.3	0.0	0.0	0.8	0.0	1.2
017	Wooli Wooli River	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.4	3.1	0.0	0.0	0.2	1.2	6.2	0.0	0.0	0.8	2.2	10.7
032	Bellinger River	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.8	0.8	0.0	0.1	0.4	6.4	4.5	0.0	0.1	2.4	12.0	10.3
036	Nambucca River	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	1.0	2.2	0.0	0.0	0.2	3.3	5.4	0.0	2.4	4.6	4.7	9.5
037	Macleay River	0.0	0.0	0.2	1.3	4.0	0.0	0.0	0.7	12.8	25.5	0.0	0.4	4.7	28.4	53.3	0.0	2.6	15.6	46.2	75.8
043	Hastings River	0.0	0.0	0.0	1.0	1.8	0.0	0.0	2.8	9.5	20.0	0.0	0.0	14.0	33.5	51.7	0.0	0.0	27.0	48.4	79.0
046	Camden Haven River	0.0	0.0	0.0	0.1	0.3	0.0	0.0	1.0	1.7	5.0	0.0	0.0	4.3	10.2	10.3	0.0	0.0	5.4	17.0	14.9
047	Manning River	0.0	0.0	0.0	0.2	0.1	0.0	0.1	0.0	10.4	27.5	0.0	0.1	4.8	38.1	61.1	0.0	2.7	13.9	61.0	100.7
052	Myall River	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.6	4.1	8.8	0.0	0.0	3.0	10.4	19.8	0.0	0.0	8.9	21.5	29.5
054	Tilligerry Creek	0.0	0.0	0.0	0.2	1.0	0.0	0.0	0.2	9.9	13.4	0.0	0.0	1.9	18.9	24.2	0.0	0.0	15.8	28.7	31.9
066	Brisbane Water	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.2	8.1	2.2	0.0	0.5	5.2	40.4	7.7	0.0	1.2	8.5	60.0	11.2

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Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr
101	Shoalhaven River	0.0	0.0	0.0	0.4	4.0	0.0	0.0	3.5	9.0	22.3	0.0	0.0	11.9	25.6	49.8	0.0	0.0	19.7	38.5	70.7
107	Currambene Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	0.0	0.0	0.7	0.6	3.4	0.0	0.0	1.1	1.6	4.2
138	Moruya River	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.1	0.9	1.5	0.0	0.0	2.3	2.1	3.0	0.0	0.4	4.0	4.4	4.8
143	Tuross River	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	2.8	0.0	0.0	0.1	0.9	5.9
165	Bega River	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.5	0.2	1.5

*Note: Mo = motorway; Pr = primary road; Ar = arterial road; Lo = local road; Tr = track*

## Intermittently Closed and Open Lakes and Lagoons – gauged (ICOLLs)

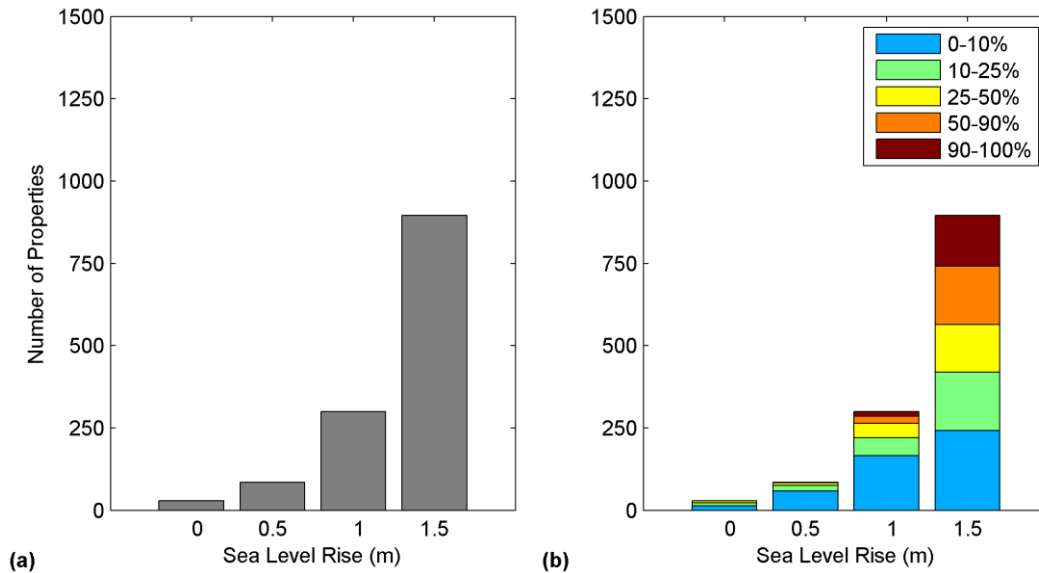


Figure C.9. GURAS database and inundation modelling results for gauged Intermittently Closed and Open Lakes and Lagoons (ICOLL) type estuaries: (a) Number of properties affected; (b) Percentage of each property affected

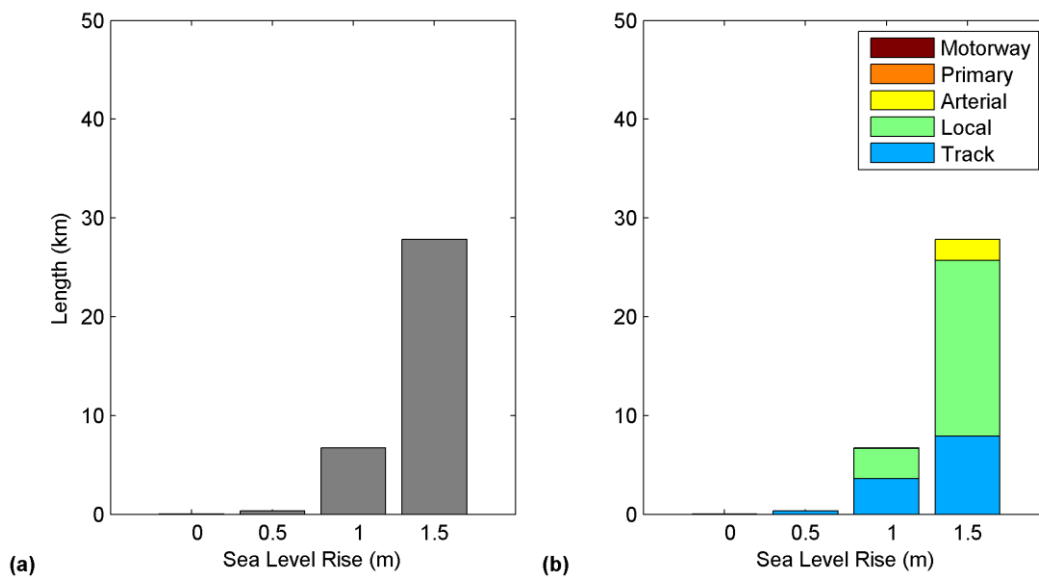


Figure C.10. GURAS database and inundation modelling results for gauged ICOLL type estuaries: (a) Kilometres of roads affected; (b) Breakdown of road types affected

**Table C.24. GURAS database and inundation modelling statistics of properties affected for ICOLL type estuaries**

Estuary no.	Estuary name	No. of properties				% properties in catchment				Total properties
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
023	Woolgoolga Lake	0	0	17	51	0	0	2	6	855
035	Deep Creek	6	26	49	58	1	4	7	8	690
041	Killick Creek	0	1	23	30	0	0	3	4	841
070	Narrabeen Lagoon	0	20	92	277	0	0	1	4	6,701
073	Manly Lagoon	1	6	19	126	0	0	0	2	6,338
095	Elliot Lake	5	8	43	247	0	0	1	8	2,949
103	Curarong Creek	17	19	25	36	6	7	10	14	262
123	Tabourie Lake	0	0	26	62	0	0	6	14	450
171	Curalo Lagoon	0	5	5	8	0	0	0	1	1,269
Total		29	85	299	895	1	1	2	5	20,355

**Table C.25. GURAS database and inundation modelling statistics of roads affected for ICOLL type estuaries**

Estuary no.	Estuary name	Length of road (km)				% length of road				Total length of road (km)
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
023	Woolgoolga Lake	0.00	0.00	0.05	0.88	0	0	0	7	12.80
035	Deep Creek	0.01	0.14	0.56	1.33	0	0	1	1	92.10
041	Killick Creek	0.01	0.15	1.35	2.28	0	1	6	10	21.81
070	Narrabeen Lagoon	0.00	0.00	1.38	6.94	0	0	2	8	87.80
073	Manly Lagoon	0.00	0.00	0.63	5.03	0	0	2	14	35.67
095	Elliot Lake	0.00	0.00	1.18	6.66	0	0	3	18	36.54
103	Curarong Creek	0.00	0.07	0.52	2.44	0	0	3	13	18.78
123	Tabourie Lake	0.00	0.00	0.11	0.78	0	0	0	2	31.79
171	Curalo Lagoon	0.00	0.00	0.96	1.49	0	0	2	3	53.99
Total		0.02	0.36	6.74	27.83	0	0	2	7	391.28

