

# **Appendix G – Attended monitoring data summary and figures**


ID	Location	Distance from existing highway	Time	L <sub>Aeq</sub>	L <sub>A10</sub>	L <sub>A90</sub>	L <sub>Amax</sub>	Comments
AM1	Tasman Street, Corindi Section 1	170 metres	13:12-13:27	51.4	54.2	42.0	71.3	Dominant noise influence is from traffic on the highway and local traffic.
AM2	Pacific Highway, Halfway Creek, Section 2	190 metres	11:47 - 12:02	49.8	52.6	45.5	65.5	Dominant noise influence is from traffic on the highway. Birds and insects contribute to background noise levels.
AM3	Coldstream Road, Tyndale, Section 3	1250 metres	15:45 - 18:00	43.8	47.5	39.2	79.9	Daytime influences include traffic on the local road, birds and insects and some distant traffic. Night time noise levels are influenced by distant vehicles and frogs/ insects. Traffic noise is the dominant influence at night while wildlife is the dominant source through the day.
			01:45 - 02:00	43.8	47.2	36	60.3	
AM4	Sheehys Lane, Tyndale Section 3	600 metres	23:42 - 23:57	47.1	49.7	41.0	62.7	Traffic noise dominant noise source. Heavy vehicle pass-by noise was audible for extended periods due to the monitoring location at the crest of the hill. Daytime noise influences include birds and insect noise. Vehicle noise was dominant noise source during day and night time periods.
			07:42 - 07:57	48.9	50.6	43.4	72.3	
AM5	Highfield Court, Gulmarrad Section 4	1300 metres	17:45 - 18:00	42.0	44.5	37.7	62.4	Daytime noise influences include distant traffic, distant aircraft, insect noise. At night time distant traffic is clearly audible. Bird, frog and insect noise contribute to background noise levels during this time.
			23:00 - 23:15	42.9	45.9	38.0	52.3	
AM6	Hillcrest Road, Mclean Section 4	110 metres	17:18 - 17:33	55.7	59.4	47.6	68.2	Heavy vehicle movements on local road and highway dominate ambient noise levels for both daytime and night time periods.
			22:24 - 22:39	54.0	57.9	39.7	69.0	

AM7	Scullin Road, Mclean Section 4	300 metres	17:44 - 17:59	50.9	54.9	40.7	65.9	Heavy vehicles on highway are dominant noise source. Some insect and bird noises contribute to the noise environment.
			22:44 - 22:59	50.6	54.8	39.4	62.82	
AM8	Yamba Road, Harwood Section 5	230 Metres	21:56 - 22:11	58.4	62.0	49.1	73.32	Heavy vehicles on Harwood Bridge dominate the ambient noise environment. Background noise levels from Harwood Mill. Harwood Bridge rattles and reverberates when heavy vehicles are crossing adding significantly to the noise level.
AM9	Garrets Lane, Chatsworth Section 6	235 metres	21:28 - 21:43	52.3	56.9	38.8	64.01	Heavy vehicles and cars on highway clearly audible. Engine noise dominant. At night, some crickets/ insects influence background noise levels.
			16:37 - 16:52	53.8	57.1	45.7	69.13	
AM10	Jackybulbin Road Section 6	325 metres	12:40 - 12:55	64.5	57.1	42.5	84.7	During the daytime ambient noise levels influenced by road traffic on highway, bird song and frequent truck movements along Jackybulbin Road (approx. 1 every 2 minutes). At night time distant highway traffic noise and insect noise contribute to the noise environment.
			21:10 - 21:25	40.5	44.6	39.9	59.6	
AM11	Tabbimoble Section 7	540 metres	13:30 - 13:45	58.3	61.4	47.1	73.0	Road traffic noise from highway dominant noise source. Bird and insect noise contribute to the background noise levels.
AM12	85 Whites Road, New Italy Section 7	550 metres	21.49 - 22.14	38.9	40.2	35.2	57.9	At night, distant highway traffic noise is audible. Insect noise also contributes to the ambient noise levels.
AM13	Broadwater National Park Section 8	15 metres	15:45 - 16:00	58.9	62.1	47.9	71.0	Daytime noise environment is dominated by vehicle movements with some loud heavy vehicle movements. Some bird and insect noise was observed in the quieter periods. At night, the ambient noise environment is mostly influenced by heavy vehicle movements.
			01:00 - 01:15	60.3	63.9	37.2	73.7	

AM14	Macdonald Street, Broadwater Section 9	580 metres	16.00 - 16.15	59.2	62.1	39.2	72.7	Localised traffic movements main noise source however distant highway traffic audible in absence of localised movements. At night, background noise influenced by distant road traffic (2 local road car movements during monitoring), and insect noise.
			00.58 - 00.13	39.7	39.6	35.2	52.8	
AM15	Back Channel Road, Broadwater Section 10	290 metres	00.23 - 00.38	41.2	42.5	35.7	57.2	Background road traffic noise audible from across river (highway), insect noise.
AM16	Coolgardie, Section 10	660 metres	22.50 - 23.15	38.8	41.3	36.5	60.3	Distant highway traffic noise and insect noise
AM17	Whytes Lane Section 11	730 metres	15.28 - 15.43	54.5	52.6	45.2	72.1	Background road traffic noise from highway, localised vehicle movements along Whytes Lane and Pimlico Road.
			23.24 - 23.39	40.9	43.4	35.6	58.1	Insect and bird noise, background road traffic on highway
AM18	Pimlico Road, Pimlico Section 11	132 metres	21:00 - 21:15	52.3	56.6	42.8	62.2	Heavy vehicles and cars on highway dominate the ambient noise environment. Frogs and insects contribute to the background noise levels.

