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Document Register/Issue: B2413-DI-04

Date: 02 August 2024

Melville Ford Bridge Over The Hunter River

			Issued to Saunders	
Document number	Title	Rev	Format	No
B2413-D-01	Cover Sheet	A1	A3	pdf
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B2413-D-05	Piling - Details	A2	A3	pdf
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B2413-D-10	Piers - Pile Cap And Column Reinforced Concrete Details	A2	A3	pdf
B2413-D-11	Piers - Headstocks Reinforced Concrete Details Sheet A	A2	A3	pdf
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B2413-D-13	Piers - Headstocks Reinforced Concrete Details Sheet C	A2	A3	pdf

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Document number	Title	Rev	Format	No
B2413-D-14	Bearings - Installation And Details	A2	A3	pdf
B2413-D-15	Prestressed Beams - Concrete Details	A2	A3	pdf
B2413-D-16	Prestressed Beams - Reinforcement Details			
B2413-D-17	Super Tee Girder - Concrete Details Sheet A	A2	A3	pdf
B2413-D-18	Super Tee Girder - Concrete Details Sheet B	A2	A3	pdf
B2413-D-19	Super Tee Girder - Reinforcement Details			
B2413-D-20	Deck - Concrete Details Sheet A	A1	A3	pdf
B2413-D-21	Deck - Concrete Details Sheet B	A1	A3	pdf
B2413-D-22	Deck - Concrete Details Sheet C	A2	A3	pdf
B2413-D-23	Deck - Reinforcement Details Sheet A			
B2413-D-24	Deck - Reinforcement Details Sheet B			
B2413-D-25	Approach Slab - Concrete Sheet A	A1	A3	pdf
B2413-D-26	Approach Slab - Concrete Sheet B	A2	A3	pdf
B2413-D-27	Approach Slab - Reinforcement			
B2413-D-28	Pedestrian Barriers- Steelwork Details	A1	A3	pdf
B2413-D-29	Traffic Barriers - Steelwork Details Sheet A	A2	A3	pdf
B2413-D-30	Traffic Barriers - Steelwork Details Sheet B	A2	A3	pdf
B2413-D-31	Miscellaneous Steelwork Details	A2	A3	pdf
B2413-D-32	Reinforcement - Bar Shapes			
B2413-D-33	Access Stairs – Reinforced Concrete Details			

Notes

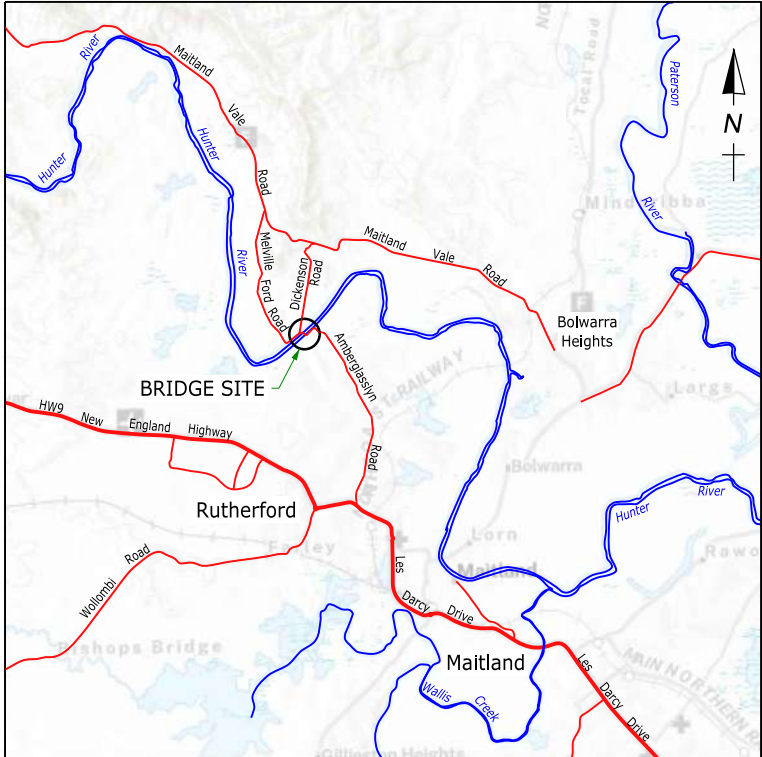
- Highlighted drawings are included in this issue
- Darker Highlight drawings are new in this issue

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...IB2413 D01 Cover Sheet.dgn

MELVILLE FORD BRIDGE OVER THE HUNTER RIVER ON MELVILLE FORD ROAD AT 4.21km NORTH OF HW9



LOCATION
1:150,000

New bridge - 2024.
Bridge design to AS 5100-2017.
Traffic loadings SM1600, HLP400. Design AADT>1000.
Design speed 100kph.
Design heavy vehicle count 100 vpd. Route factor 0.5.
Allowance for superimposed dead loads 1.7 kPa (serviceability).
Earthquake design classification BEDC-2.
Minimum design lateral loading 500kN.
Traffic barriers: Regular Performance.
Wind Loading 40m/s.
Waterway data:

Average Recurrence Interval-years	Flow m ³ /s	Velocity m/s	Water Level (inc afflux)
100	8 000	2.2	18.8
2000	28 000	3.2	23.1

DRAWING LIST

- D01 COVER SHEET
- D02 GENERAL ARRANGEMENT - SHEET A
- D03 GENERAL ARRANGEMENT - SHEET B
- D04 SUBSTRUCTURE - SETOUT
- D05 PILING - DETAILS
- D06 ABUTMENTS - CONCRETE DETAILS SHEET A
- D07 ABUTMENTS - CONCRETE DETAILS SHEET B
- D08 ABUTMENTS - REINFORCEMENT DETAILS SHEET A
- D09 ABUTMENTS - REINFORCEMENT DETAILS SHEET B
- D10 PIERS - PILE CAP AND COLUMN REINFORCED CONCRETE DETAILS
- D11 PIERS - HEADSTOCKS REINFORCED CONCRETE DETAILS SHEET A
- D12 PIERS - HEADSTOCKS REINFORCED CONCRETE DETAILS SHEET B
- D13 PIERS - HEADSTOCKS REINFORCED CONCRETE DETAILS SHEET C
- D14 BEARINGS - INSTALLATION AND DETAILS
- D15 PRESTRESSED BEAMS - CONCRETE DETAILS
- D16 PRESTRESSED BEAMS - REINFORCEMENT DETAILS
- D17 SUPER TEE GIRDER - CONCRETE DETAILS SHEET A
- D18 SUPER TEE GIRDER - CONCRETE DETAILS SHEET B
- D19 SUPER TEE GIRDER - REINFORCEMENT DETAILS
- D20 DECK - CONCRETE DETAILS SHEET A
- D21 DECK - CONCRETE DETAILS SHEET B
- D22 DECK - CONCRETE DETAILS SHEET C
- D23 DECK - REINFORCEMENT DETAILS SHEET A
- D24 DECK - REINFORCEMENT DETAILS SHEET B
- D25 APPROACH SLAB - CONCRETE SHEET A
- D26 APPROACH SLAB - CONCRETE SHEET B
- D27 APPROACH SLAB - REINFORCEMENT
- D28 PEDESTRIAN BARRIERS- STEELWORKDETAILS
- D29 TRAFFIC BARRIERS - STEELWORK DETAILS SHEET A
- D30 TRAFFIC BARRIERS - STEELWORK DETAILS SHEET B
- D31 MISCELLANEOUS STEELWORK DETAILS
- D32 REINFORCEMENT - BAR SHAPES
- D33 ACCESS STAIRS - REINFORCED CONCRETE DETAILS

SAFETY IN DESIGN

The design of the works shown on these drawings does not present hazards that are not usually encountered in this type of construction.

The design of the works shown on these drawings does not present hazards that are not usually encountered in this type of construction. Refer to the design report for details of these hazards.

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Abergalssyn Road/Melville Ford Road
MELVILLE FORD BRIDGE OVER THE HUNTER RIVER
at 4.21km north of HW9
COVER SHEET

City of Maitland
JOB NUMBER B2413
DOCUMENT NUMBER D01
SHEET 1 OF 33
REVISION A1

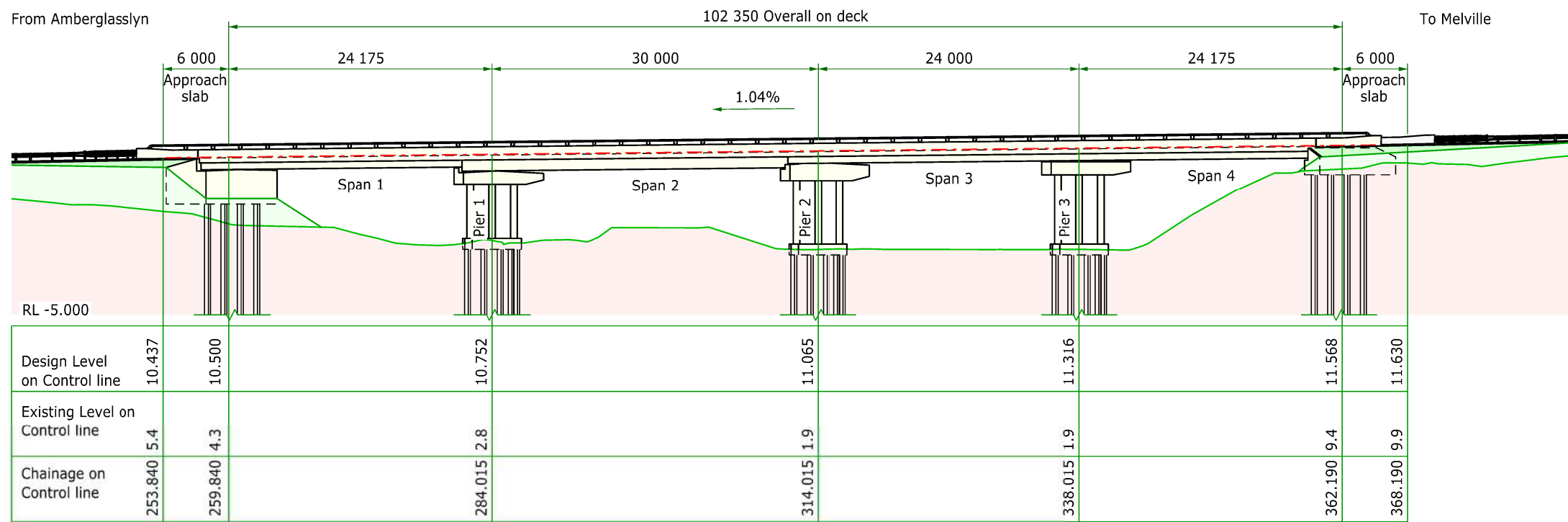
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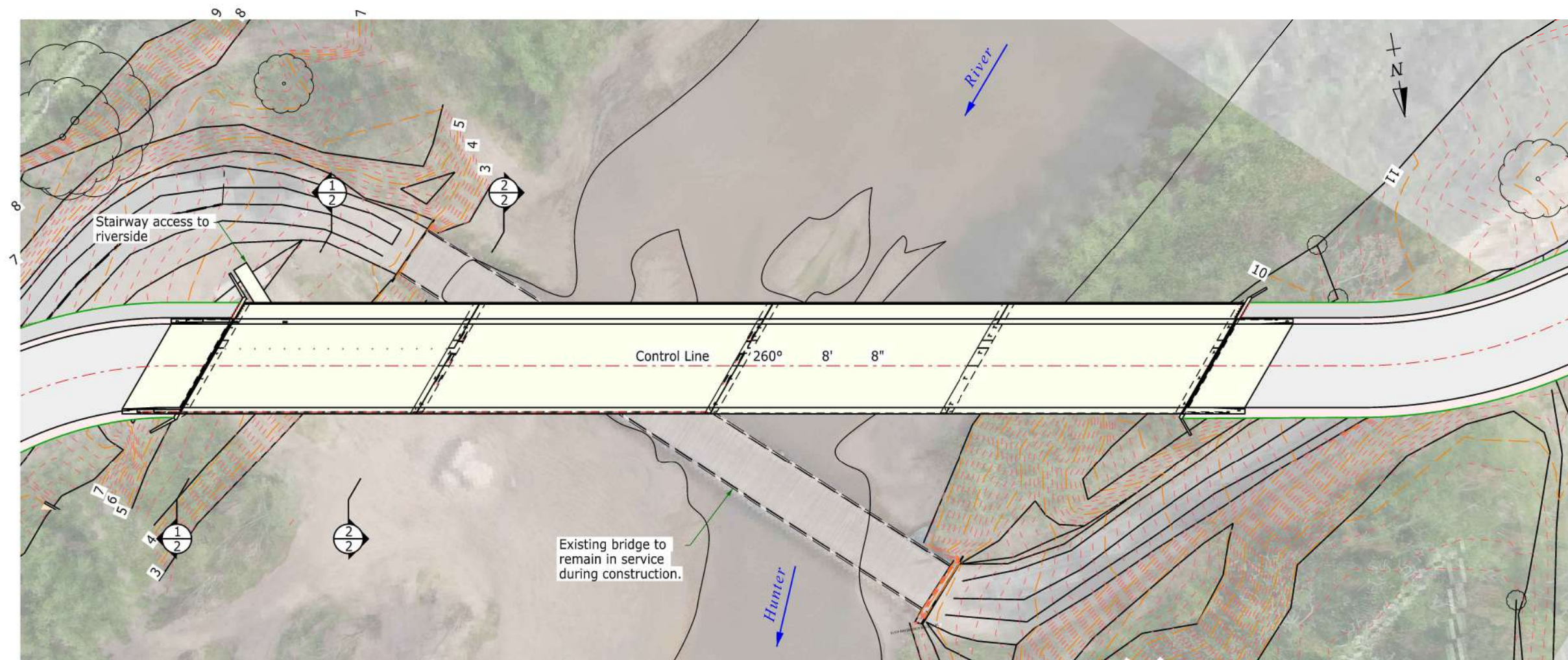
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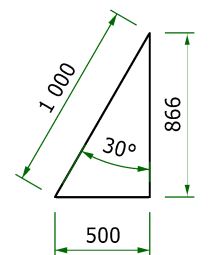
...IB2413 D02 GA Sheet A.dgn



ELEVATION
1:500



PLAN
1:500



SKIEW
DIAGRAM

General Notes

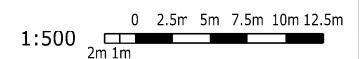
Dimensions in millimetres.

Chainages and reduced levels in metres.

Reduced levels are to AHD.

SOL denotes set out line.

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DRAWING SCALES TRUE AT A3



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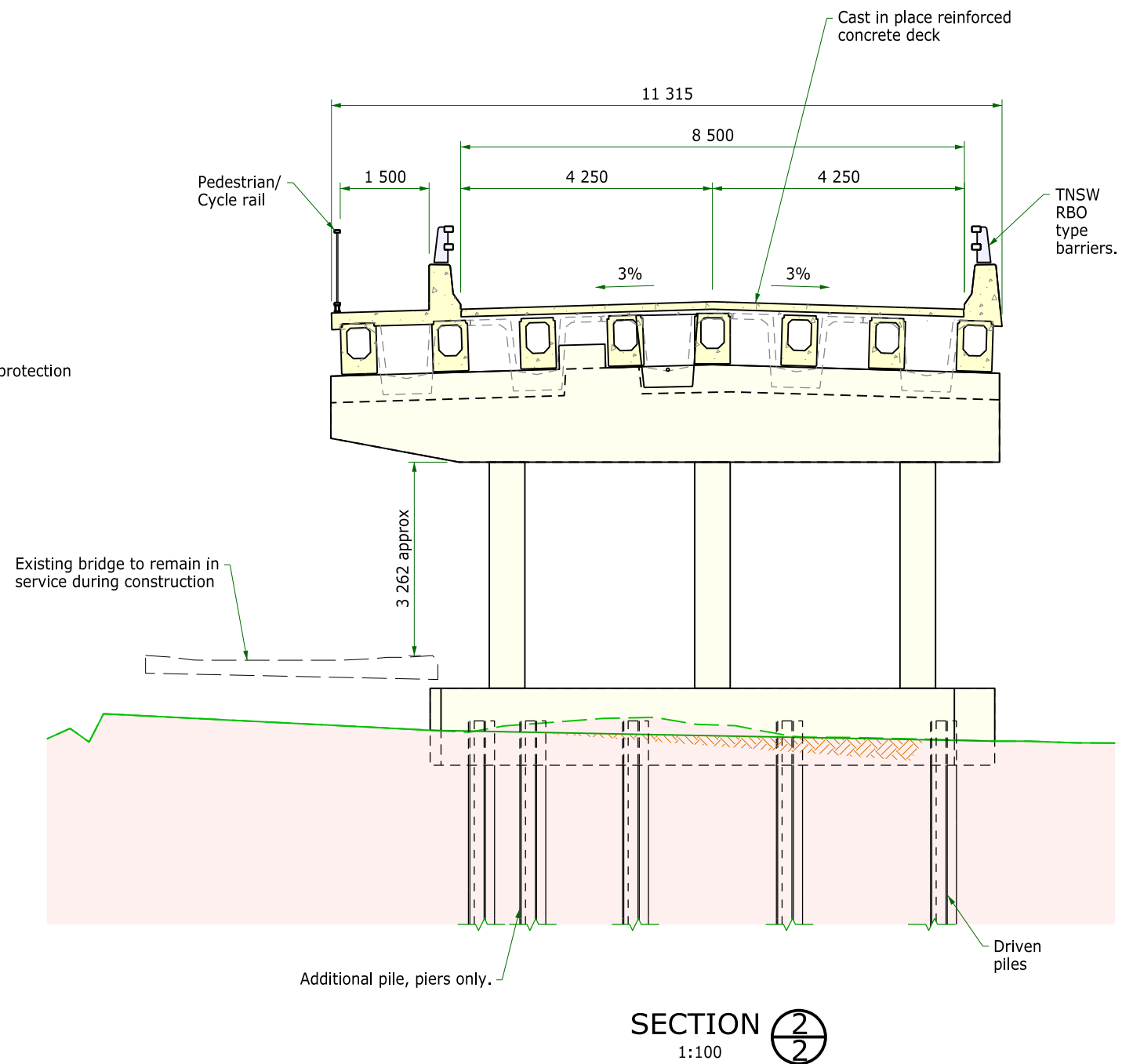
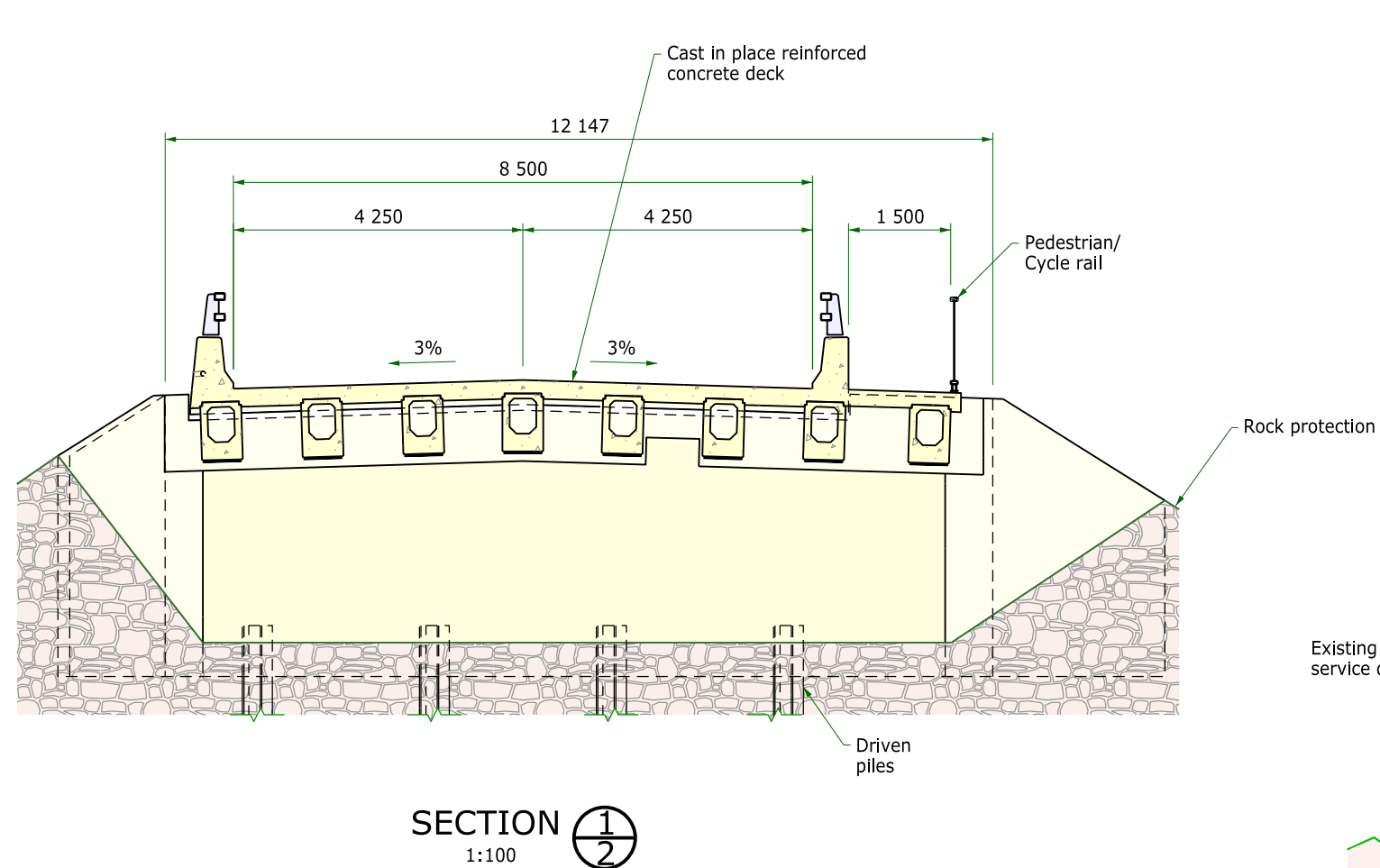
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Aberglasslyn Road/Melville Ford Road
MELVILLE FORD BRIDGE OVER THE HUNTER RIVER
at 4.21km north of HW9
GENERAL ARRANGEMENT
SHEET A

City of Maitland
JOB NUMBER B2413
DOCUMENT NUMBER D02
SHEET 2 OF 33
REVISION A1

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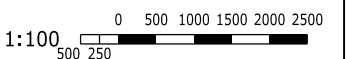
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1:500

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For general notes, see sheet 2.



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MELVILLE FORD BRIDGE OVER THE HUNTER RIVER
at 4.21km north of HW9
GENERAL ARRANGEMENT
SHEET B

City of Maitland
JOB NUMBER B2413
DOCUMENT NUMBER D03
SHEET 3 OF 33
REVISION A2

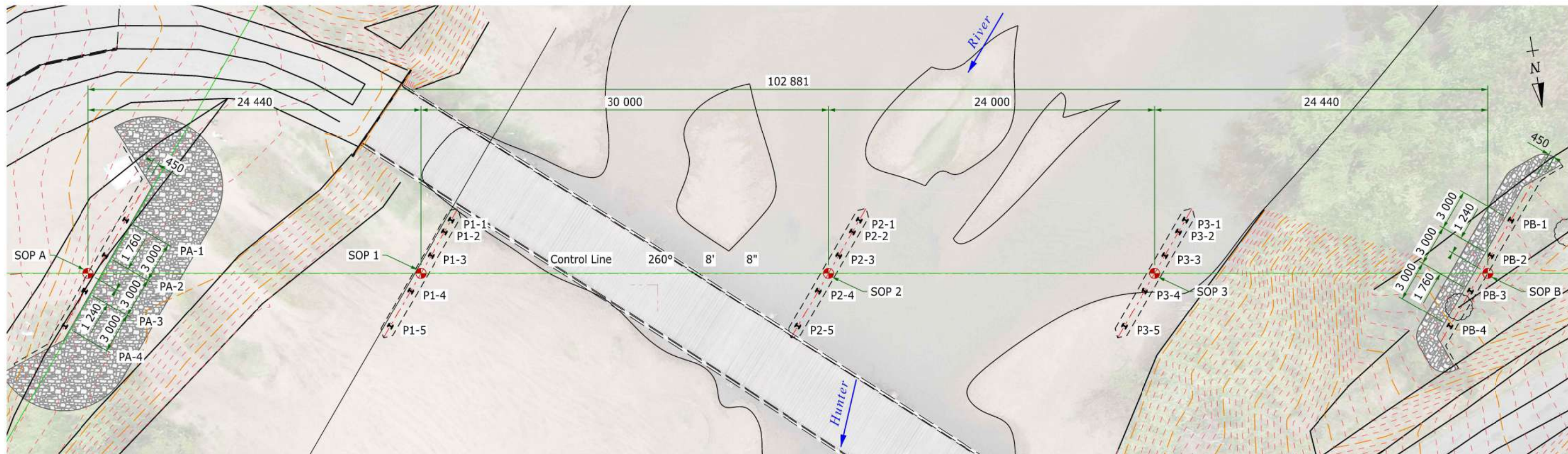
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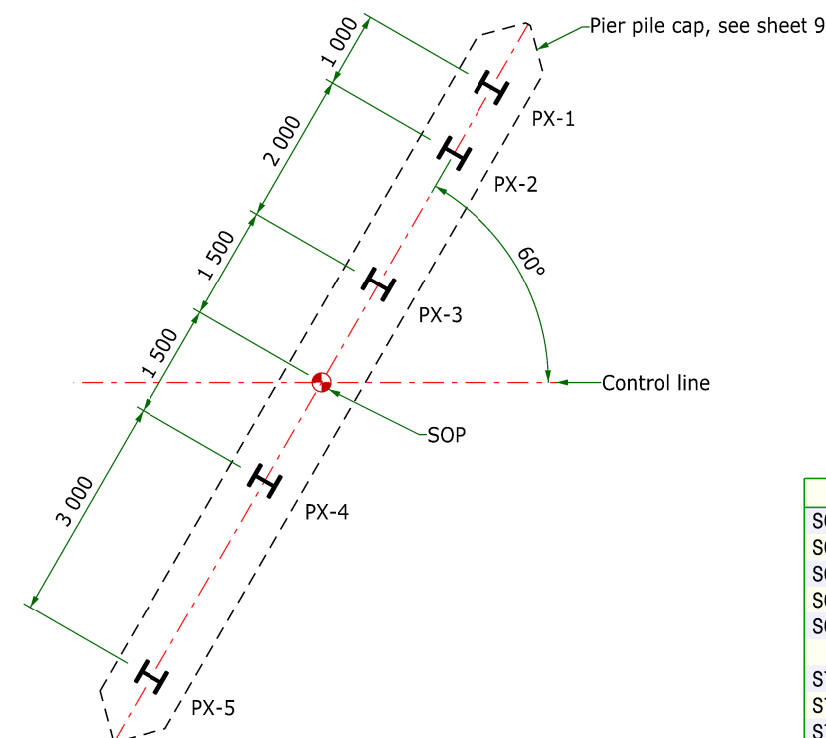
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...B2413 D04 Substructure setout.dgn



PLAN
1:300



PIER PILE LAYOUT
1:100

	Easting	Northing	RL	Notes
SOP A	361 841.897	6 382 256.011		
SOP 1	361 817.818	6 382 260.199		
SOP 2	361 788.261	6 382 265.339		
SOP 3	361 764.616	6 382 269.451		
SOP B	361 740.537	6 382 273.638		
STN 50	362 071.395	6 382 302.983	12.942	Survey Station
STN 51	361 877.702	6 382 234.364	12.122	Dumpy
STN 52	362 065.823	6 382 330.687	12.127	Survey Station
STN 53	361 772.526	6 382 295.048	4.015	Survey Station
STN 55	361 829.026	6 382 242.435	4.650	Hilti Nail
STN 56	361 856.889	6 382 248.991	6.460	Hilti Nail
STN 57	361 886.204	6 382 276.582	7.119	Hilti Nail
SSM 46013	362 224.441	6 382 265.926	20.613	
SSM 50029	362 246.283	6 382 206.555	24.645	
SSM 80937	362 427.164	6 381 974.690	0.000	

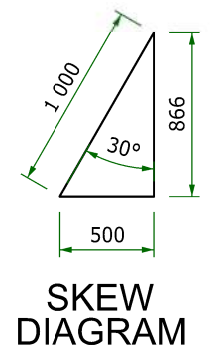
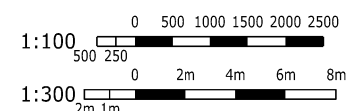
TABLE 1 - CONTROL AND SETOUT

	Easting	Northing
PA-1	361 838.500	6 382 252.646
PA-2	361 840.423	6 382 254.949
PA-3	361 842.346	6 382 257.252
PA-4	361 844.269	6 382 259.554
P1-1	361 814.933	6 382 256.745
P1-2	361 815.574	6 382 257.512
P1-3	361 816.856	6 382 259.047
P1-4	361 818.779	6 382 261.350
P1-5	361 820.702	6 382 263.653
P2-1	361 785.377	6 382 261.885
P2-2	361 786.018	6 382 262.652
P2-3	361 787.300	6 382 264.188
P2-4	361 789.223	6 382 266.490
P2-5	361 791.146	6 382 268.793
P3-2	361 761.732	6 382 265.997
P3-2	361 762.373	6 382 266.764
P3-3	361 763.655	6 382 268.300
P3-4	361 765.578	6 382 270.602
P3-5	361 767.501	6 382 272.905
PB-1	361 738.165	6 382 270.095
PB-2	361 740.088	6 382 272.398
PB-3	361 742.011	6 382 274.701
PB-4	361 743.933	6 382 277.003

TABLE 2 -
PILE COORDINATES

General Notes

Scales as shown.
Dimensions in millimetres.
Reduced levels in metres.
Reduced levels are to AHD.
SOL denotes set out line.
SOP denotes set out point.



SKEW
DIAGRAM

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MELVILLE FORD BRIDGE OVER THE HUNTER RIVER
at 4.21km north of HW9
SUBSTRUCTURE SETOUT

City of Maitland
JOB NUMBER B2413
DOCUMENT NUMBER D04
SHEET 4 OF 33
REVISION A2

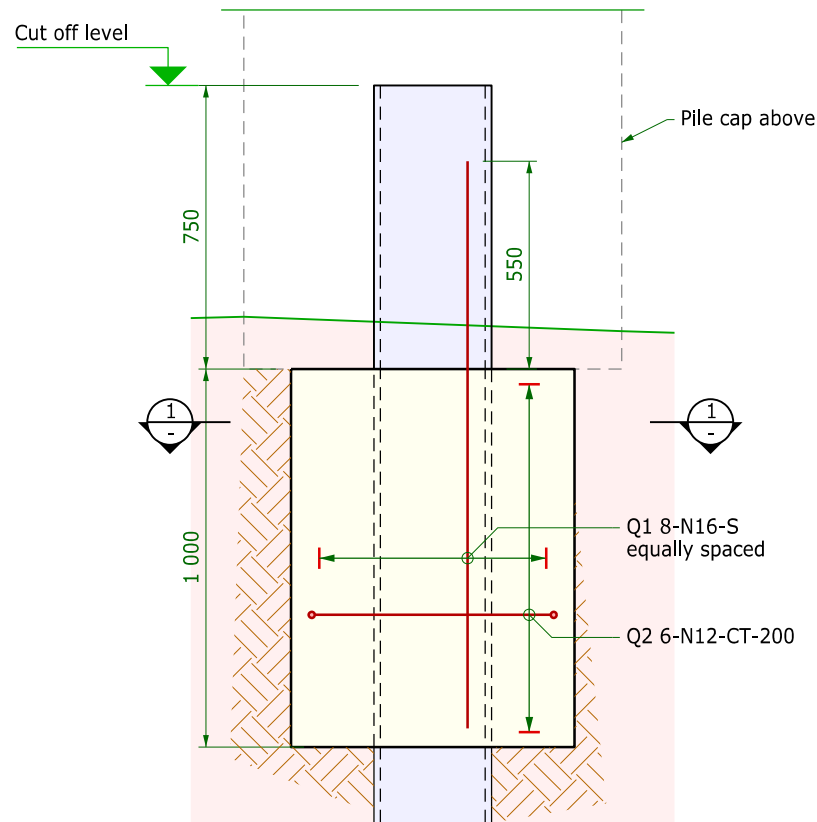
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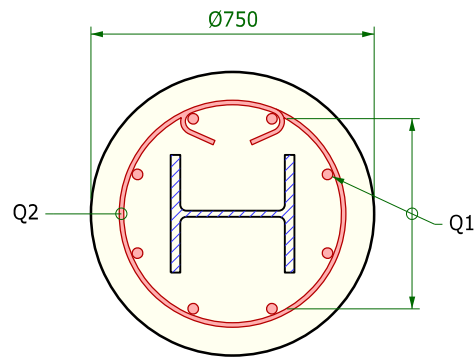
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20/8/2024

...B2413 D05 Pile details and rock protection.dgn



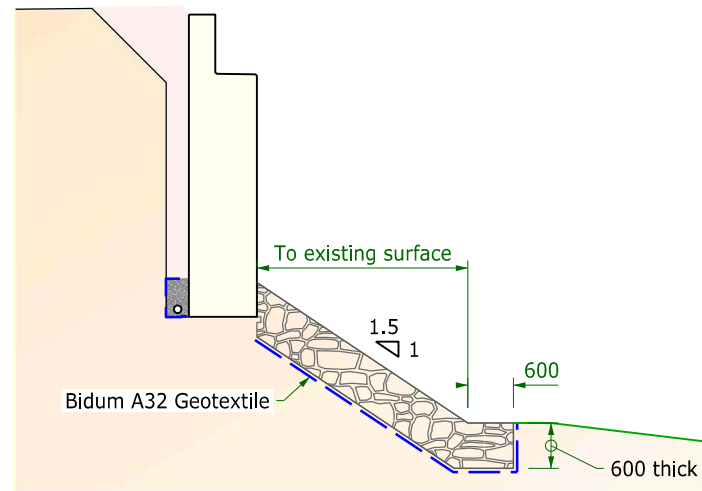
PIER PILE COLLAR ELEVATION
1:20



SECTION 1
1:20

Pile	Design Ultimate Loads		Anticipated Toe level	Cut Off Level	Max Toe Level
	Axial	Bending			
PA-1	2 200	300	-33.0	6.85	0.30
PA-2	1 700	300	-33.0	6.85	0.30
PA-3	1 500	300	-33.0	6.85	0.30
PA-4	1 500	300	-33.0	6.85	0.30
P1-1	2 700	200	-27.0	3.15	-3.50
P1-2	2 500	200	-27.0	3.15	-3.50
P1-3	2 800	200	-27.0	3.15	-3.50
P1-4	2 400	200	-27.0	3.15	-3.50
P1-5	2 600	200	-27.0	3.15	-3.50
P2-1	2 700	200	-26.0	2.53	-4.00
P2-2	2 500	200	-26.0	2.53	-4.00
P2-3	2 800	200	-26.0	2.53	-4.00
P2-4	2 400	200	-26.0	2.53	-4.00
P2-5	2 600	200	-26.0	2.53	-4.00
P3-1	2 700	200	-25.0	2.53	-4.00
P3-2	2 500	200	-25.0	2.53	-4.00
P3-3	2 800	200	-25.0	2.53	-4.00
P3-4	2 400	200	-25.0	2.53	-4.00
P3-5	2 600	200	-25.0	2.53	-4.00
PB-1	1 800	300	-24.0	9.60	3.00
PB-2	1 500	300	-24.0	9.60	3.00
PB-3	1 400	300	-24.0	9.60	3.00
PB-4	1 700	300	-24.0	9.60	3.00

TABLE 3 - PILE DETAILS



TYPICAL ROCK PROTECTION DETAIL
1:100

Rock Protection Notes

Rock protection to consist of igneous or durable approved rock of minimum specific gravity 2.5 meeting the following requirements:
Not more than 5% over 90kg
Not less than 50% over 35kg
Not less than 95% over 10kg
Nominal average size 0.31m.

Piling Notes

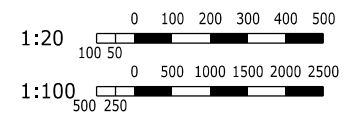
Piles are 310 UC 158 Grade 300 to AS 3679.1.
Piles to be driven to the ultimate design vertical load divided by the geotechnical factor ϕ_g .
Where no pile testing is performed use $\phi_g = 0.64$.
Where at least one test is performed use $\phi_g = 0.79$.

General Notes

Dimensions in millimetres.
Nominal cover to reinforcement nearest to the concrete surface 75mm USO.
FF far face NF near face
EF each face LV length varies.
NSOP not shown on plan.
USO unless specified otherwise.
Lap lengths to be as follows USO:-

Bar size	N12	N16	N20	N24	N28
Laps for Horizontal bars with more than 300mm of concrete cast below the bar	460	650	...	...	...
Laps - other bars	350	500	...	...	...

Development length to be 100% of lap length USO.
Lap lengths may be reduced by 20% where laps are staggered.
Clear distance between lapped bars not more than 3 bar diameters USO.
Reinforcement may be displaced slightly to clear embedded objects, holes and recesses.



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MELVILLE FORD BRIDGE OVER THE HUNTER RIVER
at 4.21km north of HW9
City of Maitland
PILING
DETAILS

JOB NUMBER B2413
DOCUMENT NUMBER D05
SHEET 05 OF 33
REVISION A2

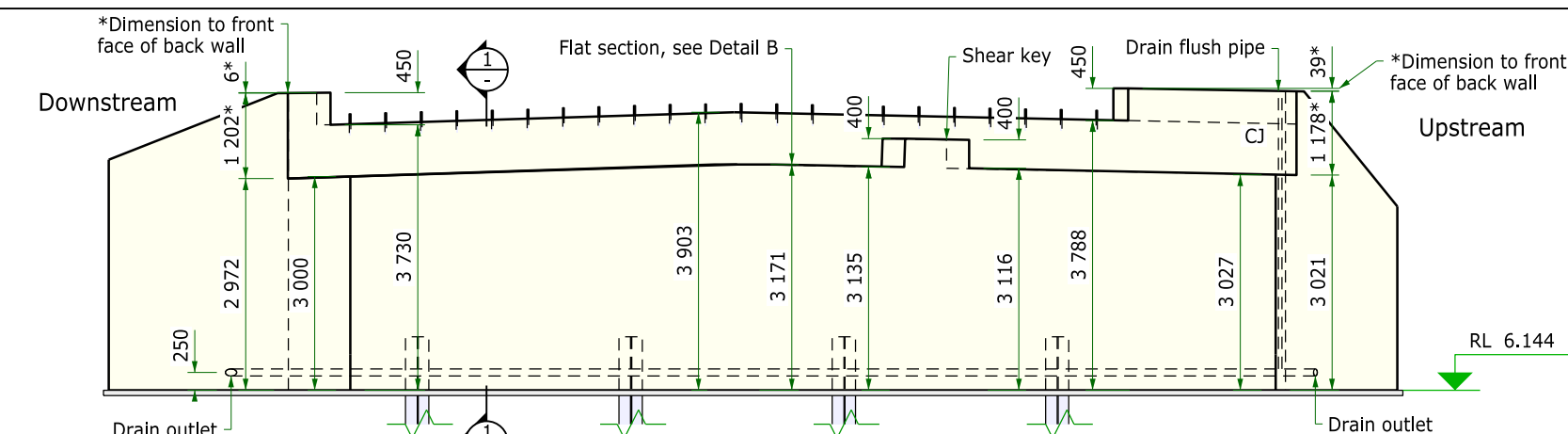
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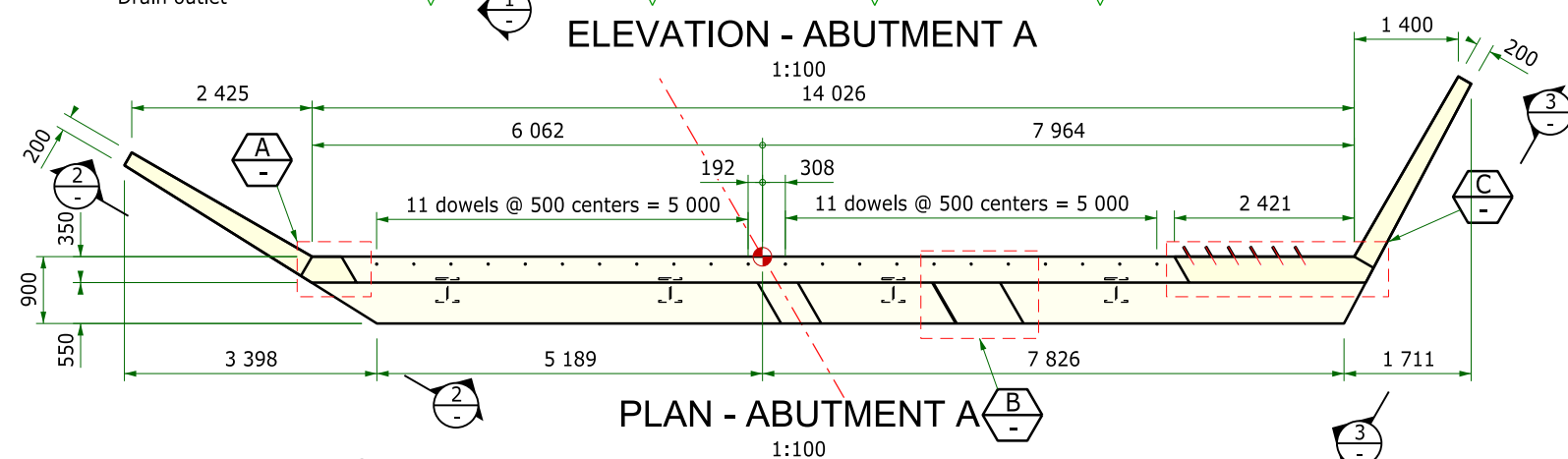
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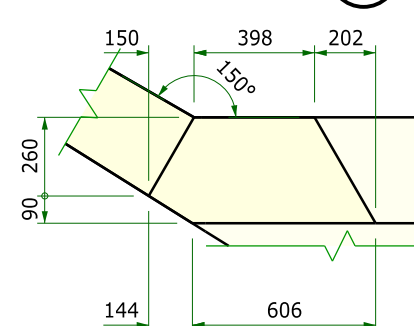
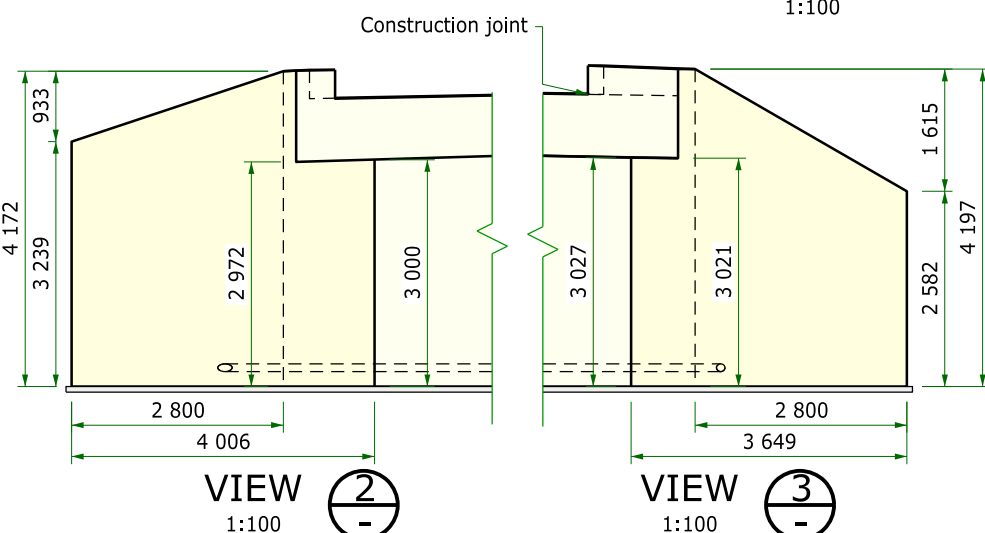
...1B2413 D06 Abutment Concrete Sheet A.dgn



ELEVATION - ABUTMENT A

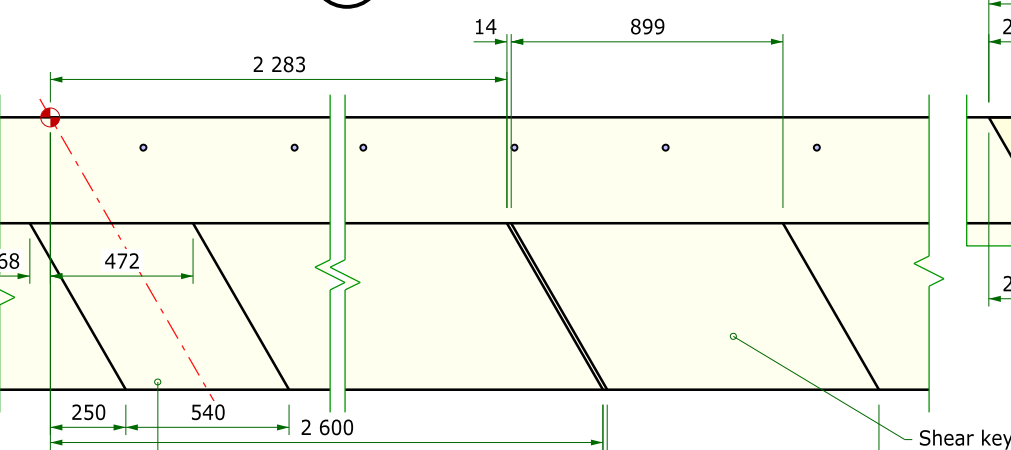


PLAN - ABUTMENT A



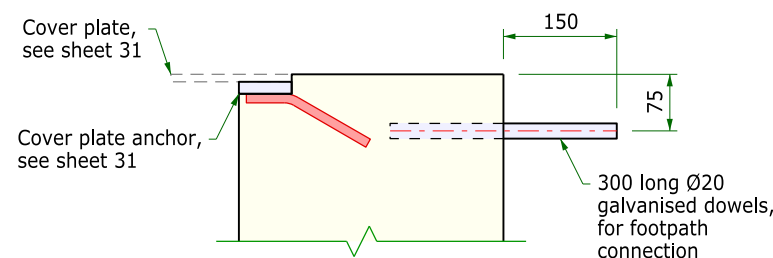
DETAIL A

1:25



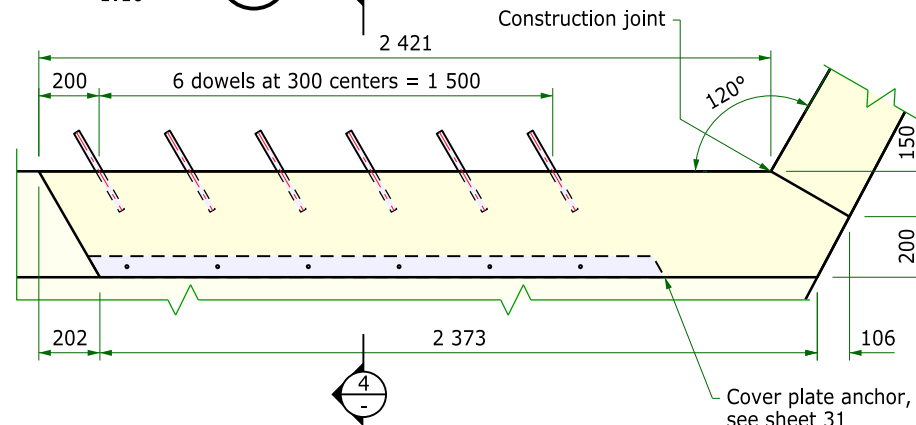
DETAIL B

1:25



SECTION 4

1:10



DETAIL C

1:25



Elastomeric plate bearing
Layout and details, see sheet 14

M20 HS beam
anchor threaded
rods x 350 long,
80 projection

Abutment scour protection,
see sheet 5

75 nominal mass
concrete working slab

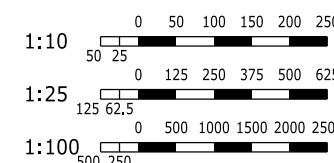
SECTION 1

1:25



General Notes

Dimensions in millimetres.
Concrete exposure classification B1.
Minimum 28 day compressive strength of concrete 40 MPa.
Chamfer edges 20 x 20 and fillet re-entrant angles 20x20 USO.
NCF denotes no chamfer or fillet.
USO unless specified otherwise.



DRAWING SCALES TRUE AT A3

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Aberglaslyn Road/Melville Ford Road
MELVILLE FORD BRIDGE OVER THE HUNTER RIVER
at 4.21km north of HW9
ABUTMENTS
CONCRETE DETAILS SHEET A

JOB NUMBER B2413
DOCUMENT NUMBER D06
SHEET 6 OF 33
REVISION A2

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Bridge Design
Pty Ltd

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ph 02 4322 0011
ABN 63 145 429 063

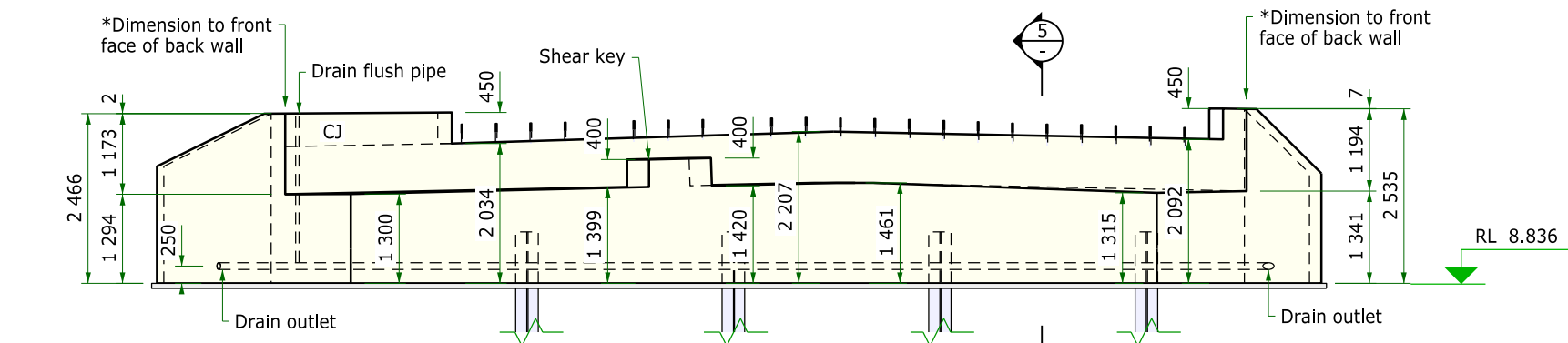
DESIGN: AJF
VERIFIED: -
DRAWING: BNC
CHECKED: AJF

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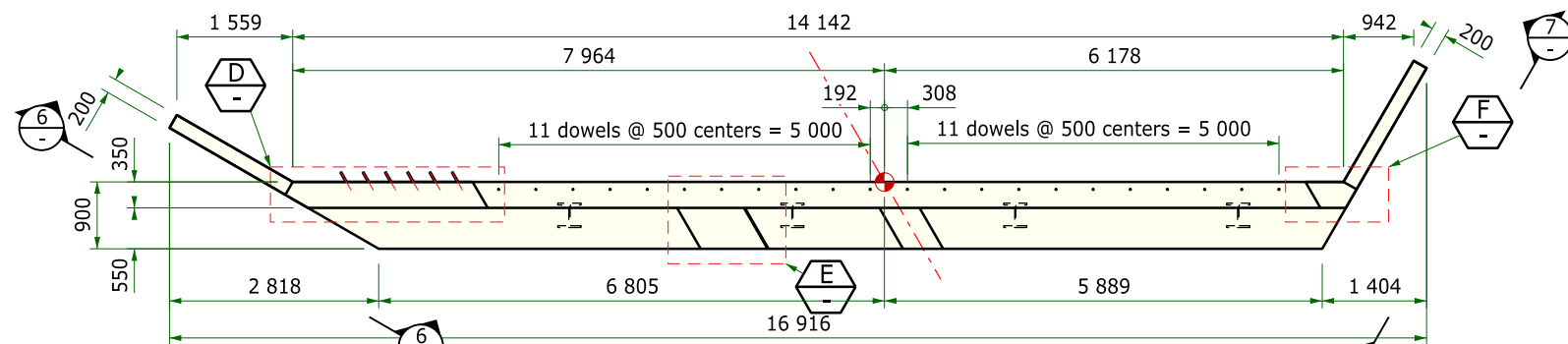
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20/08/2024 3:40:23 PM Ashley

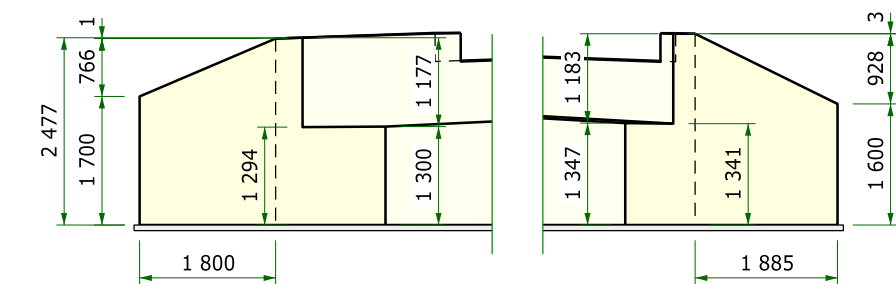
...1B2413 D07 Abutment Concrete Sheet B.dgn



ELEVATION - ABUTMENT B
1:100

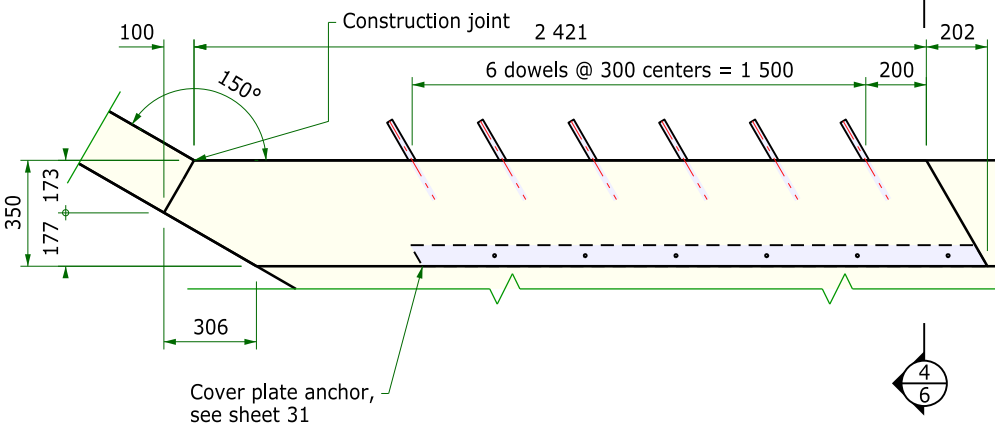


PLAN - ABUTMENT B
1:100

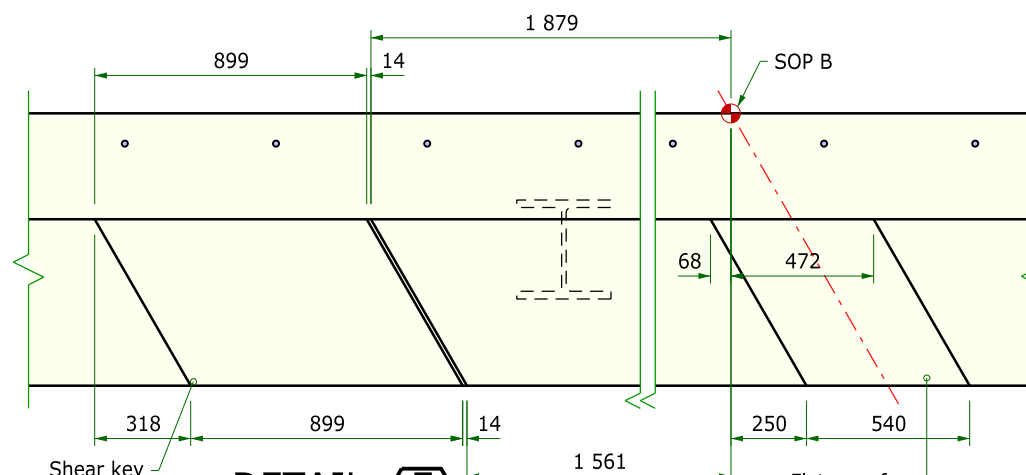


VIEW 6
1:100

VIEW 7
1:100



DETAIL D
1:25

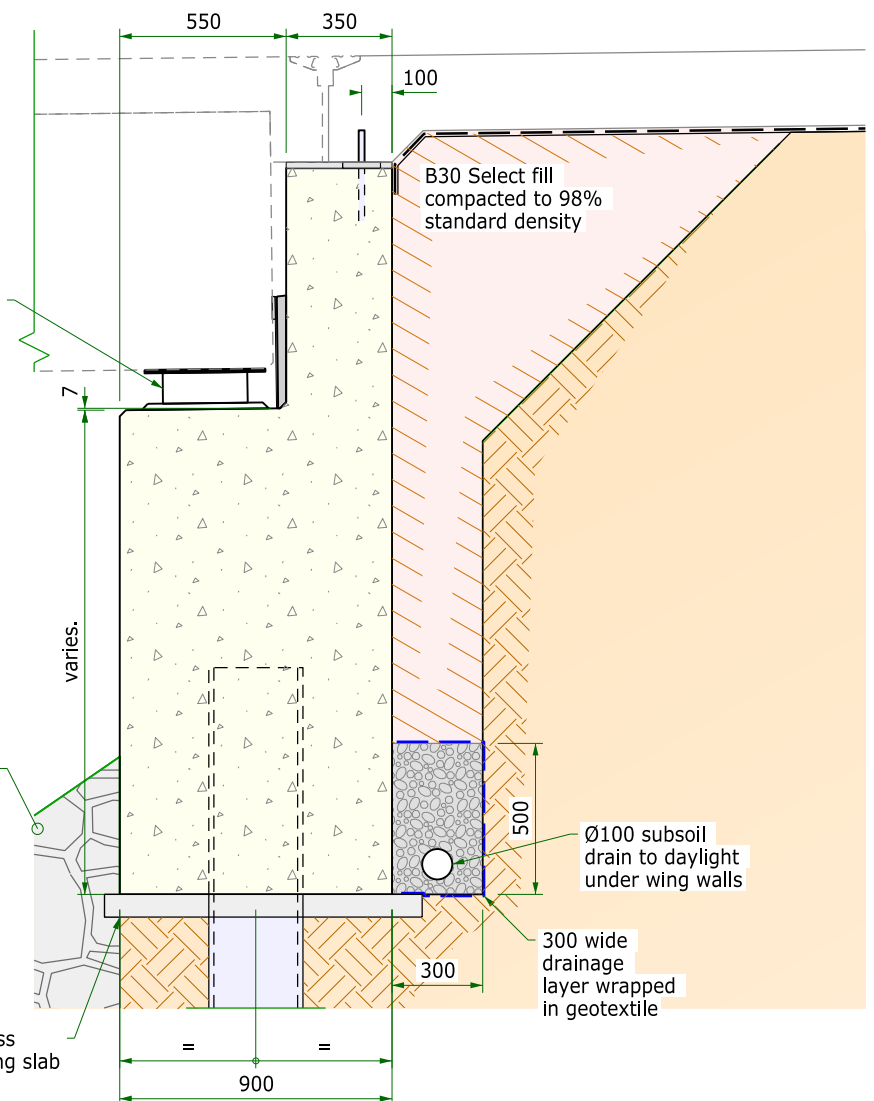


DETAIL E
1:25

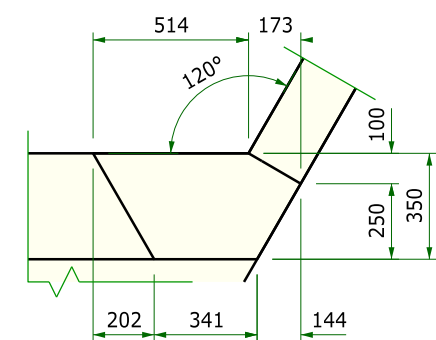
Elastomeric plate bearing
Layout and details, see sheet 14

Abutment scour protection,
see sheet 5

75 nominal mass
concrete working slab

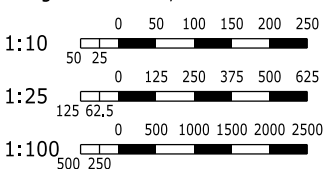


SECTION 5
1:25



DETAIL F
1:25

For general notes, see sheet 6



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DRAWING SCALES TRUE AT A3

SAUNDERS CIVILBUILD
INNOVATION | EXCELLENCE | GROWTH

Bridge Design
Pty Ltd
PO Box 9140, Wyoming, NSW 2250
ph 02 4322 0011
ABN 63 145 429 063

DESIGN: AJF
VERIFIED: -
DRAWING: BNC
CHECKED: AJF

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Abergalssyn Road/Melville Ford Road
MELVILLE FORD BRIDGE OVER THE HUNTER RIVER
at 4.21km north of HW9
ABUTMENTS
CONCRETE DETAILS SHEET B

JOB NUMBER	B2413
DOCUMENT NUMBER	D07
SHEET OF	7 33
REVISION	A2

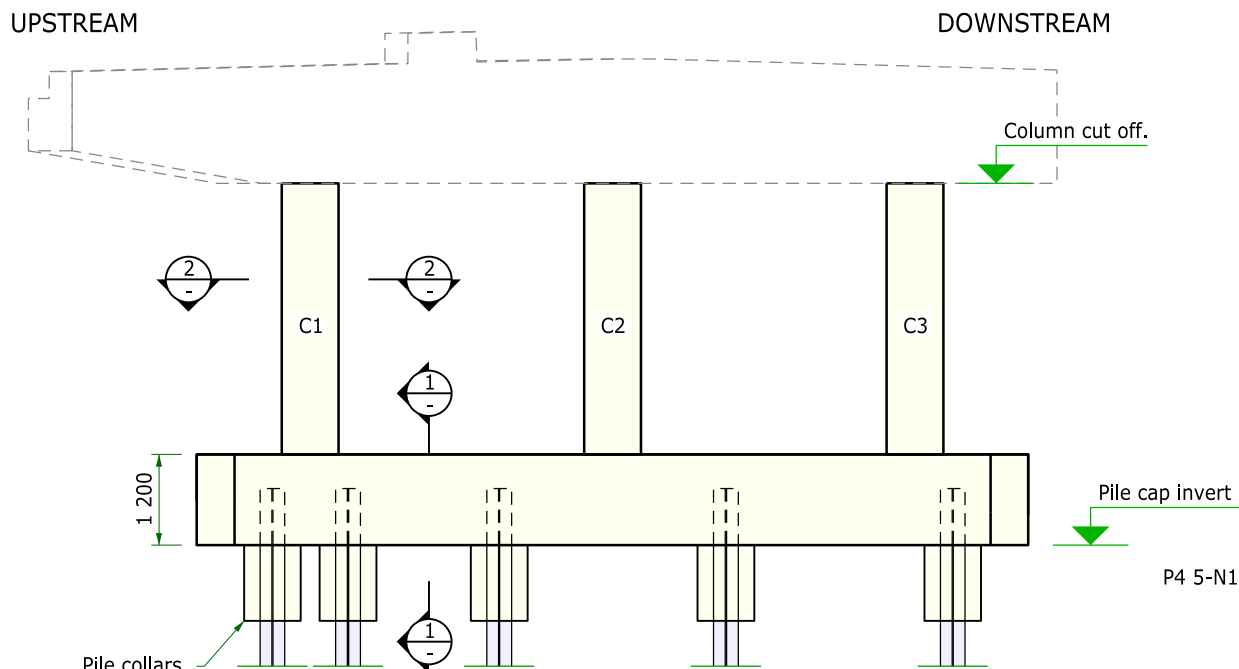
100mm on original

200mm on original

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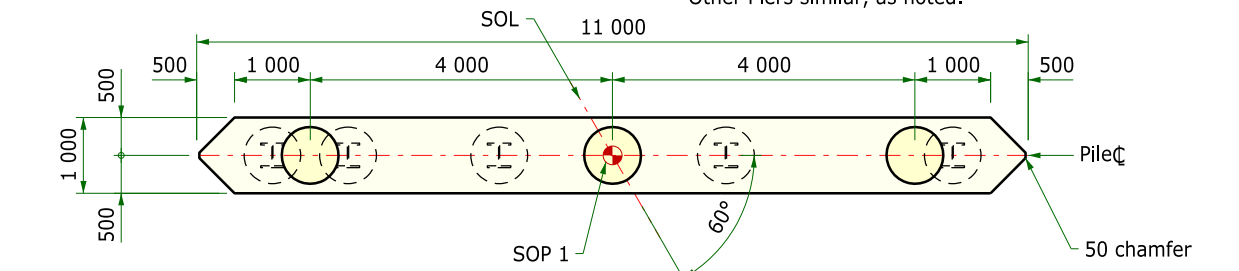
20/08/2024 3:44:09 PM Ashley

...1B2413 D10 Pier pile caps.dgn



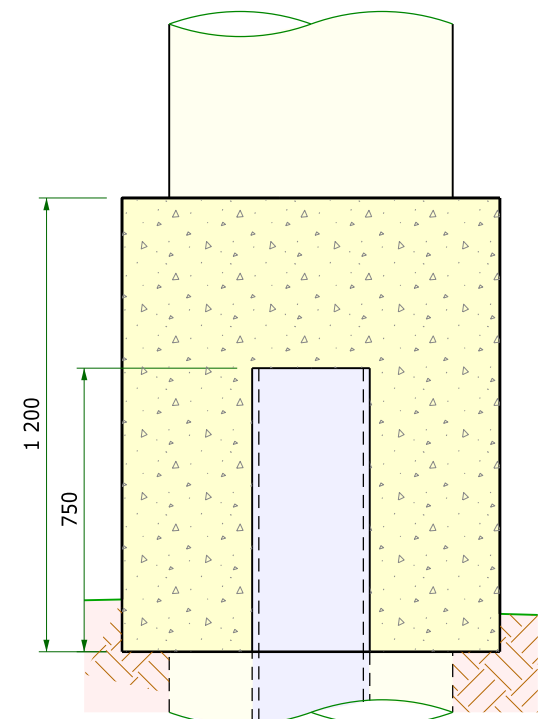
ELEVATION - CONCRETE

1:100 Pier 1 shown. Other Piers similar, as noted.



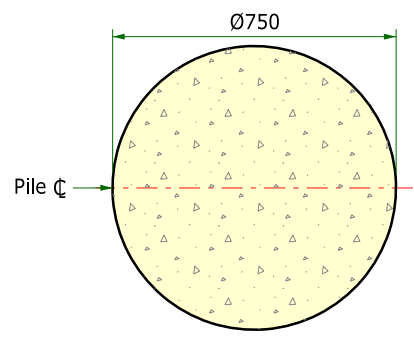
PLAN - CONCRETE

1:100



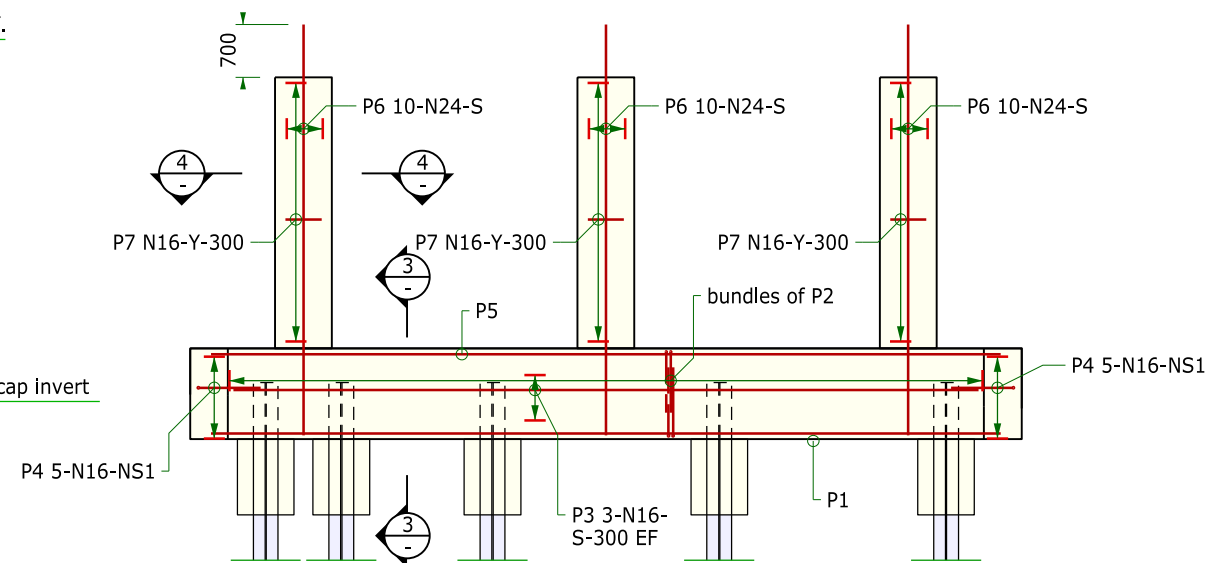
SECTION 1

1:20



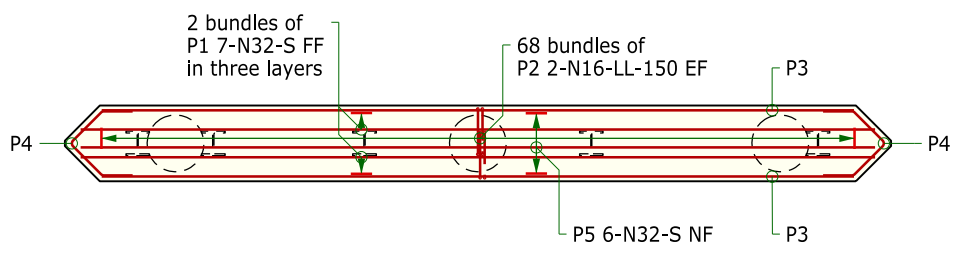
SECTION 2

1:20



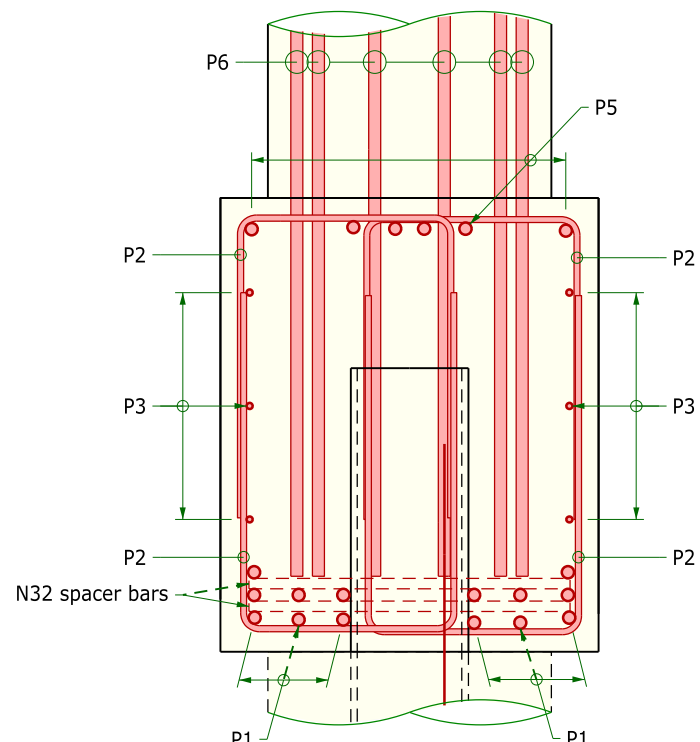
ELEVATION - REINFORCEMENT

1:100



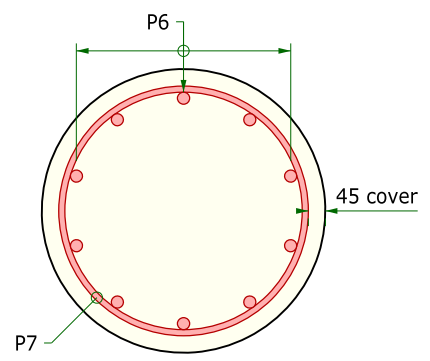
PLAN - REINFORCEMENT

1:100



SECTION 3

1:20



SECTION 4

1:20

General Notes

Dimensions in millimetres.
Concrete exposure classification B1.
Minimum 28 day compressive strength of concrete 40MPa.
Chamfer edges 20x20 and fillet re-entrant angles 20x20 USO.
NCF denotes no chamfer or fillet.
Nominal cover to reinforcement nearest to the concrete surface 75mm USO.
FF far face NF near face
EF each face LV length varies.
USO unless specified otherwise.
NSOP not shown on plan.
Lap lengths to be as follows USO:

Bar size	N12	N16	N20	N24	N28	N32
Horizontal bars with >300mm of concrete cast below the bar	450	600	...	1000	...	1 650
Other bars	350	470	...	770	...	1 260

Development length to be 100% of the lap length above USO.
Reinforcement may be displaced slightly to clear embedded objects, holes and recesses.