**Table C.26. GURAS database and inundation modelling statistics of power lines affected for ICOLL type estuaries**

Estuary no.	Estuary name	Length of power line (km)				% length of power line				Total length of power line (km)
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
023	Woolgoolga Lake	0.00	0.01	0.18	0.80	0	0	1	4	20.84
035	Deep Creek	0.05	0.31	1.01	2.21	0	0	1	3	75.59
041	Killick Creek	0.01	0.02	0.61	0.64	0	0	2	2	39.67
070	Narrabeen Lagoon	0.01	0.13	1.60	10.28	0	0	1	6	185.28
073	Manly Lagoon	0.00	0.01	0.95	7.04	0	0	1	6	108.37
095	Elliot Lake	0.00	0.06	0.58	8.61	0	0	1	9	91.16
103	Currarong Creek	0.03	0.05	0.23	0.96	0	0	2	8	11.75
123	Tabourie Lake	0.00	0.00	0.06	1.37	0	0	0	5	28.49
171	Curalo Lagoon	0.00	0.00	0.00	0.09	0	0	0	0	80.83
	Total	0.10	0.59	5.22	32.00	0	0	1	5	641.98

**Table C.27. GURAS database and inundation modelling statistics of percentage of properties affected for gauged ICOLL type estuaries**

Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		10	25	50	90	100	10	25	50	90	100	10	25	50	90	100	10	25	50	90	100
023	Woolgoolga Lake	0	0	0	0	0	0	0	0	0	0	13	3	0	1	0	20	11	7	7	6
035	Deep Creek	4	2	0	0	0	17	8	1	0	0	25	12	11	1	0	20	18	13	6	1
041	Killick Creek	0	0	0	0	0	1	0	0	0	0	4	1	11	2	5	7	4	0	5	14
070	Narrabeen Lagoon	0	0	0	0	0	17	2	1	0	0	67	18	4	3	0	72	78	59	48	20
073	Manly Lagoon	1	0	0	0	0	6	0	0	0	0	15	4	0	0	0	53	21	20	23	9
095	Elliot Lake	4	1	0	0	0	7	1	0	0	0	22	6	6	6	3	47	36	27	55	82
103	Curarong Creek	4	6	7	0	0	6	5	7	1	0	5	2	6	7	5	7	4	9	2	14
123	Tabourie Lake	0	0	0	0	0	0	0	0	0	0	13	6	4	3	0	13	5	6	31	7
171	Curalo Lagoon	0	0	0	0	0	5	0	0	0	0	2	2	1	0	0	3	1	3	1	0

*Note: Percentages indicate upper bound of range such that: 10 = 0–10%, 25 = 10–25%, 50 = 25–50%, 90 = 50–90%, 100 = 90–100%*



**Table C.28. GURAS database and inundation modelling statistics of types of roads affected for gauged ICOLL type estuaries**

Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr
023	Woolgoolga Lake	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.2
035	Deep Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.4	1.0
041	Killick Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	1.0	0.0	0.0	0.0	0.9	1.4
070	Narrabeen Lagoon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	0.0	0.0	0.0	4.5	2.4
073	Manly Lagoon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.9	2.4	1.7
095	Elliot Lake	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.1	0.0	0.0	0.5	5.6	0.6
103	Curarong Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.4	0.0	0.0	0.7	1.3	0.4
123	Tabourie Lake	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.8	0.0
171	Curalo Lagoon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.2	0.0	0.0	0.0	1.3	0.2

Note: Mo = motorway; Pr = primary road; Ar = arterial road; Lo = local road; Tr = track

## Intermittently Closed Open Lakes and Lagoons – non-gauged (NGI)

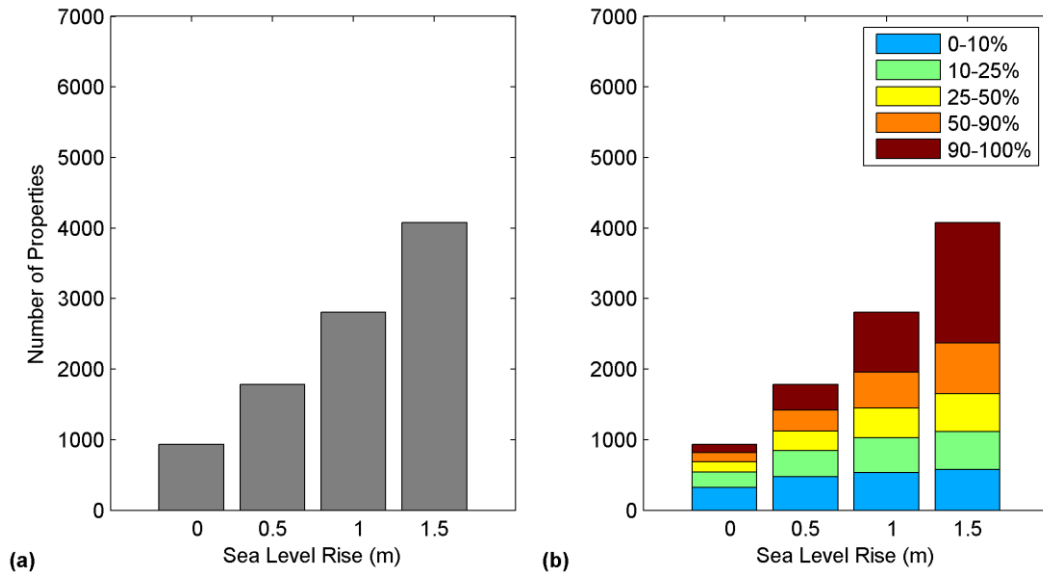


Figure C.11. GURAS database and inundation modelling results for non-gauged Intermittently Closed Open Lakes and Lagoons (NGI) type estuaries: (a) Number of properties affected; (b) Percentage of each property affected

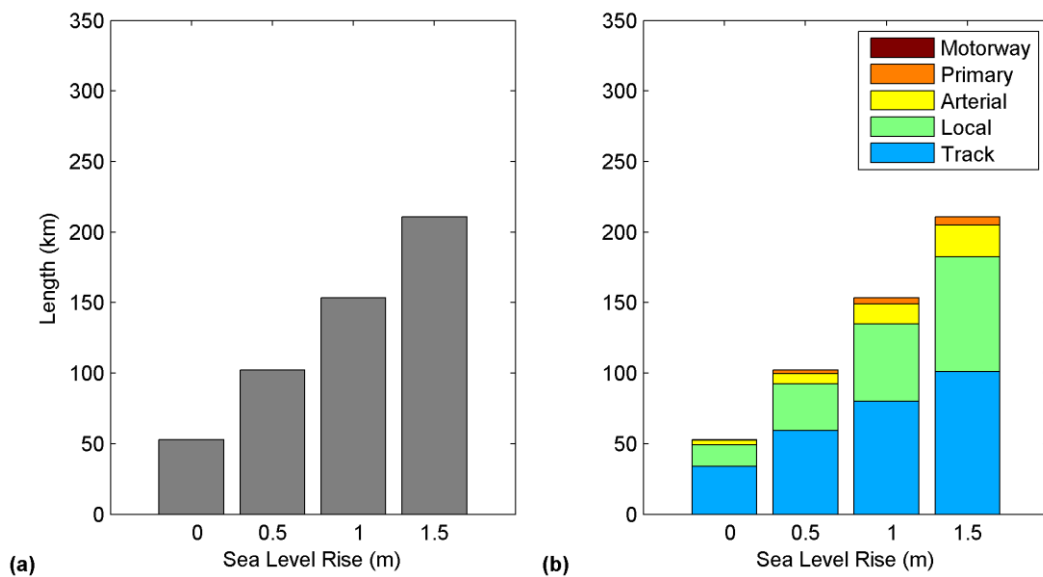


Figure C.12. GURAS database and inundation modelling results for NGI type estuaries: (a) Kilometres of roads affected; (b) Breakdown of road types affected

**Table C.29. GURAS database and inundation modelling statistics of properties affected for NGI type estuaries**

Estuary no.	Estuary name	No. of properties				% properties in catchment				Total properties
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
006	Belongil Creek	136	210	340	722	3	5	7	16	4,595
007	Tallow Creek	4	21	40	113	0	2	4	11	1,037
008	Broken Head Creek	0	1	3	13	0	1	3	12	112
010	Salty Lagoon	0	0	0	0	0	0	0	0	0
012	Jerusalem Creek	0	0	0	0	0	0	0	0	0
014	Lake Arragan	0	0	0	0	0	0	0	0	1
015	Cakora Lagoon	1	8	40	86	1	4	22	48	181
018	Station Creek	0	0	0	0	0	0	0	0	0
020	Pipe Clay Creek	0	0	0	0	0	0	0	0	35
021	Arrawarra Creek	9	11	12	13	9	11	12	13	97
022	Darkum Creek	1	2	4	6	0	1	1	2	340
024	Flat Top Point Creek	3	4	8	9	1	1	1	2	540
025	Hearns Lake	0	1	2	5	0	1	2	5	91
027	Pine Brush Creek	1	1	1	1	0	0	0	0	220
031	Bundageree Creek	0	0	0	0	0	0	0	0	1
033	Dalhousie Creek	5	7	7	7	20	28	28	28	25
034	Oyster Creek	0	0	3	6	0	0	1	2	294
039	Saltwater Creek (Frederickton)	7	11	16	16	0	1	1	1	1,878
042	Goolawah Lagoon	0	1	1	1	0	11	11	11	9
044	Cathie Creek	38	79	164	238	1	2	3	5	5,026
045	Duchess Gully	0	0	1	20	0	0	0	2	812
048	Khappinghat Creek	6	8	8	9	2	2	2	2	376
049	Black Head Lagoon	0	0	5	6	0	0	1	1	711
051	Smiths Lake	12	27	49	66	1	2	4	5	1,237