Appendix G.I Attended monitoring sites



-  The project
-  Upgrade completed to dual carriageway
-  Upgrade under construction
-  Attended monitoring site
-  Receiver location
-  Receiver location outside NCA



# Upgrading the Pacific Highway - Woolgoolga to Ballina Upgrade

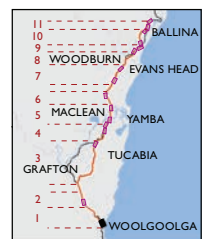


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# Upgrading the Pacific Highway - Woolgoolga to Ballina Upgrade

## Appendix G.2 Attended monitoring sites



-  The project
-  Upgrade completed to dual carriageway
-  Upgrade under construction
-  Attended monitoring site
-  Receiver location
-  Receiver location outside NCA



Upgrading the Pacific Highway - Woolgoolga to Ballina Upgrade

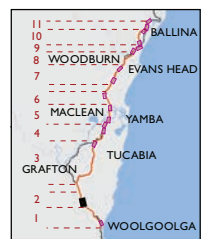


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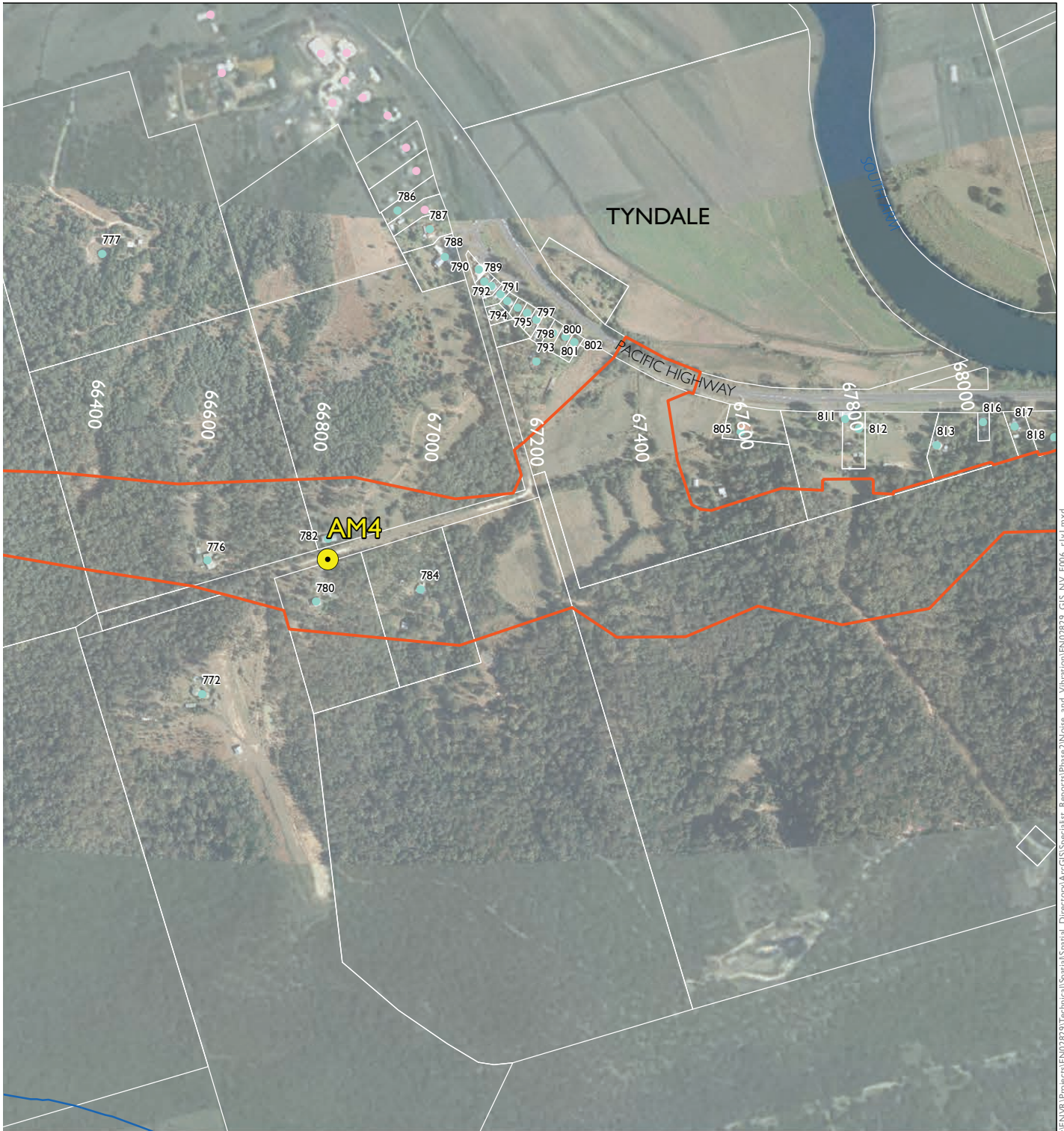
Appendix G.3 Attended monitoring sites



-  The project
-  Upgrade completed to dual carriageway
-  Upgrade under construction
-  Attended monitoring site
-  Receiver location
-  Receiver location outside NCA