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Abergalssyn Road/Melville Ford Road
MELVILLE FORD BRIDGE OVER THE HUNTER RIVER
at 4.21km north of HW9
PIER PILE CAP AND COLUMNS
REINFORCED CONCRETE DETAILS

JOB NUMBER B2413
DOCUMENT NUMBER D10
SHEET 10 OF 33
REVISION A2

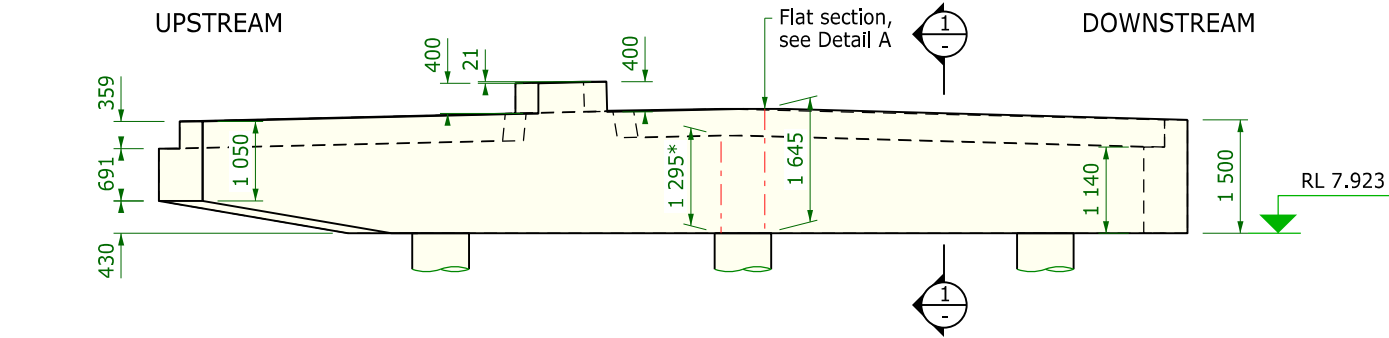
100mm on original

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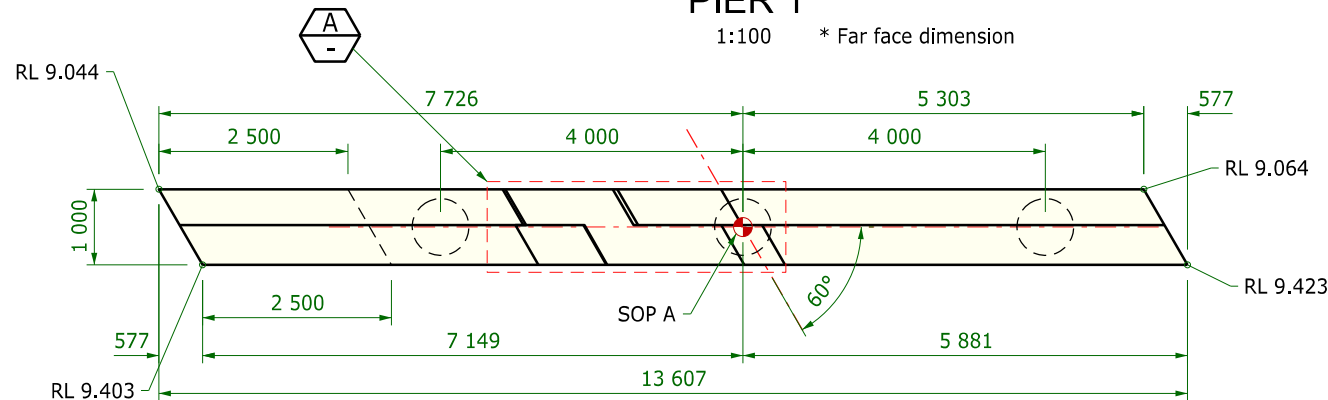
ben 2:52:13 PM 20/08/2024

...B2413 D11 Pier Headstocks sheet A.dgn



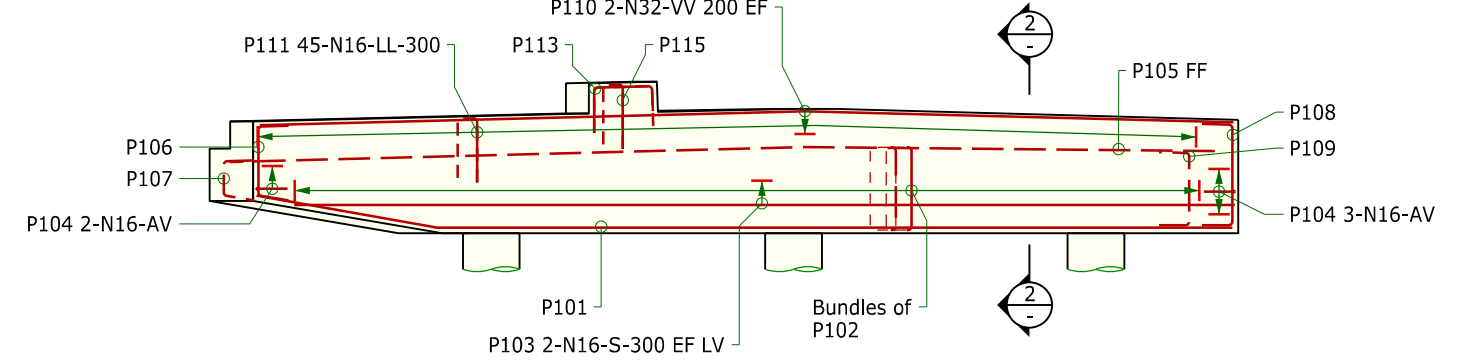
ELEVATION - CONCRETE
PIER 1

1:100 * Far face dimension



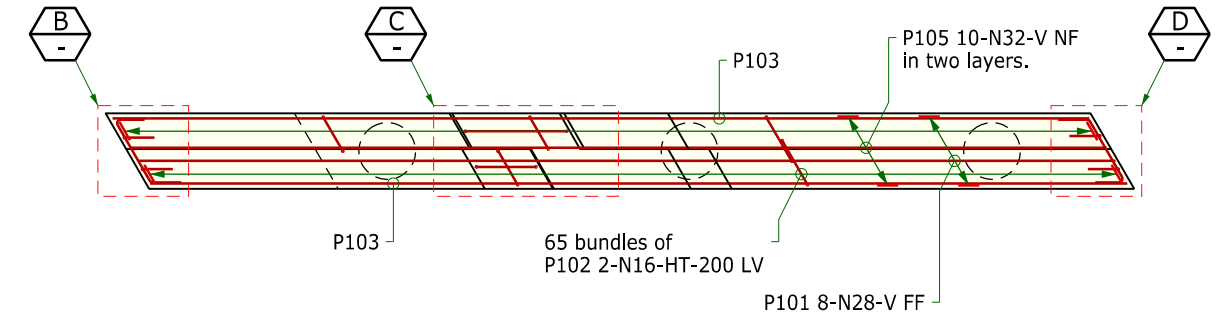
PLAN - CONCRETE
PIER 1

1:100



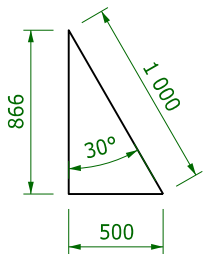
ELEVATION - REINFORCEMENT
PIER 1

1:100

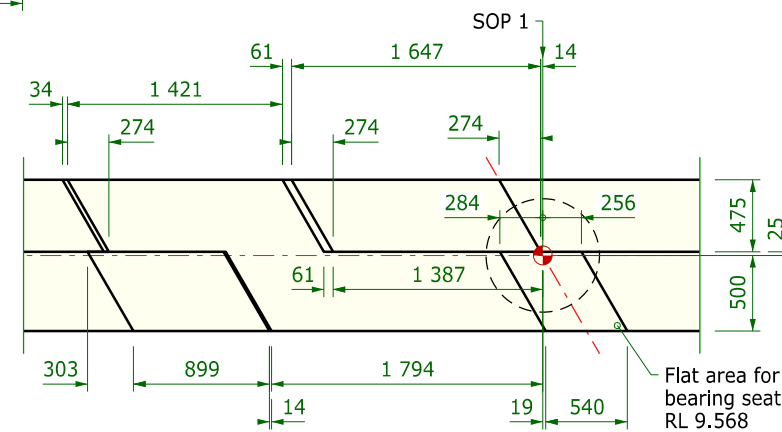


PLAN - REINFORCEMENT
PIER 1

1:100

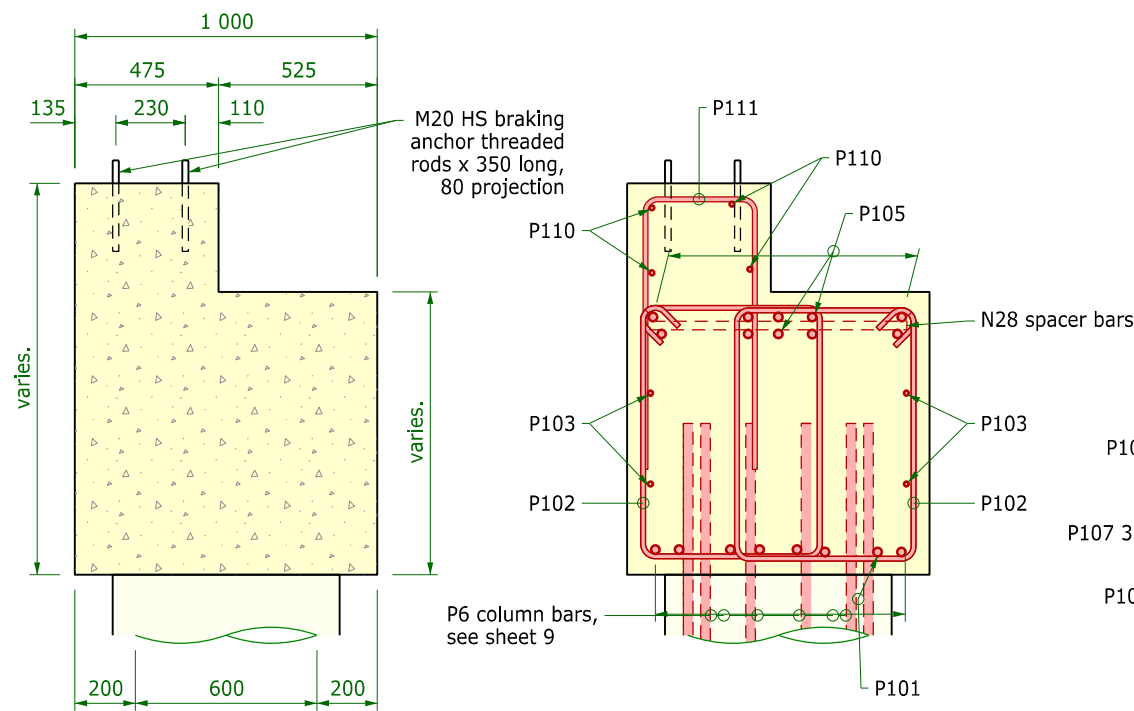


SKEW
DIAGRAM



DETAIL A

1:50

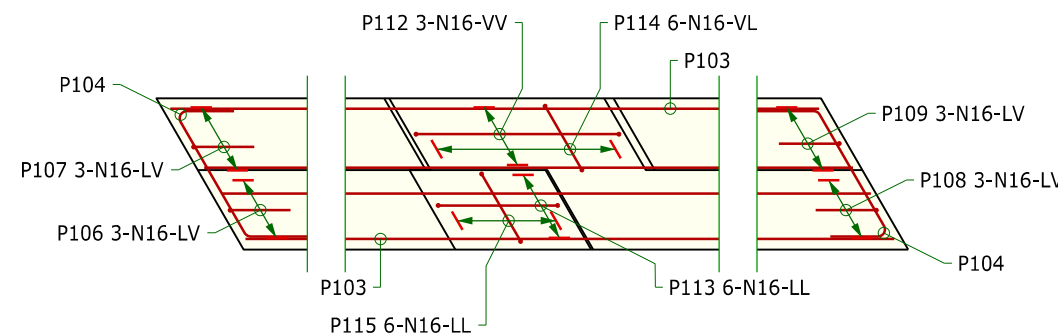


SECTION 1

1:25

SECTION 2

1:25



DETAIL B

1:50

DETAIL C

1:50

DETAIL D

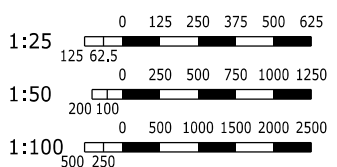
1:50

General Notes

Dimensions in millimetres.
Concrete exposure classification B1.
Minimum 28 day compressive strength of concrete 40MPa.
Chamfer edges 20x20 and fillet re-entrant angles 20x20 USO.
NCF denotes no chamfer or fillet.
Nominal cover to reinforcement nearest to the concrete surface 45mm USO.
FF far face NF near face
EF each face LV length varies.
USO unless specified otherwise.
NSOP not shown on plan.
Lap lengths to be as follows USO:

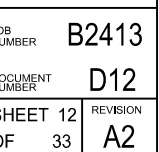
Bar size	N12	N16	N20	N24	N28	N32
Horizontal bars with >300mm of concrete cast below the bar	...	650	...	...	1580	2320
Other bars	...	500	...	...	1210	1490

Development length to be 100% of the lap length above USO.
Reinforcement may be displaced slightly to clear embedded objects, holes and recesses.



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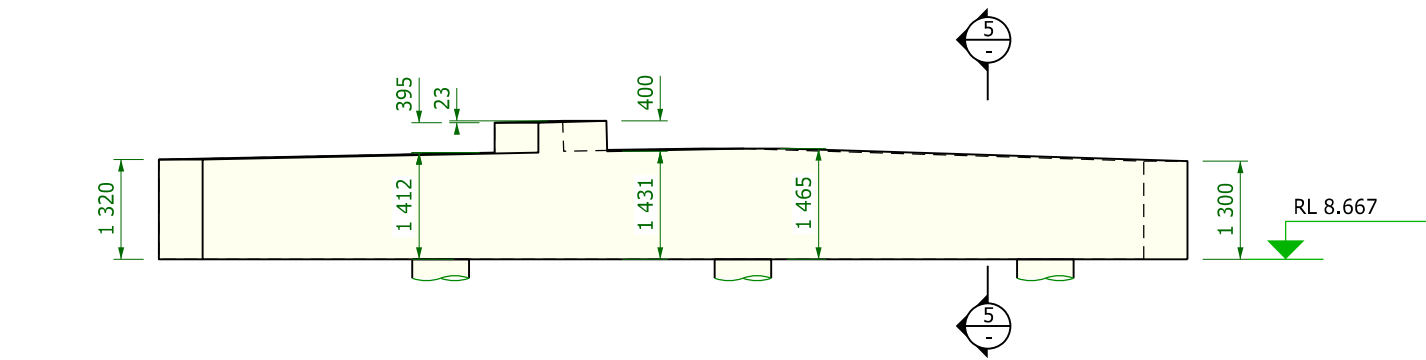


200mm on original

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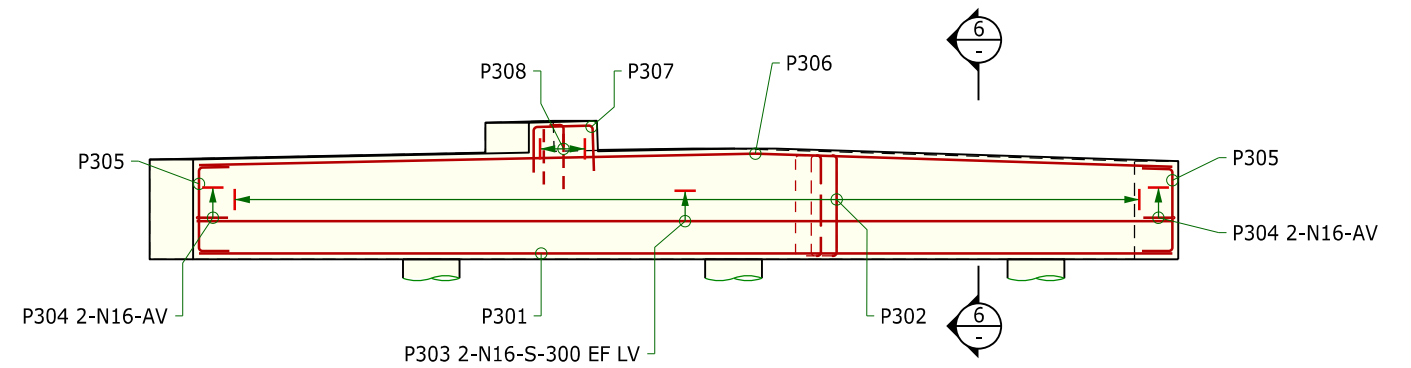
...1B2413 D13 Pier Headstocks sheet C.dgn

20/08/2024 3:08:42 PM ben



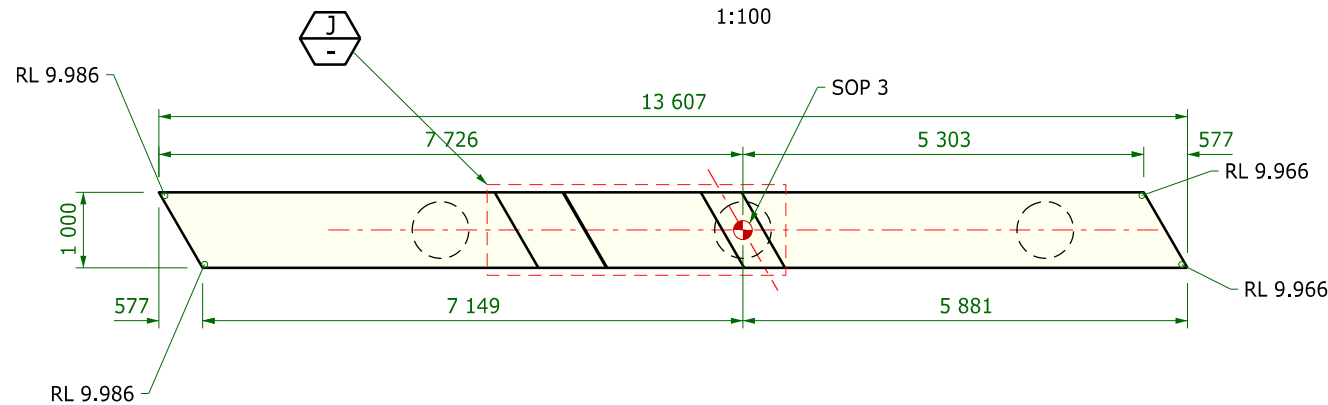
ELEVATION - CONCRETE

1:100



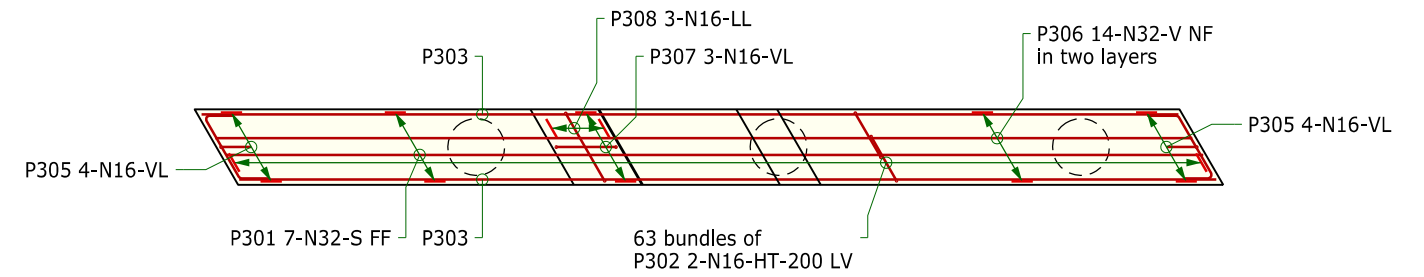
ELEVATION - REINFORCEMENT

1:100



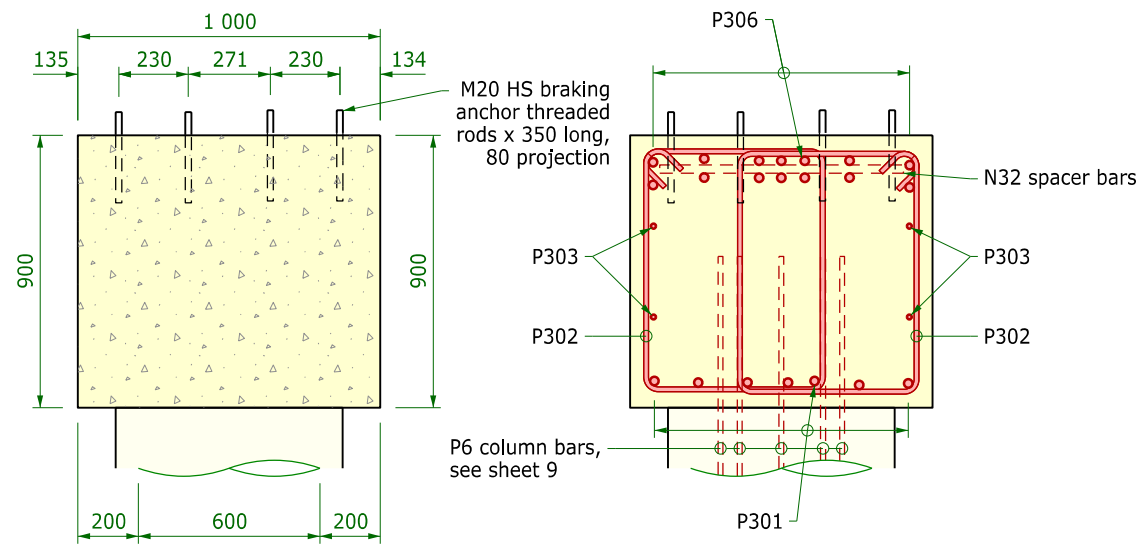
PLAN - CONCRETE

1:100



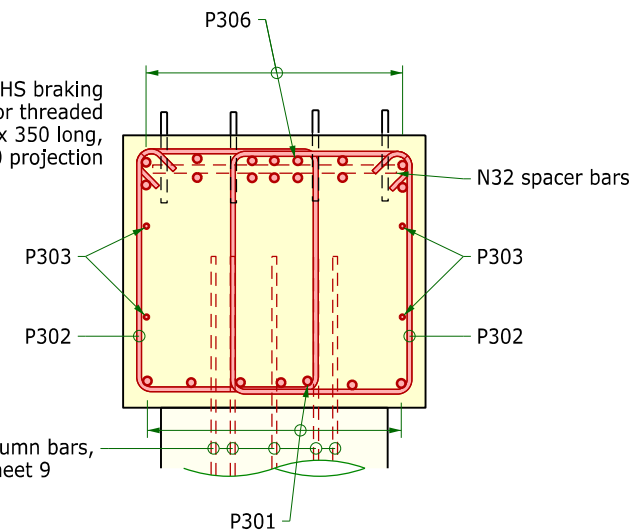
PLAN - REINFORCEMENT

1:100



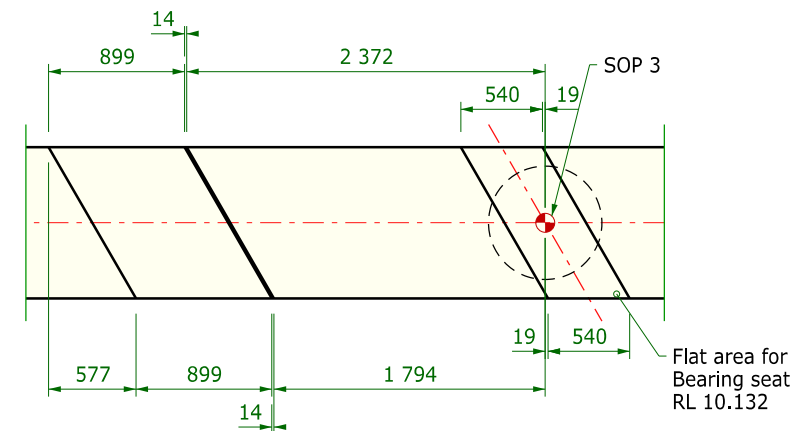
SECTION 5

1:25



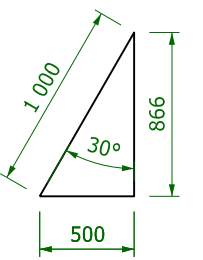
SECTION 6

1:25



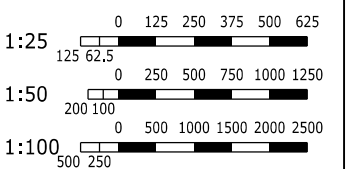
DETAIL J

1:50



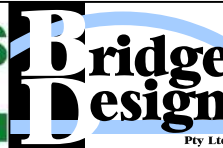
SKEW DIAGRAM

For general notes, see sheet 10



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Abergalssyn Road/Melville Ford Road
MELVILLE FORD BRIDGE OVER THE HUNTER RIVER
at 4.21km north of HW9
PIER HEADSTOCKS
REINFORCED CONCRETE DETAILS SHEET C

City of Maitland
JOB NUMBER B2413
DOCUMENT NUMBER D13
SHEET 13 OF 33
REVISION A2

100mm on original

200mm on original

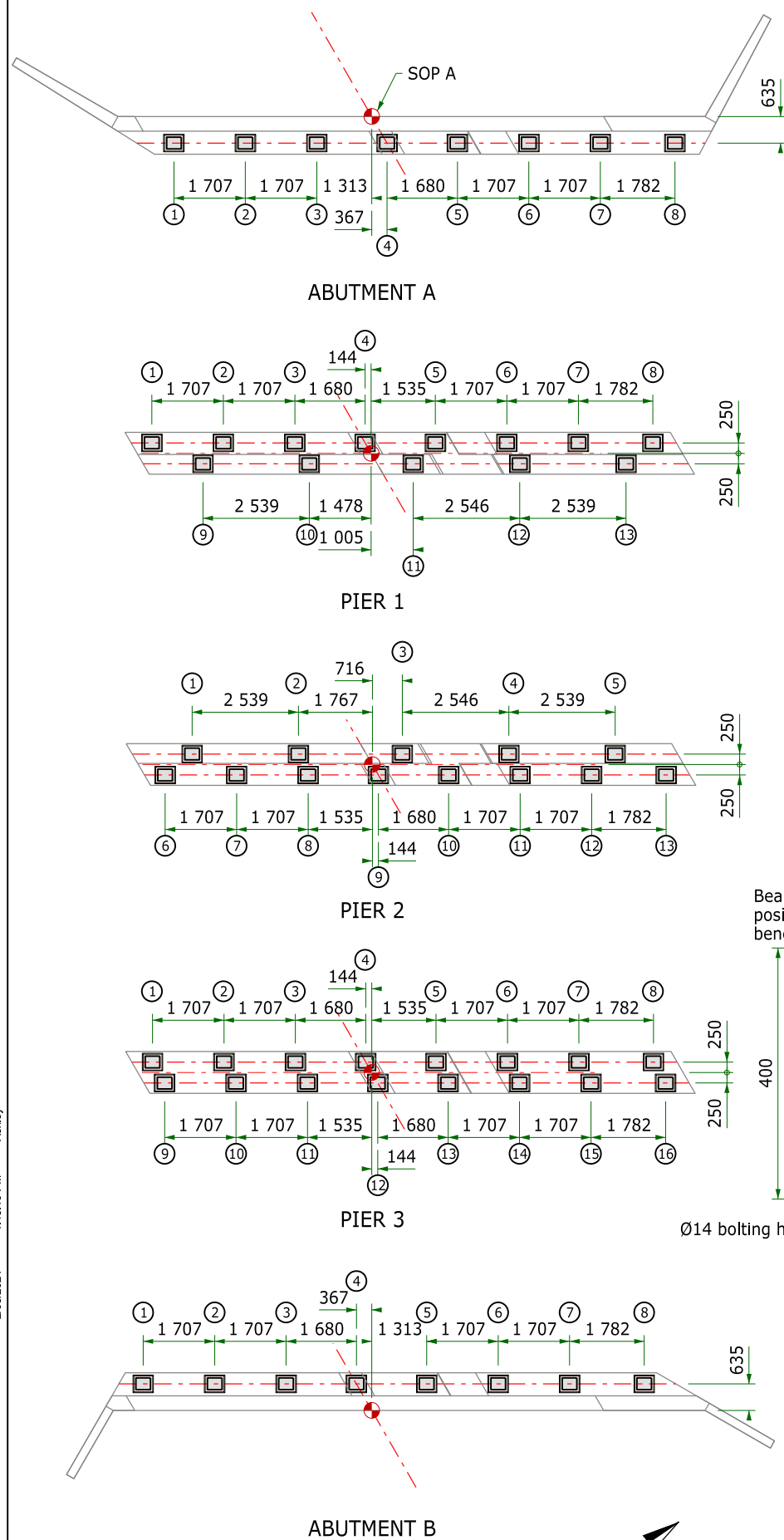
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Ashley

1:48:19 PM

20/08/2024

...B2413 D14 Bearings.dgn



BEARING LAYOUTS
1:150

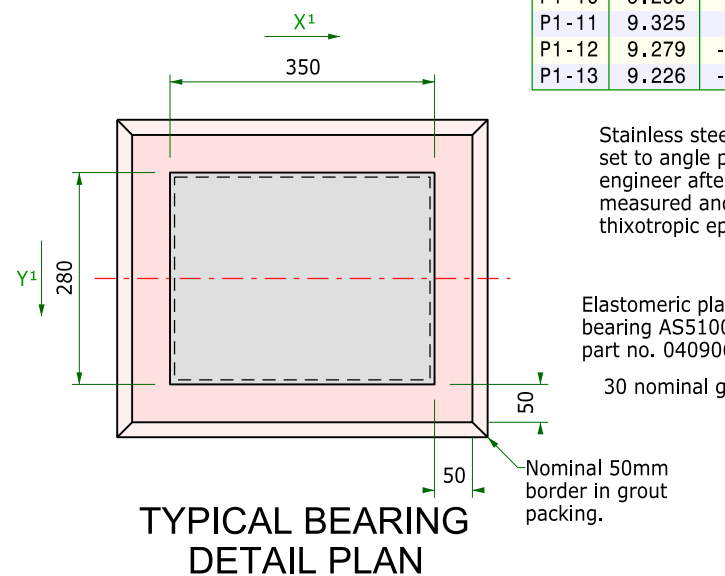
ABUTMENT A			
	RL	'X'	'Y'
PA-1	9.295	3.2	-2.6
PA-2	9.348	3.2	-2.6
PA-3	9.401	3.2	-2.6
PA-4	9.446	0.7	-1.1
PA-5	9.419	-1.9	0.4
PA-6	9.383	-1.9	0.4
PA-7	9.348	-1.9	0.4
PA-8	9.311	-11.9	0.4

PIER 1			
	RL	'X'	'Y'
P1-1	9.550	3.0	2.2
P1-2	9.603	3.0	2.2
P1-3	9.656	3.0	2.2
P1-4	9.702	0.4	-0.7
P1-5	9.674	-2.2	0.8
P1-6	9.638	-2.2	0.8
P1-7	9.603	-2.2	0.8
P1-8	9.566	-2.2	0.8
P1-9	9.220	3.2	-2.6
P1-10	9.299	3.2	-2.6
P1-11	9.325	0.8	-1.2
P1-12	9.279	-2.0	0.4
P1-13	9.226	-2.0	0.4

PIER 2			
	RL	'X'	'Y'
P2-1	9.527	3.0	-2.2
P2-2	9.606	3.0	-2.2
P2-3	9.632	0.6	-0.8
P2-4	9.586	-2.2	0.8
P2-5	9.533	-2.2	0.8
P2-6	9.869	3.2	-2.6
P2-7	9.922	3.2	-2.6
P2-8	9.975	3.2	-2.6
P2-9	10.021	0.7	-1.1
P2-10	9.993	-1.9	0.4
P2-11	9.957	-1.9	0.4
P2-12	9.922	-1.9	0.4
P2-13	9.885	-1.9	0.4

PIER 3			
	RL	'X'	'Y'
P3-1	10.113	3.0	-2.2
P3-2	10.166	3.0	-2.2
P3-3	10.220	3.0	-2.2
P3-4	10.265	0.4	-0.7
P3-5	10.237	-2.2	0.8
P3-6	10.202	-2.2	0.8
P3-7	10.166	-2.2	0.8
P3-8	10.129	-2.2	0.8
P3-9	10.119	3.2	-2.6
P3-10	10.172	3.2	-2.6
P3-11	10.226	3.2	-2.6
P3-12	10.271	0.7	-1.1
P3-13	10.243	-1.9	0.4
P3-14	10.208	-1.9	0.4
P3-15	10.172	-1.9	0.4
P3-16	10.135	-1.9	0.4

ABUTMENT B			
	RL	'X'	'Y'
PB-1	10.353	3.0	-2.2
PB-2	10.406	3.0	-2.2
PB-3	10.459	3.0	-2.2
PB-4	10.505	0.4	-0.7
PB-5	10.477	-2.2	0.8
PB-6	10.441	-2.2	0.8
PB-7	10.406	-2.2	0.8
PB-8	10.369	-2.2	0.8



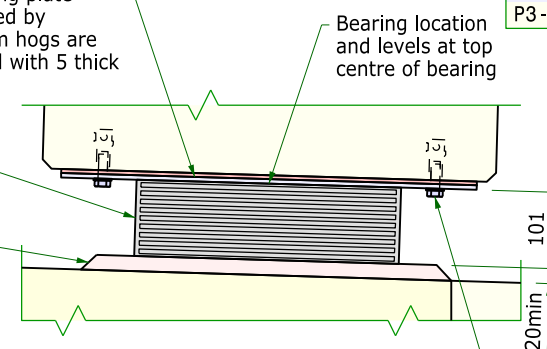
TYPICAL BEARING
DETAIL PLAN
1:10 See table for values

Stainless steel sliding plate -
set to angle provided by
engineer after beam hogs are
measured and filled with 5 thick
thixotropic epoxy

Elastomeric plate
bearing AS5100.4
part no. 040906R

30 nominal grout

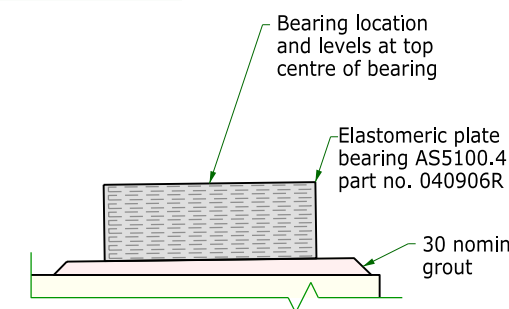
Nominal 50mm
border in grout
packing.



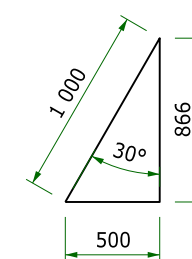
ABUTMENTS

M12x35 grade 316
stainless steel screws
and washers

BEARING ELEVATIONS
1:10



PIERS



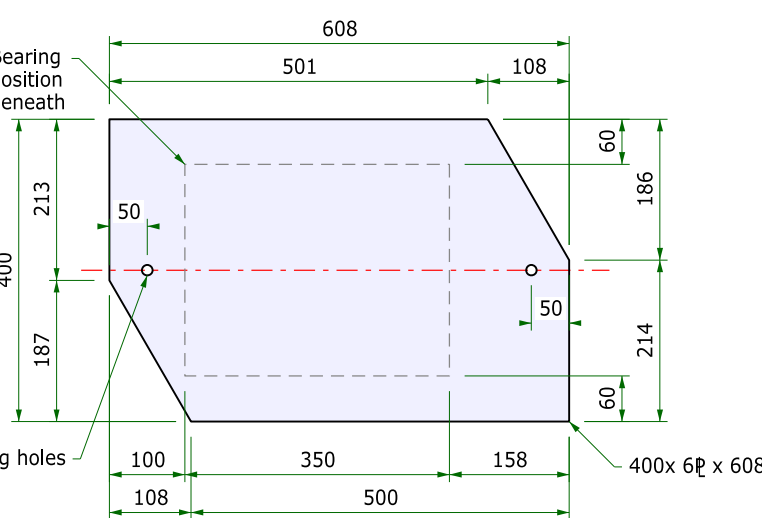
SKEW
DIAGRAM

General Notes

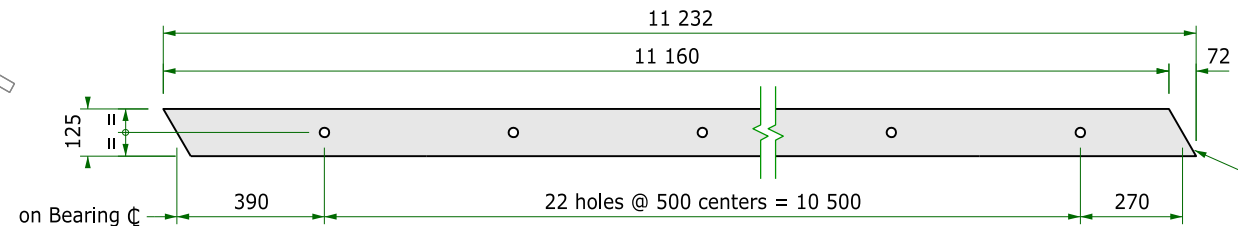
Dimensions in millimetres.
Chainages and reduced levels in metres.
Reduced levels are to AHD datum.
SOL denotes set out line.

BEARING INSTALLATION

Not more than 7 days before forming bearing pads obtain the average slope of the beams at the bearing points with a level able to read to an accuracy of 0.1%. If this varies from the anticipated 28 day value the slope of the mortar pads given on sheet 4 are to be adjusted for the difference. Where the same type of beam is installed at more than one location and end slopes vary, mark each girder and assign it to a location before making this adjustment.
Construct mortar pads with a surface suitable for fixity by friction in accordance with the requirements of TfNSW Specification B284.



BEARING PLATE
1:10 16 off required



APPROACH SLAB BEARING
1:50 2 off required, as shown.

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DRAWING SCALES TRUE AT A3



DESIGN: AJF
VERIFIED: -
DRAWING: BNC
CHECKED: AJF

DIRECTOR, BRIDGE DESIGN PTY LTD
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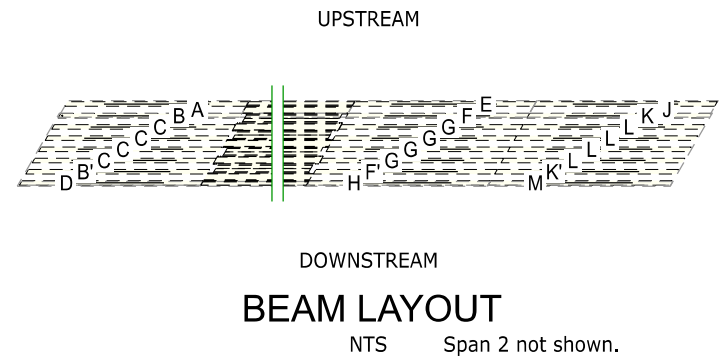
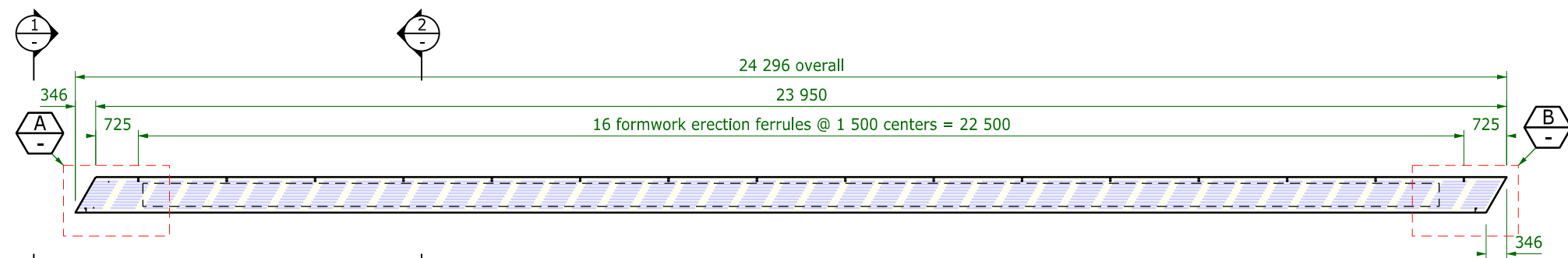
Aberglaslyn Road/Melville Ford Road
MELVILLE FORD BRIDGE OVER THE HUNTER RIVER
at 4.21km north of HW9
BEARINGS
INSTALLATION AND DETAILS

City of Maitland
JOB NUMBER B2413
DOCUMENT NUMBER D14
SHEET 14 OF 33
REVISION A2

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ben 6:03:32 PM 1/08/2024

...1B2413 D16 PS Beam concrete.dgn



Beam mark	# off	Ferrules	Beam mass (T)	Prestressing Force (kN)	Debonding at:		Beam Hog		
					7000 ¹	full ¹	transfer (mm)	30 day (mm)	30 day end rotation (%)
A	1	FW	20.1	170kN	□	△	26	31	0.7
B	1	BA, FW	20.1	170kN	□	△	32	37	0.8
C	5	FW	20.1	170kN	□	○	32	37	0.8
D	1	FW	20.1	170kN	□	△	26	31	0.7
E	1	FW	20.1	170kN	□	△	26	31	0.7
F	1	BA, FW	20.1	170kN	□	△	32	37	0.8
G	5	FW	20.1	170kN	□	○	32	37	0.8
H	1	FW	20.1	170kN	□	△	26	31	0.7
J	1	FW	20.1	170kN	□	△	26	31	0.7
K	1	BA, FW	20.1	170kN	□	△	32	37	0.8
L	5	FW	20.1	170kN	□	○	32	37	0.8
M	1	FW	20.1	170kN	□	△	26	31	0.7

TABLE 1 - BEAM DATA

BA denotes Beam Anchor, FW denotes formwork. See View 1.

General Notes

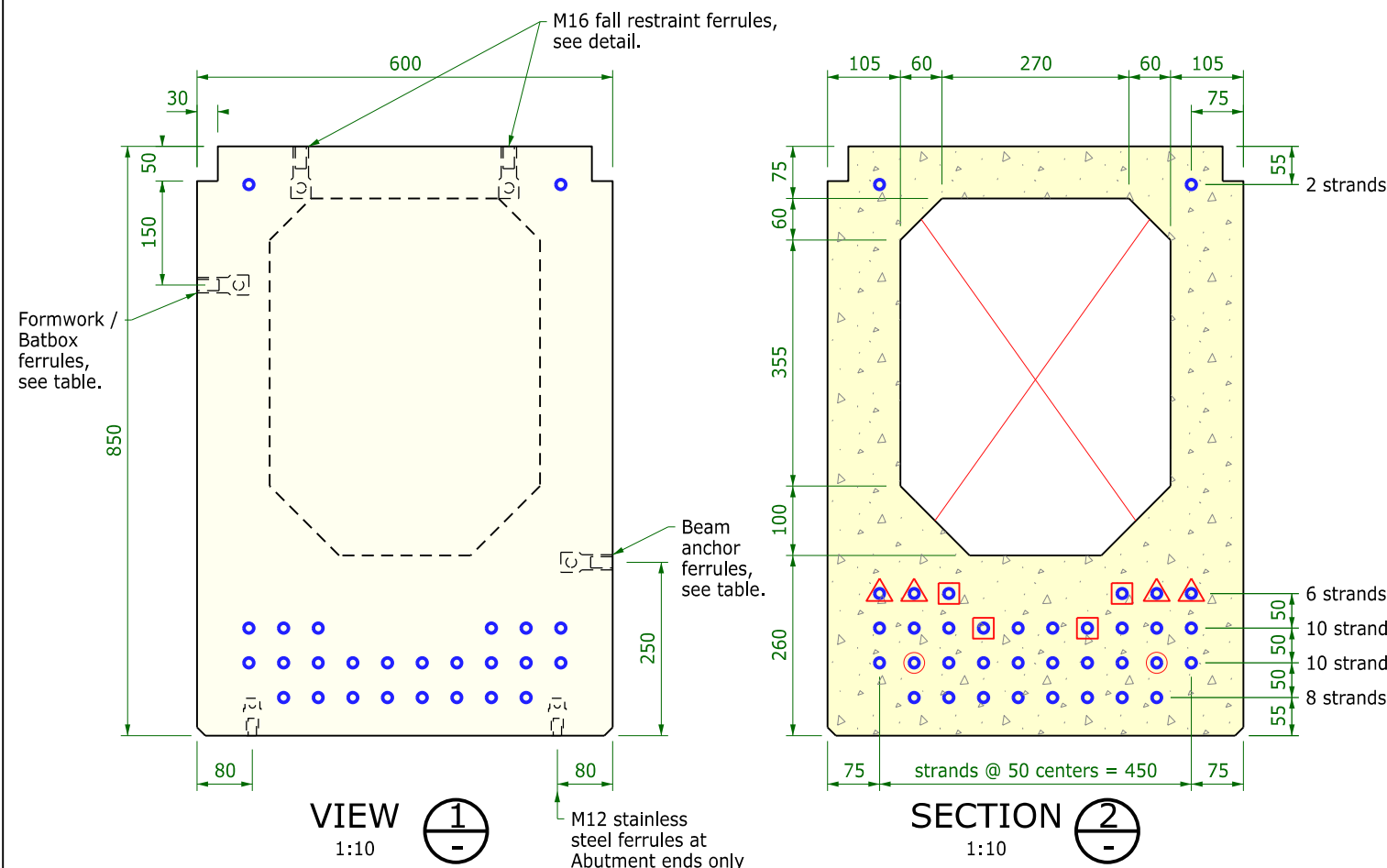
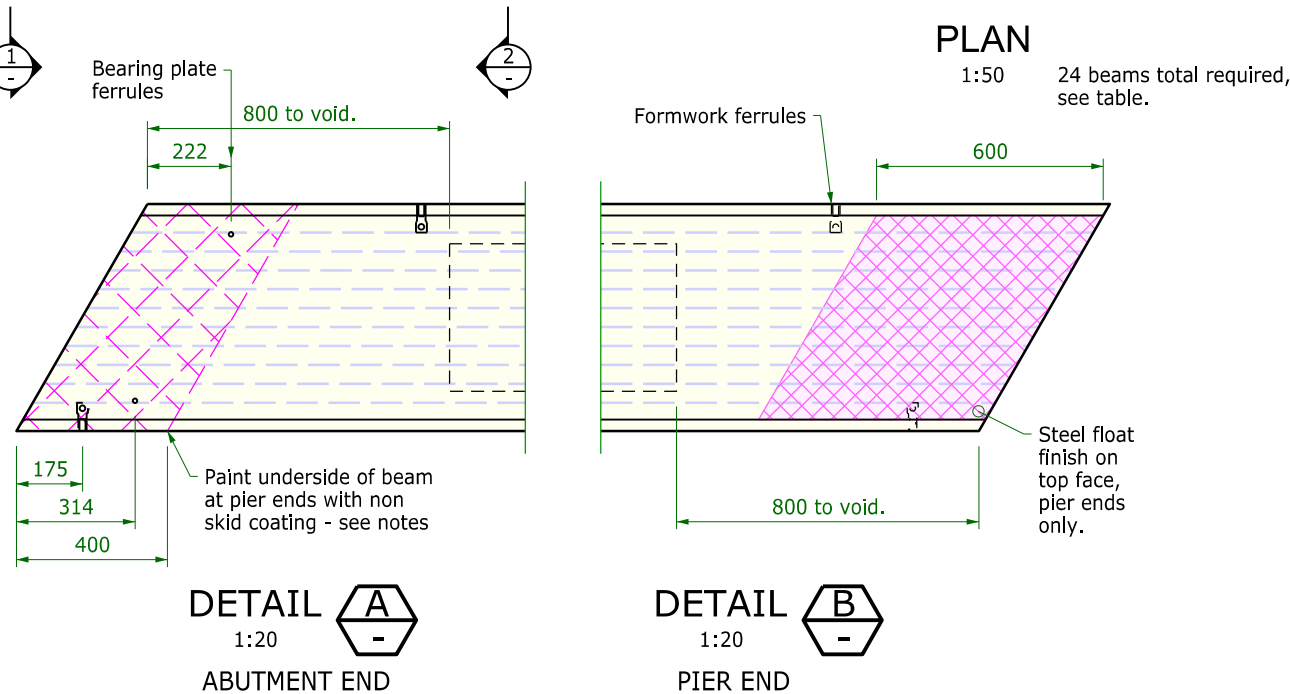
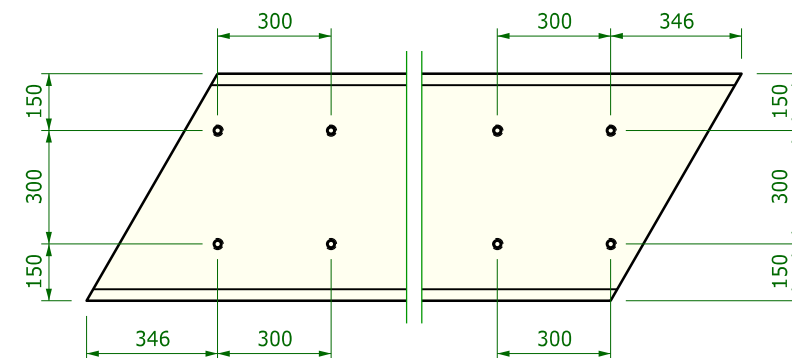
Dimensions in millimetres.
Concrete exposure classification: B1.
Minimum 28 day compressive strength of concrete 50MPa.
Beams manufactured to MRTS73.

Prestressing Notes

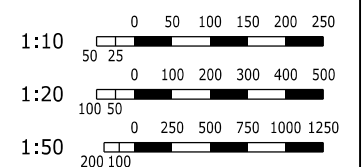
Minimum compressive strength of concrete at transfer 35MPa.
Strands to be AS/NZS 4672.1 7-wire ordinary-15.2-1830-relax 2.
The force remaining in each strand at midspan of the beam immediately after tensioning shall be as shown in table 1.
Cut strands flush with the end of the beam and seal exposed strands against corrosion with 3 coats epoxy resin, min 0.3mm each coat - MEGAPOXY H THIXOTROPIC or equivalent.
The calculated hogs of the beams given in Table 1 assume:-
- Concrete density = 2550kg/m³
- Elastic modulus at transfer = 25,000MPa
- Steam curing in accordance with MRTS70
- Storage in open air, after steam curing, at 20°C
- Average temperature and relative humidity in range of 50%-75%
- No loads except beam self weight.

Non-skid Coating

Make up non skid coating with Megapoxyc MC and Vivacity supplied 0.5mm sand.
Mix in the ratio of 250g of sand per 5kg pack of Megapoxyc MC.
Apply mixture to underside of beam not more than 90 minutes after mixing.
Prepare surface by cleaning in accordance with the TDS, however the laitance is to be left intact.



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- Steel float finish on top face, both ends.



Strip laitance on diaphragm beam contact area, both ends.



Dimensions in millimetres.
Concrete exposure classification: B1.
Minimum 28 day compressive strength of concrete 50MPa.
Alphabetical beam labels 'I', 'N', & 'O' not used, for visual clarity of labelling.
Mass of beams is 47.8t

Minimum compressive strength of concrete at transfer 35MPa.
Strands to be AS/NZS 4672.1 7-wire
ordinary-15.2-1830-relax 2.

The force remaining in each strand at midspan of the beam immediately after tensioning shall be 180kN.

Cut strands flush with the end of the beam and seal exposed strands against corrosion with 3 coats epoxy resin, min 0.3mm each coat - MEGAPOXY H THIXOTROPIC or equivalent.

The calculated hogs of the beams given in Table 1 assume:-

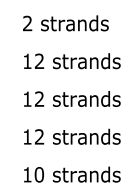
- Concrete density = 2550kg/m³
- Elastic modulus at transfer = 25,000MPa
- Steam curing in accordance with MRTS70
- Storage in open air, after steam curing, at 20°C
- Average temperature and relative humidity in range of 50%-75%
- No loads except beam self weight.

Expected hog:
transfer 32mm
30 day 38mm
expected 30 day end rotation 0.6%

Make up non skid coating with Megapoxyc MC and Vivacity supplied 0.5mm sand.
Mix in the ratio of 250g of sand per 5kg pack of Megapoxyc MC.
Apply mixture to underside of beam not more than 90 minutes after mixing.
Prepare surface by cleaning in accordance with the TDS, however the laitance is to be left intact.

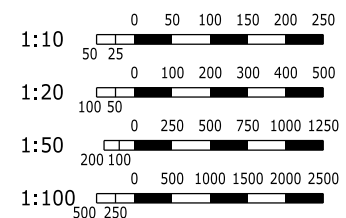


Ø20 formwork holes,
see table 2, sheet 17.



☒ Debonded 7 300

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DRAWING SCALES TRUE AT A3

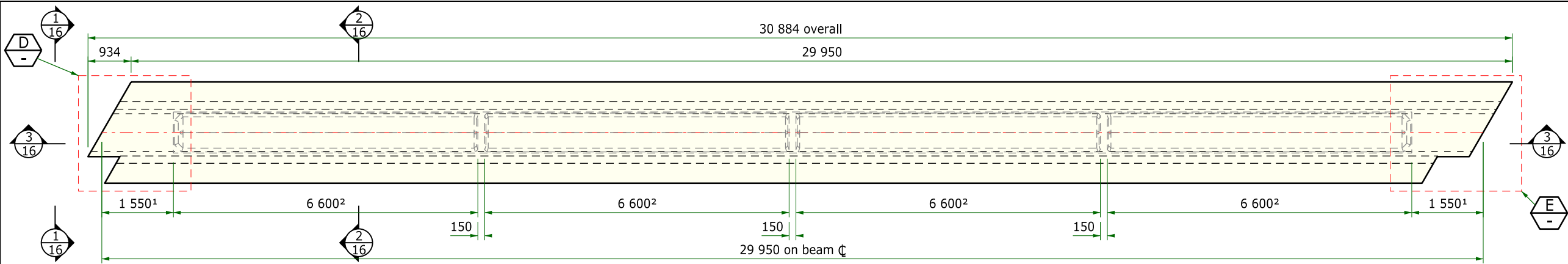
Abergalssyn Road/Melville Ford Road City of Maitland
MELVILLE FORD BRIDGE OVER THE HUNTER RIVER
 at 4.21km north of HW9
SUPER TEE GIRDER
CONCRETE DETAILS

JOB NUMBER	B2413
DOCUMENT NUMBER	D17
SHEET 17 OF 33	REVISION A2

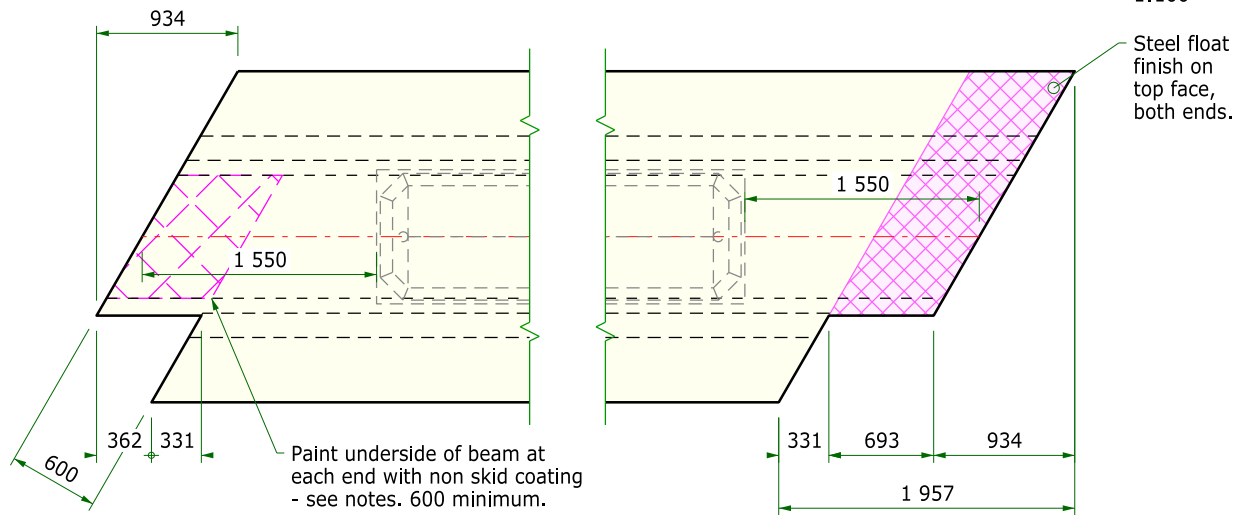
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20/08/2024 12:43:31 PM Ashley

...1B2413 D18 Super T Concrete sheet B.dgn



PLAN - BEAM P
1:100



DETAIL D
1:50

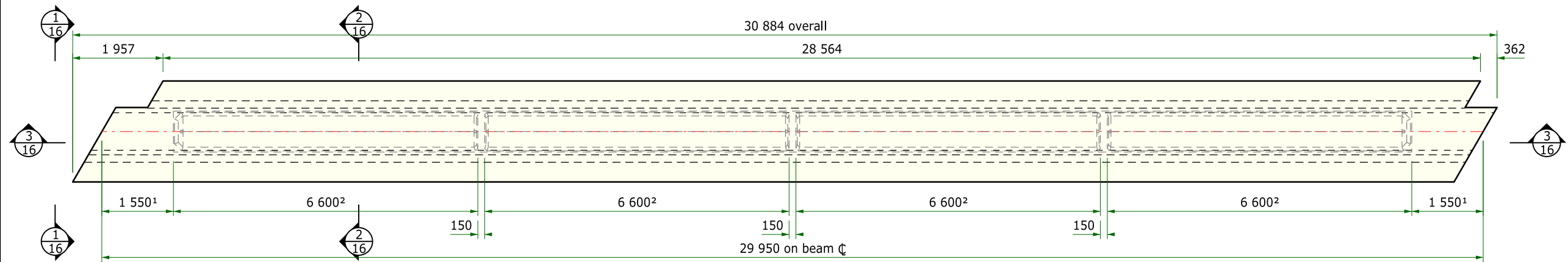
DETAIL E
1:50

Details and dimensions to match on Beam S.

Beam mark	# off	Holing
P	1	FW
Q	3	-
R	1	FW

TABLE 2 - BEAM DATA

FW denotes formwork. See Section 2.



PLAN - BEAM S
1:100

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DRAWING: BNC
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SUPER TEE GIRDER
CONCRETE DETAILS

JOB NUMBER	B2413
DOCUMENT NUMBER	D18
SHEET OF	18 OF 33
REVISION	A2

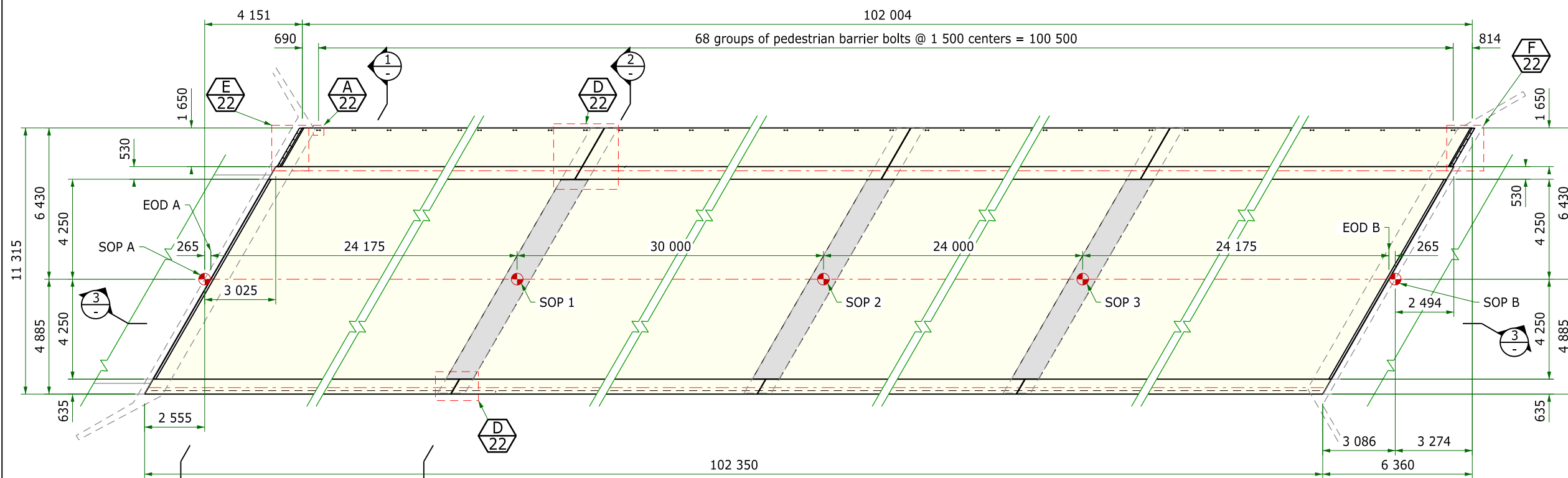
100mm on original

200mm on original

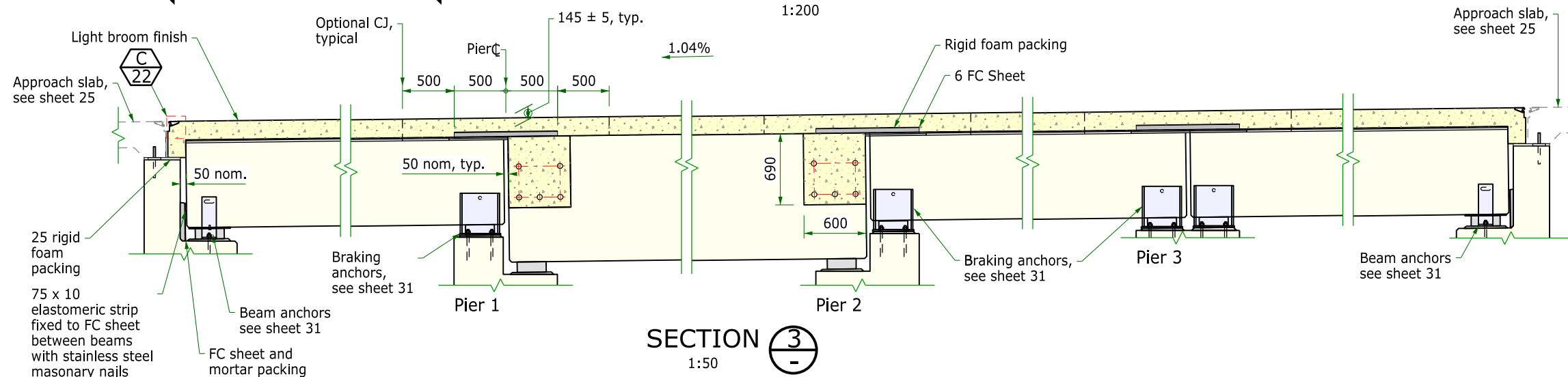
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26/07/2024 3:33:54 PM Ashley

...1B2413 D20 Deck Concrete - Sheet A.dgn

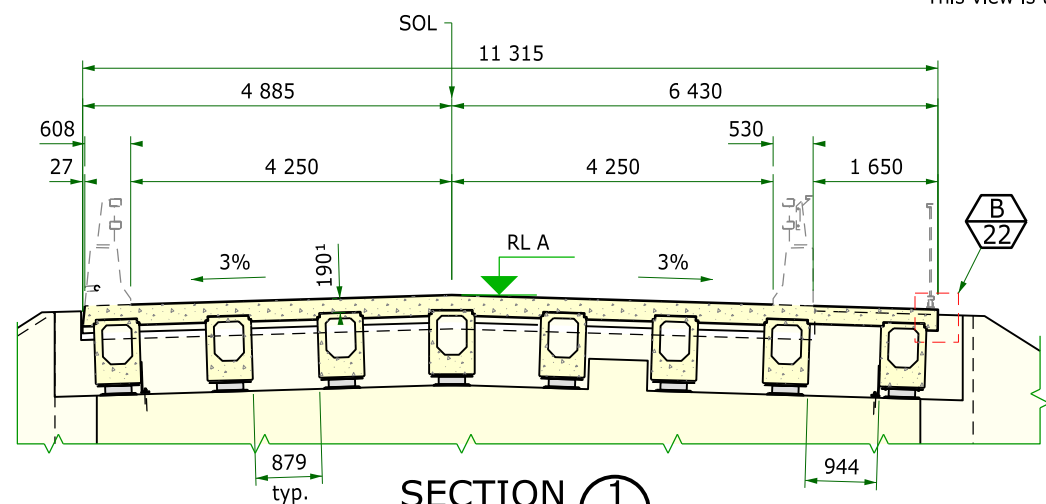


PLAN
1:200

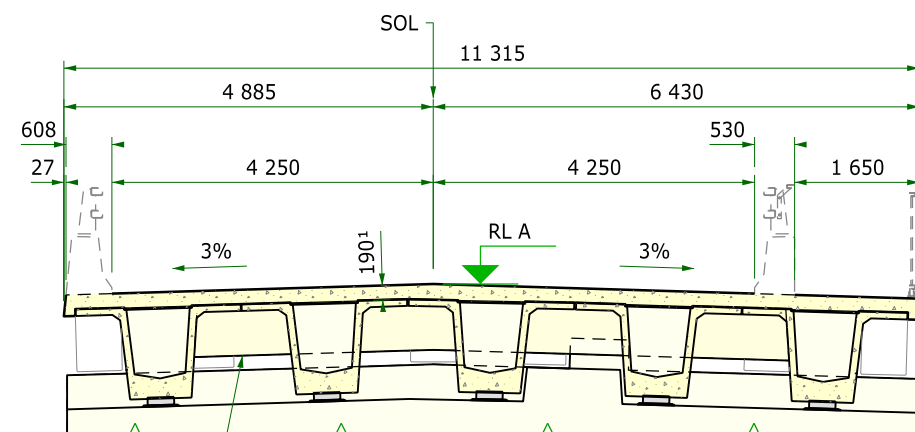


SECTION 3
1:50

This view is taken perpendicular to the bridge Skew



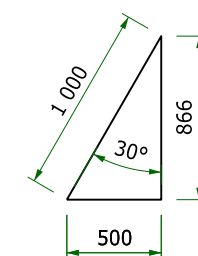
SECTION 1
1:50



SECTION 2
1:50

	ch	RL A
SOP A	259.575	10.497
EOD A	259.84	10.500
	260	10.501
	265	10.553
	270	10.606
	275	10.658
	280	10.710
SOP 1	284.015	10.752
	285	10.762
	290	10.814
	295	10.866
	300	10.919
	305	10.971
	310	11.023
SOP 2	314.015	11.065
	315	11.075
	320	11.127
	325	11.179
	330	11.232
	335	11.284
SOP 3	338.015	11.315
	340	11.336
	345	11.388
	350	11.440
	355	11.492
	360	11.545
EOD B	362.19	11.567
SOP B	362.455	11.570

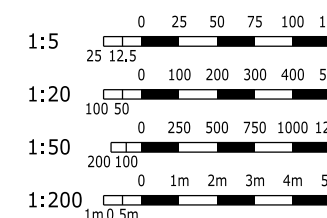
TABLE 1 -
DECK LEVELS



SKIEW
DIAGRAM

General Notes

Dimensions in millimetres.
Concrete exposure classification B1.
Minimum 28 day compressive strength of concrete 40 MPa.
Chamfer edges 20 x 20 and fillet re-entrant angles 20x20 USO.
NCF denotes no chamfer or fillet.
USO unless specified otherwise.
1 Dimension at abutments and Piers. Deck thickness varies to suit beam hogs. Minimum 150.



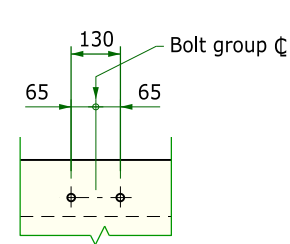
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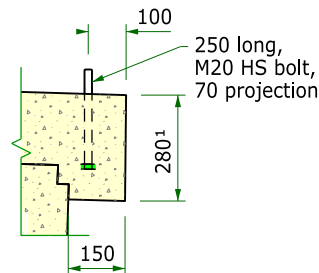
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26/07/2024 2:59:05 PM Ashley

...1B2413 D21 Deck Concrete - Sheet B.dgn

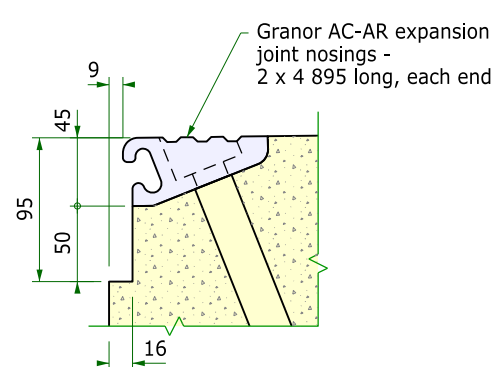


DETAIL A
1:20

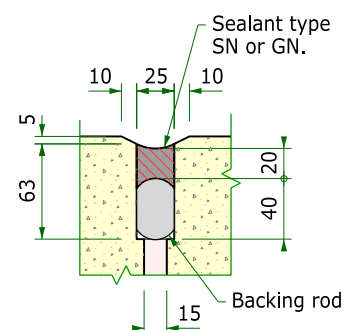


DETAIL B
1:20

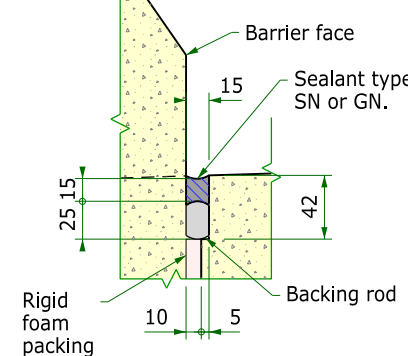
¹ Measured at abutments.
Dimension will vary with beam hog,
Minimum; 250.



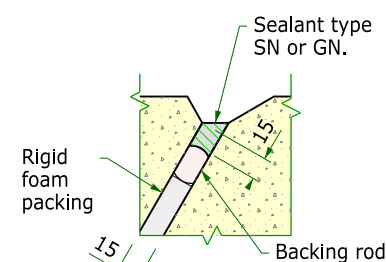
DETAIL C
1:5



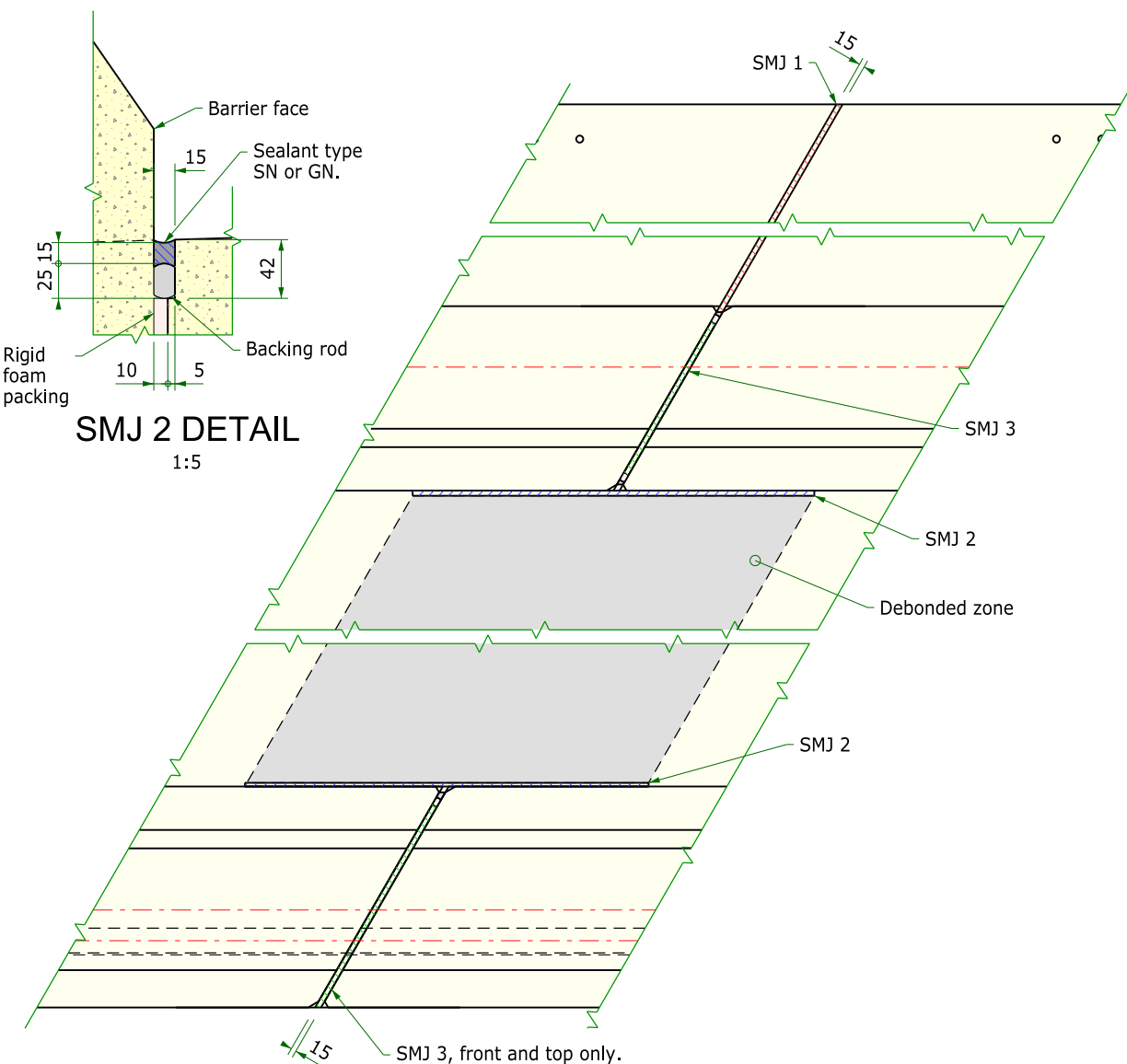
SMJ 1 DETAIL
1:5



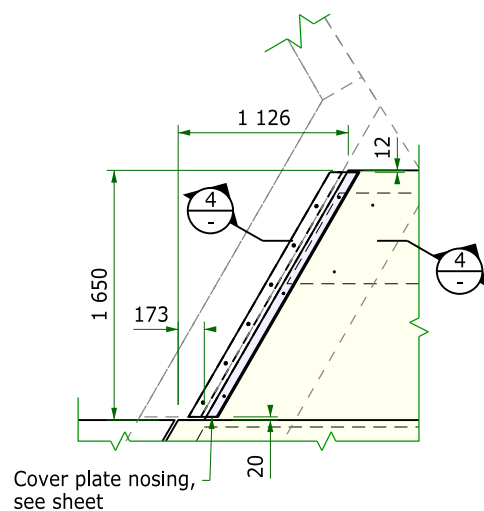
SMJ 2 DETAIL
1:5



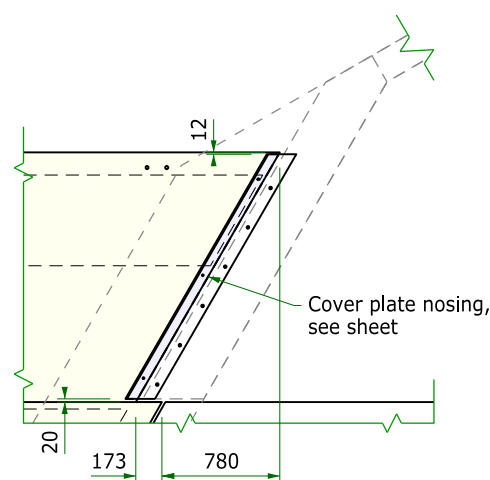
SMJ 3 DETAIL
1:5



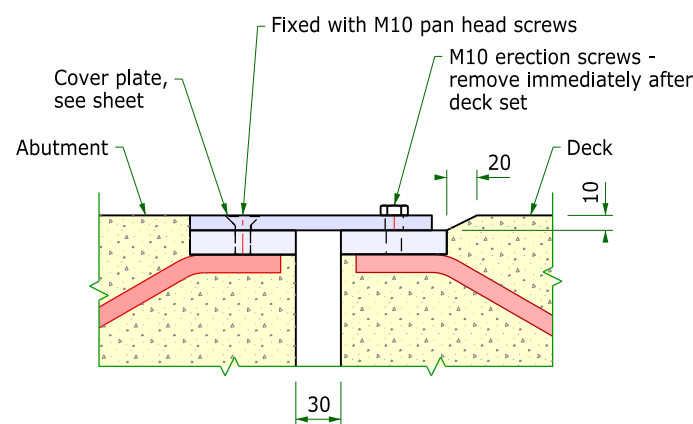
DETAIL D
1:20



DETAIL E
1:50

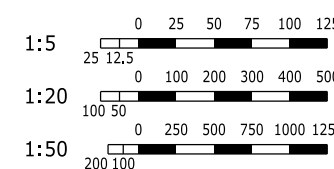


DETAIL F
1:50



SECTION 4
1:5

For general notes, see sheet 16



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Abergalssyn Road/Melville Ford Road
MELVILLE FORD BRIDGE OVER THE HUNTER RIVER
at 4.21km north of HW9
DECK
CONCRETE DETAILS - SHEET B

JOB NUMBER B2413
DOCUMENT NUMBER D21
SHEET 21 OF 33
REVISION A1

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Bridge Design
Pty Ltd

PO Box 9140, Wyoming,
NSW 2250
ph 02 4322 0011
ABN 63 145 429 063

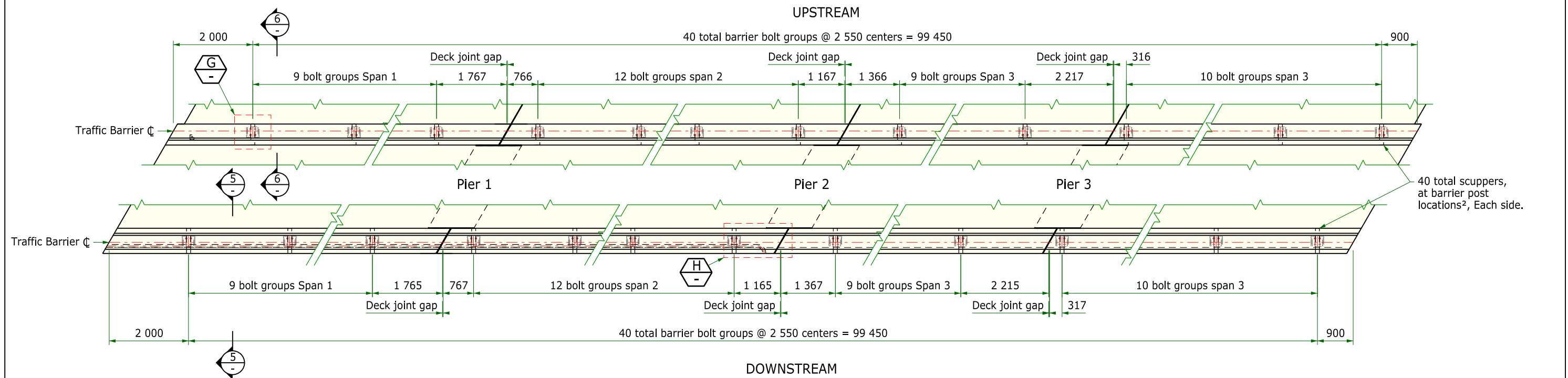
DESIGN: AJF
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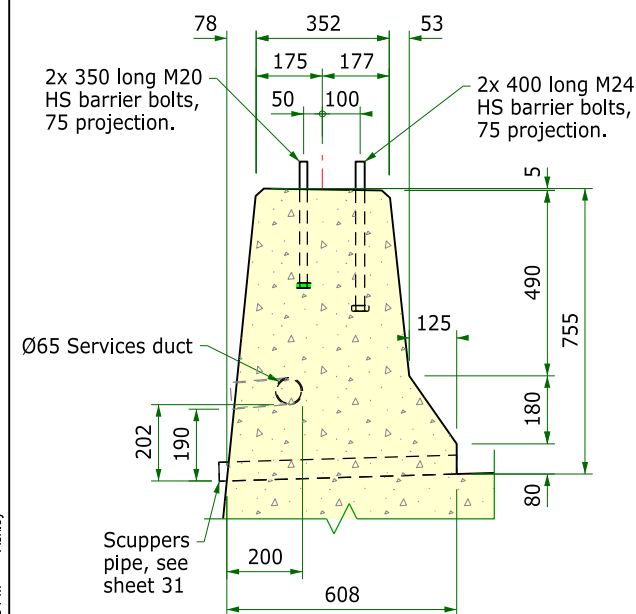
20/08/2024 12:44:33 PM Ashley

...1B2413 D22 Deck Concrete - Sheet C.dgn



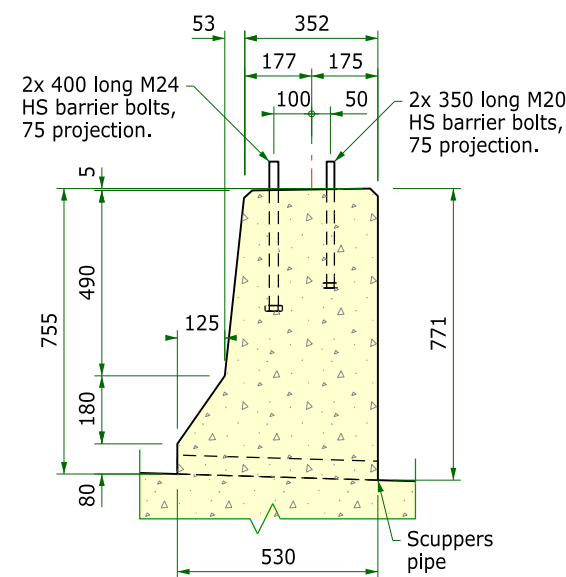
TRAFFIC BARRIER LAYOUT

1:100 ² Scupper position may be adjusted to avoid movement joints at piers.

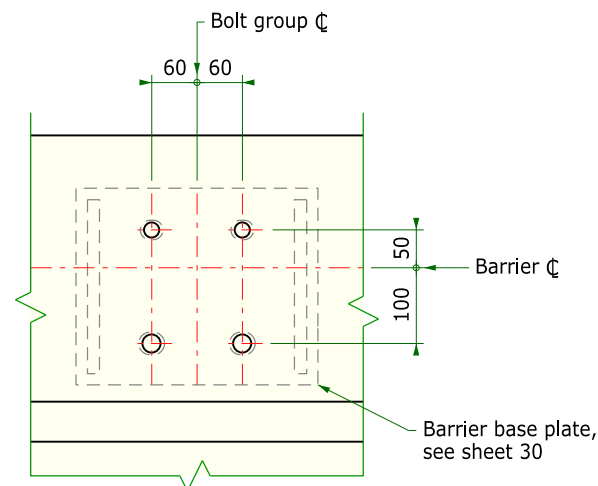


SECTION 5
1:20

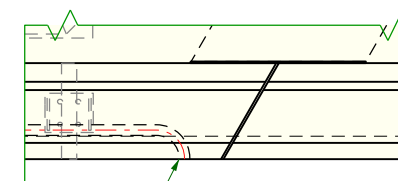
Barrier bolts to be supplied with thin levelling nut.