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Estuary no.	Estuary name	No. of properties				% properties in catchment				Total properties
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
057	Glenrock Lagoon	1	1	1	1	25	25	25	25	4
059	Middle Camp Creek	1	1	1	1	1	1	1	1	70
060	Moonee Beach Creek	0	0	0	0	0	0	0	0	2
062	Wamberal Lagoon	21	57	129	164	1	2	5	6	2,807
063	Terrigal Lagoon	139	262	364	441	3	5	7	8	5,335
064	Avoca Lake	90	139	173	212	3	5	6	8	2,790
065	Cockrone Lake	15	30	56	83	2	3	6	9	966
071	Dee Why Lagoon	0	9	41	91	0	0	0	1	10,684
072	Curl Curl Lagoon	0	20	47	69	0	0	1	1	5,902
082	Wattamolla Creek	0	0	0	0	0	0	0	0	3
083	Hargraves Creek	0	0	0	0	0	0	0	0	188
084	Stanwell Creek	2	2	2	4	2	2	2	4	111
085	Flanagans Creek	0	4	17	25	0	0	2	3	926
086	Woodlands Creek	0	0	0	0	0	0	0	0	463
087	Slacky Creek	1	4	15	25	0	0	1	2	1,093
088	Bellambi Gully	0	0	0	0	0	0	0	0	4,166
089	Bellambi Lake	0	3	8	19	0	0	1	1	1,573
090	Towradgi Creek	9	121	184	215	0	2	3	3	6,731
091	Fairy Creek	20	69	163	294	0	0	1	2	18,165
097	Spring Creek	0	0	0	2	0	0	0	0	779
098	Munna Munnora Creek	0	0	0	0	0	0	0	0	278
099	Werri Lagoon	94	130	148	165	13	18	21	23	706
102	Wollumboola Lake	40	50	91	116	5	7	12	16	748
105	Wowly Gully	0	0	0	0	0	0	0	0	421
106	Callala Creek	25	60	84	114	1	3	4	6	1,894

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Estuary no.	Estuary name	No. of properties				% properties in catchment				Total properties
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
108	Moona Moona Creek	52	105	144	180	3	6	9	11	1,618
109	Flat Rock Creek	0	0	0	0	0	0	0	0	5
110	Captains Beach Lagoon	0	0	0	0	0	0	0	0	0
111	Telegraph Creek	0	0	0	0	0	0	0	0	0
114	Swan Lake	0	1	2	6	0	0	0	1	491
115	Berrara Creek	3	10	19	30	1	4	8	13	225
116	Nerrindillah Creek	0	0	0	0	0	0	0	0	51
119	Mollymook Creek	1	1	2	4	0	0	0	0	1,006
120	Millards Creek	4	4	5	8	0	0	0	0	2,494
124	Termeil Lake	1	2	2	3	3	6	6	9	34
125	Meroo Lake	1	4	5	7	1	4	5	7	97
126	Willinga Lake	5	11	14	16	5	10	13	15	107
127	Butlers Creek	0	1	2	2	0	10	20	20	10
128	Durras Lake	10	33	49	64	6	20	29	38	169
129	Durras Creek	6	11	15	18	5	10	14	16	111
130	Maloneys Creek	4	4	7	10	1	1	2	3	371
134	Saltwater Creek (Rosedale)	3	10	23	26	2	5	12	13	196
137	Bengello Creek	0	0	0	0	0	0	0	0	48
139	Congo Creek	17	25	37	39	5	7	11	12	339
140	Meringo Creek	0	1	1	2	0	2	2	4	56
141	Kellys Lake	0	2	2	2	0	29	29	29	7
142	Coila Lake	11	15	28	39	1	2	3	5	842
144	Lake Brunderee	1	1	1	1	1	1	1	1	73
145	Lake Tarourga	0	0	0	1	0	0	0	20	5
146	Lake Brou	2	2	2	2	17	17	17	17	12

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Estuary no.	Estuary name	No. of properties				% properties in catchment				Total properties
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
147	Lake Mummuga	34	64	78	87	5	9	11	12	722
148	Kianga Lake	0	11	18	24	0	5	8	10	229
150	Little Lake (Narooma)	0	0	0	0	0	0	0	0	704
151	Bullengella Lake	0	1	1	1	0	100	100	100	1
152	Nangudga Lake	11	11	11	12	26	26	26	28	43
153	Corunna Lake	8	9	12	12	4	4	5	5	223
154	Tilba Tilba Lake	2	3	3	3	6	10	10	10	31
155	Little Lake (Wallaga)	0	0	0	0	0	0	0	0	9
158	Baragoot Lake	5	7	9	10	6	9	11	12	82
159	Cuttagee Lake	9	9	9	10	27	27	27	30	33
161	Bunga Lagoon	0	1	1	2	0	5	5	10	20
163	Middle Lagoon	3	3	3	3	4	4	4	4	79
166	Wallagoot Lake	8	8	9	9	6	6	7	7	132
167	Bournda Lagoon	0	0	0	0	0	0	0	0	0
168	Back Lagoon	34	39	43	46	4	5	5	6	788
172	Shadrachs Creek	6	6	6	6	55	55	55	55	11
173	Nullica River	5	5	7	8	14	14	20	23	35
174	Boydton Creek	3	6	8	8	5	11	14	14	57
176	Fisheries Creek	0	0	0	0	0	0	0	0	5
178	Saltwater Creek (Eden)	0	0	0	0	0	0	0	0	0
179	Woodburn Creek	0	0	0	0	0	0	0	0	1
181	Merrica River	0	0	0	0	0	0	0	0	0
182	Table Creek	0	0	0	0	0	0	0	0	0
183	Nadgee River	0	0	0	0	0	0	0	0	0
184	Nadgee Lake	0	0	0	0	0	0	0	0	0

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Estuary no.	Estuary name	No. of properties				% properties in catchment				Total properties
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
	Total	930	1,780	2,806	4,079	1	2	3	5	95,995

**Table C.30. GURAS database and inundation modelling statistics of roads affected for NGI type estuaries**

Estuary no.	Estuary name	Length of road (km)				% length of road				Total length of road (km)
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
006	Belongil Creek	6.09	11.48	16.04	26.77	7	13	18	31	87.10
007	Tallow Creek	0.00	0.19	0.71	1.70	0	1	5	11	15.50
008	Broken Head Creek	0.00	0.00	0.00	0.25	0	0	0	8	3.25
010	Salty Lagoon	0.00	0.42	0.76	1.13	0	16	28	41	2.74
012	Jerusalem Creek	0.20	0.61	1.41	1.80	2	6	14	17	10.43
014	Lake Arragan	0.00	0.00	0.11	0.64	0	0	1	4	15.74
015	Cakora Lagoon	0.04	0.47	1.87	3.74	0	2	9	19	19.89
018	Station Creek	0.13	0.41	0.64	1.03	2	5	8	13	7.83
020	Pipe Clay Creek	0.00	0.00	0.00	0.02	0	0	0	1	1.77
021	Arrawarra Creek	0.20	1.53	3.71	7.01	1	6	15	28	24.88
022	Darkum Creek	0.00	0.00	0.00	0.00	0	0	0	0	7.47
024	Flat Top Point Creek	0.03	0.18	0.26	0.33	0	1	2	3	12.40
025	Hearns Lake	0.00	0.00	0.05	0.16	0	0	1	2	10.54
027	Pine Brush Creek	0.00	0.00	0.01	0.01	0	0	0	0	4.95
031	Bundageree Creek	0.00	0.02	0.05	0.14	0	0	1	3	5.39
033	Dalhousie Creek	0.00	0.00	0.00	0.05	0	0	0	1	8.85
034	Oyster Creek	0.01	0.04	0.21	0.43	0	0	1	2	19.70
039	Saltwater Creek (Frederickton)	0.07	0.37	1.30	2.03	0	1	3	5	42.98
042	Goolawah Lagoon	0.00	0.00	0.00	0.02	0	0	0	0	7.03
044	Cathie Creek	3.58	12.54	22.25	27.71	2	6	10	12	227.43
045	Duchess Gully	0.00	0.01	0.02	0.12	0	0	0	0	41.18
048	Khappinghat Creek	1.23	2.31	3.56	5.77	2	4	5	9	65.48
049	Black Head Lagoon	0.12	0.13	0.61	0.83	1	1	4	5	15.60
051	Smiths Lake	1.88	3.82	6.96	8.93	3	7	12	15	57.84
057	Glenrock Lagoon	0.03	0.05	0.16	0.20	0	1	3	3	6.03