Upgrading the Pacific Highway - Woolgoolga to Ballina Upgrade

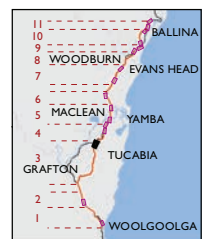


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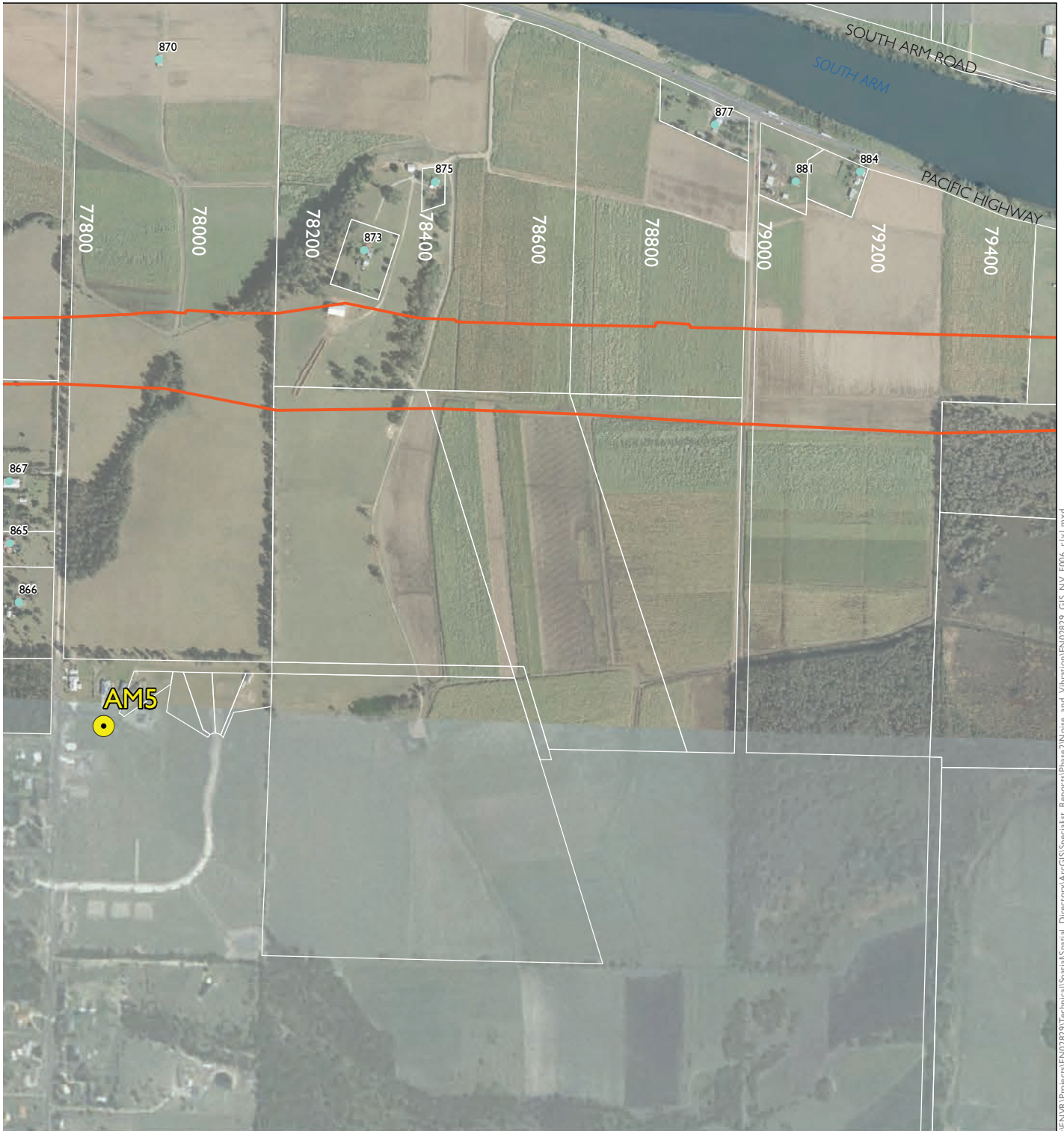
Appendix G.4 Attended monitoring sites



-  The project
-  Upgrade completed to dual carriageway
-  Upgrade under construction
-  Attended monitoring site
-  Receiver location
-  Receiver location outside NCA



# Upgrading the Pacific Highway - Woolgoolga to Ballina Upgrade

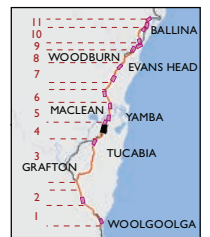


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Upgrading the Pacific Highway - Woolgoolga to Ballina Upgrade

Appendix G.5 Attended monitoring sites



-  The project
-  Upgrade completed to dual carriageway
-  Upgrade under construction
-  Attended monitoring site
-  Receiver location
-  Receiver location outside NCA



