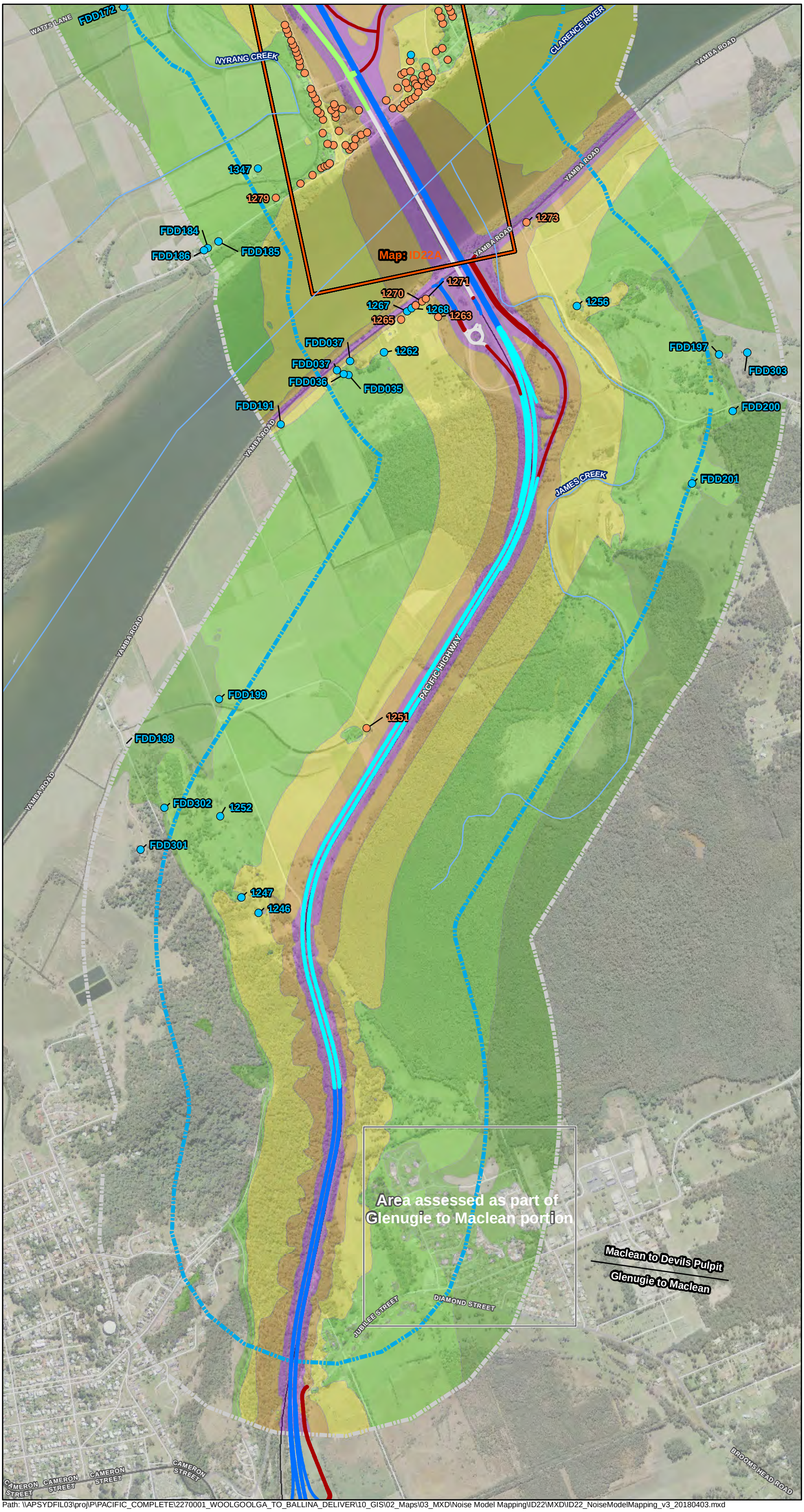
Appendix E-2 Noise contour maps Maclean to Devils Pulpit



Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019 Build Day

Map: ID22

Map 1 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000
at A3

0 75 150 300 450 600 750
Metres

Print Date:	4/04/2018
Author:	ORFANOSM

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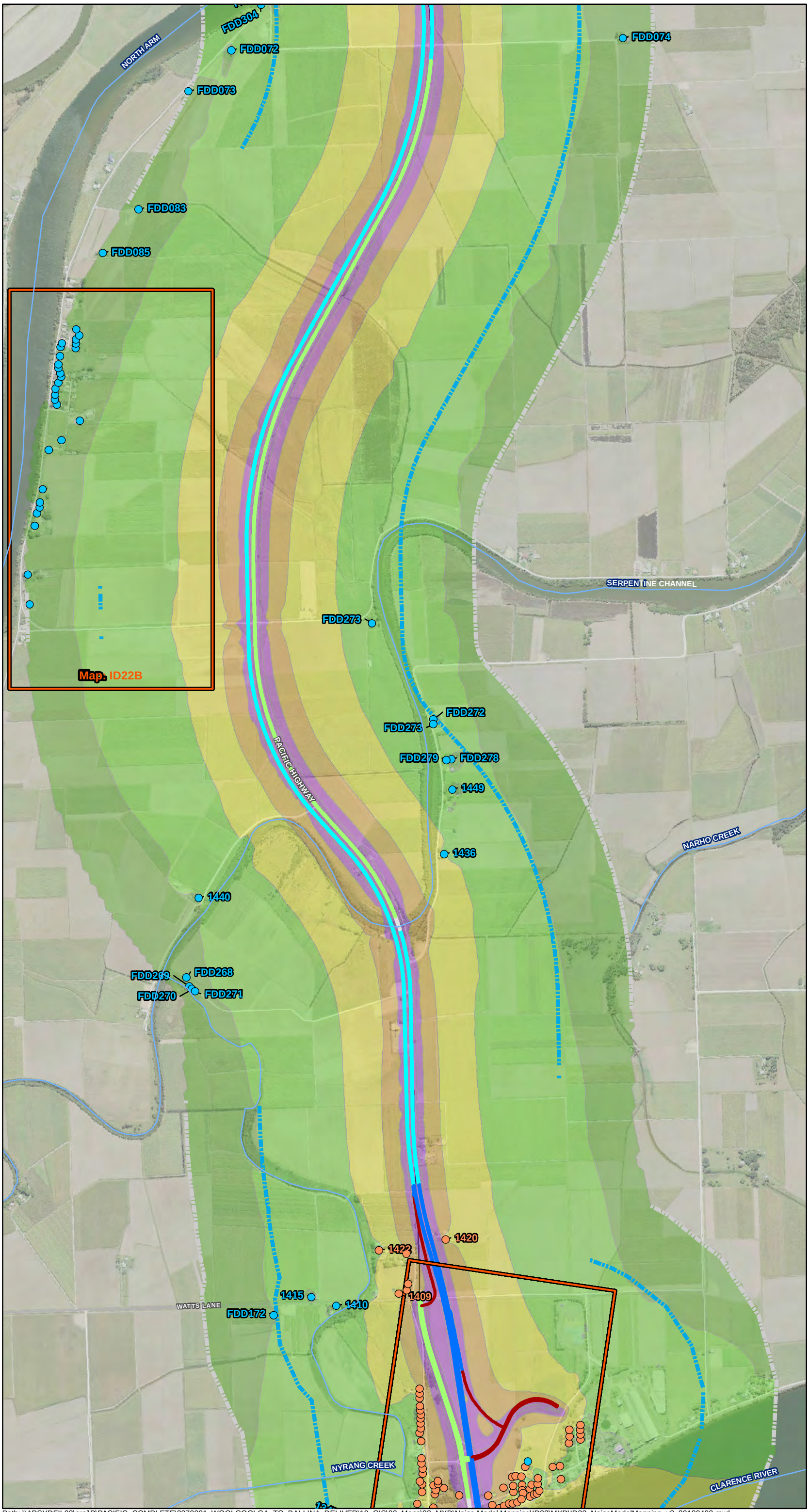

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019 Build Day

Map: ID22

Map 2 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000 at A3

0 75 150 300 450 600 750
Metres

Print Date:	4/04/2018
Author:	ORFANOSM

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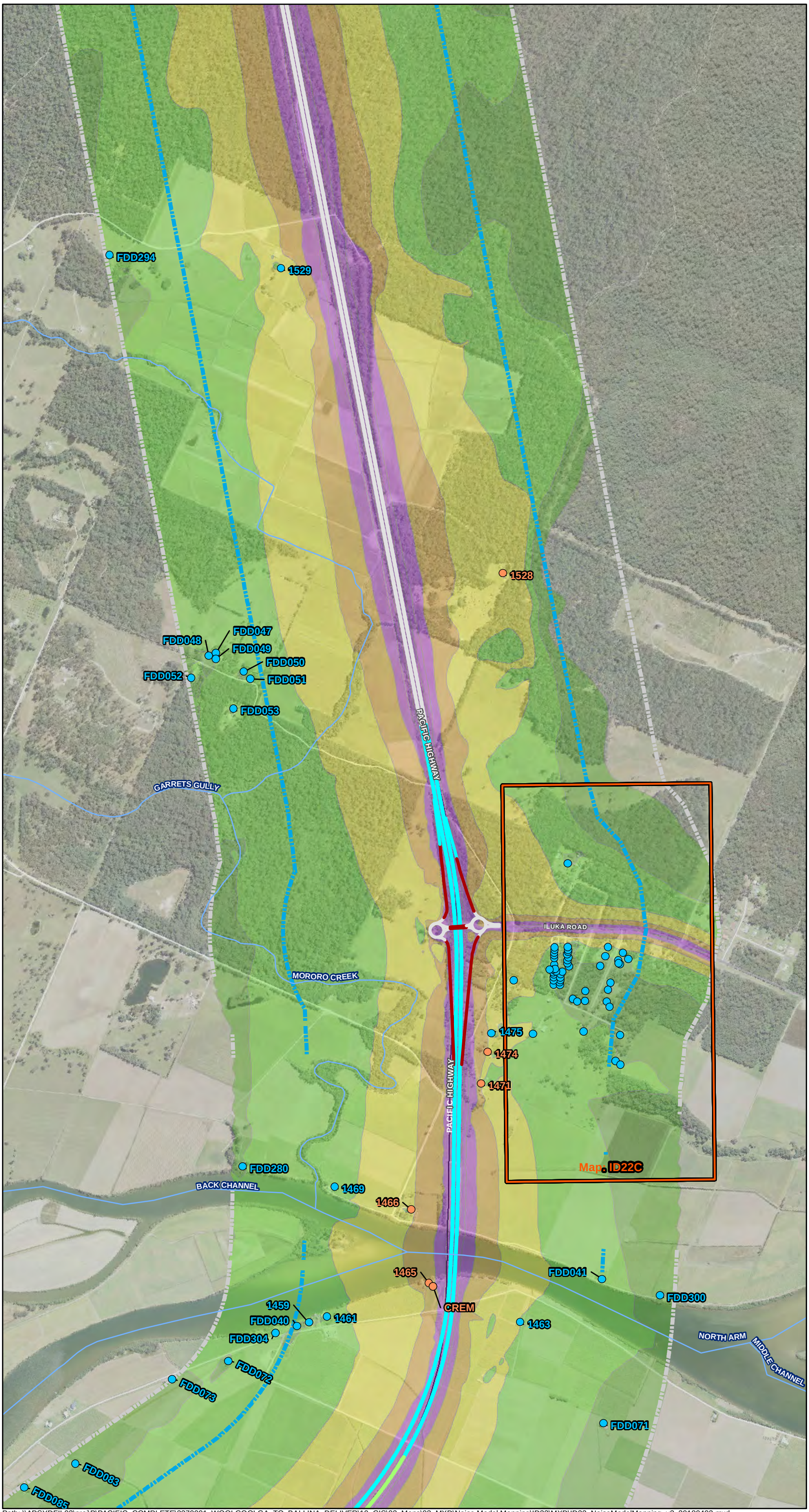

Transport Roads & Maritime Services

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019 Build Day

Map: ID22

Map 3 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000 at A3

0 75 150 300 450 600 750 Metres

Print Date:	4/04/2018
Author:	ORFANOSM

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Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019 Build Day

Map: ID22

Map 4 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000
at A3

0 75 150 300 450 600 750
Metres

Print Date:	4/04/2018
Author:	ORFANOSM

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Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019 Build Day

Map: ID22

Map 5 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000
at A3

0 75 150 300 450 600 750
Metres

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Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019 Build Day

Map: ID22A

Map 1 of 3

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:4,000
at A3

0 20 40 80 120 160 200
Metres

Print Date:	4/04/2018
Author:	ORFANOSM

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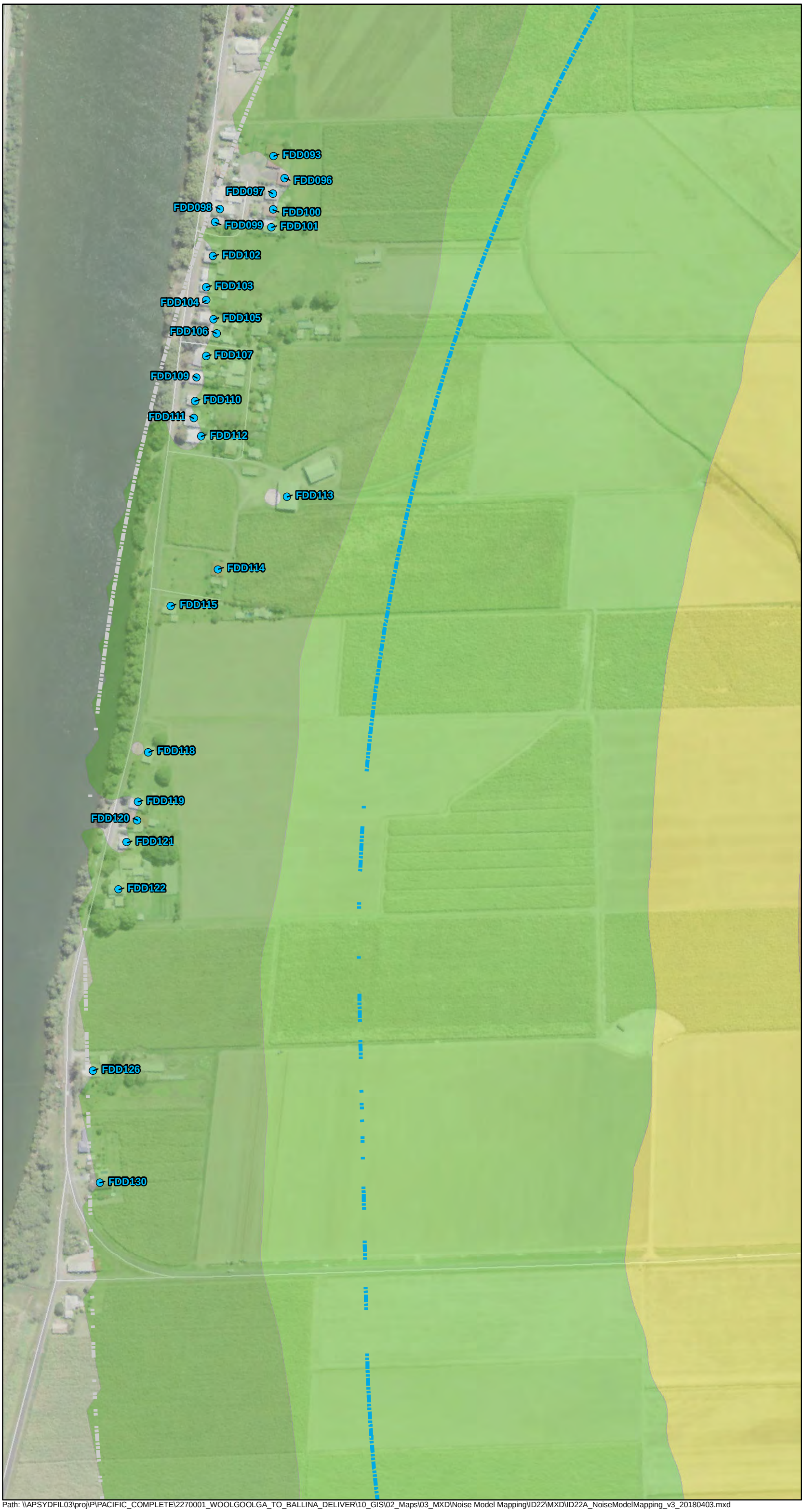

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019 Build Day

Map: ID22B

Map 2 of 3

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:4,000
at A3

0 20 40 80 120 160 200
Metres

Print Date:	4/04/2018
Author:	ORFANOSM

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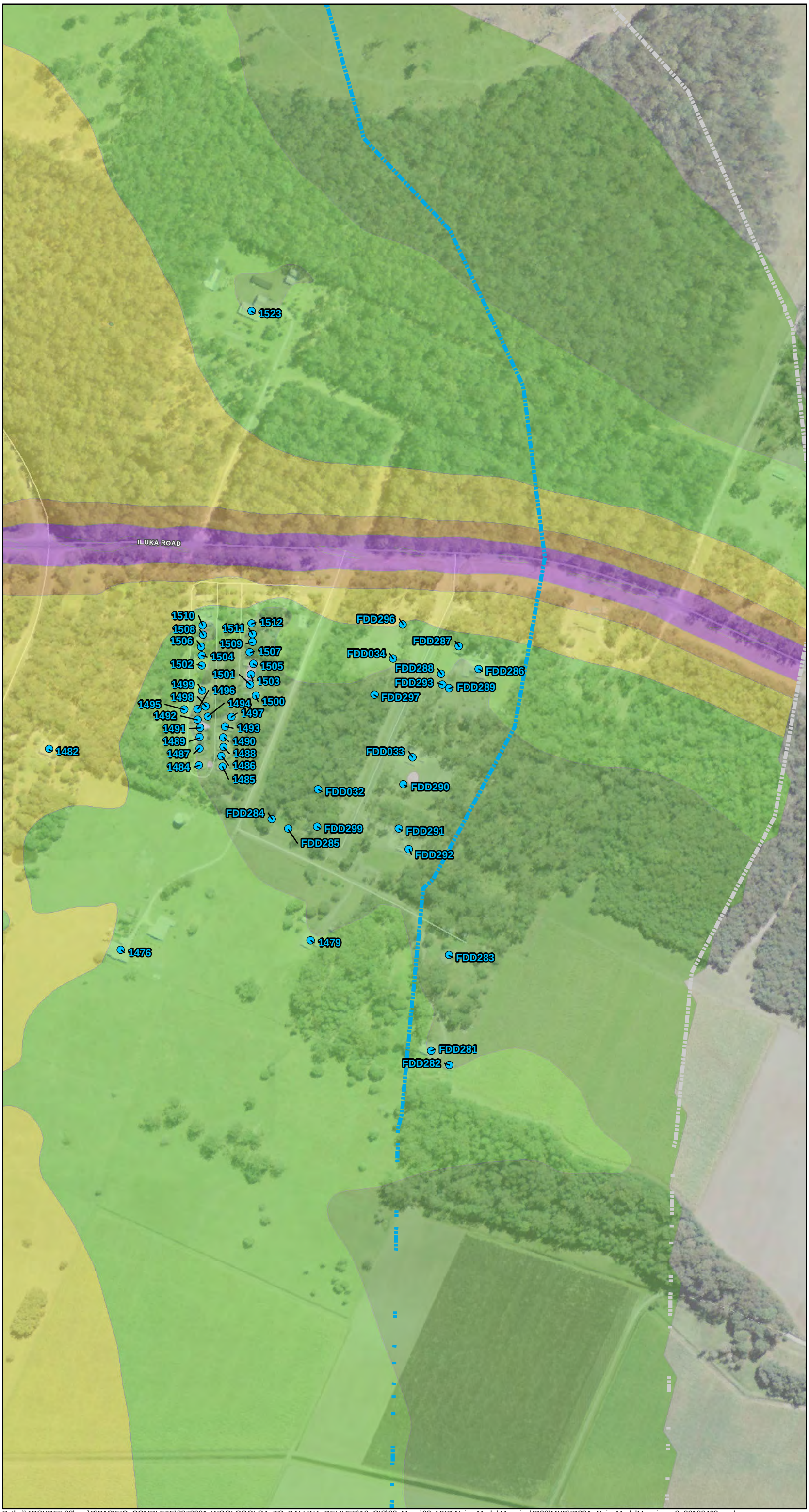

Transport Roads & Maritime Services

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019 Build Day

Map: ID22C

Map 3 of 3

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:4,000 at A3

0 20 40 80 120 160 200
Metres

Print Date:	4/04/2018
Author:	ORFANOSM

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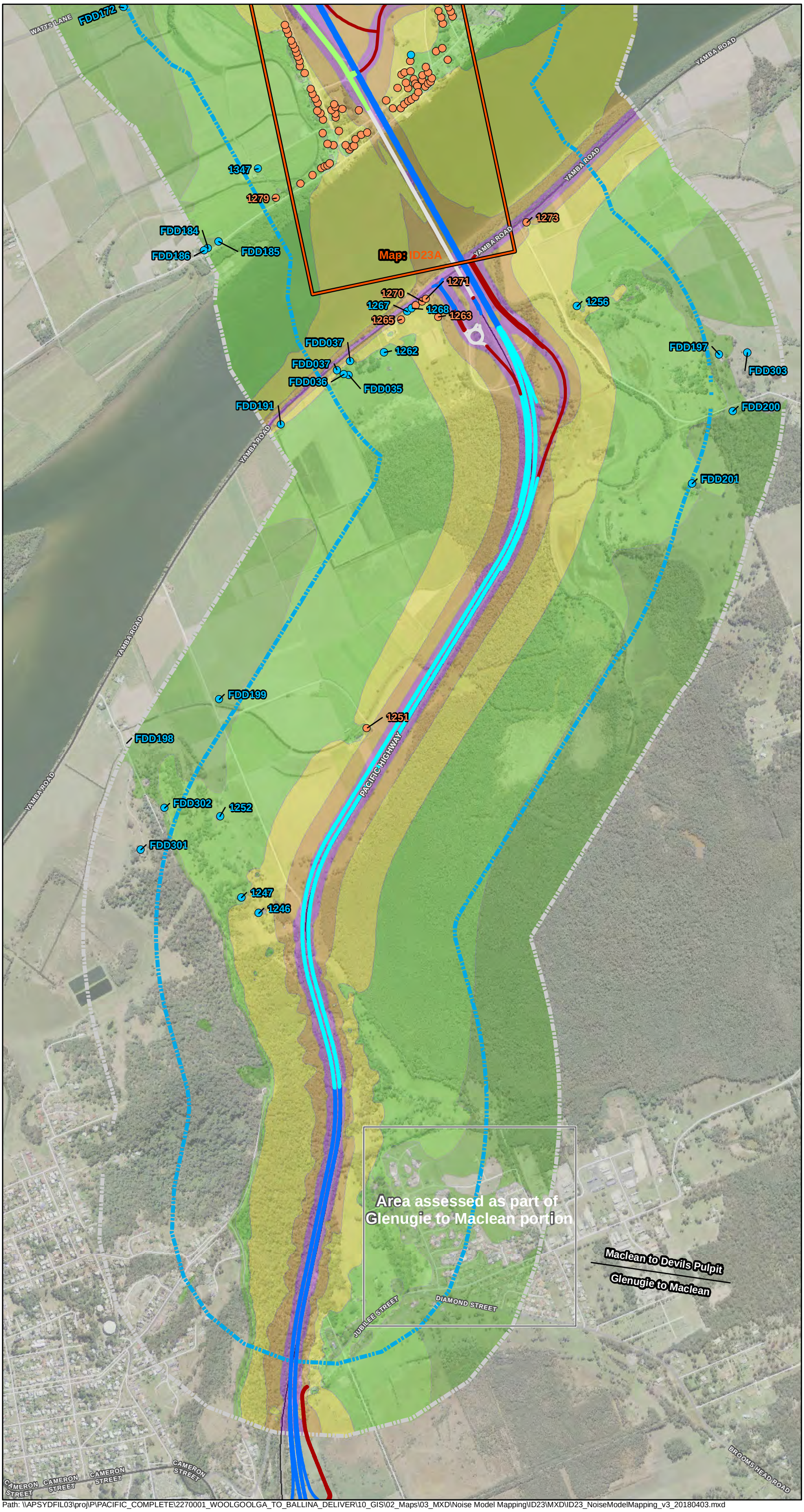