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Estuary no.	Estuary name	Length of road (km)				% length of road				Total length of road (km)
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
059	Middle Camp Creek	0.00	0.00	0.00	0.05	0	0	0	0	26.14
060	Moonee Beach Creek	0.00	0.00	0.00	0.00	0	0	0	0	2.19
062	Wamberal Lagoon	0.33	0.99	1.71	2.80	1	2	4	6	43.72
063	Terrigal Lagoon	1.09	2.29	4.07	5.70	2	4	6	9	63.37
064	Avoca Lake	0.09	0.63	1.52	2.37	0	1	3	4	54.97
065	Cockrone Lake	0.00	0.14	0.67	1.41	0	0	2	5	29.38
071	Dee Why Lagoon	0.01	0.51	2.02	3.63	0	1	4	7	51.03
072	Curl Curl Lagoon	0.00	0.16	0.50	0.97	0	0	1	2	54.98
082	Wattamolla Creek	0.00	0.00	0.00	0.00	0	0	0	0	2.26
083	Hargraves Creek	0.00	0.00	0.11	0.21	0	0	2	5	4.59
084	Stanwell Creek	0.00	0.00	0.12	0.25	0	0	8	17	1.47
085	Flanagans Creek	0.00	0.09	0.32	0.48	0	1	3	4	11.13
086	Woodlands Creek	0.00	0.03	0.12	0.23	0	0	1	3	9.25
087	Slacky Creek	0.00	0.00	0.06	0.28	0	0	0	1	18.57
088	Bellambi Gully	0.00	0.00	0.06	0.10	0	0	0	0	59.98
089	Bellambi Lake	0.00	0.09	0.13	0.69	0	1	1	5	14.67
090	Towradgi Creek	0.00	0.72	1.41	2.05	0	1	2	3	67.55
091	Fairy Creek	0.89	3.35	6.60	10.49	0	2	3	5	196.84
097	Spring Creek	0.00	0.00	0.00	0.09	0	0	0	0	24.63
098	Munna Munnora Creek	0.16	0.37	0.75	1.06	1	3	6	8	12.88
099	Werri Lagoon	1.95	3.29	3.94	4.26	5	9	11	12	36.73
102	Wollumboola Lake	2.14	2.46	3.19	3.77	3	4	5	6	63.63
105	Wowly Gully	0.24	0.29	0.33	0.37	2	2	3	3	12.20
106	Callala Creek	0.55	1.90	2.67	3.61	1	5	7	9	40.45
108	Moona Moona Creek	3.69	5.32	6.23	7.25	6	8	10	11	64.02
109	Flat Rock Creek	0.00	0.00	0.00	0.00	0	0	0	0	15.89

Estuary no.	Estuary name	Length of road (km)				% length of road				Total length of road (km)
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
110	Captains Beach Lagoon	0.00	0.00	0.00	0.00	0	0	0	0	6.79
111	Telegraph Creek	0.04	0.08	0.24	0.38	0	1	2	3	14.54
114	Swan Lake	0.50	1.70	2.86	3.56	1	3	6	7	49.22
115	Berrara Creek	0.56	0.86	1.12	1.29	4	6	8	9	14.44
116	Nerrindillah Creek	0.13	0.14	0.16	0.33	0	0	1	1	31.43
119	Mollymook Creek	0.00	0.00	0.00	0.00	0	0	0	0	14.85
120	Millards Creek	0.11	0.17	0.23	0.39	0	0	1	1	38.82
124	Termeil Lake	0.00	0.00	0.14	0.25	0	0	0	1	39.18
125	Meroo Lake	0.16	0.43	0.71	0.99	0	1	2	2	44.74
126	Willinga Lake	1.25	2.05	2.38	2.57	5	8	9	10	25.56
127	Butlers Creek	0.02	0.03	0.12	0.43	0	1	3	10	4.39
128	Durras Lake	2.17	4.01	5.00	6.10	1	3	3	4	147.70
129	Durras Creek	0.25	0.34	0.45	0.56	2	2	3	4	15.43
130	Maloneys Creek	0.00	0.08	0.32	0.76	0	0	1	4	21.40
134	Saltwater Creek (Rosedale)	0.00	0.00	0.08	0.25	0	0	1	3	8.09
137	Bengello Creek	0.00	0.06	0.12	0.25	0	0	0	1	41.79
139	Congo Creek	2.59	3.78	4.46	5.18	3	5	6	7	77.46
140	Meringo Creek	0.00	0.00	0.00	0.00	0	0	0	0	10.49
141	Kellys Lake	0.00	0.00	0.00	0.00	0	0	0	0	3.18
142	Coila Lake	NaN	3.91	5.26	5.82	NaN	8	11	12	49.46
144	Lake Brunderee	0.15	0.38	0.48	0.69	1	2	3	4	15.36
145	Lake Tarourga	0.02	0.03	0.03	0.06	0	0	0	0	18.04
146	Lake Brou	1.27	1.85	2.30	3.01	5	8	10	13	23.13
147	Lake Mummuga	1.10	1.76	2.54	3.01	2	4	5	6	49.94
148	Kianga Lake	0.00	0.23	0.41	0.59	0	1	2	3	22.24
150	Little Lake (Narooma)	0.00	0.04	0.14	0.29	0	0	1	2	13.01

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Estuary no.	Estuary name	Length of road (km)				% length of road				Total length of road (km)
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
151	Bullengella Lake	0.00	0.00	0.00	0.00	0	0	0	0	0.70
152	Nangudga Lake	1.37	2.57	3.38	3.79	8	15	19	22	17.35
153	Corunna Lake	0.45	0.60	0.83	1.07	1	1	1	1	78.47
154	Tilba Tilba Lake	0.00	0.00	0.00	0.00	0	0	0	0	11.29
155	Little Lake (Wallaga)	0.00	0.00	0.00	0.00	0	0	0	0	4.62
158	Baragoot Lake	3.06	3.24	3.54	4.17	11	12	13	15	27.90
159	Cuttagee Lake	1.39	1.80	1.96	2.16	4	6	6	7	31.84
161	Bunga Lagoon	0.00	0.00	0.03	0.48	0	0	0	2	23.34
163	Middle Lagoon	0.23	0.41	0.65	0.75	0	1	1	1	53.86
166	Wallagoot Lake	3.98	4.89	5.49	5.80	9	11	13	13	43.66
167	Bournda Lagoon	0.44	0.62	0.80	0.91	15	22	28	32	2.86
168	Back Lagoon	0.55	0.62	0.66	0.74	3	4	4	4	17.61
172	Shadrachs Creek	0.07	0.09	0.16	0.25	0	0	0	1	33.12
173	Nullica River	5.25	6.43	6.96	7.29	5	6	7	7	103.97
174	Boydton Creek	0.75	1.14	1.46	2.37	5	7	9	15	15.67
176	Fisheries Creek	0.03	0.03	0.03	0.04	0	0	0	0	14.12
178	Saltwater Creek (Eden)	0.05	0.06	0.11	0.17	6	6	12	18	0.98
179	Woodburn Creek	0.00	0.01	0.01	0.02	0	0	0	1	2.78
181	Merrica River	0.00	0.00	0.00	0.00	0	0	0	0	25.63
182	Table Creek	0.00	0.00	0.02	0.05	0	0	0	1	6.26
183	Nadgee River	0.12	0.39	0.61	0.75	1	2	4	4	16.99
184	Nadgee Lake	0.03	0.04	0.05	0.08	1	2	2	3	2.71
Total		52.84	102.08	153.52	210.59	2	3	5	7	3,040.93

NaN =

**Table C.31. GURAS database and inundation modelling statistics of power lines affected for NGI type estuaries**

Estuary no.	Estuary name	Length of power line (km)				% length of power line				Total length of power line (km)
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
006	Belongil Creek	10.57	17.30	29.86	52.77	8	13	22	39	136.35
007	Tallow Creek	0.00	0.18	0.37	1.44	0	1	2	7	20.03
008	Broken Head Creek	0.00	0.00	0.00	0.03	0	0	0	2	2.00
010	Salty Lagoon	0.00	0.00	0.00	0.00	0	0	0	0	0.00
012	Jerusalem Creek	0.00	0.00	0.00	0.00	0	0	0	0	0.00
014	Lake Arragan	0.00	0.00	0.00	0.00	0	0	0	0	1.86
015	Cakora Lagoon	0.04	0.43	2.19	5.39	0	3	18	43	12.43
018	Station Creek	0.00	0.00	0.00	0.00	0	0	0	0	0.68
020	Pipe Clay Creek	0.00	0.00	0.00	0.00	0	0	0	0	2.99
021	Arrawarra Creek	0.04	0.27	1.27	2.43	0	3	13	26	9.51
022	Darkum Creek	0.00	0.07	0.26	0.77	0	0	2	5	16.80
024	Flat Top Point Creek	0.00	0.04	0.07	0.09	0	0	0	0	22.65
025	Hearns Lake	0.00	0.04	0.04	0.05	0	0	0	0	11.88
027	Pine Brush Creek	0.00	0.00	0.01	0.01	0	0	0	0	8.28
031	Bundageree Creek	0.00	0.00	0.00	0.00	0	0	0	0	0.00
033	Dalhousie Creek	0.00	0.01	0.03	0.06	0	0	0	1	6.63
034	Oyster Creek	0.00	0.00	0.00	0.00	0	0	0	0	22.89
039	Saltwater Creek (Frederickton)	0.12	0.19	0.38	0.94	0	0	0	1	77.56
042	Goolawah Lagoon	0.00	0.00	0.00	0.00	0	0	0	0	5.87
044	Cathie Creek	1.34	3.60	10.10	15.90	0	1	4	6	269.99
045	Duchess Gully	0.07	0.09	0.13	1.25	0	0	0	2	52.07
048	Khappinghat Creek	0.06	0.16	0.37	0.55	0	1	1	2	29.54
049	Black Head Lagoon	0.00	0.00	0.67	0.90	0	0	3	3	25.92
051	Smiths Lake	2.54	4.06	6.09	7.63	4	6	9	11	68.70
057	Glenrock Lagoon	0.02	0.02	0.03	0.04	4	5	6	8	0.46