SECTION 6
1:20

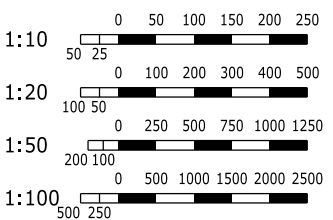


DETAIL G
1:10



DETAIL H
1:50

For general notes, see sheet 29



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MELVILLE FORD BRIDGE OVER THE HUNTER RIVER
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DECK
CONCRETE DETAILS - SHEET C

City of Maitland
JOB NUMBER B2413
DOCUMENT NUMBER D22
SHEET 22 OF 33
REVISION A2

100mm on original

200mm on original

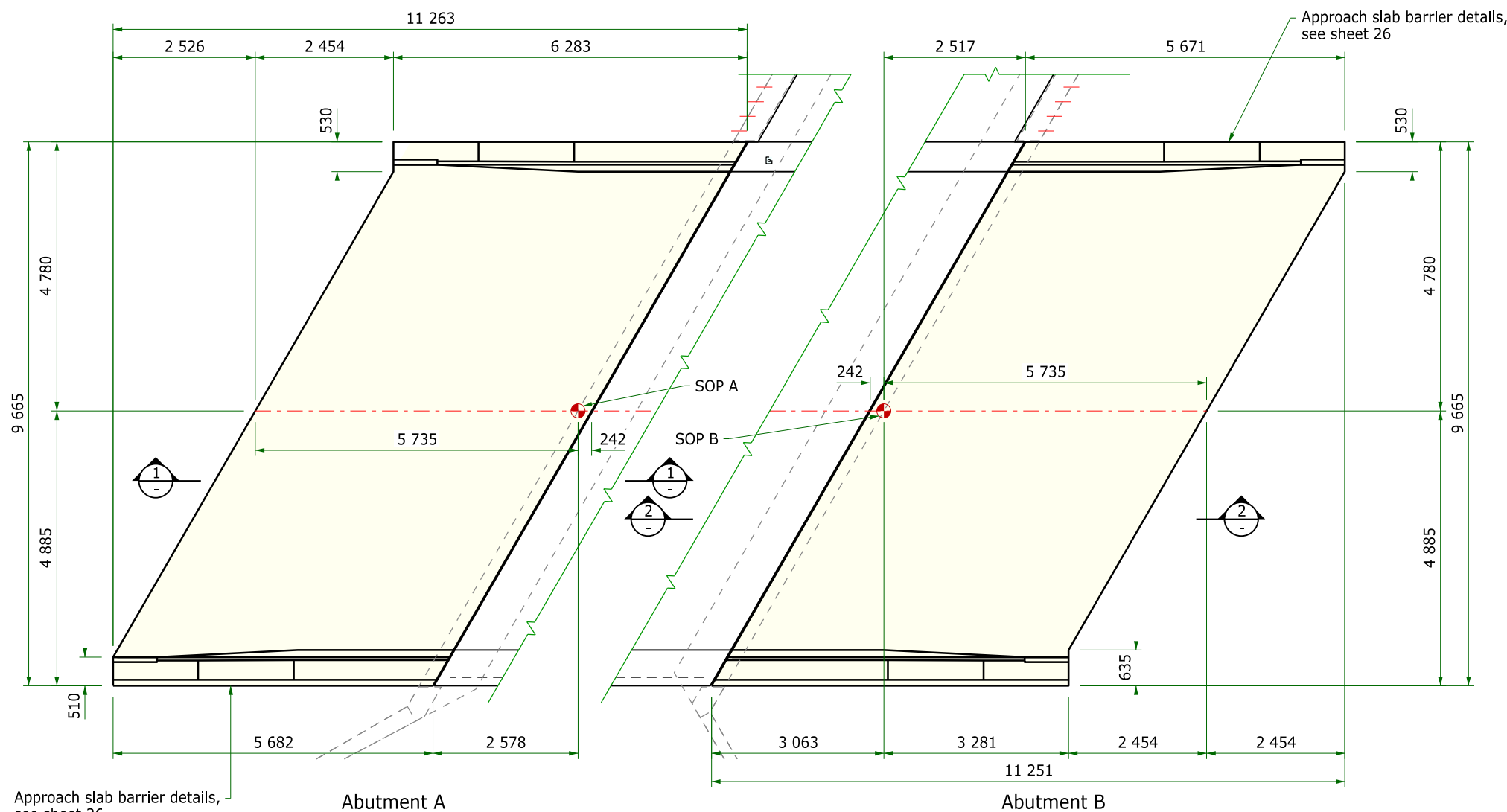
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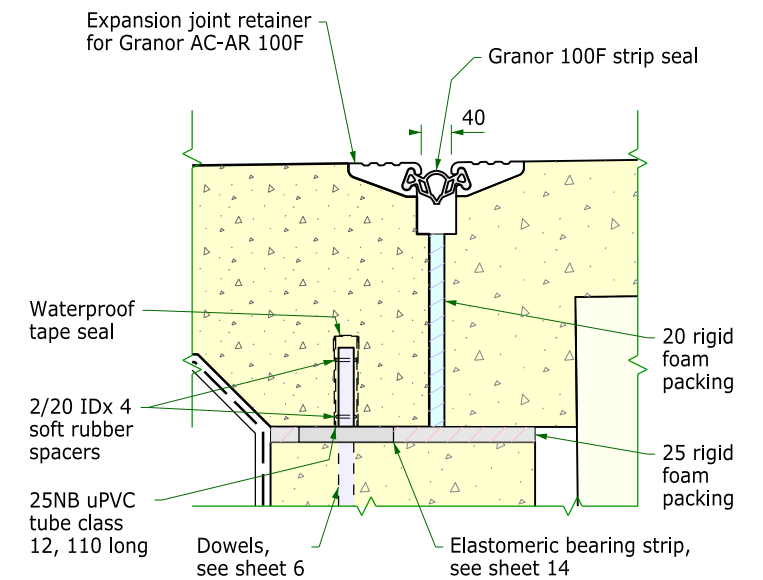
3:35:49 PM

26/07/2024

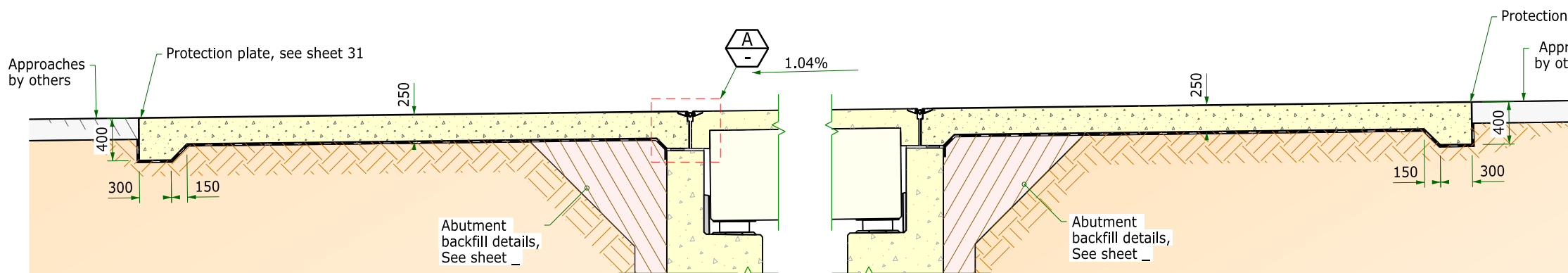
...1B2413 D25 Approach slab Concrete sheet A.dgn



PLANS - CONCRETE
1:100

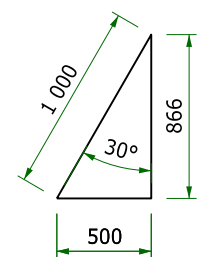


DETAIL A
1:10



SECTION 1
1:50

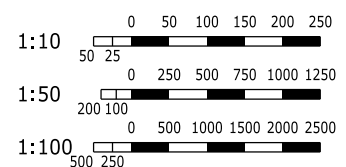
SECTION 2
1:50



SKEW
DIAGRAM

General Notes

Dimensions in millimetres.
Concrete exposure classification B1.
Minimum 28 day compressive strength of concrete 40 MPa.
Chamfer edges 20 x 20 and fillet re-entrant angles 20x20 USO.
NCF denotes no chamfer or fillet.
USO unless specified otherwise.



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at 4.21km north of HW9
APPROACH SLABS
CONCRETE DETAILS

City of Maitland
JOB NUMBER B2413
DOCUMENT NUMBER D25
SHEET 25 OF 33
REVISION A1

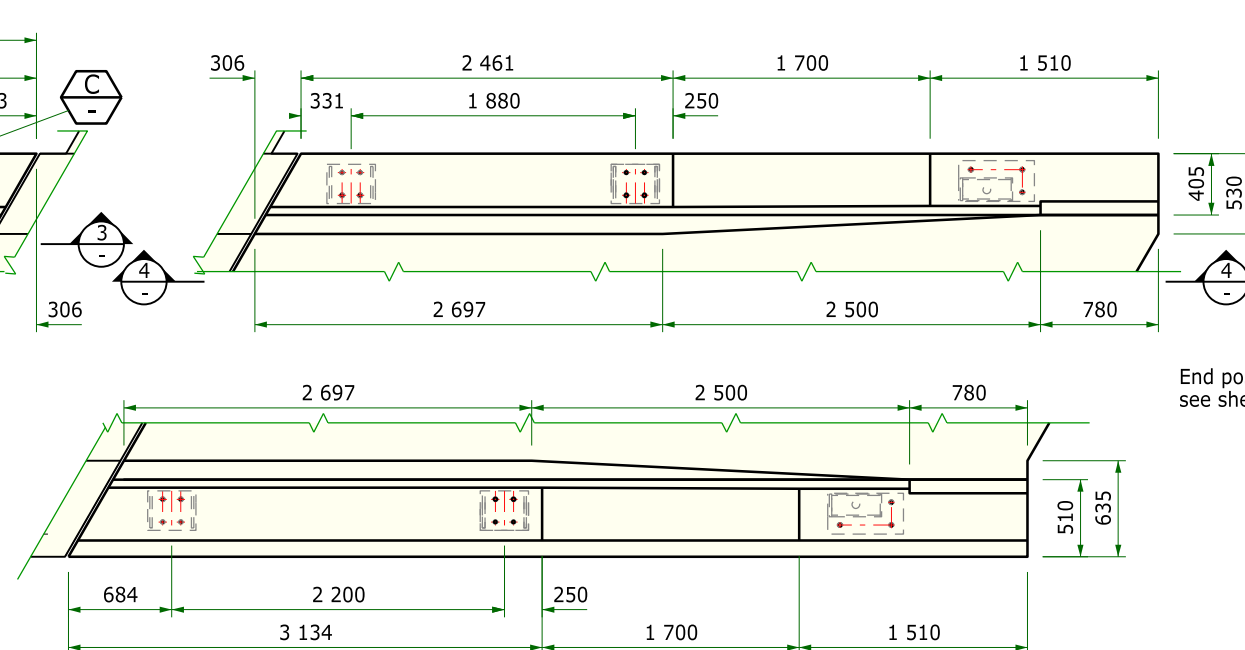
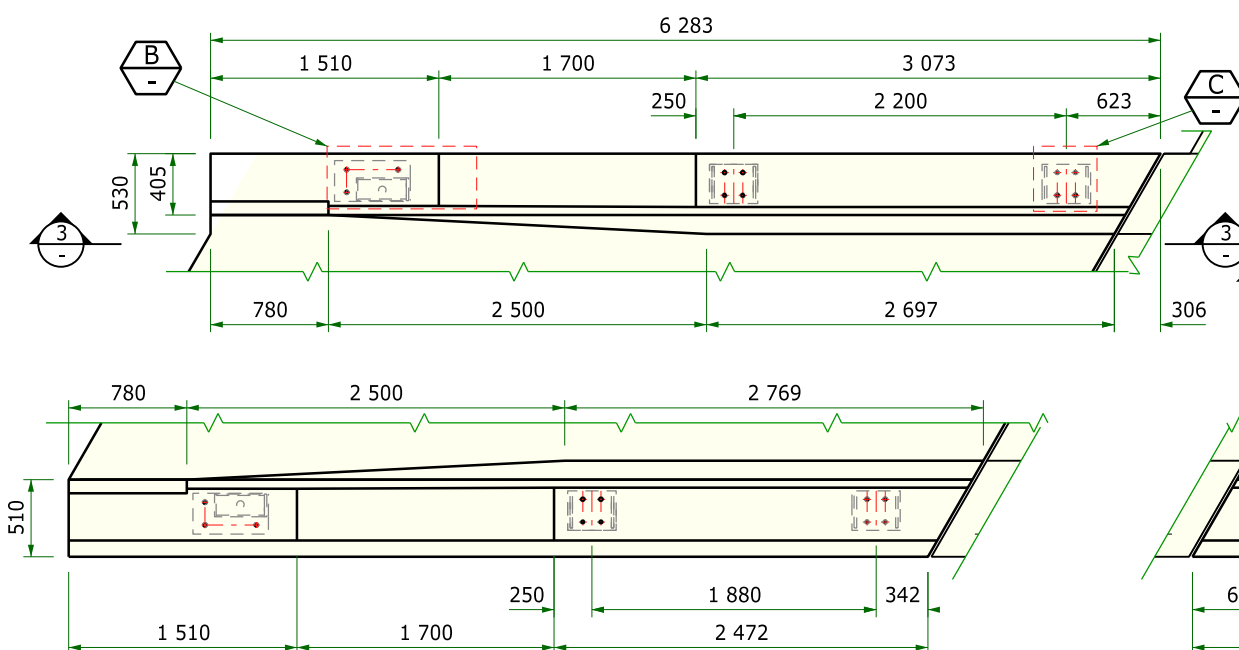
100mm on original

200mm on original

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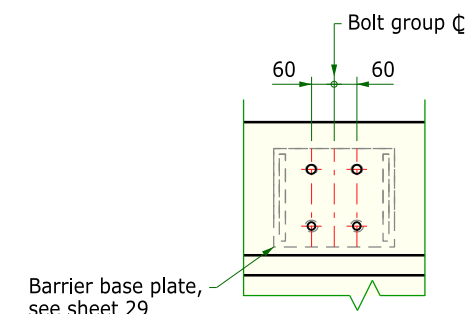
20/08/2024 12:52:03 PM Ashley

...182413 D26 Approach slab Concrete sheet B.dgn



End post base plate,
see sheet 29

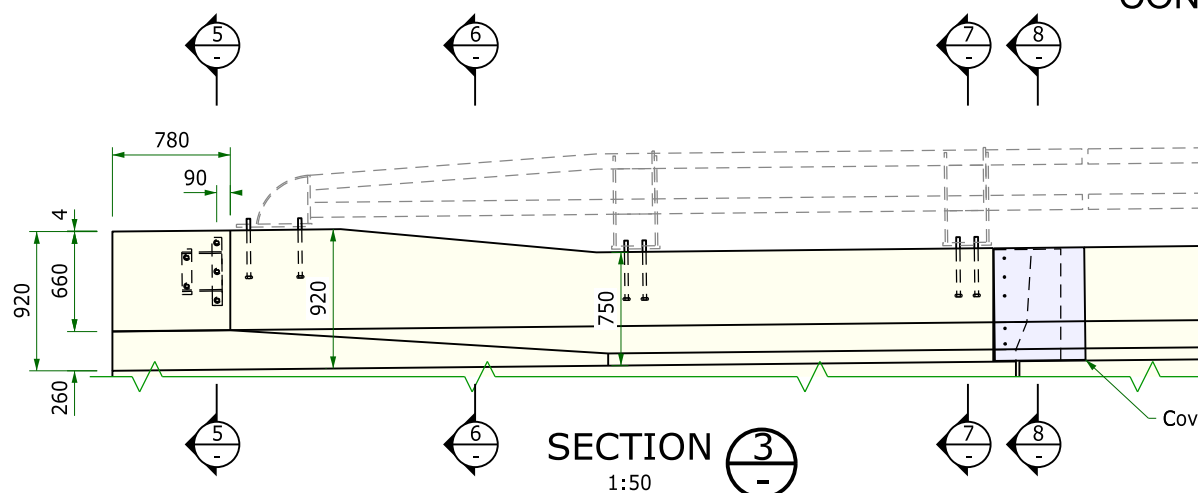
DETAIL B
1:20



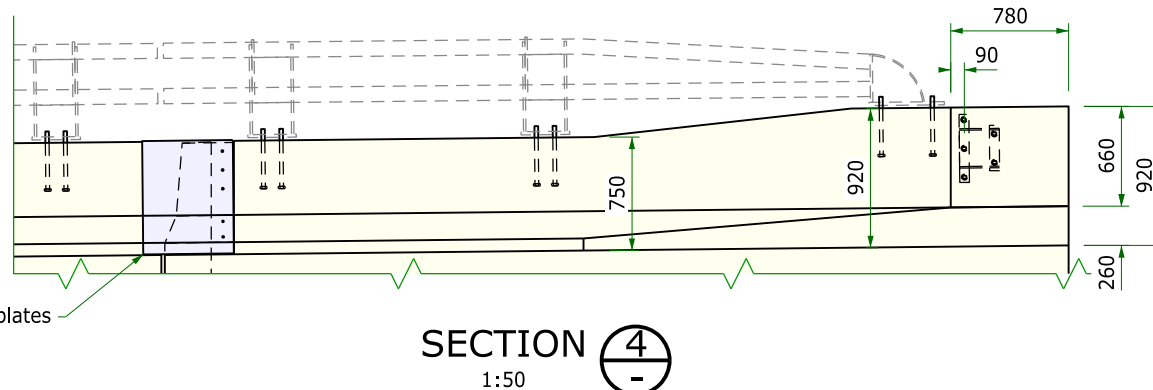
DETAIL C
1:20

APPROACH SLAB BARRIERS CONCRETE PLAN

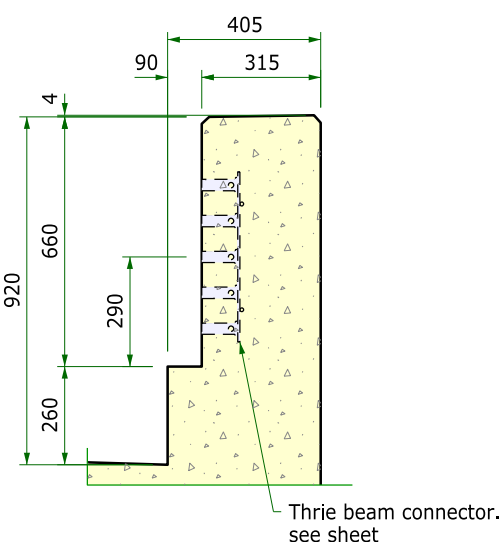
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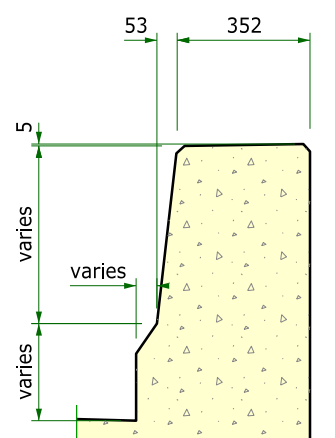
SECTION 3
1:50



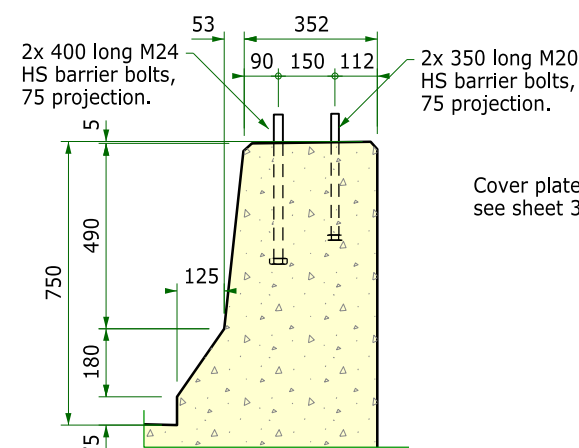
SECTION 4
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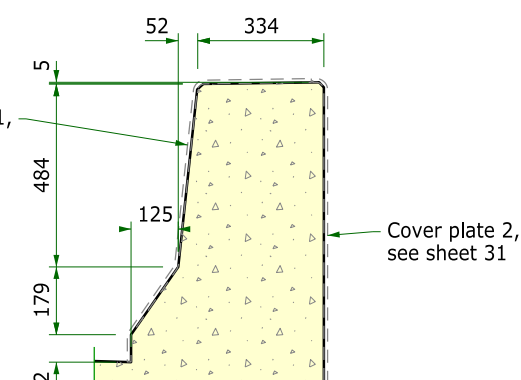
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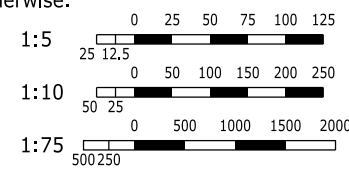
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CONCRETE DETAILS SHEET B

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DOCUMENT NUMBER D26
SHEET 26 OF 33
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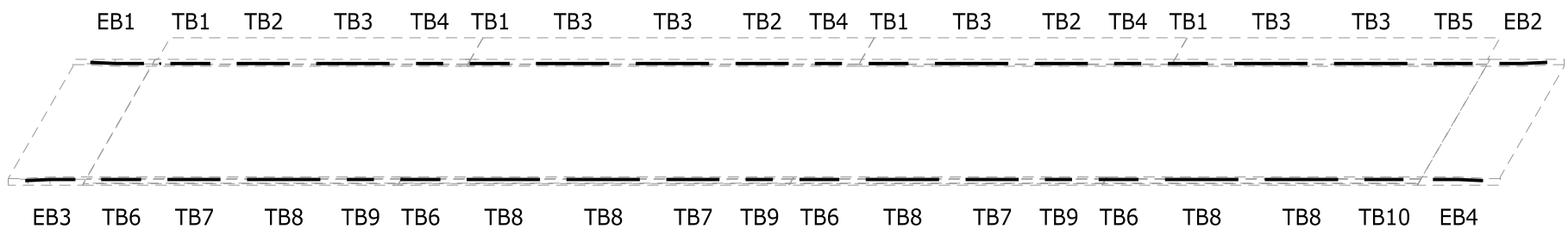
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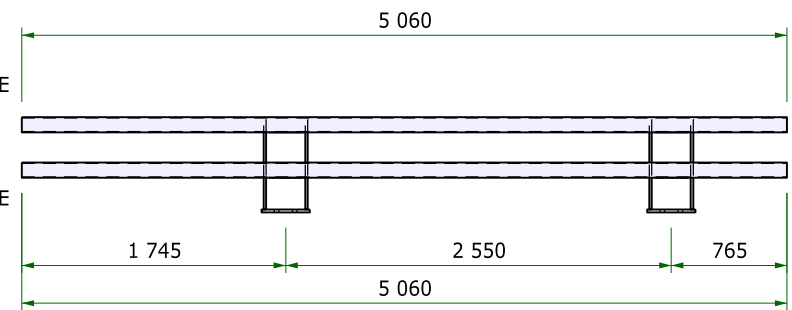
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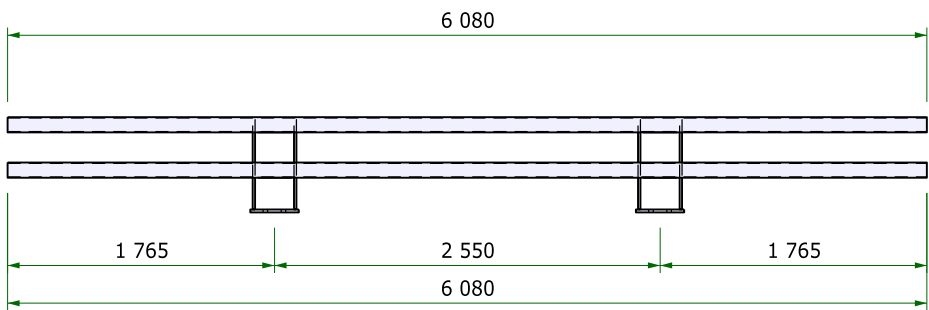
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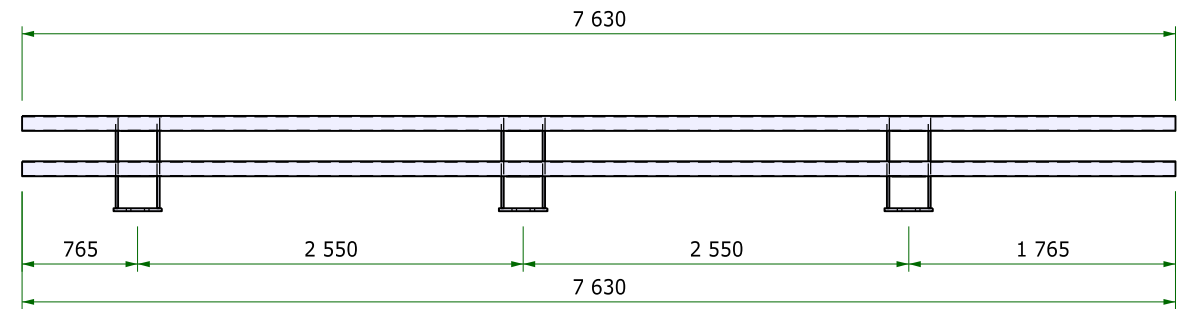
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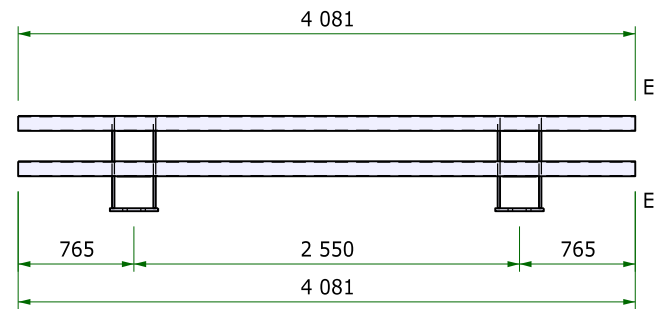
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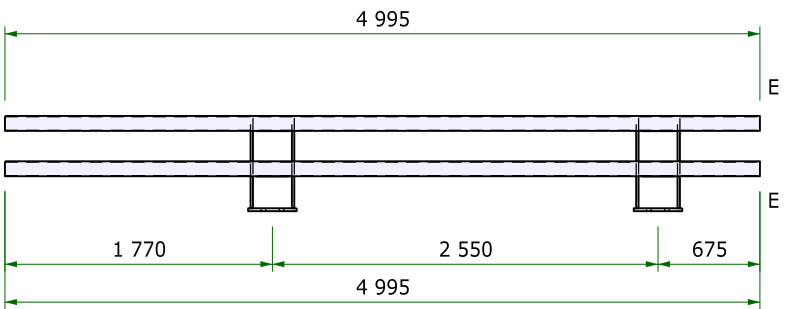
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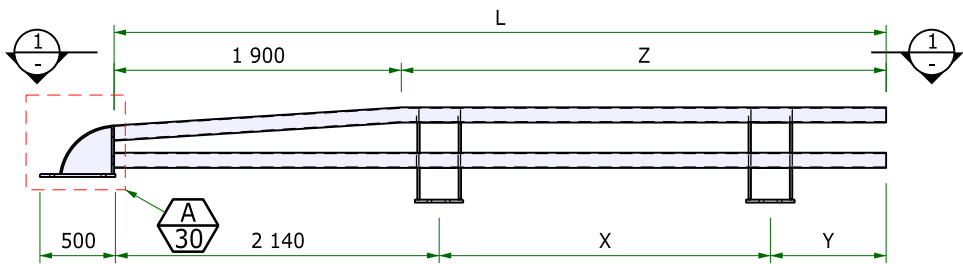
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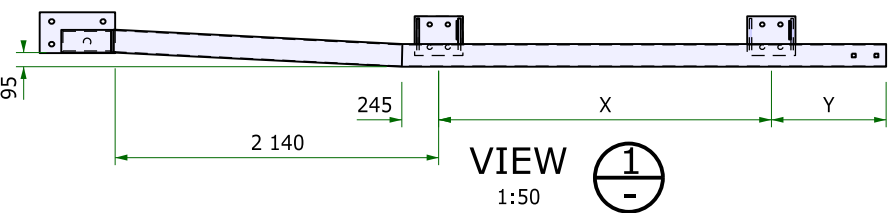
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PANEL ELEVATIONS

1:50 Upper dimensions refer to cycle rail lengths, which are excluded on Railing TB6+.
Panels TB6 onwards are opposite hand in section view.
'E' denotes Expansion joint holing, see detail.

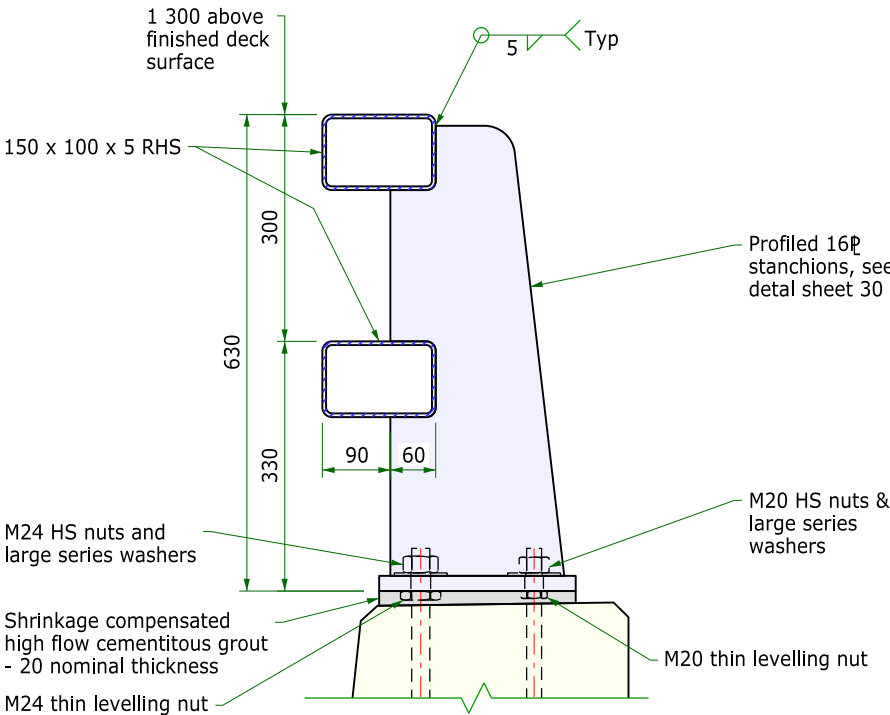


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EB2-4 as noted, see table 1



Panel	L	X	Y	Z
EB1	5 099	2 200	759	3 199
EB2	4 655	1 880	635	2 755
EB3	4 768	8 880	748	2 868
EB4	5 058	2 200	718	3 158

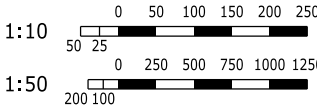
TABLE 1 - END PANEL DETAILS



TYPICAL SECTION
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TB6-10 similar, excluding cycle rail.

General Notes

Dimensions in millimetres.
Cold rolled hollow sections grade 350LO to AS1163 USO.
Steel plate minimum grade 250 to AS3678.
HS denotes bolting category 8.8/S to AS5100.6 and RMS B240.
Cup head bolts to the dimensions of AS1390, marked as grade 8.8 during manufacture.
Welding category SP to AS1554.1 and RMS B204. Welding symbols to AS1101.3.
Surface protection - hot dip galvanising to RMS B241.
Round edges to be protective treated to a 1.5 radius USO.
Hot dip galvanise fasteners to AS1214.
USO - unless specified otherwise.
Leave formwork to grout pads in place for 3 days minimum.
Apply curing compound after stripping.
Undersides of base plates and side faces of holes to be painted with two pack surface tolerant epoxy paint minimum 100µm thick.
PTFE spacers to be 100% virgin polytetrafluoroethylene to ISO 1300-1 grade 1, unfilled, not lubricated or dimpled.



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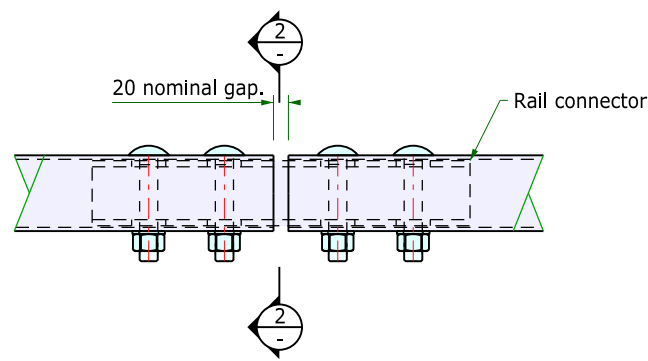
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TRAFFIC BARRIERS
STEELWORK AND DETAILS - SHEET A

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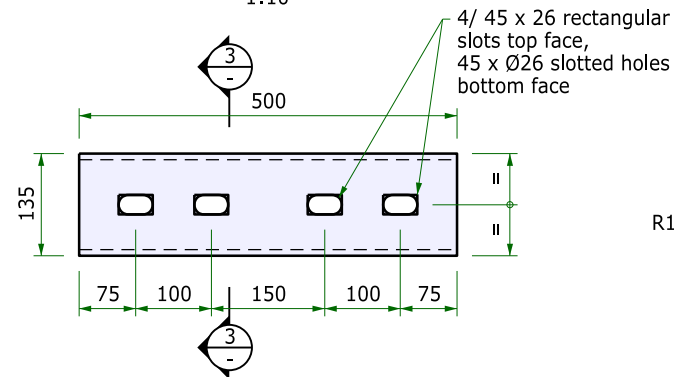
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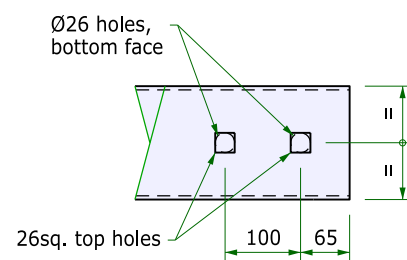
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RAIL CONNECTOR PLAN

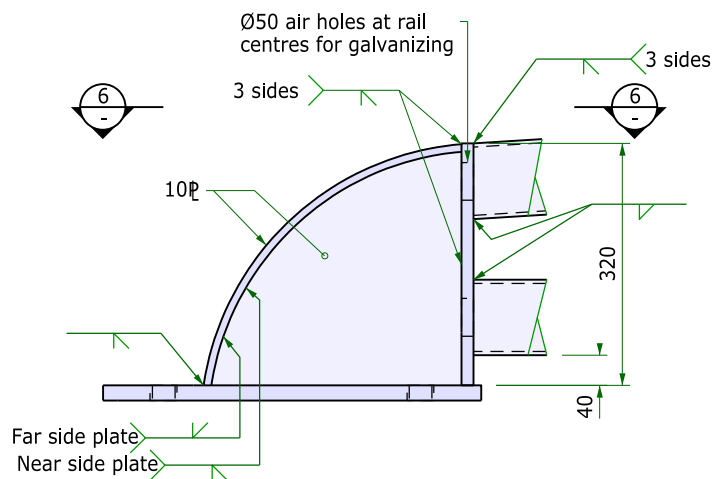
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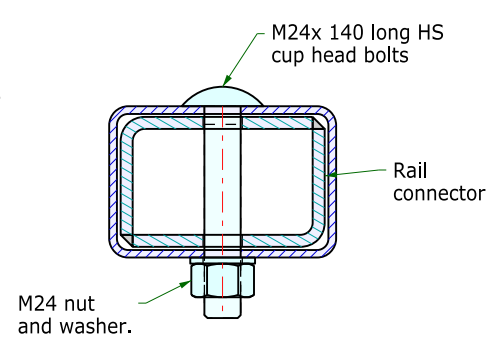
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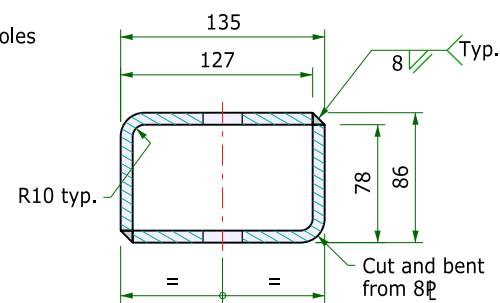
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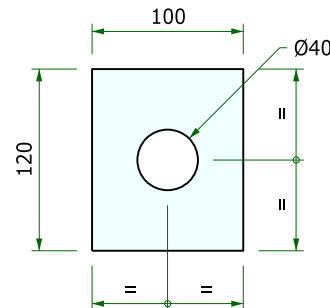
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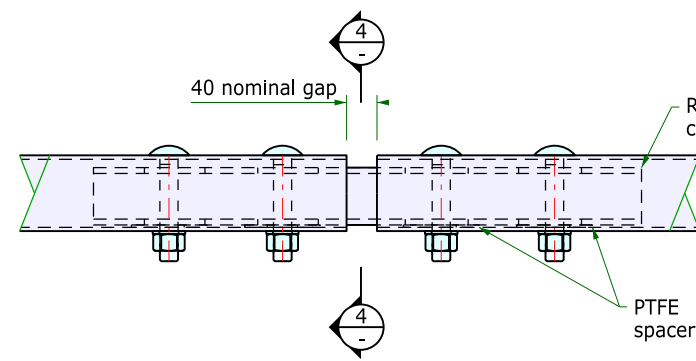
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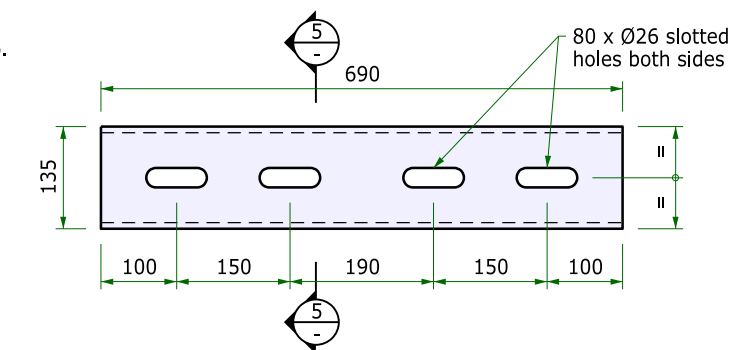
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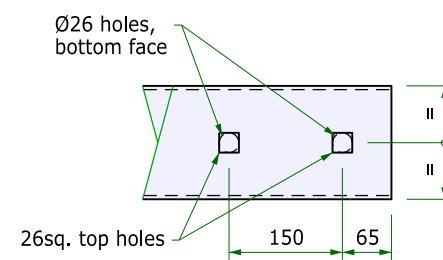
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RAIL EXPANSION CONNECTOR PLAN

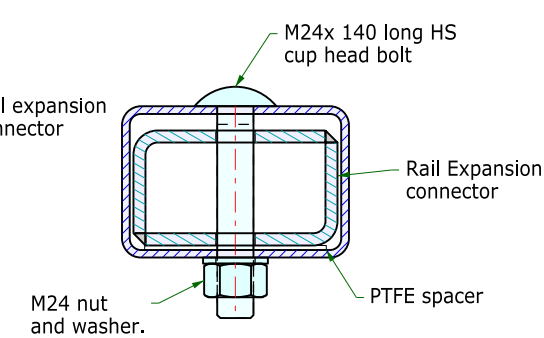
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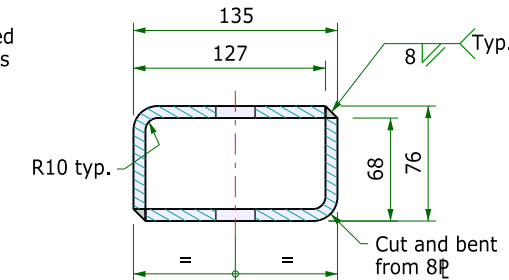
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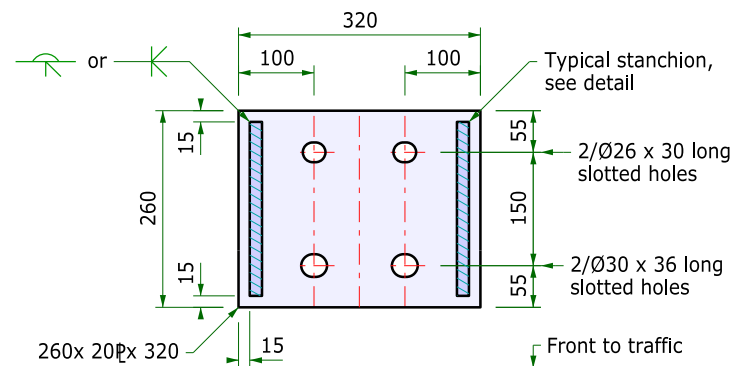
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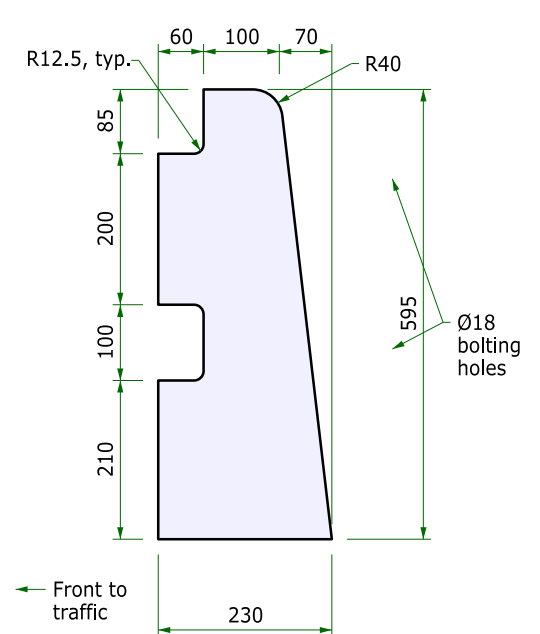
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BASE PLATE DETAIL

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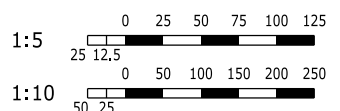


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For general notes, see sheet 29



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STEELWORK AND DETAILS SHEET B

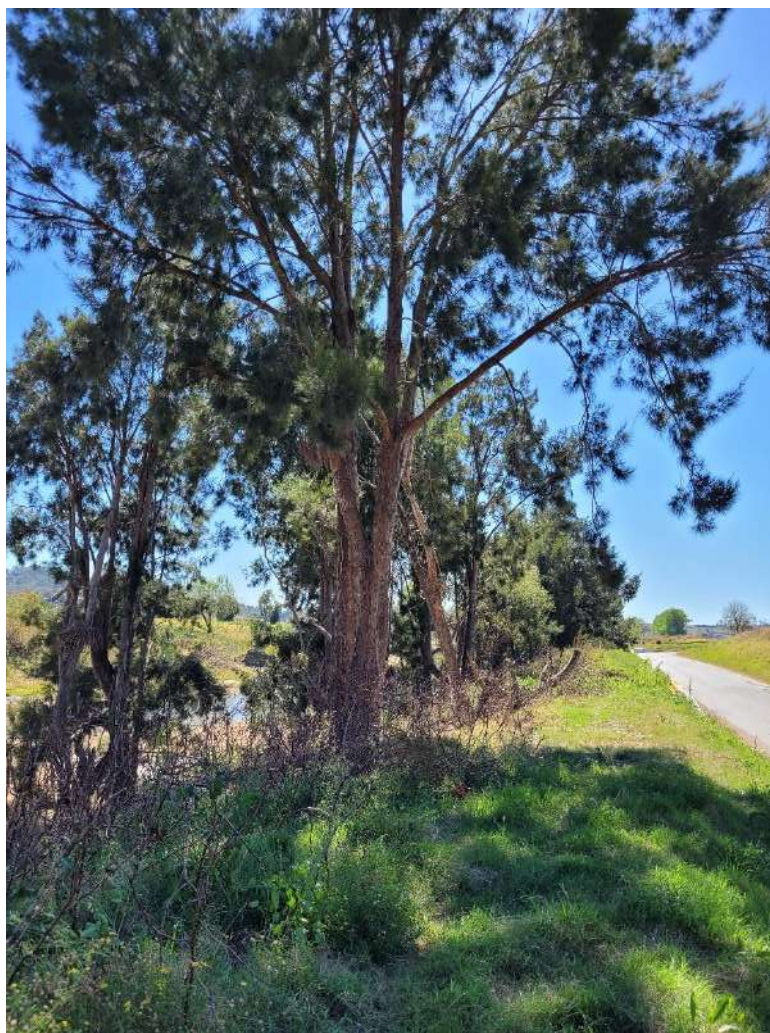
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BIODIVERSITY ASSESSMENT

Melville Ford Bridge Upgrade



Prepared by EDM Ecological



On behalf of Maitland City Council



September 2023

Document Details

Document Name	Biodiversity Assessment – Melville Ford Bridge Upgrade
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Prepared by	EDM Ecological
Author	Terry Bignell
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1	07/09/2023	First draft completed	T. Bignell	
2	12/09/2023	Final draft completed with minor changes	T. Bignell	

1. Glossary

B&C SEPP	<i>State Environmental Planning Policy (Biodiversity and Conservation) 2021</i>
BC Act	<i>NSW Biodiversity Conservation Act 2016</i>
BDAR	Biodiversity Development Assessment Report
Biosecurity Act	<i>NSW Biosecurity Act 2015</i>
BOM	Bureau of Meteorology
CBD	Central Business District
CEMP	Construction Environmental Management Plan
DCCEEW	Commonwealth Department of Climate Change, Energy, the Environment and Water
DPE	NSW Department of Planning and Environment
DPI	NSW Department of Primary Industries
EIS	Environmental Impact Statement
EP&A Act	<i>NSW Environmental Planning & Assessment Act 1979</i>
EPBC Act	<i>Commonwealth Environment Protection and Biodiversity Conservation Act 1999</i>
FM Act	<i>NSW Fisheries Management Act 1994</i>
GDE	Groundwater Dependent Ecosystem
ha	hectare
km	kilometre
LGA	Local Government Area
m	metre
m³	cubic metre
MCC	Maitland City Council
mm	millimetre
MNES	Matters of National Environmental Significance
NSW	New South Wales
PCT	Plant Community Type
REF	Review of Environmental Factors
SEPP	State Environmental Planning Policy
SIS	Species Impact Statement
SRP	Spill Response Plan
Study area	The area assessed by this REF, which is likely to be affected by the proposal.

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Appendix E	Ecological Assessment of Impact on Threatened Entities

2. Introduction

1.1 Background

Maitland City Council (MCC) proposes to replace the existing bridge known as Melville Ford Bridge, in the Maitland local government area (LGA) of New South Wales. The proposed project site is located on the Hunter River, where the bridge spans the river to adjoin Aberglasslyn Road to the south-east with Melville Ford Road to the north-west. The project site is located approximately 5 km from Maitland central business district (CBD).

The existing bridge is a single-lane, six span, timber girder bridge which is 62 metres long (**Plate 1-1**). The low-lying, timber bridge is regularly inundated during flood events, requiring repairs and ongoing maintenance. Overtopping of the bridge of several metres occurs in moderate to large flooding events on the Hunter River. The local community have voiced their desire for a higher, safer, and more modern crossing at the Melville Ford Bridge location for many years.

Consequently, Maitland City Council is proposing to replace the existing timber bridge with a two metre higher concrete bridge to reduce the frequency and duration of closure due to flood events. As part of the upgrade, safety and structural improvements are also intended to bring the bridge up to modern standards. Raising the river crossing height by two metres will not create a “flood free” bridge, however it will significantly reduce the frequency and length of bridge closure due to inundation. The new concrete bridge would be situated 10 m downstream of the existing bridge (**Plate 1-2**). Works will include the realignment of the existing roads and re-grading of the batter. It is intended that the existing timber bridge will be demolished and removed once the new bridge is operational.

As the project is a design and construct proposal for the successful contractor, some details are yet to be finalised. However, Maitland City Council anticipates that construction of the new bridge is not likely to deviate from the scope of works (**Section 4.1**), proposed construction methodology (**Table 4.1**), or concept plan (**Figure 4.1**) due to geotechnical, hydrological, and structural requirements that have already been identified.



Plate 2-1. Existing timber bridge, view from the east on Aberglasslyn Road.



Plate 2-2. Indicative proposed location of the new concrete bridge.

1.2 Purpose

Maitland City Council engaged EDM Ecological to prepare a Review of Environmental Factors (REF) to examine and take into account to the fullest extent possible the potential environmental impacts of the proposed project in accordance with Part 5, Division 5.1 of the *Environmental Planning & Assessment Act 1979* (EP&A Act).

This biodiversity assessment will inform the REF on potential impacts to biodiversity. The objectives of this biodiversity assessment are to:

- Record flora and fauna species and describe plant community types and terrestrial habitats within the study area.
- Provide a qualitative description of aquatic habitats within the study area.
- Identify any threatened species, populations, ecological communities, or their habitats within the study area, listed under the *Biodiversity Conservation Act 2016* (BC Act), *Fisheries Management Act 1994* (FM Act) and/or the Environment Protection and *Biodiversity Conservation Act 1999* (EPBC Act).
- Assess the significance of potential impacts of the proposal on terrestrial threatened species, threatened ecological communities or their habitats through consideration of the test of significance in Section 7.3 of the BC Act.
- Assess the significance of potential impacts of the proposal on aquatic threatened species, populations, ecological communities or their habitats according to the test of significance in Section 220ZZ of the FM Act.
- Determine if a species impact statement (SIS) or biodiversity development assessment report (BDAR) is required for the proposal.
- Assess the potential for the proposal to significantly impact a matter of national environmental significance or Commonwealth land and the need to make a referral to the Commonwealth Department of Climate Change, Energy, the Environment and Water (DCCEEW) for a decision by the Minister for the Environment and Water on whether assessment and approval is required under the EPBC Act.
- Assess whether the proposed project is likely to have a significant impact on the environment and therefore the necessity or an Environmental Impact Statement (EIS) to be prepared and approval to be sought from the Minister for Planning and Environment under Part 5, Subdivision 3 of the EP&A Act.
- Identify any permits and/or notifications required for the proposed project.
- Provide measures to avoid, minimise and mitigate ecological impacts associated with the proposed project.

3. Project site

2.1 Location

The proposed project site is in the Maitland local government area approximately 5 km from Maitland CBD. It is situated on the Hunter River between the suburbs of Aberglasslyn to the south and Melville to the north. Refer **Figure 2.1** for locality.

2.2 Project area

The proposed project area includes an approximately 25 m section of the Hunter River and the southern and northern riverbanks. The site also includes the approaches on Aberglasslyn Road (to the south) and Melville Ford Road (to the north) which meet at the existing bridge crossing. The extent of the project is approximately 0.45 ha and the study area for this report is approximately 2.8 ha, refer **Figure 2.2**.

2.3 Project works

The project would involve construction activities within and directly adjacent to the Hunter River including the construction of a 75 m long and 8 m wide four-span concrete bridge, realignment of the existing roads and re-grading of the batter. A temporary site compound would be established nearby, however the exact location for this is yet to be confirmed by Maitland City Council. It is likely to be located on private property due to limited Council owned land in the area. The site compound will be subject to a separate internal Council environmental assessment once the location is confirmed. Key features of the project are shown in **Figure 2.3**.

The project is a design and construct proposal which is planned to be put to tender by Maitland City Council in October 2023. The successful contractor will determine the exact construction methodology in consultation with Council. However, it is anticipated that construction of the new bridge will include the scope of works below and is unlikely to deviate from the concept plan (**Figure 2.4**) due to geotechnical, hydrological, and structural requirements. The proposed new bridge is a four-span concrete bridge comprising concrete deck beams supported on piles.

The scope of works for this project are:

- Undertake service location
- Site establishment including traffic control and signage
- Installation of erosion and sediment controls
- Establishment of temporary site compound (including erosion and sediment controls)
- Removal of one willow tree on southern approach
- Removal of non-native vegetation where necessary
- Excavation works
- Earthworks comprising 844 m³ cut and 533 m³ fill on the northern approach
- Earthworks comprising 390 m³ cut and 476 m³ fill on the southern approach
- Regrading of the batters

- Realignment of the roads
- Establishment of temporary piling pads
- Installation of driven or bored steel or concrete piles
- Construction of a new 75 m long and 8m wide four-span concrete bridge 10 m downstream from the existing timber bridge
- Construction of new bridge abutments
- Installation of scour protection
- Construction of new approach embankments
- Reconstruction of existing approach pavements
- Installation of concrete stair access and handrail
- Construction of 6 car parking spaces
- Installation of drainage
- Installation of bollards
- Demolition and disposal of the existing timber bridge
- Treatment of priority weeds
- Landscaping and revegetation of disturbed areas
- Removal of all construction equipment, materials, and waste at completion of works
- Decommissioning of temporary site compound
- Removal of erosion and sediment controls

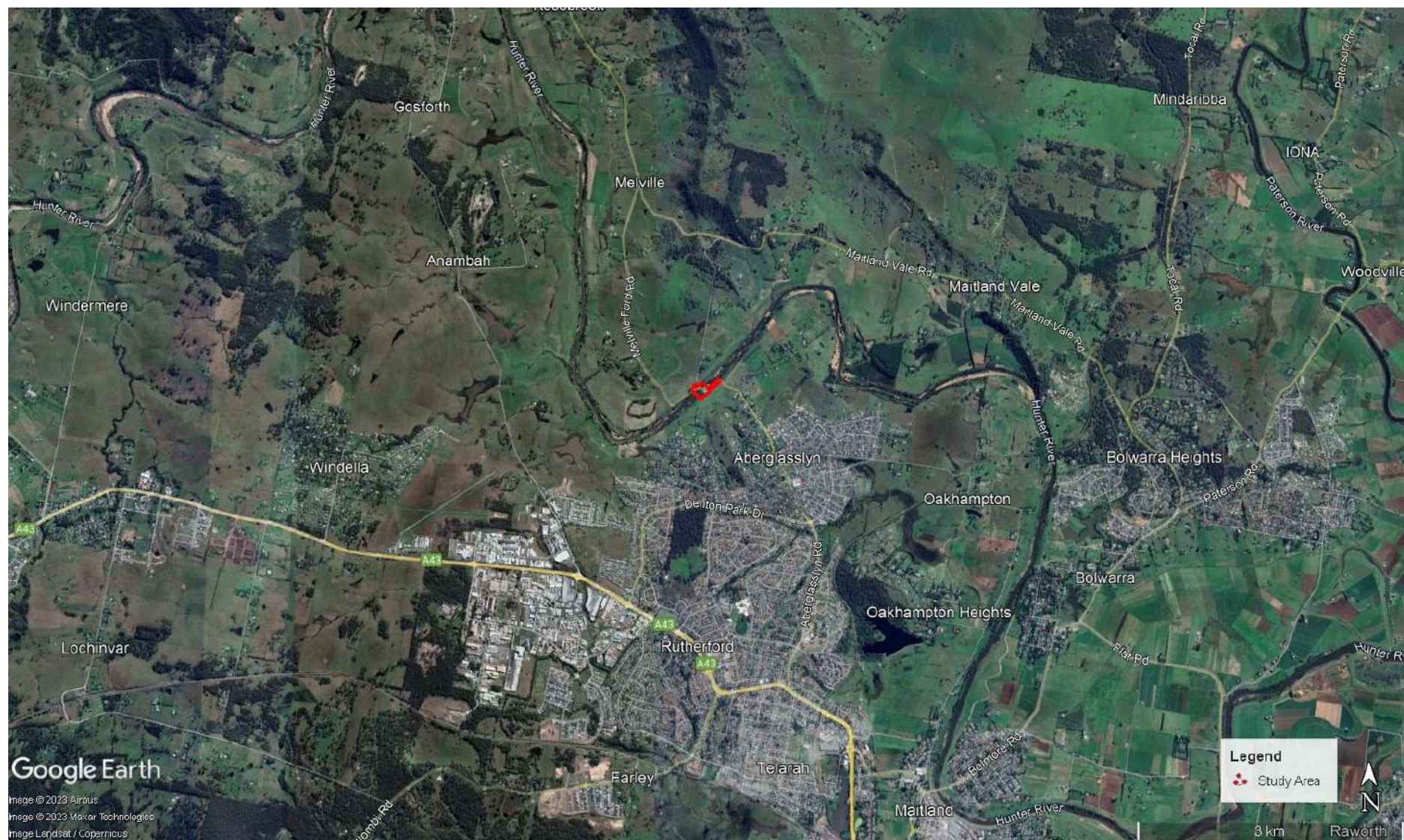


Figure 3.1. Locality of the proposed project.



Figure 3.2. Location of study area and extent of the proposed project.



Figure 3.3. Key features of the proposed project.

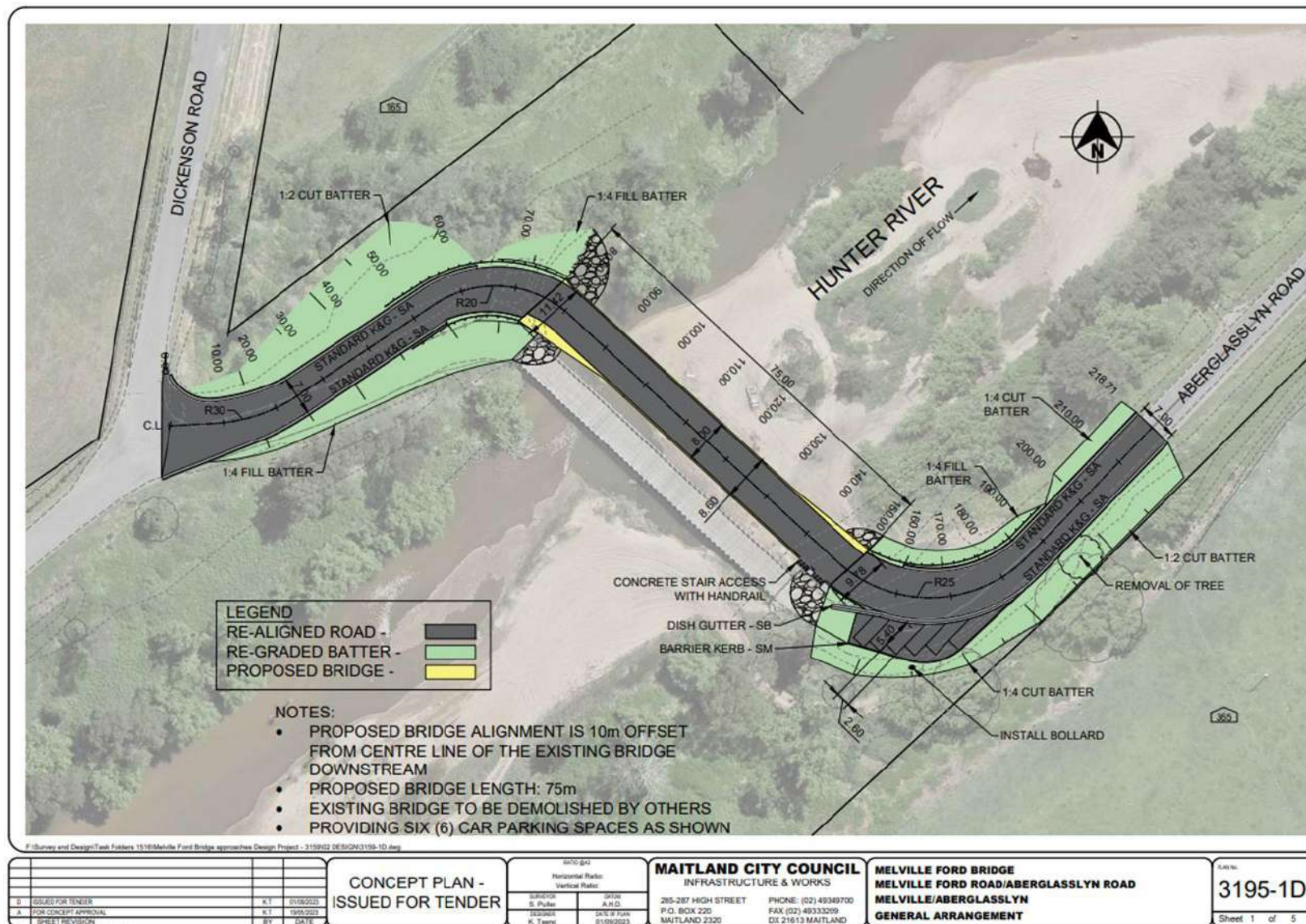


Figure 3.4. Concept plan.

4. Methodology

3.1 Desktop assessment

To identify threatened and migratory species, endangered populations, and threatened ecological communities, or their habitats with the potential to occur in the study area, a detailed assessment of relevant databases was completed. These database searches included:

- EPBC Act Protected Matters Search Tool (DCCEEW, 2023)
- NSW BioNet Atlas Search (DPE, 2023)
- Areas of Outstanding Biodiversity Value register (DPE, 2022a)
- NSW State Vegetation Type Map (DPE, 2022b)
- Greater Hunter Native Vegetation Mapping (DPE, 2012)
- Fisheries NSW Spatial Data Portal (DPI, 2023a)
- Atlas of Groundwater Dependent Ecosystems (GDE) (BOM, 2023)

3.2 Field surveys

An inspection of the study area was undertaken on 5 August 2023 by EDM Ecological to:

- Assess and describe the existing environment in relation to terrestrial and aquatic flora and fauna species and communities.
- Identify threatened species or key ecological features (such as hollow-bearing trees and fallen timber) with the potential to provide habitat for threatened species.
- Identify if the study area supports or has potential habitat for threatened and migratory species, endangered populations or ecological communities listed under the BC Act and/or the EPBC Act.

Survey of the study area involved foot traverses of the areas with potential to be disturbed by the proposed works. Vegetation survey, terrestrial fauna survey and aquatic habitat assessment were all conducted on 5 August.

Further inspections of the study area were undertaken on 14 and 15 August 2023 by a microbat specialist to determine if the current timber bridge is habitat for any microbat species (**Appendix A**).

3.2.1 Vegetation survey

Vegetation assessment was undertaken to record dominant plant species in the canopy, mid-storey and groundcover. Native vegetation was classified according to Plant Community Types (PCTs) using the BioNet Vegetation Classification (DPE, 2022). Areas of non-native vegetation were also identified and mapped.

A search of the NSW State Vegetation Type Map on 20 July 2023 identified one plant community type (PCT) as occurring in the study area. The PCT is:

PCT 3083 – Lower Hunter Tuckeroo Riparian Rainforest

- Listed as vulnerable under the BC Act associated with Lower Hunter Valley Dry Rainforest in the Sydney Basin and NSW North Coast Bioregions.
- Listed as endangered under the BC Act associated with Lowland Rainforest in the NSW North Coast and Sydney Basin Bioregions.
- Listed as critically endangered under the EPBC Act associated with Lowland Rainforest of Subtropical Australia.

A search of the Greater Hunter Native Vegetation Mapping on 20 July 2023 identified one vegetation community occurring within the study area. The PCT is:

PCT 1714 – River Oak - White Cedar Grassy Riparian Forest of the Dungog Area and Liverpool Ranges

- This community is not listed as a threatened ecological community.

3.2.2 Terrestrial fauna survey

Fauna surveys undertaken on site included:

- Microbat surveys on 14 and 15 August 2023:
 - Bridge cavities were inspected using a torch to look for roosting microbats or evidence of roosting such as scats.
 - A dusk watch was conducted using two bat detector units (walkabout and Anabat Express), along with visually watching for any microbats observed flying from the bridge structure.
 - The dusk watch survey was conducted from 17:40 to 18:20 on both nights to cover the period when the microbats commonly exit their roosts.
- Fauna habitat assessment targeting key ecological features (such as hollow-bearing trees and fallen timber) with the potential to provide habitat for threatened species.
- Opportunistic observations of fauna.
- Scats, tracks, pellets, and other traces of fauna observed.

3.2.3 Aquatic habitat assessment

An aquatic habitat assessment was conducted from the timber bridge and along the southern bank of the Hunter River to assess aquatic habitat and condition.

The objectives of the aquatic assessment were to:

- Undertake a qualitative habitat assessment of the study area in accordance with the Fisheries NSW Policy and Guidelines for Fish Habitat Conservation and Management (DPI, 2013).
- Identify any threatened and migratory species, endangered populations, communities, or their habitats within the study area. This includes matters listed under the EPBC Act, BC Act and FM Act.
- Assess the potential impact of the proposal on aquatic flora and fauna species, threatened and migratory species, populations, communities, or their habitats in the study area.

3.3 Weather conditions

The closest operational weather station to the study area is Maitland Airport AWS (station 061428) located approximately 3.5 km to the south-west. Weather conditions for the 5 August, 14 August, and 15 August are provided in **Table 3.1**.

Table 4.1. Weather conditions.

Date	Temperature Range (°C)	Rainfall (mm)	Wind direction	Maximum Wind gusts (km/hr)
5 August 2023	5.5 to 22.0	0 Last rain 3 Aug (0.2 mm)	WNW	31
14 August 2023	9.4 to 17.3	5.2	NW	26
15 August 2023	9.3 to 18.4	10.0	SSE	30

3.4 Limitations

The survey was influenced by limitations in time, access to all of the study area and by seasonal factors. Limitations included:

- Not all bridge cavities could be searched for microbats due to cavity shape and length.
- The water depth under the middle section of the bridge was too deep and flowing to inspect all cavities in this section of the bridge.
- Access to all parts of the study area was limited due to safety concerns. This includes the steepest slopes of the banks of the Hunter River. These areas were surveyed from vantage points on the opposite side of the river using binoculars.
- The survey was conducted in winter, thereby reducing the likelihood of identifying a range of potentially occurring threatened species which may only utilise the habitats of the study area periodically or seasonally. This would not limit determination of the presence of the threatened ecological communities known in the area.
- Desktop assessments were also used to inform assessments of the likelihood of occurrence of threatened species.

5. Existing environment

4.1 Study area

The study area is in the Maitland local government area approximately 5 km from Maitland CBD. It is situated on the Hunter River between the suburbs of Aberglasslyn to the south and Melville to the north. The study area includes an approximately 150 m long section of the Hunter River and the associated southern and northern riverbanks as well as the riparian vegetation adjacent to Aberglasslyn Road on the southern bank. The area also includes the approaches on Aberglasslyn Road (to the south) and Melville Ford Road (to the north) which meet at the existing bridge crossing. The extent of the proposed project is approximately 0.45 ha and the study area is approximately 2.8 ha.

4.2 Plant community types

The riparian vegetation in the study area is not identified as representative of **PCT 3083 – Lower Hunter Tuckeroo Riparian Rainforest** based upon the absence of canopy species (only *Casuarina cunninghamiana* subsp. *cunninghamiana* is present) and other expected species across all strata being absent.

PCT 1714 – River Oak - White Cedar Grassy Riparian Forest of the Dungog Area and Liverpool Ranges is found within the study area, downstream from the current timber bridge on the southern bank of the Hunter River.

A map showing the spatial distribution of the plant community types (PCTs) identified in the study area is provided in **Figure 4.1**. A description of each PCT is provided below.

4.2.1 River Oak – White Cedar Grassy Riparian Forest of the Dungog Area and Liverpool Ranges

PCT: 1714 River Oak – White Cedar Grassy Riparian Forest of the Dungog Area and Liverpool Ranges

Conservation status: Not listed

Condition: Poor

Extent in the study area: 0.26 ha

Description: Riparian Open Forest with a grass/forb ground stratum. This community is characterised by many exotic small trees; shrubs; grasses and forbs. The ground stratum particularly may be dominated by exotic species. This community occurs along major stream lines in the Upper Hunter Valley from Allynbrook to Maitland with minor occurrences in the Murrurundi area. Bedrock geology is varied overlain by alluvial sediments. Elevation is usually under 100 m except near Murrurundi where elevations of 450 m to 500 m area recorded. Upper stratum species include river oak (*Casuarina cunninghamiana*), forest red gum (*Eucalyptus tereticornis*), and white cedar (*Melia azedarach*). Ground stratum species include couch (*Cynodon dactylon*).

In the study area, PCT 1714 is limited to the southern bank of the Hunter River, downstream of the current timber bridge. This area is dominated by river oak (*Casuarina cunninghamiana* subsp. *cunninghamiana*) as the only species in the upper stratum, with the ground stratum dominated by introduced species with the exception of couch (*Cynodon dactylon*). Although PCT 1714 has been highly disturbed by clearing, and has been subjected to severe flooding, it does contain native, large mature trees, namely river oak (see **Plate 4-1**).

Species identified in this PCT within study area include:

Trees

- River oak (*Casuarina cunninghamiana* subsp. *cunninghamiana*)
- Willow tree (*Salix* sp.)*

Shrubs

- Castor oil plant (*Ricinus communis*)*
- Green cestrum (*Cestrum parqui*)*

Groundcovers, herbs, grasses

- Couch (*Cynodon dactylon*)
- Curled dock (*Rumex crispus*)*
- Field mustard (*Brassica rapa*)*
- Fireweed (*Senecio madagascariensis*)*
- Giant reed (*Arundo donax*)*

Climbers

- Balloon vine (*Cardiospermum grandiflorum*)*

Note: * denotes an introduced species



Plate 5-1. PCT 1714 – River Oak - White Cedar Grassy Riparian Forest of the Dungog Area and Liverpool Ranges, on the southern bank of the Hunter River. View from the exposed riverbed.

4.2.2 Non-native vegetation

Condition: Poor

Extent in the study area: 0.89 ha

Description: The majority of vegetation in the study area is non-native. These areas have been disturbed by prior clearing and operational use of the land for public roads. The area has also been subject to severe flooding in recent years and subsequent erosion. The dominant trees in these areas are willows and black locust. The native common reed is present in some dense patches on the northern riverbank. A variety of introduced grasses and groundcovers dominate the ground layer in all other areas. At the time of inspection, it appeared that there had been recent herbicide application to non-native vegetation within the study area, particularly castor oil plant and green cestrum of which many plants were either wilting or dead.

Trees

- African olive (*Olea europaea* subsp. *cuspidata*)*
- Black locust (*Robinia pseudoacacia*)*
- Willow (*Salix* sp.)*

Shrubs

- Castor oil plant (*Ricinus communis*)*
- Green cestrum (*Cestrum parqui*)*
- Lantana (*Lantana camara*)*

Groundcovers, herbs, grasses

- African lovegrass (*Eragrostis curvula*)*
- Balloon vine (*Cardiospermum grandiflorum*)*
- Black-berry nightshade (*Solanum nigrum*)*
- Cobbler's pegs (*Bidens pilosa*)*
- Common reed (*Phragmites australis*)
- Common sow thistle (*Sonchus oleraceus*)*
- Curled dock (*Rumex crispus*)*
- Field mustard (*Brassica rapa*)*
- Fireweed (*Senecio madagascariensis*)*
- Inkweed (*Phytolacca octandra*)*
- Kikuyu (*Cenchrus clandestinus*)*
- Lamb's tongues (*Plantago lanceolata*)*
- Paddy's lucerne (*Sida rhombifolia*)*
- Paspalum (*Paspalum dilatatum*)*
- Purpletop (*Verbena bonariensis*)*
- Rhodes grass (*Chloris gayana*)*

Climbers

- Balloon vine (*Cardiospermum grandiflorum*)*
- Turkey rhubarb (*Rumex sagittatus*)*

Note: * denotes an introduced species

4.2.3 Isolated native trees

Within the study area there are two small areas of isolated mature native trees (one on either side of the river) upstream of the current timber bridge (**Figure 4.1**). On the northern riverbank there are four individual trees (**Plate 4-1**) and on the southern approach to the bridge are seven individual trees (**Plate 4-2**). Surrounding vegetation has been heavily cleared including upper, middle, and ground stratus. These trees are predominantly river oak. Species include:

- River oak (*Casuarina cunninghamiana* subsp. *cunninghamiana*)
- Forest red gum (*Eucalyptus tereticornis*)



Plate 5-2. Isolated native trees on the northern riverbank.



Plate 5-3. Isolated native trees on the southern riverbank.

4.2.4 Disturbed land

The remaining land within the study area is considered disturbed land. This includes the roads, roadsides, approaches, bridge, river, and riverbed (**Figure 4.1**). The extent of disturbed land within the study area is 1.65 ha.



Figure 5.1. Vegetation identified in the study area.

4.3 Fauna habitats

4.3.1 Terrestrial habitat

The existing timber bridge was identified as potential roosting and/or breeding habitat for microbat species. A targeted microbat survey was conducted on 14 August and 15 August 2023 (**Appendix A**). Numerous cavities were identified in the bridge structure. Not all bridge cavities could be searched due to cavity shape and length, and the water under the middle section of the bridge was too deep and flowing to safely access. In the cavities that were able to be viewed there were no signs of microbats observed. However, bat detector results revealed calls of the Southern Myotis *Myotis macropus* during the exit watch period. The Southern Myotis is a listed threatened species under the BC Act.

No hollow bearing trees were identified within the study area. Four stag trees were identified on the northern side of the river (**Plate 4-1**) and one on the southern side. No nests, dreys, or significant feed trees were identified on site. One koala use tree species – *Eucalyptus tereticornis* (forest red gum) is present in the study area (see **Section 4.3.3**).



Plate 5-4. Stag trees located on the northern bank of the river.

4.3.2 Aquatic habitat

A search of the Department of Primary Industries Fisheries NSW Spatial Data Portal on 30 July 2023 indicated that the study area contains:

- Key Fish Habitat – Central Rivers
- Good freshwater fish community status

The study area is not mapped as habitat for any threatened aquatic species.

A search of the Atlas of Groundwater Dependent Ecosystems (GDE) (BOM, 2023) on 30 July identified the Hunter River as a high potential GDE.

An aquatic habitat assessment was conducted from the bridge, the exposed riverbed, and the southern bank of the Hunter River to assess aquatic habitat and condition.

There was very little overhanging vegetation present with the exception of some river oaks on the southern riverbank. The willow trees which were dormant at the time of inspection also have the potential to provide overhanging vegetation. Snags in the form of several fallen trees were located downstream and upstream of the bridge. Most of these were laying on the exposed riverbed at the time of inspection due to the water level in the river. These appear to have been uprooted by previous flood events. The remains of two previous timber bridges located upstream and downstream would also provide potential habitat for aquatic species. The water was relatively clear at the time of inspection with no odours present. The exposed riverbed revealed a combination of fine to coarse sand with some gravels and cobbles present. Minimal submerged aquatic vegetation was present.

In accordance with the *Fisheries NSW Policy and Guidelines for Fish Habitat Conservation and Management* (DPI, 2013) the study area is regarded as Class 1 – Major key fish habitat and Type 1 – Highly sensitive key fish habitat based on the following criteria:

- Marine or estuarine waterway or permanently flowing or flooded freshwater waterway (e.g. river or major creek), habitat of a threatened or protected fish species or ‘critical habitat’.
- Freshwater habitats that contain in-stream gravel beds, rocks greater than 500 mm in two dimensions, snags greater than 300 mm in diameter or 3 metres in length, or native aquatic plants.

4.3.3 Koala habitat

The study area contains one koala use tree species – *Eucalyptus tereticornis* (forest red gum), listed under the Central Coast Koala Management Area in Schedule 3 of the *State Environmental Planning Policy (Biodiversity and Conservation) 2021* (B&C SEPP). There were four individual, mature forest red gum trees identified on site in the areas identified as isolated native trees (**Figure 4.1**).

The NSW BioNet Atlas identified six historic records of koalas within 5 km of the study area. One recorded location is directly downstream of the study area. However, this record was recorded in 2004 (19 years ago) and has a locational accuracy of 10,000 metres. The next closest record with any accuracy is approximately 5 km to the south-east of the study area and was recorded in 2018 (5 years ago).

It is considered unlikely that the study area or surrounding areas provide habitat for koalas.

4.3.4 Wildlife corridors

Considerable clearing in the immediate vicinity of the study area for rural land use and urbanisation has resulted in disturbed and fragmented vegetation with reduced habitat connectivity. Despite this, the riparian vegetation associated with the Hunter River provides a narrow and fragmented wildlife corridor with potential linkages to local and regional areas of habitat to the north, east and west.

4.4 Fauna

Fauna recorded in the study area during inspections of the site in August 2023 are listed in **Table 4.1**. The threatened Southern Myotis (*Myotis macropus*) was recorded during microbat surveys using bat detector units. Based on the numerous suitable cavities identified in the bridge structure and bat call recordings it is assumed likely that the Southern Myotis is roosting in the timber bridge.

Table 5.1. Fauna recorded in the study area.

Scientific name	Common name	Status	
		BC Act	EPBC Act
Mammals			
<i>Chalinolobus gouldii</i>	Gould’s Wattled Bat	-	-
<i>Myotis macropus</i>	Southern Myotis	V	-
Birds			
<i>Cracticus nigrogularis</i>	Pied Butcherbird	-	-
<i>Egretta novaehollandiae</i>	White-faced Heron	-	-
<i>Eolophus roseicapilla</i>	Galah	-	-
<i>Grallina cyanoleuca</i>	Magpie-lark	-	-
<i>Malurus cyaneus</i>	Superb Fairy-wren	-	-
<i>Manorina melanocephala</i>	Noisy Miner	-	-
<i>Platycercus eximius</i>	Eastern Rosella	-	-
<i>Rhipidura leucophrys</i>	Willie Wagtail	-	-
<i>Trichoglossus haematodus</i>	Rainbow Lorikeet	-	-

V = vulnerable.

4.5 Priority weeds

The *Biosecurity Act 2015* is the key legislation regulating weed management in New South Wales. The act provides for the prevention, elimination, minimisation and management of biosecurity risks posed by particular weed species known as 'priority weeds'. To assist land managers across NSW, these priority weeds are listed in a Regional Strategic Weed Management Plan for each of the 11 regions in the state. Priority weeds can be listed as a State priority and/or a regional priority and can have mandatory or recommended measures associated with their management. See **Appendix B** (DPI, 2023b) for further information.

The following introduced flora observed in the study area are listed as priority weeds in the Hunter Regional Strategic Weed Management Plan 2023 – 2027 (HLLS, 2022).

Table 5.2. Priority weeds recorded in the study area.

Common name	Scientific name
State Priority Weeds	
Lantana	<i>Lantana camara</i>
Willow species^	<i>Salix</i> spp.^
Regional Priority Weeds (Hunter)	

African lovegrass	<i>Eragrostis curvula</i>
African olive	<i>Olea europaea</i> subsp. <i>cuspidata</i>
Giant reed	<i>Arundo donax</i>
Green cestrum	<i>Cestrum parqui</i>
Black locust	<i>Robinia pseudoacacia</i>
Lantana	<i>Lantana camara</i>

^except *S. babylonica*, *S. X calodendron* and *S. x reichardtiji*

4.6 Groundwater dependent ecosystems

A search of the Atlas of Groundwater Dependent Ecosystems (GDE) (BOM, 2023) on 30 July identified the Hunter River as a high potential GDE. Vegetation along the banks of the river is also mapped as a high potential terrestrial GDE.

4.7 Threatened species, populations, and ecological communities

Table 4.3 lists threatened species, populations and ecological communities that were recorded within the study area during surveys and those threatened species, populations and ecological communities identified in the BioNet Atlas of NSW (DPE, 2023) (**Appendix C**) and the Protected Matters Search Tool (DCCEE, 2023) (**Appendix D**) as being known to occur or its habitat known to occur in the area.

An assessment of the likelihood of occurrence in the study area was made for each species, population or community based on known and predicted range, whether suitable habitat is available in the study area, and previous records in the locality. Each species, population or community was allocated one of the following terms for likelihood of occurring in the study area:

Recorded: has been observed in the study area

Likely: medium to high likelihood that it occurs in the study area

Potential: suitable habitat occurs in the study area, but it is not likely to occur

Unlikely: very low to low likelihood that it occurs in the study area

Not expected: habitat in the study area and in the vicinity is unsuitable

The potential (**Yes** or **No**) for each to be significantly impacted by the proposal was also determined.

Table 5.3. Threatened species, populations and communities recorded within or with potential to occur in the study area.