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019 Build Night

Map: ID23

Map 1 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000 at A3

0 75 150 300 450 600 750
Metres

Print Date:	4/04/2018
Author:	ORFANOSM

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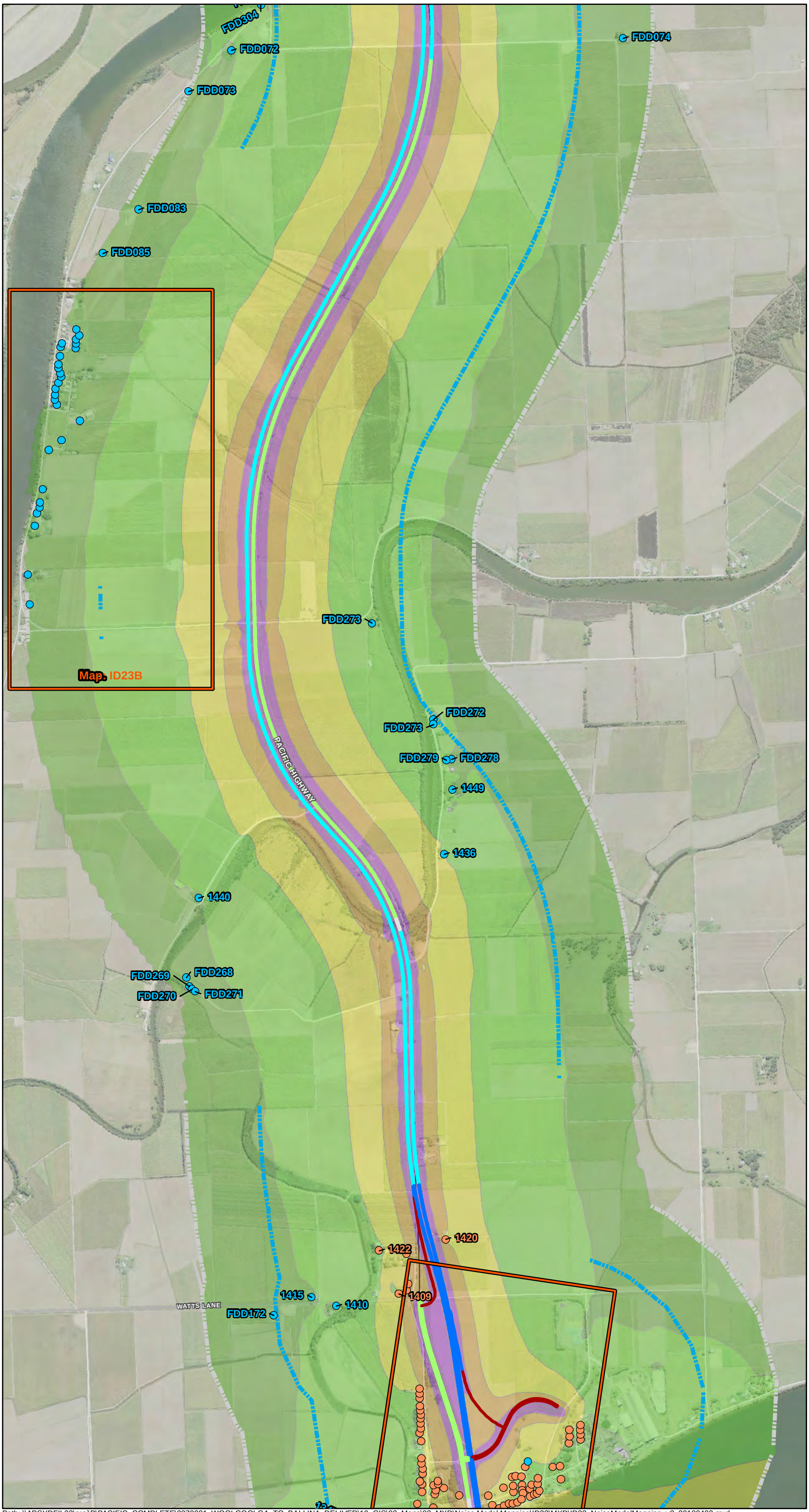

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019 Build Night

Map: ID23

Map 2 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000 at A3

0 75 150 300 450 600 750
Metres

Print Date:	4/04/2018
Author:	ORFANOSM

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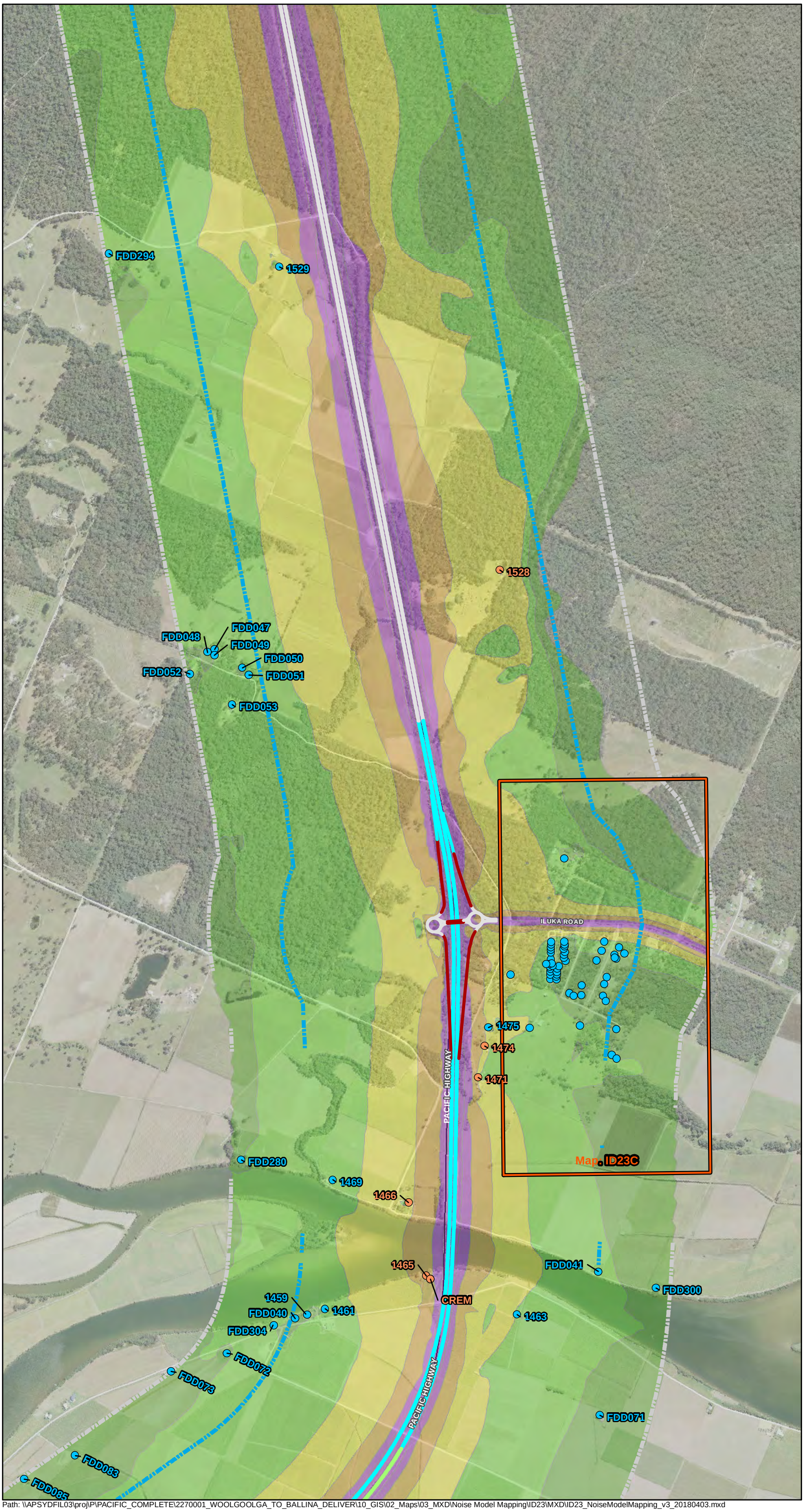

Transport Roads & Maritime Services

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019 Build Night

Map: ID23

Map 3 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
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- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000 at A3

0 75 150 300 450 600 750 Metres

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Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019 Build Night

Map: ID23

Map 4 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
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Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000
at A3

0 75 150 300 450 600 750
Metres

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Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019 Build Night

Map: ID23

Map 5 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
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Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000 at A3

0 75 150 300 450 600 750
Metres

Print Date:	4/04/2018
Author:	ORFANOSM

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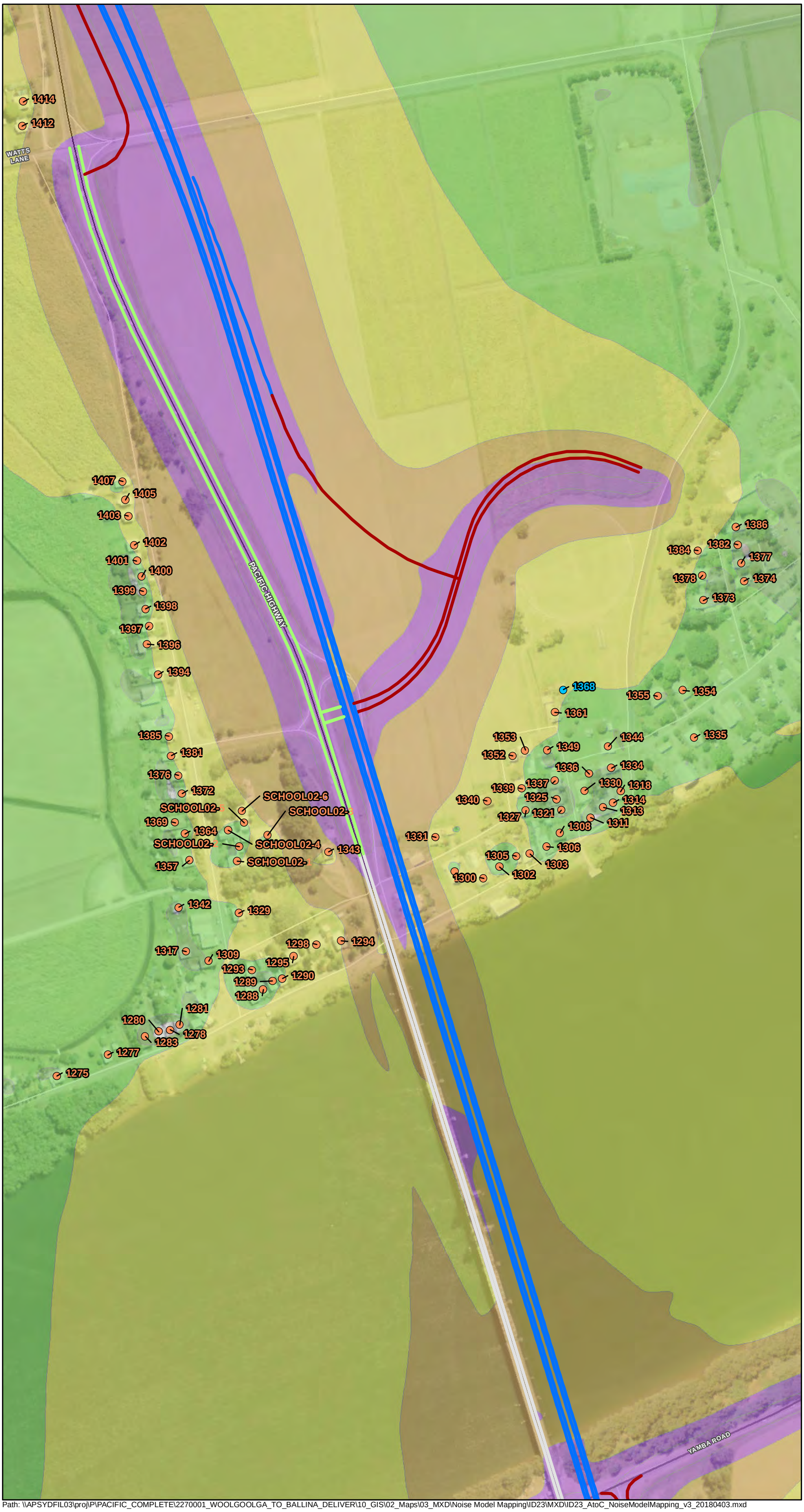

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019 Build Night

Map: ID23A

Map 1 of 3

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:4,000
at A3

0 20 40 80 120 160 200
Metres

Print Date:	4/04/2018
Author:	ORFANOSM

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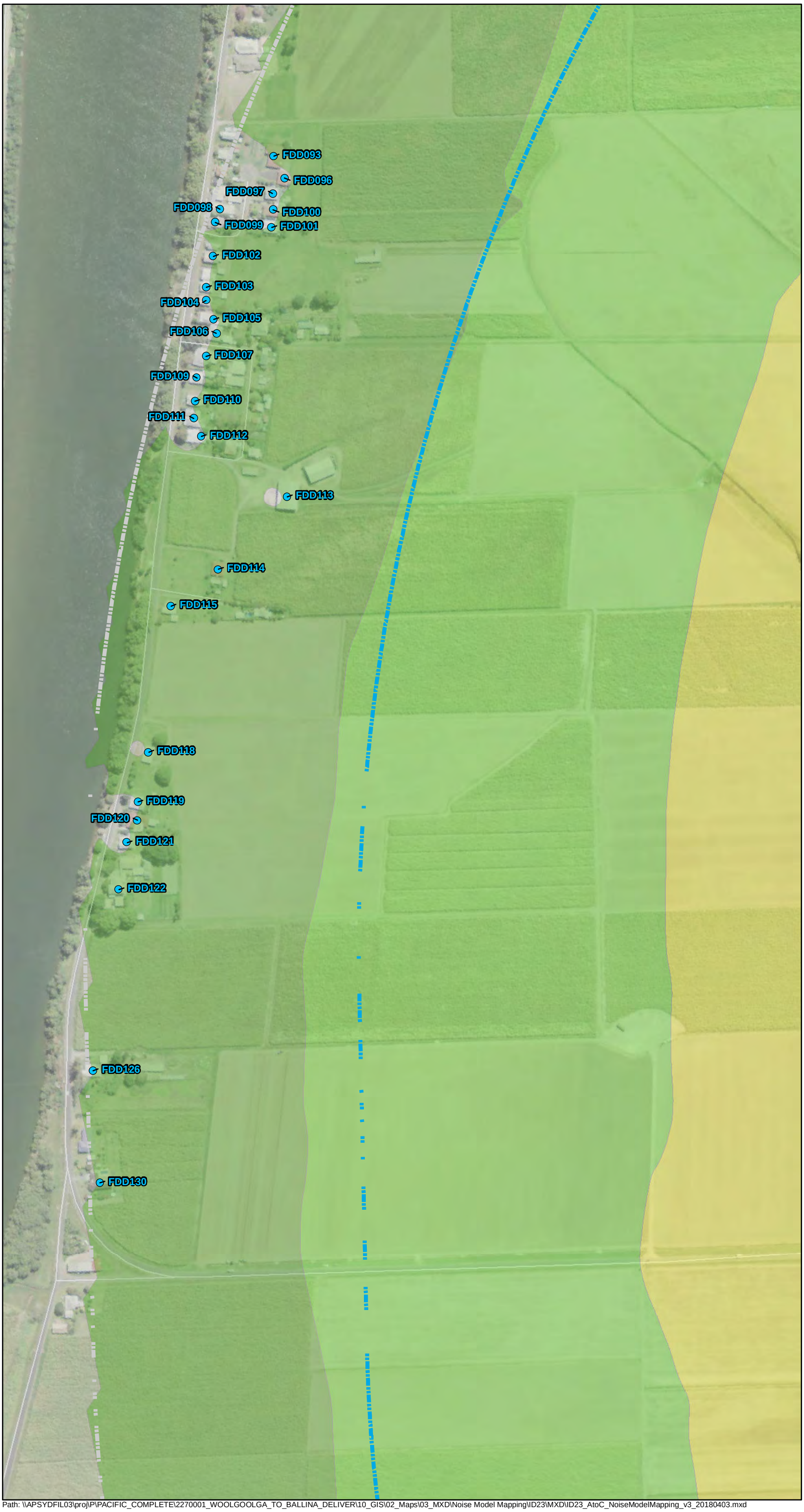

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019 Build Night

Map: ID23B

Map 2 of 3

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:4,000
at A3

0 20 40 80 120 160 200
Metres

Print Date:	4/04/2018
Author:	ORFANOSM

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Transport Roads & Maritime Services

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019 Build Night

Map: ID23C

Map 3 of 3

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:4,000 at A3

0 20 40 80 120 160 200
Metres

Print Date:	4/04/2018
Author:	ORFANOSM

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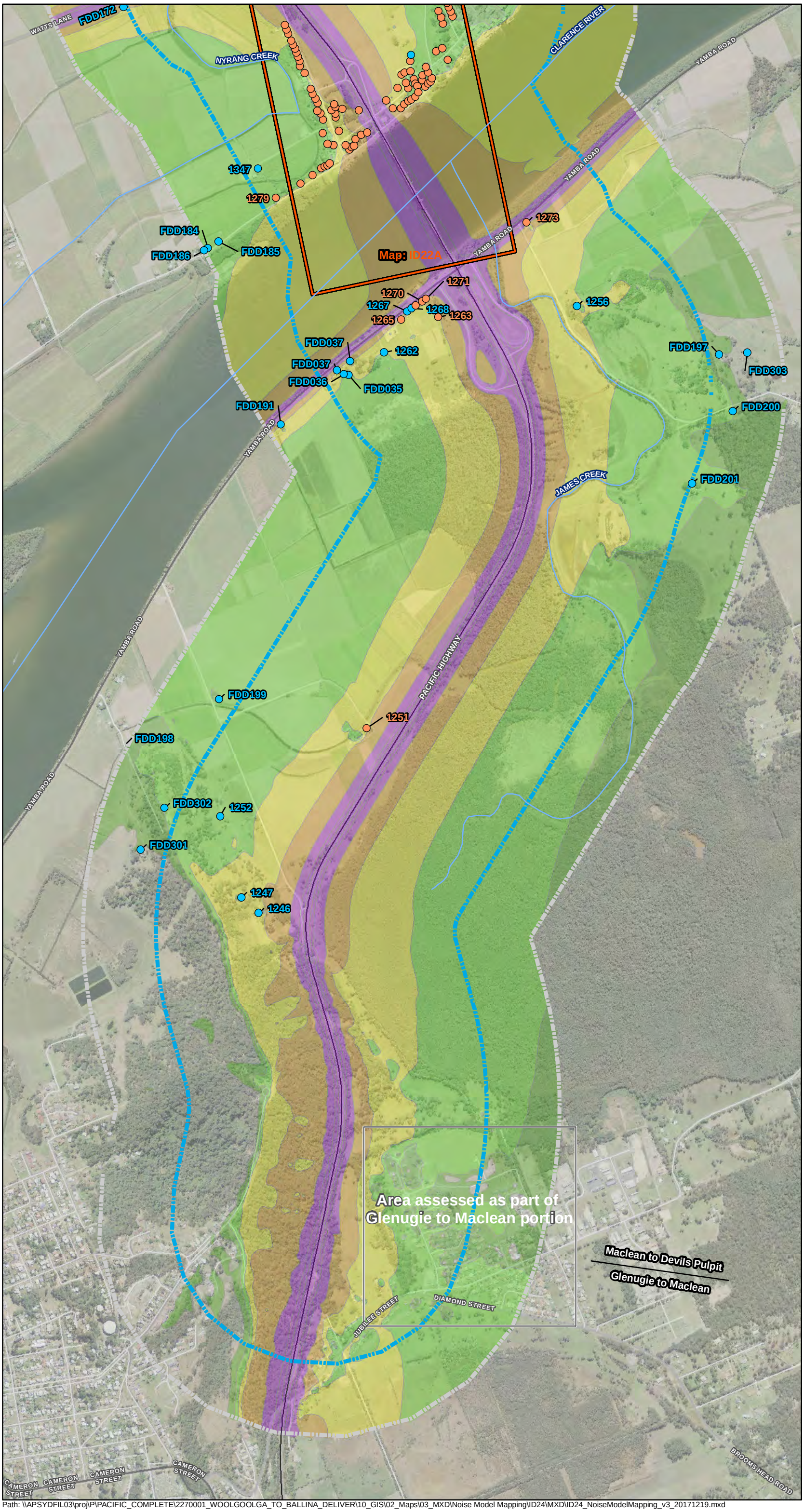

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019
No Build Day

Map: ID24

Map 1 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000
at A3

0 75 150 300 450 600 750
Metres

Print Date:	1/03/2018
Author:	ORFANOSM

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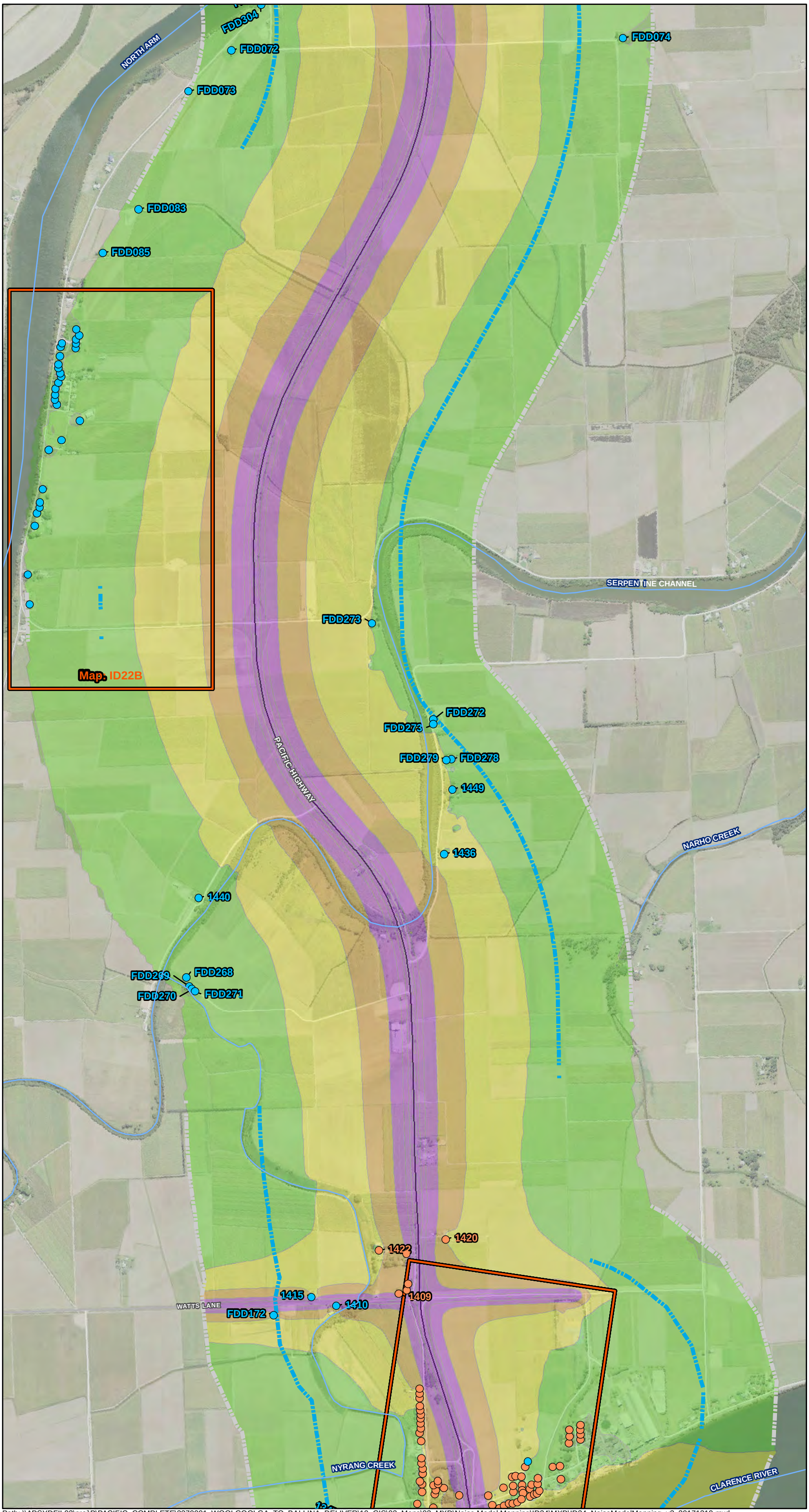