Upgrading the Pacific Highway - Woolgoolga to Ballina Upgrade

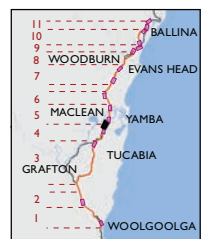


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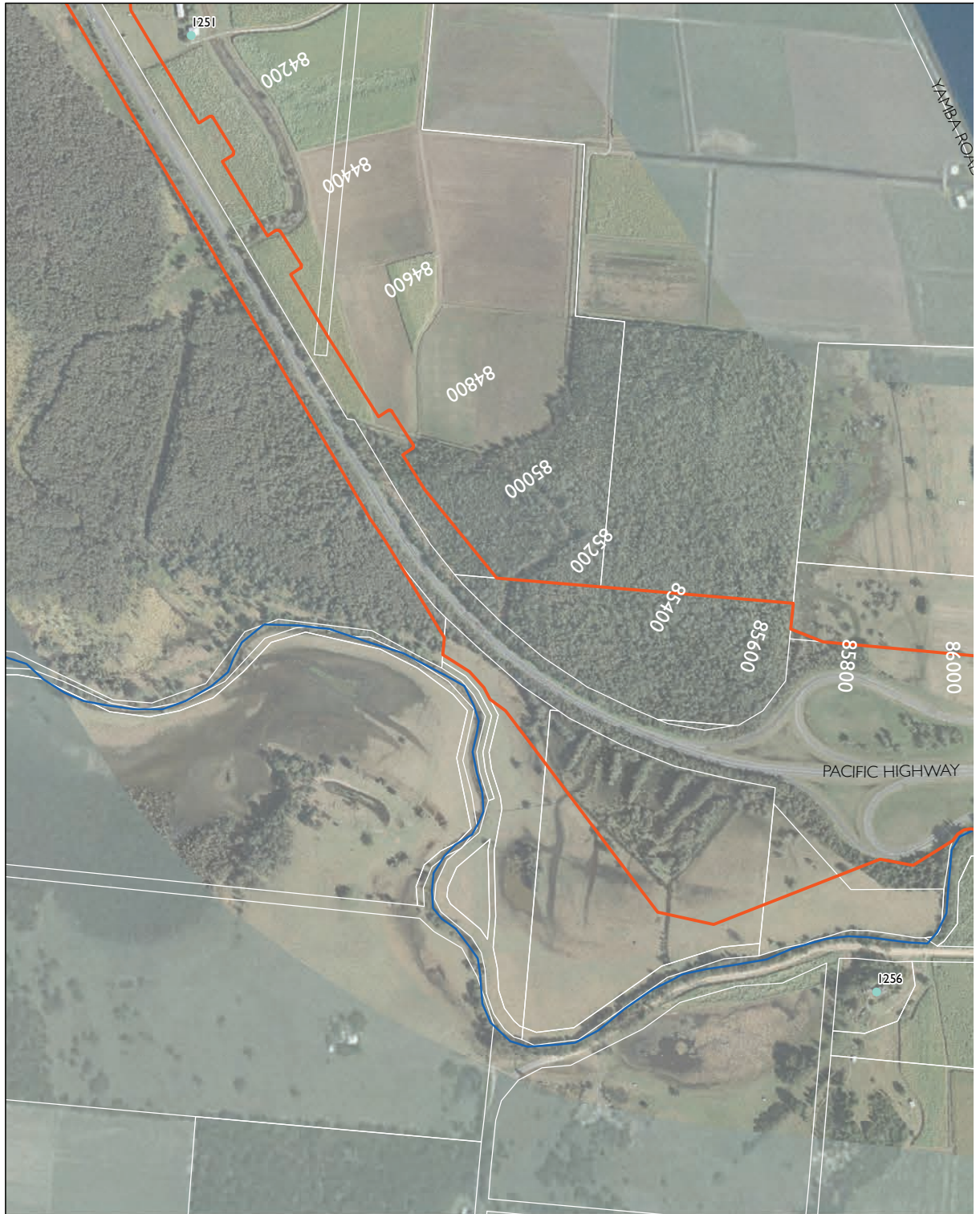
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Appendix G.6 Attended monitoring sites

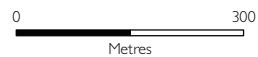


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|  The project                           |  Attended monitoring site      |
|  Upgrade completed to dual carriageway |  Receiver location             |
|  Upgrade under construction            |  Receiver location outside NCA |

Upgrading the Pacific Highway - Woolgoolga to Ballina Upgrade

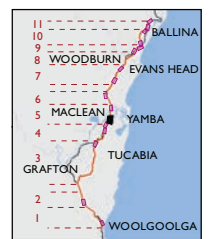


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Appendix G.7 Attended monitoring sites



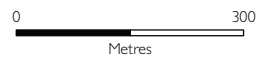
-  The project
-  Upgrade completed to dual carriageway
-  Upgrade under construction
-  Attended monitoring site
-  Receiver location
-  Receiver location outside NCA



Upgrading the Pacific Highway - Woolgoolga to Ballina Upgrade

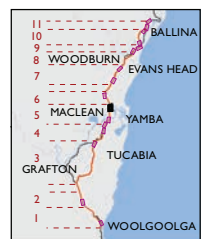


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Appendix G.8 Attended monitoring sites



-  The project
-  Upgrade completed to dual carriageway
-  Upgrade under construction
-  Attended monitoring site
-  Receiver location
-  Receiver location outside NCA