Species, Population or Community		Status		Likelihood of occurring	Potential to be significantly impacted
Common name	Scientific name	BC Act	EPBC Act		
Ecological Communities					
Lower Hunter Tuckeroo Riparian Rainforest		V, E	CE	Unlikely	No. This community and associated threatened ecological communities have not been identified in the study area or surrounding areas. No clearing of native vegetation will occur.
Flora					
Cymbidium canaliculatum population in the Hunter Catchment	<i>Cymbidium canaliculatum</i>	E	-	Unlikely	No. Study area is within the known range for this species, however none of the common host trees it is associated with occur in the study area. No stag trees or native vegetation will be removed.
Eucalyptus camaldulensis population in the Hunter catchment	<i>Eucalyptus camaldulensis</i>	E	-	Unlikely	No. This species has not been identified in the study area. No clearing of native vegetation will occur.
Heath Wrinklewort	<i>Rutidosia heterogama</i>	V	V	Unlikely	No. Not suitable habitat. Only one record within 10 km since 1908.
Illawarra Greenhood, Rufa Greenhood, Pouched Greenhood	<i>Pterostylis gibbosa</i>	E	E	Not expected	No. Associated with dry sclerophyll forests or grassy woodlands. Not suitable habitat.
Magenta Lilly Pilly	<i>Syzygium paniculatum</i>	E	V	Not expected	No. No rainforest habitat present in study area.
Native Guava	<i>Rhodomyrtus psidioides</i>	CE	CE	Not expected	No. Suitable rainforest and wet forest not present in study area.

Species, Population or Community		Status		Likelihood of occurring	Potential to be significantly impacted
Common name	Scientific name	BC Act	EPBC Act		
Slaty Red Gum	<i>Eucalyptus glaucina</i>	V	V	Not expected	No. Grows in grassy woodland and dry eucalypt forest on deep, moderately fertile and well-watered soils.
White-flowered Wax Plant	<i>Cynanchum elegans</i>	E	E	Not expected	No. No suitable rainforest habitat present.
Mammals					
Brush-tailed Phascogale	<i>Phascogale tapoatafa</i>	V	-	Unlikely	No. No clearing of native vegetation will occur. No removal of hollow-bearing trees or recruitment trees.
Eastern Cave Bat	<i>Vespadelus troungtoni</i>	V	-	Unlikely	No. No clearing of native vegetation will occur.
Eastern Coastal Free-tailed Bat	<i>Micronomus norfolkensis</i>	V	-	Potential	No. Not recorded during microbat surveys. No potential impact on this species expected.
Eastern False Pipistrelle	<i>Falsistrellus tasmaniensis</i>	V	-	Potential	No. No clearing of native vegetation will occur. No removal of hollow-bearing trees or disturbance of other potential roosting habitat.
Greater Broad-nosed Bat	<i>Scoteanax rueppellii</i>	V	-	Potential	No. No clearing of native vegetation will occur. No removal of hollow-bearing trees.
Grey-headed Flying-fox	<i>Pteropus poliocephalus</i>	V	V	Potential	No. Commonly recorded in surrounding areas, particularly to the south. No roosting camps identified within the study area or surrounding area. No removal of potential feed trees.
Koala	<i>Phascolarctos cinereus</i>	E	E	Unlikely	No. See Section 4.3.3.
Large Bent-winged Bat	<i>Miniopterus orianae oceanensis</i>	V	-	Potential	No. Not recorded during microbat surveys. No potential impact on this species expected.
Large-eared Pied Bat, Large Pied Bat	<i>Chalinolobus dwyeri</i>	V	V	Unlikely	No. Prefers well-timbered areas. Roosts in caves, crevices in cliffs, old mines, and in the disused, mud nests of the Fairy Martin. Not recorded during targeted microbat surveys. No potential impact on this species expected.

Species, Population or Community		Status		Likelihood of occurring	Potential to be significantly impacted
Common name	Scientific name	BC Act	EPBC Act		
Little Bent-winged Bat	<i>Miniopterus australis</i>	V	-	Potential	No. Not recorded during targeted microbat surveys. No potential impact on this species expected.
New Holland Mouse, Pookila	<i>Pseudomys novaehollandiae</i>	-	V	Not expected	No. No suitable habitat. Inhabits open heathlands, woodlands and forests with a heathland understorey and vegetated sand dunes.
Southern Myotis	<i>Myotis macropus</i>	V	-	Recorded	Yes. Recorded in the study area. Proposal includes the removal of existing timber bridge which is potential habitat for this species. A Test of Significance was conducted for this species in Appendix E.
Spotted-tailed Quoll	<i>Dasyurus maculatus</i>	V	E	Unlikely	No. No hollow-bearing trees or logs will be removed.
Squirrel Glider	<i>Petaurus norfolcensis</i>	V	-	Unlikely	No. No clearing of native vegetation will occur. No removal of hollow-bearing trees or food resources.
Yellow-bellied Sheath-tail-bat	<i>Saccolaimus flaviventris</i>	V	-	Unlikely	No. Not recorded during microbat surveys. No clearing of native vegetation will occur. No removal of hollow-bearing trees.
Birds					
Australasian Bittern	<i>Botaurus poiciloptilus</i>	E	E	Not expected	No. Not suitable habitat. Favours permanent freshwater wetlands with tall, dense vegetation, particularly <i>Typha</i> spp. and <i>Eleocharis</i> spp..
Australian Painted Snipe	<i>Rostratula australis</i>	E	E	Not expected	No. Not suitable habitat. Prefers fringes of swamps, dams and nearby marshy areas where there is a cover of grasses, lignum, low scrub or open timber.
Black-necked Stork	<i>Ephippiorhynchus asiaticus</i>	E	-	Not expected	No. Prefers wetland habitats.
Blue-billed Duck	<i>Oxyura australis</i>	V	-	Not expected	No. Prefers deep water in large permanent wetlands and swamps with dense aquatic vegetation. Only one record within 10 km since 1990.
Curlew Sandpiper	<i>Calidris ferruginea</i>	E	CE, C, J, K	Not expected	No. Not suitable habitat. Occupies littoral and estuarine habitats, and is mainly found in intertidal

Species, Population or Community		Status		Likelihood of occurring	Potential to be significantly impacted
Common name	Scientific name	BC Act	EPBC Act		
					mudflats of sheltered coasts. Also occurs in non-tidal swamps, lakes and lagoons on the coast and sometimes inland.
Eastern Osprey	<i>Pandion cristatus</i>	V	-	Unlikely	No. Favours coastal areas, especially the mouths of large rivers, lagoons and lakes. Feed on fish over clear, open water. No stag trees will be removed.
Grey-crowned Babbler (eastern subspecies)	<i>Pomatostomus temporalis temporalis</i>	V	-	Potential	No. No clearing of native vegetation including feed trees will occur.
Latham's Snipe	<i>Gallinago hardwickii</i>	-	J, K	Unlikely	No. Prefers freshwater, saline or brackish wetlands, usually freshwater swamps, flooded grasslands or heathlands.
Little Lorikeet	<i>Glossopsitta pusilla</i>	V	-	Potential	No. No clearing of native vegetation including feed trees will occur.
Magpie Goose	<i>Anseranas semipalmata</i>	V	-	Not expected	No. Prefers shallow wetlands with dense growth of rushes or sedges.
Oriental Cuckoo, Horsfield's Cuckoo	<i>Cuculus optatus</i>	-	C, J, K	Unlikely	No. No native vegetation will be removed. Vegetation likely too sparse. Prefers thick riverine vegetation. No records within 10 km of study area.
Pectoral Sandpiper	<i>Calidris melanotos</i>	-	J, K	Unlikely	No. Favours shallow fresh to saline wetlands, including coastal lagoons, estuaries, bays, swamps, lakes, inundated grasslands, saltmarshes, floodplains and artificial wetlands. Can utilise river pools and creeks, but not previously recorded within 10 km of study area.
Regent Honeyeater	<i>Anthochaera phrygia</i>	CE	CE	Potential	No. No native vegetation clearing will occur. Not likely to breed or forage in the study area due to lack of preferred habitat with significantly large numbers of

Species, Population or Community		Status		Likelihood of occurring	Potential to be significantly impacted
Common name	Scientific name	BC Act	EPBC Act		
					mature trees, high canopy cover and abundance of mistletoes.
Sharp-tailed Sandpiper	<i>Calidris acuminata</i>	-	C, J, K	Not expected	No. Not suitable habitat. Likes shallow fresh or brackish wetlands, with inundated or emergent sedges, grass, saltmarsh or other low vegetation.
Speckled Warbler	<i>Chthonicola sagittata</i>	V	-	Unlikely	No. No clearing of native vegetation will occur. No removal of fallen timber will occur.
Swift Parrot	<i>Lathamus discolor</i>	E	CE	Unlikely	No. No clearing of native vegetation will occur. Only one record within 10 km of the study area (2017).
Varied Sittella	<i>Daphoenositta chrysoptera</i>	V	-	Unlikely	No. No clearing of native vegetation will occur.
White-bellied Sea-Eagle	<i>Haliaeetus leucogaster</i>	V	-	Potential	No. No clearing of native vegetation or stag trees will occur.
White-fronted Chat	<i>Epthianura albifrons</i>	V	-	Unlikely	No. No clearing of native vegetation will occur. No modification of river flow will occur.
White-throated Needletail	<i>Hirundapus caudacutus</i>	-	V,C,J,K	Unlikely	No. More common in coastal areas, less so inland. No recent records in the vicinity. No native vegetation clearing will occur.
Amphibians					
Green and Golden Bell Frog	<i>Litoria aurea</i>	E	V	Unlikely	No. Preferred habitat was not identified in the study area. Most recent record within 10 km in 2008.
Littlejohn's Tree Frog	<i>Litoria littlejohni</i>	E	E	Not expected	No. Outside of known and predicted range. Not suitable habitat.

CE=critically endangered, E=endangered, V=vulnerable. The following are Commonwealth migratory bird agreements: C=CAMBA, J=JAMBA, K=ROKAMBA.

6. Impact assessment

Threatened species, populations and communities listed under the BC Act and EPBC Act that have the potential to occur within the study area have been identified in **Table 4.3** and further discussed in the Ecological Assessment of Impact on Threatened Entities provided in **Appendix E**. The impact assessment has been informed by the following analysis of impacts.

5.1 Vegetation

The proposed works will involve the removal of one willow tree on the southern approach to the bridge. No other trees will be removed. Clearing of non-native vegetation will be required on the northern and southern approaches to the bridge which is approximately 0.1 ha in total.

A summary of the vegetation to be impacted by the proposal is provided in **Table 5.1**.

Table 6.1. Vegetation impacted by the proposal.

Plant community type (PCT)	Extent in the study area (ha)	Area to be removed (ha)
River Oak – White Cedar Grassy Riparian Forest of the Dungog Area and Liverpool Ranges	0.26	-
Non-native vegetation	0.89	0.1
Total	1.15*	0.1

* Remainder of study area is disturbed land.

The study area and surroundings are heavily infested with weeds which have the potential to spread further during construction works and following the disturbance of soils.

5.2 Terrestrial fauna habitat

Removal of the existing timber bridge has the potential to impact on the threatened Southern Myotis (Fauna Field Ecology, 2023). A Test of Significance was conducted for this species in **Appendix E** which determined that the proposal would not have a significant impact on the Southern Myotis.

Fallen trees on the currently exposed areas of the riverbed have the potential to provide habitat. However, their current locations suggest that they are unlikely to be disturbed during construction.

No hollow-bearing trees or stag trees will be removed.

5.3 Aquatic habitat

Construction activities associated with the proposal have the potential to impact on water quality of the Hunter River via spills and leaks from machinery or soils and construction materials entering the waterway. This could result in contamination or increased turbidity of the waterway and reduce the quality of habitat for aquatic species.

The proposed works have the potential to intercept groundwater during construction works such as piling works and dewatering may be required. This also has the potential to impact on receiving water quality.

Snags, in the form of fallen trees laying in the riverbed could provide habitat for aquatic species when the water level of the river is higher. Their current locations suggest that they are unlikely to be disturbed during construction.

The remains of two previous timber bridges located upstream and downstream would also provide potential habitat for aquatic species, however these will not be impacted.

5.4 Noise, vibration and light impacts

Noise and vibration from the construction activities have the potential to disturb microbats roosting in the existing timber bridge. However, the Southern Myotis is known to be relatively tolerant of disturbances including the noise and vibration from vehicles crossing bridges where they are roosting.

No night work lighting would be required during the construction works as it will be carried out in standard work hours.

5.5 Operational impacts

The operation of the proposed new concrete bridge is likely to result in a reduction in noise and vibration for fauna in comparison to the existing timber bridge. This is particularly true for microbat species that may roost under the new structure in the microbat boxes proposed to be installed under the new concrete structure.

Rehabilitation of the disturbed areas with local provenance native trees, shrubs and grasses will likely improve the quality of the habitat once established.

5.6 Cumulative impacts

Cumulative impacts are unlikely as a result of the proposed project. No other construction activities are known to be occurring in the vicinity of the study area and cumulative impacts on biodiversity are unlikely due to the already disturbed terrestrial environment.

The study area is regarded as Class 1 – Major key fish habitat and Type 1 – Highly sensitive key fish habitat according to the *Fisheries NSW Policy and Guidelines for Fish Habitat Conservation and Management* (DPI, 2013). Cumulative impacts on the Hunter River are unlikely to occur due to mitigation measures listed in **Section 6**. No additional construction activities are known to be occurring that may cause cumulative impacts to the river.

5.7 Matters of National Environmental Significance

A search of the EPBC Protected Matters Search Tool (DCCEEW, 2023) was completed on 19 July 2023 and a report has been included as **Appendix D**. **Table 4.4** contains a summary of an assessment of potential impacts to Matters of National Environmental Significance (MNES).

Table 6.2. Consideration of Matters of National Environmental Significance and Other Protected Matters.

MNES	Applicability to the proposal
World Heritage Properties	Not applicable
National Heritage Places	Not applicable
Wetlands of International Importance (Ramsar Wetlands)	The Hunter Estuary Wetlands Ramsar listed site is located approximately 25 km south-east (straight line distance) from the study area. The distance to the wetland via the Hunter River is approximately 50 km downstream. The proposal would not result in any impact on this Ramsar site.

Threatened species and ecological communities	The Protected Matters Report identified 32 threatened fauna species and 21 threatened flora species that could potentially occur within a 10 km radius of the proposed project. Likelihood of these occurring in the study area (via examining records held by DPE (2023) and availability of habitat) is provided in Table 4.3 . No threatened species were recorded or determined as likely to occur in the study area. No threatened species were determined as likely to be impacted by the proposal.
Migratory species	The Protected Matters Report identified 18 listed migratory species that could potentially occur within a 10 km radius of the study area. Likelihood of these occurring in the study area (via examining records held by DPE (2023) and availability of habitat) is provided in Table 4.3 . No listed migratory species were recorded or determined as likely to occur in the study area. No migratory species were determined as likely to be impacted by the proposal.
Commonwealth marine areas	Not applicable
Great Barrier Reef Marine Park	Not applicable
Nuclear actions (including uranium mines)	Not applicable
Water resources (concerning coal seam gas and large coal mining development).	Not applicable
Commonwealth land	Not applicable

5.7 Tests of significance

The following tests of significance were undertaken for threatened species and ecological communities that were identified in **Table 4.3** as having potential to be significantly impacted by the proposal.

5.7.1 Biodiversity Conservation Act 2016 (BC Act)

The objective of Section 7.3 of the BC Act (the test of significance) is to provide standardised and transparent consideration of threatened species and ecological communities, and their habitats, through the development assessment process.

Impacts to threatened species and ecological communities listed under the BC Act have been assessed via a test of significance according to the *Threatened Species Test of Significance Guidelines* (OEH, 2018) which is presented in **Appendix E**.

5.8 Permits

The proposed project may require the following permits under the FM Act for:

- Dredging and reclamation work permit under Section 200.
- Blockage of passage of fish under Section 219.

Consultation with NSW Department of Primary Industries (DPI) will be required to determine what permit/s are required.

7. Mitigation measures

The following mitigation measures will be implemented to avoid or minimise potential impacts on biodiversity as a result of the proposed project.

6.1 Vegetation

- Location of the new bridge and related works will avoid all native vegetation areas.
- Disturbance of non-native vegetation is limited to the minimum areas required for the project to be completed.
- Disturbed areas will be revegetated with suitable local provenance native trees, shrubs and grasses.
- Native vegetation including the areas mapped as **River Oak - White Cedar Grassy Riparian Forest** and **isolated native trees** are not disturbed or removed.
- Native vegetation areas will be marked as 'No Access' zones using para-webbing or similar - no access allowed for vehicles, machinery, or workers. No materials to be stored in these areas.
- Spoil from clearing works is to be stockpiled outside of any native vegetation areas and outside of the dripline (usually 5 metres) of any trees.
- Targeted priority weed management will be undertaken prior to, during and post construction where required.
- Remove and dispose of weed waste materials including any fruit or seed.
- Parking vehicles, storing materials or placing stockpiles within the dripline of trees (usually 5 metres) will be avoided.

6.2 Terrestrial fauna

- Implement safeguards determined by microbat specialist in Microbat Habitat Assessment Report (**Appendix A**) which include:
 - Microbat specialist to determine the requirements and location of baffles/shields to minimise disturbance to microbats roosting on the timber bridge during construction of new concrete bridge.
 - Install minimum of 2 microbat boxes under the new concrete bridge as soon as possible once constructed.
 - Microbat specialist to carry out two more visual inspections and dusk watches within two to three weeks prior to timber bridge removal.
 - Existing timber bridge is removed outside of Southern Myotis breeding period. Breeding period is late September to early April. Preferable removal would be in April /May or August to avoid overwintering period.

- Exclusion barriers put in place on both sides of the entire length of the timber bridge, 4 – 5 nights prior to scheduled removal.
- Microbat specialist to be present during the removal of the existing timber bridge.
Note: Some sections of the dismantled timber bridge may need to remain on site overnight to allow for bats to leave the structure, depending on conditions.
- Do not remove or disturb any fallen trees on site. If fallen trees are required to be moved, then they will be placed back in a location as close to the original position as possible.
- Do not remove any dead standing trees.
- Do not disturb or harm any fauna found on site.
- If native fauna is injured or trapped on site, contact the local National Parks & Wildlife office or a licensed wildlife rescue and rehabilitation group in the local area to arrange for collection/removal from site.

6.3 Aquatic habitat

- Do not remove or disturb any fallen trees on site. If fallen trees are required to be moved, then they will be placed back in a location as close to the original position as possible.
- A floating boom/silt curtain would be installed downstream of the new bridge within the Hunter River. Silt curtains will be installed so that they do not block fish passage.
- A site-specific Soil and Water Management Plan (SWMP) incorporating an Erosion and Sediment Control Plan (ESCP) will be developed in accordance with The Blue Book – Managing Urban Stormwater: Soils and Construction (Landcom, 2004). This will form part of the Construction Environmental Management Plan (CEMP) and will be implemented throughout the construction period.
- A Groundwater Management Plan (GMP) will be developed and implemented as part of the CEMP. This will detail methodologies and management measures if dewatering is required. Dewatering is to be managed and monitored to ensure existing receiving water quality is maintained. Controls may include:
 - dewatering onto a vegetated area.
 - filtering through sediment controls such as sediment fence, straw bales and/or sandbags.
 - If visual impacts (i.e. discolouration, increased turbidity) is observed, dewatering activity must cease immediately.
- A spill response plan (SRP) will be developed for the project. This plan will detail measures including spill prevention, containment, and clean-up of accidental spills of oils, fuels and chemicals.
- An emergency spill kit will be kept on site at all times. All persons on site are to be made aware of the location of the spill kit and trained in its use.

- Refuelling of minor plant and equipment is to occur in bunded areas located a minimum of 40 metres from the Hunter River, drainage lines or other waterways.
- Do not store equipment and materials within 40m of watercourses.

8. Conclusion

The proposed upgrade of Melville Ford Bridge will result in the removal of 0.1 ha of non-native vegetation only. No threatened ecological communities listed under the BC Act and/or the EPBC Act were identified on site.

A targeted survey for threatened microbat species listed under the BC Act and/or the EPBC Act identified that the existing timber bridge proposed for removal is likely roosting habitat and potential breeding habitat for the Southern Myotis, which is listed as vulnerable under the BC Act. A Test of Significance according to Section 7.3 of the BC Act (**Appendix E**) was conducted for the Southern Myotis, which determined that the proposal would not have a significant impact on the species.

No other threatened flora and fauna species, populations, or ecological communities, listed under the BC Act, FM Act, and/or the EPBC Act were identified within or determined likely to occur in the study area. No species impact statement (SIS) or biodiversity development assessment report (BDAR) is required for the proposal.

The proposal is not likely to significantly impact a matter of national environmental significance or Commonwealth land. Therefore, there is no need to make a referral to DCCEEW under the EPBC Act.

The proposal is not likely to have a significant impact on the environment and therefore there is no need for an Environmental Impact Statement (EIS) to be prepared under the EP&A Act.

Consultation with NSW Department of Primary Industries (DPI) will be required as the proposed project may require a permit under the FM Act for:

- Dredging and reclamation work permit under Section 200.
- Blockage of passage of fish under Section 219.

The proposed works would have some minor, short-term biodiversity impacts which can be ameliorated satisfactorily through the implementation of the specific mitigation measures listed in this report.

9. References

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Ecological Assessment of Impact on Threatened Entities

NSW Biodiversity Conservation Act 2016 Test of significance

The **Southern Myotis (*Myotis macropus*)** is listed as Vulnerable under the *Biodiversity Conservation Act 2016* (BC Act). This test of significance has been developed in accordance with the *Threatened Species Test of Significance Guidelines* (OEH, 2018).

Key terminology

Composition: both the plant and animal species present, and the physical structure of the ecological community. Note that while many ecological communities are identified primarily by their vascular plant composition, an ecological community consists of all plants and animals as defined under the BC Act that occur in that ecological community.

Direct impacts: are those that directly affect the habitat of species and ecological communities and of individuals using the study area. They include, but are not limited to, death through predation, trampling, poisoning of the animal/plant itself and the removal of suitable habitat. When applying each factor, consideration must be given to all of the likely direct impacts of the proposed activity or development. When applying each factor, both long-term and short-term impacts are to be considered.

Extent: the physical area removed and/or the compositional components of the habitat and the degree to which each is affected.

Habitat: the area occupied or used, including areas periodically or occasionally occupied or used, by any threatened species or ecological community and includes all the different aspects (both biotic and abiotic) used by species during the different stages of their life cycles.

Importance: related to the stages of the species' life cycles and how reproductive success may be affected.

Indirect impacts: occur when project-related activities affect species or ecological communities in a manner other than direct loss within the subject site. Indirect impacts may sterilise or reduce the habitability of adjacent or connected habitats. Indirect impacts can include loss of individuals through starvation, exposure, predation by domestic and/or feral animals, loss of breeding opportunities, loss of shade/shelter, reduction in viability of adjacent habitat due to edge effects, deleterious hydrological changes, increased soil salinity, erosion, inhibition of nitrogen fixation, weed invasion, noise, light spill, fertiliser drift, or increased human activity within or directly adjacent to sensitive habitat areas. As with direct impacts, consideration must be given, when applying each factor, to all of the likely indirect impacts of the proposed activity or development. When applying each factor, both long-term and short-term impacts are to be considered.

Life cycle: the series or stages of reproduction, growth, development, ageing and death of an organism.

Local occurrence: the ecological community that occurs within the study area. However, the local occurrence may include adjacent areas if the ecological community on the study area forms part of a larger contiguous area of that ecological community and the movement of individuals and exchange of genetic material across the boundary of the study area can be clearly demonstrated.

Local population: the population that occurs in the study area. The assessment of the local population may be extended to include individuals beyond the study area if it can be clearly demonstrated that contiguous or interconnecting parts of the population continue beyond the study area, according to the following definitions:

- The *local population* of a threatened *plant* species comprises those individuals occurring in the study area or the cluster of individuals that extend into habitat adjoining and contiguous with the study area that could reasonably be expected to be cross-pollinating with those in the study area.
- The *local population* of *migratory or nomadic fauna* species comprises those individuals that are likely to occur in the study area from time to time or return year to year.
- The *local population* of *resident fauna* species comprises those individuals known or likely to occur in the study area, as well as any individuals occurring in adjoining areas (contiguous or otherwise) that are known or likely to utilise habitats in the study area.

In cases where multiple populations occur in the study area, each population should be assessed separately.

Locality: the same meaning as ascribed to local population of a species or local occurrence of an ecological community.

Risk of extinction: the likelihood that the local population will become extinct either in the short term or in the long term as a result of direct or indirect impacts on the viability of that population.

Study area: means the subject site and any additional areas which are likely to be affected by the proposal, either directly or indirectly. The study area should extend as far as is necessary to take all potential impacts into account.

Subject site: means the area directly affected by the proposal. The subject site includes the footprint of the development and any ancillary works, facilities, accesses or hazard reduction zones that support the construction or operation of the development or activity.

Viable: the capacity to successfully complete each stage of the life cycle under normal conditions.

Southern Myotis (*Myotis Macropus*) – Test of Significance

Section (BC Act)	Question	Response
7.3.1 a)	In the case of a threatened species, whether the proposed development or activity is likely to have an adverse effect on the life cycle of the species such that a viable local population of the species is likely to be placed at risk of extinction	<p>The existing timber bridge (Melville Ford Bridge) is likely roosting habitat and potential breeding habitat for the Southern Myotis. However, the number of Southern Myotis calls recorded in the study area suggest that there are only a small number of individuals (likely 1 or 2) currently using the bridge as habitat (Fauna Field Ecology, 2023). This species is generally known to roost in groups of 10 – 15 (OEH, 2020).</p> <p>The timber bridge, which will be removed as part of the proposal, is regularly inundated and therefore is not likely to be a successful long-term breeding/maternity colony location for the species.</p> <p>The species is highly mobile and although no hollows were identified within the study area, there is likely to be alternative suitable roosting and breeding habitat in the riparian vegetation located directly upstream and downstream of the site that could be utilised by this species.</p> <p>The proposal is not likely to have an adverse effect on the life cycle of the Southern Myotis, such that a viable local population would be placed at risk of extinction.</p>
7.3.1 b) (i)	<p>In the case of an endangered ecological community or critically endangered ecological community, whether the proposed development or activity:</p> <ul style="list-style-type: none"> is likely to have an adverse effect on the extent of the ecological community such that its local occurrence is likely to be placed at risk of extinction, or 	Not applicable.

Section (BC Act)	Question	Response
7.3.1 b) (ii)	<p>In the case of an endangered ecological community or critically endangered ecological community, whether the proposed development or activity:</p> <ul style="list-style-type: none"> is likely to substantially and adversely modify the composition of the ecological community such that its local occurrence is likely to be placed at risk of extinction 	Not applicable.
7.3.1 c) (i)	<p>In relation to the habitat of a threatened species or ecological community:</p> <ul style="list-style-type: none"> the extent to which habitat is likely to be removed or modified as a result of the proposed development or activity 	<p>The existing timber bridge (Melville Ford Bridge) will be permanently removed as part of the proposal. The bridge contains numerous cavities that could be suitable roosting habitat for this species; the bridge is 62 metres long and 5 metres wide. However, the Southern Myotis will often choose to roost under the middle section of a bridge, directly above the main channel of the waterway (Fauna Field Ecology, 2023). This is likely what is occurring on site, as the cavities under either end of the bridge were visually inspected, showing no signs of the species. However, the cavities under the middle of the bridge (above the deepest water channel) could not be visually inspected, and calls of the species were recorded during the exit watch period.</p> <p>There will be minor changes to the foraging habitat within the study area with the removal of the timber bridge and construction of a new concrete bridge. This is considered negligible as the water surface available to the species for catching its favoured prey of aquatic insects and fish will remain the same. No other potential roosting or breeding habitat for this species (such as tree hollows, dense foliage, stormwater channels, culverts, buildings) (Menkhorst & Knight, 2004; Churchill, 2008) will be removed or modified.</p>

Section (BC Act)	Question	Response
7.3.1 c) (ii)	<p>In relation to the habitat of a threatened species or ecological community:</p> <ul style="list-style-type: none"> whether an area of habitat is likely to become fragmented or isolated from other areas of habitat as a result of the proposed development or activity 	The Southern Myotis is a highly mobile species. The removal of the timber bridge is not likely to fragment or isolate habitat for this species in the locality.
7.3.1 c) (iii)	<p>In relation to the habitat of a threatened species or ecological community:</p> <ul style="list-style-type: none"> the importance of the habitat to be removed, modified, fragmented or isolated to the long-term survival of the species, population or ecological community in the locality 	<p>Considering that the timber bridge is regularly inundated, it is less likely that it would be a successful long-term breeding/maternity colony location for the species.</p> <p>Microbat boxes which are suitable for this species will be installed under the new concrete bridge. The Southern Myotis is known to readily roost and breed in microbat boxes provided as compensatory habitat (TfNSW, 2023). This bridge will be two metres higher than the existing timber bridge and therefore not prone to inundation as frequently and subsequently a better long-term habitat option for the Southern Myotis.</p>
7.3.1 d)	Whether the proposed development or activity is likely to have an adverse effect on any declared area of outstanding biodiversity value (either directly or indirectly)	No areas of outstanding biodiversity value are located within or in proximity to the study area. No adverse effect is likely.
7.3.1 e)	Whether the proposed development or activity is or is part of a key threatening process or is likely to increase the impact of a key threatening process	The proposal is not a key threatening process or part of a key process, nor is it likely to increase the impact of a key threatening process. Although some clearing of vegetation will occur (0.1 ha) this is non-native vegetation and is unlikely to have an impact on the suitability of the study area for this species.
Conclusion	Is the proposal likely to significantly affect threatened species or ecological communities, or their habitats.	No.

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Background

A strategy to systematically prioritise, assess and respond to notifications under Section 60 of the *Contaminated Land Management Act 1997* (CLM Act) has been developed by the EPA. This strategy acknowledges the EPA's obligations to make information available to the public under *Government Information (Public Access) Act 2009*.

When a site is notified to the EPA, it may be accompanied by detailed site reports where the owner has been proactive in addressing the contamination and its source. However, often there is minimal information on the nature or extent of the contamination.

After receiving a report, the first step is to confirm that the report does not relate to a pollution incident. The Protection of the Environment Operations Act 1997 (POEO Act) deals with pollution incidents, waste stockpiling or dumping. The EPA also has an incident management process to manage significant incidents (<https://www.epa.nsw.gov.au/reporting-and-incidents/incident-management>).

In many cases, the information indicates the contamination is securely immobilised within the site, such as under a building or carpark, and is not currently causing any significant risks for the community or environment. Such sites may still need to be cleaned up, but this can be done in conjunction with any subsequent building or redevelopment of the land. These sites do not require intervention under the CLM Act, and are dealt with through the planning and development consent process. In these cases, the EPA informs the local council or other planning authority, so that the information can be recorded and considered at the appropriate time (<https://www.epa.nsw.gov.au/your-environment/contaminated-land/managing-contaminated-land/role-of-planning-authorities>).

Where indications are that the contamination could cause actual harm to the environment or an unacceptable offsite impact (i.e. the land is 'significantly contaminated'), the EPA would apply the regulatory provisions of the CLM Act to have the responsible polluter and/or landowner investigate and remediate the site. If the reported contamination could present an immediate or long-term threat to human health NSW Health will be consulted. SafeWork NSW and Water NSW can also be consulted if there appear to be occupational health and safety risks or an impact on groundwater quality.

As such, the sites notified to the EPA and presented in the list of contaminated sites notified to the EPA are at various stages of the assessment and remediation process. Understanding the nature of the underlying contamination, its implications and implementing a remediation program where required, can take a considerable period of time. The list provides an indication, in relation to each nominated site, as to the management status of that particular site. Further detailed information may be available from the EPA or the person who notified the site.

The following questions and answers may assist those interested in this issue.

Frequently asked questions

Why does my land appear on the list of notified sites?

Your land may appear on the list because:

- the site owner and/or the polluter has notified the EPA under section 60 of the CLM Act
- the EPA has been notified via other means and is satisfied that the site is or was contaminated.

If a site is on the list, it does not necessarily mean the contamination is significant enough to regulate under the CLM Act.

Does the list contain all contaminated sites in NSW?

No. The list only contains contaminated sites that EPA is aware of. If a site is not on the list, it does not necessarily mean the site is not contaminated.

The EPA relies on responsible parties and the public to notify contaminated sites.

How are notified contaminated sites managed by the EPA?

There are different ways the EPA can manage notified contaminated sites. Options include:

- regulation under the CLM Act, POEO Act, or both
- notifying the relevant planning authority for management under the planning and development process
- managing the site under the Protection of the Environment Operation (Underground Petroleum Storage Systems) Regulation 2014.

There are specific cases where contamination is managed under a tailored program operated by another agency (for example, the Resources & Geoscience's Legacy Mines Program).

What should I do if I am a potential buyer of a site that appears on the list?

You should seek advice from the seller to understand the contamination issue. You may need to seek independent contamination or legal advice.

The information provided in the list is indicative only and a starting point for your own assessment. Land contamination from past site uses is common, mainly in urban environments. If the site is properly remediated or managed, it may not affect the intended future use of the site.

Who can I contact if I need more information about a site?

You can contact the Environment Line at any time by calling 131 555 or by emailing info@environment.nsw.gov.au.

List of NSW Contaminated Sites Notified to the EPA

Disclaimer

The EPA has taken all reasonable care to ensure that the information in the list of contaminated sites notified to the EPA (the list) is complete and correct. The EPA does not, however, warrant or represent that the list is free from errors or omissions or that it is exhaustive.

The EPA may, without notice, change any or all of the information in the list at any time.

You should obtain independent advice before you make any decision based on the information in the list.

The list is made available on the understanding that the EPA, its servants and agents, to the extent permitted by law, accept no responsibility for any damage, cost, loss or expense incurred by you as a result of:

1. any information in the list; or
2. any error, omission or misrepresentation in the list; or
3. any malfunction or failure to function of the list;
4. without limiting (2) or (3) above, any delay, failure or error in recording, displaying or updating information.

Site Status	Explanation
Under assessment	The contamination is being assessed by the EPA to determine whether regulation is required. The EPA may require further information to complete the assessment. For example, the completion of management actions regulated under the planning process or <i>Protection of the Environment Operations Act 1997</i> .
Under Preliminary Investigation Order	The EPA has issued a Preliminary Investigation Order under s10 of the <i>Contaminated Land Management Act 1997</i> , to obtain additional information needed to complete the assessment.
Regulation under CLM Act not required	The EPA has completed an assessment of the contamination and decided that regulation under the <i>Contaminated Land Management Act 1997</i> is not required.

Regulation being finalised	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the <i>Contaminated Land Management Act 1997</i> . A regulatory approach is being finalised.
Contamination currently regulated under CLM Act	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation under the Contaminated Land Management Act 1997 (CLM Act). Management of the contamination is regulated by the EPA under the CLM Act. Regulatory notices are available on the EPA's Contaminated Land Public Record.
Contamination currently regulated under POEO Act	Contamination is currently regulated under the Protection of the Environment Operations Act 1997 (POEO Act). The EPA as the appropriate regulatory authority reasonably suspects that a pollution incident is occurring/ has occurred and that it requires regulation under the POEO Act. The EPA may use environment protection notices, such as clean up notices, to require clean up action to be taken. Such regulatory notices are available on the POEO public register.
Contamination being managed via the planning process (EP&A Act)	The EPA has completed an assessment of the contamination and decided that the contamination is significant enough to warrant regulation. The contamination of this site is managed by the consent authority under the <i>Environmental Planning and Assessment Act 1979</i> (EP&A Act) planning approval process, with EPA involvement as necessary to ensure significant contamination is adequately addressed. The consent authority is typically a local council or the Department of Planning and Environment.
Contamination formerly regulated under the CLM Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation under the <i>Contaminated Land Management Act 1997</i> (CLM Act). The contamination was addressed under the CLM Act.
Contamination formerly regulated under the POEO Act	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed under the <i>Protection of the Environment Operations Act 1997</i> (POEO Act).

Contamination was addressed via the planning process (EP&A Act)	The EPA has determined that the contamination is no longer significant enough to warrant regulation. The contamination was addressed by the appropriate consent authority via the planning process under the <i>Environmental Planning and Assessment Act 1979</i> (EP&A Act).
Ongoing maintenance required to manage residual contamination (CLM Act)	The EPA has determined that ongoing maintenance, under the Contaminated Land Management Act 1997 (CLM Act), is required to manage the residual contamination. Regulatory notices under the CLM Act are available on the EPA's Contaminated Land Public Record.

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ABBOTSFORD	Former Gasworks	83 Wymston PARADE	Gasworks	Contamination formerly regulated under the CLM Act	-33.85288351	151.1265979
ABBOTSFORD	Former Gasworks	82, 83, 84 Wymston Pde, & 37, 39, 43, 45 St Albans STREET	Gasworks	Contamination formerly regulated under the CLM Act	-33.85288316	151.1267729
ABBOTSFORD	Former Gasworks	85 Wymston PARADE	Gasworks	Regulation under CLM Act not required	-33.85265214	151.1266277
ABBOTSFORD	Former Gasworks	80-81 Wymston Pde and 35 and 41 St Albans STREET	Gasworks	Regulation under CLM Act not required	-33.85306653	151.1268142
ABBOTSFORD	Former Gasworks	43 St Albans STREET	Gasworks	Contamination formerly regulated under the CLM Act	-33.85270604	151.126976
ABERDEEN	Former Transport Depot	87-89 St Andrew STREET	Other Industry	Regulation under CLM Act not required	-32.17160931	150.8972859
ALBION PARK	Caltex Albion Park Service Station	1 Calderwood ROAD	Service Station	Regulation under CLM Act not required	-34.57131362	150.7647971
ALBION PARK RAIL	Caltex Service Station	174 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.56134097	150.7953663
ALBION PARK RAIL	Caltex Service Station	31 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.55162786	150.7880626
ALBION PARK RAIL	Former Timber Storage Area	36 Rivulet CRESCENT	Other Industry	Regulation under CLM Act not required	-34.54872597	150.7899351
ALBURY	Xpress Service Station	616-624 Young STREET	Service Station	Contamination formerly regulated under the CLM Act	-36.0755401	146.9255668
ALBURY	Albury Plaza	Cnr Smollett Street and Townsend STREET	Other Industry	Regulation under CLM Act not required	-36.08112933	146.9135719
ALBURY	Caltex Service Station	Dean Street, Corner Creek STREET	Service Station	Regulation under CLM Act not required	-36.07978937	146.9110825
ALBURY	Coles Express Albury	465 Guinea STREET	Service Station	Regulation under CLM Act not required	-36.07513665	146.9213077
ALBURY	Former Caltex Service Station	842 David STREET	Service Station	Regulation under CLM Act not required	-36.06398743	146.9252143

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ALBURY	Former Gasworks and surrounding commercial land	441 Kiewa STREET	Gasworks	Contamination currently regulated under CLM Act	-36.08416926	146.9137704
ALBURY	Former Thales Australia site, Albury	161 Fallon STREET	Other Industry	Contamination formerly regulated under the CLM Act	-36.064966	146.9434831
ALBURY	Mobil Albury Aviation Fuel Depot	Hangar 8 (Albury Airport), Ogden PLACE	Other Petroleum	Regulation under CLM Act not required	-36.07178139	146.9530165
ALBURY	Mobil Depot, Railway Place Albury	1 Railway PLACE	Other Petroleum	Regulation under CLM Act not required	-36.08526805	146.9236999
ALBURY	SRA Land	448 and 452 Young STREET	Unclassified	Regulation under CLM Act not required	-36.08438605	146.9235454
ALBURY	SRA Land, 514 to 526 Young Street	514 to 526 Young STREET	Other Petroleum	Regulation under CLM Act not required	-36.08084123	146.9241682
ALBURY	Woolworths Petrol	515 Young STREET	Service Station	Regulation under CLM Act not required	-36.08073723	146.92351
ALEXANDRIA	205-225 Euston Road, Alexandria	205-225 Euston ROAD	Other Industry	Regulation under CLM Act not required	-33.9127872	151.1855565
ALEXANDRIA	566 Gardeners Road Alexandria	566 Gardeners ROAD	Unclassified	Regulation under CLM Act not required	-33.91921186	151.1839188
ALEXANDRIA	6 - 8 Huntley Street Alexandria	6 - 8 Huntley STREET	Metal Industry	Regulation under CLM Act not required	-33.90982985	151.1924567
ALEXANDRIA	Alexandria Canal Sediments	Off Huntley STREET	Other Industry	Contamination currently regulated under CLM Act	-33.92204213	151.1770009
ALEXANDRIA	Alexandria Gardens	146-156 Wyndham Street & 146-156 Botany ROAD	Unclassified	Regulation under CLM Act not required	-33.89956961	151.1997377
ALEXANDRIA	Alexandria GoGas	562 Botany ROAD	Service Station	Regulation under CLM Act not required	-33.91577222	151.2000753
ALEXANDRIA	Australia Post	10-24 Ralph STREET	Other Industry	Contamination was addressed via the planning process (EP&A Act)	-33.91583041	151.197997
ALEXANDRIA	Australian Refined Alloys	202-212 Euston ROAD	Metal Industry	Regulation under CLM Act not required	-33.91505136	151.185872

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ALEXANDRIA	Caltex Alexandria Service Station	133 Wyndham St, cnr McEvoy STREET	Service Station	Regulation under CLM Act not required	-33.90220927	151.2000425
ALEXANDRIA	Former Cadbury Schweppes	49-59 O'Riordan STREET	Other Industry	Contamination formerly regulated under the CLM Act	-33.91406619	151.195067
ALEXANDRIA	Former Industrial Site (now Value Suites)	16 O'Riordan STREET	Other Industry	Regulation under CLM Act not required	-33.9069796	151.201902
ALEXANDRIA	Former Mobil Service Station	20 O'Riordan STREET	Service Station	Regulation under CLM Act not required	-33.9075539	151.2014811
ALEXANDRIA	Formerly Gas N Go Alexandria (fully redeveloped into residential apartment as of September 2016)	10-20 Botany ROAD	Service Station	Regulation under CLM Act not required	-33.89536227	151.1987818
ALEXANDRIA	Mascot Developments	494-504 Gardeners ROAD	Other Industry	Regulation under CLM Act not required	-33.9198218	151.191282
ALEXANDRIA	Perry Park	1B Maddox STREET	Landfill	Regulation under CLM Act not required	-33.90809949	151.1962945
ALEXANDRIA	Sydney Park	Sydney Park ROAD	Landfill	Contamination currently regulated under CLM Act	-33.91031048	151.1844672
ALEXANDRIA	The Gentry Alexandria	31-41 William STREET	Unclassified	Regulation under CLM Act not required	-33.91258565	151.1981861
ALLAWAH	Kempt Field	Durham Street / Roberts Lane LANE	Landfill	Under assessment	-33.968206	151.112779
ALSTONVILLE	Caltex Service Station Alstonville	73 Main STREET	Service Station	Regulation under CLM Act not required	-28.84115994	153.4388699
AMBARVALE	Caltex Service Station	37 Woodhouse DRIVE	Service Station	Regulation under CLM Act not required	-34.08438034	150.8019168
ANNANDALE	7-Eleven (former Mobil) Annandale Service Station	198 Parramatta ROAD	Service Station	Regulation under CLM Act not required	-33.88706434	151.1741135
ANNANDALE	Shell Coles Express Service Station	124-126 Johnston STREET	Service Station	Regulation under CLM Act not required	-33.88085651	151.1704805
APPIN	Elladale Creek Aqueduct Upper Canal	Macquariedale ROAD	Unclassified	Regulation under CLM Act not required	-34.18867067	150.7539597

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
APPIN	West Cliff Colliery	Wedderburn ROAD	Other Petroleum	Regulation under CLM Act not required	-34.21970612	150.8217522
ARLDLETHAN	Landmark Fertiliser Storage Facility	18 & 24-26 Arianah STREET	Chemical Industry	Regulation under CLM Act not required	-34.35696645	146.9007084
ARGENTON	NSW Mines Rescue Services - Argenton	533 Lake ROAD	Other Industry	Regulation under CLM Act not required	-32.93807208	151.6269664
ARMIDALE	Armidale Dumaresq Council Grafton Road Depot	15-25 Grafton ROAD	Other Petroleum	Regulation under CLM Act not required	-30.52058076	151.6815261
ARMIDALE	Caltex Armidale Girraween Service Station	6-8 Queen Elizabeth DRIVE	Service Station	Regulation under CLM Act not required	-30.50348872	151.6510748
ARMIDALE	Caltex North Hill Service Station	2-4 Marsh STREET	Service Station	Regulation under CLM Act not required	-30.50320439	151.6727051
ARMIDALE	Caltex Service Station	146 Miller STREET	Service Station	Regulation under CLM Act not required	-30.51362759	151.6481123
ARMIDALE	Caltex Service Station	144 Marsh STREET	Service Station	Regulation under CLM Act not required	-30.51709925	151.6675802
ARMIDALE	Caltex Service Station	19/10541 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-30.53210764	151.6160492
ARMIDALE	Former Lot 3 Martin Street	89 Martin STREET	Other Industry	Regulation under CLM Act not required	-30.50664682	151.64542
ARMIDALE	Former Mobil Depot	132 Niagara STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-30.51115918	151.6490343
ARMIDALE	Former Shell Depot	134 Niagara STREET	Other Petroleum	Regulation under CLM Act not required	-30.51180178	151.6488634
ARMIDALE	Gasworks and portion of Harris Park	Corner of Beardy Street and Allingham STREET	Gasworks	Contamination currently regulated under CLM Act	-30.51157374	151.6623009
ARMIDALE	Martin Street Estate	Martin STREET	Other Industry	Regulation under CLM Act not required	-30.50559024	151.6431854
ARMIDALE	Martin Street, Crown Land	Martin STREET	Other Industry	Contamination formerly regulated under the CLM Act	-30.50414076	151.6429516

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ARMIDALE	Mobil Armidale Service Station and Former Depot	10-12 McLennan STREET	Service Station	Regulation under CLM Act not required	-30.51107573	151.648242
ARMIDALE	Parklands near the former gasworks	Beardy Street and Allingham STREET	Gasworks	Regulation under CLM Act not required	-30.51013465	151.6652722
ARMIDALE	RTA land adjoining Martin Street estate	Martin STREET	Other Industry	Contamination formerly regulated under the CLM Act	-30.50445941	151.6415415
ARMIDALE	Shell Service Station	93 Marsh STREET	Service Station	Regulation under CLM Act not required	-30.51299824	151.6697557
ARNCLIFFE	7-Eleven Arncliffe	28 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-33.93428397	151.1525438
ARNCLIFFE	Combined Projects Arncliffe	104-128 Princes HIGHWAY	Other Industry	Regulation under CLM Act not required	-33.93783874	151.1494559
ARTARMON	7-Eleven (former Mobil) Artarmon Service Station	477 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.81053826	151.1774248
ASHBY	Ashby Dry Dock	via Clarence STREET	Other Industry	Contamination formerly regulated under the CLM Act	-29.44158377	153.1972304
ASHFIELD	7-Eleven Ashfield	132 Liverpool Road STREET	Service Station	Contamination currently regulated under CLM Act	-33.89057897	151.1295498
ASHFIELD	Vehicle Workshop	445-449 Liverpool ROAD	Service Station	Regulation under CLM Act not required	-33.88826829	151.1167477
ASQUITH	BP Service Station	462 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.68982678	151.106156
ATTUNGA	Attunga Limestone Mine (Waste Oil Site)	Garthowen ROAD	Other Industry	Regulation under CLM Act not required	-30.92920627	150.8579435
AUBURN	Commercial Premises	11-13 Percy STREET	Other Industry	Under assessment	-33.85021046	151.0410097
AUBURN	Department of Corrective Services land adjacent to the former Auburn Landfill	Jamieson STREET	Landfill	Contamination formerly regulated under the CLM Act	-33.82928257	151.0590653
AUBURN	DIC Australia	323 Chisholm ROAD	Other Industry	Regulation under CLM Act not required	-33.87228962	151.0157032

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
AUBURN	Former Ajax Chemical Factory	9 Short STREET	Other Industry	Contamination formerly regulated under the CLM Act	-33.83671601	151.0292071
AUBURN	Janyon	Manchester ROAD	Other Industry	Regulation under CLM Act not required	-33.84467826	151.020745
AUBURN	Maintrain Facility - Sydney Trains Auburn	Manchester ROAD	Other Industry	Regulation under CLM Act not required	-33.84410947	151.0242502
AWABA	Awaba Colliery	Wilton ROAD	Other Industry	Regulation under CLM Act not required	-33.02098186	151.5383612
BALGOWLAH	BP Service Station	Cnr Sydney Road and Maretimo STREET	Service Station	Regulation under CLM Act not required	-33.79546175	151.2559309
BALGOWLAH	Part of Manly Council Maintenance Depot	8-10 Roseberry STREET	Other Petroleum	Regulation under CLM Act not required	-33.78928907	151.2679557
BALGOWNIE	Fuel Power Plus	99 Balgownie ROAD	Service Station	Contamination currently regulated under POEO Act	-34.38925632	150.8808544
BALLINA	Ballina Mays Motors	River STREET	Other Petroleum	Regulation under CLM Act not required	-28.86935402	153.5585931
BALLINA	Ballina Shell	273 River STREET	Service Station	Regulation under CLM Act not required	-28.86809272	153.5552789
BALLINA	Former Mobil Service Station	37-41 Cherry STREET	Service Station	Regulation under CLM Act not required	-28.86952673	153.5624436
BALLINA	Fripp Oval	31 Canal ROAD	Cattle Dip	Under assessment	-28.861572	153.550115
BALLINA	Woolworths Petrol	Kerr STREET	Service Station	Regulation under CLM Act not required	-28.85824461	153.5605439
BALRANALD	Caltex Service Station	Sturt HIGHWAY	Service Station	Regulation under CLM Act not required	-34.66747746	143.5662034
BANKSIA	Cooks Cove Development	Cooks Cove PARK	Landfill	Regulation under CLM Act not required	-33.94492759	151.1549947
BANKSIA	Woolworths Petrol Service Station Banksia	314 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-33.94567308	151.1416884

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BANKSMEADOW	Caltex Terminal	1-3 Penrhyn ROAD	Other Petroleum	Contamination currently regulated under POEO Act	-33.96335328	151.2171062
BANKSMEADOW	Discovery Cove, Former Ampol Rail Terminal	1801 Botany ROAD	Other Petroleum	Regulation being finalised	-33.96162178	151.2184122
BANKSMEADOW	Former Mobil Banksmeadow Terminal	Coal Pier ROAD	Other Petroleum	Regulation under CLM Act not required	-33.95405624	151.2142048
BANKSMEADOW	Former Pipeline	Corish CIRCLE	Other Petroleum	Regulation being finalised	-33.94705787	151.2209919
BANKSMEADOW	Orica Botany (Pre-2003 Regulation)	Denison STREET	Chemical Industry	Contamination currently regulated under CLM Act	-33.9516159	151.2195804
BANKSMEADOW	Orica Botany Groundwater Project	16-20 Beauchamp ROAD	Chemical Industry	Contamination currently regulated under CLM Act	-33.95526361	151.2152005
BANKSMEADOW	Orica Car Park Waste Encapsulation	Corish CIRCLE	Landfill	Contamination formerly regulated under the POEO Act	-33.94703665	151.22083
BANKSMEADOW	Orica Former Chlor Alkali Plant (same site as Orica Botany Groundwater Project)	Botany Industrial Park, off Denison STREET	Chemical Industry	Contamination currently regulated under CLM Act	-33.95664283	151.221685
BANKSMEADOW	Pacific National Rail Siding	1 Beauchamp ROAD	Chemical Industry	Contamination currently regulated under CLM Act	-33.95757712	151.2204974
BANKSMEADOW	Veolia Waste Transfer Terminal (former Keith Engineering site)	34-36 McPherson STREET	Other Industry	Regulation under CLM Act not required	-33.95811039	151.2195225
BANKSTOWN	7-Eleven Service Station	689 Henry Lawson DRIVE	Service Station	Regulation under CLM Act not required	-33.92749953	150.9804784
BANORA POINT	Caltex Service Station	Corner Leisure Drive and Darlington DRIVE	Service Station	Regulation under CLM Act not required	-28.21390712	153.5417434
BARGO	Tahmoor Colliery	Remembrance DRIVE	Other Industry	Regulation under CLM Act not required	-34.25090795	150.5793631
BARMEDMAN	Caltex - Barmedman	Corner Watson Street and Star STREET	Other Petroleum	Regulation under CLM Act not required	-34.14351302	147.3824934
BARRACK HEIGHTS	Caltex Service Station	332-336 Shellharbour ROAD	Service Station	Regulation under CLM Act not required	-34.56489171	150.8597814

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BASS HILL	Woolworths Caltex Bass Hill	862 Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-33.9008648	150.9991181
BATEAU BAY	Former landfill	The Entrance ROAD	Landfill	Contamination currently regulated under CLM Act	-33.3938305	151.4699046
BATEAU BAY	Woolworths Service Station Bateau Bay	9 Bay Village ROAD	Service Station	Regulation under CLM Act not required	-33.37316432	151.4737125
BATEHAVEN	Caltex Service Station	264 Beach ROAD	Service Station	Regulation under CLM Act not required	-35.73255166	150.1997536
BATEHAVEN	Coles Express Service Station Batehaven	198 Beach ROAD	Service Station	Regulation under CLM Act not required	-35.72671807	150.1944931
BATEMANS BAY	Caltex Service Station	87-89 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-35.71940701	150.1762788
BATHURST	Bathurst - Former Caltex Depot	114 Howick STREET	Other Petroleum	Regulation under CLM Act not required	-33.42296963	149.5862574
BATHURST	Bathurst Rail Fabrication Centre	34 Alpha STREET	Other Industry	Regulation under CLM Act not required	-33.42805153	149.5829156
BATHURST	Caltex Bathurst Service Station	53 Durham STREET	Service Station	Regulation under CLM Act not required	-33.41689545	149.5848527
BATHURST	Crago Mill site	Piper STREET	Other Industry	Regulation under CLM Act not required	-33.42777602	149.5809428
BATHURST	Former Devro Cattle Hide Processing Plant	46 Vale ROAD	Other Industry	Regulation under CLM Act not required	-33.43926137	149.5803563
BATHURST	Former Gasworks	71 Russell STREET	Gasworks	Contamination formerly regulated under the CLM Act	-33.42420302	149.5864517
BATHURST	Former Mobil Depot	1 Lambert STREET	Other Petroleum	Regulation under CLM Act not required	-33.42875534	149.5806344
BATHURST	Former Mobil Depot	Lower Russell STREET	Other Petroleum	Regulation under CLM Act not required	-33.42497876	149.585128
BATHURST	Former Police Station	Corner of William Street and Durham STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-33.41592424	149.5842233

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BATHURST	Former Shell Depot Bathurst	56 Bant STREET	Other Petroleum	Regulation under CLM Act not required	-33.43471575	149.5774595
BATHURST	Shell Coles Express Bathurst Service Station	59 Durham STREET	Service Station	Regulation under CLM Act not required	-33.41639415	149.5843243
BATHURST	Shell Coles Express Service Station	(Cnr Stewart and Rocket Street) 298 Stewart STREET	Service Station	Regulation under CLM Act not required	-33.41910999	149.5677773
BATLOW	Crown Reserves	Mill ROAD	Other Industry	Regulation under CLM Act not required	-35.52355132	148.1505729
BAULKHAM HILLS	Caltex Baulkham Hills Service Station	117 Seven Hills ROAD	Service Station	Regulation under CLM Act not required	-33.76139872	150.9750767
BAULKHAM HILLS	Caltex Service Station	130 Seven Hills ROAD	Service Station	Regulation under CLM Act not required	-33.76180431	150.9746297
BAULKHAM HILLS	IBM Baulkham Hills Data Centre	3 Brookhollow AVENUE	Other Petroleum	Regulation under CLM Act not required	-33.73252699	150.9680221
BAULKHAM HILLS	Shell Coles Express Service Station	363 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.7601819	150.9916224
BEACON HILL	Caltex Service Station	176 Warringah ROAD	Service Station	Contamination currently regulated under CLM Act	-33.75381485	151.2602617
BEACON HILL	Former 7-Eleven Service Station, Beacon Hill	312 Warringah ROAD	Service Station	Regulation under CLM Act not required	-33.75129647	151.2469656
BEACONSFIELD	63-85 Victoria St, Beaconsfield	63-85 Victoria STREET	Other Industry	Regulation under CLM Act not required	-33.9102929	151.2016275
BEGA	Caltex Service Station	36-40 Lagoon STREET	Service Station	Regulation under CLM Act not required	-36.66832965	149.8289048
BEGA	Coles Express (former Caltex) Service Station	2-6 Swan (Corner Carp) STREET	Service Station	Regulation under CLM Act not required	-36.67388263	149.838163
BEGA	Former Bega Gasworks	19-29 Upper STREET	Gasworks	Under preliminary investigation order	-36.67710613	149.8480253
BEGA	Former BP Service Station	100 - 102 Gipps STREET	Service Station	Regulation under CLM Act not required	-36.67563094	149.8433291

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BEGA	Lands Adjoining the Former Bega Gasworks	Part of Upper, East, Gordon & Gloucester STREET	Gasworks	Under preliminary investigation order	-36.67704706	149.848425
BEGA	Spenco Site - owned by Bega Spotlight Property 2 Pty Ltd	53-65 Bega Street STREET	Other Industry	Regulation under CLM Act not required	-36.67135539	149.8450828
BELLA VISTA	2-6 Norbrik Drive, Bella Vista NSW	2-6 Norbrik DRIVE	Unclassified	Under assessment	-33.745597	150.950491
BELMONT	Coles Express Belmont Service Station	502 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.03317155	151.6605194
BELMONT	Former Ampol Service Station	467-469 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.0299728	151.6613301
BELMONT NORTH	Belmont Bus Depot	2 Floraville ROAD	Other Petroleum	Regulation under CLM Act not required	-33.02476269	151.6606657
BELMONT NORTH	Caltex Belmont North Service Station	406 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.02476876	151.6623655
BELMONT NORTH	Woolworths Service Station Belmont North	399 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.02454211	151.6634893
BELMORE	7-Eleven Service Station	792-794 Canterbury ROAD	Service Station	Regulation under CLM Act not required	-33.92567992	151.0873469
BELMORE	SRA Land	348 Burwood ROAD	Unclassified	Regulation under CLM Act not required	-33.91753611	151.0859487
BELROSE	Caltex Service Station	157 Forest WAY	Service Station	Regulation under CLM Act not required	-33.7347675	151.2212004
BELROSE	Glenrose Shopping Centre	56-58 Glen STREET	Unclassified	Contamination currently regulated under CLM Act	-33.73917996	151.2101029
BELROSE	Woolworths Petrol	60 Glen STREET	Service Station	Regulation under CLM Act not required	-33.74009002	151.2091045
BENNETTS GREEN	Former Windale Wastewater Treatment Works	8 Templar PLACE	Other Industry	Regulation under CLM Act not required	-33.00317523	151.6936636
BERESFIELD	BP Beresfield Truckstop	2 Kinta Drive, corner John Renshaw DRIVE	Service Station	Regulation under CLM Act not required	-32.81122768	151.6393427

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BERESFIELD	Former Koppers Timber Treatment Site	53 Weakleys DRIVE	Other Industry	Regulation under CLM Act not required	-32.79902937	151.6358846
BERKELEY VALE	Former Berkeley Vale Service Station	121-123 Lakedge AVENUE	Service Station	Regulation under CLM Act not required	-33.34899186	151.4423109
BERKSHIRE PARK	Shell Coles Express Berkshire Park	746 - 752 Richmond ROAD	Service Station	Regulation under CLM Act not required	-33.66508654	150.7990243
BEROWRA	42 Berowra Waters Road	42 Berowra Waters ROAD	Unclassified	Regulation under CLM Act not required	-33.6203823	151.1481246
BEROWRA	7-Eleven Berowra Service Station	965-969 Pacific (Cnr Waratah Rd) HIGHWAY	Service Station	Regulation under CLM Act not required	-33.62673163	151.1479171
BEROWRA	Caltex Berowra Service Station	12-14 Berowra Waters ROAD	Service Station	Regulation under CLM Act not required	-33.6233827	151.1505554
BEROWRA	Shell Coles Express Berowra	955 Pacific (Cnr Yallambee Rd) HIGHWAY	Service Station	Regulation under CLM Act not required	-33.62818015	151.1475736
BERRIGAN	Caltex Service Station Berrigan	155-165 Chanter STREET	Service Station	Regulation under CLM Act not required	-35.6557616	145.8015557
BERRY	Berry Service Centre - Shell Branded	88 Queen STREET	Service Station	Regulation under CLM Act not required	-34.77571634	150.6961713
BERRY	BP branded service station Berry (Formerly Shell)	75 Queen STREET	Service Station	Contamination currently regulated under POEO Act	-34.77500516	150.695167
BEXLEY	7-Eleven (former Mobil) Service Station Bexley	613 Forest ROAD	Service Station	Regulation under CLM Act not required	-33.95539246	151.118447
BEXLEY	7-Eleven Bexley	474 Forest ROAD	Service Station	Regulation under CLM Act not required	-33.95160096	151.1252355
BILAMBIL HEIGHTS	Former Banana Plantation Land	38 McAllisters ROAD	Other Industry	Regulation under CLM Act not required	-28.21218056	153.4778762
BILLINUDGEL	Billinudgel General Store	2A Wilfred STREET	Service Station	Under assessment	-28.504299	153.5278161
BILLINUDGEL	CSR Readymix	Mogo PLACE	Other Industry	Regulation under CLM Act not required	-28.50210255	153.5278161

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BLACKMANS FLAT	Mount Piper Extension Development Site	2847 Boulder ROAD	Other Industry	Regulation under CLM Act not required	-33.35619968	150.0279881
BLACKMANS FLAT	Western Coal Services (former Lamberts Gully Mine)	Castlereagh HIGHWAY	Other Industry	Regulation under CLM Act not required	-33.36713827	150.0483236
BLACKTOWN	7-Eleven Service Station	60 Walters ROAD	Service Station	Regulation under CLM Act not required	-33.77599783	150.8948926
BLACKTOWN	Former Caltex Service Station	131 Richmond ROAD	Service Station	Regulation under CLM Act not required	-33.75866104	150.8962614
BLACKTOWN	Harpers Bush (Reserve 752)	Reservoir ROAD	Unclassified	Regulation under CLM Act not required	-33.79119448	150.8967838
BLACKTOWN	Valspar Blacktown	4 Steel STREET	Chemical Industry	Regulation under CLM Act not required	-33.75425018	150.9127714
BLAKEHURST	The Bay Nursing Home	392 & 394 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-33.99030465	151.1140293
BLAKEHURST	Woolworths Service Station Blakehurst	390 Princes HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-33.99019694	151.1135663
BLAXLAND	7-Eleven (former Mobil) Service Station	137 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.74627	150.6137669
BOAMBEE	BP-branded (former Mobil) Boambee Service Station	601 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-30.33544287	153.0817266
BOAMBEE	Lindsay Bros transport depot site	542 Pacific HIGHWAY	Other Petroleum	Regulation under CLM Act not required	-30.33106848	153.0802985
BOBS FARM	Bob's Farm	15 Fenningham Island ROAD	Other Industry	Regulation under CLM Act not required	-32.74867207	152.0316217
BOGGABILLA	Former Caltex Service Station	90 Simpson Street, corner Newell HIGHWAY	Service Station	Regulation under CLM Act not required	-28.60654029	150.3571056
BOGGABILLA	Lowes (Former Mobil) Depot	Newell HIGHWAY	Other Petroleum	Regulation under CLM Act not required	-28.61023985	150.3529156
BOMADERRY	Bomaderry Works Depot	10 McIntyre WAY	Other Petroleum	Regulation under CLM Act not required	-34.84576748	150.6131411

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BOMADERRY	Caltex Service Station	341 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.84561952	150.5946978
BOMADERRY	Caltex Service Station Bomaderry	246 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.83833824	150.5958799
BOMADERRY	Commercial Land	320 Princes HIGHWAY	Other Industry	Contamination formerly regulated under the CLM Act	-34.84424073	150.5958149
BOMADERRY	Former Mobil Emoleum Depot	7 Victa WAY	Other Petroleum	Regulation under CLM Act not required	-34.84454618	150.6139462
BOMADERRY	Former Shell Depot	44 Railway STREET	Other Petroleum	Regulation under CLM Act not required	-34.85193621	150.6117038
BOMADERRY	SRA Land	Lot 2 Meroo STREET	Unclassified	Regulation under CLM Act not required	-34.85314813	150.6099573
BOMBALA	Caltex Bombala Service Station	High Street corner Stephen STREET	Service Station	Regulation under CLM Act not required	-36.90447935	149.241292
BOMBALA	Caltex Service Station Bombala	159-161 Maybe STREET	Service Station	Regulation under CLM Act not required	-36.91234945	149.2374622
BOMBALA	Former Bright Street Timber Mill	Bright STREET	Other Industry	Regulation under CLM Act not required	-36.91547645	149.2302454
BOMBALA	Prime Pine site	Sandy LANE	Other Industry	Regulation under CLM Act not required	-36.9315425	149.2110959
BOMEN	Caltex Terminal	34 Lewington STREET	Other Petroleum	Regulation under CLM Act not required	-35.0700202	147.4121955
BOMEN	Enirgi Power Storage Recycling	509 Byrnes ROAD	Other Industry	Regulation being finalised	-35.05985094	147.4283765
BONDI	BP-branded Service Station	185 Bondi ROAD	Service Station	Regulation under CLM Act not required	-33.89432208	151.2647671
BONDI	Caltex Service Station Bondi	51 Bondi ROAD	Service Station	Regulation under CLM Act not required	-33.8936307	151.260001
BONDI	Woolworths Metro Bondi	137-149 Bondi ROAD	Other Industry	Regulation under CLM Act not required	-33.893966	151.263073

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BONDI JUNCTION	Waverley Bus Depot	1-15 Oxford STREET	Other Industry	Regulation under CLM Act not required	-33.89165341	151.2421246
BONNY HILLS	Bonny View Store	923 Ocean DRIVE	Service Station	Regulation under CLM Act not required	-31.59075636	152.8392935
BONNYRIGG	Metro (Formerly United & AP SAVER) Service Station Bonnyrigg	709 Cabramatta (W) ROAD	Service Station	Regulation under CLM Act not required	-33.89297085	150.8925935
BONNYRIGG HEIGHTS	BP-Branded Service Station Bonnyrigg	451 North Liverpool ROAD	Service Station	Regulation under CLM Act not required	-33.89416327	150.8578378
BOOLAROO	Bunnings Site - Pasminco Cockle Creek	13a Main ROAD	Metal Industry	Contamination formerly regulated under the CLM Act	-32.94364503	151.6252316
BOOLAROO	Cardiff West Estate - Pasminco Cockle Creek	Adjacent to PCC Smelter at 13A Main ROAD	Metal Industry	Regulation under CLM Act not required	-32.93950137	151.6349183
BOOLAROO	Cockle Creek and Cockle Bay Sediments	Off Creek Reserve ROAD	Metal Industry	Contamination currently regulated under CLM Act	-32.96079541	151.6141327
BOOLAROO	Incitec Pivot	13 Main STREET	Other Industry	Contamination formerly regulated under the CLM Act	-32.94803538	151.6302187
BOOLAROO	Lake Macquarie Ciy Council Works Depot	Creek Reserve ROAD	Service Station	Regulation under CLM Act not required	-32.9524489	151.6164604
BOOLAROO	Lot 600 DP1228699 (formerly Part Lot 2 DP1127713 & proposed 'Lot D') - Pasminco Cockle Creek Smelter site	Main ROAD	Metal Industry	Contamination formerly regulated under the CLM Act	-32.94440875	151.6264143
BOOLAROO	Part Lot 2 DP1127713 (proposed Lot G) - Pasminco Cockle Creek Smelter site	13a Main ROAD	Metal Industry	Contamination formerly regulated under the CLM Act	-32.94404392	151.6267695
BOOLAROO	Pasminco Cockle Creek Smelter	Lake ROAD	Metal Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-32.94434593	151.6307345
BOOROWA	Boorowa Service Station	84 Marsden STREET	Service Station	Regulation under CLM Act not required	-34.44302227	148.7151026
BOOROWA	Former Mobil Depot	14-16 Brial STREET	Other Petroleum	Regulation under CLM Act not required	-34.43673234	148.7300821
BOOROWA	Mobil Service Station	63-69 Marsden STREET	Service Station	Contamination formerly regulated under the CLM Act	-34.44157331	148.7162391

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BOTANY	Allnex	49-61 Stephen ROAD	Chemical Industry	Contamination currently regulated under CLM Act	-33.9524442	151.2106446
BOTANY	Botany, Underwood	14a Underwood AVENUE	Unclassified	Contamination being managed via the planning process (EP&A Act)	-33.94508532	151.1947626
BOTANY	Former Aerosols of Australia	1617 Botany ROAD	Chemical Industry	Regulation under CLM Act not required	-33.9529386	151.2037468
BOTANY	Former Industrial Site	28 Folkestone PARADE	Unclassified	Contamination being managed via the planning process (EP&A Act)	-33.95187539	151.1960537
BOTANY	Former Tannery	2 Daniel STREET	Other Industry	Regulation under CLM Act not required	-33.94126194	151.1991087
BOTANY	Roads and Maritime Service	5 - 9 Lord STREET	Other Industry	Regulation under CLM Act not required	-33.94100279	151.1968763
BOURKE	Ampol Bourke Service Station	82-86 Anson STREET	Service Station	Regulation under CLM Act not required	-30.09500388	145.9414388
BOURKE	Former Shell Bourke Depot	94-106 Anson STREET	Service Station	Regulation under CLM Act not required	-30.09548497	145.9436745
BOWENFELS	Bowenfels Field Support Centre	9-13 Coerwull ROAD	Other Petroleum	Regulation under CLM Act not required	-33.47514572	150.1323899
BOWRAL	Former Gasworks	Merrigang STREET	Gasworks	Contamination currently regulated under CLM Act	-34.4783957	150.4255053
BOWRAL	Shell Coles Express Bowral Service Station	430 Bong Bong STREET	Service Station	Regulation under CLM Act not required	-34.48269596	150.417389
BOX HILL	Former Poultry Farm	27-33 Boundary ROAD	Other Industry	Regulation under CLM Act not required	-33.64866563	150.8815467
BOX HILL	Former Poultry Farm	19-25 Boundary ROAD	Other Industry	Regulation under CLM Act not required	-33.65038071	150.8813725
BOX HILL	Former Waste Management Facility	25 Terry ROAD	Landfill	Regulation under CLM Act not required	-33.65559259	150.8977986
BRANXTON	Branxton Wastewater Treatment Works	2151 New England HIGHWAY	Other Industry	Regulation under CLM Act not required	-32.66069944	151.3625572

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BRANXTON	Former Service Station Branxton	Part of 70 Maitland STREET	Service Station	Contamination currently regulated under CLM Act	-32.65631582	151.3516243
BREWARRINA	Dowell's Fuel	39 Doyle STREET	Service Station	Regulation under CLM Act not required	-29.96152786	146.8612561
BRIGHTON-LE-SANDS	Cook Park	General Holmes DRIVE	Service Station	Contamination formerly regulated under the CLM Act	-33.9581072	151.1579572
BRIGHTON-LE-SANDS	Shell Service Station Brighton Le Sands & adjacent land	2 General Holmes DRIVE	Service Station	Contamination formerly regulated under the CLM Act	-33.95791132	151.1576486
BROADMEADOW	2 Georgetown Road, Broadmeadow NSW 2292	2 Georgetown ROAD	Metal Industry	Regulation being finalised	-32.91229404	151.7322202
BROADMEADOW	Former Industrial Site	16 Broadmeadow ROAD	Service Station	Regulation under CLM Act not required	-32.91444096	151.7300112
BROADMEADOW	Nineways Broadmeadow Coles Express SS	Corner Brunker Road and Lambton ROAD	Service Station	Regulation under CLM Act not required	-32.92511185	151.7364247
BROKEN HEAD	South Byron Sewage Treatment Works	Broken Head ROAD	Other Industry	Regulation under CLM Act not required	-28.67233626	153.6148974
BROKEN HILL	Broken Hill Gas Turbines	76A Pinnacles ROAD	Unclassified	Regulation under CLM Act not required	-33.43673058	148.358727
BROKEN HILL	Broken Hill Kanandah Road Refuelling Depot	Kanandah ROAD	Other Petroleum	Regulation under CLM Act not required	-31.98543706	141.4196
BROKEN HILL	Broken Hill Railway Yard	Crystal STREET	Landfill	Under assessment	-31.9690434	141.4563004
BROKEN HILL	Caltex Service Station	535 Argent STREET	Service Station	Regulation under CLM Act not required	-31.95311924	141.4745274
BROKEN HILL	Caltex Service Station	73-87 Oxide STREET	Service Station	Contamination formerly regulated under the CLM Act	-31.95519591	141.4658647
BROKEN HILL	Former Caltex Depot	3 Kanandah ROAD	Service Station	Regulation under CLM Act not required	-31.98341823	141.4332211
BROKEN HILL	Former Caltex Service Station	167-173 Argent STREET	Service Station	Regulation under CLM Act not required	-31.96066663	141.4624175

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BROKEN HILL	Former Gasworks	Cornish STREET	Gasworks	Contamination formerly regulated under the CLM Act	-31.96330562	141.4470611
BROKEN HILL	Former Mobil Aviation Refuelling Facility, Broken Hill Airport	Airport ROAD	Other Petroleum	Regulation under CLM Act not required	-31.99928312	141.4685759
BROKEN HILL	Former Mobil Depot	Corner Of Talc Street and Gossan STREET	Other Petroleum	Regulation under CLM Act not required	-31.96018102	141.4514752
BROKEN HILL	Tasco Petroleum (Former Mobil) Depot	5 Kanandah ROAD	Other Petroleum	Regulation under CLM Act not required	-31.9843986	141.4329127
BROOKLYN	Former Oyster Farm	139 Brooklyn (Off Government) ROAD	Unclassified	Regulation under CLM Act not required	-33.54716867	151.2229744
BROOKVALE	Brookvale Bus Depot	630-636 Pittwater ROAD	Other Petroleum	Regulation under CLM Act not required	-33.76641698	151.2705659
BROOKVALE	Caltex Service Station Brookvale	740-742 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.76146721	151.2745358
BROOKVALE	Coles Express Service Station Brookvale	198 Harbord ROAD	Service Station	Regulation under CLM Act not required	-33.76332299	151.2794028
BROOKVALE	Harrison Manufacturing	75 Old Pittwater ROAD	Other Industry	Regulation under CLM Act not required	-33.76497282	151.2637961
BROOKVALE	Littles Dry Cleaning	123 Old Pittwater ROAD	Other Industry	Regulation under CLM Act not required	-33.76759121	151.2625932
BROOKVALE	Warringah Mall	Cnr Condamine Street, Old Pittwater Rd & Cross STREET	Other Industry	Regulation under CLM Act not required	-33.76729923	151.2657272
BROOKVALE	Woolworths Petrol Brookvale	756 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.76170587	151.2762411
BROOMS HEAD	Former Brooms Head General Store and Service Station	92 Ocean ROAD	Service Station	Regulation under CLM Act not required	-29.60711599	153.3346312
BROWNSVILLE	Caltex Service Station	342 Kanahooka ROAD	Service Station	Regulation under CLM Act not required	-34.48591734	150.8064373
BRUNSWICK HEADS	Caltex Service Station	5 Tweed STREET	Service Station	Regulation under CLM Act not required	-28.5381619	153.5487135

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BUDGEWOI	Colongra Power Station	Off Scenic DRIVE	Other Industry	Under assessment	-33.21463137	151.5529338
BULAHDELAH	BP-branded (former Mobil) Service Station	73-75 Bulahdelah WAY	Service Station	Regulation under CLM Act not required	-32.40971018	152.2105785
BULAHDELAH	Caltex Service Station	8 Red Gum Road, Corner Mahogany STREET	Service Station	Regulation under CLM Act not required	-32.39837094	152.2106015
BULAHDELAH	Former Caltex Service Station	53-59 Bulahdelah WAY	Service Station	Regulation under CLM Act not required	-32.40721638	152.2110291
BULLABURRA	Former Burmah Bullaburra Service Station	367 - 369 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.72482995	150.4124537
BULLI	Bulli Brickworks	Quilkey PLACE	Other Industry	Regulation under CLM Act not required	-34.33263113	150.9086247
BULLI	Scrap Yard	7 Molloy STREET	Other Industry	Contamination formerly regulated under the CLM Act	-34.33663195	150.9131154
BUNGALORA	Former landfill area	Part of 840 Terranora ROAD	Other Industry	Regulation under CLM Act not required	-28.2424318	153.4789209
BUNGENDORE	Bungendore former Station Masters Cottage	16 Majara STREET	Unclassified	Under assessment	-35.254941	149.44633
BUNGENDORE	Bungendore Railway Station and Rail Corridor	Bungendore STREET	Unclassified	Contamination currently regulated under CLM Act	-35.25397326	149.4470058
BUNGENDORE	Bungendore to Captains Flats – Rail Corridor	Lot 1 DP 189797 FORMATION	Unclassified	Under assessment	-35.588098	149.436721
BUNGENDORE	Former Timber Treatment Plant	Corner King Street and Butmaroo STREET	Other Industry	Contamination formerly regulated under the CLM Act	-35.26151273	149.4434907
BURONGA	Caltex Service Station	Sturt Hwy Cnr Silver City HIGHWAY	Service Station	Regulation under CLM Act not required	-34.17056496	142.1813847
BURWOOD	Burwood STA Depot	Cnr Shaftesbury and Parramatta ROADS	Other Industry	Contamination formerly regulated under the CLM Act	-33.86982934	151.1089057
BYRON BAY	Butler Street Reserve Byron Bay	Butler STREET	Landfill	Under assessment	-28.64340617	153.6099674

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
BYRON BAY	Residential Development	Lot 15 Seaview STREET	Unclassified	Regulation under CLM Act not required	-28.65214464	153.6165573
CABARITA	Dulux (Orica Australia)	Cabarita ROAD	Chemical Industry	Contamination formerly regulated under the CLM Act	-33.84643972	151.1157115
CABARITA	Wellcome Soil Containment Cells Cabarita	47 and 48 Phillips STREET	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.85250251	151.1176366
CABRAMATTA	Cabramatta Creek	17 A and 19A Liverpool Street STREET	Unclassified	Regulation under CLM Act not required	-33.90284952	150.9415616
CABRAMATTA	Caltex (former Mobil) Lansvale Service Station	141 Hume HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-33.89442261	150.9571507
CABRAMATTA	Caltex Service Station Cabramatta	168 John STREET	Service Station	Regulation under CLM Act not required	-33.89422314	150.9279279
CABRAMATTA WEST	BP Cabramatta (Lansvale)	115-119 Hume HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-33.89373753	150.9587201
CABRAMURRA	Selwyn Snowfields / Selwyn Snow Resort	213A Kings Cross ROAD	Other Industry	Regulation under CLM Act not required	-35.90869221	148.4565678
CALGA	Former service station	101 Peats Ridge ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.37592138	151.2254951
CALLALA BEACH	Callala Beach General Store	(formerly 1 Quay Rd) 114A Quay ROAD	Service Station	Regulation under CLM Act not required	-35.0101817	150.6964322
CAMBRIDGE GARDENS	Caltex Cambridge Park	1 Boomerang PLACE	Service Station	Regulation under CLM Act not required	-33.74068794	150.717174
CAMDEN	Caltex Camden Service Station	21 Barsden STREET	Service Station	Regulation under CLM Act not required	-34.05808413	150.6914744
CAMDEN	Camden High School (former)	John STREET	Gasworks	Regulation under CLM Act not required	-34.05114079	150.6951285
CAMDEN SOUTH	Coles Express Service Station Camden South	273 Old Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.08660995	150.6945444
CAMELLIA	Bitumen Manufacturer	12 Grand AVENUE	Other Industry	Contamination currently regulated under CLM Act	-33.82189695	151.0429251