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Estuary no.	Estuary name	Length of power line (km)				% length of power line				Total length of power line (km)
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
059	Middle Camp Creek	0.00	0.00	0.00	0.00	0	0	0	0	8.71
060	Moonee Beach Creek	0.00	0.00	0.00	0.00	0	0	0	0	0.05
062	Wamberal Lagoon	0.80	1.87	4.67	7.49	1	2	4	7	113.95
063	Terrigal Lagoon	3.48	8.82	13.08	17.74	2	5	8	11	164.84
064	Avoca Lake	0.46	1.30	2.52	4.13	0	1	2	3	132.98
065	Cockrone Lake	0.15	0.32	1.62	2.85	0	1	3	5	60.78
071	Dee Why Lagoon	0.01	0.30	1.53	3.60	0	0	1	3	125.52
072	Curl Curl Lagoon	0.00	0.34	0.92	1.60	0	0	1	1	166.71
082	Wattamolla Creek	0.00	0.00	0.00	0.00	0	0	0	0	0.00
083	Hargraves Creek	0.00	0.04	0.23	0.42	0	0	2	4	11.07
084	Stanwell Creek	0.03	0.05	0.13	0.43	0	1	3	8	5.23
085	Flanagans Creek	0.00	0.24	0.58	1.01	0	1	2	4	28.72
086	Woodlands Creek	0.00	0.00	0.00	0.00	0	0	0	0	11.99
087	Slacky Creek	0.00	0.13	0.40	0.62	0	0	1	1	43.87
088	Bellambi Gully	0.00	0.00	0.00	0.00	0	0	0	0	119.26
089	Bellambi Lake	0.00	0.00	0.00	0.02	0	0	0	0	27.31
090	Towradgi Creek	0.04	2.31	5.00	7.01	0	1	3	4	183.55
091	Fairy Creek	0.12	5.29	12.15	22.12	0	1	3	5	456.01
097	Spring Creek	0.00	0.03	0.23	0.73	0	0	1	2	30.24
098	Munna Munnora Creek	0.00	0.00	0.00	0.00	0	0	0	0	15.65
099	Werri Lagoon	3.60	5.37	5.93	6.27	7	10	11	11	54.61
102	Wollumboola Lake	1.28	1.99	2.95	3.76	3	4	6	8	46.27
105	Wowly Gully	0.20	0.26	0.28	0.33	1	2	2	2	16.79
106	Callala Creek	1.35	2.97	3.90	5.53	2	5	6	9	62.19
108	Moona Moona Creek	2.87	4.96	6.05	7.79	4	7	8	10	75.90
109	Flat Rock Creek	0.00	0.00	0.00	0.00	0	0	0	0	1.00

Estuary no.	Estuary name	Length of power line (km)				% length of power line				Total length of power line (km)
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
110	Captains Beach Lagoon	0.00	0.00	0.00	0.00	0	0	0	0	0.00
111	Telegraph Creek	0.00	0.00	0.00	0.00	0	0	0	0	0.00
114	Swan Lake	0.33	1.09	1.71	2.03	1	3	5	6	32.65
115	Berrara Creek	0.11	0.53	1.16	1.45	1	5	10	13	11.44
116	Nerrindillah Creek	0.18	0.21	0.24	0.27	2	2	2	3	9.57
119	Mollymook Creek	0.00	0.00	0.01	0.01	0	0	0	0	19.66
120	Millards Creek	0.21	0.40	0.52	0.64	0	1	1	1	66.36
124	Termeil Lake	0.23	0.49	0.59	0.88	1	3	3	5	17.68
125	Meroo Lake	0.00	0.00	0.00	0.09	0	0	0	0	30.15
126	Willinga Lake	0.53	1.39	1.70	1.92	3	9	10	12	16.27
127	Butlers Creek	0.00	0.28	0.34	0.35	0	14	17	18	2.00
128	Durras Lake	1.00	1.99	2.67	3.68	3	5	7	10	36.98
129	Durras Creek	0.35	0.79	1.19	1.33	7	15	23	26	5.15
130	Maloneys Creek	0.00	0.00	0.01	0.04	0	0	0	0	18.82
134	Saltwater Creek (Rosedale)	0.00	0.02	0.16	0.60	0	0	1	4	14.38
137	Bengello Creek	0.00	0.03	0.15	0.27	0	0	1	1	23.74
139	Congo Creek	0.56	1.58	1.99	2.44	1	2	3	4	64.70
140	Meringo Creek	0.00	0.00	0.00	0.00	0	0	0	0	7.42
141	Kellys Lake	0.00	0.00	0.04	0.05	0	0	2	2	2.54
142	Coila Lake	0.00	1.75	2.46	2.98	0	3	4	5	61.07
144	Lake Brunderee	0.00	0.00	0.00	0.00	0	0	0	0	6.71
145	Lake Tarourga	0.00	0.00	0.00	0.00	0	0	0	0	0.03
146	Lake Brou	0.00	0.00	0.00	0.52	0	0	0	13	4.12
147	Lake Mummuga	2.12	2.74	3.83	4.43	6	8	11	13	33.35
148	Kianga Lake	0.09	0.28	0.39	0.93	0	1	2	5	20.23
150	Little Lake (Narooma)	0.12	0.33	0.40	0.44	1	1	2	2	22.24

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Estuary no.	Estuary name	Length of power line (km)				% length of power line				Total length of power line (km)
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
151	Bullengella Lake	0.01	0.02	0.03	0.04	1	1	2	3	1.39
152	Nangudga Lake	1.26	1.48	1.63	1.66	13	15	16	17	9.85
153	Corunna Lake	0.86	1.21	1.41	1.52	2	3	3	3	46.45
154	Tilba Tilba Lake	0.00	0.00	0.00	0.00	0	0	0	0	12.03
155	Little Lake (Wallaga)	0.00	0.00	0.00	0.00	0	0	0	0	2.90
158	Baragoot Lake	0.97	1.32	1.54	1.67	8	11	13	14	12.01
159	Cuttagee Lake	1.30	1.37	1.40	1.46	16	16	17	18	8.34
161	Bunga Lagoon	0.02	0.02	0.04	0.47	0	0	1	9	5.45
163	Middle Lagoon	0.00	0.10	0.11	0.13	0	0	0	1	23.93
166	Wallagoot Lake	0.22	0.58	0.84	1.07	1	3	4	6	19.19
167	Bournda Lagoon	0.00	0.00	0.00	0.00	0	0	0	0	0.00
168	Back Lagoon	0.15	0.28	0.39	0.50	1	1	2	2	22.54
172	Shadrachs Creek	0.36	0.37	0.40	0.42	4	5	5	5	8.16
173	Nullica River	8.13	8.72	9.04	9.22	54	58	60	61	15.04
174	Boydton Creek	0.44	0.89	1.24	1.86	4	7	10	15	12.30
176	Fisheries Creek	0.28	0.29	0.29	0.30	4	4	4	4	7.67
178	Saltwater Creek (Eden)	0.00	0.00	0.00	0.00	0	0	0	0	0.00
179	Woodburn Creek	0.00	0.00	0.00	0.00	0	0	0	0	0.00
181	Merrica River	0.00	0.00	0.00	0.00	0	0	0	0	0.00
182	Table Creek	0.00	0.00	0.00	0.00	0	0	0	0	0.00
183	Nadgee River	0.00	0.00	0.00	0.00	0	0	0	0	0.00
184	Nadgee Lake	0.00	0.00	0.00	0.00	0	0	0	0	0.00
	Total	49.02	93.60	151.96	229.37	1	3	4	7	3,502.80

**Table C.32. GURAS database and inundation modelling statistics of percentage of properties affected for NGI type estuaries**

Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		10	25	50	90	100	10	25	50	90	100	10	25	50	90	100	10	25	50	90	100
006	Belongil Creek	31	20	24	33	28	41	39	32	31	67	44	57	61	74	104	75	47	75	157	368
007	Tallow Creek	3	1	0	0	0	10	7	1	3	0	17	15	4	3	1	26	21	19	26	21
008	Broken Head Creek	0	0	0	0	0	1	0	0	0	0	2	1	0	0	0	3	3	3	3	1
010	Salty Lagoon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
012	Jerusalem Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
014	Lake Arragan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
015	Cakora Lagoon	1	0	0	0	0	1	2	4	1	0	6	2	2	16	14	1	0	0	5	80
018	Station Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
020	Pipe Clay Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
021	Arrawarra Creek	8	0	1	0	0	4	3	4	0	0	3	3	3	3	0	3	3	3	2	2
022	Darkum Creek	1	0	0	0	0	1	1	0	0	0	2	2	0	0	0	2	2	2	0	0
024	Flat Top Point Creek	2	1	0	0	0	1	0	3	0	0	4	1	2	1	0	4	1	1	3	0
025	Hearns Lake	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	3	2	0	0	0
027	Pine Brush Creek	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0
031	Bundageree Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
033	Dalhousie Creek	5	0	0	0	0	4	3	0	0	0	4	2	1	0	0	3	3	1	0	0