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019
No Build Day

Map: ID24

Map 2 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000
at A3

0 75 150 300 450 600 750
Metres

Print Date:	1/03/2018
Author:	ORFANOSM

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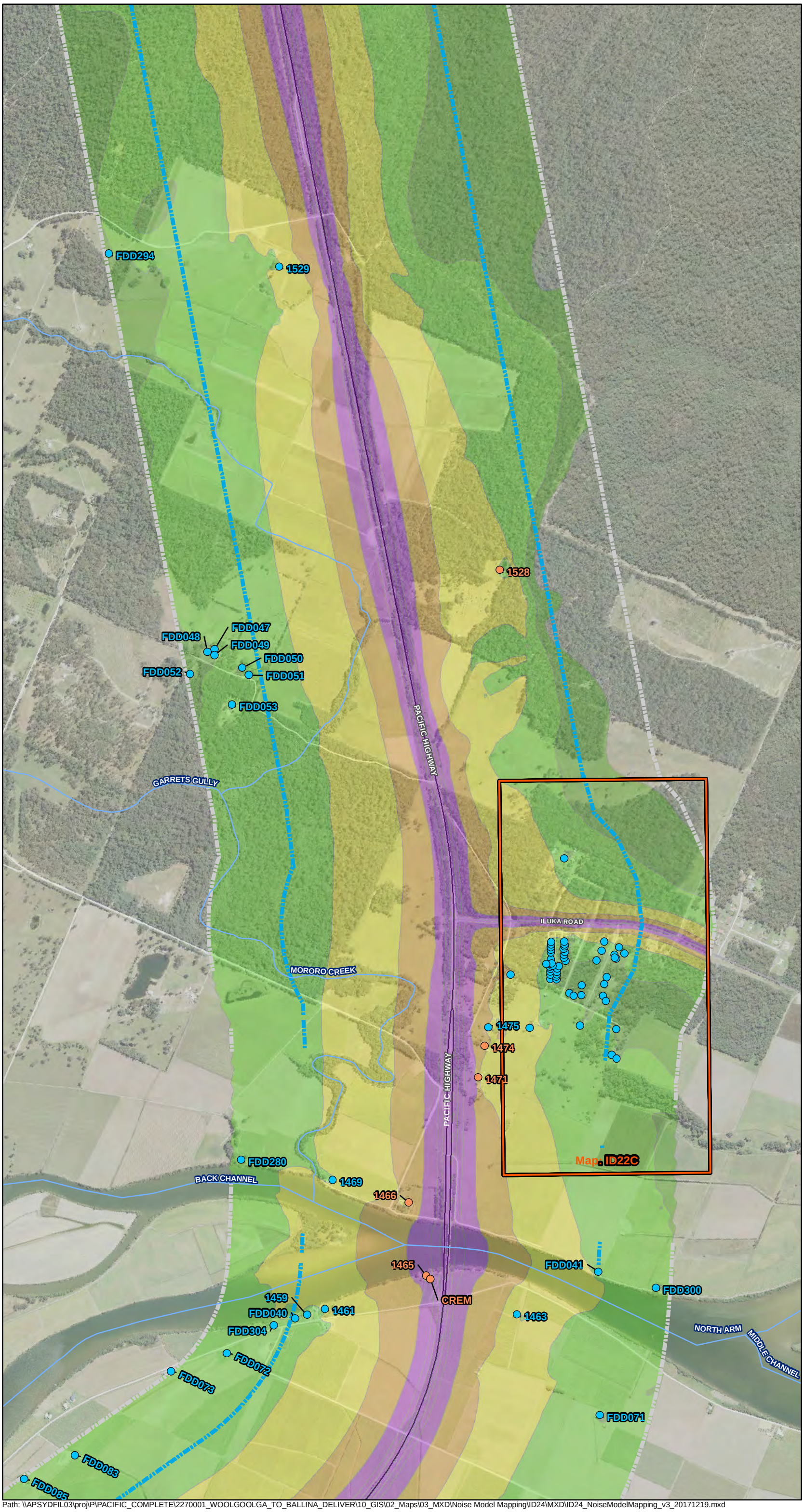

Transport Roads & Maritime Services

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019
No Build Day

Map: ID24

Map 3 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000 at A3

0 75 150 300 450 600 750 Metres

Print Date:	1/03/2018
Author:	ORFANOSM

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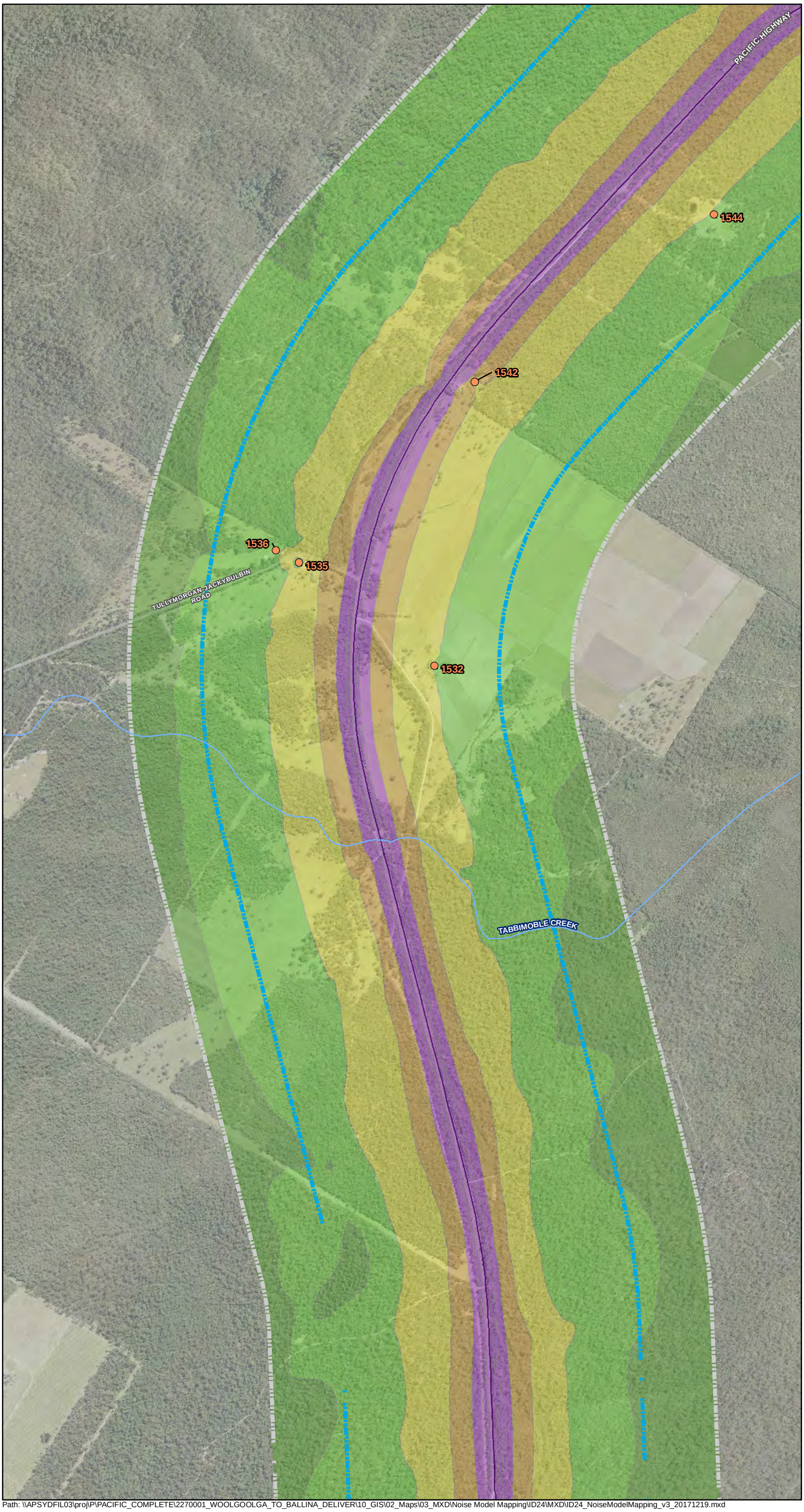

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019
No Build Day

Map: ID24

Map 4 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000
at A3

0 75 150 300 450 600 750
Metres

Print Date:	1/03/2018
Author:	ORFANOSM

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Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019
No Build Day

Map: ID24

Map 5 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000
at A3

0 75 150 300 450 600 750
Metres

Print Date:	1/03/2018
Author:	ORFANOSM

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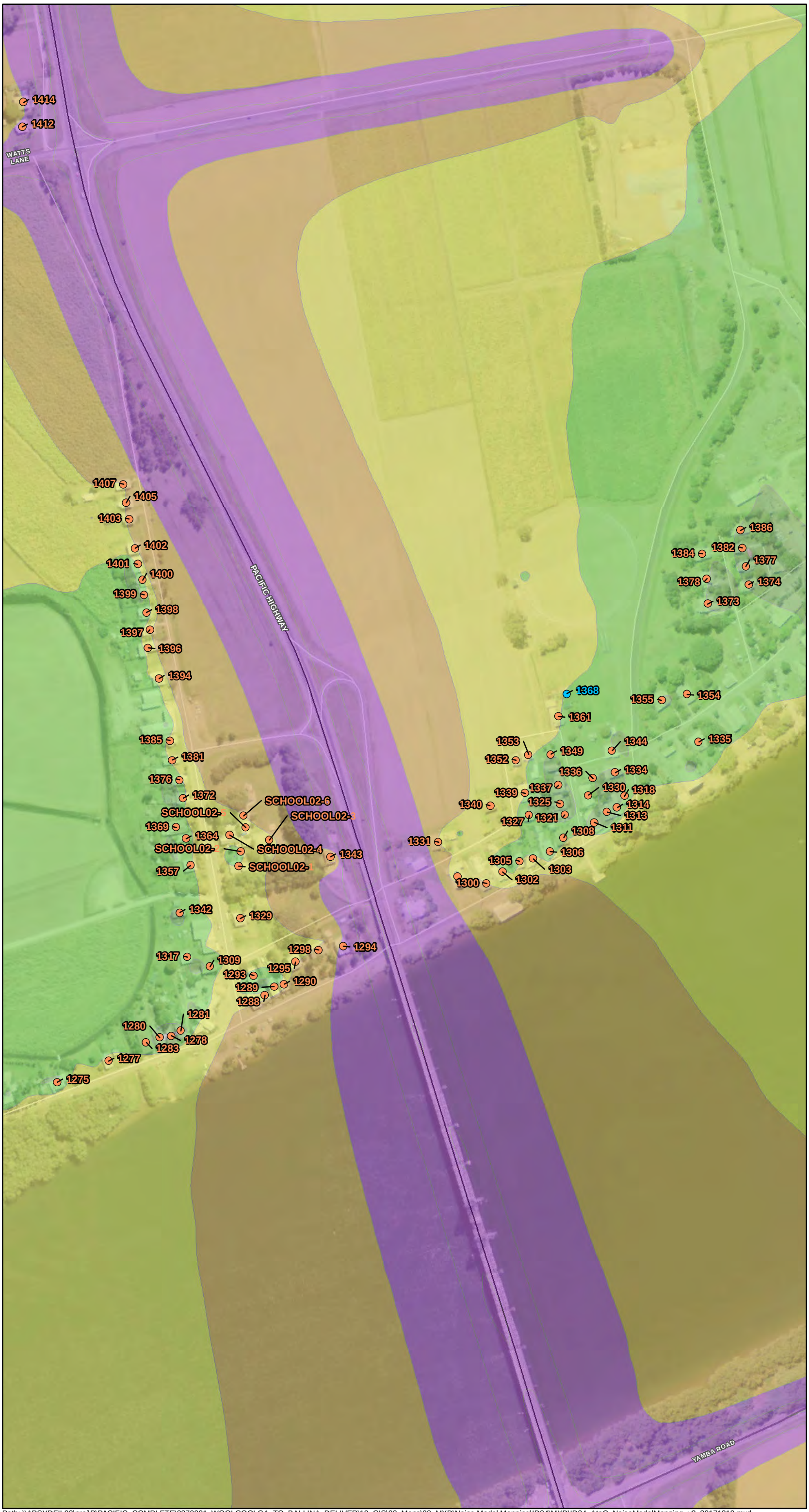

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019
No Build Day

Map: ID24A

Map 1 of 3

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:4,000
at A3

0 20 40 80 120 160 200
Metres

Print Date:	1/03/2018
Author:	ORFANOSM

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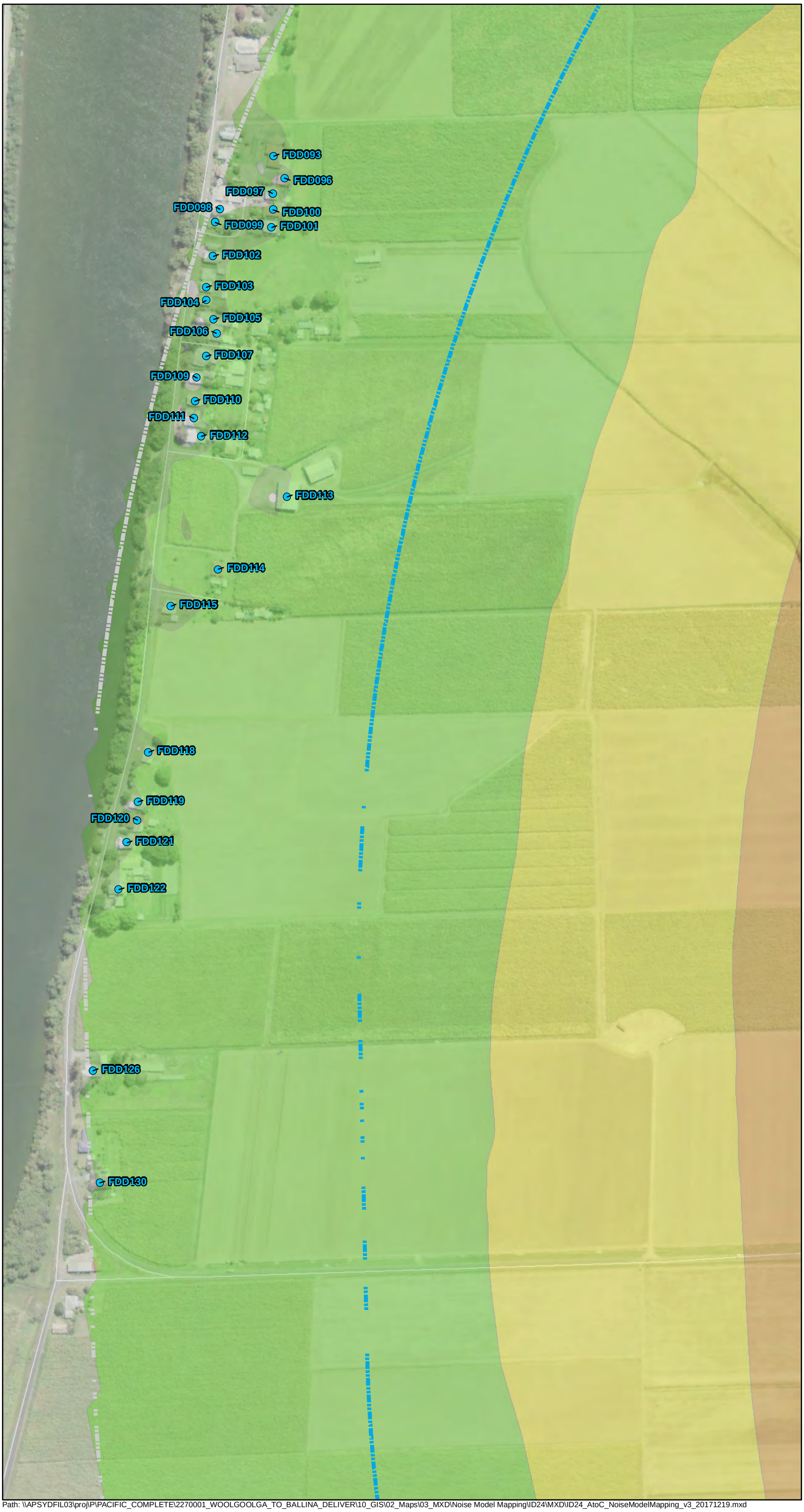

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019
No Build Day

Map: ID24B

Map 2 of 3

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:4,000
at A3

0 20 40 80 120 160 200
Metres

Print Date:	1/03/2018
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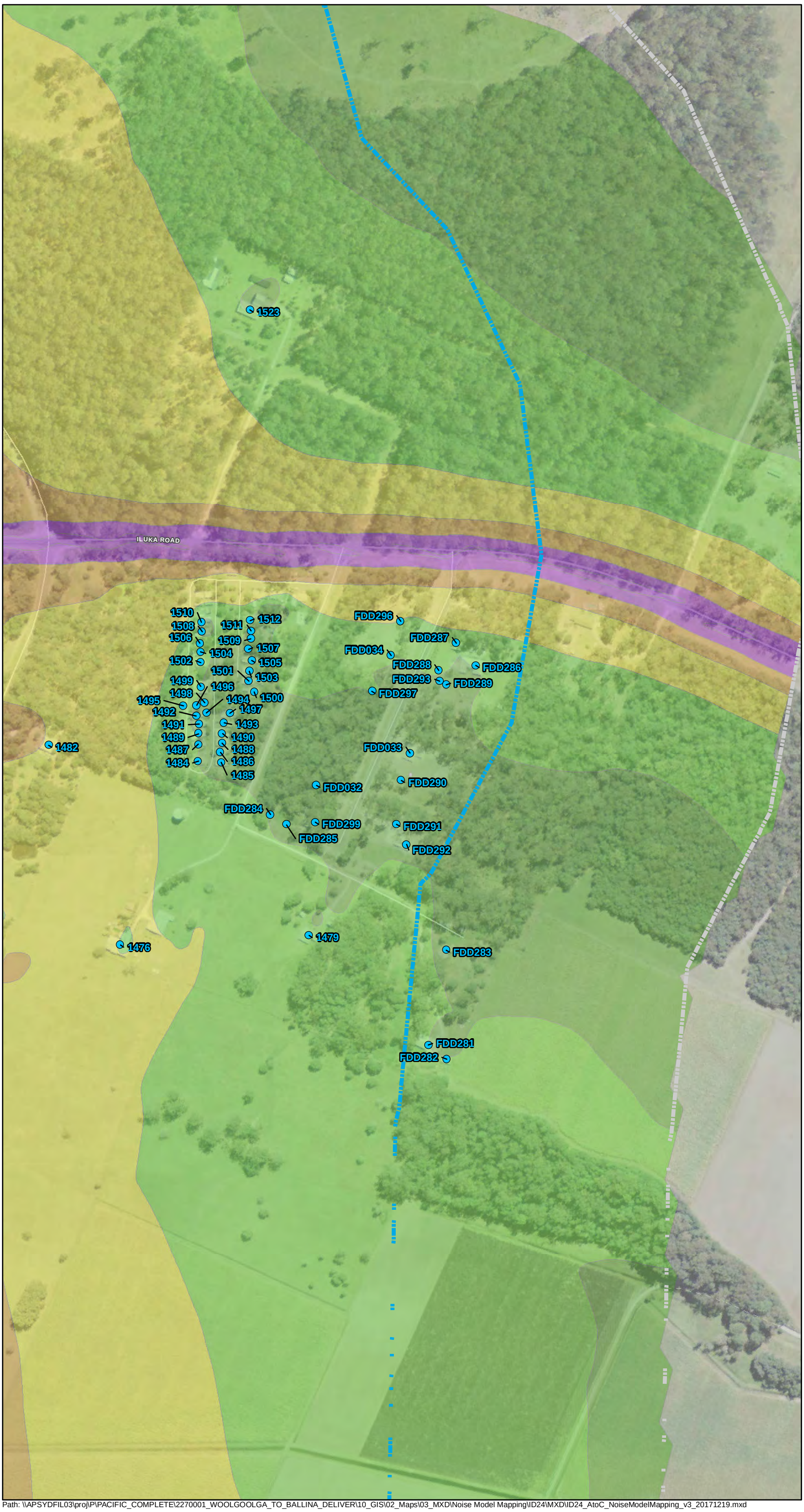

Transport Roads & Maritime Services

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019
No Build Day

Map: ID24C

Map 3 of 3

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:4,000
at A3

0 20 40 80 120 160 200
Metres

Print Date:	1/03/2018
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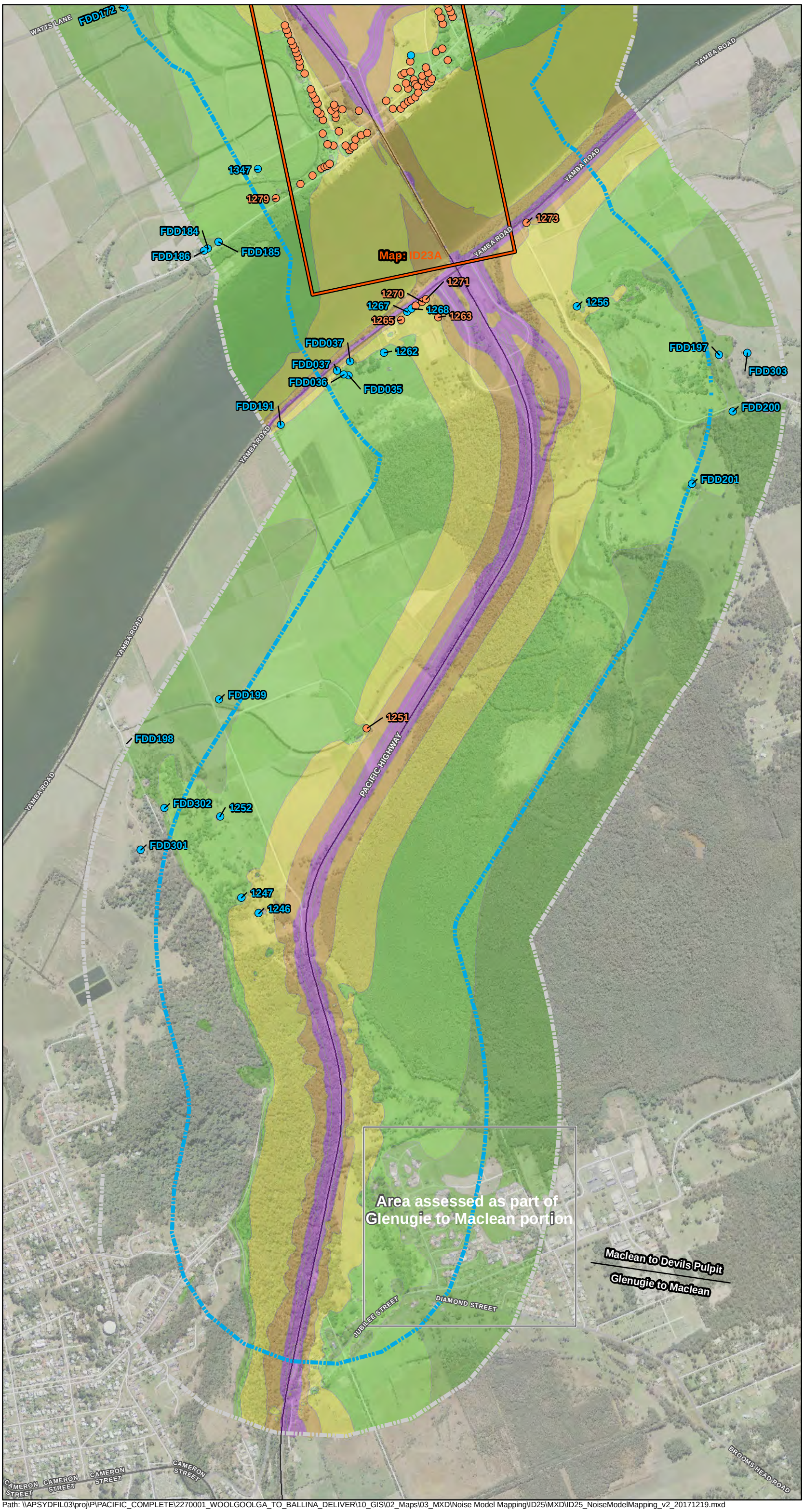