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CAMELLIA	Council Reserve	11B Grand AVENUE	Metal Industry	Regulation under CLM Act not required	-33.81850502	151.0302425
CAMELLIA	Former Asciano Properties	37A and 39 Grand AVENUE	Chemical Industry	Contamination currently regulated under CLM Act	-33.82056014	151.0443331
CAMELLIA	Former Shell Clyde Refinery	Durham STREET	Other Petroleum	Contamination currently regulated under CLM Act	-33.82804924	151.0378966
CAMELLIA	Hambear	14 Thackeray STREET	Metal Industry	Regulation under CLM Act not required	-33.81920482	151.0419394
CAMELLIA	Hymix Concrete	14 Grand AVENUE	Metal Industry	Contamination currently regulated under CLM Act	-33.82243454	151.044789
CAMELLIA	James Hardie Factory (former, eastern portion)	1 Grand AVENUE	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.81822448	151.0260958
CAMELLIA	Maritime Services Board	33A Grand AVENUE	Metal Industry	Regulation under CLM Act not required	-33.81836086	151.0401249
CAMELLIA	Mauri Foods	15 Grand AVENUE	Other Industry	Regulation being finalised	-33.81996985	151.0335725
CAMELLIA	Railway Land	27 Grand AVENUE	Other Industry	Regulation under CLM Act not required	-33.81910822	151.0382483
CAMELLIA	Sydney Water	41 Grand AVENUE	Chemical Industry	Contamination formerly regulated under the CLM Act	-33.8217493	151.0453367
CAMELLIA	Veolia	37 Grand AVENUE	Chemical Industry	Contamination currently regulated under CLM Act	-33.81980027	151.0430689
CAMELLIA	Wrigg	13 Grand AVENUE	Metal Industry	Under preliminary investigation order	-33.81971361	151.0321525
CAMMERAY	Coles Express Cammeray	477-483 Miller STREET	Service Station	Regulation under CLM Act not required	-33.82141124	151.2108658
CAMMERAY	Tunks Park	Brothers AVENUE	Landfill	Contamination formerly regulated under the CLM Act	-33.81734704	151.2113338
CAMPBELLTOWN	BP Macarthur Service Station	Cnr Blaxland ROAD and Campbelltown ROAD	Service Station	Regulation under CLM Act not required	-34.05312872	150.8234349

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CAMPBELLTOWN	Former vehicle wrecking yard	38 Blaxland ROAD	Other Industry	Regulation under CLM Act not required	-34.06055735	150.8130598
CAMPBELLTOWN	Mobil Service Station	96-98 Queen STREET	Service Station	Regulation under CLM Act not required	-34.06407588	150.8170082
CAMPERDOWN	Former Gee Graphics	27 Church STREET	Other Industry	Regulation under CLM Act not required	-33.88737747	151.1773616
CAMPERDOWN	O'Dea Reserve	Salisbury LANE	Landfill	Contamination formerly regulated under the CLM Act	-33.89072786	151.1736948
CAMPERDOWN	The Spruce	12-14 Marsden STREET	Other Industry	Regulation under CLM Act not required	-33.88720632	151.1784514
CAMPSIE	Budget Petroleum and adjacent property	403 Canterbury Road and 1 Una STREET	Service Station	Contamination currently regulated under CLM Act	-33.91605617	151.1086596
CAMPSIE	Former Sunbeam factory	60 Charlotte STREET	Other Industry	Contamination formerly regulated under the CLM Act	-33.92254225	151.1025796
CANLEY HEIGHTS	Caltex Canley Heights Service Station	280-286 Canley Vale ROAD	Service Station	Regulation under CLM Act not required	-33.88393501	150.9241656
CANLEY HEIGHTS	Former Caltex Canley Heights	368 Canley Vale ROAD	Service Station	Regulation under CLM Act not required	-33.88271081	150.9154176
CANLEY VALE	Coles Express Lansvale	99 Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-33.89295753	150.9606136
CANLEY VALE	Former Mobil Service Station	96 Canley Vale ROAD	Service Station	Regulation under CLM Act not required	-33.88591573	150.9369801
CANOWINDRA	BP-branded Jasbe Service Station	76 Rodd STREET	Service Station	Regulation under CLM Act not required	-33.56131773	148.6682805
CANTERBURY	Metro Petroleum Service Station	13-19 Canterbury ROAD	Service Station	Contamination currently regulated under CLM Act	-33.90783455	151.125207
CAPTAINS FLAT	Captains Flat former Station Masters Cottage	2 Copper Creek ROAD	Other Industry	Contamination currently regulated under CLM Act	-35.59027127	149.4384122
CAPTAINS FLAT	Captains Flat Rail Corridor	Copper Creek ROAD	Other Industry	Contamination currently regulated under CLM Act	-35.590513	149.438729

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CAPTAINS FLAT	Rail corridor adjacent to Lake George Mine	1 Copper Creek Road ROAD	Other Industry	Contamination currently regulated under CLM Act	-35.59038471	149.4382246
CARDIFF	7-Eleven Service Station	399 Main ROAD	Service Station	Regulation under CLM Act not required	-32.93391137	151.6562111
CARDIFF	BP Service Station (Reliance Petroleum)	Corner Sturt and Main ROADS	Service Station	Regulation under CLM Act not required	-32.93792229	151.6569905
CARDIFF	Former Caltex Service Station	367 Main ROAD	Service Station	Regulation under CLM Act not required	-32.93761223	151.6577781
CARDIFF	Former Mobil Depot	7 Ranton STREET	Other Petroleum	Regulation under CLM Act not required	-32.94516764	151.6470387
CARDIFF	Maneela Oval	Main ROAD	Other Industry	Regulation under CLM Act not required	-32.93018443	151.6435559
CARDIFF	Woolworths (former Mobil) Cardiff Service Station	43 Macquarie ROAD	Service Station	Regulation under CLM Act not required	-32.94118246	151.6578195
CARINGBAH	7-Eleven Service Station	367 The KINGSWAY	Service Station	Regulation under CLM Act not required	-34.03948677	151.1203268
CARINGBAH	Adjacent to Spirent Australia	101-103 Cawarra ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-34.03360747	151.1245577
CARINGBAH	BP Service Station Caringbah	54 Captain Cook DRIVE	Service Station	Regulation under CLM Act not required	-34.032986	151.1250656
CARINGBAH	Caltex Lilli Pilli Service Station	477-481 Port Hacking ROAD	Service Station	Regulation under CLM Act not required	-34.05243807	151.1216353
CARINGBAH	Former Consumer Health Products Manufacturer	32-40 Cawarra ROAD	Other Industry	Regulation under CLM Act not required	-34.03024369	151.1277755
CARINGBAH	Spirent Australia	105 Cawarra ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-34.03425343	151.1245092
CARLINGFORD	Caltex Service Station	797 Pennant Hills ROAD	Service Station	Regulation under CLM Act not required	-33.7757819	151.0516532
CARLINGFORD	Caltex Service Station Carlingford	131 Pennant Hills ROAD	Service Station	Regulation under CLM Act not required	-33.78762398	151.0279422

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CARLTON	Shell Coles Express Service Station	277 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-33.9748579	151.1272732
CARRINGTON	Carrington Coal Tar Pavements	Bourke Street to Dyke ROAD	Other Industry	Regulation under CLM Act not required	-32.91441348	151.770271
CARRINGTON	Carrington redevelopment site	11 Howden STREET	Other Industry	Regulation under CLM Act not required	-32.91309509	151.7625341
CARRINGTON	Commercial Metals Company (CMC) Australia Pty Ltd	117-121 Bourke STREET	Other Industry	Regulation under CLM Act not required	-32.9148832	151.7677193
CARRINGTON	Dyke Point Containment Cell	Dyke ROAD	Other Industry	Regulation under CLM Act not required	-32.91763422	151.7727101
CARRINGTON	Forgacs Dockyard	81 Denison STREET	Other Industry	Regulation under CLM Act not required	-32.9207441	151.764816
CARRINGTON	NAT vacant land	Bourke STREET	Unclassified	Regulation under CLM Act not required	-32.91276029	151.7685894
CARRINGTON	Pasminco Ship Loader	Dyke Berth 2 (off Bourke Street) OTHER	Metal Industry	Regulation under CLM Act not required	-32.9148698	151.7716837
CARSS PARK	Kogarah War Memorial Pool	78 Carwar AVENUE	Other Industry	Regulation under CLM Act not required	-33.9889195	151.1178227
CARSS PARK	Vacant Property	334 Princes HIGHWAY	Other Industry	Regulation under CLM Act not required	-33.98628486	151.1133908
CARWELL	Cement Australia Carwell Creek Quarries	Quarry ROAD	Other Industry	Regulation under CLM Act not required	-32.85570277	149.9170908
CASINO	18 Beith Street, Casino	18 Beith STREET	Unclassified	Regulation under CLM Act not required	-28.84951426	153.0446585
CASINO	Caltex Service Station	96 Centre STREET	Service Station	Regulation under CLM Act not required	-28.86539567	153.0450654
CASINO	Caltex Service Station and Depot Casino	28 & 32 Dyraaba STREET	Service Station	Regulation under CLM Act not required	-28.85488567	153.044806
CASINO	Casino Roadhouse	86 Johnston STREET	Service Station	Contamination formerly regulated under the CLM Act	-28.85960698	153.0562429

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CASINO	Corner Store	30 Barker STREET	Service Station	Regulation under CLM Act not required	-28.86316792	153.0389124
CASINO	Former Gasworks	134-136 North STREET	Gasworks	Regulation under CLM Act not required	-28.86080712	153.0526043
CASINO	Woolworths Service Station Casino	130 Canterbury STREET	Service Station	Regulation under CLM Act not required	-28.86231341	153.0464642
CASULA	Caltex Casula Service Station	646 Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-33.95641262	150.8934783
CATHERINE HILL BAY	Catherine Hill Bay Coal Handling and Preparation Plant	1A Keene STREET	Other Industry	Regulation under CLM Act not required	-33.16120556	151.6302456
CESSNOCK	Caltex Cessnock Service Station	103-105 Wollombi (Cnr James Street) ROAD	Service Station	Regulation under CLM Act not required	-32.83936243	151.3430078
CESSNOCK	Cessnock Former Landfill	Quarry St and Maitland Sts STREET	Landfill	Under assessment	-32.822275	151.379365
CESSNOCK	Former Mobil Service Station	102 Wollombi ROAD	Service Station	Regulation under CLM Act not required	-32.83844074	151.3436022
CESSNOCK	Former Service Station	2-4 Allandale ROAD	Service Station	Regulation under CLM Act not required	-32.83118911	151.3560677
CESSNOCK	Lot 340 DP 755215	Old Maitland ROAD	Gasworks	Regulation under CLM Act not required	-32.822025	151.379859
CHARBON	Charbon Colliery	Clarence ROAD	Other Industry	Regulation under CLM Act not required	-32.92390131	149.9839098
CHARLESTOWN	7-Eleven Charlestown	273 Charlestown ROAD	Service Station	Regulation under CLM Act not required	-32.95797076	151.6896275
CHARLESTOWN	Ausgrid Powell Street Depot	8 Powell STREET	Other Industry	Regulation under CLM Act not required	-32.95912375	151.6944136
CHARLESTOWN	Caltex Service Station	81 Pacific HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-32.96715274	151.6955462
CHARLESTOWN	Caltex Woolworths (Former BP)	91-93 Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-32.96631255	151.6959086

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CHARMHAVEN	Caltex Charmhaven Service Station	13-15 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.21655768	151.5091452
CHATSWOOD	Auto Repairs	2 Devonshire STREET	Service Station	Regulation under CLM Act not required	-33.8015482	151.1859632
CHATSWOOD	Caltex Service Station Chatswood	572 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.80381271	151.1789656
CHATSWOOD	Chatswood Toyota	728 Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-33.79654247	151.1776136
CHATSWOOD	Coles Express Service Station Chatswood	877-879 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.79182176	151.1804867
CHATSWOOD	Former Caltex Chatswood Service Station	607 Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-33.80396472	151.1795766
CHATSWOOD	Woolworths Chatswood	364-366 Eastern Valley WAY	Service Station	Regulation under CLM Act not required	-33.78667419	151.2010828
CHERRYBROOK	Caltex Service Station	67 Shepherds DRIVE	Service Station	Regulation under CLM Act not required	-33.72069183	151.0451415
CHESTER HILL	Building Recycling Operations 191 Miller Rd Chester Hill assessment (including 149 Orchard Rd).	191 Miller St & 149 Orchard Rd STREET	Chemical Industry	Under assessment	-33.884088	150.994779
CHESTER HILL	Former Orica, Chester Hill	127 Orchard ROAD	Chemical Industry	Contamination formerly regulated under the CLM Act	-33.8869823	150.9952873
CHESTER HILL	Integrated Packaging	141 Miller STREET	Other Industry	Under assessment	-33.88471858	150.9948992
CHESTER HILL	Various industrial premises	191 Miller ROAD	Chemical Industry	Under assessment	-33.88412112	150.9947587
CHIPPENDALE	Cnr Regent Street & Wellington Street, Chippendale	Wellington STREET	Chemical Industry	Contamination currently regulated under CLM Act	-33.88668912	151.2015246
CHIPPING NORTON	Former ACR	85-107 Alfred STREET	Chemical Industry	Contamination currently regulated under CLM Act	-33.92226795	150.9586496
CHIPPING NORTON	Former Solchem (Mobil) Depot Chipping Norton	49-51 Riverside ROAD	Other Petroleum	Regulation under CLM Act not required	-33.91621314	150.9696948

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CHISWICK	9 -17 Bibby Street, Chiswick	9 -17 Bibby STREET	Other Industry	Regulation under CLM Act not required	-33.884088	150.994779
CHISWICK	Former Sydney Wiremills (BHP) site	Blackwall Point ROAD	Other Industry	Regulation under CLM Act not required	-33.85131849	151.1369131
CHITTAWAY BAY	Former Caltex Chittaway Point	100 Chittaway ROAD	Service Station	Regulation under CLM Act not required	-33.32707555	151.4293546
CHULLORA	Chullora Railway Workshops	Worth STREET	Other Industry	Regulation under CLM Act not required	-33.88639388	151.0598201
CLANDULLA	Brogans Creek Quarry	Brogans Creek ROAD	Other Industry	Under assessment	-32.9851278	149.9587005
CLARENCE	Clarence Colliery	Chifley ROAD	Other Industry	Regulation under CLM Act not required	-33.46450217	150.2522729
CLARENDON	Coles Express Clarendon Service Station	244 Hawkesbury Valley WAY	Service Station	Regulation under CLM Act not required	-33.6083729	150.7890956
CLEARFIELD	Former Pamplings Dip Site	Off Clearfield ROAD	Cattle Dip	Regulation under CLM Act not required	-29.16287185	152.882974
CLYBUCCA	BP Service Station	2171 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-30.93845014	152.9422791
CLYDE	4 Tennyson Street, Clyde NSW 2142	4 Tennyson STREET	Other Industry	Regulation under CLM Act not required	-33.83268843	151.0267361
CLYDE	7-Eleven Clyde	3 Parramatta Road, corner Harbord STREET	Service Station	Regulation under CLM Act not required	-33.83494433	151.0222628
COBAR	Caltex Service Station	Lot 10 Railway PARADE	Service Station	Regulation under CLM Act not required	-31.49350124	145.8442372
COBAR	Caltex Service Station Cobar	99 Marshall (formerly Cnr Barrier Highway and Bathurst Street) STREET	Service Station	Regulation under CLM Act not required	-31.49631924	145.8275727
COBAR	Former Caltex (Bogas) Service Station Cobar	56-58 Marshall STREET	Service Station	Regulation under CLM Act not required	-31.49793339	145.8346684
COBAR	Mckinnons Gold Mine	Cobar ROAD	Metal Industry	Regulation under CLM Act not required	-31.78179755	145.693

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
COFFS HARBOUR	Airport Enterprise Park	Aviation DRIVE	Unclassified	Under assessment	-30.315403	153.113795
COFFS HARBOUR	Aussitel Backpackers Hostel	312 Harbour DRIVE	Service Station	Contamination formerly regulated under the CLM Act	-30.30585731	153.131645
COFFS HARBOUR	BP Service Station	134-136 Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-30.29187037	153.1182106
COFFS HARBOUR	Caltex Service Station	157 Orlando STREET	Service Station	Regulation under CLM Act not required	-30.28975334	153.1306354
COFFS HARBOUR	Coffs Harbour Slipway	38 Marina DRIVE	Other Industry	Regulation under CLM Act not required	-30.30325637	153.1441437
COFFS HARBOUR	Dan Murphy's Coffs Harbour	10 Elbow STREET	Service Station	Regulation under CLM Act not required	-30.29439262	153.115069
COFFS HARBOUR	Mobil Coffs Harbour Airport	Aviation DRIVE	Other Petroleum	Contamination formerly regulated under the CLM Act	-30.313385	153.1175018
COFFS HARBOUR	Mobil Service Station	314-316 Harbour DRIVE	Service Station	Contamination formerly regulated under the CLM Act	-30.3056983	153.131966
COFFS HARBOUR	Woolworths Petrol	Park Beach Plaza, Arthur STREET	Service Station	Regulation under CLM Act not required	-30.28101154	153.132027
COLEAMBALLY	Former Mobil Coleambally Depot	19 Bencubbin AVENUE	Other Petroleum	Regulation under CLM Act not required	-34.80279552	145.8945239
COLLARENEBRI	Former Shell Depot	Corner Narran Street and Queen STREET	Other Petroleum	Regulation under CLM Act not required	-29.54114772	148.5789365
COLONGRA	Endeavour Colliery	Scenic DRIVE	Other Industry	Regulation under CLM Act not required	-33.21297737	151.5416882
COLONGRA	Munmorah Colliery	Scenic DRIVE	Other Industry	Regulation under CLM Act not required	-33.21297737	151.5416882
COLYTON	Coles Express (former Ampol) Service Station	86-88 Great Western HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-33.77552363	150.7953105
CONCORD	Caltex Service Station	89 Parramatta ROAD	Service Station	Regulation under CLM Act not required	-33.86785624	151.0993769

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
CONCORD WEST	Caltex Service Station - 369 -375 Concord Road, Concord West	369-375 Concord ROAD	Service Station	Regulation under CLM Act not required	-33.84113835	151.0888843
CONDOBOLIN	BP-Branded Service Station	38 Denison Street, corner Molong STREET	Service Station	Regulation under CLM Act not required	-33.08520378	147.1524976
CONDOBOLIN	Former Ampol Depot	Cnr Parkes Road and Goobang STREET	Service Station	Regulation under CLM Act not required	-33.08034753	147.1642436
CONDOBOLIN	Former Caltex Depot	Parkes ROAD	Service Station	Regulation under CLM Act not required	-33.08255593	147.1585922
CONDOBOLIN	Former Mobil Depot	6 Burnett STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-33.08010515	147.1642972
CONDOBOLIN	Mobil Condobolin Depot Railway Siding	Railway Siding behind 6 Burnett STREET	Other Petroleum	Regulation under CLM Act not required	-33.08058612	147.164225
CONSTITUTION HILL	Sydney Water Land	Caloola ROAD	Unclassified	Regulation under CLM Act not required	-33.79781738	150.9697436
COOGEE	Caltex Coogee Service Station	146-148 Coogee Bay Road, corner Mount STREET	Service Station	Regulation under CLM Act not required	-33.91989232	151.2517454
COOKS HILL	Former Council Depot Cooks Hill	152 Bruce Street and 115 Corlette STREET	Other Industry	Regulation under CLM Act not required	-32.93525537	151.7641074
COOLAC	Coolac Service Station	Corner Hume Highway and Coleman STREET	Service Station	Regulation under CLM Act not required	-34.95435052	148.1595525
COOLAH	BP Depot (Reliance Petroleum)	72 (formerly 17-23) Cunningham STREET	Other Petroleum	Regulation under CLM Act not required	-31.82275896	149.7243171
COOLONGLOOK	Caltex Service Station	Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-32.21648325	152.322813
COOMA	Caltex Cooma Service Station	44 Sharp Street, corner Baron STREET	Service Station	Regulation under CLM Act not required	-36.23323489	149.1304134
COOMA	Former Caltex Cooma Depot	2 Short STREET	Service Station	Regulation under CLM Act not required	-36.2338672	149.1348862
COOMA	Former Mobil Cooma Depot	2 Commissioner STREET	Other Petroleum	Regulation under CLM Act not required	-36.23266081	149.1346674

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
COOMA	Former Shell Depot	48-50 Bradley STREET	Other Petroleum	Regulation under CLM Act not required	-36.23448955	149.1347987
COOMA	Former Shell Service Station	48-52 Sharp STREET	Service Station	Contamination formerly regulated under the CLM Act	-36.23350402	149.1299514
COOMA	Lowes Petroleum Cooma Depot and Service Station (Former BP Reliance Petroleum)	2-4 Sharp STREET	Other Petroleum	Regulation under CLM Act not required	-36.22819468	149.1357696
COOMA	Woolworths Caltex Cooma Service Station	Bombala Street Cnr Massie STREET	Service Station	Regulation under CLM Act not required	-36.23364626	149.1267469
COONABARABRAN	Caltex Service Station	Cnr Dawson & Drummond STREET	Service Station	Regulation under CLM Act not required	-31.26994941	149.28183
COONABARABRAN	Caltex Service Station	85-87 John STREET	Service Station	Regulation under CLM Act not required	-31.27231215	149.2771297
COONABARABRAN	Former Mobil Depot	49 Cowper STREET	Other Petroleum	Regulation under CLM Act not required	-31.27096226	149.2818461
COONABARABRAN	Former Shell Coonabarabran CVRO	Corner Cowper St and Dawson St, formerly 51 Cowper STREET	Other Petroleum	Regulation under CLM Act not required	-31.27003745	149.281788
COONABARABRAN	Shell Coles Express Service Station	2-6 John STREET	Service Station	Regulation under CLM Act not required	-31.27706775	149.27836
COONAMBLE	Caltex Service Station	Quambone ROAD	Service Station	Regulation under CLM Act not required	-30.95410067	148.3792167
COONAMBLE	Former Shell Coonamble Depot	Corner Aberford Street and Quambone ROAD	Other Petroleum	Regulation under CLM Act not required	-30.95349182	148.3793432
COORANBONG	Avondale Auto Centre	679 Freemans DRIVE	Service Station	Regulation under CLM Act not required	-33.06968809	151.4636293
COORANBONG	Former Poultry Farm - 91 Alton Road, Cooranbong	64 - 98 Alton ROAD	Unclassified	Regulation under CLM Act not required	-33.06860138	151.4512156
COOTAMUNDRA	Caltex Service Station	26-34 Hovell STREET	Service Station	Regulation under CLM Act not required	-34.63624703	148.0347479
COOTAMUNDRA	Cootamundra Gasworks	140-146 Hovell STREET	Gasworks	Contamination currently regulated under CLM Act	-34.64572841	148.0255049

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
COOTAMUNDRA	Former Amoco Depot	68-72 Hovell STREET	Other Petroleum	Contamination currently regulated under CLM Act	-34.63871124	148.0321134
COOTAMUNDRA	Former Ampol Cootamundra Rail Siding	Back Brawlin ROAD	Other Petroleum	Regulation under CLM Act not required	-34.65326425	148.0143068
COOTAMUNDRA	Former Ampol Service Station	72 Parker STREET	Service Station	Regulation under CLM Act not required	-34.63471008	148.0296112
COOTAMUNDRA	Former BP Depot	1-5 Murray STREET	Other Petroleum	Regulation under CLM Act not required	-34.62915841	148.0306962
COOTAMUNDRA	Former Caltex Depot	219 Sutton STREET	Other Petroleum	Regulation under CLM Act not required	-34.65126548	148.0145283
CORAMBA	Martin Street	End of Martin Street and adjacent car park OTHER	Service Station	Ongoing maintenance required to manage residual contamination (CLM Act)	-30.22125208	153.0156997
CORNWALLIS	532 Cornwallis Road, Cornwallis	532 Cornwallis ROAD	Other Industry	Regulation under CLM Act not required	-33.57473895	150.7792839
COROWA	Cignall Corowa	280 Hume STREET	Service Station	Under preliminary investigation order	-36.00996015	146.3760437
COROWA	Corowa Shire Council Works Depot	24 Poseidon ROAD	Other Petroleum	Regulation under CLM Act not required	-35.98807923	146.3652266
COROWA	Former Ampol Corowa	10 Bow STREET	Service Station	Regulation under CLM Act not required	-35.99364786	146.3901259
CORRIMAL	7-Eleven Corrimal	138-146 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.36986818	150.8978241
CORRIMAL	Woolworths Petrol - Corrimal	275 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.37527426	150.8962637
COWRA	Former Gasworks	30 Brougham STREET	Gasworks	Contamination currently regulated under CLM Act	-33.8389659	148.6963482
COWRA	Former Railway Gatekeeper Residence Cowra	32 Brougham STREET	Gasworks	Regulation under CLM Act not required	-33.8389659	148.6963482
COWRA	Landmark Fertiliser Storage Facility	Corner Young Road & Waratah STREET	Chemical Industry	Regulation under CLM Act not required	-33.84321832	148.6722578

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COWRA	Lowes Petroleum (former BP Cowra Depot)	12 Campbell STREET	Other Petroleum	Regulation under CLM Act not required	-33.83803706	148.6977873
COWRA	Shell Depot	34 Brougham STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-33.83913341	148.6973491
CRANGAN BAY	Former Service Station	555 and 565 Pacific HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-33.17306517	151.6084446
CREMORNE	Shell Coles Express Service Station	225 Military ROAD	Service Station	Regulation under CLM Act not required	-33.83063306	151.226223
CRESTWOOD	Former BP Queanbeyan	64 Uriarra ROAD	Service Station	Regulation under CLM Act not required	-35.34646177	149.2246263
CRESTWOOD	Former Caltex Depot Queanbeyan	36 Kendall (Cnr Stephens Rd) AVENUE	Other Petroleum	Regulation under CLM Act not required	-35.34615546	149.207807
CROMER	Former Roche Products Dee Why Facility	100 South Creek ROAD	Other Industry	Contamination currently regulated under CLM Act	-33.73893118	151.2870389
CRONULLA	Breen Holdings	Bate Bay ROAD	Other Industry	Regulation under CLM Act not required	-34.03861737	151.1614114
CROWS NEST	Caltex Service Station	111-121 Falcon STREET	Service Station	Regulation under CLM Act not required	-33.82868236	151.2060317
CROYDON	BP Ashfield	584 Parramatta ROAD	Service Station	Regulation under CLM Act not required	-33.87399409	151.1267296
CROYDON	Caltex Service Station	404-410 Liverpool ROAD	Service Station	Regulation under CLM Act not required	-33.88853994	151.115879
CROYDON PARK	Mobil Service Station	334 Georges River ROAD	Service Station	Regulation under CLM Act not required	-33.89771626	151.0999194
CULCAIRN	Caltex Service Station	2883 Olympic HIGHWAY	Service Station	Regulation under CLM Act not required	-35.67441635	147.0356845
CULLEN BULLEN	Baal Bone Colliery	Castlereagh HIGHWAY	Other Industry	Regulation under CLM Act not required	-33.27193875	150.0587194
CUNDELTOWN	Caltex Service Station (1 Manning River Drive)	Old Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-31.89329598	152.5068225

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CURL CURL	John Fisher Park	Corner Harbord and Abbott ROADS	Landfill	Regulation under CLM Act not required	-33.76622613	151.2860705
DACEYVILLE	Astrolabe Park	Cook AVENUE	Landfill	Regulation under CLM Act not required	-33.92963704	151.221773
DAPTO	7-Eleven Dapto	125 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.4983106	150.7912911
DAPTO	Nicheinvest Pty Ltd (Former service station)	133-139 Lakelands DRIVE	Service Station	Regulation under CLM Act not required	-34.50335	150.803177
DAPTO	RailCorp Dapto	(Rear of property) 12-14 Hamilton STREET	Other Industry	Regulation under CLM Act not required	-34.50045405	150.787353
DARLINGHURST	18-28 Neild Avenue, Darlinghurst	18-28 Neild AVENUE	Landfill	Regulation under CLM Act not required	-33.87876581	151.2276546
DARLINGHURST	Cross City Tunnel	Riley Street and William STREET	Service Station	Contamination was addressed via the planning process (EP&A Act)	-33.87424636	151.2158305
DARLINGHURST	Proposed Retail Unit	139-155 Palmer STREET	Unclassified	Regulation under CLM Act not required	-33.87504688	151.2168106
DARLINGTON	Redfern North Eveleigh Precinct – Paint Shop and Clothing Store sub-precincts	281 Wilson STREET	Unclassified	Under assessment	-33.893419	151.190342
DEE WHY	Caltex Service Station	793-797 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.74566596	151.2920719
DEE WHY	Dee Why Town Centre	Pittwater ROAD	Other Industry	Regulation under CLM Act not required	-33.753169	151.2875805
DEE WHY	United Dee Why	148 Pacific Parade STREET	Service Station	Contamination currently regulated under CLM Act	-33.75569536	151.295963
DEE WHY	United Dee Why Pittwater	625 Pittwater Road, Cnr Mooramba ROAD	Service Station	Regulation under CLM Act not required	-33.7559565	151.2826053
DENHAM COURT	Denham Court Caravan Park and Service Station	505 Campbelltown ROAD	Service Station	Contamination currently regulated under CLM Act	-33.98208395	150.8459471
DENILIQUIN	BP Depot (Reliance Petroleum)	125 - 127 Hardinge STREET	Service Station	Regulation under CLM Act not required	-35.53222124	144.9517397

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
DENILIQUIN	Former Deniliquin Caltex Depot	116-118 Hardinge (Cnr Wood St) STREET	Service Station	Regulation under CLM Act not required	-35.53196985	144.9544597
DENILIQUIN	Former Deniliquin Gasworks	365, 369 and 329-331 George and 380 and 386 Charlotte STREET	Gasworks	Under assessment	-35.52670898	144.9634996
DENILIQUIN	Former Shell Depot	143-147 Napier STREET	Other Petroleum	Regulation under CLM Act not required	-35.5342355	144.953169
DENILIQUIN	Landmark Fertiliser Storage Facility	99-101 Davidson STREET	Chemical Industry	Regulation under CLM Act not required	-35.52534735	144.975142
DENILIQUIN	Previous Council depot site	392 - 394 Hay ROAD	Unclassified	Regulation under CLM Act not required	-35.51888562	144.977968
DENILIQUIN	Shell Coles Express Service Station	336 Victoria STREET	Service Station	Contamination formerly regulated under the CLM Act	-35.52373613	144.9807345
DENMAN	Former Industrial Site	10 Fontana WAY	Metal Industry	Regulation under CLM Act not required	-32.37945456	150.6868239
DENMAN	Former Industrial Site	9 Fontana WAY	Metal Industry	Regulation under CLM Act not required	-32.37911159	150.6869866
DORA CREEK	Former Service Station	4 Doree PLACE	Service Station	Regulation under CLM Act not required	-33.08452746	151.502415
DOUBLE BAY	64 Suttie Road, Double Bay NSW 2028	64 Suttie ROAD	Other Industry	Regulation under CLM Act not required	-33.88449649	151.2472734
DOYALSON	Mannering Colliery (formerly Wyee)	Rutleys ROAD	Other Industry	Regulation under CLM Act not required	-33.17179576	151.5419248
DOYALSON	Munmorah Power Station	(Central Coast Highway) Scenic DRIVE	Other Industry	Under assessment	-33.20678347	151.540795
DOYALSON	Part Lot 3 DP 259306	Off David STREET	Other Industry	Regulation under CLM Act not required	-33.20436131	151.5232558
DOYALSON NORTH	Caltex Service Station	235 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.18501024	151.5526114
DOYALSON NORTH	Shell Coles Express Service Station	260-270 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.18636608	151.5482399

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
DRUMMOYNE	Caltex Service Station	191-195 Lyons ROAD	Service Station	Regulation under CLM Act not required	-33.85699216	151.1460356
DRUMMOYNE	Coles Express Service Station Drummoyne (Eastbound)	36-46 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.85576628	151.1593519
DRUMMOYNE	Coles Express Service Station Drummoyne South (Westbound)	39-45 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.85606575	151.1589061
DRUMMOYNE	Former Dry Cleaners	225 Victoria ROAD	Chemical Industry	Regulation under CLM Act not required	-33.8507152	151.1537113
DUBBO	Ampol Service Station, Dubbo	Cnr Brisbane Street and Cobra STREET	Service Station	Contamination currently regulated under CLM Act	-32.25322183	148.603164
DUBBO	BP Reliance Petroleum Service Station (Former Mobil Depot)	107 Erskine STREET	Other Petroleum	Regulation under CLM Act not required	-32.24441287	148.6111704
DUBBO	BP-Branded Service Station Dubbo West	51-63 Whylandra STREET	Service Station	Regulation under CLM Act not required	-32.24827657	148.5927084
DUBBO	Caltex Service Station	119 Bourke STREET	Service Station	Regulation under CLM Act not required	-32.24336464	148.6091931
DUBBO	Caltex Service Station, Dubbo	60 Windsor PARADE	Service Station	Regulation under CLM Act not required	-32.25459322	148.6318
DUBBO	Dubbo Police Station	143 Brisbane STREET	Other Petroleum	Regulation under CLM Act not required	-32.24652288	148.6034702
DUBBO	Former Ambulance Station	165 Brisbane STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-32.24850755	148.6031749
DUBBO	Former Caltex Depot	Phillip (corner Fitzroy) STREET	Service Station	Regulation under CLM Act not required	-32.24534863	148.6150144
DUBBO	Former Mobil depot	40-44 Morgan STREET	Other Petroleum	Regulation under CLM Act not required	-32.23912277	148.6182711
DUBBO	Inland Petroleum (Former Shell) Depot	109 Erskine STREET	Other Petroleum	Regulation under CLM Act not required	-32.24470512	148.6124108
DUBBO	Lowes Petroleum (BP-Branded) Depot, Dubbo	105 Erskine STREET	Service Station	Regulation under CLM Act not required	-32.24423247	148.6101676

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
DUBBO	Shell Coles Express Service Station	131-133 Cobra STREET	Service Station	Regulation under CLM Act not required	-32.25511317	148.6126147
DUBBO	Shell Coles Express Service Station	45-49 Whylandra STREET	Service Station	Regulation under CLM Act not required	-32.2474598	148.5932769
DUBBO	United (former Volume Plus) Service Station	219-223 Cobra STREET	Service Station	Regulation under CLM Act not required	-32.2565155	148.6228586
DUDLEY	Dudley Public School	Cnr Ocean & Boundary STREET	Landfill	Regulation under CLM Act not required	-32.988184	151.716027
DULWICH HILL	Denison Road Playground	194 Denison ROAD	Landfill	Regulation under CLM Act not required	-33.90121956	151.1404637
DULWICH HILL	Former Tyre Recapping	115-117 Constitution ROAD	Other Industry	Regulation under CLM Act not required	-33.90300876	151.1387724
DUNEDOO	Former Shell Depot Dunedoo	Cnr Bolaro and Redbank STREET	Other Petroleum	Regulation under CLM Act not required	-32.01565761	149.3922418
DUNGOG	Former HWC Maintenance Depot for Civil Engineering Works	86 Abelard STREET	Other Industry	Regulation under CLM Act not required	-32.40429396	151.7514073
DUNGOG	Lot 54 Common Rd	54 Common ROAD	Unclassified	Regulation under CLM Act not required	-32.39490989	151.739821
DUNMORE	Equestrian Centre	71 Fig Hill LANE	Unclassified	Regulation under CLM Act not required	-34.62313393	150.8421544
DURAL	21 John Radley Avenue, Dural	21 John Radley AVENUE	Landfill	Regulation being finalised	-33.71718718	151.0331317
DURAL	BP Dural Service Station	580 Old Northern ROAD	Service Station	Regulation under CLM Act not required	-33.69569985	151.0283357
DURAL	Caltex Dural Service Station	917-923 Old Northern ROAD	Service Station	Regulation under CLM Act not required	-33.68312075	151.0287519
DURAL	Caltex Service Station	530 Old Northern ROAD	Service Station	Regulation under CLM Act not required	-33.69348472	151.0202716
DURAL	Dural Quarry	54 Quarry ROAD	Landfill	Under assessment	-33.700731	151.053722

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
DURAL	Woolworths Service Station	532 Old Northern ROAD	Service Station	Regulation under CLM Act not required	-33.69348472	151.0202716
DURI	Duri Store	13 Railway AVENUE	Service Station	Contamination currently regulated under CLM Act	-31.21710021	150.8183675
EAGLE VALE	BP Service Station	Corner Eagle Vale Drive and Gould ROAD	Service Station	Regulation under CLM Act not required	-34.03128043	150.816363
EARLWOOD	2, 4 & 6 Unwin Street Earlwood	2, 4 & 6 Unwin STREET	Landfill	Regulation under CLM Act not required	-33.92683761	151.149505
EARLWOOD	RTA Land	3 Jackson PLACE	Unclassified	Regulation under CLM Act not required	-33.92724512	151.1433382
EARLWOOD	Wolli Creek Aqueduct	Unwin STREET	Unclassified	Regulation under CLM Act not required	-33.92788788	151.1480807
EAST BALLINA	Caltex East Ballina Service Station	34 Links AVENUE	Service Station	Regulation under CLM Act not required	-28.85009113	153.5829246
EAST GOSFORD	Hylton Moore Park	Althrop STREET	Landfill	Contamination currently regulated under CLM Act	-33.4352203	151.3601193
EAST GOSFORD	Mobil Service Station	44 Victoria STREET	Service Station	Contamination formerly regulated under the CLM Act	-33.43804781	151.353303
EAST GOSFORD	Presbyterian Aged Care Facility	8-18 Enid CRESCENT	Landfill	Regulation under CLM Act not required	-33.4376675	151.3577947
EAST MAITLAND	Caltex East Maitland Service Station	Newcastle Road, Corner William STREET	Service Station	Regulation under CLM Act not required	-32.74883712	151.5829296
EAST MAITLAND	Former Gasworks Site	Corner Melbourne Street and Brisbane STREET	Gasworks	Regulation under CLM Act not required	-32.74939199	151.5788783
EAST MAITLAND	United Service Station East Maitland	164 (also known as 250) Newcastle STREET	Service Station	Regulation under CLM Act not required	-32.75245246	151.5869136
EAST MAITLAND	Woolworths Caltex Green Hills	14 Mitchell DRIVE	Service Station	Regulation under CLM Act not required	-32.76182386	151.5927863
EAST TAMWORTH	Caltex Service Station	350-362 Armidale ROAD	Service Station	Regulation under CLM Act not required	-31.11401974	150.9613327

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
EASTERN CREEK	Caltex Service Station	M4 (Eastbound) MOTORWAY	Service Station	Regulation under CLM Act not required	-33.801607	150.8857989
EASTERN CREEK	Caltex Service Station M4 Motorway Westbound	M4 (Westbound) MOTORWAY	Service Station	Regulation under CLM Act not required	-33.80255701	150.8829211
EASTERN CREEK	Fulton Hogan Industries (formerly Pioneer Road Services)	Honeycomb DRIVE	Other Industry	Regulation under CLM Act not required	-33.80231274	150.8288299
EASTGARDENS	130-150 Bunnerong Road Eastgardens	130 - 150 Bunnerong ROAD	Other Industry	Regulation under CLM Act not required	-33.94230414	151.2248138
EASTLAKES	73 Gardeners Road	73 Gardeners ROAD	Unclassified	Regulation under CLM Act not required	-33.92541594	151.2182856
EASTLAKES	Budget Petroleum Eastlakes	102 Maloney STREET	Service Station	Under assessment	-33.93120382	151.2054267
EASTLAKES	Eastlakes Reserve	Evans AVENUE	Service Station	Contamination formerly regulated under the CLM Act	-33.92497291	151.2102725
EASTLAKES	Former Shell Rosebery service station and adjacent land	275-279 Gardeners ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.92471289	151.2100772
EASTWOOD	34 Clanwilliam Street, Eastwood	34 Clanwilliam STREET	Other Industry	Regulation under CLM Act not required	-33.797095	151.073838
EASTWOOD	Former Mobil Service Station Eastwood	3-5 Trelawney (Cnr Rutledge St) STREET	Service Station	Regulation under CLM Act not required	-33.79273381	151.079584
EDEN	Caltex Service Station	159 Imlay STREET	Service Station	Regulation under CLM Act not required	-37.06324099	149.9044022
EDEN	Former Caltex Eden Depot	80-82 Imlay STREET	Service Station	Contamination currently regulated under CLM Act	-37.0570984	149.9038538
EDENSOR PARK	7-Eleven (former Mobil) Service Station	615-621 Cowpasture Road, corner Elizabeth DRIVE	Service Station	Regulation under CLM Act not required	-33.88326139	150.865591
EDENSOR PARK	Caltex Bonnyrigg Service Station, Edensor Park	549 Elizabeth DRIVE	Service Station	Regulation under CLM Act not required	-33.88840816	150.8822609
EDGECLIFF	BP-branded (former Coles Express) Service Station	73-85A New South Head ROAD	Service Station	Regulation under CLM Act not required	-33.8769602	151.2311617

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
EDGEWORTH	Caltex Service Station	662 Main ROAD	Service Station	Regulation under CLM Act not required	-32.92566329	151.6278888
EDGEWORTH	Caltex-Woolworths Branded Service Station Edgeworth	738-742 Main ROAD	Service Station	Regulation under CLM Act not required	-32.92455492	151.6202897
EMERALD BEACH	Shell Coles Express Woolgoolga Service Station	1850 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-30.16450856	153.1826673
EMERTON	7-Eleven Emerton	135-137 Popondetta ROAD	Service Station	Regulation under CLM Act not required	-33.74463908	150.8102251
EMPIRE BAY	Empire Bay Marina	16B Sorrento ROAD	Other Industry	Contamination currently regulated under CLM Act	-33.49305196	151.3643119
EMU HEIGHTS	7-Eleven Service Station	126 Old Bathurst ROAD	Service Station	Regulation under CLM Act not required	-33.74299098	150.6547098
EMU HEIGHTS	Woolworths Service Station	132 Old Bathurst ROAD	Service Station	Regulation under CLM Act not required	-33.7429739	150.6559655
EMU PLAINS	Woolworths Service Station	283 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.75371349	150.6530165
ENGADINE	BP Branded Service Station	963 Old Princes HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-34.06428454	151.0167121
ENGADINE	BP Service Station	1234 Princes HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-34.07735416	151.01121
ENGADINE	Former Caltex Service Station	995 Old Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.06413459	151.0155734
ENNGONIA	Clara Hart Village	17 Fourth AVENUE	Landfill	Under assessment	-29.31449	145.85403
EPPING	7-Eleven (former Mobil) Service Station	246 Beecroft ROAD	Service Station	Regulation under CLM Act not required	-33.77073552	151.080581
ERINA	7-Eleven Erina	214 The Entrance ROAD	Service Station	Regulation under CLM Act not required	-33.43494257	151.3879511
ERINA	7-Eleven Service Station	96 The Entrance ROAD	Service Station	Regulation under CLM Act not required	-33.43786868	151.3729331

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ERINA	Caltex Service Station	155 The Entrance ROAD	Service Station	Regulation under CLM Act not required	-33.43824871	151.3801096
ERINA	Coles Express Service Station Erina	211 The Entrance ROAD	Service Station	Regulation under CLM Act not required	-33.43547804	151.3850522
ERINA	Jaycar Electronics Store	1 Aston ROAD	Other Petroleum	Contamination currently regulated under CLM Act	-33.434878	151.3845431
ERMINGTON	Blue Star Ermington	700 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.80859566	151.0660133
ERMINGTON	Caltex Service Station	562 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.81392814	151.0547543
ERSKINE PARK	Western Sydney Service Centre	25-55 Templar ROAD	Other Industry	Regulation under CLM Act not required	-33.81897822	150.7937394
ERSKINEVILLE	Area B - Public Domain / The Roadway	1A Coulson STREET	Other Petroleum	Regulation under CLM Act not required	-33.90499999	151.1873028
ERSKINEVILLE	Department of Housing	52 John STREET	Other Industry	Regulation under CLM Act not required	-33.8982925	151.1840284
ERSKINEVILLE	Lot 4/1A Coulson Street	Coulson STREET	Other Industry	Regulation under CLM Act not required	-33.90316549	151.1867963
ERSKINEVILLE	RailCorp land	Coulson STREET	Other Industry	Regulation under CLM Act not required	-33.90483899	151.1838804
ERSKINEVILLE	Redevelopment Site (Former Industrial Park) Erskineville	36/1A Coulson STREET	Other Industry	Regulation under CLM Act not required	-33.90325501	151.1855668
EUABALONG WEST	BP Euabalong West Depot (Reliance Petroleum)	12 Illewong STREET	Other Petroleum	Regulation under CLM Act not required	-33.05720426	146.3946386
EVANS HEAD	Bundjalung National Park	The Gap ROAD	Unclassified	Regulation under CLM Act not required	-29.24433977	153.3626472
EVANS HEAD	Evans Head Aerodrome	Memorial Airport DRIVE	Other Industry	Regulation under CLM Act not required	-29.10389976	153.4216791
EVANS HEAD	Evans Head Residential subdivision	Bounded by Currajong, Woodburn, Carrabeen Streets and Tuckeroo CRESCENT	Unclassified	Regulation under CLM Act not required	-29.1080969	153.4243577

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
EVELEIGH	Australian Technology Park	Henderson ROAD	Other Industry	Regulation under CLM Act not required	-33.89634136	151.1944915
EVELEIGH	Macdonaldtown Triangle	Burren STREET	Gasworks	Contamination being managed via the planning process (EP&A Act)	-33.89803492	151.186059
FAIRFIELD	Endeavour Energy Fairfield Zone Substation	22 Hedges STREET	Other Industry	Regulation under CLM Act not required	-33.86133019	150.9555899
FAIRFIELD EAST	Speedway-Branded Service Station Fairfield	251 The Horsley DRIVE	Service Station	Regulation under CLM Act not required	-33.8711661	150.9630077
FAIRFIELD HEIGHTS	7-Eleven Fairfield Heights	234 Hamilton (Cnr The Boulevard) ROAD	Service Station	Regulation under CLM Act not required	-33.87208474	150.9373134
FAIRY MEADOW	Caltex Fuel Depot and adjoining land	46 Montague STREET	Service Station	Contamination formerly regulated under the CLM Act	-34.40050499	150.8953125
FAIRY MEADOW	Deynal (Seeman)	51-59 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.39437085	150.8924666
FAIRY MEADOW	Woolworths Petrol Service Station	47 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.39399705	150.8925369
FALLS CREEK	805 Falls Road, Falls Creek NSW	805 Falls ROAD	Unclassified	Under assessment	-34.994368	150.620648
FARLEY	Farley Wastewater Treatment Works	Owlpen LANE	Other Industry	Regulation under CLM Act not required	-32.74431314	151.5194217
FASSIFERN	Former Arsenic Smelter	Fassifern ROAD	Other Industry	Regulation under CLM Act not required	-32.99649819	151.5618283
FASSIFERN	Newstan Colliery	Fassifern ROAD	Other Industry	Regulation under CLM Act not required	-32.97942521	151.5660046
FEDERAL	Federal General Store	3-6 Federal DRIVE	Service Station	Contamination formerly regulated under the CLM Act	-28.65190728	153.4552976
FENNELL BAY	Fennell Bay Public School	2 Bay ROAD	Unclassified	Under assessment	-32.99152231	151.6014923
FERN BAY	Former service station	37 Fullerton (1006 Nelson Bay Road) STREET	Service Station	Regulation under CLM Act not required	-32.87245004	151.7939904

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
FIVE DOCK	7-Eleven Five Dock Service Station	231-235 Great North ROAD	Service Station	Regulation under CLM Act not required	-33.86488376	151.130002
FIVE DOCK	Caltex Five Dock Service Station	47 Ramsay Road, corner Fairlight STREET	Service Station	Regulation under CLM Act not required	-33.87002804	151.1301835
FORBES	BP (Former Mobil) Depot Forbes	3-15 Union STREET	Other Petroleum	Regulation under CLM Act not required	-33.37751977	148.0101422
FORBES	BP Service Station Forbes	29 Dowling STREET	Service Station	Regulation under CLM Act not required	-33.38121776	148.0100351
FORBES	Caltex Service Station Forbes	Parkes ROAD	Service Station	Regulation under CLM Act not required	-33.36333714	148.0223727
FORBES	Former Gasworks	24-26 Union STREET	Gasworks	Contamination currently regulated under CLM Act	-33.37752036	148.0090064
FORBES	Former Shell Depot	Stephen STREET	Other Petroleum	Regulation under CLM Act not required	-33.37704755	148.0103001
FORBES	Woolworths (Former Save on Fuel) Service Station	26 Dowling STREET	Service Station	Regulation under CLM Act not required	-33.38148764	148.0109845
FORESTVILLE	BP Service Station, Forestville	632 Warringah ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.75997969	151.2142944
FORESTVILLE	Shell Service Station	667 Warringah ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.76035336	151.2184929
FORRESTER'S BEACH	Caltex Service Station	The Entrance Rd Cnr Bellevue ROAD	Service Station	Regulation under CLM Act not required	-33.40057818	151.4687631
FORSTER	Caltex Service Station	16-18 Lake STREET	Service Station	Regulation under CLM Act not required	-32.18306967	152.5162492
FORSTER	Enhance (Former Mobil) Service Station	86-88 Macintosh STREET	Service Station	Regulation under CLM Act not required	-32.19079468	152.5154847
FORSTER	Shell (Kneebone's) Service Station	2-6 The Lakes WAY	Service Station	Regulation under CLM Act not required	-32.1946108	152.5145662
FREDERICKTON	Former Service station	2-4 Great North ROAD	Service Station	Regulation under CLM Act not required	-31.03513998	152.8794105

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
FRENCHS FOREST	Former 7-Eleven / Mobil Beacon Hill Service Station, Frenchs Forest	312 Warringah ROAD	Service Station	Regulation under CLM Act not required	-33.75129647	151.2469656
FRENCHS FOREST	Former BP Service Station	Russell AVENUE	Service Station	Regulation under CLM Act not required	-33.75018093	151.2245005
FRESHWATER	Former Dry Cleaners	121 Wyndora AVENUE	Other Industry	Regulation under CLM Act not required	-33.77425321	151.2821553
FRESHWATER	Prime Service Station Freshwater	117 Harbord ROAD	Service Station	Regulation under CLM Act not required	-33.77286748	151.2794354
FRESHWATER	Srilax Pty Ltd	2 Soldiers AVENUE	Service Station	Under assessment	-33.777383	151.286944
GATESHEAD	7-Eleven Gateshead	13-15 Pacific HIGHWAY	Service Station	Under assessment	-32.98743366	151.6923984
GEORGETOWN	Former Caltex Service Station	4 Georgetown ROAD	Service Station	Regulation under CLM Act not required	-32.91121105	151.7319693
GERRINGONG	Gerringong Cooperative	18 Belinda STREET	Other Petroleum	Regulation under CLM Act not required	-34.74518835	150.8181054
GILGANDRA	Caltex Service Station Gilgandra	6425 Newell HIGHWAY	Service Station	Regulation under CLM Act not required	-31.72545524	148.65281
GILGANDRA	Former Mobil Depot	2 Federation STREET	Other Petroleum	Regulation under CLM Act not required	-31.70937362	148.6522102
GILGANDRA	Former Mobil Depot	20 Federation STREET	Other Petroleum	Regulation under CLM Act not required	-31.70771744	148.6514198
GILGANDRA	United (Former Mobil) Service Station	13 Castlereagh STREET	Service Station	Regulation under CLM Act not required	-31.71715641	148.6581574
GILLENBAH	Caltex (Former Mobil) Narrandera Service Station	16321 - 16335 Newell HIGHWAY	Service Station	Regulation under CLM Act not required	-34.76124219	146.5398604
GIRRAWEE	Caltex Pendle Hill Service Station Girraween	602 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.80827518	150.9421511
GIRRAWEE	Industrial Galvanizers Girraween	20-22 Amax AVENUE	Metal Industry	Regulation being finalised	-33.80500693	150.9396743

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GLADESVILLE	Caltex Service Station	287-295 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.8285374	151.1268639
GLADESVILLE	Caltex Service Station	116 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.83575319	151.1277863
GLADESVILLE	Glade View Business Park	436-484 Victoria ROAD	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.82382382	151.1223941
GLADESVILLE	Road Reserve	Pittwater ROAD	Other Industry	Regulation under CLM Act not required	-33.81603924	151.1355085
GLADSTONE	Barbers Auto Port	52-53 Barnard STREET	Service Station	Regulation under CLM Act not required	-31.02313668	152.9481617
GLEBE	The Hill and Jubilee Embankment	12 Maxwell ROAD	Other Industry	Regulation under CLM Act not required	-33.87573032	151.1776027
GLEN INNES	Ambulance Station	106 Bourke STREET	Unclassified	Regulation under CLM Act not required	-29.73805854	151.7313138
GLEN INNES	Caltex Glen Innes Paddock	9979 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-29.75608853	151.7344106
GLEN INNES	Caltex Glen Innes Service Station	Meade Street, corner Church STREET	Service Station	Regulation under CLM Act not required	-29.73699014	151.7379335
GLEN INNES	Caltex Service Station	Cnr Taylor Street & Church STREET	Service Station	Regulation under CLM Act not required	-29.73289036	151.739653
GLEN INNES	Council-owned Laneway	Lot 2 Lang STREET	Gasworks	Regulation under CLM Act not required	-29.74385432	151.7323049
GLEN INNES	Former Caltex Depot, Glen Innes	Lot 1 DP785636 Lambeth STREET	Other Petroleum	Regulation under CLM Act not required	-29.73525485	151.7279167
GLEN INNES	Former Shell Depot	Lambeth STREET	Other Petroleum	Regulation under CLM Act not required	-29.7376309	151.7276309
GLEN INNES	Telstra Depot Glen Innes	126 Lambeth STREET	Unclassified	Regulation under CLM Act not required	-29.73565341	151.7278271
GLENBROOK	Caltex Service Station Glenbrook	78 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.76545234	150.6215447

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GLENDALE	Coles Express Glendale	593 Main ROAD	Service Station	Regulation under CLM Act not required	-32.92709242	151.637946
GLENDALE	Former Service Station	334-342 Lake ROAD	Unclassified	Regulation under CLM Act not required	-32.92775076	151.6433463
GLENDALE	Settlement Pond	65 Glendale DRIVE	Unclassified	Regulation under CLM Act not required	-32.93411399	151.6483695
GLENDALE	Woolworths Service Station	Stockland DRIVE	Service Station	Regulation under CLM Act not required	-32.93250548	151.6404097
GLENDENNING	7-Eleven Plumpton Service Station Glendenning	1 Dublin Street, corner Richmond ROAD	Service Station	Regulation under CLM Act not required	-33.73988232	150.8603323
GLENORIE	Caltex Glenorie Service Station	912 Old Northern ROAD	Service Station	Regulation under CLM Act not required	-33.60550946	151.0126731
GLENTHORNE	Caltex Taree Service Station	Manning River DRIVE	Service Station	Regulation under CLM Act not required	-31.94415251	152.4703511
GLOUCESTER	Caltex Service Station	141 Church STREET	Service Station	Regulation under CLM Act not required	-32.01222514	151.9579521
GOOLMANGAR	Goolmangar General Store	851 Nimbin ROAD	Service Station	Regulation under CLM Act not required	-28.74694441	153.225401
GOONELLABAH	Former Invercauld Road Cattle Dip	161 Invercauld ROAD	Cattle Dip	Contamination formerly regulated under the CLM Act	-28.83098216	153.3097337
GOSFORD	United (former Mobil) Depot	Corner Merinee Road and Bowen CRESCENT	Other Petroleum	Regulation under CLM Act not required	-33.41523225	151.3257069
GOULBURN	Caltex Depot	13 Sloane STREET	Other Petroleum	Regulation under CLM Act not required	-34.77423152	149.7088626
GOULBURN	Caltex Service Station	72-74 Clinton STREET	Service Station	Regulation under CLM Act not required	-34.75728157	149.7135824
GOULBURN	Caltex Service Station	68 Goldsmith STREET	Service Station	Regulation under CLM Act not required	-34.75054432	149.7192098
GOULBURN	Caltex Service Station	315 Auburn, corner Bradley STREET	Service Station	Regulation under CLM Act not required	-34.74942293	149.7232692

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GOULBURN	Coles Express Service Station	90 Cowper (Corner Clinton Street) STREET	Service Station	Regulation under CLM Act not required	-34.75566648	149.7107831
GOULBURN	Former Goulburn Gasworks	1 Blackshaw ROAD	Gasworks	Ongoing maintenance required to manage residual contamination (CLM Act)	-34.75313166	149.725032
GOULBURN	Former Mobil Service Station Goulburn	422-426 Auburn STREET	Service Station	Regulation under CLM Act not required	-34.74869879	149.7229392
GOULBURN	Former Shell Autoport Service Station	Corner Bruce Street and Lagoon STREET	Service Station	Regulation under CLM Act not required	-34.74807885	149.7266246
GOULBURN	Goulburn JS Hollingworth & Wheat Siding Yards	Goulburn STREET	Other Industry	Under assessment	-34.7692435	149.7116195
GOULBURN	Goulburn Roundhouse	12 Braidwood ROAD	Other Industry	Contamination currently regulated under CLM Act	-34.77409903	149.7106462
GOULBURN	Goulburn Tannery	13 Gibson STREET	Other Industry	Regulation under CLM Act not required	-34.73756525	149.72059
GOULBURN	Metro Goulburn Depot	23 Braidwood ROAD	Other Petroleum	Regulation under CLM Act not required	-34.76217302	149.7170897
GOULBURN	Mobil Service Station	129 Lagoon STREET	Service Station	Contamination formerly regulated under the CLM Act	-34.74618793	149.7330484
GRAFTON	BP Service Station (Reliance Petroleum)	14 Villiers (Cnr Fitzroy) STREET	Service Station	Regulation under CLM Act not required	-29.69345456	152.9373123
GRAFTON	Caltex Service Station	Corner Villiers St and Fitzroy STREET	Service Station	Regulation under CLM Act not required	-29.69296308	152.9366431
GRAFTON	Caltex Service Station	179 Prince STREET	Service Station	Regulation under CLM Act not required	-29.68600117	152.9371093
GRAFTON	Former BP Service Station (Reliance Petroleum)	202 Queen STREET	Service Station	Regulation under CLM Act not required	-29.67645469	152.9423977
GRAFTON	Former General Store and Service Station Grafton	161 Turf STREET	Service Station	Regulation under CLM Act not required	-29.67412811	152.9336609
GRAFTON	Former Mobil Depot Grafton	2-16 Bruce STREET	Other Petroleum	Regulation under CLM Act not required	-29.68093591	152.9231289

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GRAFTON	Former Shell Depot	2 Milton STREET	Other Petroleum	Regulation under CLM Act not required	-29.67723019	152.9205374
GRAFTON	Grafton Works Depot	26-28 Bruce STREET	Other Petroleum	Regulation under CLM Act not required	-29.67975507	152.9249357
GRAFTON	Lowes Petroleum (BP-Branded) Depot, Grafton	13 Orara STREET	Other Petroleum	Regulation under CLM Act not required	-29.67016421	152.918161
GRAFTON	Woolworths Petrol	75 - 77 Fitzroy Street Cnr of Duke STREET	Service Station	Regulation under CLM Act not required	-29.69221713	152.9343562
GRANVILLE	7-Eleven Service Station	154-160 Parramatta ROAD	Service Station	Regulation under CLM Act not required	-33.83022685	151.0101322
GRANVILLE	A'Becketts Creek	Albert STREET	Unclassified	Contamination currently regulated under POEO Act	-33.82735776	151.0112255
GRANVILLE	Australand	15-17 Berry STREET	Other Industry	Regulation under CLM Act not required	-33.83600073	151.0211988
GRANVILLE	Caltex Service Station	144 Parramatta ROAD	Service Station	Regulation under CLM Act not required	-33.83039605	151.0109216
GRANVILLE	Commercial Property	28 Factory STREET	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.84173556	151.0165687
GRANVILLE	Old Granville Depot	23 Elizabeth STREET	Unclassified	Regulation under CLM Act not required	-33.83765925	151.008528
GRANVILLE	Woolworths Service Station Granville	158 Clyde STREET	Service Station	Regulation under CLM Act not required	-33.84623338	151.0124885
GREEN POINT	7-Eleven Green Point	388-390 Avoca DRIVE	Service Station	Regulation under CLM Act not required	-33.46259832	151.3639376
GREENACRE	7-Eleven (former Mobil) Service Station	301-305 Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-33.90524488	151.0419971
GREENACRE	Caltex Service Station	87 - 91 Roberts ROAD	Service Station	Regulation under CLM Act not required	-33.90461089	151.0648581
GREENACRE	Chullora Distribution Centre	41 Roberts Road, 2 Mayvic Street, and 27A & 27B Wentworth STREET	Other Industry	Regulation under CLM Act not required	-33.89911054	151.0673226

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GREENACRE	Coles Greenacre	13-19 Boronia ROAD	Other Industry	Regulation under CLM Act not required	-33.9061123	151.0561759
GREENACRE	Former Plating Works	12 Claremont STREET	Unclassified	Regulation under CLM Act not required	-33.89992254	151.0386128
GREENWICH	Gore Creek Reserve - Drainage Line	St Vincents ROAD	Other Industry	Regulation under CLM Act not required	-33.82888693	151.1819101
GRENFELL	Former SRA Fuel Depot	Grafton STREET	Other Petroleum	Regulation under CLM Act not required	-33.89351237	148.1560188
GRENFELL	Grenfell Gasworks	Corner Gooloogong Road & Bourke STREET	Gasworks	Regulation under CLM Act not required	-33.89006016	148.1615443
GRETA	Coles Express Greta	122 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-32.67656357	151.3872818
GRETA	Former landfill	Hollingshed ROAD	Landfill	Regulation under CLM Act not required	-32.66705287	151.3923474
GRETA	redevelopment site	112-114 High STREET	Other Industry	Regulation under CLM Act not required	-32.67706709	151.3876682
GREYSTANES	Metro Branded (former Mobil) Service Station	73 Ettalong ROAD	Service Station	Regulation under CLM Act not required	-33.81822648	150.9513946
GRIFFITH	Belford Petroleum (former Mobil) Depot	30 Banna AVENUE	Service Station	Regulation under CLM Act not required	-34.29042827	146.0595497
GRIFFITH	Caltex Service Station and Depot	2-4 Mackay AVENUE	Service Station	Regulation under CLM Act not required	-34.2908766	146.0630815
GRIFFITH	Former Ampol Depot	32-34 Mackay AVENUE	Other Petroleum	Regulation under CLM Act not required	-34.2933331	146.0679503
GRIFFITH	Former BP Service Station (Reliance Petroleum)	81 Banna AVENUE	Service Station	Regulation under CLM Act not required	-34.28851251	146.0540815
GRIFFITH	Former Landmark Fertiliser Storage Facility	2-8 Jensen ROAD	Chemical Industry	Regulation under CLM Act not required	-34.29365599	146.0536413
GRIFFITH	Former Murrumbidgee Irrigation Depot	55-77 Banna AVENUE	Other Industry	Regulation under CLM Act not required	-34.28858242	146.0567509

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GRIFFITH	Liberty Depot (former Shell CVRO) Griffith	6-10 Mackay AVENUE	Other Petroleum	Regulation under CLM Act not required	-34.2910045	146.063824
GRIFFITH	Mobil Depot - Griffith Airport	Off Remembrance DRIVE	Other Petroleum	Regulation under CLM Act not required	-34.25618872	146.0620449
GUILDFORD	7-Eleven Guildford West	176 FOWLER STREET STREET	Service Station	Regulation under CLM Act not required	-33.85149493	150.9722491
GUILDFORD	7-Eleven Service Station Guildford West	176 Fowler ROAD	Service Station	Regulation under CLM Act not required	-33.85149493	150.9722491
GULGONG	Lowes Petroleum (former BP) Depot Gulgong	6 Railway STREET	Other Petroleum	Regulation under CLM Act not required	-32.35950625	149.5461499
GULGONG	The Oval Site	Queen STREET	Unclassified	Regulation under CLM Act not required	-32.36169815	149.531075
GULMARRAD	BP Service Station Maclean	3976 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-29.48537407	153.2004311
GUMLY GUMLY	Brick Kiln Reserve	Eunony Bridge ROAD	Landfill	Regulation under CLM Act not required	-35.12098411	147.4196309
GUMLY GUMLY	Caltex Service Station	3723 Sturt HIGHWAY	Service Station	Regulation under CLM Act not required	-35.13590309	147.4424551
GUNDAGAI	Former Mobil Depot	98 Mount STREET	Other Petroleum	Regulation under CLM Act not required	-35.08206783	148.096221
GUNNEDAH	Adjacent to Service Station	Intersection of Henry Street and Conadilly STREET	Service Station	Contamination formerly regulated under the CLM Act	-30.98072588	150.2582802
GUNNEDAH	Ampol Australia Petroleum Pty Ltd (previously Caltex Australia)	21 Abbott STREET	Service Station	Regulation under CLM Act not required	-30.98021001	150.2561856
GUNNEDAH	BP Depot Gunnedah	103 Mathias ROAD	Other Petroleum	Contamination currently regulated under CLM Act	-30.96665001	150.2326526
GUNNEDAH	BP Service Station	Corner Conadilly Street & Henry STREET	Service Station	Contamination formerly regulated under the CLM Act	-30.98116266	150.2583066
GUNNEDAH	Former Caltex Depot	61 Railway AVENUE	Other Petroleum	Contamination formerly regulated under the CLM Act	-30.97953242	150.2494457

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GUNNEDAH	Former Shell Depot Gunnedah	85-89 Barber STREET	Other Petroleum	Regulation under CLM Act not required	-30.97949284	150.2507401
GUNNEDAH	Former Telstra Line Depot	81 Barber STREET	Other Petroleum	Regulation under CLM Act not required	-30.97933809	150.2503121
GUNNEDAH	Mobil Gunnedah Depot	16-24 Wentworth STREET	Other Petroleum	Regulation under CLM Act not required	-30.98428725	150.260609
GUNNEDAH	Mobil Service Station	341 Conadilly STREET	Service Station	Contamination formerly regulated under the CLM Act	-30.9807394	150.2578428
GUNNEDAH	Property NSW Site	35-37 Abbott STREET	Other Petroleum	Regulation under CLM Act not required	-30.9789841	150.25737
GUNNING	Gunning Motors	56 Yass STREET	Service Station	Regulation under CLM Act not required	-34.78159326	149.2684791
GURNANG	Oberon Correctional Centre	110 Gurnang ROAD	Other Petroleum	Under assessment	-32.748217	151.580843
GUYRA	Black Mountain - Former Cartan Residence	off Black Mountain Road ROAD	Other Industry	Under assessment	-30.305208	151.655985
GUYRA	Caltex-branded Service Station	4352 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-30.20601937	151.6757291
GUYRA	Guyra Fourways Service Centre	87-89 Bradley STREET	Service Station	Regulation under CLM Act not required	-30.21728173	151.6722825
GUYRA	StateRail land leased to Incitec	Starr ROAD	Other Industry	Regulation under CLM Act not required	-30.23157011	151.6707135
GWANDALAN	Former Gwandalan Landfill	Kanangra DRIVE	Landfill	Regulation under CLM Act not required	-33.17497722	151.5917107
GWANDALAN	Metro Petroleum Gwandalan (Formerly Gwandalan Auto Care)	47 Orana ROAD	Service Station	Regulation under CLM Act not required	-33.13632941	151.5813396
GYMEA	7-Eleven (former Mobil) Gynea Service Station	110 Gynea Bay ROAD	Service Station	Regulation under CLM Act not required	-34.03745848	151.0848547
GYMEA	Coles Express Kirrawee	470 Princes (Cnr The Boulevard) HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-34.02735302	151.0845079

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
GYMEA	Former Shell Service Station GyMEA	GyMEA Bay ROAD	Service Station	Regulation under CLM Act not required	-34.04129676	151.0841328
HABERFIELD	7-Eleven Haberfield	25-35 Parramatta ROAD	Service Station	Contamination currently regulated under CLM Act	-33.88794591	151.14287
HALEKULANI	Former Halekulani Landfill	Macleay DRIVE	Landfill	Regulation under CLM Act not required	-33.21446301	151.5527625
HAMILTON	Caltex Hamilton	59-63 Tudor STREET	Service Station	Regulation under CLM Act not required	-32.92498593	151.7509313
HAMILTON	Hamilton Bus Depot	Cnr Denison Street and Gordon AVENUE	Other Petroleum	Regulation under CLM Act not required	-32.92687413	151.7501743
HAMILTON	Newcastle Toyota	65 Tudor STREET	Other Petroleum	Regulation under CLM Act not required	-32.925171	151.7504048
HAMILTON	SRA Land	10 Maitland ROAD	Unclassified	Regulation under CLM Act not required	-32.91994358	151.7512417
HAMILTON	Taxi Services	116 Tudor STREET	Service Station	Contamination formerly regulated under the CLM Act	-32.92351606	151.7454742
HAMILTON NORTH	Former Black and Decker Site	56 Clyde STREET	Metal Industry	Contamination currently regulated under CLM Act	-32.91080413	151.7358236
HAMILTON NORTH	Former ELMA Site	54 Clyde STREET	Other Industry	Contamination currently regulated under CLM Act	-32.91145768	151.7367691
HAMILTON NORTH	Hamilton Gasworks	1 Chatham ROAD	Gasworks	Contamination currently regulated under CLM Act	-32.91362741	151.7406241
HAMILTON NORTH	Shell Newcastle Terminal	5 Chatham ROAD	Other Petroleum	Contamination formerly regulated under the CLM Act	-32.91630469	151.7408712
HARDEN	South West Fuel Harden	294 Albury STREET	Service Station	Regulation under CLM Act not required	-34.55007021	148.3513821
HARDEN	SRA Site	31 Aurvill ROAD	Unclassified	Regulation under CLM Act not required	-34.54998656	148.3689577
HARDEN	SRA Site	51 Whitton LANE	Unclassified	Contamination formerly regulated under the CLM Act	-34.55396035	148.3713349

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
HAROLDS CROSS	Lot 59, Vernelly Road, Harolds Cross NSW 2622	Lot 59, Vernelly ROAD	Other Industry	Regulation under CLM Act not required	-35.55528436	149.5560649
HARRIS PARK	Dalley Street Reserve	2A Dalley STREET	Other Industry	Regulation under CLM Act not required	-33.82749123	151.0097539
HARTLEY VALE	Former Shale Oil Refinery	Lot 52 Hartley Vale ROAD	Unclassified	Contamination currently regulated under CLM Act	-33.52766912	150.2417878
HASTINGS POINT	Coles Express Hastings Point	99 Tweed Coast ROAD	Service Station	Regulation under CLM Act not required	-28.36914103	153.5725676
HAY	Former Mobil Depot Hay	397-399 Murray STREET	Other Petroleum	Regulation under CLM Act not required	-34.50019184	144.8456578
HAY	Former Shell Hay Depot	391 Murray STREET	Other Petroleum	Regulation under CLM Act not required	-34.50028195	144.8463999
HAY	SRA Land	429, 431, 435, 437 & 439 Murray STREET	Other Industry	Regulation under CLM Act not required	-34.49965611	144.840976
HAY	SRA Land	443 Murray STREET	Other Industry	Contamination formerly regulated under the CLM Act	-34.49966753	144.8410778
HAY SOUTH	Caltex Service Station	429-431 Moama STREET	Service Station	Regulation under CLM Act not required	-34.52001427	144.8380121
HAZELBROOK	Caltex Service Station Hazelbrook	198 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.72106175	150.4520976
HEATHCOTE	Caltex Service Station	1344 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.08841066	151.0072048
HEATHCOTE	Caltex Service Station	1403 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.09059834	151.003752
HEATHCOTE	Shell Coles Express Service Station	1355 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.08780042	151.0069741
HEATHERBRAE	Bogas (Former Caltex) Service Station	3 Speedy Lock LANE	Service Station	Regulation under CLM Act not required	-32.78057822	151.7372135
HEATHERBRAE	Shell Coles Express Motto Farm Service Station	2137 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-32.79835449	151.7176284

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
HEXHAM	14 Sparke St Hexham	14 Sparke STREET	Metal Industry	Under assessment	-32.85394328	151.6960863
HEXHAM	BP Service Station (Reliance Petroleum)	Corner Pacific Highway and Old Maitland ROAD	Service Station	Regulation under CLM Act not required	-32.82756403	151.6846929
HEXHAM	Caltex Diesel Stop	360 Maitland ROAD	Service Station	Regulation under CLM Act not required	-32.82844873	151.6851063
HEXHAM	Caltex-Bogas Warehouse	239 Old Maitland ROAD	Service Station	Regulation under CLM Act not required	-32.82899942	151.6861849
HEXHAM	Cummins Newcastle Facility Hexham	21 Gallegan STREET	Other Industry	Regulation under CLM Act not required	-32.83186739	151.686709
HEXHAM	Former Forgacs Site	21 Sparke STREET	Chemical Industry	Under assessment	-32.85464558	151.6988053
HEXHAM	Industrial Galvanizers	312 Pacific HIGHWAY	Metal Industry	Contamination currently regulated under POEO Act	-32.83457186	151.6884941
HEXHAM	QR National - Hexham Precinct	179 & 3/67 Maitland ROAD	Other Industry	Regulation under CLM Act not required	-32.83474038	151.6821895
HILLSTON	Former BP Depot Hillston	141-143 Cowper STREET	Other Petroleum	Regulation under CLM Act not required	-33.48823546	145.5381623
HOLBROOK	Caltex Truckstop	Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-35.71332625	147.3207237
HOMEBUSH	Ausgrid Mason Park Substation	1 Underwood ROAD	Other Industry	Regulation under CLM Act not required	-33.85674677	151.0747044
HOMEBUSH BAY	SUEZ Waste Recycling Centre (WRC) and Cleanaway Liquid Waste Treatment Plant (LWTP)	Corner Pondage Link and Hill ROAD	Landfill	Regulation under CLM Act not required	-33.84359299	151.0593656
HOMEBUSH WEST	Caltex Service Station Homebush West	334-336 Parramatta ROAD	Service Station	Regulation under CLM Act not required	-33.8581543	151.0681261
HOMEBUSH WEST	Former Ford Landfill and Adjacent Land	22 Mandemar AVENUE	Landfill	Regulation under CLM Act not required	-33.86142424	151.0625556
HORNSBY	Coles Express Hornsby	194- 206 Pacific HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-33.7071993	151.0991452

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
HORNSBY	Hornsby Train Maintenance Centre	1B Stephen STREET	Other Industry	Regulation under CLM Act not required	-33.69370022	151.1035939
HORNSBY	Midas Car Care Centre Hornsby	2A Linda STREET	Other Industry	Regulation under CLM Act not required	-33.70052215	151.1004786
HOXTON PARK	Endeavour Energy Hoxton Park	490 Hoxton Park ROAD	Other Industry	Regulation under CLM Act not required	-33.92766437	150.8689069
HUNTERS HILL	7, 9 and 11 Nelson Parade Hunters Hill	7, 9 and 11 Nelson PARADE	Other Industry	Regulation under CLM Act not required	-33.84220148	151.1649724
HUNTERS HILL	Coles Express Hunters Hill	4 Ryde ROAD	Service Station	Regulation under CLM Act not required	-33.8317985	151.141655
HUNTERS HILL	Foreshore Land	Rear of 7, 9 & 11 Nelson PARADE	Other Industry	Contamination currently regulated under CLM Act	-33.84248362	151.1649249
HURLSTONE PARK	7-Eleven Hurlstone Park	670 New Canterbury ROAD	Service Station	Regulation under CLM Act not required	-33.90510388	151.1299825
HURLSTONE PARK	Former Speedway Petroleum Service Station	610 - 618 New Canterbury ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.90541228	151.1322009
HURLSTONE PARK	Former Telstra Depot	82 Canterbury ROAD	Service Station	Regulation under CLM Act not required	-33.90803171	151.1258121
HURSTVILLE GROVE	Moore Reserve	Morshead DRIVE	Landfill	Contamination currently regulated under CLM Act	-33.97920603	151.0873578
INGLEBURN	7-Eleven Ingleburn	72 Cumberland Road, corner Oxford ROAD	Service Station	Regulation under CLM Act not required	-34.00041505	150.8679742
INGLEBURN	85 Williamson Road, Ingleburn NSW 2565	85 Williamson ROAD	Landfill	Under assessment	-33.98926	150.858644
INVERELL	Caltex Service Station	55-59 Ring STREET	Service Station	Regulation under CLM Act not required	-29.76204512	151.1141737
INVERELL	Former Caltex Depot Inverell	4 Edward STREET	Service Station	Regulation under CLM Act not required	-29.76123104	151.1147983
INVERELL	Former Caltex Service Station	141 Otho STREET	Service Station	Regulation under CLM Act not required	-29.77819403	151.1145699

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
INVERELL	Former Mobil Inverell Depot	29-33 Edward STREET	Other Petroleum	Regulation under CLM Act not required	-29.76135322	151.1171412
INVERELL	Former Mobil Service Station	Corner Otho Street and Henderson STREET	Service Station	Regulation under CLM Act not required	-29.7786926	151.1149921
INVERELL	Former Service Station	20 Oliver STREET	Service Station	Regulation under CLM Act not required	-29.77229743	151.1152692
INVERELL	Former Shell Depot	25 Edward STREET	Other Petroleum	Regulation under CLM Act not required	-29.76151684	151.1182033
ISLINGTON	Caltex Service Station	240 Maitland ROAD	Service Station	Regulation under CLM Act not required	-32.91138644	151.7457701
ISLINGTON	Shell Pipeline Easement (vacant land)	24 Fern STREET	Other Petroleum	Regulation under CLM Act not required	-32.91706254	151.7473809
JAMISONTOWN	7-Eleven Service Station	92 Mulgoa ROAD	Service Station	Contamination currently regulated under CLM Act	-33.7667231	150.6796488
JAMISONTOWN	BP Service Station Jamisontown	124 - 128 Mulgoa ROAD	Service Station	Regulation under CLM Act not required	-33.76978323	150.6764977
JAMISONTOWN	Former Caltex Jamisontown	229-231 Mulgoa ROAD	Service Station	Regulation under CLM Act not required	-33.76661447	150.6784735
JANNALI	Former IGA	541 Box ROAD	Other Industry	Regulation under CLM Act not required	-34.01602134	151.0660384
JANNALI	Former Mobil Service Station	121 Georges River ROAD	Service Station	Regulation under CLM Act not required	-34.01614613	151.0681921
JENNINGS	Jennings Former Arsenic Poison Factory	Duke Street, Manor Street, and Ballandean STREET	Chemical Industry	Contamination currently regulated under CLM Act	-28.929342	151.9298622
JENNINGS	United Jennings Service Station	1823 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-28.9323235	151.9260334
JESMOND	Caltex Service Station	27 Bluegum ROAD	Service Station	Regulation under CLM Act not required	-32.9029287	151.691164
JINDABYNE	BP Service Station (Reliance Petroleum)	8 Kosciuszko ROAD	Service Station	Regulation under CLM Act not required	-36.41478692	148.6178882