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Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		10	25	50	90	100	10	25	50	90	100	10	25	50	90	100	10	25	50	90	100
034	Oyster Creek	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	5	1	0	0	0
039	Saltwater Creek	7	0	0	0	0	2	8	1	0	0	5	5	3	3	0	3	3	5	5	0
042	Goolawah Lagoon	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0
044	Cathie Creek	14	9	9	5	1	25	13	14	24	3	49	19	26	23	47	54	26	27	19	112
045	Duchess Gully	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	6	1	9	1	3
048	Khappinghat Creek	4	0	0	1	1	5	1	0	0	2	3	2	1	0	2	3	3	1	0	2
049	Black Head Lagoon	0	0	0	0	0	0	0	0	0	0	3	1	0	1	0	0	2	0	1	3
051	Smiths Lake	6	5	1	0	0	15	8	3	1	0	17	12	11	7	2	15	13	10	21	7
057	Glenrock Lagoon	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0
059	Middle Camp Creek	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0
060	Moonee Beach Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
062	Wamberal Lagoon	5	10	4	2	0	20	13	10	14	0	28	20	27	33	21	22	24	20	38	60
063	Terrigal Lagoon	32	26	38	28	15	29	24	28	59	122	42	34	33	51	204	37	32	39	67	266
064	Avoca Lake	44	30	9	3	4	52	44	21	9	13	42	53	34	19	25	45	49	49	27	42
065	Cockrone Lake	5	5	2	3	0	8	6	9	4	3	7	6	10	15	18	10	8	14	13	38
071	Dee Why Lagoon	0	0	0	0	0	7	2	0	0	0	9	7	9	5	11	23	11	10	15	32
072	Curl Curl Lagoon	0	0	0	0	0	6	8	5	1	0	6	9	9	19	4	4	8	15	29	13

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Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		10	25	50	90	100	10	25	50	90	100	10	25	50	90	100	10	25	50	90	100
082	Wattamolla Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
083	Hargraves Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
084	Stanwell Creek	2	0	0	0	0	2	0	0	0	0	2	0	0	0	0	2	2	0	0	0
085	Flanagans Creek	0	0	0	0	0	2	2	0	0	0	4	2	5	5	1	3	2	3	7	10
086	Woodlands Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
087	Slacky Creek	1	0	0	0	0	2	1	0	1	0	5	2	5	2	1	0	8	6	4	7
088	Bellambi Gully	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
089	Bellambi Lake	0	0	0	0	0	3	0	0	0	0	1	4	3	0	0	4	3	2	10	0
090	Towradgi Creek	6	3	0	0	0	38	17	20	20	26	20	22	7	31	104	17	22	11	17	148
091	Fairy Creek	16	2	2	0	0	35	14	6	11	3	34	30	27	28	44	32	44	35	60	123
097	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
098	Munna Munnora	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
099	Werri Lagoon	26	34	9	10	15	21	45	13	16	35	17	48	21	14	48	15	44	29	16	61
102	Wollumboola Lake	10	17	6	2	5	5	14	9	17	5	11	18	5	20	37	16	18	13	21	48
105	Wowly Gully	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	Callala Creek	5	1	6	4	9	10	7	7	20	16	12	11	13	15	33	13	16	18	22	45
108	Moona Moona Creek	5	4	8	18	17	16	18	12	22	37	21	14	16	32	61	13	25	23	30	89

NSW Estuary Tidal Inundation Exposure Assessment – Appendix D

Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		10	25	50	90	100	10	25	50	90	100	10	25	50	90	100	10	25	50	90	100
109	Flat Rock Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Captains Beach	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	Telegraph Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Swan Lake	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	1	2	2	1	0
115	Berrara Creek	1	1	1	0	0	6	2	1	1	0	2	2	0	11	4	3	2	5	1	19
116	Nerrindillah Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Mollymook Creek	1	0	0	0	0	1	0	0	0	0	2	0	0	0	0	4	0	0	0	0
120	Millards Creek	0	1	1	2	0	0	0	2	2	0	0	1	0	4	0	2	1	0	4	1
124	Termeil Lake	0	1	0	0	0	0	1	0	1	0	0	0	1	1	0	1	0	0	1	1
125	Meroo Lake	1	0	0	0	0	0	1	3	0	0	1	0	3	1	0	3	0	2	2	0
126	Willinga Lake	2	3	0	0	0	7	0	4	0	0	4	3	6	1	0	3	5	6	2	0
127	Butlers Creek	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	1	1	0	0	0
128	Durras Lake	1	6	3	0	0	11	11	6	5	0	7	14	10	9	9	10	8	13	17	16
129	Durras Creek	4	0	0	1	1	3	2	3	1	2	4	1	6	1	3	3	4	4	4	3
130	Maloneys Creek	2	2	0	0	0	0	2	1	1	0	2	2	1	2	0	2	3	0	4	1
134	Saltwater Creek	2	1	0	0	0	3	3	2	2	0	11	4	5	1	2	3	7	5	6	5
137	Bengello Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NSW Estuary Tidal Inundation Exposure Assessment – Appendix D

Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		10	25	50	90	100	10	25	50	90	100	10	25	50	90	100	10	25	50	90	100
139	Congo Creek	8	5	2	2	0	8	9	4	4	0	8	9	9	8	3	6	11	5	8	9
140	Meringo Creek	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	1	0	0	0
141	Kellys Lake	0	0	0	0	0	0	1	1	0	0	0	0	2	0	0	0	0	1	1	0
142	Coila Lake	6	1	1	3	0	7	4	1	3	0	8	7	3	6	4	12	6	7	3	11
144	Lake Brunderee	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0
145	Lake Tarourga	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
146	Lake Brou	0	0	1	1	0	0	0	0	2	0	0	0	0	2	0	0	0	0	2	0
147	Lake Mummuga	8	3	7	3	13	12	8	11	14	19	9	8	10	19	32	12	6	9	12	48
148	Kianga Lake	0	0	0	0	0	1	1	7	2	0	4	3	3	8	0	7	4	2	9	2
150	Little Lake (Narooma)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	Bullengella Lake	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0
152	Nangudga Lake	6	1	0	2	2	5	2	0	2	2	5	1	1	2	2	5	1	2	1	3
153	Corunna Lake	6	2	0	0	0	6	3	0	0	0	8	4	0	0	0	7	3	2	0	0
154	Tilba Tilba Lake	1	1	0	0	0	1	1	1	0	0	1	1	1	0	0	1	1	1	0	0
155	Little Lake (Wallaga)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	Baragoot Lake	2	2	0	1	0	4	1	1	1	0	6	1	0	2	0	7	1	0	2	0
159	Cuttagee Lake	6	1	2	0	0	5	2	2	0	0	3	4	2	0	0	4	4	1	1	0

NSW Estuary Tidal Inundation Exposure Assessment – Appendix D

Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		10	25	50	90	100	10	25	50	90	100	10	25	50	90	100	10	25	50	90	100
161	Bunga Lagoon	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	1	0	0	0
163	Middle Lagoon	3	0	0	0	0	3	0	0	0	0	2	1	0	0	0	1	2	0	0	0
166	Wallagoot Lake	3	1	4	0	0	1	1	4	2	0	1	1	3	2	2	1	1	1	3	3
167	Bournda Lagoon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Back Lagoon	14	11	8	0	1	10	16	11	1	1	6	17	13	6	1	5	13	18	9	1
172	Shadrachs Creek	3	1	1	1	0	2	2	1	1	0	2	2	1	1	0	2	0	3	1	0
173	Nullica River	0	1	0	1	3	0	1	0	1	3	2	0	1	1	3	3	0	1	1	3
174	Boydton Creek	1	2	0	0	0	2	1	1	2	0	2	2	1	2	1	1	1	2	3	1
176	Fisheries Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	Saltwater Creek (Eden)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
179	Woodburn Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
181	Merrica River	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182	Table Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
183	Nadgee River	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
184	Nadgee Lake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: Percentages indicate upper bound of range such that: 10 = 0–10%, 25 = 10–25%, 50 = 25–50%, 90 = 50–90%, 100 = 90–100%

**Table C.33. GURAS database and inundation modelling statistics of types of roads affected for NGI type estuaries**

Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr
006	Belongil Creek	0.0	0.0	0.6	4.5	1.0	0.0	0.0	0.9	9.1	1.5	0.0	0.0	1.5	12.3	2.2	0.0	0.0	3.6	19.8	3.4
007	Tallow Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.5	0.0	0.0	0.1	0.9	0.7
008	Broken Head Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
010	Salty Lagoon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	1.1
012	Jerusalem Creek	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.8
014	Lake Arragan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.6
015	Cakora Lagoon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.0	0.6	0.6	0.7	0.0	0.0	1.1	1.5	1.2
018	Station Creek	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	1.0
020	Pipe Clay Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
021	Arrawarra Creek	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	1.1	0.4	0.0	0.0	0.0	2.8	0.9	0.0	0.0	0.0	4.7	2.3
022	Darkum Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
024	Flat Top Point Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.1	0.2
025	Hearns Lake	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.0
027	Pine Brush Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
031	Bundageree Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
033	Dalhousie Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0