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019
No Build Night

Map: ID25

Map 1 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000
at A3

0 75 150 300 450 600 750
Metres

Print Date:	1/03/2018
Author:	ORFANOSM

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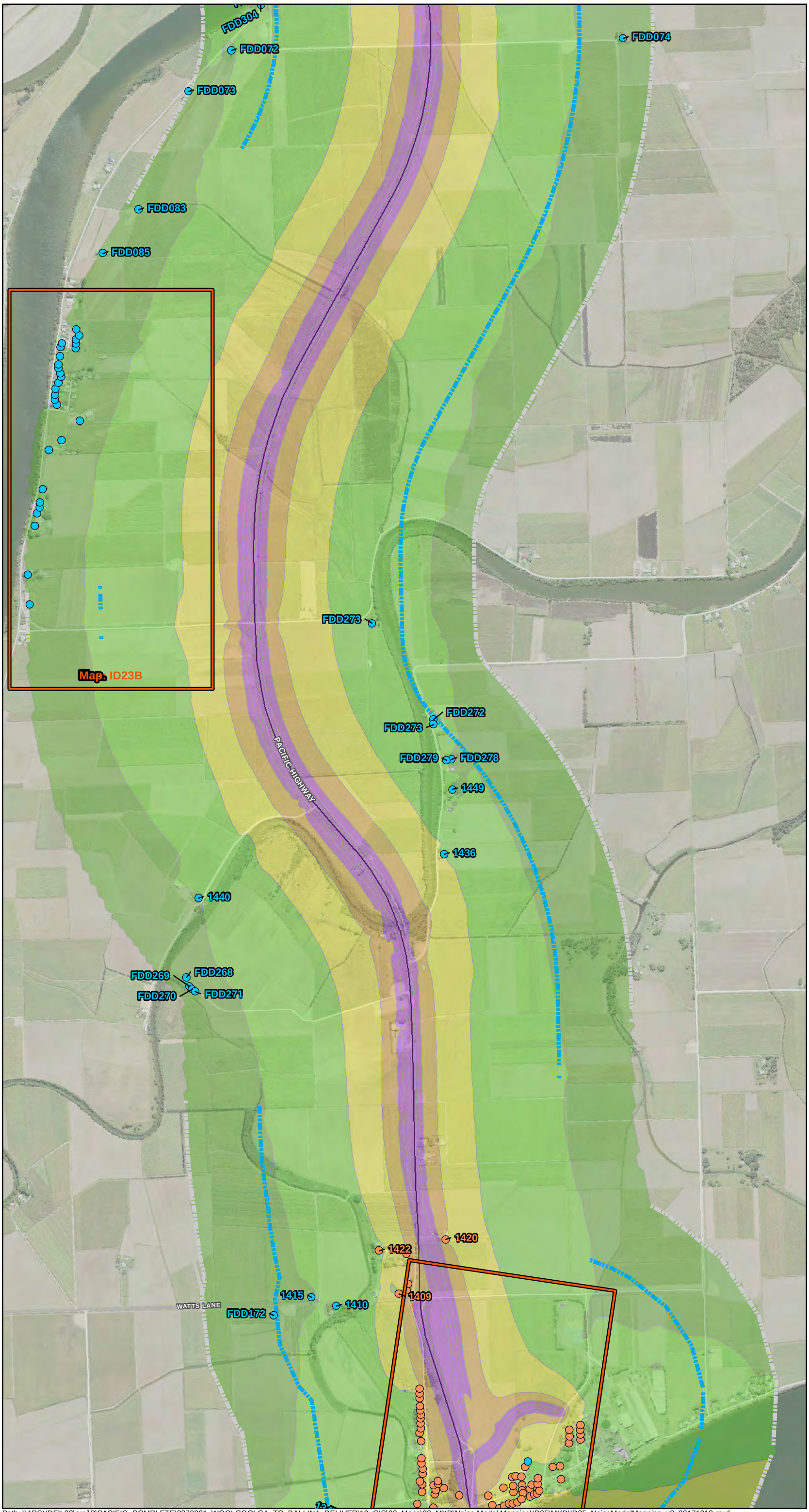

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019
No Build Night

Map: ID25

Map 2 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000
at A3

0 75 150 300 450 600 750
Metres

Print Date:	1/03/2018
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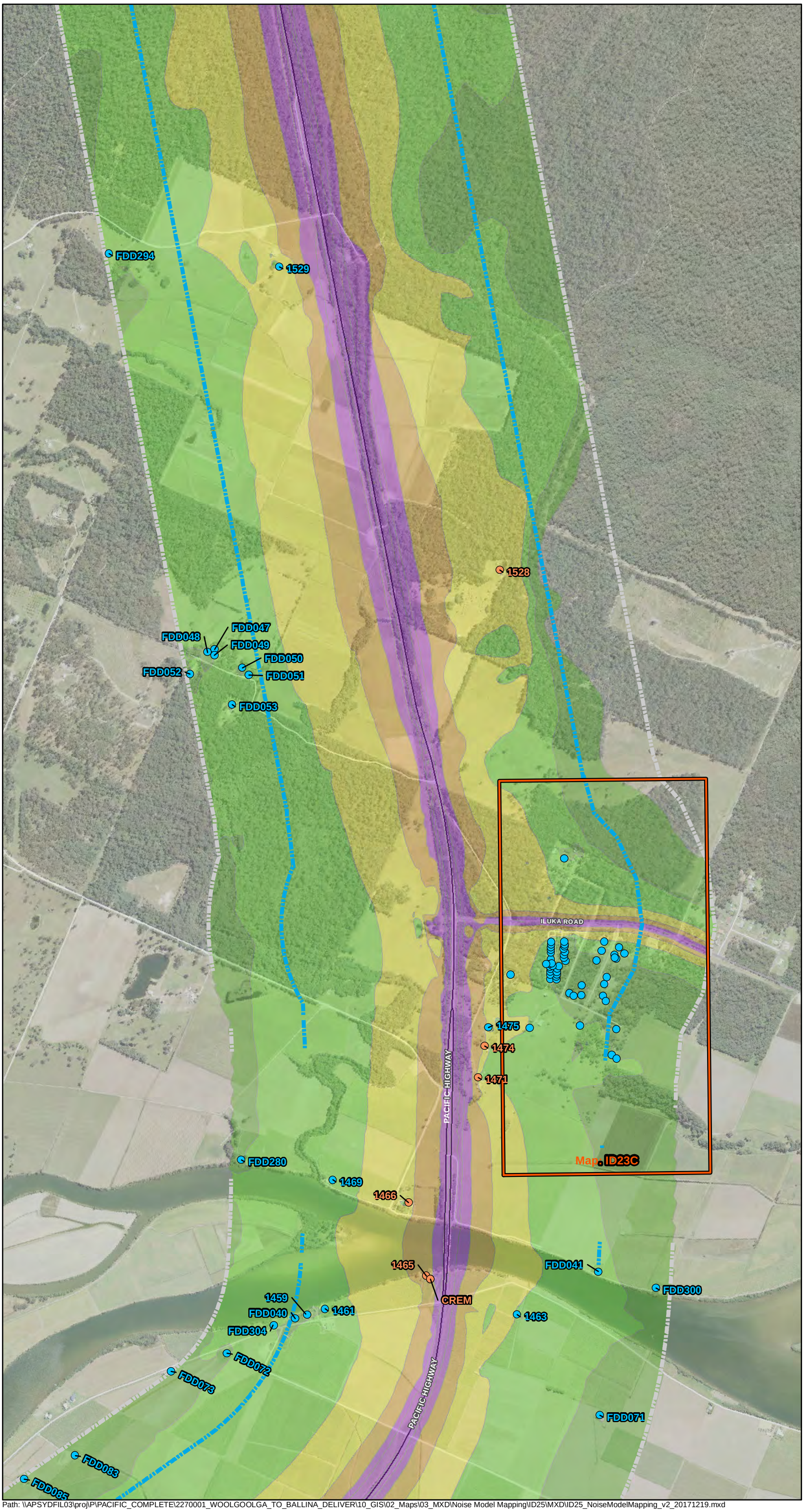

Transport Roads & Maritime Services

NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019
No Build Night

Map: ID25

Map 3 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

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at A3

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Metres

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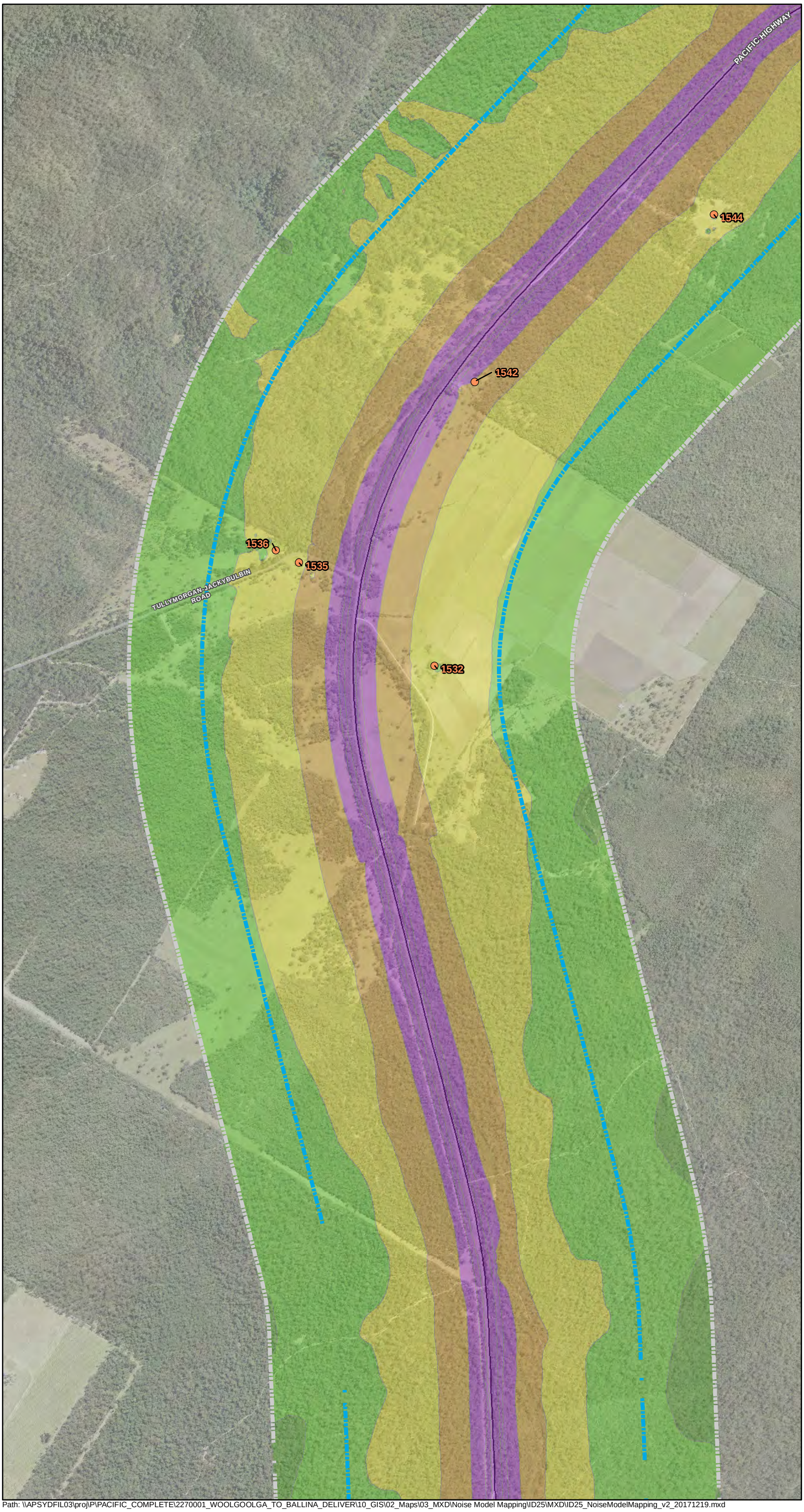

Transport Roads & Maritime Services

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019
No Build Night

Map: ID25

Map 4 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000 at A3

0 75 150 300 450 600 750
Metres

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Transport Roads & Maritime Services

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019
No Build Night

Map: ID25

Map 5 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000 at A3

0 75 150 300 450 600 750
Metres

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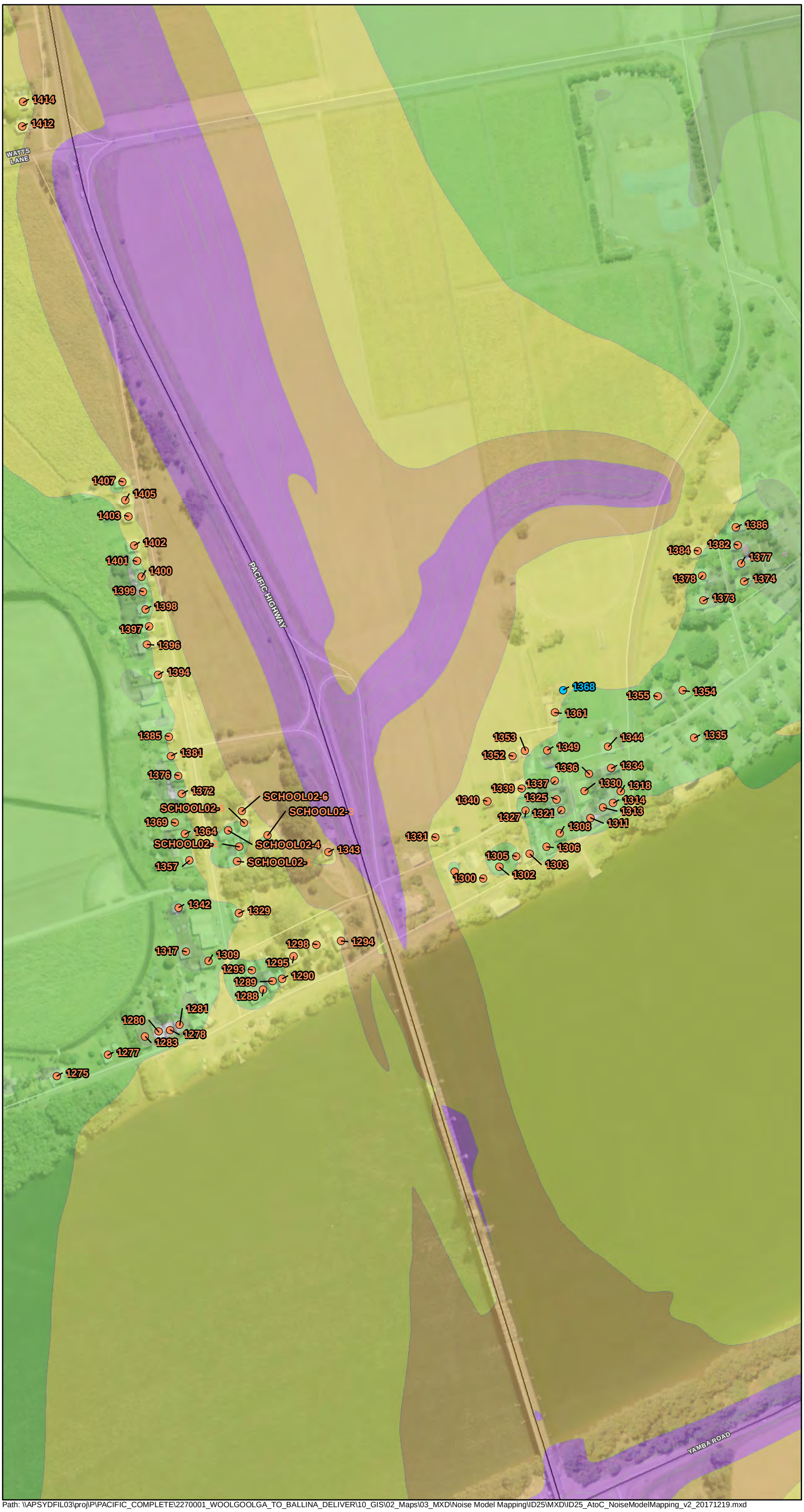

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019
No Build Night

Map: ID25A

Map 1 of 3

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:4,000
at A3

0 20 40 80 120 160 200
Metres

Print Date:	1/03/2018
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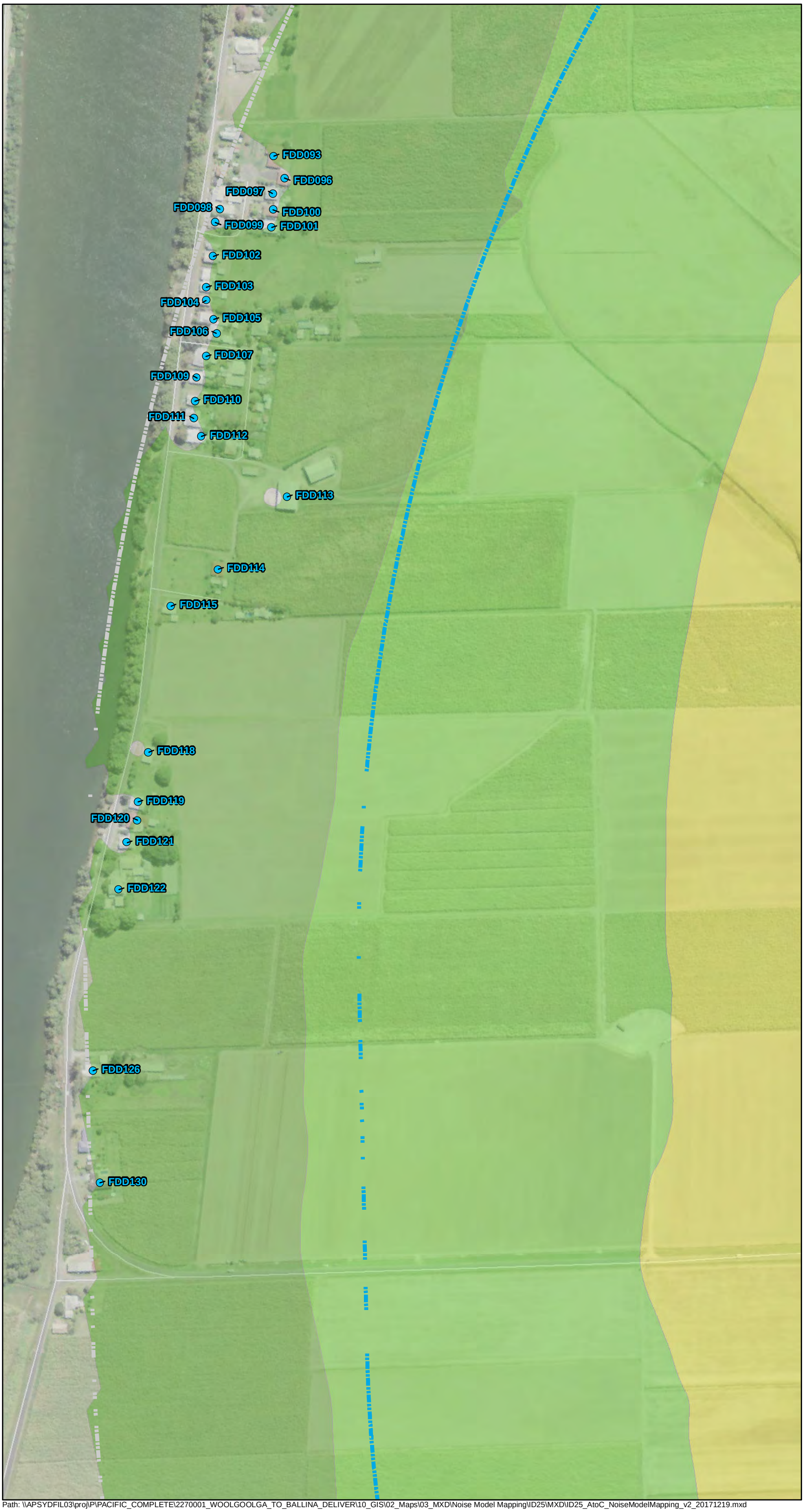

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019
No Build Night

Map: ID25B

Map 2 of 3

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:4,000
at A3

0 20 40 80 120 160 200
Metres

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Transport Roads & Maritime Services

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Opening Year 2019
No Build Night

Map: ID25C

Map 3 of 3

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:4,000 at A3

0 20 40 80 120 160 200
Metres

Print Date:	1/03/2018
Author:	ORFANOSM

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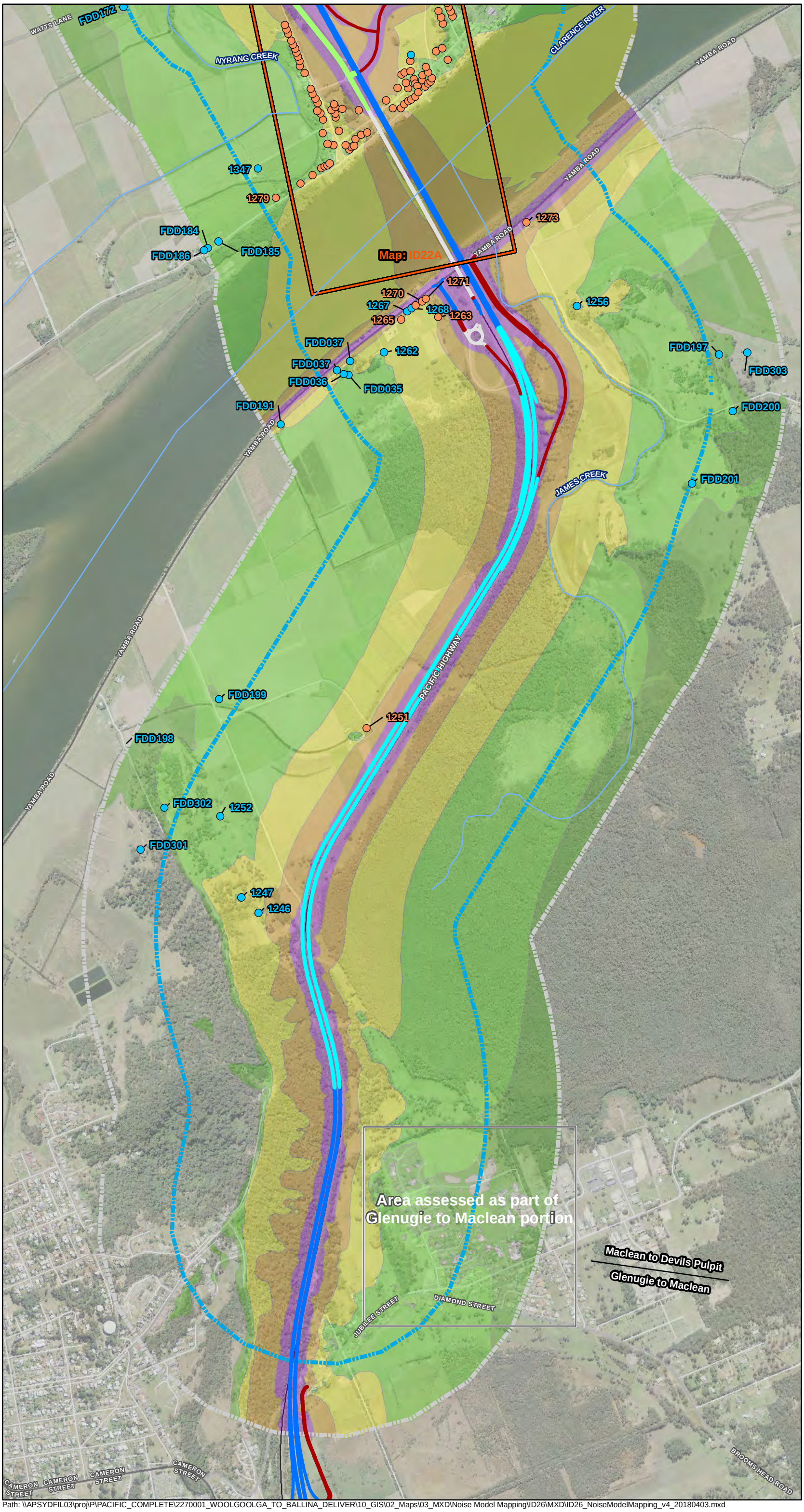

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029 Build Day

Map: ID26

Map 1 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000
at A3

0 75 150 300 450 600 750
Metres

Print Date:	4/04/2018
Author:	ORFANOSM

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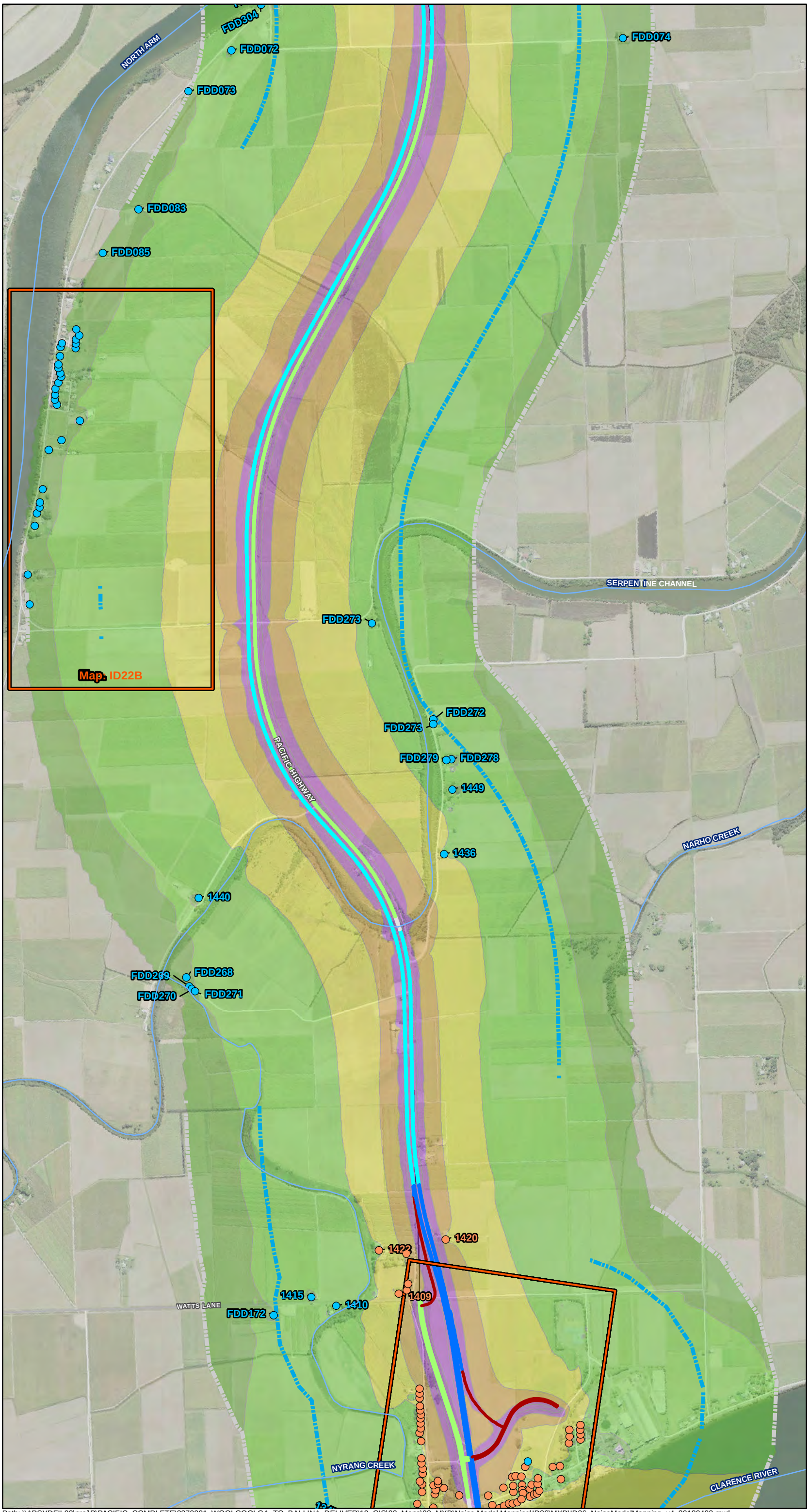