Upgrading the Pacific Highway - Woolgoolga to Ballina Upgrade

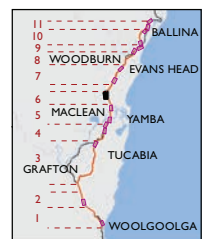


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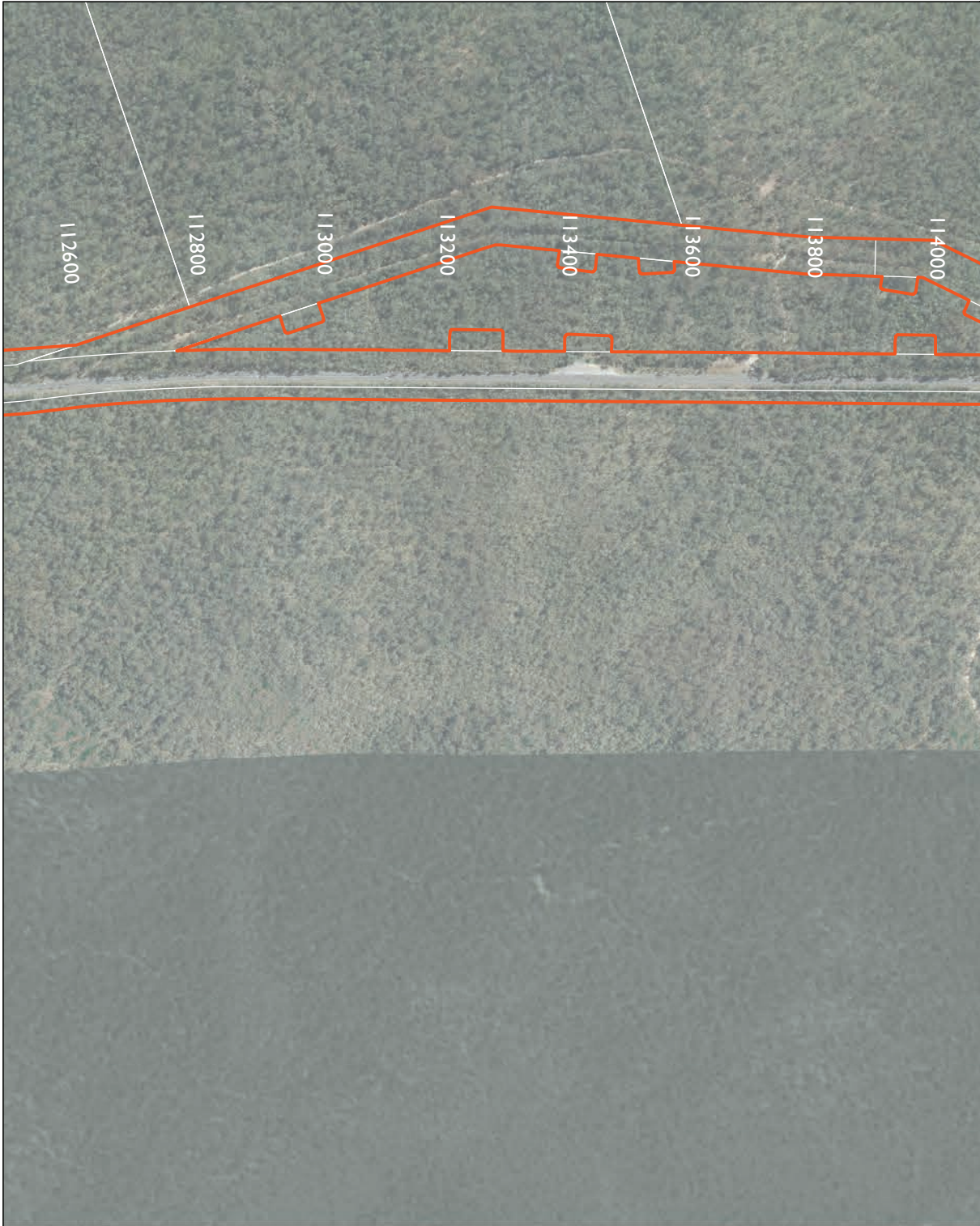
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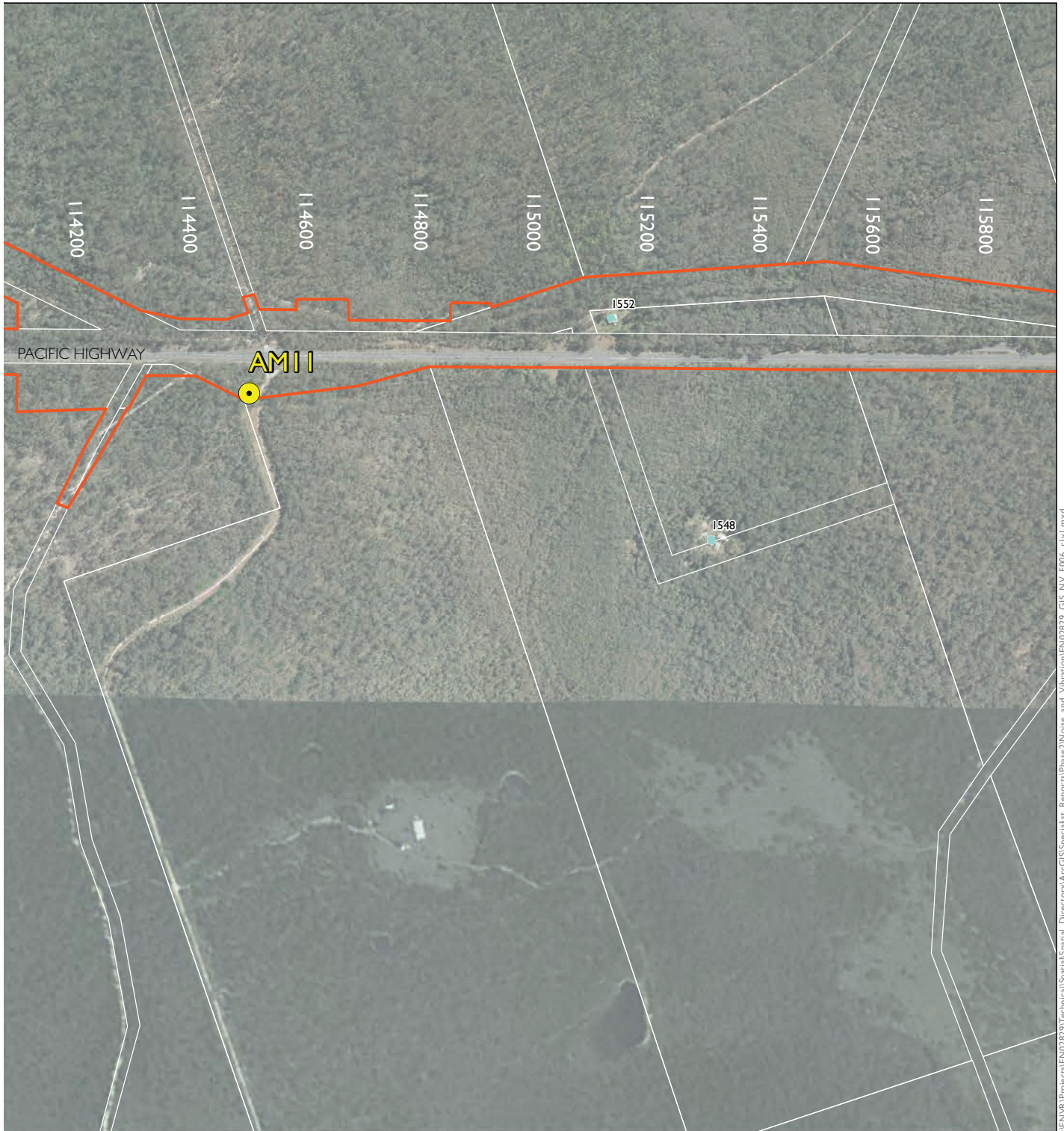
Appendix G.9 Attended monitoring sites