NSW Estuary Tidal Inundation Exposure Assessment – Appendix D

Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr
034	Oyster Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.4
039	Saltwater Creek	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.2	0.8	0.3	0.0	0.0	0.2	1.3	0.5
042	Goolawah Lagoon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
044	Cathie Creek	0.0	0.0	0.0	0.4	3.2	0.0	0.0	0.0	1.3	11.2	0.0	0.0	0.1	4.3	17.9	0.0	0.0	0.2	6.4	21.2
045	Duchess Gully	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
048	Khappinghat Creek	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	3.5	0.0	0.0	0.2	0.0	5.5
049	Black Head Lagoon	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.3	0.1	0.0	0.0	0.4	0.3	0.1
051	Smiths Lake	0.0	0.0	0.0	1.0	0.9	0.0	0.0	0.7	2.0	1.2	0.0	0.0	2.1	3.0	1.8	0.0	0.0	2.7	3.7	2.6
057	Glenrock Lagoon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2
059	Middle Camp Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
060	Moonee Beach Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
062	Wamberal Lagoon	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.1	1.7	0.0	0.0	0.0	0.6	2.2	0.0
063	Terrigal Lagoon	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.5	3.6	0.0	0.0	0.0	0.6	5.1	0.0
064	Avoca Lake	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.2	1.2	0.1	0.0	0.0	0.7	1.6	0.1
065	Cockrone Lake	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.3	0.2	0.0	0.0	0.5	0.7	0.3
071	Dee Why Lagoon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	0.8	0.5	0.8	0.0	0.0	1.7	0.8	1.1
072	Curl Curl Lagoon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.4	0.0	0.0	0.1	0.3	0.6

NSW Estuary Tidal Inundation Exposure Assessment – Appendix D

Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr
082	Wattamolla Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
083	Hargraves Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.0
084	Stanwell Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.0
085	Flanagans Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.5	0.0
086	Woodlands Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2
087	Slacky Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.1
088	Bellambi Gully	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
089	Bellambi Lake	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.7
090	Towradgi Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.1	0.0	0.0	0.0	1.3	0.1	0.0	0.0	0.0	1.8	0.3
091	Fairy Creek	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	1.7	1.7	0.0	0.0	0.0	4.2	2.4	0.0	0.4	0.0	7.1	3.0
097	Spring Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
098	Munna Munnora	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	1.1	0.0
099	Werri Lagoon	0.0	0.0	0.7	0.5	0.8	0.0	0.7	0.9	0.6	1.1	0.0	1.0	1.0	0.8	1.2	0.0	1.0	1.0	1.0	1.2
102	Wollumboola Lake	0.0	0.0	0.0	0.6	1.6	0.0	0.0	0.0	0.8	1.6	0.0	0.0	0.0	1.3	1.9	0.0	0.0	0.0	1.7	2.1
105	Wowly Gully	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.4
106	Callala Creek	0.0	0.0	0.1	0.0	0.5	0.0	0.0	1.1	0.1	0.7	0.0	0.0	1.4	0.2	1.1	0.0	0.0	1.6	0.7	1.4
108	Moona Moona Creek	0.0	0.0	0.0	1.4	2.3	0.0	0.0	0.0	2.6	2.7	0.0	0.0	0.1	3.2	3.0	0.0	0.0	0.2	3.8	3.3



NSW Estuary Tidal Inundation Exposure Assessment – Appendix D

Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr
109	Flat Rock Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110	Captains Beach	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
111	Telegraph Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.2	0.2
114	Swan Lake	0.0	0.0	0.1	0.0	0.4	0.0	0.0	0.6	0.2	0.9	0.0	0.0	1.3	0.5	1.1	0.0	0.0	1.4	0.7	1.4
115	Berrara Creek	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.2	0.7	0.0	0.0	0.0	0.4	0.7	0.0	0.0	0.0	0.5	0.8
116	Nerrindillah Creek	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.3
119	Mollymook Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120	Millards Creek	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.2	0.0	0.2	0.0
124	Termeil Lake	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
125	Meroo Lake	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.1	0.0	0.9
126	Willinga Lake	0.0	0.0	0.5	0.0	0.8	0.0	0.0	0.8	0.0	1.3	0.0	0.0	1.0	0.0	1.3	0.0	0.0	1.1	0.1	1.4
127	Butlers Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.4	0.0	0.0
128	Durras Lake	0.0	0.0	0.0	0.1	2.1	0.0	0.0	0.3	0.5	3.3	0.0	0.0	0.5	0.6	3.9	0.0	0.0	0.6	0.8	4.7
129	Durras Creek	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.1	0.2	0.3
130	Maloneys Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.7
134	Saltwater Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1
137	Bengello Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.2

NSW Estuary Tidal Inundation Exposure Assessment – Appendix D

Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr
139	Congo Creek	0.0	0.0	1.1	0.3	1.3	0.0	0.0	1.7	0.4	1.7	0.0	0.0	1.9	0.4	2.1	0.0	0.0	2.0	0.4	2.8
140	Meringo Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
141	Kellys Lake	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142	Coila Lake	NaN	NaN	NaN	NaN	NaN	0.0	0.0	0.0	0.1	3.9	0.0	0.7	0.0	0.2	4.4	0.0	0.8	0.0	0.4	4.6
144	Lake Brunderee	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.7	0.0
145	Lake Tarourga	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
146	Lake Brou	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	2.3	0.0	0.1	0.0	0.0	2.9
147	Lake Mummuga	0.0	0.0	0.2	0.2	0.6	0.0	0.0	0.4	0.5	0.8	0.0	0.0	0.6	0.9	1.1	0.0	0.0	0.7	1.0	1.3
148	Kianga Lake	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.1	0.5	0.0
150	Little Lake (Narooma)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.2	0.1
151	Bullengella Lake	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152	Nangudga Lake	0.0	0.0	0.0	0.0	1.4	0.0	0.8	0.0	0.1	1.7	0.0	1.1	0.0	0.2	2.1	0.0	1.2	0.0	0.2	2.4
153	Corunna Lake	0.0	0.0	0.0	0.4	0.1	0.0	0.0	0.0	0.5	0.1	0.0	0.1	0.0	0.6	0.1	0.0	0.2	0.0	0.7	0.2
154	Tilba Tilba Lake	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155	Little Lake (Wallaga)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
158	Baragoot Lake	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.1	0.0	3.5	0.0	0.0	0.3	0.0	3.9
159	Cuttagee Lake	0.0	0.0	0.0	0.2	1.2	0.0	0.0	0.0	0.2	1.6	0.0	0.0	0.0	0.2	1.7	0.0	0.0	0.0	0.3	1.9

NSW Estuary Tidal Inundation Exposure Assessment – Appendix D

Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr
161	Bunga Lagoon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
163	Middle Lagoon	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.7
166	Wallagoot Lake	0.0	0.0	0.0	0.6	3.3	0.0	0.0	0.0	0.8	4.1	0.0	0.0	0.0	0.9	4.6	0.0	0.0	0.0	0.9	4.9
167	Bournda Lagoon	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.9
168	Back Lagoon	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.1	0.7
172	Shadrachs Creek	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
173	Nullica River	0.0	0.2	0.0	2.5	2.6	0.0	0.7	0.0	2.9	2.9	0.0	1.1	0.0	2.9	2.9	0.0	1.3	0.0	3.0	3.0
174	Boydton Creek	0.0	0.0	0.0	0.7	0.1	0.0	0.0	0.0	1.0	0.1	0.0	0.0	0.0	1.3	0.2	0.0	0.2	0.0	1.7	0.4
176	Fisheries Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
178	Saltwater Creek (Eden)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1
179	Woodburn Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
181	Merrica River	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
182	Table Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
183	Nadgee River	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.8
184	Nadgee Lake	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1

Note: Mo = motorway; Pr = primary road; Ar = arterial road; Lo = local road; Tr = track; NaN =