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029 Build Day

Map: ID26

Map 2 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000 at A3

0 75 150 300 450 600 750
Metres

Print Date:	4/04/2018
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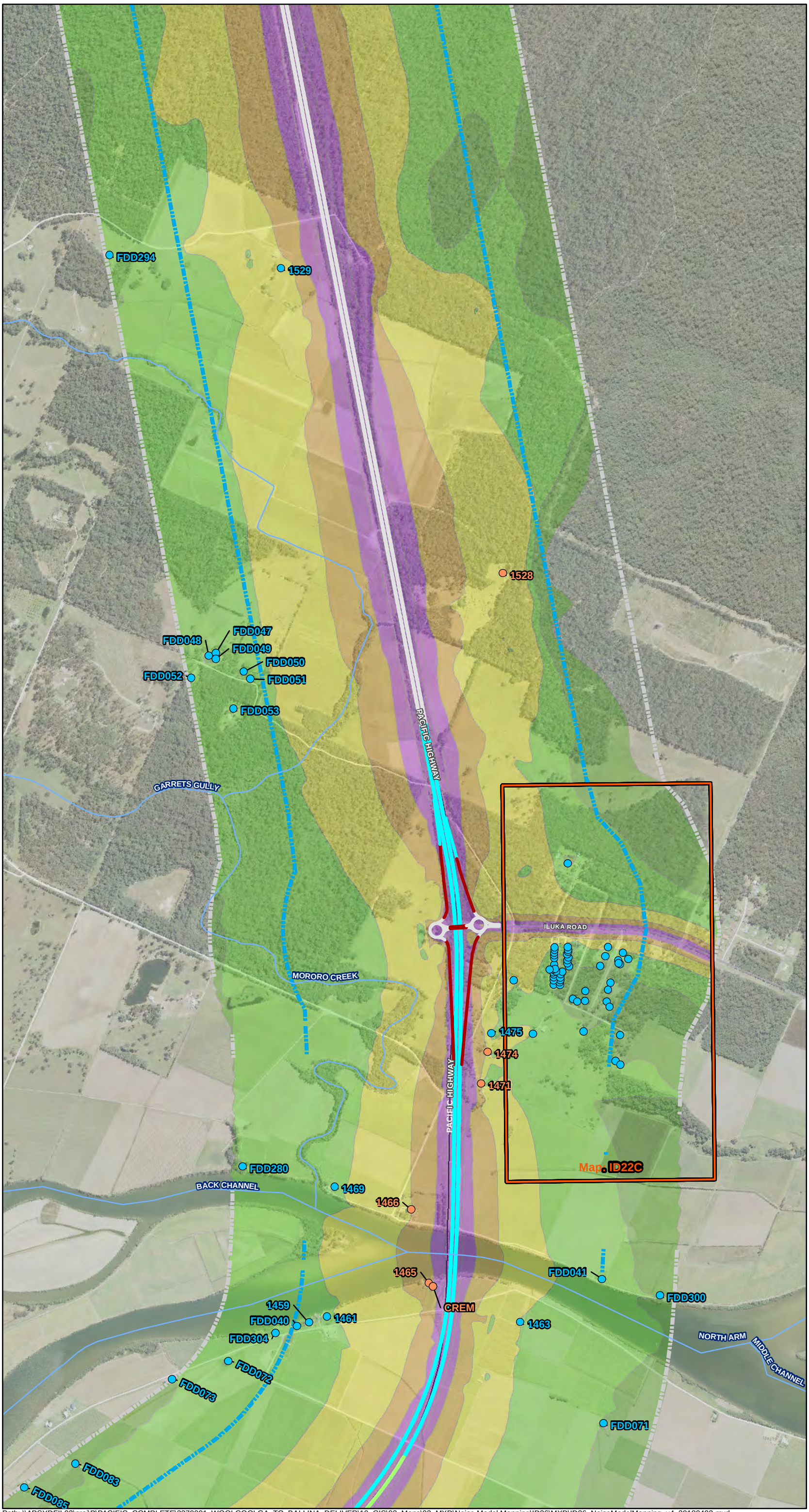

Transport Roads & Maritime Services

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029 Build Day

Map: ID26

Map 3 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000 at A3

0 75 150 300 450 600 750 Metres

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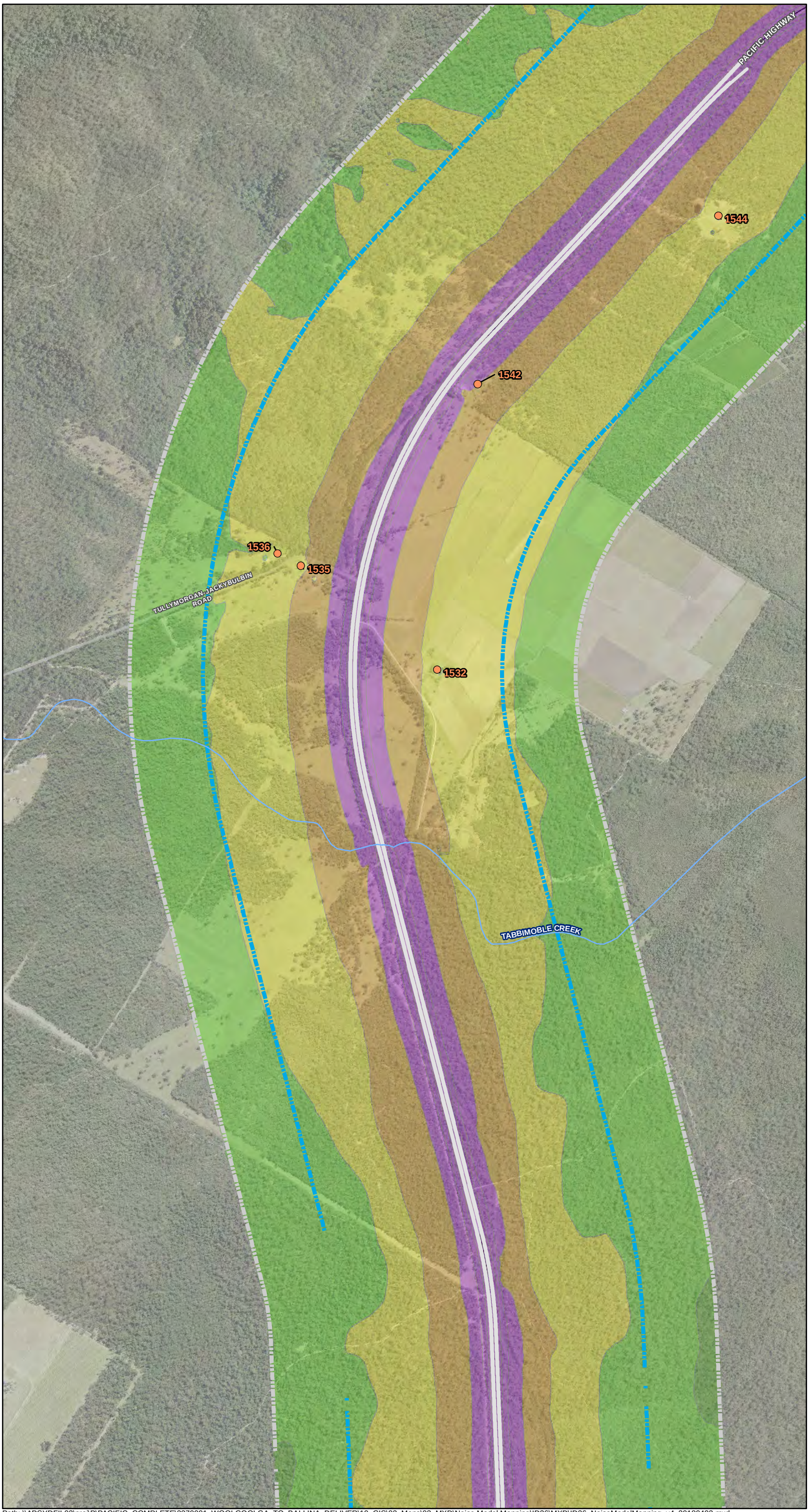

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029 Build Day

Map: ID26

Map 4 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

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- 50-54
- 55-59
- 60-64
- 65+

1:15,000
at A3

0 75 150 300 450 600 750
Metres

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Author:	ORFANOSM

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Transport Roads & Maritime Services

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029 Build Day

Map: ID26

Map 5 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000 at A3

0 75 150 300 450 600 750
Metres

Print Date:	4/04/2018
Author:	ORFANOSM

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Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029 Build Day

Map: ID26A

Map 1 of 3

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:4,000
at A3

0 20 40 80 120 160 200
Metres

Print Date:	4/04/2018
Author:	ORFANOSM

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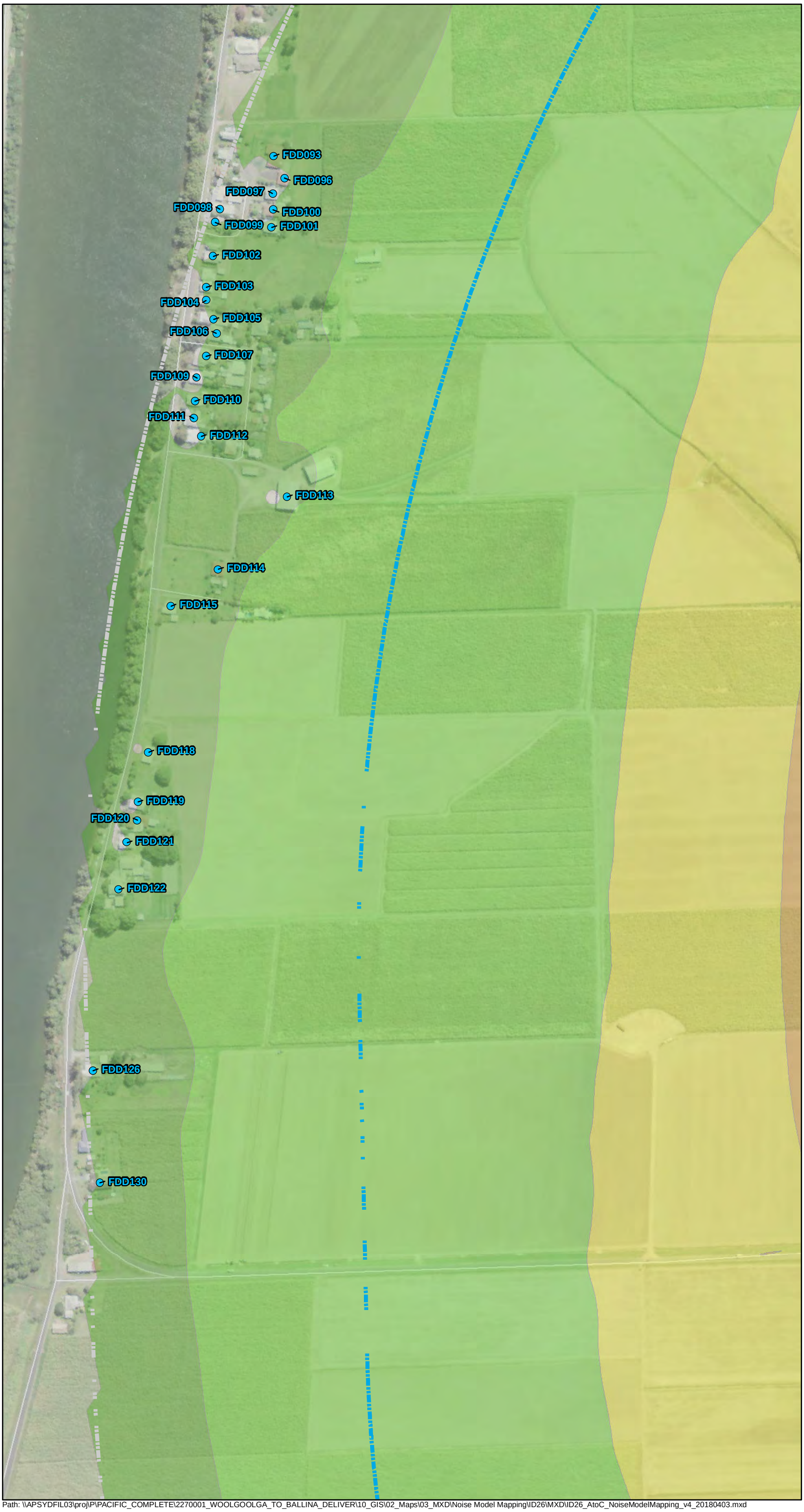

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029 Build Day

Map: ID26B

Map 2 of 3

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:4,000
at A3

0 20 40 80 120 160 200
Metres

Print Date:	4/04/2018
Author:	ORFANOSM

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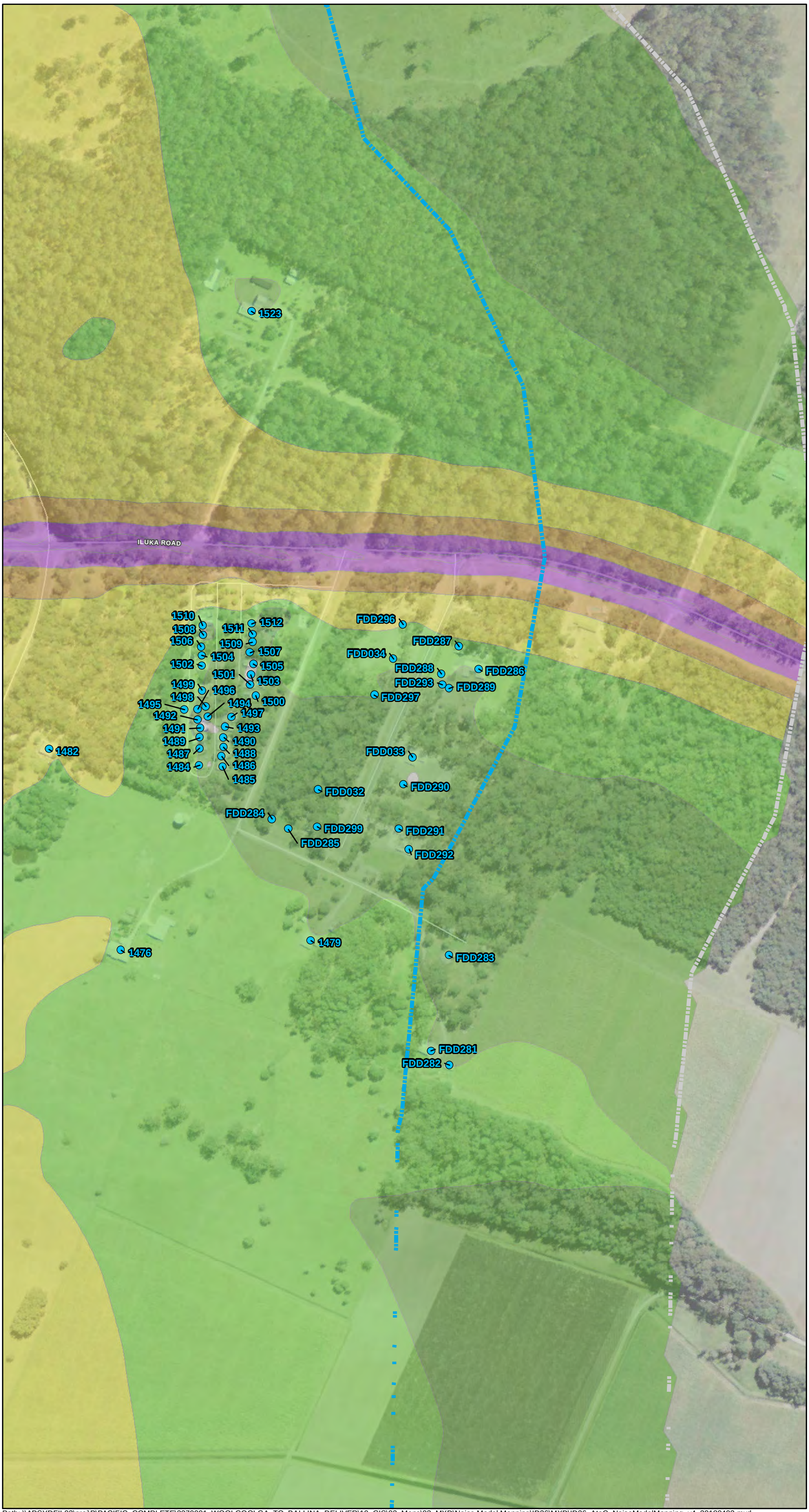

Transport Roads & Maritime Services

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029 Build Day

Map: ID26C

Map 3 of 3

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:4,000 at A3

0 20 40 80 120 160 200
Metres

Print Date:	4/04/2018
Author:	ORFANOSM

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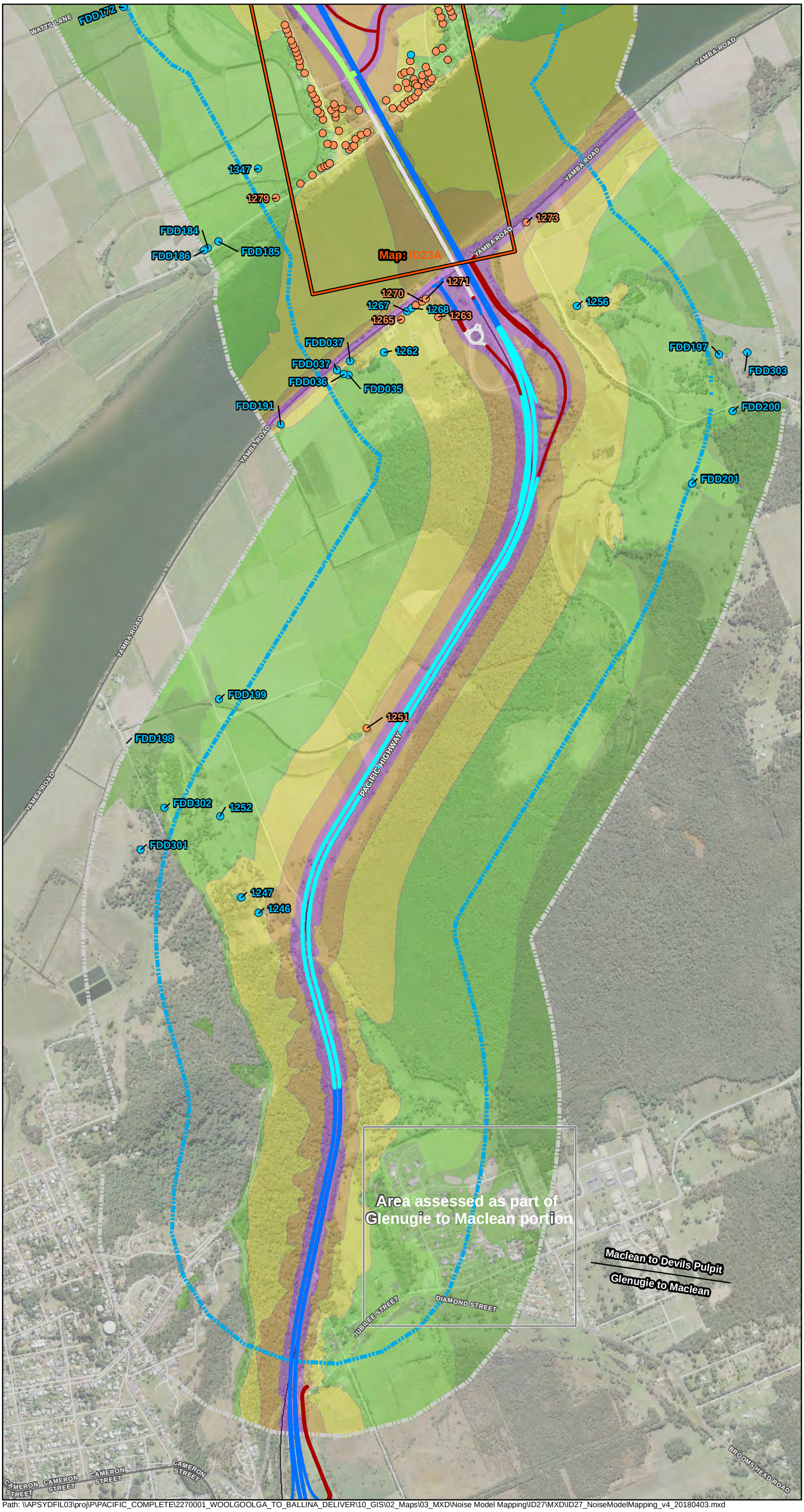

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029 Build Night

Map: ID27

Map 1 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000
at A3

0 75 150 300 450 600 750
Metres

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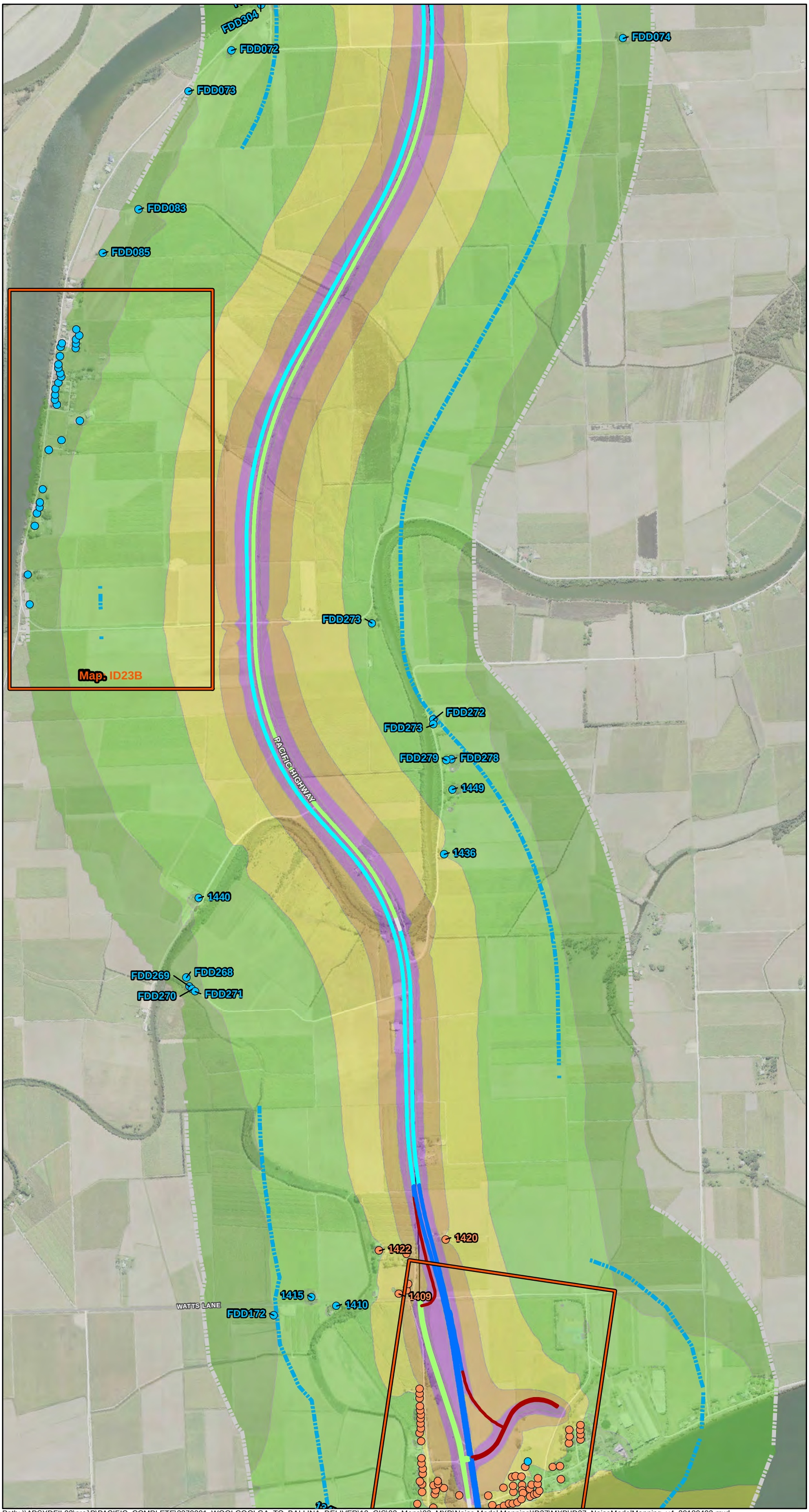