-  The project
-  Upgrade completed to dual carriageway
-  Upgrade under construction
-  Attended monitoring site
-  Receiver location
-  Receiver location outside NCA



Upgrading the Pacific Highway - Woolgoolga to Ballina Upgrade

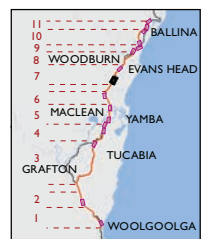


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Upgrading the Pacific Highway - Woolgoolga to Ballina Upgrade

Appendix G.10 Attended monitoring sites



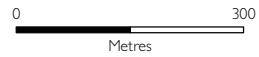
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|---|---|
|  The project                           |  Attended monitoring site      |
|  Upgrade completed to dual carriageway |  Receiver location             |
|  Upgrade under construction            |  Receiver location outside NCA |



# Upgrading the Pacific Highway - Woolgoolga to Ballina Upgrade

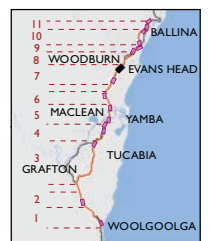


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Appendix G.11 Attended monitoring sites



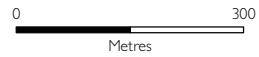
-  The project
-  Upgrade completed to dual carriageway
-  Upgrade under construction
-  Attended monitoring site
-  Receiver location
-  Receiver location outside NCA



Upgrading the Pacific Highway - Woolgoolga to Ballina Upgrade

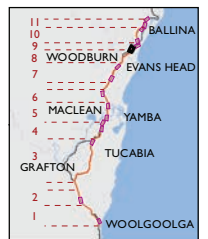


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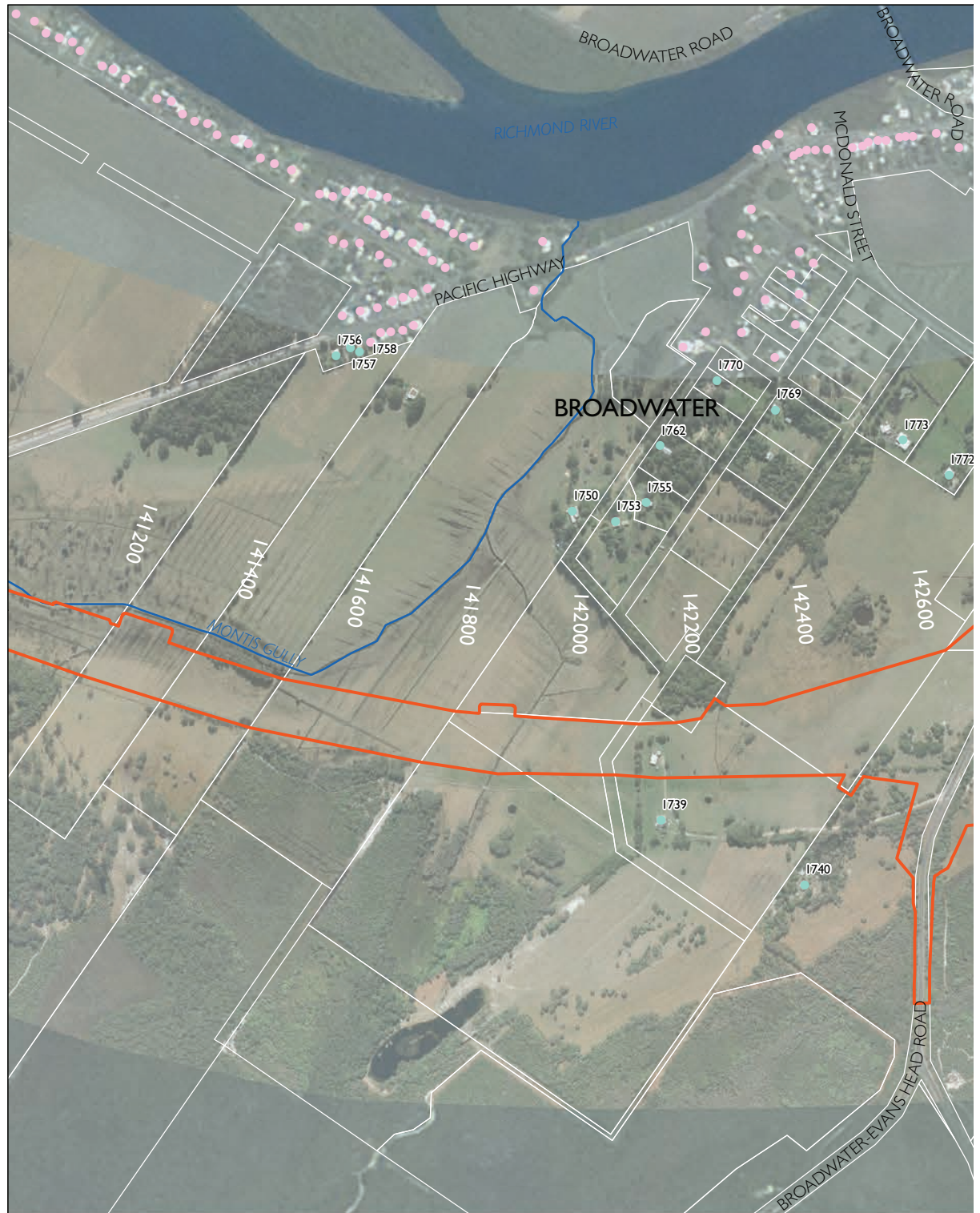