## Embayment (EM)

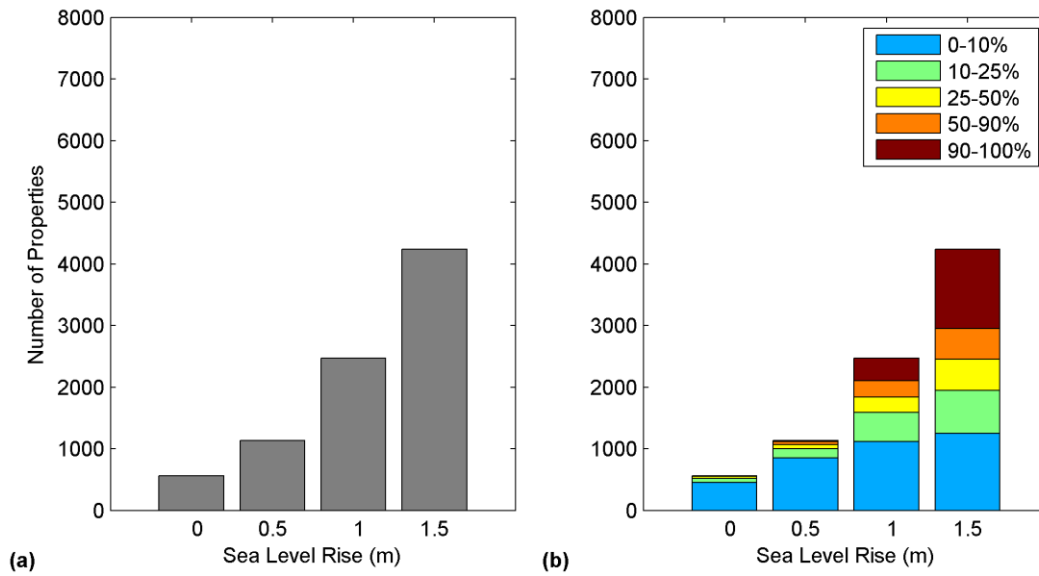


Figure C.13. GURAS database and inundation modelling results for Embayment (EM) type estuaries: (a) Number of properties affected; (b) Percentage of each property affected

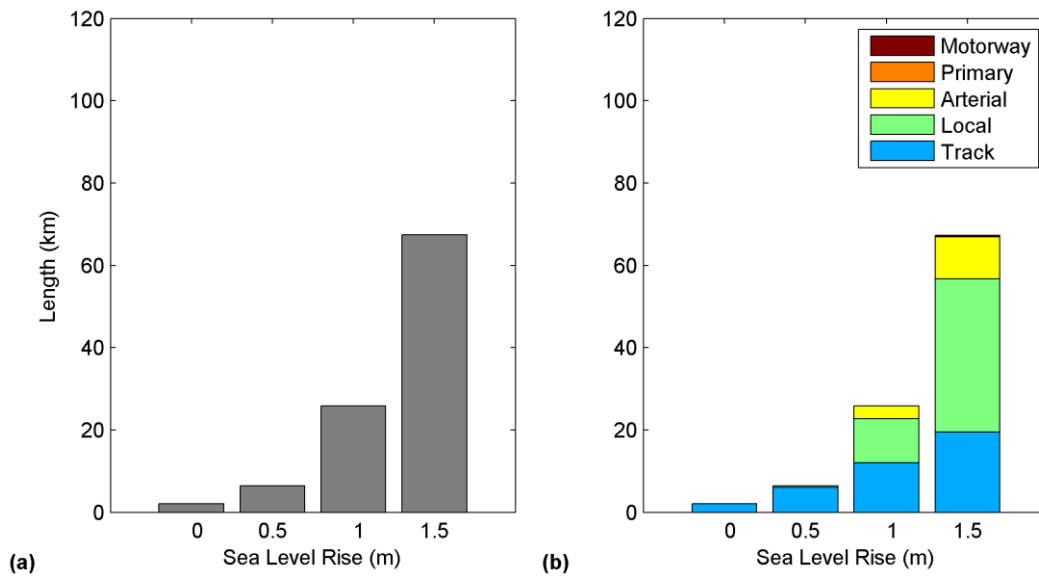


Figure C.14. GURAS database and inundation modelling results for EM type estuaries: (a) Kilometres of roads affected; (b) Breakdown of road types affected

**Table C.34. GURAS database and inundation modelling statistics of properties affected for EM type estuaries**

Estuary no.	Estuary name	No. of properties				% properties in catchment				Total properties
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
068	Pittwater	245	560	986	1,357	2	5	9	12	11,108
069	Broken Bay	0	17	77	98	0	0	2	3	3,802
077	Port Jackson	285	490	736	1,328	0	0	0	1	222,169
080	Botany Bay	16	44	304	771	0	0	0	1	70,802
092	Allans Creek	0	0	0	33	0	0	0	0	7,448
093	Port Kembla	0	0	0	0	0	0	0	0	1,736
112	Jervis Bay	2	3	6	26	0	0	0	1	2,440
121	Ulladulla Harbour	0	0	0	0	0	0	0	0	284
133	Batemans Bay	8	18	354	614	0	0	6	10	6,038
177	Twofold Bay	2	4	5	7	0	1	1	1	747
	Total	558	1,136	2,468	4,234	1	1	1	2	326,574

**Table C.35. GURAS database and inundation modelling statistics of roads affected for EM type estuaries**

Estuary no.	Estuary name	Length of road (km)				% length of road				Total length of road (km)
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
068	Pittwater	0.01	0.66	5.52	11.65	0	0	3	7	169.67
069	Broken Bay	0.04	0.06	0.06	0.12	0	0	0	0	52.68
077	Port Jackson	0.50	3.00	7.84	26.91	0	0	1	3	990.64
080	Botany Bay	1.52	2.30	4.93	12.03	0	0	1	2	659.24
092	Allans Creek	0.00	0.00	0.11	1.98	0	0	0	2	122.73
093	Port Kembla	0.00	0.00	0.00	0.07	0	0	0	0	44.88
112	Jervis Bay	0.00	0.00	0.05	0.33	0	0	0	0	97.63
121	Ulladulla Harbour	0.00	0.00	0.00	0.09	0	0	0	3	3.65
133	Batemans Bay	0.00	0.41	7.35	13.91	0	0	7	14	100.62
177	Twofold Bay	0.00	0.00	0.00	0.28	0	0	0	1	46.22
	Total	2.07	6.43	25.86	67.37	0	0	1	3	2,287.96

**Table C.36. GURAS database and inundation modelling statistics of power lines affected for EM type estuaries**

Estuary no.	Estuary name	Length of power line (km)				% length of power line				Total length of power line (km)
		0	0.5	1.0	1.5	0	0.5	1.0	1.5	
068	Pittwater	0.08	0.98	8.85	19.46	0	0	2	5	390.84
069	Broken Bay	0.00	0.01	0.01	0.14	0	0	0	0	104.86
077	Port Jackson	0.21	0.50	4.81	20.71	0	0	0	1	2,157.40
080	Botany Bay	0.07	0.55	8.85	29.23	0	0	1	2	1,687.54
092	Allans Creek	0.05	0.09	0.21	3.87	0	0	0	2	223.03
093	Port Kembla	0.00	0.01	0.02	0.27	0	0	0	0	94.20
112	Jervis Bay	0.06	0.08	0.14	0.47	0	0	0	0	101.56
121	Ulladulla Harbour	0.00	0.00	0.00	0.04	0	0	0	0	8.61
133	Batemans Bay	0.14	0.63	16.62	34.11	0	0	7	15	233.97
177	Twofold Bay	0.03	0.04	0.17	0.34	0	0	0	1	50.08
	Total	0.64	2.89	39.68	108.64	0	0	1	2	5,052.09

**Table C.37. GURAS database and inundation modelling statistics of percentage of properties affected for EM type estuaries**

Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		10	25	50	90	100	10	25	50	90	100	10	25	50	90	100	10	25	50	90	100
068	Pittwater	218	21	3	2	1	442	65	25	21	7	606	183	62	69	66	645	289	122	106	195
069	Broken Bay	0	0	0	0	0	16	1	0	0	0	45	21	5	6	0	25	40	14	16	3
077	Port Jackson	220	39	19	3	4	366	73	30	14	7	387	198	95	41	15	466	286	215	136	225
080	Botany Bay	8	6	2	0	0	11	7	7	15	4	31	32	38	81	122	35	39	96	146	455
092	Allans Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	6	8	11
093	Port Kembla	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	Jervis Bay	1	1	0	0	0	2	0	1	0	0	3	1	2	0	0	9	1	10	6	0
121	Ulladulla Harbour	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Batemans Bay	4	2	2	0	0	7	3	5	3	0	42	37	42	68	165	58	35	51	78	392
177	Twofold Bay	2	0	0	0	0	4	0	0	0	0	4	1	0	0	0	4	2	0	1	0

Note: Percentages indicate upper bound of range such that: 10 = 0–10%, 25 = 10–25%, 50 = 25–50%, 90 = 50–90%, 100 = 90–100%

**Table C.38. GURAS database and inundation modelling statistics of types of roads affected for EM type estuaries**

Estuary no.	Estuary name	Current					0.5 m					1.0 m					1.5 m				
		Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr	Mo	Pr	Ar	Lo	Tr
068	Pittwater	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.5	0.0	0.0	1.6	2.1	1.8	0.0	0.0	3.5	5.2	3.1
069	Broken Bay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1
077	Port Jackson	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.1	2.9	0.0	0.0	0.3	1.4	6.2	0.4	0.0	2.2	13.4	10.9
080	Botany Bay	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	1.8	3.1	0.0	0.0	0.5	7.4	4.2
092	Allans Creek	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.9	0.8	0.3
093	Port Kembla	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
112	Jervis Bay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2
121	Ulladulla Harbour	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
133	Batemans Bay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.0	0.0	1.2	5.5	0.7	0.0	0.0	3.3	9.9	0.7
177	Twofold Bay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1

Note: Mo = motorway; Pr = primary road; Ar = arterial road; Lo = local road; Tr = track