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029 Build Night

Map: ID27

Map 2 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
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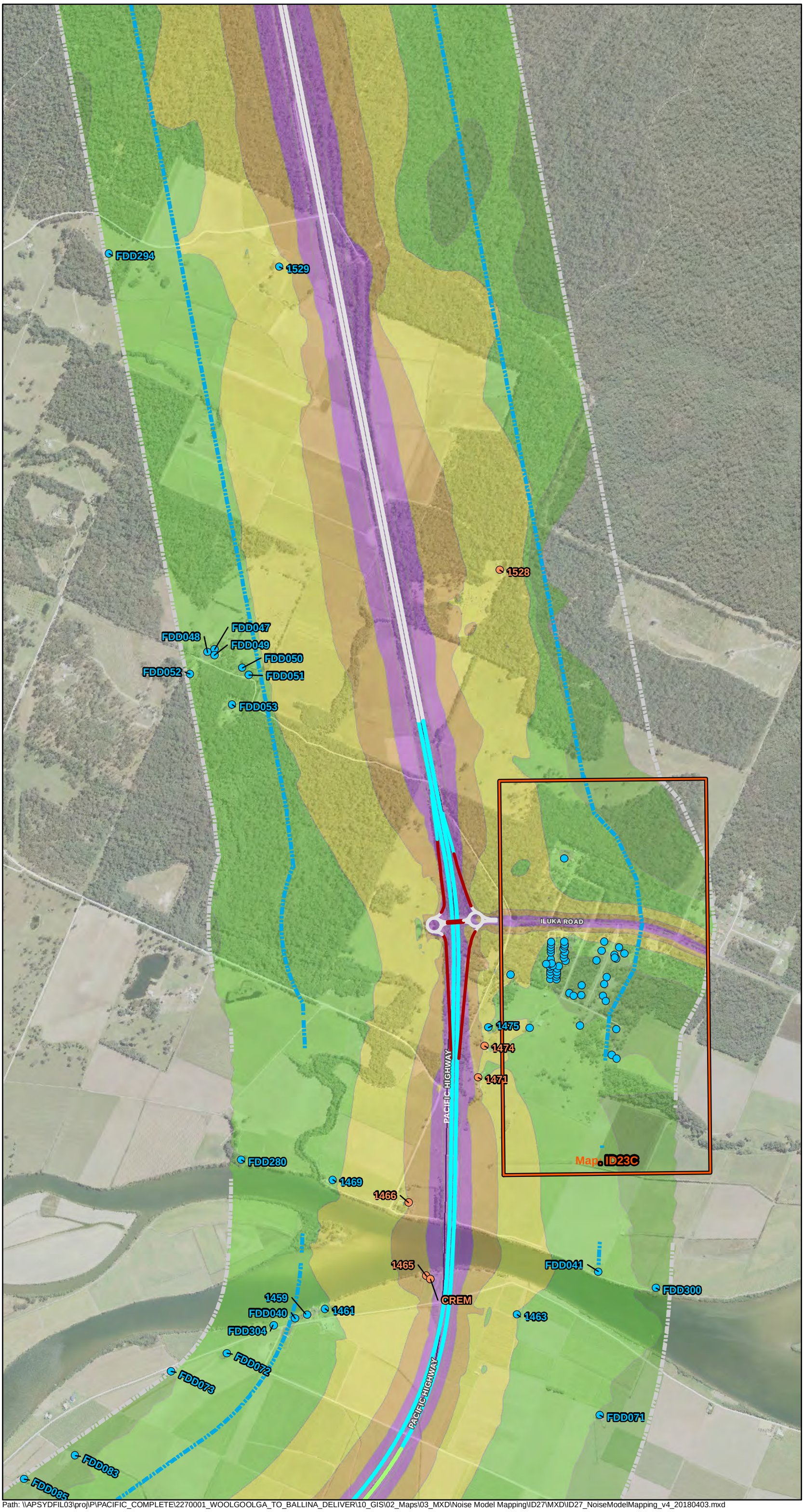

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029 Build Night

Map: ID27

Map 3 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
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at A3

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Metres

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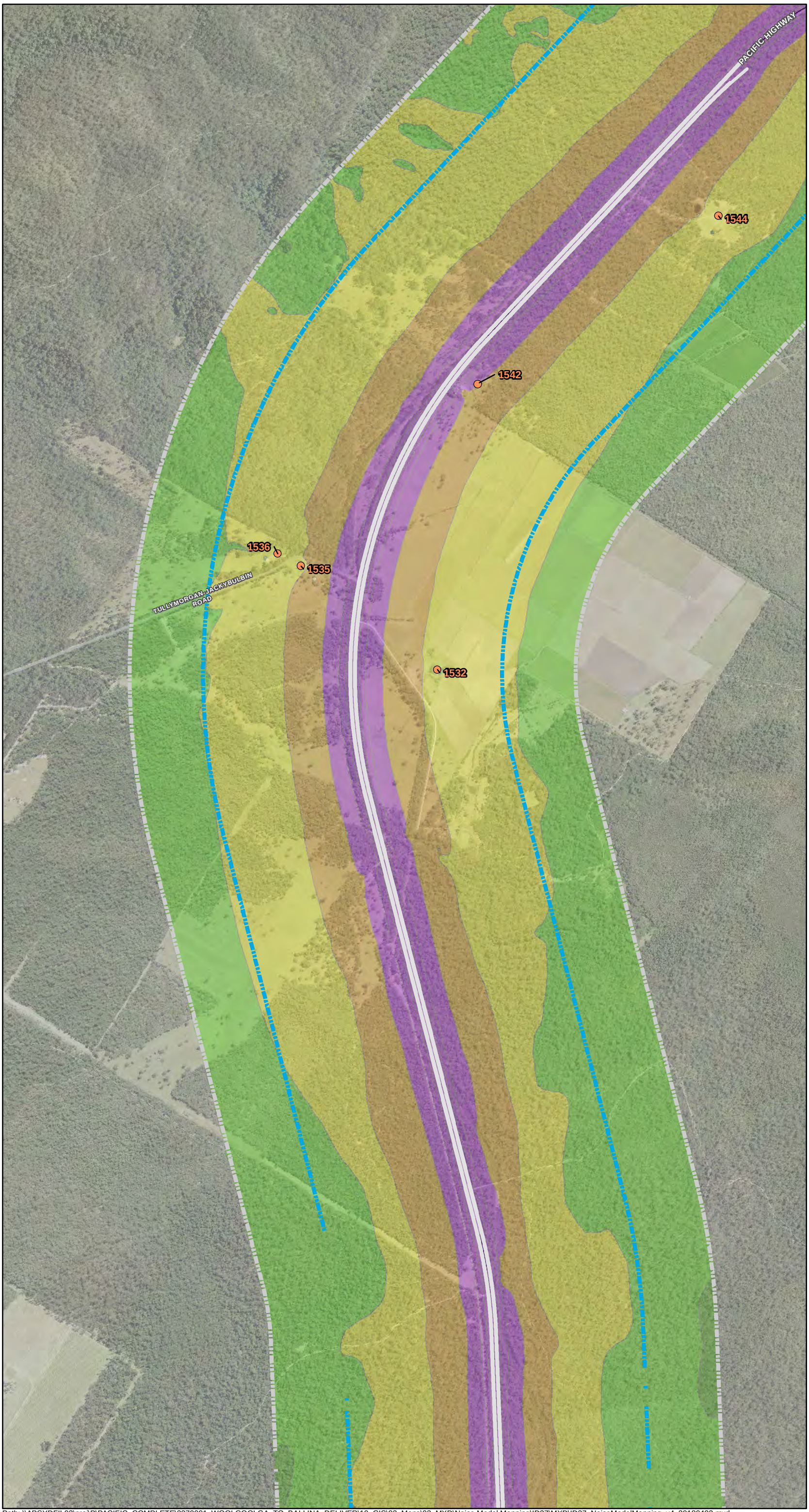

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029 Build Night

Map: ID27

Map 4 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
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Night Noise Level Leq,9hr dBA

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- 50-54
- 55-59
- 60-64
- 65+

1:15,000
at A3

0 75 150 300 450 600 750
Metres

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Transport Roads & Maritime Services

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029
Build Night

Map: ID27

Map 5 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
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1:15,000
at A3

0 75 150 300 450 600 750
Metres

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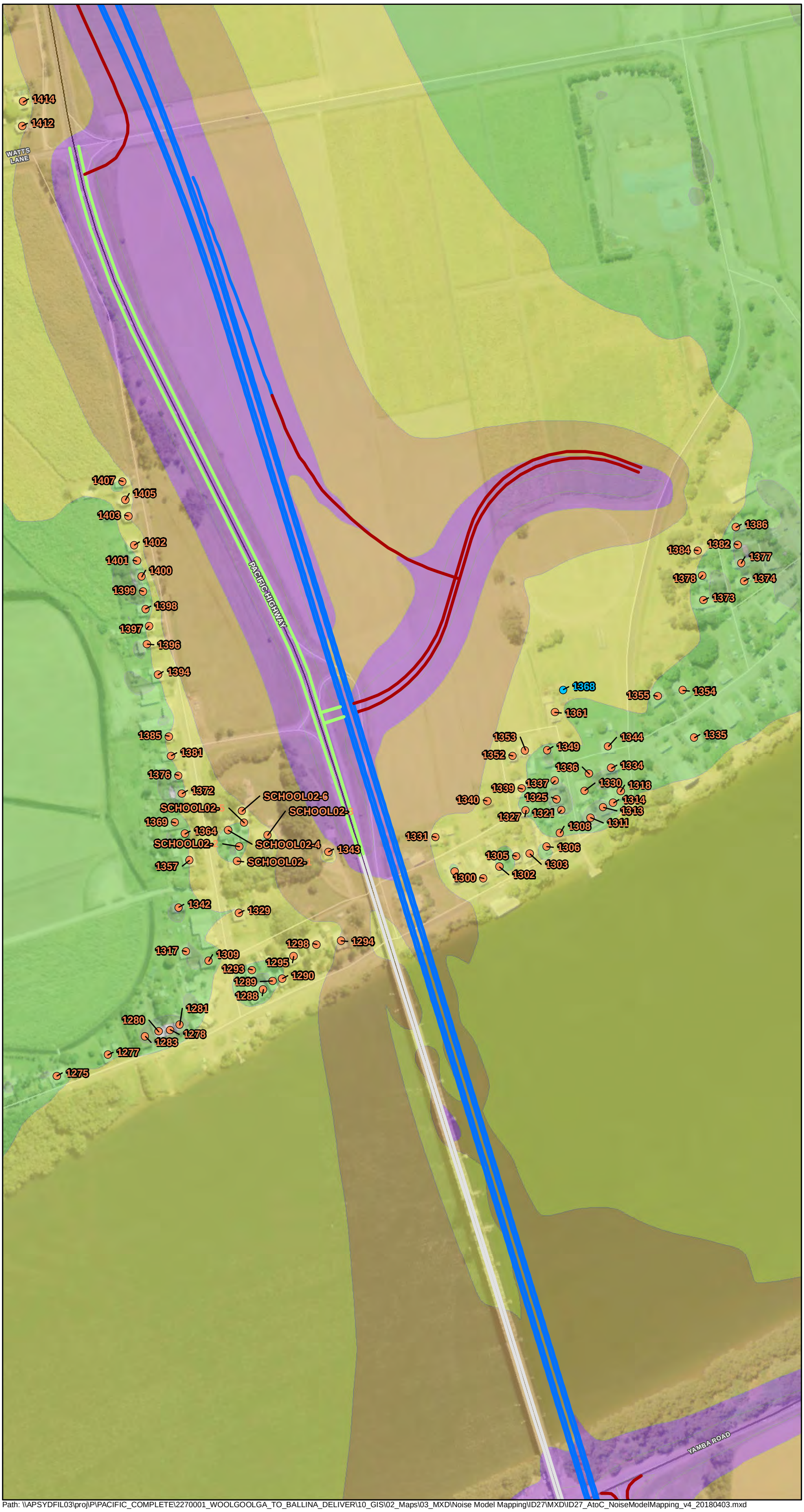

Transport Roads & Maritime Services

NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029 Build Night

Map: ID27A

Map 1 of 3

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:4,000 at A3

0 20 40 80 120 160 200 Metres

Print Date:	4/04/2018
Author:	ORFANOSM

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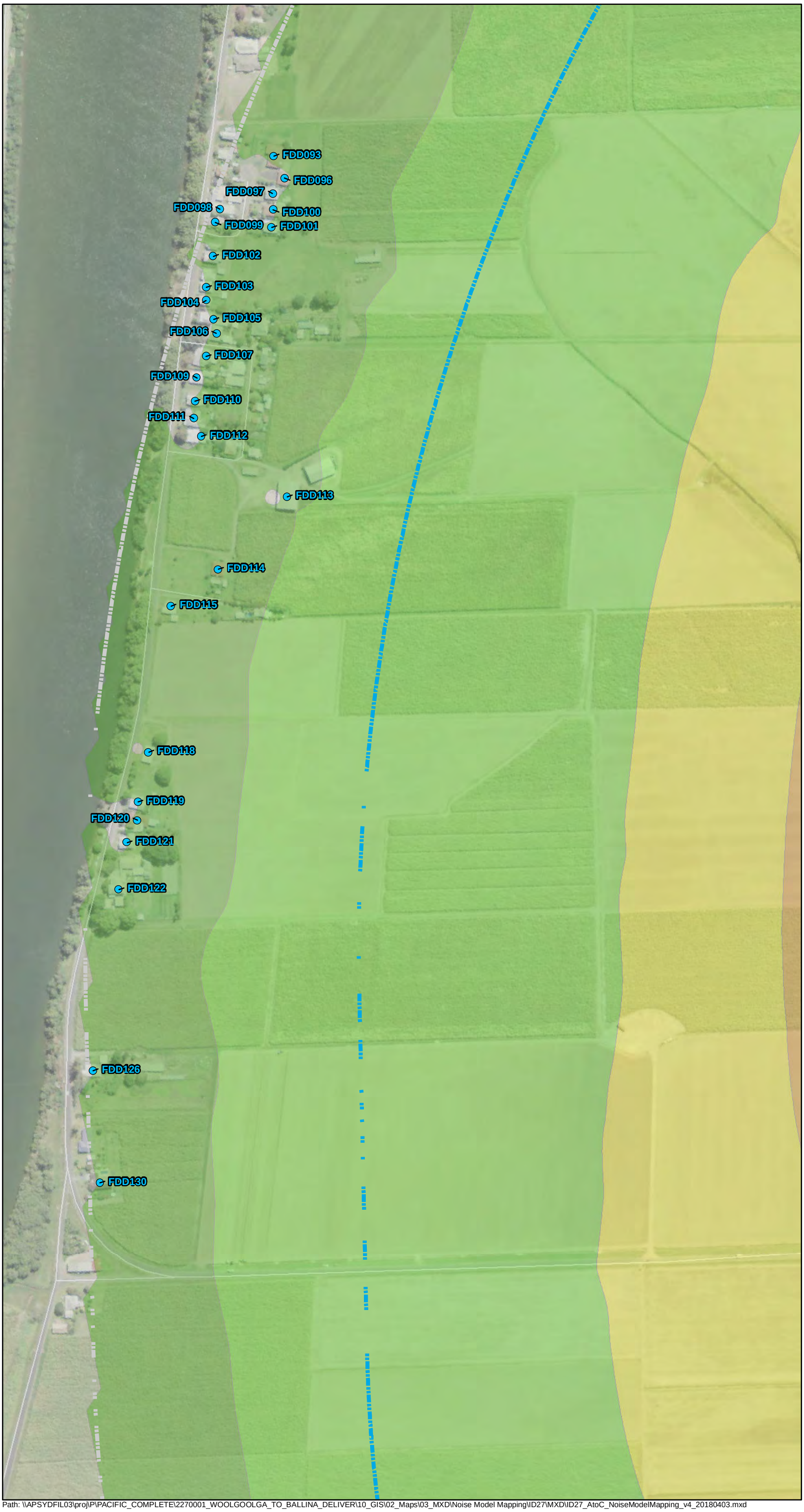

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029 Build Night

Map: ID27B

Map 2 of 3

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:4,000
at A3

0 20 40 80 120 160 200
Metres

Print Date:	4/04/2018
Author:	ORFANOSM

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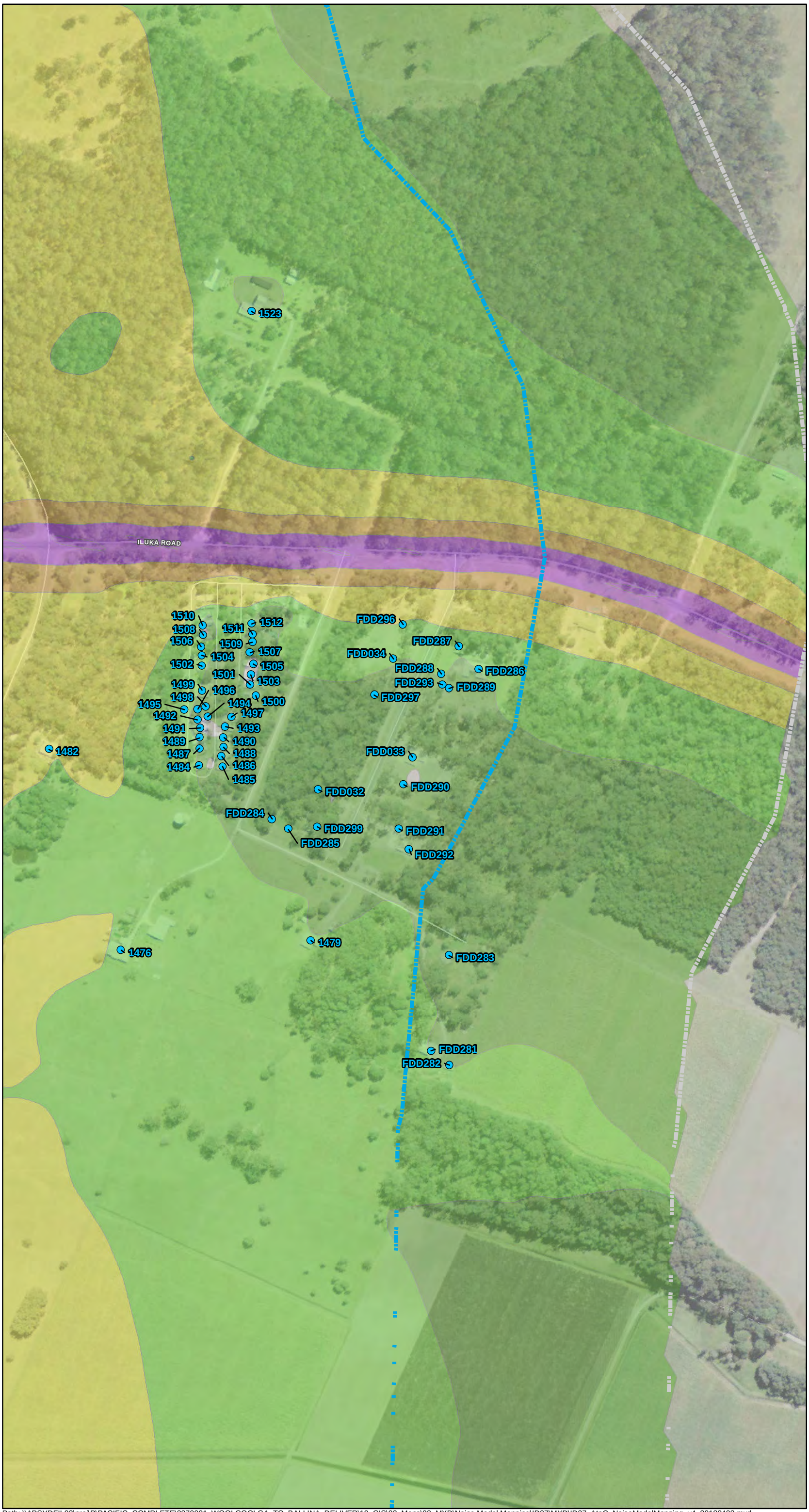

Transport Roads & Maritime Services

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029 Build Night

Map: ID27C

Map 3 of 3

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- Additional Low Noise Pavement
- EIS Low Noise Pavement
- Flexible Pavement
- Chip seal Pavement
- DGA Pavement
- Concrete Pavement
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:4,000 at A3

0 20 40 80 120 160 200 Metres

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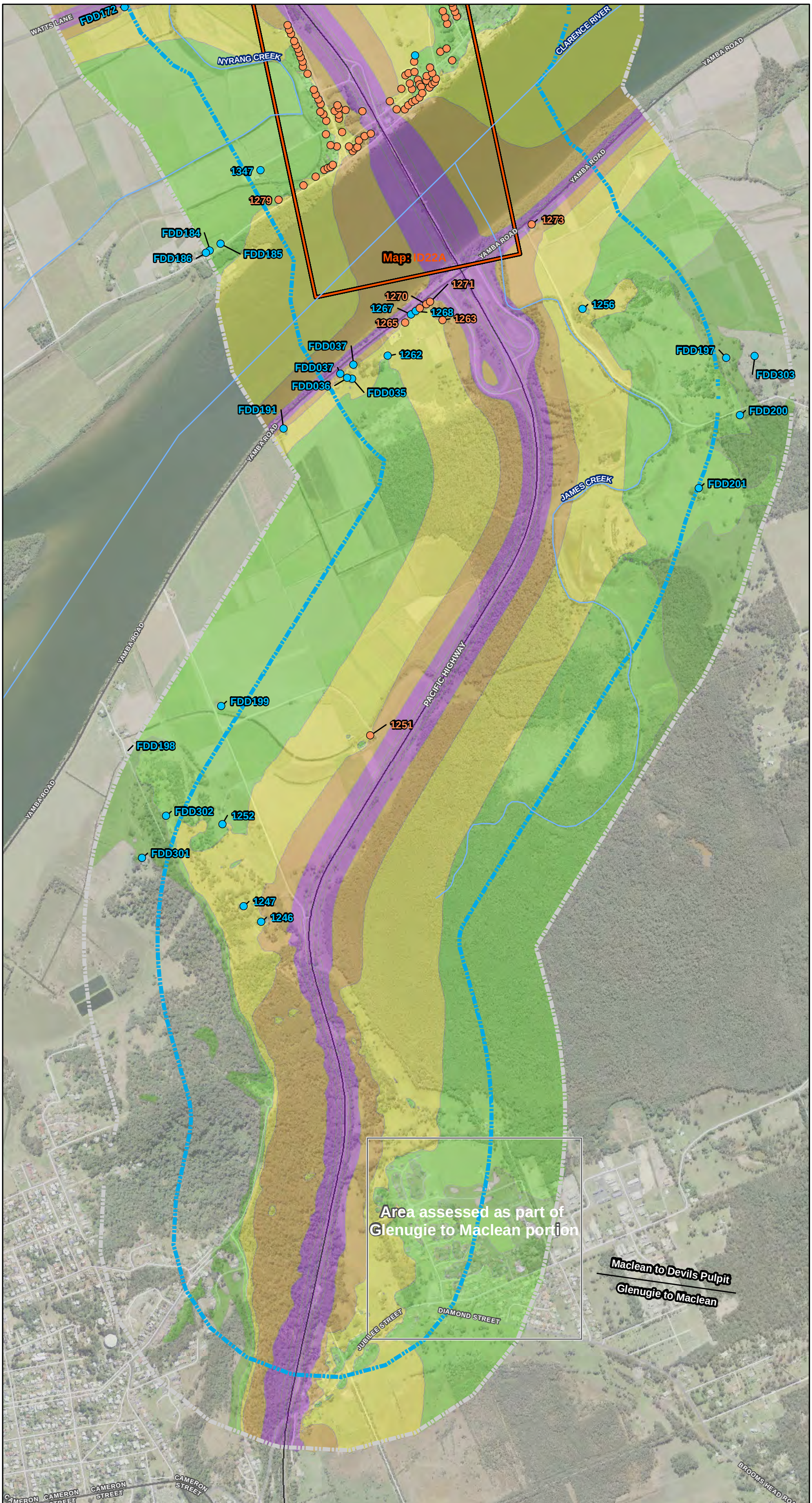