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
JINDABYNE	Caltex Service Station	50 Kosciuszko ROAD	Service Station	Regulation under CLM Act not required	-36.41395847	148.6225113
JINGELLIC	Former Jingellic School	3179 River ROAD	Other Industry	Regulation under CLM Act not required	-35.92649487	147.7010655
JUNEE	Junee Railway Workshops	92 Harold STREET	Other Industry	Regulation under CLM Act not required	-34.88398375	147.5795301
JUNEE	Subdivision Proposal	5858 Gundagai ROAD	Unclassified	Regulation under CLM Act not required	-34.87783587	147.6067578
JUNEE	United Junee Service Station	No. 118-134 BROADWAY	Service Station	Regulation under CLM Act not required	-34.86808328	147.5834883
KANAHOOKA	Former Dapto Smelter Site, Kanahooka (redeveloped)	Off Kanahooka ROAD	Metal Industry	Regulation under CLM Act not required	-34.4941348	150.8224482
KANDOS	Cement Australia Kandos Cement Works	1 Jamison STREET	Other Industry	Regulation under CLM Act not required	-32.86399912	149.9779259
KANWAL	Former Bus and Truck Rental Yard	645-647 Pacific Highway HIGHWAY	Other Petroleum	Regulation under CLM Act not required	-33.26233802	151.4825469
KANWAL	Kanwal General Store and Fuel Supplies and Adjacent Land	68 and part of 70 Craigie AVENUE	Service Station	Contamination currently regulated under CLM Act	-33.26310031	151.4817395
KARIONG	Caltex Service Station	Lot 2 Langford DRIVE	Service Station	Regulation under CLM Act not required	-33.43934827	151.2935447
KARIONG	Coles Express Kariong	6 Central Coast HIGHWAY	Service Station	Regulation under CLM Act not required	-33.43443192	151.2963401
KARUAH	BP Roadhouse Karuah	403 Tarean ROAD	Service Station	Regulation under CLM Act not required	-32.65371781	151.9629963
KATOOMBA	Aldi Stores	201 Katoomba STREET	Service Station	Regulation under CLM Act not required	-33.71756625	150.3101649
KATOOMBA	Former Katoomba/Leura Gasworks	Megalong STREET	Gasworks	Contamination currently regulated under CLM Act	-33.71304308	150.3194624
KELLYVILLE	BP Service Station Kellyville	19-23 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.71280997	150.9590756

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
KELLYVILLE	Caltex Service Station	3-5 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.71436125	150.9602175
KELSO	23 Zagreb Street, Kelso NSW	23 Zagreb STREET	Other Industry	Regulation under CLM Act not required	-33.42724599	149.609825
KELSO	BP Service Station (Reliance Petroleum)	63 Sydney ROAD	Service Station	Regulation under CLM Act not required	-33.41925328	149.6076677
KELSO	Caltex Service Station Kelso	19 Sydney ROAD	Service Station	Regulation under CLM Act not required	-33.41904247	149.6023985
KEMBLA GRANGE	ShawCor Australia	66 West Dapto ROAD	Other Petroleum	Regulation under CLM Act not required	-34.46875328	150.8106326
KEMBLAWARRA	Griffins Bay, Lake Illawarra	Shellharbour ROAD	Landfill	Regulation under CLM Act not required	-34.49653984	150.8943776
KEMPS CREEK	Caltex-branded Service Station	1163 Mamre ROAD	Service Station	Regulation under CLM Act not required	-33.86972102	150.7966074
KEMPSEY	Former Mobil Depot	14 Hopetoun STREET	Other Petroleum	Regulation under CLM Act not required	-31.07603107	152.8350132
KEMPSEY	Former Shell Depot	43-51 Gladstone STREET	Other Petroleum	Regulation under CLM Act not required	-31.07500944	152.8346699
KEMPSEY	Kempsey Showground	19 Sea STREET	Unclassified	Contamination being managed via the planning process (EP&A Act)	-31.07334836	152.8308795
KEMPSEY	Liberty (Former Mobil) Service Station	108-112 Smith STREET	Service Station	Regulation under CLM Act not required	-31.07492508	152.8431945
KEMPSEY	Mobil Depot	154 Belgrave STREET	Service Station	Regulation under CLM Act not required	-31.07965043	152.8326303
KEMPSEY	Shell Coles Express Service Station Kempsey	165 Smith STREET	Service Station	Regulation under CLM Act not required	-31.07036743	152.8461571
KENSINGTON	7-Eleven Kensington	135 Anzac PARADE	Service Station	Regulation under CLM Act not required	-33.91035885	151.2228537
KENSINGTON	Caltex Service Station	211-213 Anzac PARADE	Service Station	Regulation under CLM Act not required	-33.91460752	151.2251266

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
KENSINGTON	Footpath adjacent to 10-20 Anzac Parade	10-20 Anzac PARADE	Service Station	Regulation under CLM Act not required	-33.9032124	151.2237836
KENSINGTON	Former Ampol Service Station	76-82 Anzac PARADE	Service Station	Regulation under CLM Act not required	-33.9059246	151.2242891
KENTHURST	Vacant Land	259 McCylmonts ROAD	Unclassified	Regulation under CLM Act not required	-33.61283529	150.9425303
KHANCOBAN	Khancoban Tip	Alpine WAY	Landfill	Regulation under CLM Act not required	-36.21994191	148.1542718
KIAMA	Former Gasworks	105 to 109 and 113 Shoalhaven STREET	Gasworks	Regulation under CLM Act not required	-34.67416881	150.8504143
KIAMA HEIGHTS	Former Mobil Service Station Kiama	7-9 South Kiama DRIVE	Service Station	Regulation under CLM Act not required	-34.69553931	150.8437977
KILLARA	7-Eleven Service Station (Former Mobil)	496 Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-33.77146554	151.1606903
KILLARA	Former Caltex Service Station	692B-694 Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-33.76306802	151.1550109
KILLARA	Killara Garage	544 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.76974164	151.1599696
KILLARA	Land Adjacent to Former Service Station Site	684-684a, 690, 692 and 696 Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-33.7631019	151.1548963
KINCUMBER	Frost Reserve	Avoca DRIVE	Landfill	Contamination currently regulated under CLM Act	-33.47065695	151.3909044
KINGS PARK	Former Dow Corning Factory	21 Tattersall ROAD	Chemical Industry	Contamination formerly regulated under the CLM Act	-33.75012653	150.9138477
KINGS PARK	Multi-Fill	14 Garling ROAD	Chemical Industry	Under assessment	-33.74478046	150.9111964
KINGSFORD	Caltex Service Station	603-611 Anzac PARADE	Service Station	Regulation under CLM Act not required	-33.93435787	151.2371198
KINGSFORD	Coles Express Service Station Kingsford	58 Gardeners ROAD	Service Station	Regulation under CLM Act not required	-33.9250054	151.2257601

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
KINGSGROVE	30A and 32 Commercial Road Kingsgrove	30A and 32 Commercial ROAD	Service Station	Regulation under CLM Act not required	-33.94022425	151.0974202
KINGSGROVE	Caltex Kingsgrove	351-357 Stoney Creek ROAD	Service Station	Regulation under CLM Act not required	-33.95132175	151.0926872
KINGSGROVE	Shell Coles Express Service Station	137 Kingsgrove ROAD	Service Station	Regulation under CLM Act not required	-33.93276948	151.099026
KINGSGROVE	State Transit Authority Depot	17-23 Richland STREET	Other Petroleum	Regulation under CLM Act not required	-33.93646086	151.0973617
KIRRAWEE	7-Eleven (former Mobil) Service Station	542-546 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.03238179	151.0758071
KIRRAWEE	Caltex-branded Kirrawee Service Station	(1-3 Waratah Street) 487 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.02915971	151.0808279
KIRRAWEE	Ingal Civil Products	127-141 Bath ROAD	Metal Industry	Regulation under CLM Act not required	-34.03029516	151.0754469
KOGARAH	Caltex Service Station	29 President AVENUE	Service Station	Regulation under CLM Act not required	-33.96516866	151.141145
KOGARAH	Former 7-Eleven Kogarah	734 Princes HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-33.96406472	151.1376011
KOGARAH	Scarborough Park South	184R Production AVENUE	Landfill	Regulation being finalised	-33.97922253	151.140276
KOGARAH	Woolworths Petrol Service Station	69 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-33.96330397	151.1371182
KOOLKHAN	Former Koolkhan Power Station	Summerland WAY	Other Industry	Regulation under CLM Act not required	-29.61688704	152.9300645
KOORAGANG	544 Cormorant Road, Kooragang	544 Cormorant Road, Kooragang ROAD	Other Industry	Contamination currently regulated under CLM Act	-32.87480951	151.7757352
KOORAGANG	Cleanaway Technical Services	19 Egret STREET	Other Industry	Regulation under CLM Act not required	-32.8812145	151.766282
KOORAGANG	Former Boral Timber Export Facility	16 Heron ROAD	Other Industry	Regulation under CLM Act not required	-32.89710295	151.7739966

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
KOORAGANG	Industrial Facility	39 Heron ROAD	Chemical Industry	Under assessment	-32.89106439	151.7784064
KOORAGANG	Kooragang Island Waste Facility	Off Cormorant ROAD	Metal Industry	Contamination currently regulated under POEO Act	-32.86901125	151.7377773
KOORAGANG	NPC, berths 2 and 3	Heron ROAD	Metal Industry	Regulation under CLM Act not required	-32.89260063	151.7742527
KOORAGANG	Orica Kooragang Island	15 Greenleaf ROAD	Chemical Industry	Contamination currently regulated under CLM Act	-32.89654619	151.7771372
KOORAGANG	Vacant Land	Raven Street and Cormorant ROAD	Unclassified	Regulation under CLM Act not required	-32.88410199	151.7701334
KOORINGAL	Caltex Service Station	265-267 Lake Albert ROAD	Service Station	Regulation under CLM Act not required	-35.14078443	147.3755442
KOORINGAL	Caltex-branded (former Mobil) Service Station	24 Lake Albert ROAD	Service Station	Regulation under CLM Act not required	-35.12239591	147.3769936
KOORINGAL	Former Shell Wagga Depot	11-15 Lake Albert ROAD	Other Petroleum	Regulation under CLM Act not required	-35.12273113	147.3786005
KOSCIUSZKO	Khancoban Spoil Dump	Alpine WAY	Landfill	Regulation under CLM Act not required	-36.21982803	148.1527401
KOSCIUSZKO	Sawpit Creek landfill	13km from Jindabyne, off Kosciuszko ROAD	Landfill	Regulation under CLM Act not required	-36.34858097	148.5673374
KOSCIUSZKO	Smiggin Holes Snow Clearing Shed	Link ROAD	Landfill	Regulation under CLM Act not required	-36.39098211	148.4304981
KURMOND	BP Service Station	501 Bells Line of road ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.55099195	150.6912536
KURNELL	Abbott Australasia	Captain Cook DRIVE	Chemical Industry	Contamination formerly regulated under the CLM Act	-34.02339937	151.19921
KURNELL	Caltex Kurnell Terminal (refer also to ID23868)	2 Solander STREET	Other Petroleum	Contamination currently regulated under POEO Act	-34.0175214	151.2159572
KURNELL	Former Caltex Kurnell Service Station	Corner Captain Cook Drive and Solander STREET	Service Station	Regulation under CLM Act not required	-34.01269846	151.2094347

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
KURNELL	Former Phillips Imperial Chemicals site	260 Captain Cook DRIVE	Chemical Industry	Regulation under CLM Act not required	-34.02493837	151.1952149
KURRI KURRI	Kurri Kurri Smelter	Hart ROAD	Metal Industry	Regulation under CLM Act not required	-32.7873063	151.4828827
KURRI KURRI	United Petroleum Service Station Kurri Kurri	279-281 Lang STREET	Service Station	Contamination formerly regulated under the CLM Act	-32.82047175	151.477646
KYOGLE	Caltex Service Station	22-24 Summerland WAY	Service Station	Regulation under CLM Act not required	-28.61806766	153.003862
LAKE HAVEN	Caltex Service Station	Goobarabah Ave Cnr Gorokan DRIVE	Service Station	Regulation under CLM Act not required	-33.24337276	151.5065335
LAKE ILLAWARRA	22 Queen Street, Lake Illawarra NSW 2528	22 Queen STREET	Other Petroleum	Under assessment	-34.547113	150.855097
LAKEMBA	Caltex Service Station	961-967 Canterbury ROAD	Service Station	Regulation under CLM Act not required	-33.92671102	151.0814905
LAKEMBA	Caltex Service Station - Corner Punchbowl Rd and Wangee Rd	81 Wangee ROAD	Service Station	Regulation under CLM Act not required	-33.91153044	151.073306
LAKEMBA	Former Lakemba Police Station	59 Quigg STREET	Unclassified	Regulation under CLM Act not required	-33.92199239	151.079412
LAMBTON	4-26 Verulam Road, Lambton NSW 2299	4-26 Verulam ROAD	Metal Industry	Under assessment	-32.91130954	151.7170534
LAMBTON	Caltex Service Station	422 Newcastle ROAD	Service Station	Regulation under CLM Act not required	-32.9095592	151.7109684
LANE COVE	331-335 Burns Bay Road, Lane Cove NSW 2066	331 and 333 - 335 Burns Bay ROAD	Other Industry	Contamination currently regulated under CLM Act	-33.8211575	151.1493074
LANE COVE	7-Eleven Service Station	203 Burns Bay ROAD	Service Station	Regulation under CLM Act not required	-33.81458334	151.1543844
LANE COVE	BP-branded Jasbe Service Station	62-70 Epping ROAD	Service Station	Regulation under CLM Act not required	-33.81108427	151.1641531
LANE COVE	Coles Express Service Station Burns Bay	254 Burns Bay ROAD	Service Station	Regulation under CLM Act not required	-33.81719214	151.1518774

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
LANE COVE	Pacific Power	Sirius ROAD	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.80701776	151.1449658
LANE COVE NORTH	BP Artarmon Service Station, Lane Cove North	432 Pacific HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-33.8112038	151.175547
LANE COVE NORTH	Former Caltex Service Station	428-432 Mowbray ROAD	Service Station	Regulation under CLM Act not required	-33.80804563	151.1721538
LANE COVE WEST	315-317 Burns Bay Road, Lane Cove West	315-317 Burns Bay ROAD	Unclassified	Regulation under CLM Act not required	-33.82065224	151.1496027
LANE COVE WEST	Caltex Lane Cove West	235-245 Burns Bay ROAD	Service Station	Regulation under CLM Act not required	-33.81719214	151.1518774
LANE COVE WEST	Lovetts Reserve Walking Track	301B Burns Bay ROAD	Unclassified	Contamination currently regulated under CLM Act	-33.82044223	151.1492125
LANE COVE WEST	Ventemans Reach Bushland	Off Mars ROAD	Unclassified	Regulation under CLM Act not required	-33.80499552	151.1450719
LANSVALE	Mobil Service Station	44 Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-33.89172416	150.9656537
LAURIETON	Camden Haven Tyre and Brake Centre (Former Caltex Service Station)	461 Ocean DRIVE	Service Station	Regulation under CLM Act not required	-31.64367775	152.7977735
LAVENDER BAY	SRA Land	French STREET	Unclassified	Regulation under CLM Act not required	-33.84560621	151.2030148
LAVINGTON	Caltex Service Station	436 Wagga (corner Dick Road) ROAD	Service Station	Regulation under CLM Act not required	-36.04500034	146.9444932
LAVINGTON	Former Caltex Service Station	373-375 Wagga ROAD	Service Station	Regulation under CLM Act not required	-36.04797551	146.9385325
LAVINGTON	Former ERS liquid waste treatment and storage facility	819 Knights ROAD	Other Industry	Regulation under CLM Act not required	-36.06763885	146.942143
LEETON	Caltex Service Station	1 Belah STREET	Service Station	Regulation under CLM Act not required	-34.55421752	146.3998431
LEETON	Former Fuel Depot, Leeton	1-3 Short STREET	Other Petroleum	Regulation under CLM Act not required	-34.55253237	146.3864507

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
LEETON	Former Mobil Depot	108 Calrose STREET	Other Petroleum	Regulation under CLM Act not required	-34.55813326	146.3921296
LEETON	United Leeton Service Station	110 Kurrajong AVENUE	Service Station	Regulation under CLM Act not required	-34.55573364	146.4099077
LEETON	Yenda Producers (formerly Incitec) Leeton	1 - 2 Canal STREET	Other Petroleum	Regulation under CLM Act not required	-34.55184684	146.3862573
LEICHHARDT	Former Kolotex site	22 George STREET	Other Industry	Contamination currently regulated under CLM Act	-33.88855307	151.1482106
LEICHHARDT	Former Labelcraft Site	30-40 George STREET	Chemical Industry	Contamination formerly regulated under the CLM Act	-33.88778798	151.1484773
LEICHHARDT	Leichhardt Bus Depot Area E	240 Balmain Road, corner City West LINK	Other Industry	Regulation under CLM Act not required	-33.87589727	151.1598073
LEICHHARDT	RailCorp Leichhardt	7 Darley ROAD	Other Industry	Regulation under CLM Act not required	-33.87520846	151.1539012
LEICHHARDT	SRA Land	10-11 Balmain ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-33.8776803	151.1591041
LENNOX HEAD	Former Caltex Lennox Head	Byron STREET	Service Station	Regulation under CLM Act not required	-28.79189328	153.5883225
LENNOX HEAD	Spoors Dip	13 Fig Tree Hill DRIVE	Cattle Dip	Contamination formerly regulated under the CLM Act	-28.78258175	153.5752527
LEPPINGTON	Coles Express Leppington	1443 Camden Valley WAY	Service Station	Regulation under CLM Act not required	-33.96631609	150.8154793
LEUMEAH	Caltex Service Station	6 Rudd ROAD	Service Station	Regulation under CLM Act not required	-34.05398325	150.8299209
LEURA	Former Leura Garage	126-128 Leura MALL	Service Station	Regulation under CLM Act not required	-33.7125311	150.3315386
LIDCOMBE	Metro Lidcombe (former Liberty)	134 John STREET	Service Station	Contamination currently regulated under POEO Act	-33.85456019	151.0468136
LIDDELL	Liddell Power Station	New England HIGHWAY	Other Industry	Regulation under CLM Act not required	-32.37393962	150.9756283

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
LIDSDALE	Angus Place Colliery	Wolgan ROAD	Other Industry	Regulation under CLM Act not required	-33.35274573	150.0996773
LIDSDALE	Kerosene Vale Ash Repository	110 Skelly ROAD	Other Industry	Contamination currently regulated under CLM Act	-33.39095144	150.1049798
LIDSDALE	Kerosene Vale Colliery	Wolgan ROAD	Other Industry	Regulation under CLM Act not required	-33.38232515	150.0943561
LIDSDALE	Lot 424 Walgan Road, Lidsdale	Lot 424 Walgan ROAD	Other Industry	Regulation under CLM Act not required	-33.382457	150.083557
LIGHTNING RIDGE	Caltex Service Station	Onyx Street, corner Morilla STREET	Service Station	Regulation under CLM Act not required	-29.42922885	147.9747954
LIGHTNING RIDGE	Former Ambulance Station	18 - 42 Pandora STREET	Other Industry	Regulation under CLM Act not required	-29.43133877	147.9812981
LILLIAN ROCK	Former 'Peters Dip' Cattle Tick Dip Site	427 Lillian Rock ROAD	Cattle Dip	Regulation under CLM Act not required	-28.5314327	153.1556392
LINDFIELD	1 Roxy Place, Lindfield	1 Roxy PLACE	Unclassified	Under assessment	-33.787503	151.16021
LINDFIELD	7-Eleven (former Mobil) Service Station	238 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.7788603	151.1689594
LINDFIELD	Former BP Service Station Lindfield	478 Pacific HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-33.7719298	151.1613874
LISAROW	OneSteel Recycling	902A Pacific HIGHWAY	Metal Industry	Regulation under CLM Act not required	-33.38420179	151.3655856
LISMORE	Caltex Lismore Service Station	136 Woodlark STREET	Service Station	Regulation under CLM Act not required	-28.80807597	153.2807591
LISMORE	Caltex Service Station	73-75 Dawson STREET	Service Station	Regulation under CLM Act not required	-28.80894415	153.2809619
LISMORE	Former Shell Depot	116 Wilson STREET	Other Petroleum	Regulation under CLM Act not required	-28.81070081	153.2621577
LISMORE	Lismore Gasworks	Cnr John Street & Keen STREET	Gasworks	Contamination formerly regulated under the CLM Act	-28.81764489	153.2710196

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
LISMORE	Shell Coles Express Service Station	100 Dawson STREET	Service Station	Regulation under CLM Act not required	-28.81140865	153.2800472
LISMORE	SRA Land	Norco LANE	Unclassified	Regulation under CLM Act not required	-28.810742	153.2702306
LISMORE HEIGHTS	Coles Express Lismore Heights	426 Ballina ROAD	Service Station	Contamination currently regulated under CLM Act	-28.81068067	153.3053065
LISMORE HEIGHTS	Impacted land, below Beardow Street landslide	22 New Ballina ROAD	Unclassified	Regulation under CLM Act not required	-28.80410458	153.2939349
LISMORE HEIGHTS	Roadside Embankment (Beardow Street)	Between Beardow and 22 New Ballina ROAD	Unclassified	Regulation under CLM Act not required	-28.80374297	153.2942495
LITHGOW	Caltex Lithgow (Quota Park)	Adjacent to 1131 Great Western HIGHWAY	Unclassified	Regulation under CLM Act not required	-33.47927554	150.1366238
LITHGOW	Former Gasworks	Mort STREET	Gasworks	Regulation under CLM Act not required	-33.47995167	150.1635401
LITHGOW	Former Mobil Depot	353 Main STREET	Other Petroleum	Regulation under CLM Act not required	-33.48235166	150.1383012
LITHGOW	Former Shell CVRO and Depot	77 Bridge Street and 6 Gas Works LANE	Other Petroleum	Regulation under CLM Act not required	-33.47995091	150.162216
LITHGOW	Jasbe BP-branded Service Station (Former Reliance Petroleum)	1106 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.48426647	150.134992
LITHGOW	Lithgow Thales	4 Martini PARADE	Metal Industry	Contamination formerly regulated under the CLM Act	-33.48988084	150.141366
LIVERPOOL	68 Speed Street (former gasworks)	2A Mill ROAD	Gasworks	Regulation under CLM Act not required	-33.92992649	150.9224472
LIVERPOOL	AC McGrath (Wholesale) Pty Ltd	20 Shepherd Street and 6A & 6B Atkinson STREET	Other Industry	Regulation under CLM Act not required	-33.9320192	150.9236862
LIVERPOOL	Former Car Park	4 - 6 Rose STREET	Unclassified	Regulation under CLM Act not required	-33.93258955	150.9157936
LIVERPOOL	Woodward Park	84 Memorial AVENUE	Other Industry	Regulation under CLM Act not required	-33.92477836	150.9169229

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
LIVERPOOL	Woolworths Service Station	59-67 Orange Grove ROAD	Service Station	Regulation under CLM Act not required	-33.90711248	150.9178855
LOFTUS	BP Freedom Fuel Service Station Loftus	127 Loftus AVENUE	Service Station	Regulation under CLM Act not required	-34.04570765	151.0508004
LONG JETTY	7-Eleven (former Mobil) Service Station	184-186 The Entrance ROAD	Service Station	Regulation under CLM Act not required	-33.35089363	151.4924904
LONG JETTY	Caltex Service Station	431 The Entrance ROAD	Service Station	Regulation under CLM Act not required	-33.36022468	151.4826553
LONG JETTY	Metro Petroleum Service Station Long Jetty	326 The Entrance ROAD	Service Station	Under assessment	-33.35897356	151.4847709
LONG JETTY	Westside Petroleum Service Station	290-294 The Entrance ROAD	Service Station	Contamination currently regulated under CLM Act	-33.35686757	151.4861479
LONGUEVILLE	Caltex Service Station	5 Northwood ROAD	Service Station	Regulation under CLM Act not required	-33.82427366	151.1724497
LOXFORD	Kurri Kurri Wastewater Treatment Plant	McLeod ROAD	Other Industry	Regulation under CLM Act not required	-32.80593657	151.4843665
LUCAS HEIGHTS	Harringtons Quarry	access from Little Forest ROAD	Landfill	Contamination currently regulated under CLM Act	-34.0355347	150.9751826
LUCAS HEIGHTS	IWC landfill	Little Forest ROAD	Landfill	Contamination formerly regulated under the CLM Act	-34.03214889	150.9753474
LUCAS HEIGHTS	Sydney Clay Target Club	Heathcote ROAD	Other Industry	Under assessment	-34.042114	150.959833
LUDDENHAM	Caltex Service Station	3019-3035 The Northern ROAD	Service Station	Regulation under CLM Act not required	-33.87536093	150.6888872
MACKSVILLE	Caltex Service Station	Pacific (22-24 Cooper Street) HIGHWAY	Service Station	Regulation under CLM Act not required	-30.70977455	152.9198448
MACLEAN	MacLean Outdoors	255 River STREET	Service Station	Regulation under CLM Act not required	-29.45782683	153.1970725
MACQUARIE FIELDS	Caltex Service Station	68 Harold STREET	Service Station	Regulation under CLM Act not required	-33.98557276	150.8933681

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MACQUARIE PARK	1-7 Waterloo Road, Macquarie Park	1-7 Waterloo ROAD	Other Petroleum	Regulation under CLM Act not required	-33.78806877	151.1332148
MACQUARIE PARK	Caltex North Ryde Service Station	41-43 Epping ROAD	Service Station	Regulation under CLM Act not required	-33.79138236	151.1312248
MACQUARIE PARK	De Burghs Cycleway - Lane Cove National Park	Riverside DRIVE	Other Petroleum	Regulation under CLM Act not required	-33.77668985	151.136542
MACQUARIE PARK	Porters Creek Depot - Proposed Operations Centre Site	160 Wicks ROAD	Landfill	Regulation under CLM Act not required	-33.78581579	151.1367075
MAITLAND	Coles Express Service Station	235 High STREET	Service Station	Regulation under CLM Act not required	-32.73923807	151.5620399
MAITLAND	Hannan and High Street	Hannan Street and High STREET	Service Station	Regulation under CLM Act not required	-32.72731682	151.5515673
MAITLAND	Maitland Gasworks	Charles STREET	Gasworks	Contamination currently regulated under CLM Act	-32.73603658	151.5578926
MALABAR	ANZAC Rifle Range former landfill	Franklin STREET	Landfill	Regulation being finalised	-33.95792671	151.2566373
MANDALONG	Mandalong Mine	Mandalong ROAD	Other Industry	Regulation under CLM Act not required	-33.11725583	151.4616452
MANGROVE MOUNTAIN	Poultry Litter Containment Pit site	258 Waratah ROAD	Unclassified	Regulation under CLM Act not required	-33.28917947	151.1672284
MANILLA	Tamworth Regional Council Works Depot - Manilla	73 River STREET	Other Petroleum	Regulation under CLM Act not required	-30.74879943	150.7181011
MANLY	Caltex Service Station	86 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.79306889	151.2858638
MANLY	Former Little Manly Point Gasworks	Stuart STREET	Gasworks	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.8081596	151.287697
MANLY	Open Space at end of Stuart Street (Lot 1 DP544297)	End of Stuart STREET	Gasworks	Regulation under CLM Act not required	-33.8078063	151.2898273
MANLY	St Patrick's Estate	151 Darley ROAD	Unclassified	Regulation under CLM Act not required	-33.8044568	151.2938595

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MANLY VALE	Caltex Service Station Manly Vale	236-238 Condamine STREET	Service Station	Regulation under CLM Act not required	-33.78508231	151.2674386
MANLY VALE	Former Landfill Addiscombe Road	Addiscombe ROAD	Landfill	Contamination currently regulated under CLM Act	-33.78307439	151.2747846
MANNERING PARK	Mannerling Park Mini Mart	70 Vales ROAD	Service Station	Regulation under CLM Act not required	-33.15236501	151.5371767
MANNERING PARK	Parkview General Store (a former service station)	2 Vales ROAD	Service Station	Regulation under CLM Act not required	-33.14753814	151.5387832
MARAYONG	7-Eleven (former Mobil Blacktown West) Service Station Marayong	173 Richmond ROAD	Service Station	Regulation under CLM Act not required	-33.75472796	150.8913605
MARAYONG	Woolworths Petrol Service Station Marayong	Corner Vardys Road and Turbo ROAD	Service Station	Regulation under CLM Act not required	-33.7452356	150.9041601
MARDI	Former Mardi Landfill	70-90 McPherson ROAD	Landfill	Regulation under CLM Act not required	-33.29273289	151.4100941
MARKS POINT	Former Mobil Aviation Depot Belmont Airport	864 Pacific HIGHWAY	Other Petroleum	Regulation under CLM Act not required	-33.06657244	151.6497674
MARKS POINT	Former Mobil Service Station (now 7-Eleven)	770-772 Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-33.05646268	151.6533795
MAROUBRA	Coles Express Pagewood Service Station, Maroubra	299 Bunnerong PARADE	Service Station	Regulation under CLM Act not required	-33.94071282	151.2285063
MARRANGAROO	United (Former Mobil) Service Station Marrangaroo	394-398 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.45253322	150.1181023
MARRICKVILLE	2 Carrington Road	2 Carrington ROAD	Unclassified	Regulation under CLM Act not required	-33.91567088	151.1589931
MARRICKVILLE	Cooks River Aqueduct	Thornley STREET	Unclassified	Contamination formerly regulated under the CLM Act	-33.92224311	151.1479744
MARRICKVILLE	Former Dry Cleaners and Loading Dock	Smidmore STREET	Other Industry	Contamination currently regulated under CLM Act	-33.90752498	151.1717761
MARRICKVILLE	Former Mobil Service Station	384 Illawarra ROAD	Service Station	Regulation under CLM Act not required	-33.91534969	151.1506717

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MARRICKVILLE	Mackey Park	Cnr Richardsons Crescent and Carrington ROAD	Landfill	Regulation under CLM Act not required	-33.9220263	151.1547903
MARRICKVILLE	RailCorp	361 Victoria ROAD	Other Industry	Regulation under CLM Act not required	-33.91404835	151.1557132
MARRICKVILLE	TRW Steering and Suspension	22-28 Carrington ROAD	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.92012667	151.1566181
MARRICKVILLE	Woolworths Petrol Service Station Marrickville	490 Illawarra ROAD	Service Station	Regulation under CLM Act not required	-33.91845177	151.1459951
MARSDEN PARK	226 Grange Avenue	226 Grange AVENUE	Unclassified	Regulation under CLM Act not required	-33.70259609	150.83825
MARSFIELD	Coles Express Service Station Marsfield	189 Epping ROAD	Service Station	Regulation under CLM Act not required	-33.77519246	151.1053691
MARULAN	BP Express Marulan (Northbound)	(Northbound) Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.7188332	149.9949547
MARULAN	BP Service Station	(Southbound) Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.71932066	150.0014827
MARYVILLE	7-Eleven Service Station	184-188 Hannell STREET	Service Station	Contamination formerly regulated under the CLM Act	-32.91336028	151.7579315
MASCOT	Aston, Gardeners Rd Mascot	551-559 Gardeners ROAD	Unclassified	Regulation under CLM Act not required	-33.921733	151.195359
MASCOT	BP Mascot	1077 Botany ROAD	Service Station	Under assessment	-33.92839	151.19501
MASCOT	Caltex Service Station	125 O'Riordan STREET	Service Station	Regulation under CLM Act not required	-33.92309169	151.1911539
MASCOT	Former Freight Distribution Facility (now High-Density Residential / Commercial)	19-33 Kent ROAD	Unclassified	Regulation under CLM Act not required	-33.9227711	151.1854202
MASCOT	Former Mascot Galvanising	336-348 King STREET	Metal Industry	Contamination currently regulated under CLM Act	-33.92902126	151.185874
MASCOT	Former Shell Service Station Mascot	746 Botany ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.92352295	151.1955852

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MASCOT	Former Zinc Smelter and Paint Manufacturing Facility	163 O'Riordan STREET	Metal Industry	Regulation under CLM Act not required	-33.92526513	151.1892582
MASCOT	Heritage Business Centre	5-9 Ricketty STREET	Unclassified	Regulation under CLM Act not required	-33.92029202	151.1816656
MASCOT	Linear Park	Off O'Riordan STREET	Landfill	Regulation under CLM Act not required	-33.92278693	151.1904751
MASCOT	Mascot Pioneer Plating	25-29 Ricketty STREET	Metal Industry	Contamination currently regulated under CLM Act	-33.92075288	151.1824801
MASCOT	Sokol Corporation	50-56 Robey STREET	Other Industry	Regulation under CLM Act not required	-33.93162265	151.1904955
MASCOT	Telstra Exchange	904-922 Botany ROAD	Other Industry	Regulation under CLM Act not required	-33.9293166	151.1942777
MATRAVILLE	42-52 Raymond Avenue, Matraville NSW	42-52 Raymond AVENUE	Other Industry	Regulation under CLM Act not required	-33.961817	151.222098
MATRAVILLE	7-Eleven Service Station Matraville	515 Bunnerong ROAD	Service Station	Contamination currently regulated under CLM Act	-33.95943536	151.2317598
MATRAVILLE	Eastern Suburbs Memorial Park	12 Military ROAD	Chemical Industry	Regulation under CLM Act not required	-33.9719906	151.2274386
MATRAVILLE	Former Golden Fleece Terminal No1	133 -149 Beauchamp ROAD	Other Petroleum	Contamination formerly regulated under the CLM Act	-33.95759006	151.2252023
MATRAVILLE	Former Golden Fleece Terminal No2	151 Beauchamp ROAD	Other Petroleum	Contamination formerly regulated under the CLM Act	-33.95719404	151.2259884
MATRAVILLE	Former Rioco Incinerator	Kain AVENUE	Other Industry	Contamination being managed via the planning process (EP&A Act)	-33.95980534	151.2423679
MATRAVILLE	Opal Packaging Botany Mill	1891 Botany ROAD	Other Industry	Under assessment	-33.964566	151.224921
MATRAVILLE	Port Botany Bus Depot	7 Bumborah Point ROAD	Other Petroleum	Regulation under CLM Act not required	-33.96880413	151.2255889
MATRAVILLE	Vacant Lot	3 Wilkes AVENUE	Other Industry	Regulation under CLM Act not required	-33.96006406	151.2431087

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MAYFIELD	7-Eleven (Former Mobil) Service Station	412-416 Maitland ROAD	Service Station	Regulation under CLM Act not required	-32.89292005	151.7300948
MAYFIELD	Australian Tube Mills Newcastle Site	Industrial DRIVE	Metal Industry	Under assessment	-32.88835767	151.7450751
MAYFIELD	BHP Steel River	The Buffer Zone' extending directly adjacent to the Hunter River; near the Tourle Street Bridge STREET	Metal Industry	Contamination currently regulated under CLM Act	-32.8773556	151.7252427
MAYFIELD	Hunter River Sediments	Bed Sediments of the Hunter adjacent to Lot 221 DP1013964 RIVER	Metal Industry	Contamination formerly regulated under the CLM Act	-32.89203741	151.7646702
MAYFIELD	OneSteel (BHP)	Industrial DRIVE	Metal Industry	Contamination currently regulated under CLM Act	-32.88365878	151.7448793
MAYFIELD	Shell Coles Express Service Station	63-69 Maud STREET	Service Station	Regulation under CLM Act not required	-32.89358962	151.7221298
MAYFIELD	Waratah Steel Mill	23 Frith STREET	Metal Industry	Regulation under CLM Act not required	-32.89426592	151.7257429
MAYFIELD NORTH	BHPB Closure site and bed sediments of the Hunter River	Bound by Hunter River, Selwyn Street & Industrial DRIVE	Metal Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-32.89436064	151.7590762
MAYFIELD NORTH	Former BHPB Supply site	Industrial DRIVE	Metal Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-32.88583061	151.7386157
MAYFIELD NORTH	OneSteel - Newcastle Wire, Rod and Bar Mills	141 & 151 Ingall STREET	Metal Industry	Under assessment	-32.89008485	151.752949
MAYFIELD NORTH	Swing Basin allotment on former Onesteel site - Lot 2 DP 1184252	151B Ingall STREET	Metal Industry	Under assessment	-32.89008485	151.752949
MAYFIELD WEST	Koppers Coal Tar	East of Woodstock Street and Tourle STREET	Other Industry	Contamination currently regulated under POEO Act	-32.88592437	151.7361839
MAYFIELD WEST	Stevenson Park landfill	2/559 Maitland ROAD	Landfill	Regulation under CLM Act not required	-32.88472556	151.7224791
MAYFIELD WEST	Tourle Street Bridge Project	Tourle STREET	Landfill	Regulation under CLM Act not required	-32.88075518	151.7330073
MCDUGALLS HILL	Caltex Service Station	4949 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-32.54484714	151.1490757

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MEADOWBANK	Former Council Works Depot	2 Parsonage STREET	Unclassified	Regulation under CLM Act not required	-33.82191421	151.0951974
MENAI	7-Eleven (Former Mobil) Service Station Menai	289 Menai ROAD	Service Station	Contamination currently regulated under CLM Act	-34.01579095	151.0131737
MENAI	Caltex Service Station Menai	1 Carter Road ROAD	Service Station	Regulation under CLM Act not required	-34.01654043	151.0124133
MENANGLE	285 Finns Road, Menangle NSW	285 Finns ROAD	Unclassified	Regulation under CLM Act not required	-34.1291386	150.7010393
MEREWETHER	Merewether Childcare Centre	2/23 Caldwell STREET	Unclassified	Regulation under CLM Act not required	-32.94249653	151.7504279
MEREWETHER HEIGHTS	Burwood Beach Wastewater Treatment Works	Lot 1, Scenic DRIVE	Other Industry	Regulation under CLM Act not required	-32.95401348	151.7412468
MERIMBULA	Caltex Service Station	19-25 Merimbula DRIVE	Service Station	Regulation under CLM Act not required	-36.88757881	149.9089159
MERIMBULA	Former Mobil Service Station	27 Market STREET	Service Station	Regulation under CLM Act not required	-36.88941693	149.9103485
MERRYLANDS	7-Eleven Merrylands Service Station	295-297 Merrylands Road, corner Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.83533205	150.9851801
MERRYLANDS	Caltex Service Station	229 Woodville ROAD	Service Station	Regulation under CLM Act not required	-33.84547463	150.9983413
MERRYLANDS	Caltex Service Station Merrylands	148 Woodville ROAD	Service Station	Regulation under CLM Act not required	-33.83818499	150.9997199
MERRYLANDS	Former Stockfeed Manufacturing Site	1-7 & 9-11 Neil STREET	Other Petroleum	Regulation under CLM Act not required	-33.83390257	150.9947449
MERRYLANDS	Former Timber Yard and Hardware	11-19 Centenary ROAD	Other Petroleum	Regulation under CLM Act not required	-33.83083025	150.9698915
MERRYLANDS	Stockland Merrylands Court	249-259 Merrylands ROAD	Service Station	Regulation under CLM Act not required	-33.83560037	150.9869735
MERRYLANDS WEST	Former Mobil Service Station	3 Centenary ROAD	Service Station	Regulation under CLM Act not required	-33.83214226	150.9698958

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MILLER	Caltex Service Station	86 Cartwright AVENUE	Service Station	Regulation under CLM Act not required	-33.91878146	150.8827514
MILLERS FOREST	Chichester Trunk Gravity Main	water pipeline ACCESS	Other Industry	Contamination currently regulated under POEO Act	-32.772877	151.6826841
MILLERS POINT	Former AGL Gasworks	30 - 34 Hickson ROAD	Gasworks	Regulation under CLM Act not required	-33.86179594	151.2031726
MILLERS POINT	Former AGL Gasworks	38 Hickson and road reserve ROAD	Gasworks	Contamination being managed via the planning process (EP&A Act)	-33.86280104	151.2032452
MILLERS POINT	Former AGL Gasworks	Berths 5, 6 and 7 (already demolished) and part Hickson ROAD	Gasworks	Contamination formerly regulated under the CLM Act	-33.86239771	151.2024819
MILLERS POINT	Former AGL Gasworks 36 Hickson Road	36 Hickson ROAD	Gasworks	Contamination formerly regulated under the CLM Act	-33.86243824	151.2032514
MILLERS POINT	Moores Wharf UPSS	4 Towns PLACE	Other Petroleum	Regulation under CLM Act not required	-33.85581123	151.2024759
MILPERRA	Caltex Service Station	264 Milperra ROAD	Service Station	Regulation under CLM Act not required	-33.93018101	150.9910964
MILPERRA	Former Landfill	479 Henry Lawson DRIVE	Landfill	Regulation under CLM Act not required	-33.93394617	150.9776715
MILPERRA	Heatcraft Australia Pty Ltd	286 Horsley ROAD	Other Industry	Regulation under CLM Act not required	-33.94031556	150.9958606
MILPERRA	Riverlands Milperra Property	54 Auld AVENUE	Landfill	Regulation under CLM Act not required	33.930897	150.971318
MILPERRA	United Group Rail Pty Limited	373 Horsley ROAD	Landfill	Regulation under CLM Act not required	-33.93286283	150.9934071
MILTON	Caltex Milton Service Station and Depot	331 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-35.33154474	150.4492852
MILTON	Former Sanitary Depot	Slaughterhouse ROAD	Other Industry	Regulation under CLM Act not required	-35.33819825	150.4471917
MINCHINBURY	7-Eleven (former Mobil) Service Station	815 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.78812909	150.8495992

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MINCHINBURY	BP Service Station	1055 Great Western Highway corner Archbold ROAD	Service Station	Regulation under CLM Act not required	-33.78211857	150.8244185
MINTO	Former Endeavour Energy Depot	Pembroke ROAD	Other Petroleum	Regulation under CLM Act not required	-34.0408973	150.8451837
MINTO	Land adjacent to Former Shell depot	Airds Road and Essex STREET	Other Petroleum	Regulation under CLM Act not required	-34.02140447	150.8415134
MINTO	Logistics Hub - Culverston Road, Minto	Culverston ROAD	Other Petroleum	Regulation under CLM Act not required	-34.0421711	150.833825
MINTO	Shell Coles Express Service Station	73 Pembroke STREET	Service Station	Regulation under CLM Act not required	-34.02316454	150.8503118
MIRANDA	Woolworths Service Station	455 Kingsway OTHER	Service Station	Contamination currently regulated under CLM Act	-34.03492814	151.1124681
MITTAGONG	Caltex Mittagong Service Station	65 Bowral ROAD	Service Station	Regulation under CLM Act not required	-34.45245915	150.4381291
MITTAGONG	Enhance (former Coles Express) Service Station	224 Old Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.44746118	150.4326183
MITTAGONG	Lots 1 and 2 Alfred St.	Alfred STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-34.44738105	150.4565159
MOAMA	Caltex Moama Service Station	73 Meninya (Cnr Regent St) STREET	Service Station	Regulation under CLM Act not required	-36.10815134	144.752849
MOLONG	Cabonne BP Service Station	2 Gidley STREET	Service Station	Contamination currently regulated under CLM Act	-33.09026307	148.8695809
MOLONG	Former Gasworks	Hill STREET	Gasworks	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.09074595	148.8703262
MONA VALE	7-Eleven (former Mobil) Service Station	24 Barrenjoey ROAD	Service Station	Regulation under CLM Act not required	-33.676909	151.3082515
MONA VALE	BP Peninsula Express Service Station	Corner Barrenjoey Road and Darley Street East STREET	Service Station	Regulation under CLM Act not required	-33.67670799	151.3090068
MONA VALE	BP Service Station Mona Vale	1721 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.68043443	151.3023553

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MONA VALE	Caltex Investigation Area	Polo Ave, Perak STREET	Service Station	Contamination formerly regulated under the CLM Act	-33.67431333	151.3091148
MONA VALE	Former Caltex service station and adjacent properties	79 Barrenjoey Road, 2 Polo Avenue, 6 Polo Avenue, 45 Bassett STREET	Service Station	Contamination formerly regulated under the CLM Act	-33.6743659	151.3096932
MONA VALE	Mona Vale Bus Depot	58 Darley STREET	Other Petroleum	Contamination currently regulated under CLM Act	-33.67452414	151.3074246
MONA VALE	Taronga Place Mona Vale properties	Taronga PLACE	Other Petroleum	Contamination currently regulated under CLM Act	-33.67422848	151.3066972
MOOBALL	Mooball General Store	5913 Tweed Valley WAY	Service Station	Regulation under CLM Act not required	-28.44204594	153.4887648
MOONBI	Caltex Moonbi Service Station	New England HIGHWAY	Service Station	Regulation under CLM Act not required	-31.02264369	151.069094
MOORE PARK	Area 2, Moore Park	Driver AVENUE	Unclassified	Regulation under CLM Act not required	-33.89426868	151.2226839
MOOREBANK	ABB Australia Pty Ltd	(a) 1 Bapaume ROAD	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.94143741	150.9208754
MOOREBANK	Caltex Service Station	216 Newbridge ROAD	Service Station	Regulation under CLM Act not required	-33.92930835	150.9551469
MOOREBANK	Caltex Service Station Moorebank	2 Bridges ROAD	Service Station	Regulation under CLM Act not required	-33.92839682	150.9327012
MOOREBANK	Former Concrete Recyclers property, Newbridge Road, Moorebank	Newbridge ROAD	Landfill	Regulation under CLM Act not required	-33.9390295	150.9653979
MOOREBANK	Helles Park	Helles AVENUE	Landfill	Regulation under CLM Act not required	-33.93633126	150.9221424
MOOREBANK	Joyce Foam Products	5-9 Bridges ROAD	Chemical Industry	Regulation under CLM Act not required	-33.92596302	150.9335273
MOORLAND	Caltex Service Station	99 Jericho ROAD	Service Station	Regulation under CLM Act not required	-31.79436622	152.6514849
MOREE	BP Truckstop and Depot Moree	Newell Highway - 423 Frome STREET	Service Station	Regulation under CLM Act not required	-29.48223274	149.8463679

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MOREE	Caltex Depot	101 Gosport STREET	Other Petroleum	Regulation under CLM Act not required	-29.47603684	149.8476728
MOREE	Caltex Service Station	54 Alice STREET	Service Station	Contamination currently regulated under CLM Act	-29.47158492	149.8433182
MOREE	Former Freedom Service Station Site Moree	1 Dover STREET	Service Station	Contamination formerly regulated under the CLM Act	-29.4715814	149.8440279
MOREE	Former Golden Fleece Depot	Gosport STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-29.47698315	149.8477108
MOREE	Former Mobil Depot	Gosport STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-29.47764104	149.8478284
MOREE	Former Shell Depot	Adelaide STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-29.47655335	149.8465698
MOREE	Moree Airport Evaporation Pond	Newell HIGHWAY	Unclassified	Regulation under CLM Act not required	-29.50289837	149.8411301
MOREE	Shell Coles Express Service Station	Corner Gwydir and Balo STREET	Service Station	Regulation under CLM Act not required	-29.46081826	149.8419975
MOREE	Sunnyside Road	Sunnyside ROAD	Unclassified	Regulation under CLM Act not required	-29.45652718	149.8226682
MORISSET	Morisset High School	Bridge STREET	Unclassified	Regulation under CLM Act not required	-33.10475221	151.4866482
MORISSET	Railcorp Station Masters Cottage	24 Dora STREET	Unclassified	Regulation under CLM Act not required	-33.10849681	151.4880317
MORISSET	Sanyog Holdings Pty Ltd	57 Dora STREET	Service Station	Regulation under CLM Act not required	-33.10732744	151.4900584
MORPETH	Former Service Station	Swan STREET	Service Station	Regulation under CLM Act not required	-32.72477413	151.6250642
MORPETH	Telstra Cable Installation and RTA Bridge work	Northumberland STREET	Other Petroleum	Regulation under CLM Act not required	-32.72489729	151.6266795
MORTLAKE	Former AGL site	Tennyson ROAD	Gasworks	Contamination formerly regulated under the CLM Act	-33.84287407	151.1109313

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MORTLAKE	Former Petroleum Storage Site	108-116 Tennyson ROAD	Other Petroleum	Regulation under CLM Act not required	-33.83979033	151.1064889
MORTLAKE	Kendall Bay Sediments	Kendall BAY	Gasworks	Contamination currently regulated under CLM Act	-33.83905999	151.1120458
MORTLAKE	Majors Bay Redevelopment	14-22 Hilly STREET	Other Industry	Regulation under CLM Act not required	-33.83954617	151.1054674
MORUYA	Caltex Service Station	26 Campbell STREET	Service Station	Regulation under CLM Act not required	-35.9104985	150.0711419
MORUYA	Caltex Service Station Moruya	80-84 Campbell STREET	Service Station	Regulation under CLM Act not required	-35.91195596	150.0824213
MORUYA	Former Fuel Depot Moruya	11 to 13 Ford STREET	Other Petroleum	Regulation under CLM Act not required	-35.9112243	150.0826475
MOSMAN	173 Avenue Road, MOSMAN NSW 2088	173 Avenue ROAD	Unclassified	Regulation under CLM Act not required	-33.830565	151.243523
MOSMAN	7-Eleven Mosman	162A Spit Road Corner Mitchell ROAD	Service Station	Regulation under CLM Act not required	-33.81747016	151.2433633
MOSMAN	7-Eleven Service Station Mosman	45 Spit ROAD	Service Station	Regulation under CLM Act not required	-33.82302718	151.2435627
MOSMAN	Allan Border Oval	Myahgah ROAD	Landfill	Regulation under CLM Act not required	-33.82681534	151.2417712
MOSMAN	BP Express Mosman	175 Ourimbah ROAD	Service Station	Regulation under CLM Act not required	-33.82106459	151.2332921
MOSMAN	BP Service Station	175 Ourimbah ROAD	Service Station	Regulation under CLM Act not required	-33.82106757	151.233291
MOSS VALE	Coles Express Service Station	579 Argyle STREET	Service Station	Regulation under CLM Act not required	-34.55313422	150.364684
MOSS VALE	Moss Vale Refuelling Facility	Lackey ROAD	Other Petroleum	Regulation under CLM Act not required	-34.54662421	150.3721525
MOSS VALE	Woolworths Service Station Moss Vale	609 Argyle STREET	Service Station	Regulation under CLM Act not required	-34.55409411	150.3609797

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MOUNT ANNAN	Great Southern Railways Aqueduct	Off Narellan ROAD	Unclassified	Regulation under CLM Act not required	-34.07308479	150.7707436
MOUNT ANNAN	Woolworths Caltex Mount Annan	157 Narellan (Corner Smeaton Grange Road) ROAD	Service Station	Regulation under CLM Act not required	-34.04685527	150.7610434
MOUNT COLAH	Caltex Service Station Mount Colah	603 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.67034662	151.1151861
MOUNT COLAH	Foxglove Oval	Foxglove ROAD	Landfill	Contamination currently regulated under CLM Act	-33.65829855	151.1229638
MOUNT DRUITT	7-Eleven Mount Druitt	Lot 6 Luxford ROAD	Other Petroleum	Regulation under CLM Act not required	-33.76483839	150.8254157
MOUNT DRUITT	Caltex (former Mobil) Service Station, 17 Mount Street, Mount Druitt	17 Mount STREET	Service Station	Regulation under CLM Act not required	-33.76567994	150.8244544
MOUNT HUTTON	Woolworths Service Station	46 Wilsons ROAD	Service Station	Regulation under CLM Act not required	-32.9836378	151.67309
MOUNT PRITCHARD	7-Eleven Service Station	352 Elizabeth DRIVE	Service Station	Regulation under CLM Act not required	-33.90260656	150.8963326
MOUNT THORLEY	Bulga Surface Operations	Broke ROAD	Other Industry	Regulation under CLM Act not required	-32.68325751	151.1206158
MOUNT THORLEY	Lowes Petroleum (Former BP) Depot Mount Thorley	74 Mount Thorley ROAD	Other Petroleum	Regulation under CLM Act not required	-32.62443074	151.1025122
MOUNT VICTORIA	Caltex Service Station	36a Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.58436517	150.2465528
MOUNT VICTORIA	Former Mobil Service Station	81 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.5889727	150.2511783
MUDGEE	BP Service Station Mudgee	77 Church STREET	Service Station	Regulation under CLM Act not required	-32.59545872	149.588123
MUDGEE	Caltex Service Station	114-116 Church STREET	Service Station	Regulation under CLM Act not required	-32.59428029	149.5876199
MUDGEE	Former Caltex Depot Mudgee	cnr Nicholson Street & Atkinson STREET	Other Petroleum	Regulation under CLM Act not required	-32.60125298	149.5851398

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MUDGEE	Former Essential Energy Depot	27-31 Inglis STREET	Other Industry	Regulation under CLM Act not required	-32.60076552	149.5858905
MUDGEE	Mobil Depot	47 Douro STREET	Other Petroleum	Contamination currently regulated under CLM Act	-32.60023979	149.5823448
MUDGEE	Mudgee Gasworks	Mortimer Street and Court STREET	Gasworks	Regulation under CLM Act not required	-32.59168859	149.5817705
MUDGEE	Shell Coles Express Service Station	47 Church STREET	Service Station	Regulation under CLM Act not required	-32.59347493	149.5884623
MULGRAVE	7-Eleven (former Mobil) Service Station	Corner Windsor Road and Mulgrave ROAD	Service Station	Regulation under CLM Act not required	-33.61687781	150.8341809
MULLUMBIMBY	Station Street, Mullumbimby NSW 2482	Station STREET	Other Industry	Regulation under CLM Act not required	-28.55211357	153.5035218
MULWALA	Mulwala ADI Explosives Factory	Bayly STREET	Other Industry	Regulation under CLM Act not required	-35.97572689	145.9809786
MURWILLUMBAH	Murwillumbah Ambulance Depot	27 Queen STREET	Other Petroleum	Regulation under CLM Act not required	-28.32552576	153.4000182
MURWILLUMBAH SOUTH	Caltex Murwillumbah (formerly Puma)	182 Tweed Valley WAY	Service Station	Contamination formerly regulated under the CLM Act	-28.3263681	153.4103824
MURWILLUMBAH SOUTH	Former Norco Butter Factory (Eastern Portion)	230 Tweed Valley WAY	Other Petroleum	Regulation under CLM Act not required	-28.32791359	153.4073052
MUSWELLBROOK	Bayswater Power Station	New England HIGHWAY	Other Industry	Regulation under CLM Act not required	-32.3954046	150.9502683
MUSWELLBROOK	Caltex Muswellbrook Service Station	84-86 Maitland STREET	Service Station	Regulation under CLM Act not required	-32.27793094	150.8980938
MUSWELLBROOK	Caltex Service Station	12-16 Sydney STREET	Service Station	Regulation under CLM Act not required	-32.26785559	150.8879601
MUSWELLBROOK	Former Caltex Depot	1 Lower William STREET	Other Petroleum	Regulation under CLM Act not required	-32.26614257	150.8865136
MUSWELLBROOK	Former Caltex Depot	47-50 Victoria STREET	Service Station	Regulation under CLM Act not required	-32.26788823	150.8930609

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
MUSWELLBROOK	Former Gasworks	Corner Carl Street and Foley STREET	Gasworks	Regulation under CLM Act not required	-32.26672337	150.8935982
MUSWELLBROOK	Former Industrial Site	Lot 89 Rathmore STREET	Other Industry	Regulation under CLM Act not required	-32.30544071	150.8823657
MUSWELLBROOK	Former Mobil Depot Muswellbrook	43-51 Ford STREET	Other Petroleum	Regulation under CLM Act not required	-32.2599725	150.887573
MUSWELLBROOK	Former Pit Top No. 1 Colliery Muswellbrook Coal	Corner Clendinning Street and Victoria STREET	Other Industry	Regulation under CLM Act not required	-32.27031992	150.9009981
MUSWELLBROOK	United Branded (Former Mobil) Service Station Muswellbrook	49-51 Maitland STREET	Service Station	Regulation under CLM Act not required	-32.27218162	150.8900206
MUSWELLBROOK	Vacant Rail Land	27 Brook STREET	Unclassified	Regulation under CLM Act not required	-32.26346086	150.8873181
MUSWELLBROOK	Woolworths Petrol	72 Brook STREET	Service Station	Regulation under CLM Act not required	-32.26325377	150.8905966
NABIAC	Caltex Service Station NABIAC	3964 Wallanbah (Cnr Wallanbah Rd and Pacific Hwy) ROAD	Service Station	Regulation under CLM Act not required	-32.09864883	152.3754346
NAMBUCCA HEADS	Former Mobil Service Station	6 Bowra STREET	Service Station	Regulation under CLM Act not required	-30.64282127	153.0035884
NARELLAN	Caltex Service Station Narellan	1 George Hunter DRIVE	Service Station	Regulation under CLM Act not required	-34.03963992	150.7432386
NARELLAN	Former Landfill	1 Elyard STREET	Landfill	Regulation under CLM Act not required	-34.043474	150.7393256
NAROOMA	Former Caltex - Narooma	82 Princes HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-36.21711766	150.1279305
NAROOMA	Narooma BP - 90 Campbell St, Narooma	90 Campbell STREET	Service Station	Under assessment	-36.216338	150.130229
NAROOMA	Narooma Service Station	60 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-36.21617955	150.126261
NARRABEEN	7-Eleven Narrabeen North	1501-1505 Pittwater Road, corner Gondola ROAD	Service Station	Regulation under CLM Act not required	-33.70749859	151.296351

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
NARRABEEN	7-Eleven Service Station	1234 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.71958892	151.298272
NARRABEEN	Caltex Service Station	1509-1511 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.70455756	151.2969352
NARRABEEN	Narrabeen Shotgun Range Sydney Academy of Sport	Wakehurst PARKWAY	Unclassified	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.72138423	151.2642798
NARRABEEN	Shell Coles Express Service Station	1418 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.70013931	151.3002782
NARRABRI	Caltex Narrabri Service Station	31 Dangar (Cnr Anne and Dangar) STREET	Service Station	Regulation under CLM Act not required	-30.32989667	149.7756598
NARRABRI	Caltex Service Station	13 Doyle STREET	Service Station	Regulation under CLM Act not required	-30.3239182	149.7843052
NARRABRI	Caltex Service Station	31-35 Cooma ROAD	Service Station	Regulation under CLM Act not required	-30.33968576	149.7657241
NARRABRI	Caltex Service Station	12 Reid STREET	Other Petroleum	Regulation under CLM Act not required	-30.32282764	149.7901182
NARRABRI	Caltex Service Station	7-13 James STREET	Service Station	Regulation under CLM Act not required	-30.33016168	149.7940732
NARRABRI	Cargill Soapstock Disposal Site	Westport ROAD	Unclassified	Contamination formerly regulated under the CLM Act	-30.4698458	149.6981931
NARRABRI	Lowes Petroleum (Former Mobil) Narrabri Depot	3 Old Gunnedah ROAD	Other Petroleum	Regulation under CLM Act not required	-30.33473586	149.789587
NARRANDERA	Former Mobil Emoleum Narrandera Depot	5-7 Margaret STREET	Other Petroleum	Regulation under CLM Act not required	-34.74105391	146.5628144
NARRANDERA	Former Mobil Narrandera Depot	24 Whitton STREET	Other Petroleum	Regulation under CLM Act not required	-34.7410523	146.5620667
NARROMINE	Narromine Fuel (Former Caltex) Service Station	Cnr Burraway Street and Algalah STREET	Service Station	Regulation under CLM Act not required	-32.23565321	148.2454259
NELLIGEN	Former Clay Target Shooting Range	1398 Kings Highway and adjoining land on Old Bolaro Mountain ROAD	Unclassified	Contamination currently regulated under CLM Act	-35.64392469	150.0955224

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
NELLIGEN	Lot 2 Old Bolaro Road	Old Bolaro ROAD	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-35.64485609	150.0937341
NELSON BAY	Former Caltex Service Station Nelson Bay	38 Stockton STREET	Service Station	Regulation under CLM Act not required	-32.72335662	152.1429384
NELSON BAY	Shell Coles Express Service Station	25 Stockton STREET	Service Station	Regulation under CLM Act not required	-32.72265762	152.1437317
NEMINGHA	Caltex Service Station and Depot Nemingha	428 Armidale (previously 16 New England Highway) ROAD	Service Station	Regulation under CLM Act not required	-31.12425169	150.9909054
NEUTRAL BAY	Caltex Service Station	16-38 Military ROAD	Service Station	Regulation under CLM Act not required	-33.82907162	151.2163342
NEUTRAL BAY	Shell Coles Express Service Station	200-204 Ben Boyd ROAD	Service Station	Regulation under CLM Act not required	-33.82915781	151.219437
NEW LAMBTON	7-Eleven (former Mobil) Service Station	291 Turton ROAD	Service Station	Regulation under CLM Act not required	-32.91773864	151.7243096
NEW LAMBTON	BP Service Station	105 St James ROAD	Service Station	Regulation under CLM Act not required	-32.92910325	151.7155801
NEW LAMBTON	Caltex Service Station New Lambton	144 Bridges ROAD	Service Station	Regulation under CLM Act not required	-32.93283668	151.7141748
NEWCASTLE	Newcastle Foreshore	40 Stevenson Place STREET	Other Industry	Regulation under CLM Act not required	-32.92556503	151.7876742
NEWCASTLE	Reclaimed Land	26-28 Honeysuckle DRIVE	Unclassified	Contamination formerly regulated under the CLM Act	-32.92604705	151.7649508
NEWCASTLE	SRA Land	Scott STREET	Gasworks	Regulation under CLM Act not required	-32.92641425	151.7837817
NEWCASTLE	Wharf Road Newcastle Car Park	313-317 Wharf ROAD	Unclassified	Regulation under CLM Act not required	-32.92570385	151.7744076
NEWCASTLE WEST	Former Mobil Service Station	113 Parry STREET	Service Station	Regulation under CLM Act not required	-32.92560628	151.7558542
NEWPORT	7-Eleven (former Mobil) Service Station	307 Barrenjoey ROAD	Service Station	Regulation under CLM Act not required	-33.65632902	151.3182089

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
NEWPORT	Former Caltex Service Station Newport	316-324 Barrenjoey ROAD	Service Station	Regulation under CLM Act not required	-33.65634516	151.3191571
NEWTOWN	Adjacent to Former Service Station	79 Wilson STREET	Service Station	Contamination formerly regulated under the CLM Act	-33.89630155	151.1826567
NEWTOWN	Aluminium Enterprises	66 Brocks LANE	Metal Industry	Contamination was addressed via the planning process (EP&A Act)	-33.89467126	151.1847528
NEWTOWN	Caltex Service Station Newtown	26 - 36 Enmore ROAD	Service Station	Regulation under CLM Act not required	-33.89851331	151.17714
NEWTOWN	Former Service Station	81 Wilson STREET	Service Station	Contamination formerly regulated under the CLM Act	-33.89626791	151.1827556
NORAVILLE	Former Toukley Landfill	Wilfred Barrett DRIVE	Landfill	Regulation under CLM Act not required	-33.27734185	151.5537784
NORTH ALBURY	Caltex Service Station and Diesel Stop	79 Union ROAD	Service Station	Regulation under CLM Act not required	-36.05496713	146.9487635
NORTH BOAMBEE VALLEY	Caltex Service Station	Cnr Pacific Hwy & Halls ROAD	Service Station	Regulation under CLM Act not required	-30.30639482	153.1007996
NORTH BONDI	Caltex Service Station North Bondi	321 Old South Head ROAD	Service Station	Regulation under CLM Act not required	-33.88463526	151.268551
NORTH NARRABEEN	7-Eleven Service Station	1501-1503 Pittwater ROAD	Service Station	Regulation under CLM Act not required	-33.70749859	151.296351
NORTH RICHMOND	Caltex Service Station	50 Bells Line Of ROAD	Service Station	Regulation under CLM Act not required	-33.57991338	150.7202346
NORTH ROCKS	7-Eleven Service Station North Rocks	340 North Rocks ROAD	Service Station	Regulation under CLM Act not required	-33.76895144	151.0305952
NORTH ST MARYS	BP Service Station	76 Glossop STREET	Service Station	Regulation under CLM Act not required	-33.76020183	150.7818149
NORTH ST MARYS	Mt Druitt Transmission Substation	69 Kurrajong ROAD	Other Industry	Regulation being finalised	-33.76376093	150.7921691
NORTH STRATHFIELD	Budget Service Station	143 Concord ROAD	Service Station	Regulation under CLM Act not required	-33.85945248	151.0927853

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
NORTH STRATHFIELD	Former Caltex Service Station	92a Concord ROAD	Service Station	Regulation under CLM Act not required	-33.86244297	151.0932434
NORTH SYDNEY	Iora Complex	1 Kiara PLACE	Gasworks	Regulation under CLM Act not required	-33.843145	151.2161142
NORTH SYDNEY	Neutral Bay Sediments	Adjacent to Sub Base Platypus, High STREET	Gasworks	Contamination formerly regulated under the CLM Act	-33.8417682	151.2158756
NORTH SYDNEY	Sub Base Platypus (previously HMAS Platypus)	High STREET	Gasworks	Contamination formerly regulated under the CLM Act	-33.84325935	151.2170347
NORTH WOLLONGONG	Former Mobil Depot	122-126 Montague STREET	Other Petroleum	Regulation under CLM Act not required	-34.40988259	150.8939374
NORTHMEAD	7-Eleven Service Station Northmead	56 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.79090731	150.9967332
NORTHMEAD	Caltex Service Station	98-100 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.78786563	150.9945909
NORTHMEAD	Coles Express Service Station Northmead	197 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.77741733	151.0001719
NORTHMEAD	Former Prestige Plastics	1C Redbank ROAD	Other Industry	Regulation under CLM Act not required	-33.79716925	150.989926
NORTHMEAD	Sydney Water Land	51c Hammers ROAD	Landfill	Regulation under CLM Act not required	-33.7887535	150.9858088
NOWRA	Fire Station	69 Bridge ROAD	Gasworks	Regulation under CLM Act not required	-34.87081582	150.6004881
NOWRA	Former gasworks	Lamonds LANE	Gasworks	Ongoing maintenance required to manage residual contamination (CLM Act)	-34.87111182	150.6000803
NOWRA	Former Gasworks Managers Residence	24 Osborne STREET	Gasworks	Regulation under CLM Act not required	-34.8708875	150.5992586
NOWRA	Former Hollingworth Scrap Yard	72-74 Jervis and 117 East STREET	Other Industry	Regulation under CLM Act not required	-34.88324216	150.6034361
NOWRA	Harry Sawkins Park	Bounded by Princes Hwy, Graham St & McGrath AVENUE	Gasworks	Regulation under CLM Act not required	-34.87093993	150.6037157

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
NOWRA	Historically Filled Land	70 Bridge ROAD	Unclassified	Regulation under CLM Act not required	-34.87081809	150.6013231
NOWRA	Shell Coles Express Service Station	55 Kinghorne STREET	Service Station	Regulation under CLM Act not required	-34.87633757	150.6023481
NOWRA	Woolworths Service Station	60 North Street STREET	Service Station	Regulation under CLM Act not required	-34.87266278	150.6014052
NOWRA EAST	Mobil Service Station	Lot 3 Kalandar STREET	Service Station	Contamination formerly regulated under the CLM Act	-34.88850535	150.6093504
NYNGAN	Caltex Service Station	39-41 Pangee STREET	Service Station	Regulation under CLM Act not required	-31.56101006	147.1914997
NYNGAN	Caltex Service Station	126 Pangee STREET	Service Station	Regulation under CLM Act not required	-31.56482841	147.2002892
NYNGAN	Main West Rail Line	Mitchell HIGHWAY	Other Industry	Regulation under CLM Act not required	-31.6411651	147.344176
OAK FLATS	Shellharbour City Works Depot	132 Industrial ROAD	Other Industry	Regulation under CLM Act not required	-34.56546013	150.8087225
OBERON	Caltex Service Station and Depot	Lowes Mount ROAD	Service Station	Regulation under CLM Act not required	-33.69509055	149.8570553
OBERON	CSR Ltd Property and King's Stockyard Creek	Off Endeavour STREET	Other Industry	Contamination formerly regulated under the CLM Act	-33.6922152	149.8686909
OBERON	Former Shell Depot	32 O'Connell ROAD	Other Petroleum	Regulation under CLM Act not required	-33.6997172	149.8450057
OBERON	Oberon Timber Complex	Lowes Mount ROAD	Other Industry	Regulation under CLM Act not required	-33.69264862	149.8564588
OCEAN SHORES	Former Ocean Shores Service Station	Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-28.51270299	153.5301496
OLD GUILDFORD	Caltex Service Station	636-644 Woodville ROAD	Service Station	Regulation under CLM Act not required	-33.86670857	150.9879189
OLD TOONGABBIE	Baulkham Hills Transmission Substation	191z Old Windsor ROAD	Other Industry	Under assessment	-33.78166777	150.9689625

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ORANGE	5-7 Edward St Orange	5-7 Edward STREET	Other Industry	Contamination currently regulated under CLM Act	-33.2991077	149.1034092
ORANGE	BP (Reliance Petroleum) Service Station Orange	56-60 Bathurst ROAD	Service Station	Regulation under CLM Act not required	-33.28980053	149.1086212
ORANGE	BP Orange Service Station (Reliance Petroleum)	81 Summer STREET	Service Station	Regulation under CLM Act not required	-33.2825884	149.0951535
ORANGE	BP-Branded Lowes Petroleum Depot	197 - 201 Margaret STREET	Other Petroleum	Regulation under CLM Act not required	-33.27145977	149.1078103
ORANGE	Caltex Orange Depot	184 Byng STREET	Service Station	Regulation under CLM Act not required	-33.28285589	149.1050273
ORANGE	Caltex Summer Street Service Station Orange	70-74 Summer Street, corner Hill STREET	Service Station	Regulation under CLM Act not required	-33.28311722	149.0940712
ORANGE	Former Fuel Depot	24-28 Peisley STREET	Other Petroleum	Contamination currently regulated under CLM Act	-33.29624293	149.1017277
ORANGE	Former Mobil Service Station	24-28 Bathurst ROAD	Service Station	Regulation under CLM Act not required	-33.2866912	149.1066505
ORANGE	Former Mobil Service Station	168 Peisley STREET	Service Station	Regulation under CLM Act not required	-33.28525478	149.1037259
ORANGE	Lowes Petroleum (BP-branded) Service Station	76 Peisley STREET	Service Station	Regulation under CLM Act not required	-33.29025034	149.1027194
ORANGE	Woolworths Orange Service Station	357-361 Summer Street, corner William STREET	Service Station	Regulation under CLM Act not required	-33.28445811	149.1053604
OURIMBAH	Palmdale Service Centre Pty Ltd	3130 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.3381336	151.374586
OURIMBAH	Shell Coles Express Service Station	78-80 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.3468202	151.3710098
OURIMBAH	United Ourimbah	51 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.36025941	151.3694483
OXLEY VALE	Hayes Transport Services	10 Manilla ROAD	Other Petroleum	Regulation under CLM Act not required	-31.06991417	150.9101381

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
OYSTER BAY	Shell Coles Express Service Station	20 Carvers ROAD	Service Station	Contamination formerly regulated under the CLM Act	-34.00934475	151.0758626
OYSTER COVE	Cove Marine Pty Ltd	60 Frederick STREET	Unclassified	Contamination currently regulated under POEO Act	-32.73549959	151.952446
PADDINGTON	7-Eleven Service Station	59 Oxford STREET	Service Station	Contamination currently regulated under CLM Act	-33.88322921	151.2205024
PADDINGTON	Former Workshop	52 Hopewell STREET	Other Industry	Regulation under CLM Act not required	-33.88195798	151.2220744
PADSTOW	Caltex Padstow	115 Fairford ROAD	Service Station	Regulation under CLM Act not required	-33.9434571	151.0345671
PADSTOW	Former Exide Battery Manufacturing & Recycling	55 Bryant STREET	Other Industry	Contamination currently regulated under CLM Act	-33.94265241	151.0378986
PADSTOW	Foseco Australia	7 Stuart STREET	Chemical Industry	Regulation under CLM Act not required	-33.94342957	151.0377316
PADSTOW	Galvatech	49 Gow STREET	Metal Industry	Contamination currently regulated under POEO Act	-33.93808679	151.0346862
PADSTOW	Sebel Furniture	Parts 64 and 92 Gow STREET	Other Industry	Regulation under CLM Act not required	-33.93606752	151.0322057
PADSTOW	Selleys / Dulux	1-29 Gow STREET	Chemical Industry	Regulation under CLM Act not required	-33.93904125	151.0381725
PAGEWOOD	Former Email Site	Corner of Page Street and Holloway STREET	Metal Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.94302462	151.2132036
PAMBULA	Offsite area (roadways) adjacent to United Service Station Pambula (former Shell)	Corner Quondola Street and Bullara STREET	Service Station	Regulation under CLM Act not required	-36.93104481	149.8746763
PARKES	BP Reliance East End Service Station Parkes	46 Clarinda STREET	Service Station	Regulation under CLM Act not required	-33.14243539	148.1846227
PARKES	BP Truckstop	(Newell Highway) 1 Forbes ROAD	Other Petroleum	Regulation under CLM Act not required	-33.14309226	148.1710282
PARKES	Caltex Service Station Parkes	352-360 Clarinda STREET	Service Station	Regulation under CLM Act not required	-33.13317454	148.173643

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PARKES	Former BP Telescope Service Station	339-341 Clarinda STREET	Service Station	Regulation under CLM Act not required	-33.13216152	148.1743239
PARKES	Former Caltex Parkes (Mugincoble) Depot - Eugowra Rd, Mugincoble	Eugowra ROAD	Service Station	Regulation under CLM Act not required	-33.19007031	148.224822
PARKES	Former Parkes Gasworks (including Rail Corridor and offsite land)	129 Woodward Street and land within the Parkes railway CORRIDOR	Gasworks	Contamination currently regulated under CLM Act	-33.14480316	148.1844397
PARKLEA	Caltex Parklea Service Station	Old Windsor (north of Miami Street) ROAD	Service Station	Regulation under CLM Act not required	-33.72427108	150.9388531
PARRAMATTA	7-Eleven (former Mobil) Service Station	81 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.80919769	151.0142894
PARRAMATTA	BP Service Station	435 Church STREET	Service Station	Regulation under CLM Act not required	-33.80498714	151.0056151
PARRAMATTA	Coleman Oval Embankment	Cnr of Pitt STREET and Maquarie STREET	Unclassified	Regulation under CLM Act not required	-33.80441625	150.9954841
PARRAMATTA	Parramatta Park Toilet Block Demolition	The Crescent Toilet Block Parramatta PARK	Unclassified	Regulation under CLM Act not required	-33.81054034	150.9961968
PAUPONG	Former Timber Treatment Plant	Off Paupong ROAD	Other Industry	Regulation under CLM Act not required	-36.57657408	148.6624998
PENDLE HILL	7-Eleven Service Station	217 Wentworth AVENUE	Service Station	Regulation under CLM Act not required	-33.8017814	150.9577994
PENNANT HILLS	Shell Coles Express Pennant Hills West	386 Pennant Hills ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.73928611	151.0679704
PENRITH	7-Eleven (former Mobil) Service Station	212-222 Andrews ROAD	Service Station	Regulation under CLM Act not required	-33.73059678	150.6952571
PENRITH	7-Eleven Service Station Penrith	30 Henry STREET	Service Station	Regulation under CLM Act not required	-33.75408799	150.7045594
PENRITH	BP Express Service Station	Corner Coreen Avenue and Castlereagh ROAD	Service Station	Regulation under CLM Act not required	-33.74385498	150.6925743
PENRITH	Caltex Penrith Service Station	153 Coreen AVENUE	Service Station	Regulation under CLM Act not required	-33.74287244	150.6927071

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PENRITH	Caltex Service Station	Castlereagh Rd Cnr Lugard STREET	Service Station	Regulation under CLM Act not required	-33.73426843	150.6933382
PENRITH	Crane Enfield Metals	2115-2131 Castlereagh ROAD	Metal Industry	Contamination formerly regulated under the CLM Act	-33.73734959	150.696442
PENRITH	Former Dry Cleaners	Shop 3, 134-138 Henry STREET	Other Industry	Regulation under CLM Act not required	-33.75231953	150.6964541
PENRITH	Jet 60 Dry Cleaners	Shop 3 134-138 Henry STREET	Unclassified	Regulation under CLM Act not required	-33.75231953	150.6964541
PENRITH	Lowes Petroleum (Former Mobil) Depot Penrith	174 Coreen AVENUE	Other Petroleum	Regulation under CLM Act not required	-33.74484268	150.6980504
PENRITH	Mirvac Industrial Site	2101 Castlereagh ROAD	Other Industry	Regulation under CLM Act not required	-33.73497514	150.6954097
PENSHURST	7-Eleven Service Station	612 Forest ROAD	Service Station	Regulation under CLM Act not required	-33.96153533	151.0793525
PENSHURST	Caltex Service Station	641 King Georges ROAD	Service Station	Regulation under CLM Act not required	-33.95985335	151.0891118
PERISHER VALLEY	Perisher Centre Loading Dock	Kosciuszko ROAD	Other Petroleum	Regulation under CLM Act not required	-36.40392862	148.4111593
PERISHER VALLEY	Perisher Ski Resort	Kosciuszko ROAD	Other Petroleum	Regulation under CLM Act not required	-36.41106374	148.4005469
PETERSHAM	7-Eleven Petersham	8-10 Crystal STREET	Service Station	Regulation under CLM Act not required	-33.88867433	151.1585716
PETERSHAM	Fanny Durack Aquatic Centre	Station STREET	Unclassified	Regulation under CLM Act not required	-33.89194583	151.151824
PHEASANTS NEST	7-Eleven (former Mobil) Service Station	(Northbound) Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.28303112	150.6363145
PHEASANTS NEST	7-Eleven Service Station	(Southbound) Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.28291571	150.6394606
PICTON	Coles Express Picton	93-99 Argyle STREET	Service Station	Regulation under CLM Act not required	-34.16844337	150.6114236