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Appendix G.12 Attended monitoring sites



-  The project
-  Upgrade completed to dual carriageway
-  Upgrade under construction
-  Attended monitoring site
-  Receiver location
-  Receiver location outside NCA



Upgrading the Pacific Highway - Woolgoolga to Ballina Upgrade

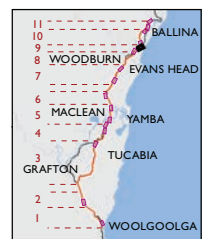


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Upgrading the Pacific Highway - Woolgoolga to Ballina Upgrade

Appendix G.13 Attended monitoring sites



- |   |   |
|---|---|
|  The project                           |  Attended monitoring site      |
|  Upgrade completed to dual carriageway |  Receiver location             |
|  Upgrade under construction            |  Receiver location outside NCA |

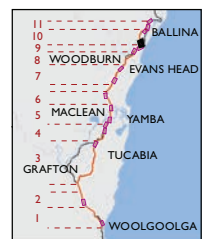


Upgrading the Pacific Highway - Woolgoolga to Ballina Upgrade



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Appendix G.14 Attended monitoring sites



-  The project
-  Upgrade completed to dual carriageway
-  Upgrade under construction
-  Attended monitoring site
-  Receiver location
-  Receiver location outside NCA



# Upgrading the Pacific Highway - Woolgoolga to Ballina Upgrade

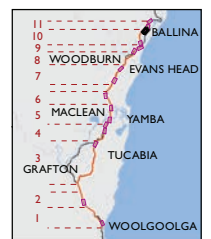


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Upgrading the Pacific Highway - Woolgoolga to Ballina Upgrade

Appendix G.15 Attended monitoring sites



-  The project
-  Upgrade completed to dual carriageway
-  Upgrade under construction
-  Attended monitoring site
-  Receiver location
-  Receiver location outside NCA



# Upgrading the Pacific Highway - Woolgoolga to Ballina Upgrade

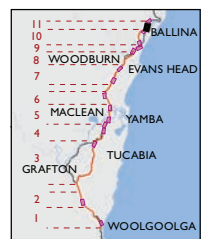


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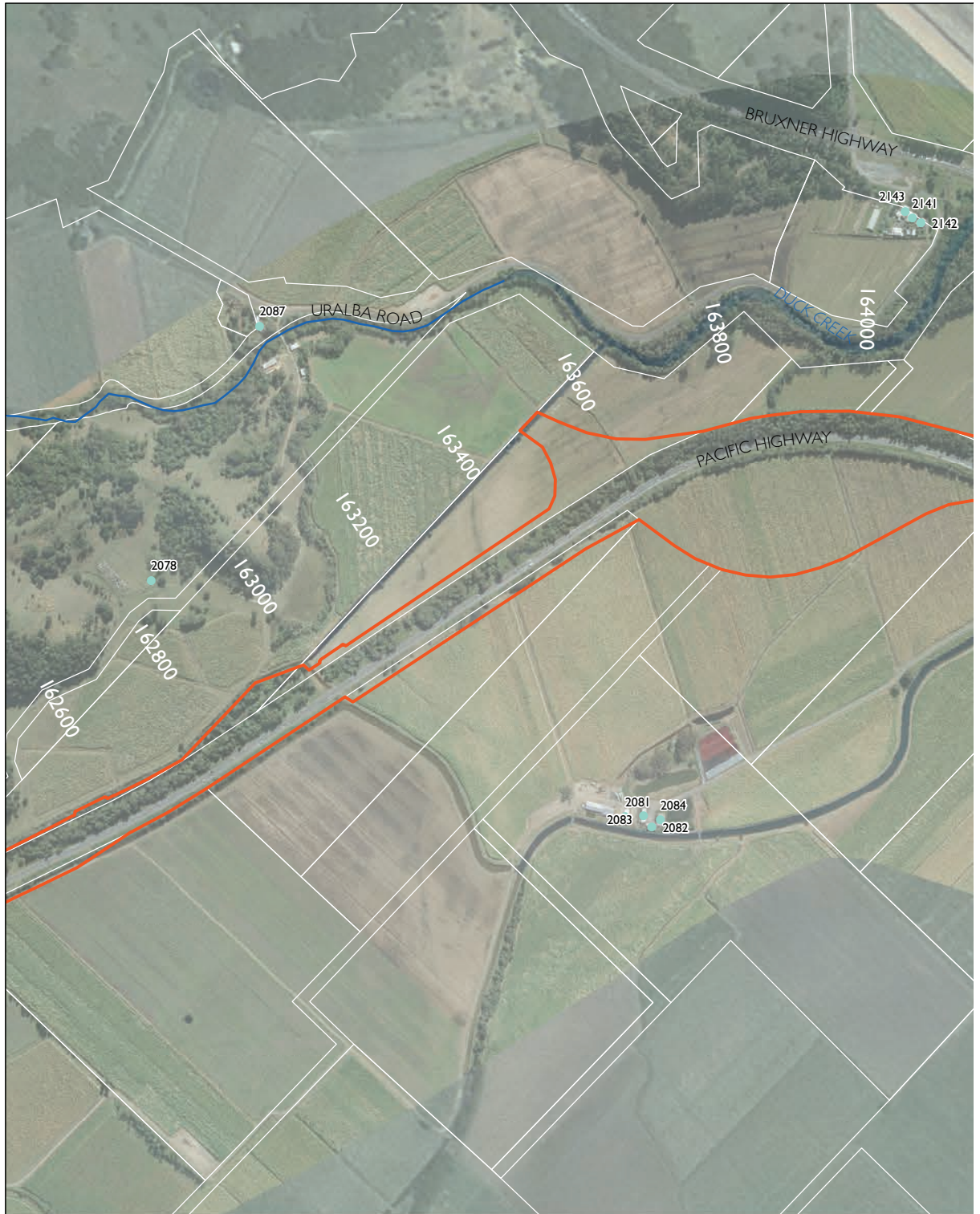
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Upgrading the Pacific Highway - Woolgoolga to Ballina Upgrade