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029
No Build Day

Map: ID28

Map 1 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000
at A3

0 75 150 300 450 600 750
Metres

Print Date:	2/03/2018
Author:	ORFANOSM

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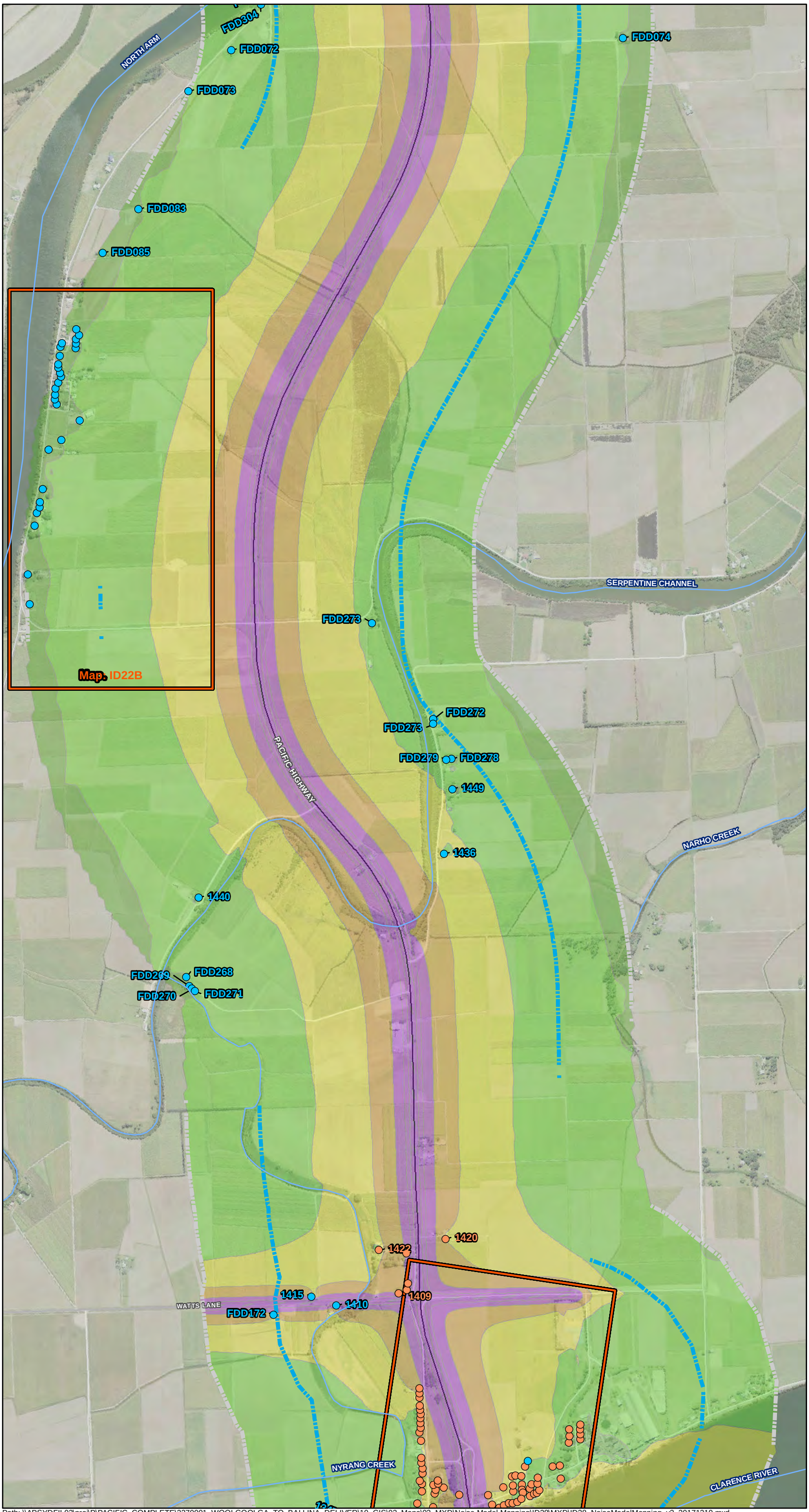

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029
No Build Day

Map: ID28

Map 2 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000
at A3

0 75 150 300 450 600 750
Metres

Print Date:	2/03/2018
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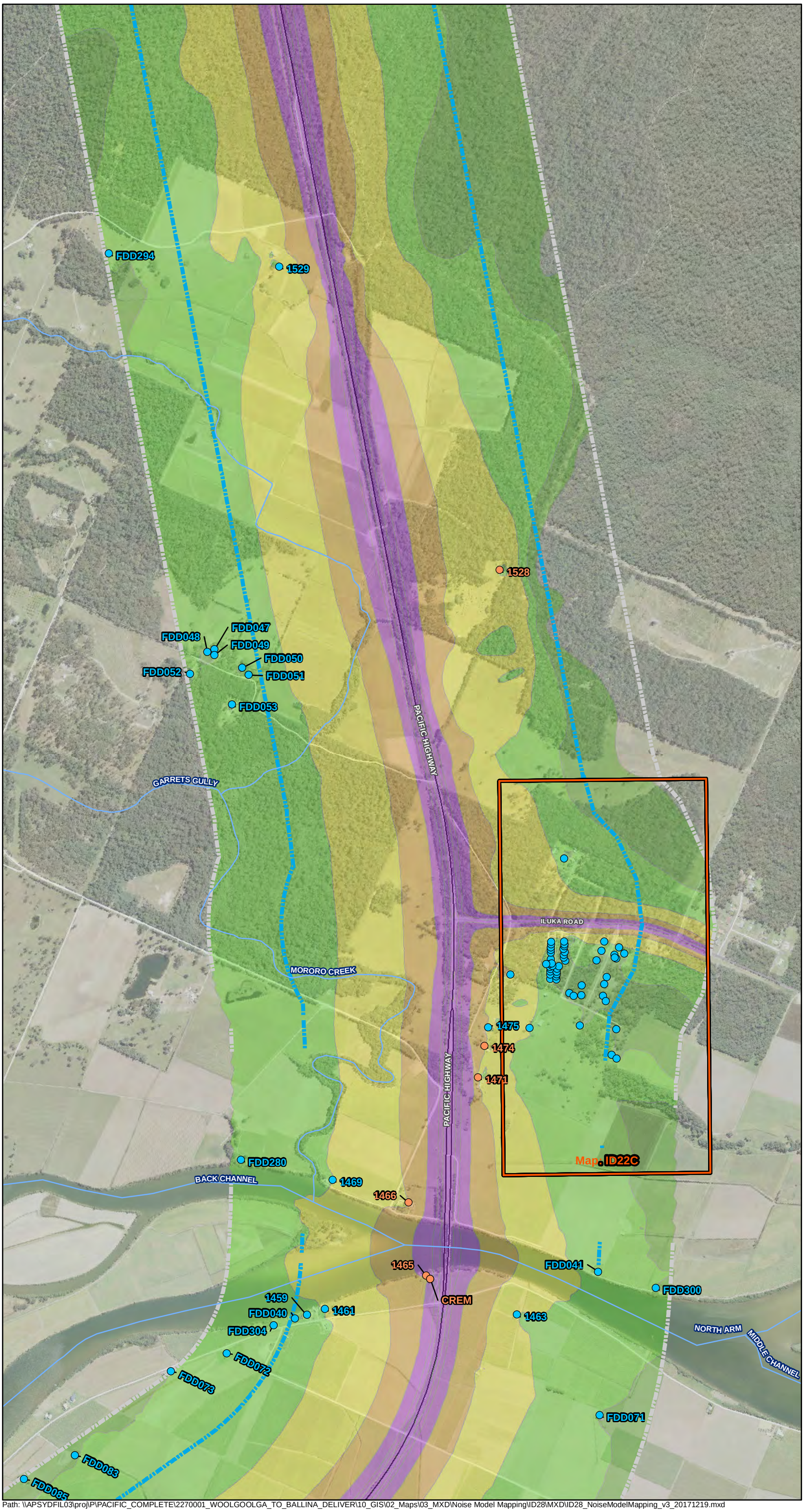

Transport Roads & Maritime Services

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029
No Build Day

Map: ID28

Map 3 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
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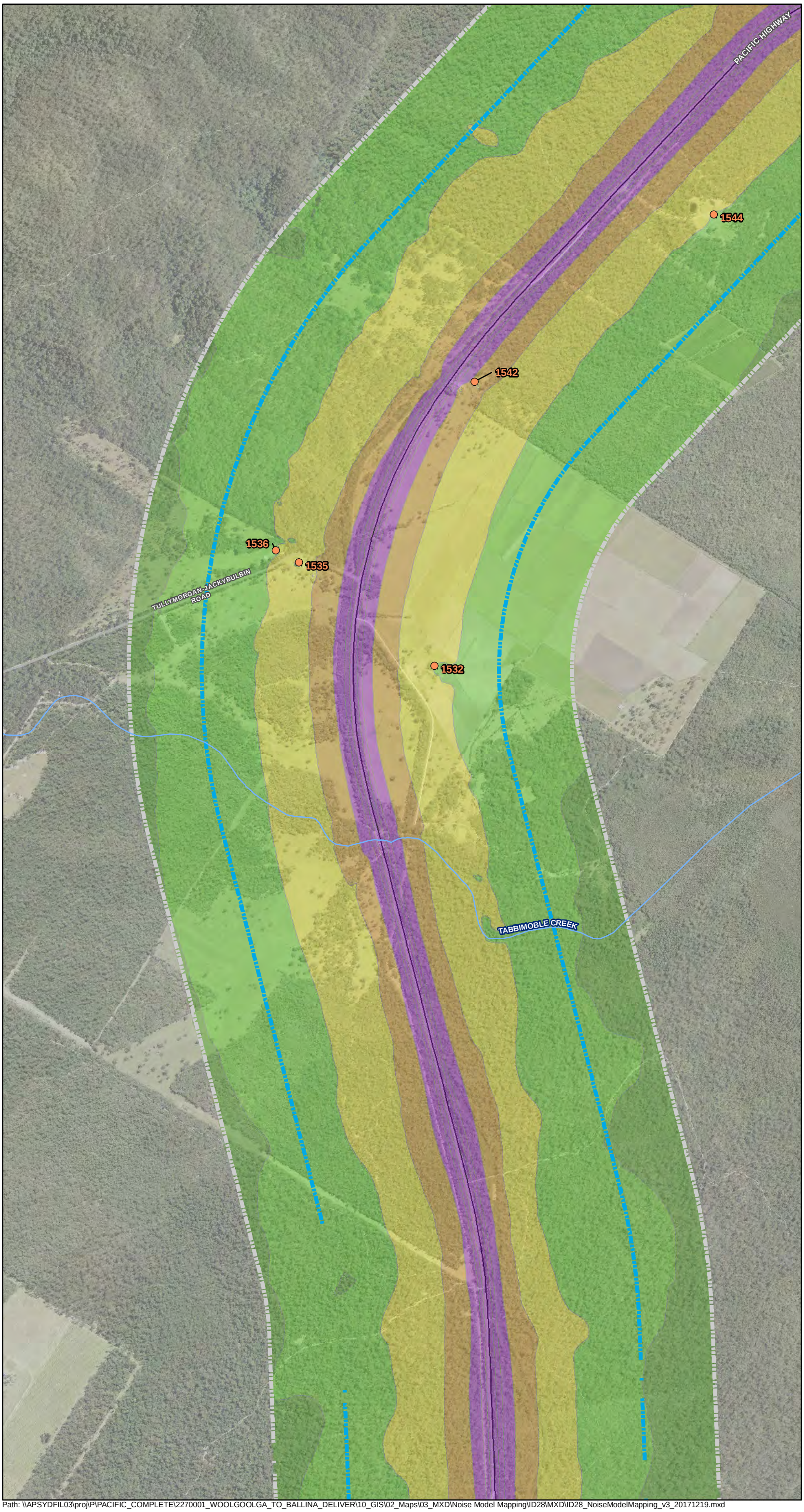

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029
No Build Day

Map: ID28

Map 4 of 5

- Receivers eligible for consideration of additional mitigation
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Day Noise Level Leq,15hr dBA

- 45-49
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Metres

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Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029
No Build Day

Map: ID28

Map 5 of 5

- Receivers eligible for consideration of additional mitigation
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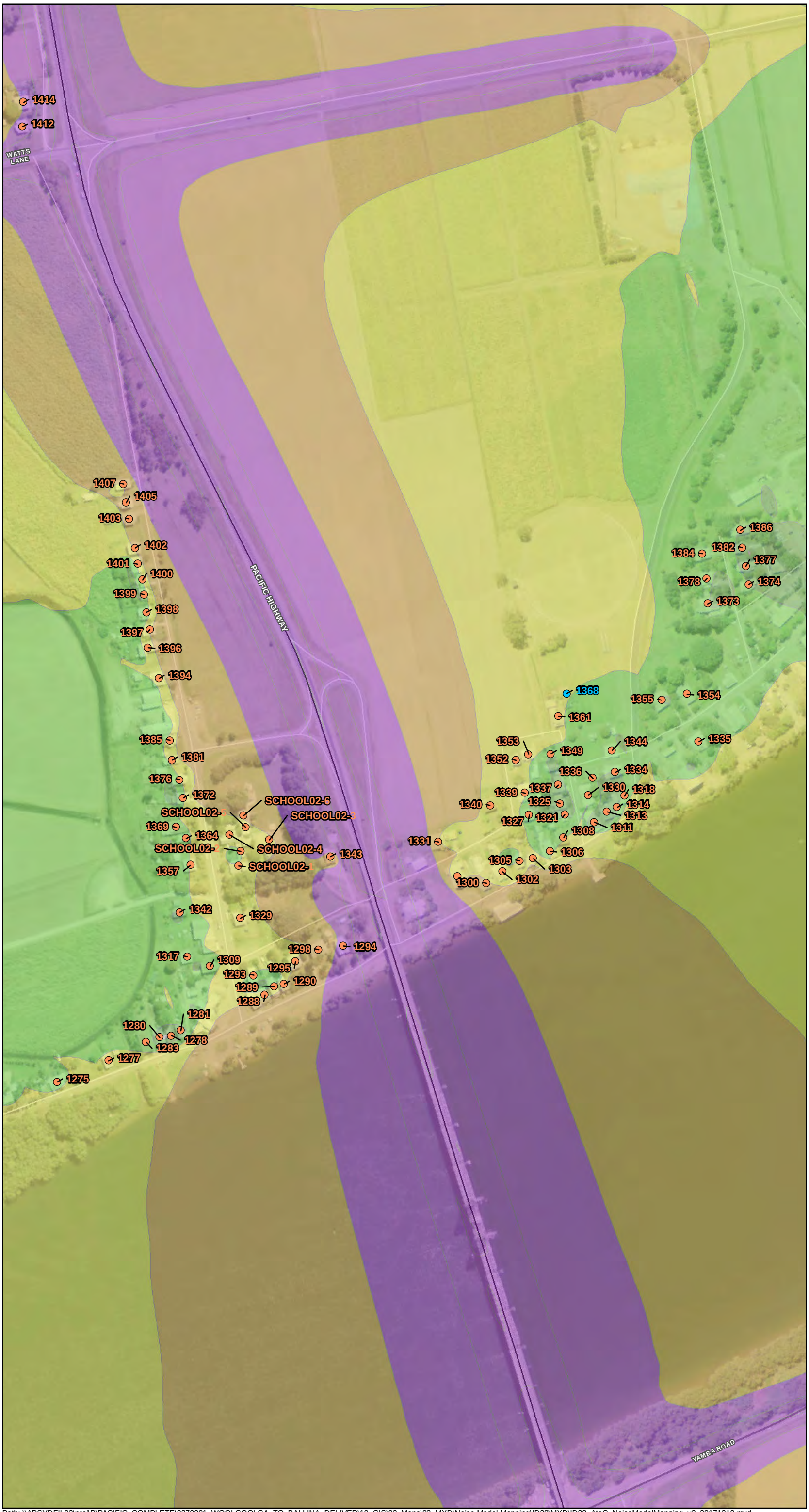

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029
No Build Day

Map: ID28A

Map 1 of 3

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:4,000
at A3

0 20 40 80 120 160 200
Metres

Print Date:	2/03/2018
Author:	ORFANOSM

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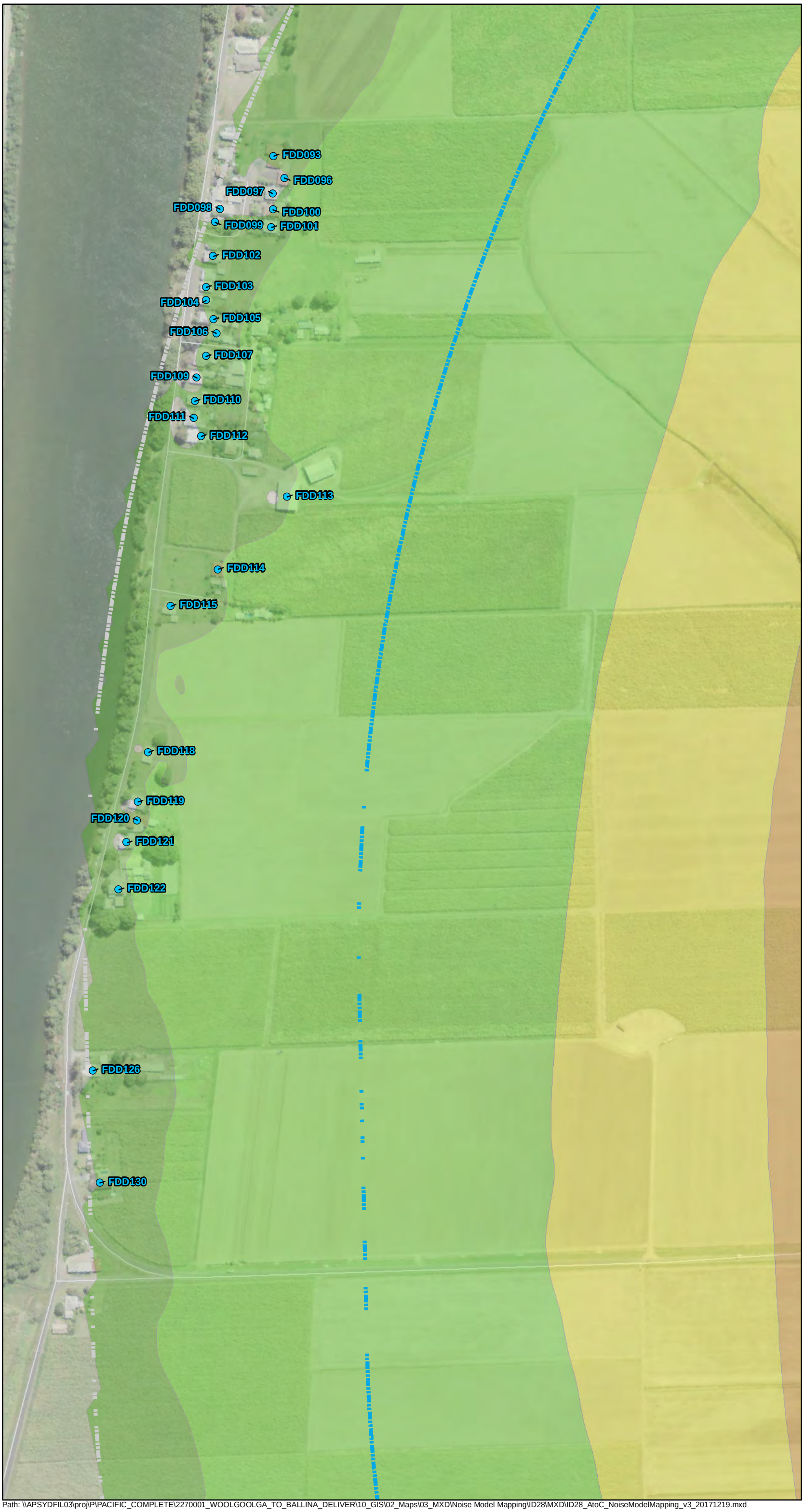

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029
No Build Day

Map: ID28B

Map 2 of 3

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:4,000
at A3

0 20 40 80 120 160 200
Metres

Print Date:	2/03/2018
Author:	ORFANOSM

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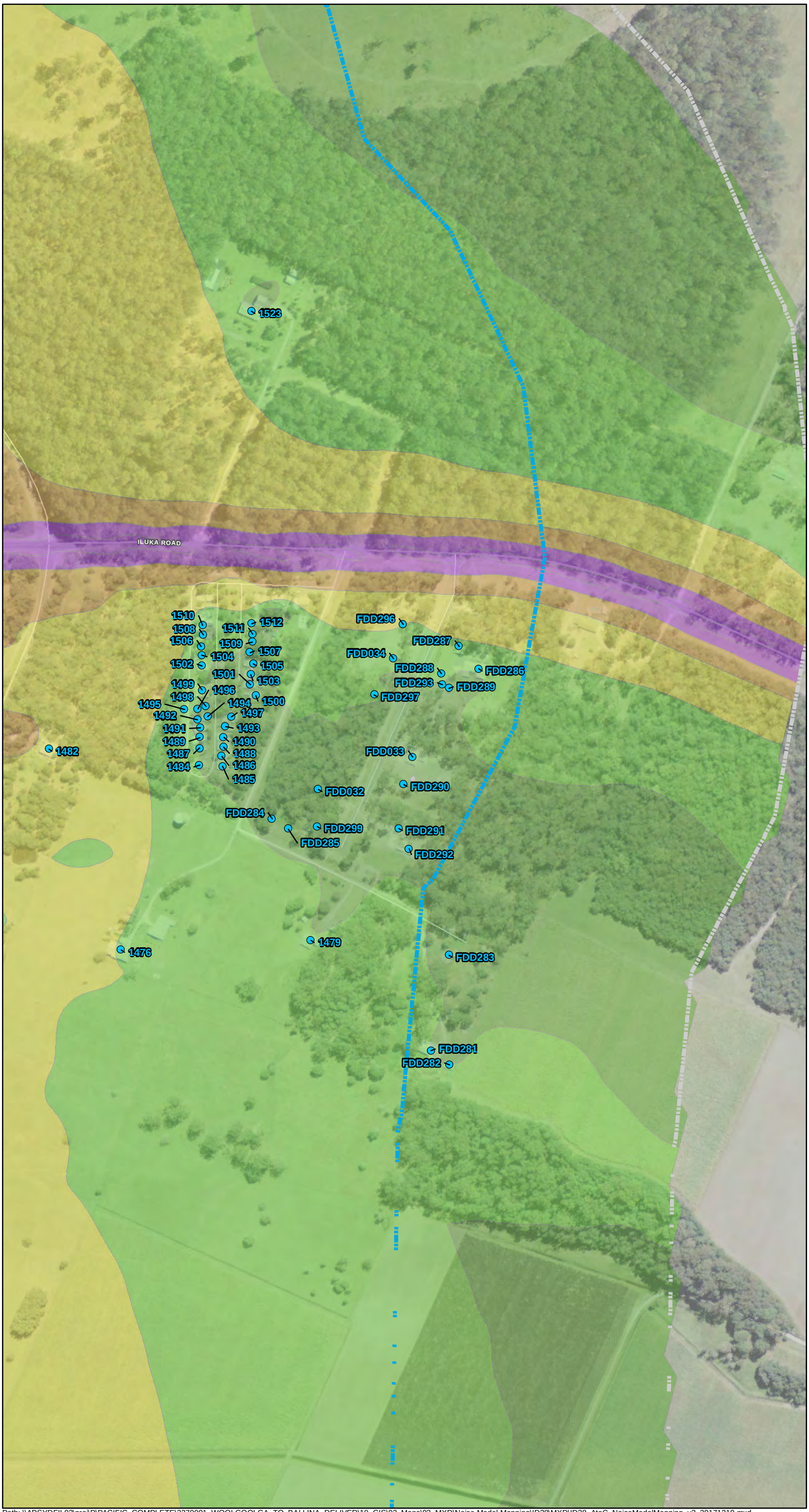

Transport Roads & Maritime Services

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029
No Build Day

Map: ID28C

Map 3 of 3

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Day Noise Level Leq,15hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:4,000
at A3