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PICTON	McDonalds	69 -71 Argyle STREET	Service Station	Regulation under CLM Act not required	-34.16711877	150.6121524
PITT TOWN	Whites Water Service	1 Canning PLACE	Other Industry	Regulation under CLM Act not required	-33.57418268	150.8811385
PLUMPTON	Woolworths Service Station Plumpton (Plumpton Marketplace Shops)	260 Jersey ROAD	Service Station	Regulation under CLM Act not required	-33.74478874	150.8369408
POINT PIPER	5 Wunulla Road Point Piper	5 Wunulla ROAD	Other Industry	Regulation under CLM Act not required	-33.8683426	151.2532699
PORT BOTANY	Bulk Liquids Berth UPSS, Port Botany	Charlotte ROAD	Other Petroleum	Regulation under CLM Act not required	-33.97386329	151.2120157
PORT BOTANY	Bunnerong Canal	Between Brotherson Dock and Bumborah Point ROAD	Unclassified	Regulation under CLM Act not required	-33.96798227	151.2230052
PORT BOTANY	Port Botany Railway Corridors	Friendship ROAD	Other Industry	Regulation under CLM Act not required	-33.95467008	151.2178012
PORT BOTANY	Port Operations Centre UPSS, Port Botany	Penrhyn ROAD	Other Petroleum	Regulation under CLM Act not required	-33.96803686	151.2205968
PORT BOTANY	Smith Bros	4 Bumborah Point ROAD	Other Petroleum	Regulation under CLM Act not required	-33.9681757	151.2239505
PORT BOTANY	Terminals	45 Friendship ROAD	Chemical Industry	Regulation under CLM Act not required	-33.97609287	151.2174402
PORT BOTANY	Vopak A	49 Friendship ROAD	Chemical Industry	Regulation under CLM Act not required	-33.97426175	151.2206228
PORT BOTANY	Vopak B	20 Friendship ROAD	Chemical Industry	Regulation under CLM Act not required	-33.97946548	151.2121752
PORT BOTANY	Vopak Terminals - Pipeline Corridor	21 Fishburn ROAD	Other Industry	Regulation under CLM Act not required	-33.97946548	151.2121752
PORT KEMBLA	BHP Area 21	Springhill ROAD	Metal Industry	Contamination formerly regulated under the CLM Act	-34.45243931	150.8676495
PORT KEMBLA	Caltex Service Station	16 Flinders STREET	Service Station	Regulation under CLM Act not required	-34.47058088	150.8945864

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PORT KEMBLA	Coates Hire Facility (Eastern Portion)	1 Flinders STREET	Other Industry	Regulation under CLM Act not required	-34.47104817	150.89162
PORT KEMBLA	Commonwealth Rolling Mills (CRM)	Old Port ROAD	Metal Industry	Regulation under CLM Act not required	-34.47476117	150.8974746
PORT KEMBLA	Darcy Road Rail Sidings	Darcy ROAD	Other Industry	Regulation under CLM Act not required	-34.47792834	150.9105503
PORT KEMBLA	Manildra Park	Flinders STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-34.46946878	150.8935731
PORT KEMBLA	Metal Manufactures (MM Kembla)	30 Gloucester BOULEVARD	Metal Industry	Regulation being finalised	-34.48227206	150.9111203
PORT KEMBLA	No 2 Steelworks	Five Islands ROAD	Metal Industry	Contamination formerly regulated under the CLM Act	-34.45965024	150.8844432
PORT KEMBLA	Port Kembla Copper Smelter	Military ROAD	Metal Industry	Contamination currently regulated under POEO Act	-34.4810006	150.9063426
PORT KEMBLA	Port Kembla Orica	Foreshore Road and Darcy ROAD	Other Industry	Contamination currently regulated under CLM Act	-34.47773583	150.9054545
PORT KEMBLA	Port Kembla Springhill Works	Springhill ROAD	Metal Industry	Regulation under CLM Act not required	-34.45574479	150.875052
PORT KEMBLA	Port Kembla Steelworks - No.1 Works Site	Five Islands ROAD	Metal Industry	Regulation under CLM Act not required	-34.47386606	150.8794912
PORT KEMBLA	Port Kembla Steelworks - Steelhaven	Five Islands ROAD	Other Industry	Regulation under CLM Act not required	-34.47605247	150.891144
PORT KEMBLA	Port Kembla Steelworks Recycling Area	Springhill ROAD	Unclassified	Regulation under CLM Act not required	-34.45271181	150.8677127
PORT KEMBLA	Port Kembla, Auszinc Metals and Alloys	Lot 2 Shellharbour ROAD	Metal Industry	Regulation under CLM Act not required	-34.49335414	150.8961205
PORT KEMBLA	Port Kembla, Former Electricity Commission Site	Old Port Road/Christie Drive ROAD	Other Industry	Regulation under CLM Act not required	-34.46899143	150.8982854
PORT KEMBLA	Shell Port Kembla CVRO	87-89 Flinders STREET	Other Petroleum	Regulation under CLM Act not required	-34.46964995	150.8953859

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PORT KEMBLA	South Yard Rail Sidings	Lot 3 Old Port ROAD	Unclassified	Regulation under CLM Act not required	-34.47500551	150.8951759
PORT MACQUARIE	Air BP Avgas Facility	Oliver DRIVE	Other Petroleum	Regulation under CLM Act not required	-31.43227222	152.8681083
PORT MACQUARIE	Caltex Port Macquarie Service Station	29 Lord STREET	Service Station	Regulation under CLM Act not required	-31.43326436	152.9169873
PORT MACQUARIE	Caltex Service Station	112-114 Gordon STREET	Service Station	Regulation under CLM Act not required	-31.43491709	152.9047618
PORT MACQUARIE	Caltex Service Station	92 Hastings River DRIVE	Service Station	Regulation under CLM Act not required	-31.42934052	152.8830188
PORT MACQUARIE	Caltex Service Station	12-14 Bolwarra ROAD	Service Station	Regulation under CLM Act not required	-31.45015286	152.8854769
PORT MACQUARIE	Car park	28 Hayward STREET	Other Industry	Regulation under CLM Act not required	-31.43385131	152.9072399
PORT MACQUARIE	Coles Myer	43 John Oxley DRIVE	Service Station	Regulation under CLM Act not required	-31.45741442	152.8739626
PORT MACQUARIE	Former Mobil Depot	211 Lake ROAD	Other Petroleum	Regulation under CLM Act not required	-31.44688513	152.8864499
PORT MACQUARIE	Former Mobil Service Station	Corner Oxley Highway and Major Innes DRIVE	Service Station	Regulation under CLM Act not required	-31.45738931	152.873956
PORT MACQUARIE	Port Macquarie Council Depot	Koala STREET	Unclassified	Regulation under CLM Act not required	-31.45341586	152.9032764
PORT MACQUARIE	Shell Coles Express Port Macquarie Service Station	121 Gordon STREET	Service Station	Regulation under CLM Act not required	-31.4343131	152.9046869
PORTLAND	Ivanhoe Colliery	Pipers Flat ROAD	Other Industry	Regulation under CLM Act not required	-33.36595748	150.0099577
PORTLAND	Mt Piper Power Station	350 Boulder ROAD	Other Petroleum	Regulation under CLM Act not required	-33.35581541	150.0350801
PRAIRIEWOOD	7-Eleven (former Caltex) Service Station	485-487 Smithfield ROAD	Service Station	Regulation under CLM Act not required	-33.87102509	150.9031383

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
PRESTONS	Jalco Automotive Pty Ltd	238 Hoxton Park ROAD	Unclassified	Under assessment	-33.92820345	150.8928415
PROSPECT	7-Eleven (former Mobil) Service Station Prospect	354 Flushcombe ROAD	Service Station	Regulation under CLM Act not required	-33.79541624	150.9049417
PROSPECT	Cottage 3, William Lawson Drive	William Lawson DRIVE	Unclassified	Regulation under CLM Act not required	-33.81490331	150.9149885
PROSPECT	Gatehouse, 544 Reservoir Road	544 Reservoir ROAD	Unclassified	Regulation under CLM Act not required	-33.81026272	150.9160605
PROSPECT	Pincott's Cottage, Gate C1	Off Reservoir ROAD	Unclassified	Regulation under CLM Act not required	-33.81589773	150.9144343
PUNCHBOWL	Caltex Service Station Punchbowl	1285-1289 Canterbury ROAD	Service Station	Regulation under CLM Act not required	-33.93146308	151.0596348
PUNCHBOWL	Former BP Service Station	1375 Canterbury Road, corner Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.93170424	151.0537302
PUNCHBOWL	Punchbowl Laundry	42-44 Belmore ROAD	Chemical Industry	Contamination currently regulated under CLM Act	-33.93582701	151.0562638
PUTNEY	Putney Marina	20 Waterview STREET	Other Industry	Regulation under CLM Act not required	-33.82608091	151.1003966
PYMBLE	Caltex Service Station	1089 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.74102977	151.1385257
PYMBLE	Former 3M site	950 Pacific HIGHWAY	Gasworks	Regulation under CLM Act not required	-33.75050288	151.1460578
PYMBLE	Pymble West Dry Cleaners	6 Philip MALL	Other Industry	Under preliminary investigation order	-33.76109009	151.1284329
PYMBLE	Shell Coles Express Service Station	21 Ryde ROAD	Service Station	Regulation under CLM Act not required	-33.75198512	151.1438115
PYRMONT	Former Council Works Depot (Fig and Wattle Depot)	14-26 Wattle STREET	Other Industry	Regulation under CLM Act not required	-33.8752655	151.1942645
QUAKERS HILL	7-Eleven (former Mobil) Service Station	83 Lalor ROAD	Service Station	Regulation under CLM Act not required	-33.72759077	150.8966764

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
QUAKERS HILL	BP Branded Parkway (Former Caltex) Service Station Quakers Hill	450 Quakers Hill PARKWAY	Service Station	Regulation under CLM Act not required	-33.72998613	150.9023617
QUEANBEYAN	95 Crawford St, Queanbeyan	95 Crawford STREET	Chemical Industry	Under assessment	-35.34707	142.229088
QUEANBEYAN	Bill Lilley Automotive	169 Crawford STREET	Service Station	Regulation under CLM Act not required	-35.35138121	149.232486
QUEANBEYAN	Caltex Queanbeyan Service Station	88 Macquoid (also known as Bungendore Rd) STREET	Service Station	Regulation under CLM Act not required	-35.34930535	149.2438607
QUEANBEYAN	Former Caltex Depot	20-30 Railway STREET	Other Petroleum	Regulation under CLM Act not required	-35.34218326	149.2253753
QUEANBEYAN	Former Mobil Emoleum Depot	109-111 High STREET	Other Petroleum	Regulation under CLM Act not required	-35.3396115	149.237556
QUEANBEYAN	Former Mobil Service Station	153 Uriarra ROAD	Service Station	Regulation under CLM Act not required	-35.34425514	149.2148687
QUEANBEYAN	Woolworths Queanbeyan Service Station	196 Crawford (Cnr Morisset St) STREET	Service Station	Regulation under CLM Act not required	-35.35163055	149.2335759
QUEANBEYAN EAST	BP-Branded Service Station Queanbeyan	50 Yass ROAD	Service Station	Regulation under CLM Act not required	-35.34126641	149.2445103
QUEANBEYAN WEST	Caltex Service Station	Lanyon Dr Cnr Mccrae St (1 Suraci Place) STREET	Service Station	Regulation under CLM Act not required	-35.36372923	149.2067531
QUIRINDI	Caltex Service Station, Quirindi	199-201 George STREET	Service Station	Regulation under CLM Act not required	-31.5068778	150.6805874
QUIRINDI	Former Mobil Depot Quirindi	4-6 Cross STREET	Other Petroleum	Regulation under CLM Act not required	-31.49903355	150.681972
QUIRINDI	Tamarang ServiCentre Quirindi	113-117 Station (also known as 119-121 Nowland) STREET	Service Station	Regulation under CLM Act not required	-31.50179204	150.6814611
RAMSGATE	Shell Coles Express Service Station	Grand Parade cnr Ramsgate ROAD	Service Station	Regulation under CLM Act not required	-33.98537988	151.1471234
RANDWICK	7-Eleven Service Station	126-130 Barker STREET	Service Station	Contamination currently regulated under CLM Act	-33.92096152	151.2355927

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
RANDWICK	Caltex Service Station	2 Alison ROAD	Service Station	Regulation under CLM Act not required	-33.9065752	151.2320697
RANDWICK	Metro Petroleum	345 Avoca STREET	Service Station	Regulation under CLM Act not required	-33.92544832	151.2396799
RANDWICK	Newmarket Stage 3	Young & Barker STREET	Other Industry	Under assessment	-33.921459	151.237982
RANDWICK	Service Station, Randwick	33-37 Carrington ROAD	Service Station	Contamination currently regulated under CLM Act	-33.90655015	151.2525065
RAVENSWORTH	Cumnock Colliery	Pikes Gully ROAD	Other Industry	Regulation under CLM Act not required	-32.40218281	150.9960082
RAVENSWORTH	Ravensthorpe Operations Narama Mine	Lemington ROAD	Other Industry	Regulation under CLM Act not required	-32.47115903	151.0359579
RAYMOND TERRACE	Caltex Service Station Raymond Terrace	136 Adelaide Street, corner Glenelg STREET	Service Station	Regulation under CLM Act not required	-32.76503842	151.7425264
RAYMOND TERRACE	Former Motor Registry	53 William STREET	Other Petroleum	Regulation under CLM Act not required	-32.76286473	151.7445839
RAYMOND TERRACE	Former Service Station	82 Benjamin Lee DRIVE	Service Station	Regulation being finalised	-32.76079457	151.7738493
RAYMOND TERRACE	Raymond Terrace Wastewater Treatment Works	22 Elizabeth AVENUE	Other Industry	Regulation under CLM Act not required	-32.7745339	151.7498871
RAYMOND TERRACE	Shell Coles Express Raymond Terrace	107 Adelaide (formerly Pacific Highway) STREET	Service Station	Regulation under CLM Act not required	-32.76110922	151.7492847
RAZORBACK	Muscat Developments Pty Ltd	115 Mount View CLOSE	Other Industry	Regulation under CLM Act not required	-34.15859952	150.6328008
REDFERN	BP Service Station	116 Regent STREET	Service Station	Regulation under CLM Act not required	-33.89367876	151.1995256
REDFERN	BP-branded Jasbe Surry Hills	411 Cleveland STREET	Service Station	Regulation under CLM Act not required	-33.89183974	151.2132466
REDFERN	Former Printing Works	101a Marriott STREET	Other Industry	Regulation under CLM Act not required	-33.89512556	151.2113422

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
REDFERN	Surry Hills Shopping Village	397-399 Cleveland & 2-38 Baptist STREET	Other Industry	Regulation under CLM Act not required	-33.89229521	151.2119397
REVESBY	Caltex Service Station Revesby	181 The River ROAD	Service Station	Regulation under CLM Act not required	-33.95573605	151.0171779
REVESBY	Commercial Premises	40 Marigold STREET	Unclassified	Regulation under CLM Act not required	-33.936897	150.998204
REVESBY	Dorf Clark Industries	184-194 Milperra ROAD	Metal Industry	Regulation under CLM Act not required	-33.93387149	151.000553
REVESBY	Mirotone Pty Ltd	21 Marigold STREET	Chemical Industry	Contamination currently regulated under POEO Act	-33.93559608	151.0002207
REVESBY	Thetis Pty Ltd - Bituminous Products	33-35 Violet STREET	Chemical Industry	Contamination currently regulated under CLM Act	-33.93702092	151.0067896
RHODES	Former Allied Feeds site	Walker STREET	Other Industry	Contamination formerly regulated under the CLM Act	-33.82465376	151.0870401
RHODES	Former Glad factory site	10-16 Marquet STREET	Chemical Industry	Regulation under CLM Act not required	-33.82884048	151.0848716
RHODES	Former UCAL site	Walker STREET	Chemical Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.82727505	151.0853195
RHODES	Homebush Bay sediments adjoining former Berger Paint factory	Oulton AVENUE	Chemical Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.83535308	151.083238
RHODES	Homebush Bay Sediments adjoining the former UCAL and Allied Feeds sites	Homebush BAY	Chemical Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.8263749	151.0839216
RICHMOND	Caltex Richmond Service Station	98 March (Cnr East Market St) STREET	Service Station	Regulation under CLM Act not required	-33.59937996	150.7514483
RICHMOND	Western Sydney University	2 College STREET	Unclassified	Regulation under CLM Act not required	-33.6192	150.755816
RIVERSTONE	7-Eleven Riverstone	55 Garfield ROAD	Service Station	Regulation under CLM Act not required	-33.67802232	150.8635246
RIVERSTONE	Axalta Coating Systems	15-23 Melbourne ROAD	Other Industry	Regulation under CLM Act not required	-33.6636649	150.8557519

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
RIVERSTONE	Vacant Commercial Land	88-94 Junction ROAD	Unclassified	Regulation under CLM Act not required	-33.66226398	150.8789967
RIVERSTONE	Woolworths Vineyard Service Station, Riverstone	1 Woodland Street, corner of Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.65607641	150.8724067
RIVERWOOD	7-Eleven Riverwood	30 Bonds ROAD	Service Station	Regulation under CLM Act not required	-33.9523701	151.0583887
ROCKDALE	7-Eleven (former Mobil) Service Station	293 West Botany STREET	Service Station	Regulation under CLM Act not required	-33.94995672	151.1484667
ROCKDALE	7-Eleven Service Station	99 Railway STREET	Service Station	Regulation under CLM Act not required	-33.95247322	151.1356785
ROCKDALE	Lindsay St, Rockdale	7 Lindsay STREET	Other Industry	Under assessment	-33.95900867	151.1436466
ROOTY HILL	7-Eleven (former Mobil) Service Station	106 Rooty Hill Road South ROAD	Service Station	Regulation under CLM Act not required	-33.78036181	150.8501998
ROOTY HILL	7-Eleven (former Mobil) Service Station	1042 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.78214955	150.8287656
ROOTY HILL	Infrabuild NSW Pty Ltd (formerly OneSteel NSW Pty Ltd)	22 Kellogg ROAD	Other Industry	Regulation under CLM Act not required	-33.76664143	150.8493465
ROSE BAY	Caltex Rose Bay Service Station	488 Old South Head ROAD	Service Station	Regulation under CLM Act not required	-33.87475145	151.2723847
ROSE BAY	Rose Bay Budget Service station	638-646 New South Head ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.87062149	151.2677617
ROSEBERY	Autofoil P/L	2 Mentmore AVENUE	Other Industry	Regulation under CLM Act not required	-33.91121318	151.2054882
ROSEBERY	Caltex Rosebery Service Station	321 Gardeners (Cnr Macquarie St) ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.92302898	151.2059541
ROSEBERY	Former Industrial Site (Former Electroplating Facility)	108 Dunning AVENUE	Other Industry	Regulation under CLM Act not required	-33.91630811	151.201557
ROSEBERY	Rosebery Service Station	395 Gardeners ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.92246784	151.2024589

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ROSEHILL	2 Ritchie Street, Rosehill	2 Ritchie STREET	Unclassified	Contamination formerly regulated under the CLM Act	-33.82691192	151.0154948
ROSEHILL	Former Akzo Nobel site	4 Grand AVENUE	Chemical Industry	Contamination currently regulated under CLM Act	-33.82238826	151.0319264
ROSEHILL	James Hardie Australia and former James Hardie lands	8 and 10 Colquhoun Street and 5 Devon STREET	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.82539019	151.0339466
ROSEHILL	James Hardie Factory (former, western portion)	181 James Ruse DRIVE	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.81605834	151.0238145
ROSEHILL	Viva Clyde Western Area	Durham Street, Rosehill (Camellia Peninsula) STREET	Other Petroleum	Regulation under CLM Act not required	-33.824104	151.037338
ROSELANDS	7-Eleven (former Mobil) Service Station	91 Canary's ROAD	Service Station	Regulation under CLM Act not required	-33.93356078	151.0736274
ROSELANDS	Roselands Shopping Centre	24 Roseland AVENUE	Service Station	Regulation under CLM Act not required	-33.93499281	151.0691284
ROSELANDS	Woolworths Caltex Petrol Service Station Roselands	218 King Georges ROAD	Service Station	Regulation under CLM Act not required	-33.93303118	151.0735036
ROSEVILLE	Mobil Service Station	2 Boundary STREET	Service Station	Regulation under CLM Act not required	-33.78769177	151.1796011
ROSEVILLE CHASE	Coles Express Roseville Chase	388 Eastern Valley WAY	Service Station	Regulation under CLM Act not required	-33.78337722	151.1973901
ROZELLE	7-Eleven (former Mobil) Service Station	178-180 (176-184) Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.8630268	151.1680857
ROZELLE	BP Service Station	Corner Darling Street and Thornton STREET	Service Station	Regulation under CLM Act not required	-33.8591647	151.1716591
ROZELLE	Caltex Service Station	121 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.86252996	151.168497
ROZELLE	Kennards Rozelle	15-39 Wellington STREET	Other Petroleum	Regulation under CLM Act not required	-33.86176757	151.1686519
ROZELLE	White Bay Power Station	Robert STREET	Other Industry	Regulation under CLM Act not required	-33.86674636	151.1772204

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
RUFUS RIVER	SA Water Depot - Rufus River	Old Wentworth STREET	Other Petroleum	Regulation under CLM Act not required	-34.04191512	141.2679475
RUSHCUTTERS BAY	d'Albora Marinas	1b New Beach ROAD	Other Industry	Contamination currently regulated under POEO Act	-33.87351297	151.2345082
RUTHERFORD	Caltex Service Station	134-138 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-32.7202589	151.5381526
RUTHERFORD	Former Anambah Landfill	Anambah ROAD	Landfill	Contamination currently regulated under CLM Act	-32.70493978	151.512629
RUTHERFORD	Rutherford Transpacific	11 Kyle STREET	Other Industry	Regulation under CLM Act not required	-32.71105203	151.500311
RUTHERFORD	Shell Coles Express Service Station Rutherford	118 New England HIGHWAY	Service Station	Regulation under CLM Act not required	-32.7208703	151.5394595
RUTHERFORD	Transpacific Industrial Services/Nationwide Oil Pty Ltd	99 Kyle STREET	Chemical Industry	Regulation under CLM Act not required	-32.71262159	151.5013865
RYDALMERE	BP Service Station	265 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.8109483	151.0328101
RYDALMERE	Caltex Service Station	309 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.81196193	151.0371185
RYDALMERE	Hunter Douglas	Victoria ROAD	Chemical Industry	Regulation under CLM Act not required	-33.81009112	151.0384732
RYDALMERE	Mitsubishi Electric	348 Victoria ROAD	Other Industry	Contamination currently regulated under CLM Act	-33.81040138	151.0392812
RYDALMERE	Rheem Australia	1 Alan STREET	Other Industry	Contamination formerly regulated under the CLM Act	-33.81545013	151.0295476
RYDALMERE	United Petroleum (former 7-Eleven) Service Station Rydalmere	262-272 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.81006724	151.032377
RYDE	7-Eleven (former Mobil) Service Station	326-328 Blaxland ROAD	Service Station	Regulation under CLM Act not required	-33.80242183	151.1004278
RYDE	Caltex Service Station	110 Lane Cove ROAD	Service Station	Regulation under CLM Act not required	-33.80142973	151.1137925

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
RYDE	Ryde Bus Depot	51 - 75 Buffalo ROAD	Other Petroleum	Regulation under CLM Act not required	-33.81679771	151.1225255
RYDE	Shell Coles Express Ryde	45 Lane Cove ROAD	Service Station	Regulation under CLM Act not required	-33.80726028	151.109981
SANCTUARY POINT	United Service Station, Sanctuary Point	147 Larmer AVENUE	Service Station	Regulation under CLM Act not required	-35.09918861	150.6329537
SANDGATE	Caltex Service Station Sandgate	162 Maitland ROAD	Service Station	Regulation under CLM Act not required	-32.86501596	151.706161
SANDGATE	North Limited Storage Handling facility	Maitland ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-32.86598453	151.7012866
SANS SOUCI	7-Eleven (Former Mobil) Service Station	474 Rocky Point ROAD	Service Station	Regulation under CLM Act not required	-33.99088939	151.1333779
SANS SOUCI	BP Sans Souci	520 Rocky Point ROAD	Service Station	Contamination currently regulated under CLM Act	-33.99245122	151.1323571
SANS SOUCI	Former 7-Eleven Ramsgate	368 Rocky Point ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.98615125	151.1359961
SANS SOUCI	Former Service Station	542-544 Rocky Point ROAD	Service Station	Contamination was addressed via the planning process (EP&A Act)	-33.99376148	151.1316131
SANS SOUCI	Kendall Street Reserve	Lawson Street and Kendall STREET	Landfill	Regulation under CLM Act not required	-33.99966431	151.13005
SCHOFIELDS	Reserve 478, Grange Avenue, Schofields	Reserve 478, Grange AVENUE	Landfill	Regulation under CLM Act not required	-33.70228736	150.8518591
SCONE	BP - Former Depot	Scone St, Guernsey St & Susan STREET	Service Station	Contamination formerly regulated under the CLM Act	-32.04599284	150.8662046
SCONE	BP Scone	26 Kelly STREET	Service Station	Regulation under CLM Act not required	-32.04033034	150.86549
SCONE	BP Scone Service Station	58 Kelly STREET	Service Station	Contamination currently regulated under CLM Act	-32.0437827	150.8662754
SCONE	Mobil Scone Airport Elt	8 Walter Pye AVENUE	Other Petroleum	Regulation under CLM Act not required	-32.03596733	150.8323698

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SCONE	Scone Works Depot	220 Susan STREET	Other Petroleum	Regulation under CLM Act not required	-32.04444892	150.879152
SCONE	Shell Coles Express Service Station	91- 93 Kelly STREET	Service Station	Contamination currently regulated under CLM Act	-32.04715941	150.8676346
SEVEN HILLS	7-Eleven (Former Mobil) Service Station Seven Hills	151 Prospect HIGHWAY	Service Station	Regulation under CLM Act not required	-33.76894646	150.9427004
SEVEN HILLS	Australia Post	3 Powers ROAD	Unclassified	Regulation under CLM Act not required	-33.77434009	150.9395495
SEVEN HILLS	BP-branded Jasbe Petroleum Service Station	156 Prospect HIGHWAY	Service Station	Regulation under CLM Act not required	-33.76906502	150.9414821
SEVEN HILLS	Caltex Service Station	38 Abbott ROAD	Service Station	Regulation under CLM Act not required	-33.76692649	150.9548271
SEVEN HILLS	Caltex Service Station Seven Hills	105 Station ROAD	Service Station	Regulation under CLM Act not required	-33.77435881	150.9448733
SEVEN HILLS	Car Park (Former Brickworks / Warehouse)	1 Powers ROAD	Other Industry	Regulation under CLM Act not required	-33.77387442	150.9379787
SEVEN HILLS	Former Australian Waste Oil Refineries Site	27 Powers ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-33.77536127	150.9511122
SHELLY BEACH	Former Shelly Beach Landfill	Oaks AVENUE	Landfill	Regulation under CLM Act not required	-33.36700551	151.4913631
SHORTLAND	7-Eleven (Former BP) Service Station	298-302 Sandgate ROAD	Service Station	Regulation under CLM Act not required	-32.8861645	151.6953912
SHORTLAND	Former Astra Street Landfill	2 (part) & 28 (part) Astra STREET	Landfill	Contamination currently regulated under CLM Act	-32.8689426	151.6974685
SHORTLAND	Former Lorna St landfill	8/475 Sandgate ROAD	Landfill	Regulation under CLM Act not required	-32.87888726	151.7023245
SHORTLAND	Shortland Wastewater Treatment Works	Aden STREET	Other Industry	Regulation under CLM Act not required	-32.88228564	151.6819137
SHORTLAND	Tuxford Park landfill	10 King STREET	Landfill	Regulation under CLM Act not required	-32.87721139	151.6936837

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SILVERWATER	Former Printing Facility	46-58 Derby STREET	Other Industry	Regulation under CLM Act not required	-33.83866058	151.0482675
SILVERWATER	Former Silverwater Landfill	Carnarvon ROAD	Landfill	Contamination currently regulated under CLM Act	-33.83506394	151.033214
SILVERWATER	Silverwater Correctional Complex	Holker STREET	Landfill	Regulation under CLM Act not required	-33.83123611	151.0585298
SILVERWATER	Storage Facility	54-58 Derby STREET	Unclassified	Regulation under CLM Act not required	-33.83855869	151.0478649
SILVERWATER	Vacant property	103-105 Silverwater ROAD	Other Industry	Regulation under CLM Act not required	-33.83831374	151.0472576
SILVERWATER	Vittoria	141 Silverwater ROAD	Other Industry	Under assessment	-33.834303	151.048664
SINGLETON	BP Service Station Singleton	53 George (Cnr Macquarie St) STREET	Other Petroleum	Regulation under CLM Act not required	-32.56182325	151.1748054
SINGLETON	Mobil Singleton Airport Elt	74B Range ROAD	Other Petroleum	Regulation under CLM Act not required	-32.60270846	151.1944828
SINGLETON	NSW Mines Rescue Services - Singleton	6 Lachlan AVENUE	Other Industry	Regulation under CLM Act not required	-32.54537821	151.156584
SINGLETON	Putty Saw Mill	(via Singleton) Putty ROAD	Other Industry	Contamination currently regulated under CLM Act	-32.99958725	150.7111684
SINGLETON	Shell Coles Express Service Station	69-73 George STREET	Service Station	Regulation under CLM Act not required	-32.56297156	151.1755215
SINGLETON	Singleton Gasworks	55-57 John STREET	Gasworks	Contamination formerly regulated under the CLM Act	-32.56774715	151.1658188
SMITHFIELD	Caltex Smithfield	16-18 Tait STREET	Service Station	Regulation under CLM Act not required	-33.84596441	150.9435497
SMITHFIELD	Coles Express (former Mobil) Service Station	678 The Horsley Drive, corner Smithfield ROAD	Service Station	Regulation under CLM Act not required	-33.85376154	150.9400104
SMITHFIELD	Former Landfill	Little STREET	Landfill	Contamination being managed via the planning process (EP&A Act)	-33.85025253	150.9411561

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SMITHFIELD	Freestones	1 Hume ROAD	Other Petroleum	Regulation under CLM Act not required	-33.83577694	150.9310112
SMITHFIELD	Liquip International	13 Hume ROAD	Other Industry	Regulation under CLM Act not required	-33.83802635	150.9319034
SOUTH ALBURY	BP Border Service Station	Corner Ebdon Street and Wodonga PLACE	Service Station	Contamination formerly regulated under the CLM Act	-36.08875942	146.9093882
SOUTH BOWENFELS	Shell Coles Express Service Station	Lot 1 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.50589001	150.1238487
SOUTH COOGEE	Caltex South Coogee Service Station	169-173 Malabar ROAD	Service Station	Regulation under CLM Act not required	-33.93233184	151.2574377
SOUTH GRAFTON	Caltex Service Station	Pacific Hwy Cnr Gwyder HIGHWAY	Service Station	Regulation under CLM Act not required	-29.70739015	152.9425508
SOUTH GRAFTON	Former Caltex Depot South Grafton	72-82 Swallow ROAD	Other Petroleum	Regulation under CLM Act not required	-29.73168549	152.944024
SOUTH GRAFTON	Former Caltex Service Station	46-58 Schwinghammer STREET	Service Station	Regulation under CLM Act not required	-29.71149672	152.9453337
SOUTH GRAFTON	Former United (former Mobil) Service Station	Corner Pacific Highway and Charles STREET	Service Station	Regulation under CLM Act not required	-29.70814828	152.9412928
SOUTH GRAFTON	Shell Coles Express Service Station	91 Bent STREET	Service Station	Regulation under CLM Act not required	-29.70605829	152.9400329
SOUTH GRANVILLE	Enhance Service Station South Granville	2 Rawson ROAD	Service Station	Regulation under CLM Act not required	-33.86366193	151.0088768
SOUTH KEMPSEY	Caltex Service Station	52 Lachlan STREET	Service Station	Regulation under CLM Act not required	-31.09361084	152.8370796
SOUTH LISMORE	Caltex Service Station	237 Union STREET	Service Station	Regulation under CLM Act not required	-28.82052708	153.2648111
SOUTH LISMORE	Former Mobil Depot	26-32 Phyllis STREET	Other Petroleum	Regulation under CLM Act not required	-28.81005206	153.2660073
SOUTH LISMORE	Former Mobil Service Station	126 - 128 Union STREET	Service Station	Regulation under CLM Act not required	-28.81242175	153.267541

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SOUTH LISMORE	North Coast Petroleum (Former Mobil) Depot Lismore	19-21 Elliot ROAD	Other Petroleum	Regulation under CLM Act not required	-28.81212046	153.2661935
SOUTH MURWILLUMBAH	Caltex Service Station	1-7 Buchanan (Cnr Tweed Valley Way) STREET	Service Station	Regulation under CLM Act not required	-28.32687988	153.4093274
SOUTH MURWILLUMBAH	Former Caltex Depot	39 Lundberg DRIVE	Service Station	Regulation under CLM Act not required	-28.332622	153.4212884
SOUTH MURWILLUMBAH	Former Mobil Depot	45 Wardrop STREET	Other Petroleum	Regulation under CLM Act not required	-28.33421395	153.3993772
SOUTH NOWRA	Caltex South Nowra	100 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.90516081	150.6029621
SOUTH PENRITH	7-Eleven Service Station	45 Aspen STREET	Service Station	Regulation under CLM Act not required	-33.77727694	150.7107228
SOUTH TAMWORTH	Caltex Service Station	2 Kathleen Street, corner Kent STREET	Service Station	Regulation under CLM Act not required	-31.10361712	150.9186343
SOUTH TAMWORTH	Coles Express Tamworth	251 - 253 Goonoo Goonoo ROAD	Service Station	Contamination currently regulated under CLM Act	-31.1118945	150.9228523
SOUTH WENTWORTHVILLE	Aldi Stores Development	331-339 Great Western HIGHWAY	Metal Industry	Regulation under CLM Act not required	-33.81605854	150.9697429
SOUTH WENTWORTHVILLE	Caltex Service Station	313 Great Western HIGHWAY	Service Station	Regulation under CLM Act not required	-33.81643692	150.9718802
SOUTH WEST ROCKS	Former Shell Trial Bay Depot	Phillip DRIVE	Other Industry	Regulation under CLM Act not required	-30.89273836	153.0612772
SOUTH WEST ROCKS	Former Trial Bay Caltex Depot	Phillip DRIVE	Other Petroleum	Under assessment	-30.89190078	153.0573056
SOUTH WEST ROCKS	Residential area and Reserve opposite Former Caltex terminal	Phillip DRIVE	Other Petroleum	Regulation under CLM Act not required	-30.89172594	153.0573164
SPRINGVALE	Springvale Colliery	Castlereagh HIGHWAY	Other Industry	Regulation under CLM Act not required	-33.40334736	150.1070462
ST CLAIR	7-Eleven (former Mobil) Service Station	4 Endeavour AVENUE	Service Station	Regulation under CLM Act not required	-33.79430926	150.7885793

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ST IVES	7-Eleven (former Mobil) St Ives Service Station	157-159 Mona Vale Road, corner Putarri AVENUE	Service Station	Regulation under CLM Act not required	-33.73265301	151.1563899
ST IVES	Caltex Service Station	452 Mona Vale ROAD	Service Station	Regulation under CLM Act not required	-33.70752272	151.187545
ST IVES	Caltex Service Station	164 Mona Vale ROAD	Service Station	Regulation under CLM Act not required	-33.7307595	151.1570462
ST IVES	Caltex Service Station St Ives	363 Mona Vale ROAD	Service Station	Regulation under CLM Act not required	-33.7168971	151.1735263
ST IVES	Shell Service Station	179-181 Mona Vale ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.73124859	151.1575827
ST LEONARDS	Telstra Data Centre	4A Herbert STREET	Other Petroleum	Regulation under CLM Act not required	-33.81873741	151.1914222
ST MARYS	7-Eleven (former Mobil) Service Station	2 Christie STREET	Service Station	Regulation under CLM Act not required	-33.74790843	150.7767667
ST MARYS	7-Eleven (former Mobil) Service Station	2 Wilson STREET	Service Station	Regulation under CLM Act not required	-33.77790415	150.771689
ST MARYS	Caltex St Marys Service Station	Wordoo St Cnr Forrester ROAD	Service Station	Regulation under CLM Act not required	-33.75334263	150.7755489
ST MARYS	Chemcolour Industries	19-25 Anne STREET	Chemical Industry	Regulation under CLM Act not required	-33.75027071	150.7725397
ST MARYS	Former Dry Cleaning Location	1-7 Queen STREET	Other Industry	Under assessment	-33.76223376	150.774412
ST MARYS	Former Woolworths Service Station	120-128 Forrester ROAD	Service Station	Regulation under CLM Act not required	-33.75525115	150.7752897
ST MARYS	Integral Energy Mt Druitt Transmission Substation	69 Kurrajong North ROAD	Other Industry	Regulation under CLM Act not required	-33.76376093	150.7921691
ST MARYS	Solveco	38 LINKS ROAD	Other Industry	Contamination currently regulated under CLM Act	-33.73875413	150.7716457
ST MARYS	St Mary's Shopping Village	10 Charles Hackett DRIVE	Other Industry	Regulation under CLM Act not required	-33.76647672	150.7710143

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
ST PETERS	BP Express Service Station	2 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-33.90982281	151.1809936
ST PETERS	Burrows Industrial Estate	1-3 Burrows ROAD	Landfill	Regulation under CLM Act not required	-33.91814763	151.1789035
ST PETERS	Camdenville Park	May STREET	Other Industry	Regulation under CLM Act not required	-33.90911815	151.176951
ST PETERS	Cooks River Rail Terminal	20 Canal ROAD	Unclassified	Regulation under CLM Act not required	-33.91943986	151.1726689
ST PETERS	Former Industrial Manufacturing Facility (Taubman's Paints)	75 Mary STREET	Other Industry	Regulation under CLM Act not required	-33.91307297	151.1731383
ST PETERS	Former Tidyburn Facility	53 Barwon Park ROAD	Chemical Industry	Contamination formerly regulated under the CLM Act	-33.9130091	151.1809912
STANMORE	125 Corunna Road	125 Corunna ROAD	Unclassified	Regulation under CLM Act not required	-33.88937382	151.1644589
STOCKTON	Former Coroba Landfill	310 Fullerton STREET	Landfill	Regulation under CLM Act not required	-32.89578751	151.7898857
STRATHFIELD	7-Eleven (former Mobil) Service Station	577 Liverpool ROAD	Service Station	Regulation under CLM Act not required	-33.88736091	151.0743474
STRATHFIELD SOUTH	7-23 Water Street, Strathfield South	7-23 Water STREET	Landfill	Regulation under CLM Act not required	-33.895928	151.082037
STRATHFIELD SOUTH	Former Landfill Site	7-9 Dunlop STREET	Landfill	Regulation under CLM Act not required	-33.89509698	151.0796751
STROUD	Stroud Fuel Supplies (Former Caltex) Service Station	1 Cowper STREET	Service Station	Regulation under CLM Act not required	-32.39092749	151.9563089
SUFFOLK PARK	BP Service Station	207-209 Broken Head ROAD	Service Station	Regulation under CLM Act not required	-28.68800088	153.6083821
SUFFOLK PARK	Suffolk Park dip site	Cnr Broken Head Road & Beech DRIVE	Cattle Dip	Regulation under CLM Act not required	-28.6874242	153.6072824
SUMMER HILL	Maurice Dry Cleaners	150 Smith STREET	Other Industry	Under assessment	-33.89191012	151.1372942

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SURRY HILLS	Ausgrid Road Reserve	Mary STREET	Other Industry	Regulation under CLM Act not required	-33.88292195	151.2095176
SURRY HILLS	Former Legion Cabs (Trading) Cooperative	81 & 81A (Formerly 69 - 81) Foveaux STREET	Service Station	Regulation under CLM Act not required	-33.88470082	151.2107944
SURRY HILLS	Woolworths Petrol Surry Hills	475 Cleveland STREET	Service Station	Regulation under CLM Act not required	-33.89223271	151.2161434
SUTHERLAND	7-Eleven Service Station	693 Old Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.02976735	151.0588789
SUTHERLAND	United Service Station and Sutherland Reservoir	1 to 3 Oxford STREET	Service Station	Contamination currently regulated under CLM Act	-34.029532	151.0579906
SUTTON FOREST	Coles Express Sutton Forest West	Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-34.60808989	150.2250592
SWANSEA	Caltex Service Station	126 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.08811841	151.6381764
SWANSEA	Swansea 1 - Wastewater Pumping Station	137 and 137a Northcote AVENUE	Other Industry	Regulation under CLM Act not required	-33.09733813	151.6473669
SYDENHAM	SRA Land	117 Railway PARADE	Other Industry	Regulation under CLM Act not required	-33.91560723	151.1656846
SYDENHAM	Sydenham XPT Maintenance Facility	Way STREET	Other Industry	Regulation under CLM Act not required	-33.91698468	151.1614089
SYDNEY	Chifley Tower (basement fuel storage area)	2 Chifley SQUARE	Other Petroleum	Regulation under CLM Act not required	-33.8659151	151.2117496
SYDNEY	Eurostar Dry Cleaners	100 Oxford STREET	Chemical Industry	Regulation under CLM Act not required	-33.8792987	151.2156647
SYDNEY	Interpro House (OSP 46581)	447 Kent STREET	Other Petroleum	Regulation under CLM Act not required	-33.87225413	151.204761
SYDNEY OLYMPIC PARK	Aquatic Centre Carpark Landfill	Shane Gould AVENUE	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.85153457	151.0678127
SYDNEY OLYMPIC PARK	Bicentennial Park	Bicentennial DRIVE	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.84456248	151.0788116

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
SYDNEY OLYMPIC PARK	Blaxland Common Landfill	Jamieson STREET	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.82638382	151.05972
SYDNEY OLYMPIC PARK	Former Golf Driving Range Landfill	Sarah Durack AVENUE	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.85358517	151.0713987
SYDNEY OLYMPIC PARK	Haslams Creek South Area 3	At Kronos Hill, Kevin Coombes AVENUE	Landfill	Contamination formerly regulated under the CLM Act	-33.84113059	151.0602966
SYDNEY OLYMPIC PARK	Kronos Hill Landfill	Kevin Coombes AVENUE	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.84014442	151.0649521
SYDNEY OLYMPIC PARK	RMS Western Precinct	14A-14E and 16 Hill ROAD	Other Petroleum	Regulation under CLM Act not required	-33.82239777	151.0758664
SYDNEY OLYMPIC PARK	Wilson Park (Former oil gas plant site)	Newington ROAD	Gasworks	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.82623982	151.0536833
SYDNEY OLYMPIC PARK	Woo-la-ra Landfill	Hill ROAD	Landfill	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.82695807	151.07282
SYLVANIA	Caltex Service Station	61 Port Hacking ROAD	Service Station	Regulation under CLM Act not required	-34.0140089	151.104212
SYLVANIA HEIGHTS	Ampol Service Station (former Caltex) - Sylvania Heights	414-416 Princes HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-34.02361051	151.0895394
TALBINGO	Former grit blasting site	Old Damsite ROAD	Other Industry	Regulation under CLM Act not required	-35.60894551	148.3030165
TALBINGO	Old Town Landfill	Bridle STREET	Landfill	Regulation under CLM Act not required	-35.59018237	148.3041771
TALBINGO	T3 Spoil dump and adjoining river sediments	Off Snowy Mountains HIGHWAY	Landfill	Contamination formerly regulated under the CLM Act	-35.6177268	148.2926158
TALLAWANG	Rail Corridor at Tallawang	Whistons LANE	Other Industry	Under assessment	-32.211829	149.476697
TAMINDA	Cleanaway Operations Pty Ltd	31 Gunnedah ROAD	Other Industry	Regulation being finalised	-31.09621029	150.9051567
TAMINDA	Cummins South Pacific Pty Ltd	141 Gunnedah ROAD	Other Petroleum	Regulation under CLM Act not required	-32.211829	149.476697

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TAMINDA	Mobil Depot	9 Hinkler ROAD	Other Petroleum	Regulation under CLM Act not required	-31.09584286	150.9040493
TAMINDA	Taminda Depots and Adjacent Areas	27-29 Gunnedah ROAD	Other Petroleum	Regulation being finalised	-31.09642128	150.9058193
TAMWORTH	BP Viaduct	190 Peel STREET	Service Station	Under assessment	-31.08521	150.925337
TAMWORTH	Caltex Star Tamworth	21 White STREET	Service Station	Regulation under CLM Act not required	-31.09255137	150.9341709
TAMWORTH	Caltex Tamworth Service Station	109 Gunnedah ROAD	Service Station	Regulation under CLM Act not required	-31.09723226	150.8955299
TAMWORTH	Curlew Crescent	19-29 Curlew CRESCENT	Metal Industry	Regulation under CLM Act not required	-31.06963607	150.9069306
TAMWORTH	Elgas Depot (former gasworks)	115 Marius STREET	Gasworks	Regulation under CLM Act not required	-31.08546191	150.926437
TAMWORTH	Elovera Former Sheep Dip	730 Ascot Calala ROAD	Cattle Dip	Regulation under CLM Act not required	-31.1801846	150.962897
TAMWORTH	Former Mobil Service Station	373-375 Armidale ROAD	Service Station	Regulation under CLM Act not required	-31.10122679	150.9441341
TAMWORTH	Former Service Station Tamworth	(Cnr Scott Rd) 254-256 Goonoo Goonoo ROAD	Service Station	Regulation under CLM Act not required	-31.1118945	150.9228523
TAMWORTH	Former Service Station, Fitzpatrick Super Fund, Tamworth	210 Goonoo Goonoo ROAD	Service Station	Regulation under CLM Act not required	-31.10613594	150.9234143
TAMWORTH	Gunnedah Road Site	49 GUNNEDAH ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-31.09574904	150.9021583
TAMWORTH	Housing NSW	29 -33 White STREET	Other Petroleum	Regulation under CLM Act not required	-31.0915651	150.9357811
TAMWORTH	Kensell's Mitsubishi	11-14 Kable AVENUE	Other Petroleum	Regulation under CLM Act not required	-31.08921565	150.9273063
TAMWORTH	Proposed ALDI Store Tamworth	194-196 Peel STREET	Other Industry	Regulation under CLM Act not required	-31.08522053	150.9260054

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TARAGO	Tarago former Station Masters Cottage	106 Goulburn STREET	Landfill	Contamination currently regulated under CLM Act	-35.06938653	149.6521178
TARAGO	Tarago Railway Siding	Goulburn STREET	Other Industry	Contamination currently regulated under CLM Act	-35.0695949	149.6516166
TARCUTTA	Mobil Service Station	(Hume Highway) 32 Sydney STREET	Service Station	Contamination formerly regulated under the CLM Act	-35.2772942	147.73574
TAREE	20 Pitt Street, Taree	20 Pitt STREET	Other Petroleum	Under assessment	-31.904006	152.482089
TAREE	Caltex Service Station	104-106 Commerce STREET	Service Station	Regulation under CLM Act not required	-31.90720519	152.4500926
TAREE	Caltex Taree	12 Pitt STREET	Service Station	Regulation under CLM Act not required	-31.90551738	152.4783334
TAREE	Footpath in front of the former BP service station	53-55 Victoria STREET	Service Station	Regulation under CLM Act not required	-31.91015653	152.4659073
TAREE	Former BP Service Station (Reliance Petroleum)	150 Manning River DRIVE	Service Station	Regulation under CLM Act not required	-31.93842026	152.4682056
TAREE	Former Caltex Depot	44 Stevenson STREET	Other Petroleum	Regulation under CLM Act not required	-31.90563595	152.4640848
TAREE	Former Shell Depot	53-55 Stevenson STREET	Other Petroleum	Regulation under CLM Act not required	-31.90514622	152.4649706
TAREE	United Service Station and Former Mobil Depot	85 Muldoon Street, corner Grey Gum ROAD	Service Station	Regulation under CLM Act not required	-31.89744109	152.4508569
TAREN POINT	Caltex Service Station	114 Taren Point ROAD	Service Station	Regulation under CLM Act not required	-34.02065958	151.1218938
TAREN POINT	Former manufacturing site	46-50 Bay ROAD	Other Industry	Regulation under CLM Act not required	-34.0236184	151.1231649
TAREN POINT	Former Oyster Farm	Part 2R Alexander Avenue and part 98 Woodlands ROAD	Other Industry	Contamination was addressed via the planning process (EP&A Act)	-34.01714802	151.1252694
TAREN POINT	Former Oyster Farmer	1A Atkinson ROAD	Other Industry	Regulation under CLM Act not required	-34.02081803	151.1283282

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TAREN POINT	Mangrove Lane Cycle pathway	Mangrove LANE	Unclassified	Regulation under CLM Act not required	-34.02404025	151.1324783
TAREN POINT	Redevelopment Site	25 Bay ROAD	Landfill	Regulation under CLM Act not required	-34.02119591	151.1274727
TAREN POINT	Shell Coles Express Service Station	99-103 Parraweena ROAD	Service Station	Regulation under CLM Act not required	-34.02630233	151.1200897
TELARAH	ACIRL	5 Junction STREET	Other Industry	Regulation under CLM Act not required	-32.73457183	151.5400128
TELARAH	Former Ausgrid Depot	Green STREET	Other Industry	Regulation under CLM Act not required	-32.7276446	151.5269745
TEMORA	Former Temora Roundhouse	Corner Victoria and Camp STREET	Unclassified	Regulation under CLM Act not required	-34.45074538	147.5295383
TEMORA	Woolworths Caltex Temora	98-100 Hoskins STREET	Service Station	Regulation under CLM Act not required	-34.44324584	147.5318667
TEMPE	Caltex Service Station	775 Princes HIGHWAY	Service Station	Contamination currently regulated under CLM Act	-33.9253681	151.1596532
TEMPE	Former Tempe Tip	South STREET	Landfill	Contamination currently regulated under CLM Act	-33.92558642	151.1667178
TEMPE	Railcorp Site Renwick Street	Renwick STREET	Other Industry	Regulation under CLM Act not required	-33.91997709	151.1576058
TEMPE	Tempe Depot	1a Gannon STREET	Other Petroleum	Regulation under CLM Act not required	-33.92408255	151.1596469
TENTERFIELD	United Tenterfield Service Station	94 Rouse STREET	Service Station	Regulation under CLM Act not required	-29.06260969	152.0168305
TERALBA	Lake Macquarie Teralba Sanitary Depot	Griffen ROAD	Landfill	Regulation under CLM Act not required	-32.9372059	151.6214528
TERALBA	Lucky's Scrap Metal Yard	21 Racecourse ROAD	Metal Industry	Contamination currently regulated under CLM Act	-32.946854	151.617115
TERANIA CREEK	Former Izzards Cattle Tick Dip	Wallace ROAD	Cattle Dip	Contamination formerly regulated under the CLM Act	-28.64999469	153.2788615

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
THE ENTRANCE NORTH	The Entrance North Beach (Crown Reserve)	25CR Hargraves STREET	Landfill	Regulation under CLM Act not required	-33.33770829	151.5050033
THE ROCKS	Dawes Point Park	Hickson ROAD	Other Industry	Regulation under CLM Act not required	-33.85518053	151.2089319
THIRLMERE	Thirlmere Rail Heritage Museum	10 Barbour ROAD	Other Industry	Regulation under CLM Act not required	-34.20689245	150.5693902
THORNLEIGH	Caltex Thornleigh Service Station	192-198 Pennant Hills (Cnr Duffy Ave) ROAD	Service Station	Regulation under CLM Act not required	-33.72660793	151.08364
THORNLEIGH	Coles Express Service Station Thornleigh	188 - 190 Pennant Hills ROAD	Service Station	Regulation under CLM Act not required	-33.72502184	151.0850569
THORNTON	Energy Australia Thornton Pole Yard	55 Weakleys DRIVE	Other Industry	Regulation under CLM Act not required	-32.79973875	151.6374998
TIGHES HILL	Former Ampol Depot	94 Elizabeth STREET	Other Petroleum	Regulation under CLM Act not required	-32.90658137	151.757239
TIGHES HILL	Former Mobil Terminal	110 Elizabeth STREET	Other Petroleum	Contamination formerly regulated under the CLM Act	-32.90600406	151.7586907
TIGHES HILL	Holcim Australia Cement Batching Plant	340 Industrial DRIVE	Other Industry	Regulation under CLM Act not required	-32.90532418	151.7574857
TIGHES HILL	SRA Land	73 Elizabeth STREET	Unclassified	Regulation under CLM Act not required	-32.90795794	151.754631
TOCUMWAL	Former Mobil Depot	250 Murray STREET	Other Petroleum	Regulation under CLM Act not required	-35.79180653	145.5648214
TOCUMWAL	Former Mobil Depot	79-83 Deniliquin ROAD	Other Petroleum	Regulation under CLM Act not required	-35.80914914	145.5585528
TOMAGO	Balcombe Sweat Furnace	26 Laverick AVENUE	Metal Industry	Regulation under CLM Act not required	-32.82557395	151.7056416
TOMAGO	Former Hydromet Site	25 School DRIVE	Metal Industry	Under assessment	-32.8301553	151.7300603
TOMAGO	RZM Site - Tomago	1877 Pacific HIGHWAY	Other Industry	Regulation under CLM Act not required	-32.81419433	151.6985159

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TOMERONG	Log Cabin Service Station (United Petroleum)	D1300 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-35.01820959	150.5779687
TOONGABBIE	7-Eleven (Former Mobil) Service Station Toongabbie	3 Metella ROAD	Service Station	Regulation under CLM Act not required	-33.78692357	150.9462837
TOORMINA	Caltex Service Station	2 Minorca PLACE	Service Station	Regulation under CLM Act not required	-30.35229568	153.0906606
TORONTO	155B Brighton Avenue, Toronto NSW 2283	155B Brighton AVENUE	Other Industry	Regulation under CLM Act not required	-33.0149011	151.5997613
TORONTO	BP Toronto Service Station	132 Cary (Cnr Donnelly Ave) STREET	Service Station	Regulation under CLM Act not required	-33.01144673	151.5937863
TORONTO	Caltex Service Station	147 Cary STREET	Service Station	Regulation under CLM Act not required	-33.01288007	151.5928388
TORONTO	Coles XP (Former Mobil) Toronto Service Station	133 - 137 Cary (Cnr Thorne St) STREET	Service Station	Regulation under CLM Act not required	-33.01187681	151.5930879
TORONTO	Toronto Hotel	74 Victory PARADE	Unclassified	Regulation under CLM Act not required	-33.01214835	151.5958127
TOUKLEY	7-Eleven Australia	287 Main ROAD	Service Station	Regulation under CLM Act not required	-33.26469166	151.5462414
TOUKLEY	Former Shell Toukley Autoport	211 Main ROAD	Service Station	Regulation under CLM Act not required	-33.26383791	151.5386268
TOUKLEY	Lot 6 & 8, DP25876	5-7 Main Road ROAD	Service Station	Under assessment	-33.262751	151.522666
TRANGIE	Caltex Service Station	(Mitchell Hwy) 76 Narromine STREET	Service Station	Regulation under CLM Act not required	-32.03234676	147.985164
TUGGERAH	BP Tuggerah	100 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.30578167	151.4198083
TUMBARUMBA	Former Caltex Depot	150 Albury STREET	Other Petroleum	Regulation under CLM Act not required	-35.77024081	147.9927182
TUMBI UMBI	Former Tumbi Landfill	140 Bellevue ROAD	Landfill	Regulation under CLM Act not required	-33.3993472	151.456471

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TUMUT	CSR Blue Dam	Jepsen AVENUE	Other Industry	Regulation under CLM Act not required	-35.30098337	148.1958308
TUMUT	CSR Railway cutting	Jepsen AVENUE	Unclassified	Regulation under CLM Act not required	-35.30422002	148.1942579
TUMUT	Former Telstra Depot	22-26 Carey STREET	Other Industry	Regulation under CLM Act not required	-35.29873079	148.2191122
TUNCESTER	Asbestos Waste Burial Site	13 Rifle Range ROAD	Other Industry	Contamination currently regulated under CLM Act	-28.79939255	153.2193708
TUROSS HEAD	Tern Inn Restaurant (abandoned UPSS)	2 Trafalgar ROAD	Service Station	Regulation under CLM Act not required	-36.05871059	150.1308443
TURRAMURRA	7-Eleven (former Mobil) Service Station Turramurra	1408 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.73326389	151.1264194
TURRAMURRA	Woolworths Service Station	1233 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.73317594	151.1313195
TURRELLA	Tulloch Australia Pty Ltd	61 Turrella STREET	Chemical Industry	Contamination currently regulated under CLM Act	-33.92857213	151.1475387
TWEED HEADS	Former Mobil Quix Service Station	60 MINJUNGBAL DRIVE	Service Station	Contamination formerly regulated under the CLM Act	-28.20143775	153.5445381
TWEED HEADS	Francis Street Road Reserve adjacent to 79-81 Wharf Street, Tweed Heads	79-81 Wharf STREET	Other Petroleum	Regulation under CLM Act not required	-28.17351959	153.542262
TWEED HEADS	Tweed Heads Slipway	8 Terranora TERRACE	Landfill	Under assessment	-28.18052246	153.5416407
TWEED HEADS SOUTH	Coles Express Service Station	Corner Minjungbal Drive and Heffron STREET	Service Station	Regulation under CLM Act not required	-28.19459987	153.5419978
TWEED HEADS SOUTH	Former BP Depot	142 Minjungbal DRIVE	Other Petroleum	Regulation under CLM Act not required	-28.20860702	153.5455932
TWEED HEADS SOUTH	Woolworths Plus Petrol	98-102 Pacific (100 Minjungbal Drive) HIGHWAY	Service Station	Regulation under CLM Act not required	-28.20488521	153.5448675
TWEED HEADS WEST	Caltex Service Station	96 to 98 Kennedy DRIVE	Service Station	Regulation under CLM Act not required	-28.1871486	153.5229866

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
TYAGARAH	Tyagarah Airstrip	25 Staceys WAY	Other Petroleum	Regulation under CLM Act not required	-28.59511995	153.546834
ULAN	Ulan Coal Mine	4505 Ulan ROAD	Other Industry	Regulation under CLM Act not required	-32.25620603	149.7558075
ULLADULLA	Caltex Service Station	62A Deering Street, corner Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-35.36276828	150.473578
ULLADULLA	Coles Express Ulladulla	153 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-35.36288274	150.47272
ULLADULLA	Woolworths Petrol Station	155-157 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-35.36316263	150.4725668
ULTIMO	Shell Coles Express Service Station	387-429 Wattle STREET	Service Station	Regulation under CLM Act not required	-33.88138825	151.1966791
UNANDERRA	7-Eleven Unanderra	41-43 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.45056105	150.8490833
UNANDERRA	BlueScope Stainless Steel	13 Marley PLACE	Metal Industry	Contamination currently regulated under CLM Act	-34.44959798	150.8571632
UNANDERRA	Caltex Service Station	86-98 Princes HIGHWAY	Service Station	Regulation under CLM Act not required	-34.45414951	150.845165
UNANDERRA	DGL Environmental Pty Ltd	201 Five Islands ROAD	Metal Industry	Under assessment	-34.45384578	150.8552253
UNANDERRA	Endeavour Energy Springhill Field Service Centre	195 Five Island ROAD	Other Industry	Regulation under CLM Act not required	-34.45837706	150.8598825
UNANDERRA	Former Prime Service Station and adjoining lands	41-49 Princes HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-34.45056105	150.8490833
UNANDERRA	Unanderra Weekend Detention Centre	34-40 Lady Penryhn DRIVE	Landfill	Regulation under CLM Act not required	-34.4620226	150.8473821
UNANDERRA	Veolia Environmental Services	9 Waynote PLACE	Other Industry	Regulation under CLM Act not required	-34.46042393	150.863232
URALLA	Caltex Service Station	103 Bridge STREET	Service Station	Regulation under CLM Act not required	-30.64524911	151.4934484

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
URALLA	Phoenix Foundry	44 Duke STREET	Metal Industry	Regulation under CLM Act not required	-30.65093272	151.5004479
URANQUINTY	Former Caltex Depot Kapooka (Wagga Wagga)	6876 Olympic (Uranquinty Rd) HIGHWAY	Service Station	Regulation under CLM Act not required	-35.15319793	147.3085469
URUNGA	Former Antimony Process plant	Hillside DRIVE	Chemical Industry	Contamination currently regulated under CLM Act	-30.50422942	153.0132011
VALENTINE	BP Express Service Station	855 Macquarie DRIVE	Service Station	Regulation under CLM Act not required	-33.00801109	151.6425806
VALENTINE	Valentine Public School	Tallawalla ROAD	Unclassified	Regulation under CLM Act not required	-33.0091613	151.6423231
VALLA	BP Nambucca Heads (Travel Centre and Truckstop)	2 Corkwood ROAD	Other Industry	Regulation under CLM Act not required	-30.62648768	152.9727148
VILLAWOOD	Ettason Villawood Site	2A Birmingham AVENUE	Chemical Industry	Regulation under CLM Act not required	-33.87877335	150.9827722
VILLAWOOD	Former Defence Site	29 Biloela STREET	Landfill	Regulation under CLM Act not required	-33.88782978	150.9886275
VILLAWOOD	Former Electrical Component Manufacturer	66 Christina ROAD	Other Industry	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.88018315	150.9838773
VILLAWOOD	Former Orica Crop Care	2 Christina ROAD	Chemical Industry	Contamination formerly regulated under the CLM Act	-33.880329	150.9896329
VILLAWOOD	Former Siemens/Westinghouse	49 Miowera ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-33.87641909	150.9836746
VILLAWOOD	Former Toll Site	110A Christina ROAD	Other Industry	Regulation under CLM Act not required	-33.87919117	150.9812193
VILLAWOOD	PPG Industries	9 Birmingham AVENUE	Chemical Industry	Regulation under CLM Act not required	-33.87800757	150.9887929
VINEYARD	Shell Coles Express Service Station	731 Windsor ROAD	Service Station	Regulation under CLM Act not required	-33.65780463	150.8753245
WAGGA WAGGA	Ashmont Autoport	Cnr Tobruk Street and Bardia STREET	Service Station	Regulation under CLM Act not required	-35.12517373	147.329919

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WAGGA WAGGA	BP Wagga Wagga	180 Edward STREET	Service Station	Regulation under CLM Act not required	-35.11850802	147.3639619
WAGGA WAGGA	Caltex (former Mobil) Service Station	106 Edward STREET	Service Station	Regulation under CLM Act not required	-35.11910909	147.3682364
WAGGA WAGGA	Caltex Service Station	56 - 60 Docker St STREET	Service Station	Regulation under CLM Act not required	-35.11737947	147.3558145
WAGGA WAGGA	Caltex Service Station	170 Fitzmaurice STREET	Service Station	Regulation under CLM Act not required	-35.10289587	147.3679002
WAGGA WAGGA	Coles Express Wagga Wagga	353-355 Edward STREET	Service Station	Regulation under CLM Act not required	-35.11606625	147.3509339
WAGGA WAGGA	Former BP Service Station	31 Bourke STREET	Service Station	Regulation under CLM Act not required	-35.12626628	147.3547199
WAGGA WAGGA	Former Caltex Depot	60 Lake Albert DRIVE	Service Station	Regulation under CLM Act not required	-35.12316794	147.37724
WAGGA WAGGA	Former Caltex Service Station	343 Hammond AVENUE	Service Station	Regulation under CLM Act not required	-35.12420793	147.4157959
WAGGA WAGGA	Former Dry Cleaning Facility	183 Fitzmaurice STREET	Other Industry	Contamination currently regulated under CLM Act	-35.10209987	147.3683852
WAGGA WAGGA	Former Gasworks	54 Chaston STREET	Gasworks	Ongoing maintenance required to manage residual contamination (CLM Act)	-35.12262069	147.3482778
WAGGA WAGGA	Former Gasworks	Cnr Tarcutta Street and Cross STREET	Gasworks	Ongoing maintenance required to manage residual contamination (CLM Act)	-35.10871183	147.3737933
WAGGA WAGGA	Former Iron Foundry	212-230 Hammond STREET	Metal Industry	Regulation under CLM Act not required	-35.12605478	147.4045461
WAGGA WAGGA	Former Mobil Depot Wagga Wagga	97-99 Coleman STREET	Other Petroleum	Regulation under CLM Act not required	-35.12173871	147.3576651
WAGGA WAGGA	Former Wiradjuri landfill	Narrung STREET	Landfill	Regulation under CLM Act not required	-35.09628532	147.3619535
WAHROONGA	7-Eleven Service Station	1579 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.71974617	151.1168106

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WAHROONGA	Coles Express Wahroonga	1601 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.71945571	151.1163002
WAITARA	Caltex Service Station	59-61 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.71064349	151.1024644
WALGETT	Former Shell Depot	Castlereagh HIGHWAY	Other Petroleum	Regulation under CLM Act not required	-30.00861179	148.1239938
WALLERAWANG	Lidsdale Coal Loading Facility	Main STREET	Other Industry	Regulation under CLM Act not required	-33.39996523	150.0737717
WALLERAWANG	Wallerawang Power Station	1 Main STREET	Other Petroleum	Regulation under CLM Act not required	-33.40339296	150.0855101
WALLSEND	Ausgrid Wallsend Depot	Abbott STREET	Other Industry	Regulation under CLM Act not required	-32.90162796	151.6857267
WALLSEND	Caltex Maryland Service Station Wallsend	41 Minmi ROAD	Service Station	Regulation under CLM Act not required	-32.88967866	151.6619253
WALLSEND	Cnr of Douglas Street and 111 Newcastle Road Wallsend	111 Newcastle ROAD	Metal Industry	Regulation under CLM Act not required	-32.90416617	151.6832227
WALLSEND	Coles Express Wallsend East	15 Thomas STREET	Service Station	Regulation under CLM Act not required	-32.90719444	151.6693426
WALLSEND	OneSteel Recycling	64-80 Sandgate ROAD	Metal Industry	Regulation under CLM Act not required	-32.89425477	151.6799648
WAMBERAL	Caltex Service Station	654 The Entrance ROAD	Service Station	Regulation under CLM Act not required	-33.42338668	151.4375685
WANGI WANGI	Myuna Colliery	Wangi Point ROAD	Other Industry	Regulation under CLM Act not required	-33.06139532	151.5697186
WARATAH	Waratah Area Health	Turton ROAD	Unclassified	Regulation under CLM Act not required	-32.90961233	151.7260867
WARATAH	Waratah former Gasworks	Turton and Georgetown ROADS	Gasworks	Contamination currently regulated under CLM Act	-32.90591166	151.7272715
WARDELL	Nancy's Cattle Dip, Thurgates Lane, Wardell	Thurgates LANE	Cattle Dip	Regulation under CLM Act not required	-28.9540212	153.4274874

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WARILLA	Woolworths Petrol Warilla	43 -57 Shellharbour ROAD	Service Station	Regulation under CLM Act not required	-34.5470966	150.863748
WARKWORTH	Emulsion Plant, Dyno Nobel Asia Pacific Pty Ltd	186 Long Point ROAD	Chemical Industry	Regulation under CLM Act not required	-32.5781708	151.0834387
WARKWORTH	United Colliery	Jerrys Plains ROAD	Other Industry	Regulation under CLM Act not required	-32.5654356	150.9916698
WARNERS BAY	7-Eleven (former Mobil) Service Station	393 Hillsborough ROAD	Service Station	Regulation under CLM Act not required	-32.9659363	151.6543264
WARNERS BAY	Caltex Service Station	55 King STREET	Service Station	Regulation under CLM Act not required	-32.97418806	151.6476184
WARNERS BAY	Historically Filled Land	41-43 Charles STREET	Unclassified	Regulation under CLM Act not required	-32.97340461	151.6464383
WARNEVALE	Former Timber Treatment Plant	Aldenham and Railway ROADS	Other Industry	Contamination formerly regulated under the CLM Act	-33.24732018	151.4469037
WARRAGAMBA	Megarrity's Creek Site	Weir ROAD	Unclassified	Regulation under CLM Act not required	-33.8873146	150.5967305
WARRAGAMBA	Warragamba Dam Viewing Platform	Eighteenth STREET	Unclassified	Regulation under CLM Act not required	-33.88545624	150.6016219
WARRAWONG	Caltex Service Station	75-77 King STREET	Service Station	Regulation under CLM Act not required	-34.49037817	150.888802
WARREN	Caltex Warren Service Station	1 Coonamble ROAD	Service Station	Regulation under CLM Act not required	-31.69508383	147.8405578
WARREN	Former Mobil Warren Depot	16 Dubbo STREET	Other Petroleum	Contamination currently regulated under CLM Act	-31.6943058	147.8314606
WARREN	Former Shell Depot	8 Dubbo STREET	Other Petroleum	Regulation under CLM Act not required	-31.69379262	147.8308088
WARWICK FARM	Warwick Farm Public School	95 Lawrence Hargrave ROAD	Unclassified	Regulation under CLM Act not required	-33.90978695	150.9291852
WATERLOO	22-24 Archibald Avenue	22-24 Archibald AVENUE	Other Petroleum	Regulation under CLM Act not required	-33.90206938	151.2139293

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WATERLOO	Diversity Waterloo Blocks C & D and adjacent plaza / park	1, 9, 13, 13A, 13B and 23 Archibald Avenue, 20 Dunkerley Place and 850 Bourke STREET	Other Industry	Regulation under CLM Act not required	-33.90200158	151.2098496
WATERLOO	Iconic (Former Chubb Factory) Waterloo	830-838 Elizabeth STREET	Other Industry	Regulation under CLM Act not required	-33.90227718	151.2060305
WATERLOO	Lawrence Dry Cleaners	887-893 Bourke STREET	Unclassified	Contamination currently regulated under CLM Act	-33.89897433	151.2101436
WATERLOO	Proposed Construction Site	2 John STREET	Other Industry	Regulation under CLM Act not required	-33.89898686	151.2010324
WATERLOO	Shell Coles Express Service Station	867-877 South Dowling STREET	Service Station	Regulation under CLM Act not required	-33.90179774	151.2143789
WATERLOO	Waverley Woollahra Process Plant	355 Botany ROAD	Other Industry	Regulation under CLM Act not required	-33.9063092	151.2042672
WAUCHOPE	Expressway Spares UST	3 Sancroft ROAD	Other Petroleum	Regulation under CLM Act not required	-31.44163879	152.8231104
WAUCHOPE	Former Shell Depot	56-64 High STREET	Other Petroleum	Regulation under CLM Act not required	-31.45804845	152.7314151
WAUCHOPE	Former Timber Treatment Site	Blackbutt DRIVE	Other Industry	Regulation under CLM Act not required	-31.46575645	152.7228555
WAUCHOPE	Shell Coles Express Service Station	64 High STREET	Service Station	Regulation under CLM Act not required	-31.45764495	152.7315975
WAUCHOPE	Wauchope Public Primary School	2 Waugh STREET	Unclassified	Regulation under CLM Act not required	-31.45602953	152.7295059
WAUCHOPE	Wauchope Service Station	57 High STREET	Service Station	Regulation under CLM Act not required	-31.45737022	152.7305018
WAVERTON	Berry's Bay Woodley's Marina	1 Balls Head DRIVE	Other Industry	Contamination formerly regulated under the POEO Act	-33.84441851	151.1947433
WAVERTON	Oyster Cove AGL	2 King STREET	Gasworks	Ongoing maintenance required to manage residual contamination (CLM Act)	-33.83637995	151.193541
WAVERTON	SRA Land	95 Bay ROAD	Unclassified	Contamination formerly regulated under the CLM Act	-33.83716728	151.1969497

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WEE JASPER	Wee Jasper Tavern	6499 Wee Jasper ROAD	Other Industry	Regulation under CLM Act not required	-35.10992483	148.679428
WELLINGTON	BP Wellington Service Station	35A Maxwell STREET	Service Station	Regulation under CLM Act not required	-32.55835121	148.9447284
WELLINGTON	Former Caltex Service Station	124-128 Lee STREET	Service Station	Regulation under CLM Act not required	-32.55082729	148.9411537
WELLINGTON	J&J Mechanical	1 Warrawee STREET	Gasworks	Under assessment	-32.545829	148.943352
WELLINGTON	Police Citizens Youth Club (PCYC)	69 Gobolion STREET	Gasworks	Under assessment	-32.545654	148.944005
WELLINGTON	The Wash Shed (Laundromat)	67 Gobolion STREET	Gasworks	Under assessment	-32.545525	148.943732
WELLINGTON	Woolworths Petrol Wellington	79 Lee STREET	Service Station	Regulation under CLM Act not required	-32.54874227	148.9408531
WENTWORTH	Caltex - Wentworth	110 Adams STREET	Service Station	Regulation under CLM Act not required	-34.1024927	141.9160539
WENTWORTH FALLS	Bodington Hospital	Bodington DRIVE	Unclassified	Contamination formerly regulated under the CLM Act	-33.73204611	150.3874554
WENTWORTH POINT	Former TNT Express	23 Bennelong PARKWAY	Other Petroleum	Regulation under CLM Act not required	-33.83115118	151.0726636
WENTWORTH POINT	RMS Eastern Precinct	3-7 Burroway ROAD	Other Petroleum	Regulation under CLM Act not required	-33.8233882	151.0815668
WENTWORTHVILLE	Former Workshop	2 Rawson Rd and 8 Barfil CRESCENT	Unclassified	Regulation under CLM Act not required	-33.81568808	150.9671853
WERRINGTON	Caltex Service Station	Cnr Dunheved Rd and Henry Lawson DRIVE	Service Station	Regulation under CLM Act not required	-33.74577725	150.7409877
WERRINGTON	Claremont Meadows Former landfill	Gipps STREET	Landfill	Regulation under CLM Act not required	-33.77341076	150.7557628
WERRINGTON COUNTY	7-Eleven Werrington	Lot 122 Dunheved ROAD	Service Station	Regulation under CLM Act not required	-33.74699408	150.7428609

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WEST BALLINA	Caltex Big Prawn Service Station	Pacific HIGHWAY	Service Station	Contamination formerly regulated under the CLM Act	-28.86374913	153.5321482
WEST GOSFORD	Adcock Memorial Park	Central Coast HIGHWAY	Landfill	Contamination currently regulated under CLM Act	-33.42963075	151.3273331
WEST GOSFORD	Caltex Service Station	283 Manns ROAD	Service Station	Regulation under CLM Act not required	-33.41659727	151.325219
WEST GOSFORD	Caltex Service Station	69-71 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.42729985	151.3214621
WEST GOSFORD	Caltex Service Station	30a Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.42778813	151.3190581
WEST NOWRA	Endeavour Energy Nowra Field Service Centre	20 Depot ROAD	Other Industry	Regulation under CLM Act not required	-34.88993085	150.5878854
WEST PENNANT HILLS	7-Eleven (former Mobil) Service Station	552 Pennant Hills ROAD	Service Station	Regulation under CLM Act not required	-33.74686545	151.0508067
WEST RYDE	7-Eleven (former Mobil) Service Station	917 Victoria ROAD	Service Station	Regulation under CLM Act not required	-33.80921103	151.0932917
WEST RYDE	JHM Property Development	2A Mellor STREET	Other Industry	Regulation under CLM Act not required	-33.81207534	151.094598
WEST RYDE	Pfizer Australia Pty Ltd	38-42 Wharf ROAD	Chemical Industry	Regulation under CLM Act not required	-33.81021085	151.0693631
WEST RYDE	Reckitt Benckiser	44 Wharf ROAD	Chemical Industry	Regulation under CLM Act not required	-33.81172205	151.0692752
WEST TAMWORTH	Woolworths Petrol	119 Bridge STREET	Service Station	Regulation under CLM Act not required	-31.09358262	150.9167693
WEST WALLSEND	West Wallsend Cemetery	6 Cemetery ROAD	Unclassified	Regulation under CLM Act not required	-32.9025615	151.5701278
WEST WYALONG	Caltex Depot	(Wyalong By-pass Rd) Lot 1-3 Showground ROAD	Service Station	Regulation under CLM Act not required	-33.92580863	147.1978504
WEST WYALONG	Former Mobil Depot	104 Compton ROAD	Other Petroleum	Regulation under CLM Act not required	-33.93449194	147.2147948

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WEST WYALONG	Lowes Petroleum (Former BP) Depot West Wyalong	Compton (formerly known as Town Bypass/Railway Road) ROAD	Other Petroleum	Regulation under CLM Act not required	-33.93440247	147.2154596
WESTON	Illegal Dumping Site	Corner Kline Street & First STREET	Unclassified	Regulation under CLM Act not required	-32.81367986	151.4551507
WETHERILL PARK	BOC Sydney Operations Centre	428-440 Victoria STREET	Chemical Industry	Regulation being finalised	-33.84375988	150.8960027
WETHERILL PARK	Camide Former Landfill	Newton ROAD	Landfill	Regulation under CLM Act not required	-33.83898879	150.8963813
WETHERILL PARK	Cleanaway (Formerly Nationwide Oil) Wetherill Park	6 Davis ROAD	Other Industry	Regulation under CLM Act not required	-33.83770038	150.9045197
WETHERILL PARK	Fairfield Sustainable Resource Centre	Corner Hassall Street and Widemere ROAD	Other Industry	Under assessment	-33.83860329	150.9170013
WETHERILL PARK	Former Fuel Storage Depot	200-212 Cowpasture ROAD	Other Petroleum	Regulation under CLM Act not required	-33.84568871	150.8764012
WETHERILL PARK	Shell Coles Express Service Station	565 Polding STREET	Service Station	Regulation under CLM Act not required	-33.8569731	150.8992804
WETHERILL PARK	Sims Wetherill Park	35-37 Frank STREET	Metal Industry	Regulation under CLM Act not required	-33.84056122	150.9086265
WICKHAM	Caltex Terminal and "Building 33" on offsite adjacent land	156 Hannell Street and 33 Annie STREET	Other Petroleum	Contamination currently regulated under CLM Act	-32.9153413	151.7560062
WICKHAM	Former Factory	57 Annie STREET	Other Industry	Regulation under CLM Act not required	-32.91524827	151.7539893
WICKHAM	Former Warehouse	10 Dangar STREET	Unclassified	Regulation under CLM Act not required	-32.92383206	151.759761
WICKHAM	Fuchs Lubricants Wickham	2 Holland STREET	Other Industry	Contamination currently regulated under CLM Act	-32.9214709	151.7556928
WICKHAM	Railcorp Wickham	50 Railway STREET	Other Industry	Regulation under CLM Act not required	-32.9210433	151.7544687
WILBERFORCE	Former Drum Reconditioners	12-14 Box AVENUE	Other Industry	Contamination formerly regulated under the CLM Act	-33.5453884	150.8587934