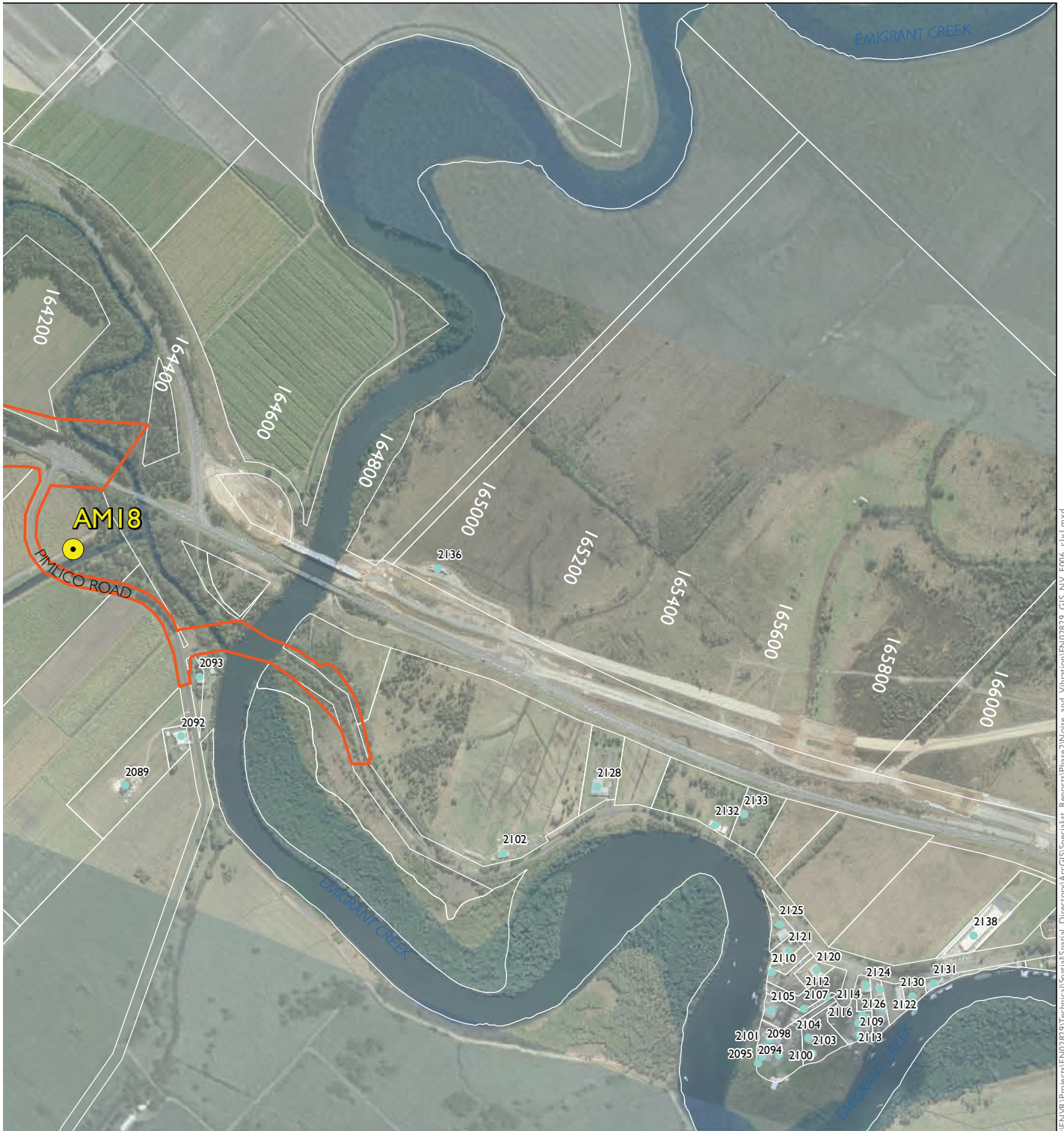
Appendix G.16 Attended monitoring sites



-  The project
-  Upgrade completed to dual carriageway
-  Upgrade under construction
-  Attended monitoring site
-  Receiver location
-  Receiver location outside NCA



Upgrading the Pacific Highway - Woolgoolga to Ballina Upgrade



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