0 20 40 80 120 160 200
Metres

Print Date:	2/03/2018
Author:	ORFANOSM

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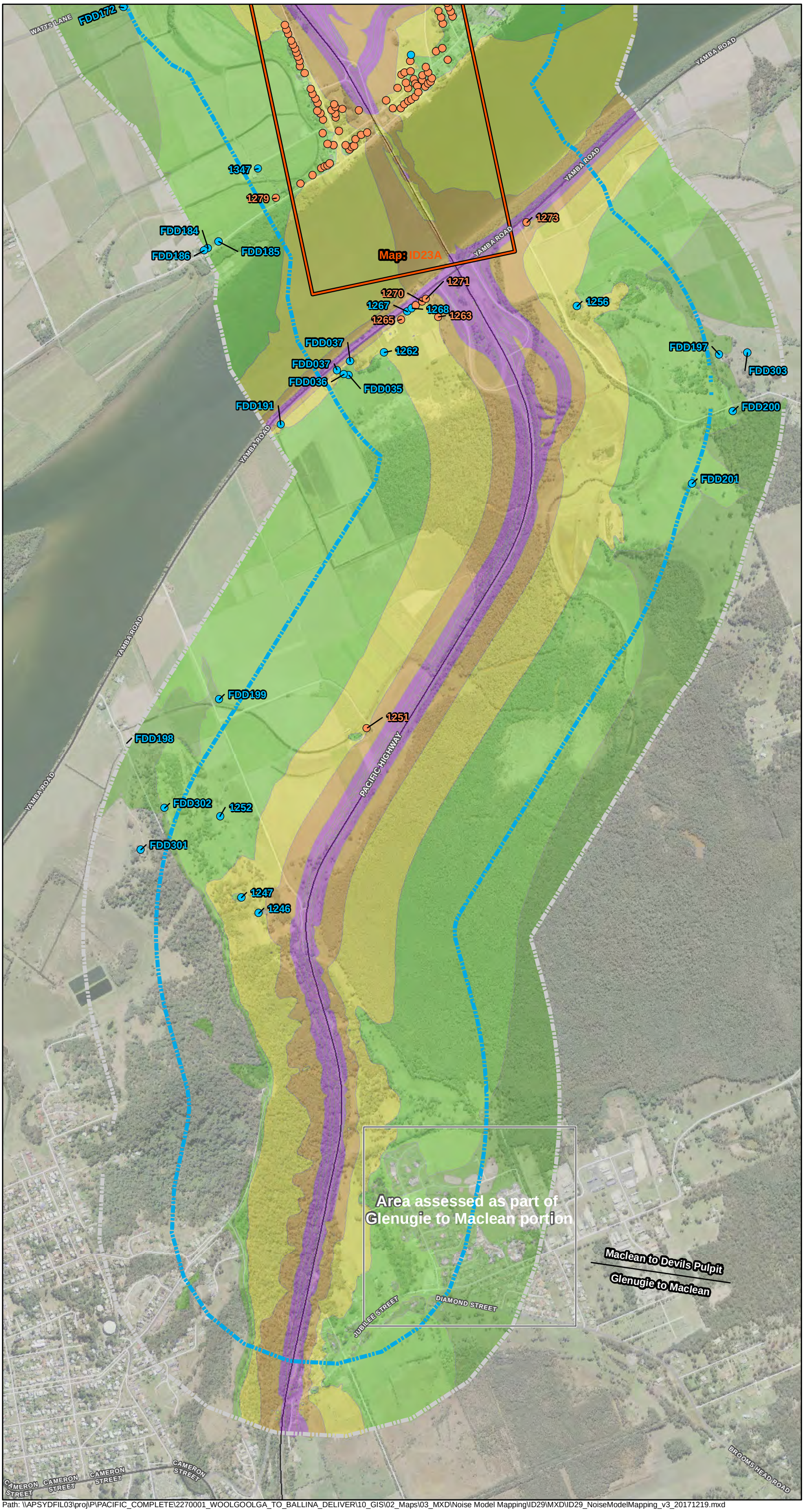

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029
No Build Night

Map: ID29

Map 1 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000
at A3

0 75 150 300 450 600 750
Metres

Print Date:	19/02/2018
Author:	ORFANOSM

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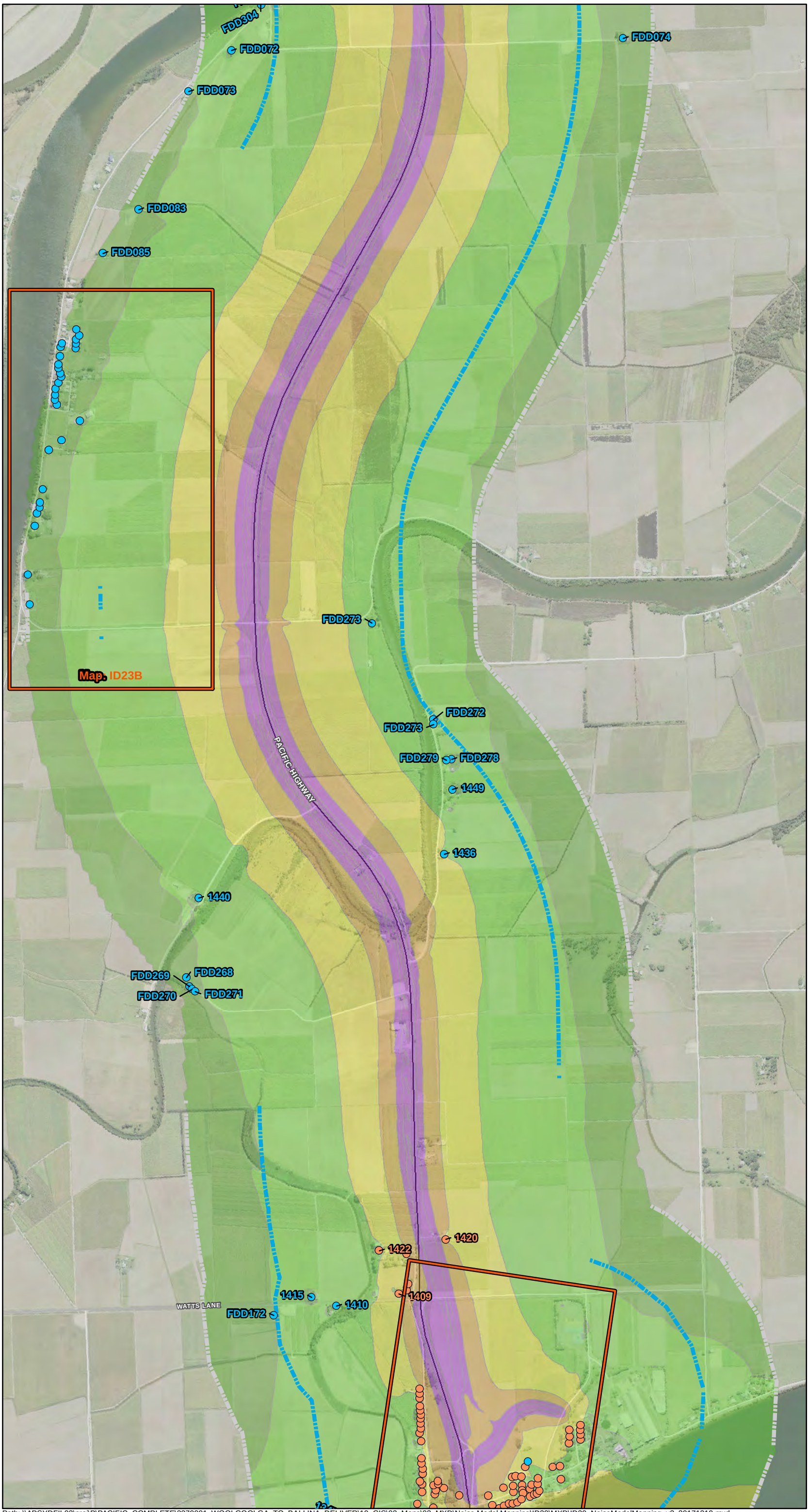

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029
No Build Night

Map: ID29

Map 2 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000
at A3

0 75 150 300 450 600 750
Metres

Print Date:	19/02/2018
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Transport Roads & Maritime Services

NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029
No Build Night

Map: ID29

Map 3 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000
at A3

0 75 150 300 450 600 750
Metres

Print Date:	19/02/2018
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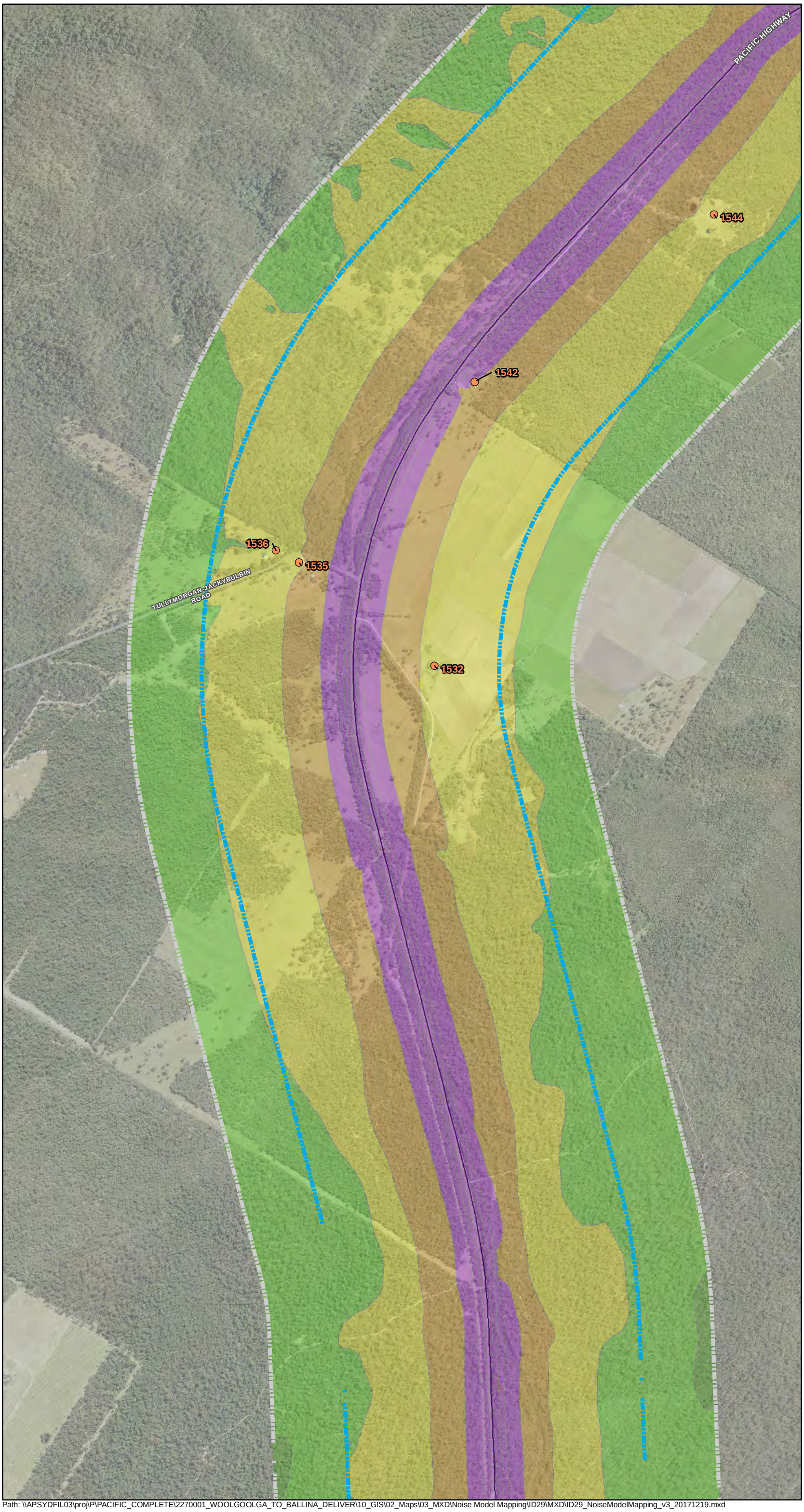

Transport Roads & Maritime Services

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029 No Build Night

Map: ID29

Map 4 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000 at A3

0 75 150 300 450 600 750 Metres

Print Date:	19/02/2018
Author:	ORFANOSM

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Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029
No Build Night

Map: ID29

Map 5 of 5

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:15,000
at A3

0 75 150 300 450 600 750
Metres

Print Date:	19/02/2018
Author:	ORFANOSM

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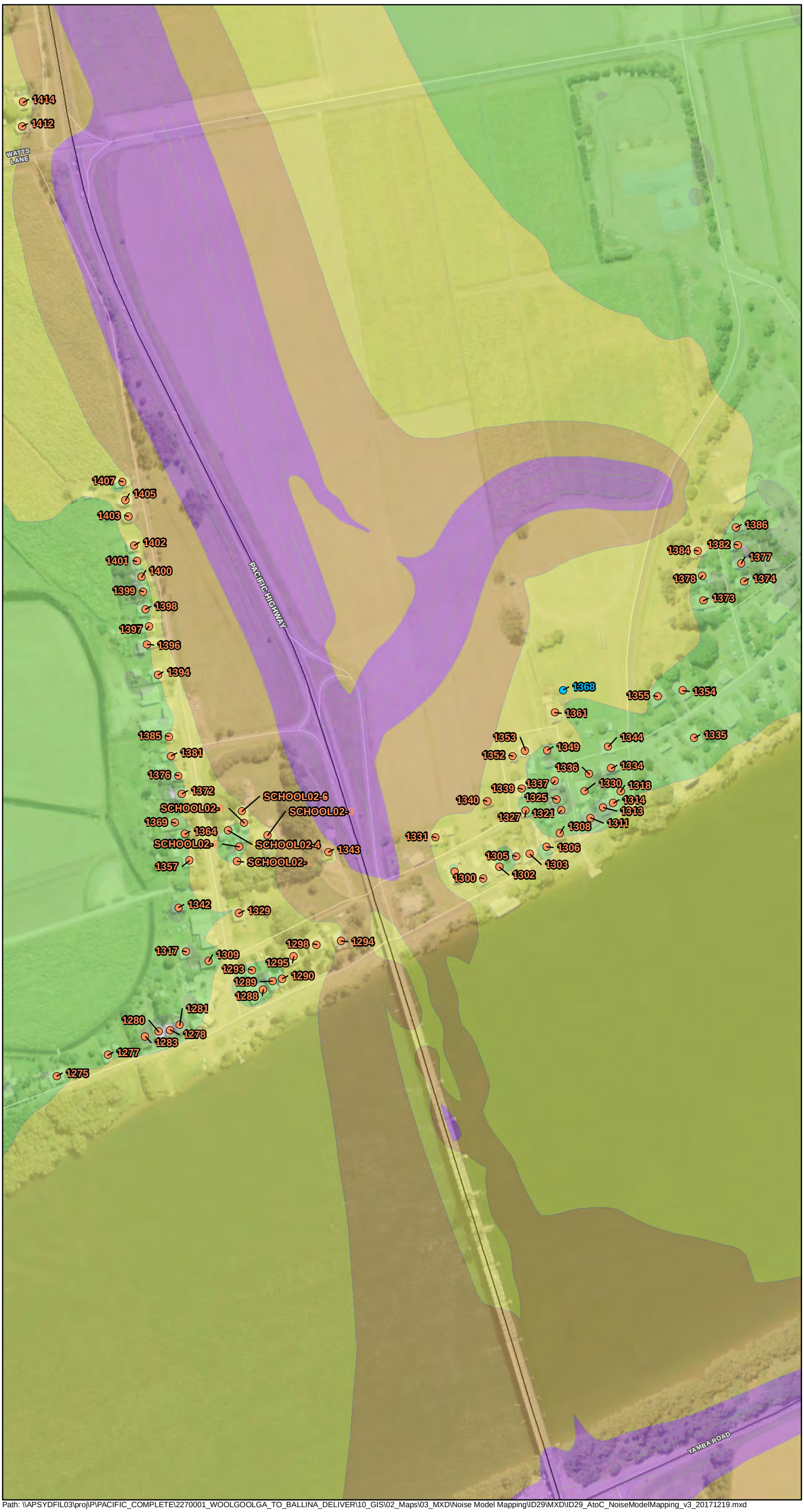

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029
No Build Night

Map: ID29A

Map 1 of 3

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:4,000
at A3

0 20 40 80 120 160 200
Metres

Print Date:	19/02/2018
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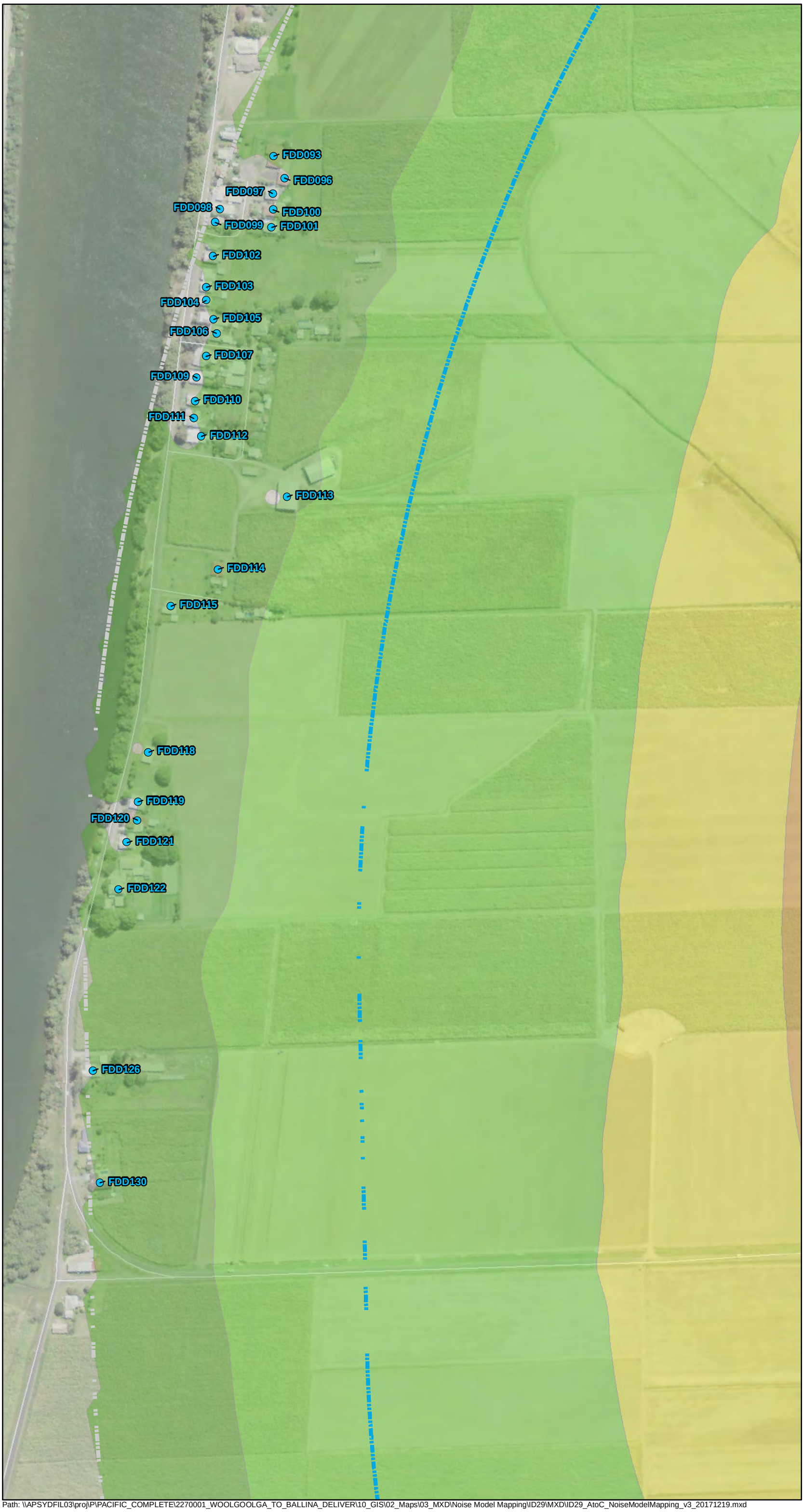

Transport Roads & Maritime Services
NSW GOVERNMENT

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029
No Build Night

Map: ID29B

Map 2 of 3

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:4,000
at A3

0 20 40 80 120 160 200
Metres

Print Date:	19/02/2018
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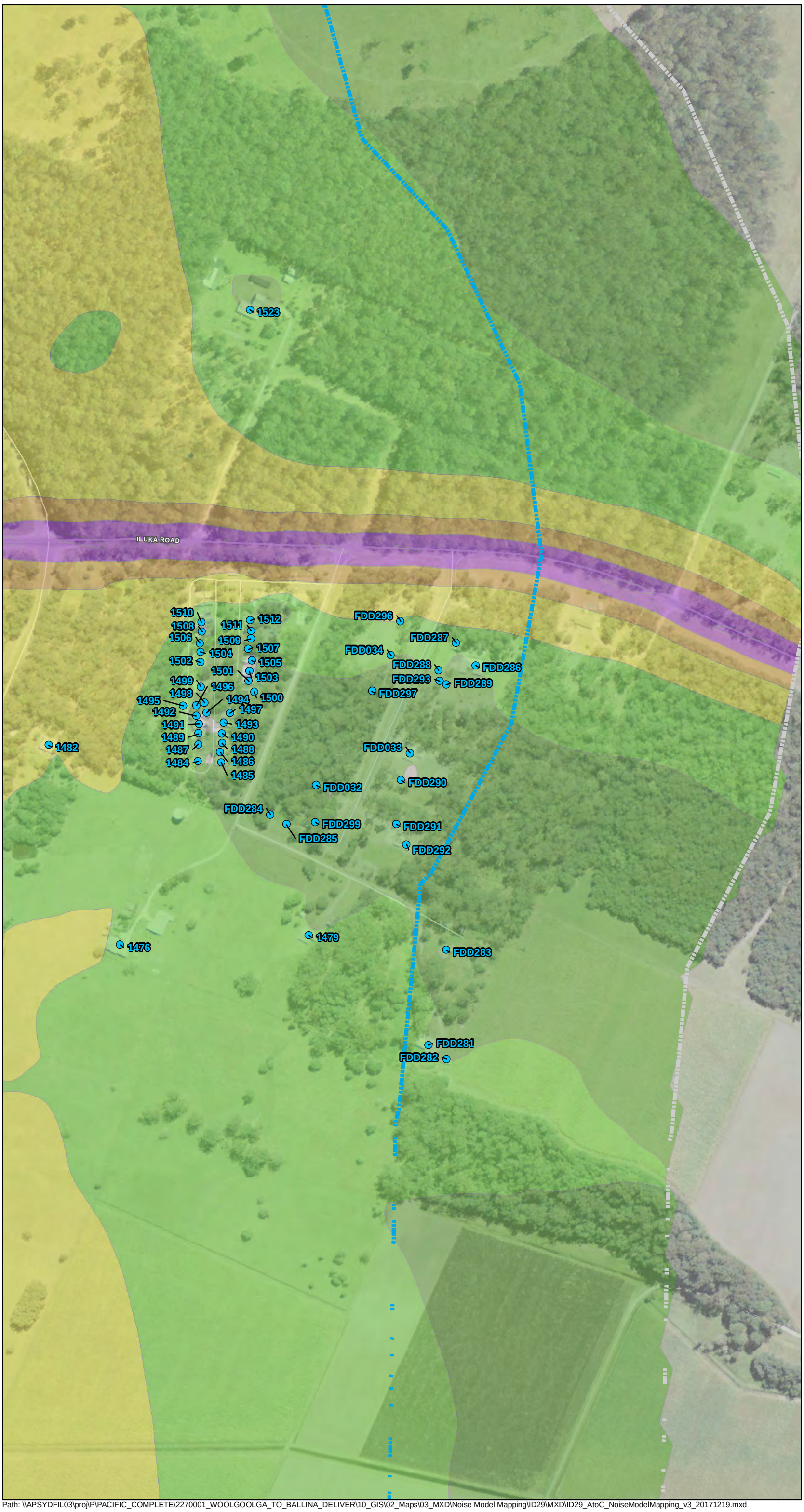

Transport Roads & Maritime Services

PACIFIC HIGHWAY UPGRADE
Woolgoolga to Ballina

Maclean to Devils Pulpit

Design Year 2029
No Build Night

Map: ID29C

Map 3 of 3

- Receivers eligible for consideration of additional mitigation
- Receivers not eligible for consideration of additional mitigation
- 600m Buffer
- 900m Buffer

Night Noise Level Leq,9hr dBA

- 45-49
- 50-54
- 55-59
- 60-64
- 65+

1:4,000
at A3

0 20 40 80 120 160 200
Metres

Print Date:	19/02/2018
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