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WILBERFORCE	Former Solvent Recycling Site	13 Box AVENUE	Chemical Industry	Regulation under CLM Act not required	-33.54557427	150.8577006
WILEY PARK	Sydney Water Property	1B Hillcrest STREET	Other Industry	Regulation under CLM Act not required	-33.92391634	151.0676256
WILLIAMTOWN	Hunter Land Effluent Pond	38 Cabbage Tree ROAD	Other Industry	Regulation under CLM Act not required	-32.80750069	151.8310107
WILLOUGHBY	Bicentennial Reserve, Flat Rock Gully, Willoughby Leisure Centre	Small STREET	Other Industry	Regulation being finalised	-33.81232124	151.2030744
WILLOUGHBY	BP Willoughby Express Tower	498 Willoughby STREET	Service Station	Contamination currently regulated under POEO Act	-33.81022918	151.199315
WILLOUGHBY	Caltex Service Station	157 Penhur STREET	Service Station	Regulation under CLM Act not required	-33.79793513	151.1981926
WILLOUGHBY	Shell Coles Express Service Station	616-626 Willoughby ROAD	Service Station	Regulation under CLM Act not required	-33.80593769	151.1988559
WILLOUGHBY EAST	Willoughby Bus Depot	Corner Ann Street and Stan STREET	Other Industry	Regulation under CLM Act not required	-33.7982569	151.2038993
WILTON	Condell Park Homestead	(Part Lot 17 DP 270536) Condell Park ROAD	Unclassified	Regulation under CLM Act not required	-34.21910141	150.6837962
WINDANG	Caltex Service Station	244-248 Windang ROAD	Service Station	Regulation under CLM Act not required	-34.5274434	150.8691161
WINDSOR	Former Caltex Service Station	46-52 Macquarie STREET	Service Station	Regulation under CLM Act not required	-33.60783315	150.8213428
WINDSOR	Former Caltex Windsor Depot and Service Station	48-50 Mileham STREET	Service Station	Regulation under CLM Act not required	-33.61538627	150.8157517
WINDSOR	Former Windsor Fire Station	19 Fitzgerald STREET	Other Industry	Regulation under CLM Act not required	-33.6064873	150.8199089
WINDSOR	Windsor Zone Substation	56-60 Macquarie STREET	Other Industry	Regulation under CLM Act not required	-33.60812428	150.8208856
WINDSOR	Woolworths (former Caltex) Service Station	Cnr Macquarie Street & Baker STREET	Service Station	Regulation under CLM Act not required	-33.60569346	150.8232803

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WINGHAM	Bogas Service Station	Cnr Primrose Street and Isabella STREET	Service Station	Regulation under CLM Act not required	-31.86833656	152.3716346
WINGHAM	Former Caltex Service Station	1036-1038 Wingham ROAD	Service Station	Regulation under CLM Act not required	-31.86236594	152.3805752
WINMALEE	Prime Winmalee Service Station	281 Hawkesbury ROAD	Service Station	Regulation under CLM Act not required	-33.68223276	150.5997203
WIRLINGA	Former Liquid Waste Disposal Facility	704 Riverina ROAD	Unclassified	Regulation under CLM Act not required	-36.07103958	147.0193522
WOLLI CREEK	Former Ausgrid Substation 10061	13 Gertrude STREET	Other Industry	Regulation under CLM Act not required	-33.93364031	151.1543818
WOLLONGONG	Caltex Service Station	9 Flinders STREET	Service Station	Regulation under CLM Act not required	-34.41505616	150.8932515
WOLLONGONG	Dr. Brad Bowling, Eye Surgeon	76-78 Auburn STREET	Other Industry	Under assessment	-34.432119	150.888112
WOLLONGONG	Former Wollongong Gasworks	120 and 122 Smith STREET	Gasworks	Regulation under CLM Act not required	-34.42030173	150.8906745
WOLLONGONG	Greenhouse Park	Springhill ROAD	Landfill	Contamination currently regulated under CLM Act	-34.44119949	150.8931764
WOLLONGONG	Metro Petroleum	394 - 396 Crown STREET	Service Station	Under assessment	-34.425736	150.877619
WOLLONGONG	Redevelopment site	33 - 39 Beatson STREET	Other Petroleum	Regulation under CLM Act not required	-34.43196083	150.8976661
WOLLONGONG	Wollongong Harbour Central Spur	Off Endeavour DRIVE	Other Petroleum	Regulation under CLM Act not required	-34.42066879	150.906821
WOLLONGONG	Woolworths Service Station	425 Crown STREET	Service Station	Contamination currently regulated under CLM Act	-34.42637378	150.8799288
WOODBURN	Caltex Service Station	129 River STREET	Service Station	Regulation under CLM Act not required	-29.07206887	153.3409769
WOODBURN	Crown Reserve 88037 Woodburn	Pacific HIGHWAY	Landfill	Regulation under CLM Act not required	-29.06580577	153.3541886

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WOOLGOOLGA	Caltex Woolgoolga Service Station	16 Bosworth ROAD	Service Station	Regulation under CLM Act not required	-30.12569561	153.1946006
WOOLGOOLGA	United Petroleum Service Station (1868 Solitary Islands Way)	56 Clarence STREET	Service Station	Contamination currently regulated under CLM Act	-30.110461	153.190501
WOOLLAHRA	Caltex Woollahra Service Station	116 Old South Head ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.88959697	151.2553736
WOOLLAHRA	Former Service Station	20 Wallis STREET	Service Station	Regulation under CLM Act not required	-33.8901965	151.2372752
WOOLLAHRA	Proposed Jewish Care Centre	7-21 Saber STREET	Unclassified	Regulation under CLM Act not required	-33.8904055	151.2480062
WOOLLOOMOOLOO	Former BP Service Station	2 Dowley STREET	Service Station	Contamination being managed via the planning process (EP&A Act)	-33.86940191	151.2218741
WOOLLOMIN	Woolomin Gold Rush Store	65 Nundle ROAD	Other Petroleum	Contamination formerly regulated under the CLM Act	-31.30415134	151.149729
WOOLOOWARE	Caltex Service Station	100 Woollooware ROAD	Service Station	Regulation under CLM Act not required	-34.05274635	151.1408413
WOOLOOWARE	Oyster Farm	Captain Cook DRIVE	Other Industry	Regulation under CLM Act not required	-34.03807914	151.1476055
WOONGARRAH	Former Warnervale Landfill	236-264 Hakone ROAD	Landfill	Regulation under CLM Act not required	-33.2376313	151.464362
WOOTTON	Former Chemical Spill Site	11859 Pacific HIGHWAY	Chemical Industry	Regulation under CLM Act not required	-32.28168548	152.3117819
WOY WOY	7-Eleven Service Station	Corner Rawson and Ocean Beach ROADS	Service Station	Regulation under CLM Act not required	-33.49379351	151.3201639
WOY WOY	Austin Butler Memorial Oval	Blackwall ROAD	Landfill	Regulation under CLM Act not required	-33.48672201	151.3283032
WOY WOY	Barry Robertson Holden	231 Blackwall ROAD	Service Station	Regulation under CLM Act not required	-33.49621068	151.3285128
WOY WOY	Bogas Service Station	66 Memorial AVENUE	Service Station	Contamination currently regulated under CLM Act	-33.5069738	151.3315579

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
WOY WOY	James Browne Oval	Welcome STREET	Landfill	Regulation under CLM Act not required	-33.49720596	151.3242986
WOY WOY	Mobil Former Woy Woy Service Station and adjacent land	177-181 Blackwall ROAD	Service Station	Contamination formerly regulated under the CLM Act	-33.49257884	151.3273559
WOY WOY	Rogers Park	Dunban ROAD	Landfill	Regulation under CLM Act not required	-33.50009693	151.3181347
WYALONG	Caltex Service Station	50 Neeld (Newell Highway) STREET	Service Station	Regulation under CLM Act not required	-33.92665025	147.2446546
WYOMING	Caltex Service Station Wyoming	465 Pacific HIGHWAY	Service Station	Regulation under CLM Act not required	-33.40945391	151.3499812
WYONG	Caltex Service Station	M1 Pacific (Northbound) MOTORWAY	Service Station	Regulation under CLM Act not required	-33.25641477	151.4024821
WYONG	Caltex Service Station	M1 Pacific (Southbound) MOTORWAY	Service Station	Regulation under CLM Act not required	-33.25330747	151.4053862
WYONG	IXOM Facility	8 Pavitt CRESCENT	Other Industry	Regulation under CLM Act not required	-33.26379108	151.4485113
WYONG	Wyang Bayer/Kemcon	16 Lucca ROAD	Chemical Industry	Contamination currently regulated under POEO Act	-33.26192339	151.4429446
YAGOONA	7-Eleven (former Mobil) Service Station	519 Hume HIGHWAY	Service Station	Regulation under CLM Act not required	-33.90760623	151.0207783
YAGOONA	BP Service Station Potts Hill (Yagoona)	155 Rookwood ROAD	Service Station	Regulation under CLM Act not required	-33.89330525	151.0390969
YAGOONA	Galserv Galvanising Services	117-153 Rookwood ROAD	Metal Industry	Contamination currently regulated under POEO Act	-33.89493085	151.0388013
YAGOONA	Shell Coles Express Service Station	112 Rookwood ROAD	Service Station	Regulation under CLM Act not required	-33.89856213	151.0370458
YAGOONA	Sydney Water Corporation Potts Hill Complex	91 Brunner ROAD	Other Industry	Regulation under CLM Act not required	-33.89887589	151.0289165
YALLAH	Tallawarra Power Station site	Princes HIGHWAY	Unclassified	Ongoing maintenance required to manage residual contamination (CLM Act)	-34.52412143	150.8062159

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
YAMBA	Caltex Service Station	22 Treelands DRIVE	Service Station	Regulation under CLM Act not required	-29.42701701	153.3279204
YANCO	Former Service Station	14 Main AVENUE	Service Station	Contamination formerly regulated under the CLM Act	-34.60356494	146.4105016
YASS	Caltex Service Station	228 Comur STREET	Service Station	Regulation under CLM Act not required	-34.84440036	148.9140179
YASS	Caltex Service Station	1715 Yass Valley WAY	Service Station	Regulation under CLM Act not required	-34.80708856	148.8824228
YASS	Former Gasworks	Dutton STREET	Gasworks	Contamination currently regulated under CLM Act	-34.83982614	148.9060029
YASS	Former Mobil Depot Yass and adjacent land	54-58 Laidlaw STREET	Service Station	Ongoing maintenance required to manage residual contamination (CLM Act)	-34.83226934	148.9069512
YASS	Transgrid Depot Yass	Perry STREET	Unclassified	Under assessment	-34.86238341	148.9052809
YENNORA	19 Pine Road, Yennora	Pine ROAD	Metal Industry	Contamination currently regulated under CLM Act	-33.86713232	150.9621172
YENNORA	Former Alcoa Australia Rolled Products Facility - Area 3	1 Kiora CRESCENT	Metal Industry	Regulation under CLM Act not required	-33.86568158	150.9649297
YENNORA	Former Caltex Service Station	137-141 Fairfield STREET	Service Station	Regulation under CLM Act not required	-33.86824768	150.9706137
YENNORA	Former Metal Plant	44 Larra STREET	Metal Industry	Contamination formerly regulated under the CLM Act	-33.86340576	150.9764349
YENNORA	Spicer Axle Australia Manufacturing Facility	205-231 Fairfield ROAD	Other Industry	Regulation under CLM Act not required	-33.85655114	150.9579167
YENNORA	TetraPak Site	6 Foray STREET	Other Industry	Contamination formerly regulated under the CLM Act	-33.8557183	150.9561605
YETHOLME	Yetholme CCA Timber Treatment Plant	351 Eusdale ROAD	Other Industry	Contamination formerly regulated under the CLM Act	-33.45386256	149.8537787
YOUNG	Adjacent to former battery recycler	47 Nasmyth STREET	Metal Industry	Contamination formerly regulated under the CLM Act	-34.31176273	148.3064765

Suburb	SiteName	Address	ContaminationActivityType	ManagementClass	Latitude	Longitude
YOUNG	Former battery recycler	45 Nasmyth STREET	Metal Industry	Contamination currently regulated under CLM Act	-34.31201571	148.306772
YOUNG	Former Caltex Depot	95 Lovell STREET	Service Station	Regulation under CLM Act not required	-34.31127119	148.2955092
YOUNG	Former Mobil Depot and Service Station Young	149 Lovell STREET	Service Station	Regulation under CLM Act not required	-34.31024587	148.290424
YOUNG	Former Shell Depot	166 Nasmyth STREET	Other Petroleum	Regulation under CLM Act not required	-34.31025192	148.2931008
YOUNG	Mobil Depot	186 Nasmyth STREET	Other Petroleum	Contamination currently regulated under CLM Act	-34.30954389	148.2908476
ZETLAND	Energy Australia/ Ausgrid Zetland Depot	122 - 138 Joynton AVENUE	Other Industry	Regulation under CLM Act not required	-33.90883116	151.2101184
ZETLAND	Former Goodrich Control Systems, Zetland	84 - 92 Epsom ROAD	Other Industry	Regulation under CLM Act not required	-33.91025707	151.2078048



Australian Government

Department of Climate Change, Energy,
the Environment and Water

EPBC Act Protected Matters Report

This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected. Please see the caveat for interpretation of information provided here.

Report created: 19-Jul-2023

[Summary](#)

[Details](#)

[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

[Acknowledgements](#)

Summary

Matters of National Environment Significance

This part of the report summarises the matters of national environmental significance that may occur in, or may relate to, the area you nominated. Further information is available in the detail part of the report, which can be accessed by scrolling or following the links below. If you are proposing to undertake an activity that may have a significant impact on one or more matters of national environmental significance then you should consider the [Administrative Guidelines on Significance](#).

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Importance (Ramsar	1
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	8
Listed Threatened Species:	53
Listed Migratory Species:	18

Other Matters Protected by the EPBC Act

This part of the report summarises other matters protected under the Act that may relate to the area you nominated. Approval may be required for a proposed activity that significantly affects the environment on Commonwealth land, when the action is outside the Commonwealth land, or the environment anywhere when the action is taken on Commonwealth land. Approval may also be required for the Commonwealth or Commonwealth agencies proposing to take an action that is likely to have a significant impact on the environment anywhere.

The EPBC Act protects the environment on Commonwealth land, the environment from the actions taken on Commonwealth land, and the environment from actions taken by Commonwealth agencies. As heritage values of a place are part of the 'environment', these aspects of the EPBC Act protect the Commonwealth Heritage values of a Commonwealth Heritage place. Information on the new heritage laws can be found at <https://www.dcceew.gov.au/parks-heritage/heritage>

A [permit](#) may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Lands:	12
Commonwealth Heritage Places:	1
Listed Marine Species:	26
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None
Habitat Critical to the Survival of Marine Turtles:	None

Extra Information

This part of the report provides information that may also be relevant to the area you have

State and Territory Reserves:	None
Regional Forest Agreements:	1
Nationally Important Wetlands:	None
EPBC Act Referrals:	14
Key Ecological Features (Marine):	None
Biologically Important Areas:	None
Bioregional Assessments:	1
Geological and Bioregional Assessments:	None

Details

Matters of National Environmental Significance

Wetlands of International Importance (Ramsar Wetlands)		[Resource Information]
Ramsar Site Name	Proximity	Buffer Status
Hunter estuary wetlands	10 - 20km upstream from Ramsar site	In feature area

Listed Threatened Ecological Communities	[Resource Information]
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For threatened ecological communities where the distribution is well known, maps are derived from recovery plans, State vegetation maps, remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

Status of Vulnerable, Disallowed and Ineligible are not MNES under the EPBC Act.

Community Name	Threatened Category	Presence Text	Buffer Status
Central Hunter Valley eucalypt forest and woodland	Critically Endangered	Community likely to occur within area	In feature area
Coastal Swamp Oak (Casuarina glauca) Forest of New South Wales and South East Queensland ecological community	Endangered	Community likely to occur within area	In feature area
Coastal Swamp Sclerophyll Forest of New South Wales and South East Queensland	Endangered	Community may occur within area	In feature area
Hunter Valley Weeping Myall (Acacia pendula) Woodland	Critically Endangered	Community may occur within area	In buffer area only
Lowland Rainforest of Subtropical Australia	Critically Endangered	Community likely to occur within area	In feature area
River-flat eucalypt forest on coastal floodplains of southern New South Wales and eastern Victoria	Critically Endangered	Community likely to occur within area	In feature area
Subtropical eucalypt floodplain forest and woodland of the New South Wales North Coast and South East Queensland bioregions	Endangered	Community likely to occur within area	In feature area
White Box-Yellow Box-Blakely's Red Gum Grassy Woodland and Derived Native Grassland	Critically Endangered	Community likely to occur within area	In feature area

Listed Threatened Species	[Resource Information]
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Status of Conservation Dependent and Extinct are not MNES under the EPBC Act.

Number is the current name ID.

Scientific Name	Threatened Category	Presence Text	Buffer Status
BIRD			
Anthochaera phrygia Regent Honeyeater [82338]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Botaurus poiciloptilus Australasian Bittern [1001]	Endangered	Species or species habitat known to occur within area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Callocephalon fimbriatum Gang-gang Cockatoo [768]	Endangered	Species or species habitat likely to occur within area	In feature area
Calyptorhynchus lathami lathami South-eastern Glossy Black-Cockatoo [67036]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Climacteris picumnus victoriae Brown Treecreeper (south-eastern) [67062]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Erythroriorchis radiatus Red Goshawk [942]	Endangered	Species or species habitat may occur within area	In feature area
Falco hypoleucos Grey Falcon [929]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Grantiella picta Painted Honeyeater [470]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Lathamus discolor Swift Parrot [744]	Critically Endangered	Species or species habitat likely to occur within area	In feature area
Limosa lapponica baueri Nunivak Bar-tailed Godwit, Western Alaskan Bar-tailed Godwit [86380]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Melanodryas cucullata cucullata South-eastern Hooded Robin, Hooded Robin (south-eastern) [67093]	Endangered	Species or species habitat likely to occur within area	In feature area
Neophema chrysostoma Blue-winged Parrot [726]	Vulnerable	Species or species habitat may occur within area	In feature area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area	In feature area
Pycnoptilus floccosus Pilotbird [525]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat known to occur within area	In feature area
Stagonopleura guttata Diamond Firetail [59398]	Vulnerable	Species or species habitat likely to occur within area	In feature area
FROG			
Litoria aurea Green and Golden Bell Frog [1870]	Vulnerable	Species or species habitat known to occur within area	In feature area
Mixophyes balbus Stuttering Frog, Southern Barred Frog (in Victoria) [1942]	Vulnerable	Species or species habitat may occur within area	In buffer area only
MAMMAL			
Chalinolobus dwyeri Large-eared Pied Bat, Large Pied Bat [183]	Vulnerable	Species or species habitat known to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Dasyurus maculatus maculatus (SE mainland population)			
Spot-tailed Quoll, Spotted-tail Quoll, Tiger Quoll (southeastern mainland population) [75184]	Endangered	Species or species habitat known to occur within area	In feature area
Notamacropus parma			
Parma Wallaby [89289]	Vulnerable	Species or species habitat may occur within area	In feature area
Petauroides volans			
Greater Glider (southern and central) [254]	Endangered	Species or species habitat may occur within area	In feature area
Petaurus australis australis			
Yellow-bellied Glider (south-eastern) [87600]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Petrogale penicillata			
Brush-tailed Rock-wallaby [225]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Phascolarctos cinereus (combined populations of Qld, NSW and the ACT)			
Koala (combined populations of Queensland, New South Wales and the Australian Capital Territory) [85104]	Endangered	Species or species habitat known to occur within area	In feature area
Potorous tridactylus tridactylus			
Long-nosed Potoroo (northern) [66645]	Vulnerable	Species or species habitat may occur within area	In feature area
Pseudomys novaehollandiae			
New Holland Mouse, Pookila [96]	Vulnerable	Species or species habitat known to occur within area	In feature area
Pteropus poliocephalus			
Grey-headed Flying-fox [186]	Vulnerable	Roosting known to occur within area	In feature area
PLANT			
Acacia bynoeana			
Bynoe's Wattle, Tiny Wattle [8575]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Arthraxon hispidus			
Hairy-joint Grass [9338]	Vulnerable	Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Caladenia tessellata Thick-lipped Spider-orchid, Daddy Long-legs [2119]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Cryptostylis hunteriana Leafless Tongue-orchid [19533]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Cynanchum elegans White-flowered Wax Plant [12533]	Endangered	Species or species habitat known to occur within area	In feature area
Dichanthium setosum bluegrass [14159]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Eucalyptus glaucina Slaty Red Gum [5670]	Vulnerable	Species or species habitat known to occur within area	In feature area
Eucalyptus parramattensis subsp. decadens Earp's Gum, Earp's Dirty Gum [56148]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Euphrasia arguta [4325]	Critically Endangered	Species or species habitat may occur within area	In feature area
Grevillea parviflora subsp. parviflora Small-flower Grevillea [64910]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Persicaria elatior Knotweed, Tall Knotweed [5831]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Pomaderris brunnea Rufous Pomaderris, Brown Pomaderris [16845]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Prasophyllum sp. Wybong (C.Phelps ORG 5269) a leek-orchid [81964]	Critically Endangered	Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Pterostylis gibbosa Illawarra Greenhood, Rufa Greenhood, Pouched Greenhood [4562]	Endangered	Species or species habitat known to occur within area	In feature area
Rhizanthella slateri Eastern Underground Orchid [11768]	Endangered	Species or species habitat may occur within area	In buffer area only
Rhodamnia rubescens Scrub Turpentine, Brown Malletwood [15763]	Critically Endangered	Species or species habitat likely to occur within area	In feature area
Rhodomyrtus psidioides Native Guava [19162]	Critically Endangered	Species or species habitat may occur within area	In buffer area only
Rutidosis heterogama Heath Wrinklewort [13132]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only
Syzygium paniculatum Magenta Lilly Pilly, Magenta Cherry, Daguba, Scrub Cherry, Creek Lilly Pilly, Brush Cherry [20307]	Vulnerable	Species or species habitat known to occur within area	In feature area
Tetratheca juncea Black-eyed Susan [21407]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only
Thesium australe Austral Toadflax, Toadflax [15202]	Vulnerable	Species or species habitat likely to occur within area	In feature area

REPTILE			
Delma impar Striped Legless Lizard, Striped Snake-lizard [1649]	Vulnerable	Species or species habitat may occur within area	In feature area

Listed Migratory Species		[Resource Information]	
Scientific Name	Threatened Category	Presence Text	Buffer Status
Migratory Marine Birds			
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area	In feature area
Migratory Terrestrial Species			

Scientific Name	Threatened Category	Presence Text	Buffer Status	
Cuculus optatus Oriental Cuckoo, Horsfield's Cuckoo [86651]	Vulnerable	Species or species habitat known to occur within area	In feature area	
Hirundapus caudacutus White-throated Needletail [682]		Species or species habitat known to occur within area	In feature area	
Monarcha melanopsis Black-faced Monarch [609]		Species or species habitat known to occur within area	In feature area	
Motacilla flava Yellow Wagtail [644]		Species or species habitat likely to occur within area	In feature area	
Myiagra cyanoleuca Satin Flycatcher [612]		Species or species habitat known to occur within area	In feature area	
Rhipidura rufifrons Rufous Fantail [592]	Critically Endangered	Species or species habitat known to occur within area	In feature area	
Symposiachrus trivirgatus as Monarcha trivirgatus Spectacled Monarch [83946]		Species or species habitat known to occur within area	In feature area	
Migratory Wetlands Species				
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat likely to occur within area	In feature area	
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat known to occur within area	In feature area	
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat known to occur within area	In feature area	
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat known to occur within area	In feature area	

Scientific Name	Threatened Category	Presence Text	Buffer Status
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]		Species or species habitat known to occur within area	In feature area
Limosa lapponica Bar-tailed Godwit [844]		Species or species habitat known to occur within area	In buffer area only
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area	In feature area
Pandion haliaetus Osprey [952]		Species or species habitat known to occur within area	In feature area
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area	In buffer area only

Other Matters Protected by the EPBC Act

Commonwealth Lands

[[Resource Information](#)]

The Commonwealth area listed below may indicate the presence of Commonwealth land in this vicinity. Due to the unreliability of the data source, all proposals should be checked as to whether it impacts on a Commonwealth area, before making a definitive decision. Contact the State or Territory government land department for further information.

Commonwealth Land Name	State	Buffer Status
Communications, Information Technology and the Arts - Australian Postal Corporation		
Commonwealth Land - Australian Postal Commission [11627]	NSW	In buffer area only
Commonwealth Land - Australian Postal Commission [11609]	NSW	In buffer area only
Communications, Information Technology and the Arts - Telstra Corporation Limited		
Commonwealth Land - Australian Telecommunications Commission [12639]	NSW	In buffer area only
Commonwealth Land - Australian Telecommunications Commission [12638]	NSW	In buffer area only
Commonwealth Land - Australian Telecommunications Commission [11605]	NSW	In buffer area only
Commonwealth Land - Australian Telecommunications Commission [11608]	NSW	In buffer area only

Commonwealth Land Name	State	Buffer Status
Defence		
Defence - SCOBIE BARRACKS ; 2/17 RNSWR RUTHERFORD ; RUTHERFORD GRES DEPOT [10055]	NSW	In buffer area only
Defence - Defence Housing Authority		
Commonwealth Land - Defence Housing Authority [11626]	NSW	In buffer area only
Transport and Regional Services - Airservices Australia		
Commonwealth Land - Airservices Australia [11629]	NSW	In buffer area only
Unknown		
Commonwealth Land - [11624]	NSW	In buffer area only
Commonwealth Land - [11625]	NSW	In buffer area only
Commonwealth Land - [16528]	NSW	In buffer area only

Commonwealth Heritage Places [Resource Information]			
Name	State	Status	Buffer Status
Historic			
Maitland Post Office	NSW	Listed place	In buffer area only

Listed Marine Species [Resource Information]			
Scientific Name	Threatened Category	Presence Text	Buffer Status
Bird			
Actitis hypoleucos			
Common Sandpiper [59309]		Species or species habitat likely to occur within area	In feature area
Apus pacificus			
Fork-tailed Swift [678]		Species or species habitat likely to occur within area overfly marine area	In feature area
Bubulcus ibis as Ardea ibis			
Cattle Egret [66521]		Species or species habitat may occur within area overfly marine area	In feature area
Calidris acuminata			
Sharp-tailed Sandpiper [874]		Species or species habitat known to occur within area	In feature area
Calidris ferruginea			
Curlew Sandpiper [856]	Critically Endangered	Species or species habitat known to occur within area overfly marine area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat known to occur within area overfly marine area	In feature area
Chalcites osculans as Chrysococcyx osculans Black-eared Cuckoo [83425]		Species or species habitat likely to occur within area overfly marine area	In feature area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]		Species or species habitat known to occur within area overfly marine area	In feature area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area	In feature area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area overfly marine area	In feature area
Lathamus discolor Swift Parrot [744]	Critically Endangered	Species or species habitat likely to occur within area overfly marine area	In feature area
Limosa lapponica Bar-tailed Godwit [844]		Species or species habitat known to occur within area	In buffer area only
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area overfly marine area	In feature area
Monarcha melanopsis Black-faced Monarch [609]		Species or species habitat known to occur within area overfly marine area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Motacilla flava Yellow Wagtail [644]		Species or species habitat likely to occur within area overfly marine area	In feature area
Myiagra cyanoleuca Satin Flycatcher [612]		Species or species habitat known to occur within area overfly marine area	In feature area
Neophema chrysostoma Blue-winged Parrot [726]	Vulnerable	Species or species habitat may occur within area overfly marine area	In feature area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area	In feature area
Pandion haliaetus Osprey [952]		Species or species habitat known to occur within area	In feature area
Pterodroma cervicalis White-necked Petrel [59642]		Species or species habitat may occur within area	In feature area
Rhipidura rufifrons Rufous Fantail [592]		Species or species habitat known to occur within area overfly marine area	In feature area
Rostratula australis as Rostratula benghalensis (sensu lato) Australian Painted Snipe [77037]	Endangered	Species or species habitat known to occur within area overfly marine area	In feature area
Sterna striata White-fronted Tern [799]		Migration route may occur within area	In feature area
Symposiachrus trivirgatus as Monarcha trivirgatus Spectacled Monarch [83946]		Species or species habitat known to occur within area overfly marine area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Tringa nebularia			
Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area overfly marine area	In buffer area only

Extra Information

Regional Forest Agreements	[Resource Information]
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Note that all areas with completed RFAs have been included. Please see the associated resource information for specific caveats and use limitations associated with RFA boundary information.

RFA Name	State	Buffer Status
North East NSW RFA	New South Wales	In feature area

EPBC Act Referrals	[Resource Information]
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Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Kurri Kurri Lateral Pipeline Project	2021/9113		Post-Approval	In buffer area only

Controlled action

Gas Transmission Pipeline	2011/5917	Controlled Action	Completed	In buffer area only
Kurri Kurri Gas Fired Power Station	2021/8888	Controlled Action	Post-Approval	In buffer area only
Queensland Hunter Gas Pipeline, approximately 825 km in length	2008/4483	Controlled Action	Completed	In buffer area only
Upgrade of approx 32km of Main Northern Railway, including construction of 3rd track	2009/4897	Controlled Action	Post-Approval	In buffer area only

Not controlled action

Abel Coal Project	2007/3695	Not Controlled Action	Completed	In buffer area only
Hebburn No 2 Colliery	2001/301	Not Controlled Action	Completed	In buffer area only
Hunter Natural Gas Pipeline	2004/1902	Not Controlled Action	Completed	In feature area
Improving rabbit biocontrol: releasing another strain of RHDV, sthrn two thirds of Australia	2015/7522	Not Controlled Action	Completed	In feature area

Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Not controlled action				
Queensland Hunter Gas Pipeline, approximately 833 km in length	2008/4620	Not Controlled Action	Completed	In buffer area only
Remediation and demolition of Hydro Aluminium Kurri Kurri Smelter, NSW	2015/7496	Not Controlled Action	Completed	In buffer area only
Revised alignment Hunter Natural Gas Pipeline	2005/2470	Not Controlled Action	Completed	In buffer area only
Weed and Native Vegetation Clearing, Cintra Estate Rural Residential Subdivision	2003/1219	Not Controlled Action	Completed	In buffer area only
Not controlled action (particular manner)				
Rehabilitation of Hexham Swamp	2003/1244	Not Controlled Action (Particular Manner)	Post-Approval	In buffer area only

Bioregional Assessments				
SubRegion	BioRegion	Website		Buffer Status
Hunter	Northern Sydney Basin	BA website		In feature area

Caveat

1 PURPOSE

This report is designed to assist in identifying the location of matters of national environmental significance (MNES) and other matters protected by the Environment Protection and Biodiversity Conservation Act 1999 (Cth) (EPBC Act) which may be relevant in determining obligations and requirements under the EPBC Act.

The report contains the mapped locations of:

- World and National Heritage properties;
- Wetlands of International and National Importance;
- Commonwealth and State/Territory reserves;
- distribution of listed threatened, migratory and marine species;
- listed threatened ecological communities; and
- other information that may be useful as an indicator of potential habitat value.

2 DISCLAIMER

This report is not intended to be exhaustive and should only be relied upon as a general guide as mapped data is not available for all species or ecological communities listed under the EPBC Act (see below). Persons seeking to use the information contained in this report to inform the referral of a proposed action under the EPBC Act should consider the limitations noted below and whether additional information is required to determine the existence and location of MNES and other protected matters.

Where data are available to inform the mapping of protected species, the presence type (e.g. known, likely or may occur) that can be determined from the data is indicated in general terms. It is the responsibility of any person using or relying on the information in this report to ensure that it is suitable for the circumstances of any proposed use. The Commonwealth cannot accept responsibility for the consequences of any use of the report or any part thereof. To the maximum extent allowed under governing law, the Commonwealth will not be liable for any loss or damage that may be occasioned directly or indirectly through the use of, or reliance

3 DATA SOURCES

Threatened ecological communities

For threatened ecological communities where the distribution is well known, maps are generated based on information contained in recovery plans, State vegetation maps and remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

Threatened, migratory and marine species

Threatened, migratory and marine species distributions have been discerned through a variety of methods. Where distributions are well known and if time permits, distributions are inferred from either thematic spatial data (i.e. vegetation, soils, geology, elevation, aspect, terrain, etc.) together with point locations and described habitat; or modelled (MAXENT or BIOCLIM habitat modelling) using

Where little information is available for a species or large number of maps are required in a short time-frame, maps are derived either from 0.04 or 0.02 decimal degree cells; by an automated process using polygon capture techniques (static two kilometre grid cells, alpha-hull and convex hull); or captured manually or by using topographic features (national park boundaries, islands, etc.).

In the early stages of the distribution mapping process (1999-early 2000s) distributions were defined by degree blocks, 100K or 250K map sheets to rapidly create distribution maps. More detailed distribution mapping methods are used to update these distributions

4 LIMITATIONS

The following species and ecological communities have not been mapped and do not appear in this report:

- threatened species listed as extinct or considered vagrants;
- some recently listed species and ecological communities;
- some listed migratory and listed marine species, which are not listed as threatened species; and
- migratory species that are very widespread, vagrant, or only occur in Australia in small numbers.

The following groups have been mapped, but may not cover the complete distribution of the species:

- listed migratory and/or listed marine seabirds, which are not listed as threatened, have only been mapped for recorded
- seals which have only been mapped for breeding sites near the Australian continent

The breeding sites may be important for the protection of the Commonwealth Marine environment.

Refer to the metadata for the feature group (using the Resource Information link) for the currency of the information.

Acknowledgements

This database has been compiled from a range of data sources. The department acknowledges the following custodians who have contributed valuable data and advice:

- [-Office of Environment and Heritage, New South Wales](#)
- [-Department of Environment and Primary Industries, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment, Water and Natural Resources, South Australia](#)
- [-Department of Land and Resource Management, Northern Territory](#)
- [-Department of Environmental and Heritage Protection, Queensland](#)
- [-Department of Parks and Wildlife, Western Australia](#)
- [-Environment and Planning Directorate, ACT](#)
- [-Birdlife Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
- [-Australian National Wildlife Collection](#)
- [-Natural history museums of Australia](#)
- [-Museum Victoria](#)
- [-Australian Museum](#)
- [-South Australian Museum](#)
- [-Queensland Museum](#)
- [-Online Zoological Collections of Australian Museums](#)
- [-Queensland Herbarium](#)
- [-National Herbarium of NSW](#)
- [-Royal Botanic Gardens and National Herbarium of Victoria](#)
- [-Tasmanian Herbarium](#)
- [-State Herbarium of South Australia](#)
- [-Northern Territory Herbarium](#)
- [-Western Australian Herbarium](#)
- [-Australian National Herbarium, Canberra](#)
- [-University of New England](#)
- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence](#)
- [Forestry Corporation, NSW](#)
- [-Geoscience Australia](#)
- [-CSIRO](#)
- [-Australian Tropical Herbarium, Cairns](#)
- [-eBird Australia](#)
- [-Australian Government – Australian Antarctic Data Centre](#)
- [-Museum and Art Gallery of the Northern Territory](#)
- [-Australian Government National Environmental Science Program](#)
- [-Australian Institute of Marine Science](#)
- [-Reef Life Survey Australia](#)
- [-American Museum of Natural History](#)
- [-Queen Victoria Museum and Art Gallery, Inveresk, Tasmania](#)
- [-Tasmanian Museum and Art Gallery, Hobart, Tasmania](#)
- [-Other groups and individuals](#)

The Department is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.

Please feel free to provide feedback via the [Contact us](#) page.

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Data from the BioNet Atlas website, which holds records from a number of custodians. The data are only indicative and cannot be considered a comprehensive inventory, and may contain errors and omissions. Species listed under the Sensitive Species Data Policy may have their locations denatured (^ rounded to 0.1°C; ^^ rounded to 0.01°C. Copyright the State of NSW through the Department of Planning, Industry and Environment. Search criteria : Public Report of all Valid Records of Threatened (listed on BC Act 2016) or Commonwealth listed Entities in selected area [North: -32.64 West: 151.48 East: 151.58 South: -32.74] returned a total of 200 records of 31 species.

Report generated on 20/07/2023 10:46 AM

Kingdom	Class	Family	Species Code	Scientific Name	Exotic	Common Name	NSW status	Comm. status	Records	Info
Animalia	Amphibia	Hylidae	3166	<i>Litoria aurea</i>		Green and Golden Bell Frog	E1,P	V	5	
Animalia	Amphibia	Hylidae	3039	<i>Litoria littlejohni</i>		Littlejohn's Tree Frog	E1,P	E	1	
Animalia	Aves	Anseranatidae	0199	<i>Anseranas semipalmata</i>		Magpie Goose	V,P		1	
Animalia	Aves	Anatidae	0216	<i>Oxyura australis</i>		Blue-billed Duck	V,P		4	
Animalia	Aves	Apodidae	0334	<i>Hirundapus caudacutus</i>		White-throated Needletail	P	V,C,J,K	2	
Animalia	Aves	Ciconiidae	0183	<i>Ephippiorhynchus asiaticus</i>		Black-necked Stork	E1,P		4	
Animalia	Aves	Accipitridae	0226	<i>Haliaeetus leucogaster</i>		White-bellied Sea-Eagle	V,P		5	
Animalia	Aves	Psittacidae	0260	<i>Glossopsitta pusilla</i>		Little Lorikeet	V,P		4	
Animalia	Aves	Psittacidae	0309	<i>Lathamus discolor</i>		Swift Parrot	E1,P	CE	1	
Animalia	Aves	Acanthizidae	0504	<i>Chthonicola sagittata</i>		Speckled Warbler	V,P		3	
Animalia	Aves	Meliphagidae	0448	<i>Epthianura albifrons</i>		White-fronted Chat	V,P		1	
Animalia	Aves	Pomatostomidae	8388	<i>Pomatostomus temporalis temporalis</i>		Grey-crowned Babbler (eastern subspecies)	V,P		16	
Animalia	Aves	Neosittidae	0549	<i>Daphoenositta chrysoptera</i>		Varied Sittella	V,P		1	
Animalia	Mammalia	Dasyuridae	1008	<i>Dasyurus maculatus</i>		Spotted-tailed Quoll	V,P	E	3	
Animalia	Mammalia	Dasyuridae	1017	<i>Phascogale tapoatafa</i>		Brush-tailed Phascogale	V,P		4	
Animalia	Mammalia	Phascolarctidae	1162	<i>Phascolarctos cinereus</i>		Koala	E1,P	E	6	

Animalia	Mammalia	Petauridae	1137	<i>Petaurus norfolcensis</i>	Squirrel Glider	V,P		17	
Animalia	Mammalia	Pteropodidae	1280	<i>Pteropus poliocephalus</i>	Grey-headed Flying-fox	V,P	V	57	
Animalia	Mammalia	Emballonuridae	1321	<i>Saccolaimus flaviventris</i>	Yellow-bellied Sheath-tail-bat	V,P		2	
Animalia	Mammalia	Molossidae	1329	<i>Micronomus norfolkensis</i>	Eastern Coastal Free-tailed Bat	V,P		11	
Animalia	Mammalia	Vespertilionidae	1372	<i>Falsistrellus tasmaniensis</i>	Eastern False Pipistrelle	V,P		4	
Animalia	Mammalia	Vespertilionidae	1357	<i>Myotis macropus</i>	Southern Myotis	V,P		4	
Animalia	Mammalia	Vespertilionidae	1361	<i>Scoteanax rueppellii</i>	Greater Broad-nosed Bat	V,P		5	
Animalia	Mammalia	Vespertilionidae	1025	<i>Vespadelus troughtoni</i>	Eastern Cave Bat	V,P		2	
Animalia	Mammalia	Miniopteridae	1346	<i>Miniopterus australis</i>	Little Bent-winged Bat	V,P		10	
Animalia	Mammalia	Miniopteridae	3330	<i>Miniopterus orianae oceanensis</i>	Large Bent-winged Bat	V,P		15	
Plantae	Flora	Asteraceae	1643	<i>Rutidosis heterogama</i>	Heath Wrinklewort	V	V	1	
Plantae	Flora	Myrtaceae	6360	<i>Eucalyptus camaldulensis</i>	Eucalyptus camaldulensis population in the Hunter catchment	E2		5	
Plantae	Flora	Myrtaceae	4284	<i>Rhodomyrtus psidioides</i>	Native Guava	E4A	CE	1	
Plantae	Flora	Myrtaceae	4293	<i>Syzygium paniculatum</i>	Magenta Lilly Pilly	E1	V	3	
Plantae	Flora	Orchidaceae	6399	<i>Cymbidium canaliculatum</i>	Cymbidium canaliculatum population in the Hunter Catchment	E2,P,2		2	

Priority Weeds in the Hunter Region

Weed	Duty
All plants	<p>General Biosecurity Duty</p> <p><i>All pest plants are regulated with a general biosecurity duty to prevent, eliminate or minimise any biosecurity risk they may pose. Any person who deals with any plant, who knows (or ought to know) of any biosecurity risk, has a duty to ensure the risk is prevented, eliminated or minimised, so far as is reasonably practicable.</i></p>
<p>Aaron's beard prickly pear</p> <p><i>Opuntia leucotricha</i></p>	<p>Prohibition on certain dealings</p> <p><i>Must not be imported into the state, sold, bartered, exchanged or offered for sale.</i></p>
<p>Aaron's beard prickly pear</p> <p><i>Opuntia leucotricha</i></p>	<p>Regional Recommended Measure</p> <p><i>Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.</i></p>
<p>African boxthorn</p> <p><i>Lycium ferocissimum</i></p>	<p>Prohibition on certain dealings</p> <p><i>Must not be imported into the state, sold, bartered, exchanged or offered for sale.</i></p>
<p>African boxthorn</p> <p><i>Lycium ferocissimum</i></p>	<p>Regional Recommended Measure</p> <p>An exclusion zone is established for all land in the region, except the core infestation which includes parts of: Muswellbrook Local Government Area,</p>

Upper Hunter Local Government Area.
Entire Hunter Local Land Services region: Land managers should mitigate the risk of the plant being introduced to their land. Exclusion zone: Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Core infestation: Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[African lovegrass](#)
Eragrostis curvula

Regional Recommended Measure
Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[African olive](#)
Olea europaea subsp. *cuspidata*

Regional Recommended Measure
An exclusion zone is established for all land in the region, except the core infestation which includes parts of: Dungog Local Government Area, Lake Macquarie Local Government Area, Maitland Local Government Area, MidCoast Local Government Area, Port Stephens Local Government Area, Singleton Local Government Area.

Entire Hunter Local Land Services region: Land managers should mitigate the risk of the plant being introduced to their land. Exclusion zone: Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Core infestation: Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Alligator weed](#)

Alternanthera philoxeroides

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Alligator weed](#)

Alternanthera philoxeroides

Biosecurity Zone

The Alligator Weed Biosecurity Zone is established for all land within the state except land in the following regions: Greater Sydney; Hunter (but only in the local government areas of City of Lake Macquarie, City of Maitland, City of Newcastle or Port Stephens). *Within the Biosecurity Zone this weed must be eradicated where practicable, or as much of the weed destroyed as practicable, and any remaining weed suppressed. The local control authority must be notified of any new infestations of this weed within the Biosecurity Zone*

[Alligator weed](#)

Alternanthera philoxeroides

Regional Recommended Measure

An Alligator Weed Biosecurity Zone is established for all land within the Hunter Local Land Services region except land in the following local government areas: Lake Macquarie Local Government Area, Maitland Local Government Area, Newcastle Local Government Area, Port Stephens Local Government Area.

Entire Hunter Local Land Services region: A person must not, import into the State or sell. Within the biosecurity zone: If the weed is part of a new infestation of the weed on the land, notify the local control authority for the land as soon as practicable. Eradicate the weed or, if that is not practicable, destroy as much of the weed as is practicable and suppress the spread of any remaining weed. Outside the biosecurity zone: Land managers should mitigate spread of the plant from their land. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Anchored water hyacinth](#)

Eichhornia azurea

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

[Arrowhead](#)

Sagittaria calycina var. *calycina*

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings

include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Notify local control authority if found.

[Asparagus fern](#)

Asparagus virgatus

Regional Recommended Measure

An exclusion zone is established for all land in the region, except the core infestation which includes parts of: MidCoast Local Government Area. Entire Hunter Local Land Services region: Land managers should mitigate the risk of the plant being introduced to their land. Exclusion zone: Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Core infestation: Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Athel pine](#)

Tamarix aphylla

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Bellyache bush](#)

Jatropha gossypifolia

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Bitou bush](#)

Chrysanthemoides monilifera subsp. *rotundata*

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Bitou bush](#)

Chrysanthemoides monilifera subsp. *rotundata*

Biosecurity Zone

The Bitou Bush Biosecurity Zone is established for all land within the State except land within 10 kilometres of the mean high water mark of the Pacific Ocean between Cape Byron in the north and Point Perpendicular in the south.

Within the Biosecurity Zone this weed must be eradicated where practicable, or as much of the weed destroyed as practicable, and any remaining weed suppressed. The local control authority must be notified of any new infestations of this weed within the Biosecurity Zone

[Bitou bush](#)

Chrysanthemoides monilifera subsp. *rotundata*

Regional Recommended Measure

A Bitou Bush Biosecurity Zone is established for all land within the Hunter Local Land Services Region except land within 10 kilometres of the mean high water mark of the Pacific Ocean, which includes parts of: Lake Macquarie Local Government Area, MidCoast Local Government Area, Newcastle Local Government Area, Port Stephens Local Government Area. *Entire Hunter Local Land Services region: A person must not, import into the State or sell. Within the biosecurity zone: If the weed is part of a new infestation of the weed on the land, notify the local control authority for the land as soon as practicable. Eradicate the weed or, if that is not practicable, destroy as much of the weed as is practicable and suppress the spread of any remaining weed. Outside the*

biosecurity zone: Land managers should mitigate spread of the plant from their land. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Black knapweed](#)

Centaurea x moncktonii

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

[Black locust](#)

Robinia pseudoacacia

Regional Recommended Measure

An exclusion zone is established for all land in the region, except the core infestation which includes all urban centres of the Hunter region. Entire Hunter Local Land Services region: Land managers should mitigate the risk of the plant being introduced to their land. Exclusion zone: Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Core infestation: Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Black willow](#)

Salix nigra

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Blackberry](#)

Rubus fruticosus species aggregate

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

All species in the *Rubus fruticosus* species aggregate have this requirement, except for the varieties Black Satin, Chehalem, Chester Thornless, Dirksen Thornless, Loch Ness, Murrindindi, Silvan, Smooth Stem, and Thornfree

[Blackberry](#)

Rubus fruticosus species aggregate

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Blind cactus](#)

Opuntia rufida

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Blind cactus](#)

Opuntia rufida

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should

reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Blue heliotrope](#)

Heliotropium amplexicaule

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Blue periwinkle](#)

Vinca major

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Boneseed](#)

Chrysanthemoides monilifera subsp. *monilifera*

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Boneseed](#)

Chrysanthemoides monilifera subsp. *monilifera*

Control Order

*Boneseed Control Zone: Whole of NSW
Boneseed Control Zone (Whole of NSW): Owners and occupiers of land on which there is boneseed must notify the local control authority of new infestations; immediately destroy the plants; ensure subsequent generations are destroyed; and ensure the land is*

kept free of the plant. A person who deals with a carrier of boneseed must ensure the plant (and any seed and propagules) is not moved from the land; and immediately notify the local control authority of the presence of the plant.

[Boxing glove cactus](#)

Cylindropuntia fulgida var. *mamillata*

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Boxing glove cactus](#)

Cylindropuntia fulgida var. *mamillata*

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Bridal creeper](#)

Asparagus asparagoides

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

***this requirement also applies to the Western Cape form of bridal creeper**

[Bridal creeper](#)

Asparagus asparagoides

Regional Recommended Measure

An exclusion zone is established for all land in the region, except the core infestation which includes: Dungog Local Government Area, Lake Macquarie Local Government Area, Cessnock Local Government Area, MidCoast Local Government Area. Entire Hunter Local Land Services region: Land managers should mitigate the risk of the plant being introduced to their land. Exclusion zone: Notify

local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Core infestation: Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Bridal veil creeper](#)

Asparagus declinatus

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

[Broad-leaf pepper tree](#)

Schinus terebinthifolius

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Broomrapes](#)

Orobancha species

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of

Primary Industries

All species of Orobanche are Prohibited Matter in NSW, except Clover broomrape, Orobanche minor and Australian broomrape, Orobanche cernua var. australiana.

[Brown-spined Hudson pear](#)

Cylindropuntia tunicata

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Bunny ears cactus](#)

Opuntia microdasys

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Bunny ears cactus](#)

Opuntia microdasys

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Cabomba](#)

Cabomba caroliniana

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Cabomba](#)

Cabomba caroliniana

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Camphor laurel](#)

Cinnamomum camphora

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Cane cactus](#)

Austrocylindropuntia cylindrica

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

All species in the *Austrocylindropuntia* genus have this requirement

[Cane cactus](#)

Austrocylindropuntia cylindrica

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Notify local control authority if found.

[Cape broom](#)

Genista monspessulana

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Cape broom](#)

Genista monspessulana

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Cat's claw creeper](#)

Dolichandra unguis-cati

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Cat's claw creeper](#)

Dolichandra unguis-cati

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Chicken dance cactus](#)

Opuntia schickendantzii

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Chicken dance cactus](#)

Opuntia schickendantzii

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate

spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Chilean needle grass](#)

Nassella neesiana

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Chilean needle grass](#)

Nassella neesiana

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Chinese celtis](#)

Celtis sinensis

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Chinese knotweed](#)

Persicaria chinensis

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying,

selling, growing, moving, carrying or releasing the plant.

[Chinese tallow tree](#)

Triadica sebifera

Regional Recommended Measure

An exclusion zone is established for all land in the region, except the core infestation which includes all urban centres of the Hunter region.

Entire Hunter Local Land Services region: Land managers should mitigate the risk of the plant being introduced to their land. Exclusion zone: Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Core infestation: Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Chinese violet](#)

Asystasia gangetica subsp. *micrantha*

Control Order

Owners and occupiers of land on which there is Chinese violet must notify the local control authority for the area if the Chinese violet is part of a new infestation on the land, destroy all Chinese violet on the land ensuring that subsequent generations of Chinese violet are destroyed; and keep the land free of Chinese violet. A person who deals with a carrier of Chinese violet must ensure the plant (and any seed and propagules) is not moved from the land; and immediately notify the local

control authority of the presence of the plant on the land, or on or in a carrier.

[Climbing asparagus](#)

Asparagus africanus

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Climbing asparagus](#)

Asparagus africanus

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Climbing asparagus fern](#)

Asparagus plumosus

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Cockspur coral tree](#)

Erythrina crista-galli

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Common pear](#)

Opuntia stricta

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Common pear](#)

Opuntia stricta

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Coolatai grass](#)

Hyparrhenia hirta

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Coral creeper](#)

Barleria repens

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Cotoneaster](#)

Cotoneaster glaucophyllus

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on

assets of high economic, environmental and/or social value.

[Crofton weed](#)

Ageratina adenophora

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[East Indian hygrophila](#)

Hygrophila polysperma

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Notify local control authority if found.

[Espartillo - broad kernel](#)

Amelichloa caudata

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Notify local control authority if found.

[Espartillo - narrow kernel](#)

Amelichloa brachychaeta

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their

land. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Notify local control authority if found.

[Eurasian water milfoil](#)

Myriophyllum spicatum

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

[Eve's needle cactus](#)

Austrocylindropuntia subulata

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

All species in the *Austrocylindropuntia* genus have this requirement

[Eve's needle cactus](#)

Austrocylindropuntia subulata

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Notify local control authority if found.

[Fireweed](#)

Senecio madagascariensis

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Flax-leaf broom](#)

Genista linifolia

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Foxtail fern](#)

Asparagus densiflorus

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Frogbit](#)

Limnobium laevigatum

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

All species of Limnobium are Prohibited Matter

[Galenia](#)

Galenia pubescens

Regional Recommended Measure

An exclusion zone is established for all land in the region, except the core infestation which includes parts of: Lake Macquarie Local Government Area, Maitland Local Government Area, Muswellbrook Local Government Area, Newcastle Local Government Area, Singleton Local Government Area, Upper Hunter Local Government Area.

Entire Hunter Local Land Services region: Land managers should mitigate the risk of the plant being introduced to their land. Exclusion zone: Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing

the plant. Core infestation: Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Gamba grass](#)

Andropogon gayanus

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

[Giant devil's fig](#)

Solanum chrysotrichum

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Notify local control authority if found.

[Giant Parramatta grass](#)

Sporobolus fertilis

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Giant rat's tail grass](#)

Sporobolus pyramidalis

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Giant reed](#)

Arundo donax

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Glory lily](#)

Gloriosa superba

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Gorse](#)

Ulex europaeus

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Gorse](#)

Ulex europaeus

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the

plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Green cestrum](#)

Cestrum parqui

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Grey willow](#)

Salix cinerea

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Ground asparagus](#)

Asparagus aethiopicus

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Ground asparagus](#)

Asparagus aethiopicus

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Groundsel bush](#)

Baccharis halimifolia

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Harrisia cactus](#)

Harrisia species

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Hawkweeds](#)

Pilosella species

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

All species in the genera *Pilosella* and *Hieracium* are Prohibited Matter except for *Hieracium murorum*.

[Honey locust](#)

Gleditsia triacanthos

Regional Recommended Measure

An exclusion zone is established for all land in the region, except the core infestation which includes: Lake Macquarie Local Government Area, Newcastle Local Government Area. Entire Hunter Local Land Services region: Land managers should mitigate the risk of the plant being introduced to their land. Exclusion zone: Notify

local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Core infestation: Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Horsetails](#)

Equisetum species

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Notify local control authority if found.

This Regional Recommended Measure applies to *Equisetum arvense*

[Hudson pear](#)

Cylindropuntia pallida

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Hudson pear](#)

Cylindropuntia pallida

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying,

selling, growing, moving, carrying or releasing the plant.

[Hydrocotyl](#)

Hydrocotyle ranunculoides

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

[Hygrophila](#)

Hygrophila costata

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Hymenachne](#)

Hymenachne amplexicaulis and hybrids

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Hymenachne](#)

Hymenachne amplexicaulis and hybrids

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Notify local control authority if found.

[Karoo acacia](#)

Vachellia karroo

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

[Kidney-leaf mud plantain](#)

Heteranthera reniformis

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Kochia](#)

Bassia scoparia

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

Excluding the subspecies *trichophylla*

[Koster's curse](#)

Clidemia hirta

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

[Kudzu](#)

Pueraria lobata

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should eradicate

the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Notify local control authority if found.

[Lagarosiphon](#)

Lagarosiphon major

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

[Lantana](#)

Lantana camara

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Lantana](#)

Lantana camara

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Leaf cactus](#)

Pereskia aculeata

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying,

selling, growing, moving, carrying or releasing the plant. Notify local control authority if found.

[Long-leaf willow primrose](#)

Ludwigia longifolia

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Ludwigia](#)

Ludwigia peruviana

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Madeira vine](#)

Anredera cordifolia

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Mahonia](#)

Berberis lomariifolia

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or

releasing the plant. Notify local control authority if found.

[Mesquite](#)

Prosopis species

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

All species in the genus *Prosopis* have this requirement

[Mexican feather grass](#)

Nassella tenuissima

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

[Miconia](#)

Miconia species

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

All species of *Miconia* are Prohibited Matter in NSW

[Mikania vine](#)

Mikania micrantha

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

***all species in the genus *Mikania* are Prohibited Matter in NSW**

[Mimosa](#)

Mimosa pigra

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

[Ming asparagus fern](#)

Asparagus macowanii

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Mistflower](#)

Ageratina riparia

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Mother-of-millions](#)

Bryophyllum species

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on

assets of high economic, environmental and/or social value.

[Mysore thorn](#)

Caesalpinia decapetala

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Nodding thistle](#)

Carduus nutans subsp. *nutans*

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Ox-eye daisy](#)

Leucanthemum vulgare

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Pampas grass](#)

Cortaderia species

Regional Recommended Measure

*An exclusion zone is established for all land in the region, except the core infestation which includes parts of: Lake Macquarie Local Government Area.
Entire Hunter Local Land Services*

region: Land managers should mitigate the risk of the plant being introduced to their land. Exclusion zone: Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Core infestation: Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Parkinsonia](#)

Parkinsonia aculeata

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Parkinsonia](#)

Parkinsonia aculeata

Control Order

Parkinsonia Control Zone: Whole of NSW

Parkinsonia Control Zone (Whole of NSW): Owners and occupiers of land on which there is parkinsonia must notify the local control authority of new infestations; immediately destroy the plants; ensure subsequent generations are destroyed; and ensure the land is kept free of the plant. A person who deals with a carrier of parkinsonia must ensure the plant (and any seed and propagules) is not moved from the land; and immediately notify the local control authority of the presence of the plant.

[Parthenium weed](#)

Parthenium hysterophorus

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

[Parthenium weed](#)

Parthenium hysterophorus

Prohibition on certain dealings

The following equipment must not be imported into NSW from Queensland: grain harvesters (including the comb or front), comb trailers (including the comb or front), bins used for holding grain during harvest operations, augers or similar for moving grain, vehicles used to transport grain harvesters, support vehicles driven in paddocks during harvest operations, mineral exploration drilling rigs and vehicles used to transport those rigs, unless set out as an exception in Division 5, Part 2 of the Biosecurity Order (Permitted Activities) 2017

[Paterson's curse](#)

Echium plantagineum

Regional Recommended Measure

An exclusion zone is established for all land in the region, except the core infestation which includes parts of: Dungog Local Government Area, Maitland Local Government Area, Muswellbrook Local Government Area, Singleton Local Government Area, Upper Hunter Local Government Area. Entire Hunter Local Land Services region: Land managers should mitigate the risk of the plant being introduced to their land. Exclusion zone: Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include

but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Core infestation: Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Plume poppy](#)

Bocconia frutescens

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Notify local control authority if found.

[Pond apple](#)

Annona glabra

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

[Prickly acacia](#)

Vachellia nilotica

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

[Prickly pears - Austrocyllindropuntias](#)

Austrocyllindropuntia species

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

All species in the *Austrocyllindropuntia* genus have this requirement

[Prickly pears - Austrocyllindropuntias](#)

Austrocyllindropuntia species

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Notify local control authority if found.

[Prickly pears - Cyllindropuntias](#)

Cyllindropuntia species

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

All species in the *Cyllindropuntia* genus have this requirement

[Prickly pears - Cyllindropuntias](#)

Cyllindropuntia species

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Prickly pears - Opuntias](#)

Opuntia species

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

**For all *Opuntia* species except
for *Opuntia ficus-indica* (Indian fig).**

[Prickly pears - Opuntias](#)

Opuntia species

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

This Regional Recommended Measure applies to all species of *Opuntia* except for *Opuntia ficus-indica*. (Indian fig).

[Rattlepod](#)

Crotalaria beddomeana

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Rhus tree](#)

Toxicodendron succedaneum

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Riverina pear](#)

Opuntia elata

Prohibition on certain dealings

Must not be imported into the state,

sold, bartered, exchanged or offered for sale.

[Riverina pear](#)

Opuntia elata

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Rope pear](#)

Cylindropuntia imbricata

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

All species in the *Cylindropuntia* genus have this requirement

[Rope pear](#)

Cylindropuntia imbricata

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Rubber vine](#)

Cryptostegia grandiflora

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

[Sagittaria](#)

Sagittaria platyphylla

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Sagittaria](#)

Sagittaria platyphylla

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Salvinia](#)

Salvinia molesta

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Salvinia](#)

Salvinia molesta

Regional Recommended Measure

An exclusion zone is established for all land in the region, except the core infestation which includes parts of: Lake Macquarie Local Government Area, MidCoast Local Government Area, Port Stephens Local Government Area.
Entire Hunter Local Land Services region: Land managers should mitigate the risk of the plant being introduced to their land. Exclusion zone: Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Core infestation: Land managers should mitigate spread of

the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

This Regional Recommended Measure applies to *Salvinia molesta* and *Salvinia minima*

[Scotch broom](#)

Cytisus scoparius subsp. *scoparius*

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Scotch broom](#)

Cytisus scoparius subsp. *scoparius*

Regional Recommended Measure

An exclusion zone is established for all land in the region, except the core infestation which includes parts of: MidCoast Local Government Area, Upper Hunter Local Government Area. *Entire Hunter Local Land Services region: Land managers should mitigate the risk of the plant being introduced to their land. Exclusion zone: Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Core infestation: Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.*

[Sea spurge](#)

Euphorbia paralias

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Senegal tea plant](#)

Gymnocoronis spilanthoides

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Serrated tussock](#)

Nassella trichotoma

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Serrated tussock](#)

Nassella trichotoma

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Notify local control authority if found.

[Siam weed](#)

Chromolaena odorata

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the

presence of prohibited matter must immediately notify the Department of Primary Industries

[Sicilian sea lavender](#)

Limonium hyblaenum

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Notify local control authority if found.

[Sicklethorn](#)

Asparagus falcatus

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Notify local control authority if found.

[Silverleaf nightshade](#)

Solanum elaeagnifolium

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Silverleaf nightshade](#)

Solanum elaeagnifolium

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying,

selling, growing, moving, carrying or releasing the plant.

[Smooth tree pear](#)

Opuntia monacantha

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Smooth tree pear](#)

Opuntia monacantha

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Snakefeather](#)

Asparagus scandens

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Snakefeather](#)

Asparagus scandens

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Spiny rush](#)

Juncus acutus

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry

or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Spongeplant](#)

Limnobium spongia

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

All species of *Limnobium* are Prohibited Matter

[Spotted knapweed](#)

Centaurea stoebe subsp. *micranthos*

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

[St. John's wort](#)

Hypericum perforatum

Regional Recommended Measure

An exclusion zone is established for all land in the region, except parts of: MidCoast Local Government Area, Muswellbrook Local Government Area, Upper Hunter Local Government Area. Entire Hunter Local Land Services region: Land managers should mitigate the risk of the plant being introduced to their land. Exclusion zone: Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing

the plant. Core infestation: Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Sticky nightshade](#)

Solanum sisymbriifolium

Regional recommended measure for Central Tablelands from February 2020

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Telegraph weed](#)

Heterotheca grandiflora

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Tiger pear](#)

Opuntia aurantiaca

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Tiger pear](#)

Opuntia aurantiaca

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A

person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Tree-of-heaven](#)

Ailanthus altissima

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Tropical soda apple](#)

Solanum viarum

Control Order

*Tropical Soda Apple Control Zone: Whole of NSW
Tropical Soda Apple Control Zone (Whole of NSW): Owners and occupiers of land on which there is tropical soda apple must notify the local control authority of new infestations; destroy the plants including the fruit; ensure subsequent generations are destroyed; and ensure the land is kept free of the plant. A person who deals with a carrier of tropical soda apple must ensure the plant (and any seed and propagules) is not moved from the land; and immediately notify the local control authority of the presence of the plant on the land, or on or in a carrier.*

[Velvety tree pear](#)

Opuntia tomentosa

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Velvety tree pear](#)

Opuntia tomentosa

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Water caltrop](#)

Trapa species

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

All species in the *Trapa* genus are Prohibited Matter in NSW

[Water hyacinth](#)

Eichhornia crassipes

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Water hyacinth](#)

Eichhornia crassipes

Biosecurity Zone

The Water Hyacinth Biosecurity Zone applies to all land within the State, except for the following regions: Greater Sydney or North Coast, North West (but only the local government area of Moree Plains), Hunter (but only in the local government areas of City of Cessnock, City of Lake Macquarie, MidCoast, City of Maitland, City of Newcastle or Port Stephens), South East (but only in the local government areas of Eurobodalla, Kiama, City of Shellharbour, City of Shoalhaven or City of Wollongong).

Within the Biosecurity Zone this weed must be eradicated where practicable, or as much of the weed destroyed as practicable, and any remaining weed suppressed. The local control authority must be notified of any new infestations of this weed within the Biosecurity Zone

[Water hyacinth](#)

Eichhornia crassipes

Regional Recommended Measure

A Water Hyacinth Biosecurity Zone, is established for all land within the Hunter Local Land Services region except land in the following local government areas: Cessnock Local Government Area, Lake Macquarie Local Government Area, MidCoast Local Government Area, Maitland Local Government Area, Newcastle Local Government Area, Port Stephens Local Government Area.

Entire Hunter Local Land Services region: A person must not, import into the State or sell. Within the biosecurity zone: If the weed is part of a new infestation of the weed on the land, notify the local control authority for the land as soon as practicable. Eradicate the weed or, if that is not practicable, destroy as much of the weed as is practicable and suppress the spread of any remaining weed. Outside the biosecurity zone: Land managers should mitigate spread of the plant from their land. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

[Water lettuce](#)

Pistia stratiotes

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not

deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Water soldier](#)

Stratiotes aloides

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

[Water star grass](#)

Heteranthera zosterifolia

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant. Notify local control authority if found.

[Wheel cactus](#)

Opuntia robusta

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

[Wheel cactus](#)

Opuntia robusta

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the environment. Land managers should reduce the impact of the plant on

assets of high economic, environmental and/or social value.

[White blackberry](#)

Rubus niveus

Regional Recommended Measure

Notify local control authority if found. Land managers should eradicate the plant from the land and keep the land free of the plant. A person should not deal with the plant, where dealings include but are not limited to buying, selling, growing, moving, carrying or releasing the plant.

[Willows](#)

Salix species

Prohibition on certain dealings

Must not be imported into the state, sold, bartered, exchanged or offered for sale.

All species in the *Salix* genus have this requirement, except *Salix babylonica* (weeping willows), *Salix x calodendron* (pussy willow) and *Salix x reichardtii* (sterile pussy willow)

[Witchweeds](#)

Striga species

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

All species in the *Striga* genus are Prohibited Matter in NSW, except the native *Striga parviflora*

[Yellow bells](#)

Tecoma stans

Regional Recommended Measure

Land managers should mitigate the risk of the plant being introduced to their land. Land managers should mitigate spread of the plant from their land. A person should not buy, sell, move, carry or release the plant into the

environment. Land managers should reduce the impact of the plant on assets of high economic, environmental and/or social value.

Yellow burrhead

Limnocharis flava

Prohibited Matter

A person who deals with prohibited matter or a carrier of prohibited matter is guilty of an offence. A person who becomes aware of or suspects the presence of prohibited matter must immediately notify the Department of Primary Industries

27 August 2023

Terry Bignell

EDM ecological

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To Terry

Proposed Bridge Upgrade - Melville Ford Road, Aberglasslyn

Summary of results of investigations to determine if microbats are roosting in the bridge structure and recommendations of future actions:

Location: Melville Bridge, Aberglasslyn, NSW



Methods of investigations:

Two visits to Melville Bridge were conducted on the 14th and 15th of August 2023.

1. Bridge cavity searches:

Cavities that were able to be accessed were inspected using a torch to look for roosting microbats or evidence of recent roosting such as scats observed inside or at the entrance of the cavity. Not all of the bridge cavities could be searched due to cavity shape and length and also the water depth under the middle section of the bridge was too deep and flowing.

2. Dusk Exit watches:

Following the cavity searches, a dusk watch was conducted using 2 bat detector units (walkabout and Anabat Express), along with visually watching for any microbats observed flying from the bridge structure. The dusk watch survey was from 1740 to 1820 on both nights to cover the period when the microbats commonly exit their roosts.

The weather on the first night was calm and partly overcast following light rainfall during the afternoon up to dusk (temperature at 3pm was 14.2 degrees). The second night followed a dry warmer day and was calm and clear during the dusk watch (Temperature at 3pm was 18.2 degrees).

Results of investigations:

1. Bridge cavity visual inspections.

There were numerous cavities in the bridge structure, some that were unsuitable due to being wet during and after rain and other cavities that were dry and could be suitable for roosting microbats. In the cavities that were able to be viewed there was no signs of microbats observed. The middle section of bridge likely has cavities some of which the entry could be seen from a distance. The Large-footed Myotis *Myotis Macropus* will often choose the middle section of the bridge that is directly over the main part of the water body to roost and this is the section that was not able to be closely visually inspected.

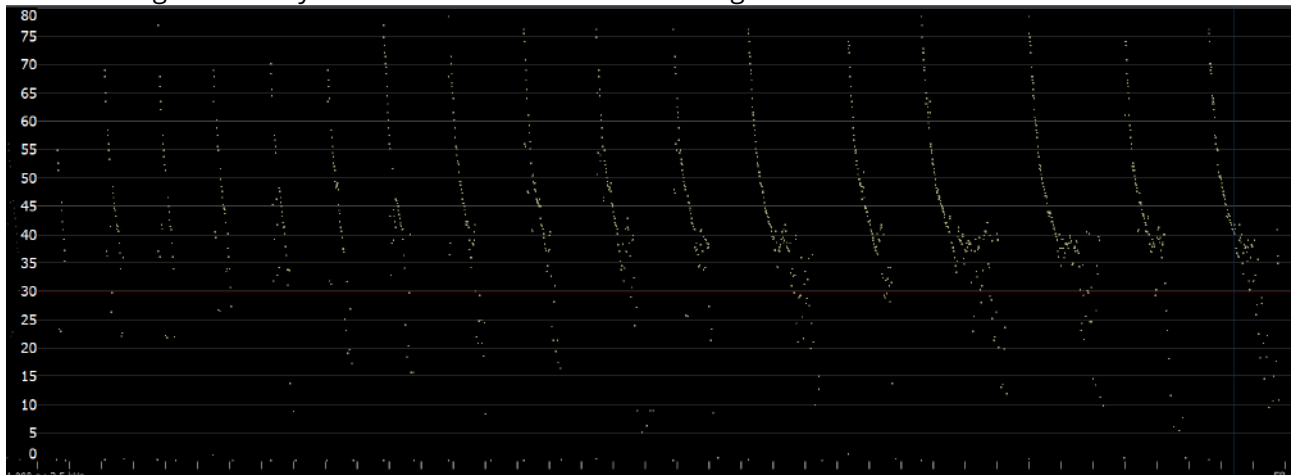
2. Dusk watch and Bat detector results.

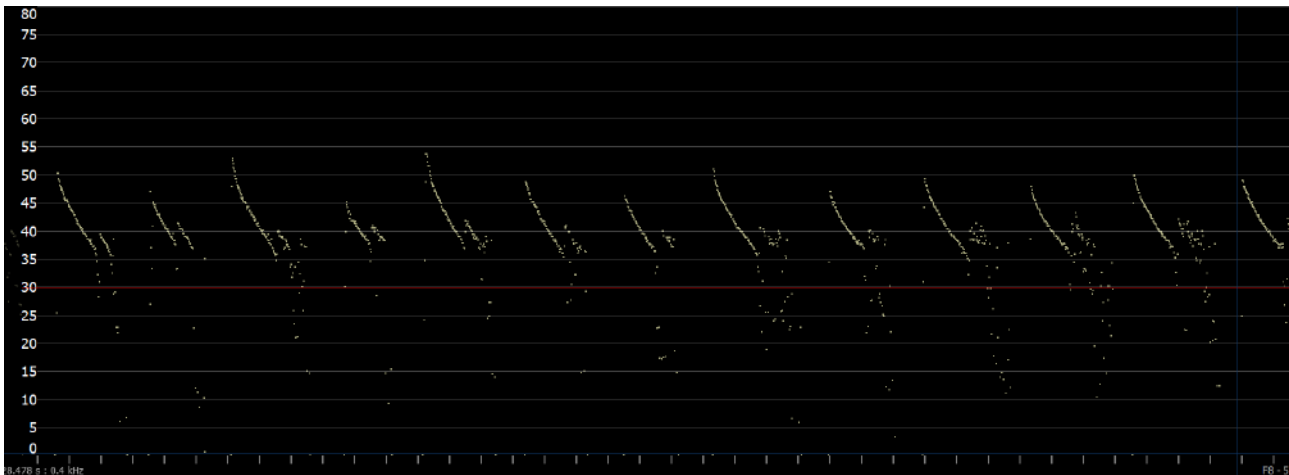
The bat detector results revealed calls of the Large-footed Myotis during the exit watch period. The earliest call on the first night was at 1753 followed by a call at 1754, 1808 and 1810.

On the second night probable Large-footed Myotis *Myotis Macropus* calls were recorded at 1802, 1805, 1807 and 1810.

Other microbat species recorded were Gould's wattled bat *Chalinolobus gouldi* which was flying over the bridge.

2 calls of Large-footed Myotis calls recorded on the 14th of August 2023.





Conclusion:

Based on the bridge structure inspection and bat call recordings it has to be assumed that the threatened microbat species Large-footed Myotis *Myotis Macropus* could possibly be roosting in the bridge structure and therefore further steps need to be taken. Firstly to attempt finding the exact roost location, putting plans in place for excluding any microbats using the bridge along with making sure no maternity colony arrives at the bridge if the old bridge is to be removed during the breeding season.

The low number of calls detected during the initial investigations suggests that if Large-footed Myotis are roosting in the bridge that it may only be 1 or 2 individuals currently.

Recommendations:

As it has been determined there are cavities in the bridge structure that could be suitable for roosting and Large-footed Myotis calls have been recorded during the dusk period, the following is recommended.

Step 2:

2a. If the old bridge is going to be left in place during and after new bridge is constructed:

- No actions may need to be taken if the microbat specialists determines that there will be no impact on roosting microbats during the construction of the new bridge. On site discussion with the manager of new bridge construction would help to determine if there would be any possible impacts.
- If there is deemed a concern the microbats may be disturbed then would require a microbat specialist to be on site to monitor the bats during the construction of new bridge. Some mitigation measures may need to be set up prior to works to help minimise disturbance.
- If direct disturbance occurs during works e.g. microbat flies out of roost or excessive calls heard from the microbats, there would have to be a stop work to allow the microbats to settle and discuss alternative measures e.g. baffles/shields to protect areas where microbats are roosting.

2b. If the old bridge is to be removed before or soon after new bridge is built:

- Microbat specialist to carry out two more visual inspections and dusk watches within two to three weeks prior to bridge removal to determine if there has been any increase in activity of Large-footed Myotis and attempt to locate possible roost in bridge structure.
- If there is an increase in activity it must be determined if there is a breeding colony present or not, as this would affect bridge deconstruction works scheduled date.
- It is of benefit to have a back-up plan of rescheduling works of dismantling the bridge if a breeding group of Large-footed Myotis was to be discovered closer to bridge removal date. Breeding period is between late September and early April, with this species known to have two birthing sessions.

2c. If only 1 or 2 individual bats are found roosting or still only minimal calls detected at dusk 2 to 3 weeks prior to bridge removal:

- Discussion with the bridge deconstruction team to plan out a method of least impact to roosting microbats. Advise them on where microbats are roosting or possibly roosting in the bridge structure.
- Place 2 microbat boxes under new bridge once constructed.
- As there are many cavities in the old timbers of the bridge, exclusion barriers may need to be hung down from both sides of the bridge after bats have exited roost at dusk to deter any bats from returning to this roost. E.g. continuous length of shade cloth to be hung from the bridge deck down both sides till touching water or sand as *Myotis* fly low over water.
- The exclusion barrier put in place at least 4 or 5 nights prior to bridge removal.
- Monitoring the exclusions at dawn, to make sure no microbats have become exposed to predators as it becomes lighter.
- Monitoring at dusk during the following days to make sure no bats have managed to get passed the exclusion barrier.
- Microbat specialist to be present during bridge removal to inspect cavities and components just prior to and during dismantling of the bridge to ensure avoidance of harm to microbats has been successful.
- If microbat is found, stop work, discuss and all efforts should be made to extract the microbat as safely as possible or works may need to be delayed for a day or two.
- If the microbat is found injured it would be taken to a vet or specialist wildlife carer.
- If not injured the microbat will be housed in calico bag inside a pet cage, kept in a quiet sheltered location and released at dusk.
- **NOTE:** Plans should be made to be able to leave components of bridge structure on site overnight if any cavities are not able to be inspected fully. This would allow any microbats if present inside a cavity to be able to vacate during the night.

2c. If the old bridge is to be removed and a maternity colony has been found prior to bridge removal date:

- Re schedule bridge removal until outside of the breeding period. April/May or August 2024.
- Alternative roosting habitat can be installed under the new bridge during the breeding season so the bats can discover it and know the roosting features are there to use after the old bridge is removed outside of the breeding season. Minimum of 4 bat boxes to be placed under new bridge.
- Bridge dismantled outside of breeding period - Exclusion barriers to be used if some Large-footed *Myotis* are still roosting in bridge - Cavity inspections and dusk surveys to check no bats have found their way past exclusion barriers.
- Alternative habitat under the new bridge would be inspected the day after exclusion to see if any microbats are present.
- When there is no signs of microbats using the old bridge, removal can proceed with a microbat specialist present in case of any unexpected finds.
- refer to previous section for more detail of recommendations.

Step 3: Report summarising inspection findings, steps taken to mitigate impacts and result outcomes.

If you have any questions please contact me on the contact details provided.

Kind regards
Narawan Williams
Fauna Ecologist
Microbat specialist

ABORIGINAL CULTURAL HERITAGE ASSESSMENT REPORT

***Melville Ford Bridge
Replacement Project
Melville
NSW 2320
(Maitland LGA)***



**Benjamin Streat, Steven J. Vasilakis
& Sarah Hannan**

Archaeological Management & Consulting Group

**for
Maitland City Council**

Final

November 2023

Disclaimer

The veracity of this report is not guaranteed unless it is a complete and original copy.

This report may be inaccurate, incomplete, not original, or modified, if it appears in monochrome form and the signature below is a copy.



*Benjamin Streat
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Cover Image

View downstream to Melville Ford Bridge.
AMAC (2023). IMG-4055.

ACKNOWLEDGEMENT OF COUNTRY

Maitland City Council would like to acknowledge the Traditional Custodians of the Maitland Area – the Wonnarua, Awabakal, and Darkinjung peoples– and pay respect to their cultural heritage, beliefs, and continuing relationship with the land.

Maitland City Council would also like to acknowledge the post contact experiences of Aboriginal peoples who have attachment to the Newcastle area.

“We pay our respect to the Elders – past, present and future – for they hold the memories, traditions, culture and hopes of Aboriginal Peoples in the area”.

Maitland City Council recognises the role of the registered Aboriginal parties in the management of the Aboriginal cultural heritage sites, landscape features and values of this project.

Maitland City Council would like to thank the Registered Aboriginal Parties for their participation in this project and for their valuable contribution to this Aboriginal Cultural Heritage Assessment which has been enriched by their willingness to share valuable aspects of their cultural knowledge especially in respect of Caring for Country.

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EXECUTIVE SUMMARY

Study Area

Archaeological Management and Consulting Group (AMAC) was commissioned by Maitland City Council in January 2023, to prepare an Aboriginal Cultural Heritage Assessment Report with an accompanying Aboriginal Archaeological Technical Report including a community collection under an Aboriginal Heritage Impact Permit (AHIP) with possible test excavation for the proposed replacement of Melville Ford Bridge, located between Melville Ford Road and Aberglasslyn Road, Melville, New South Wales, 2320.

Aboriginal Consultation

Consultation for this report has been undertaken in accordance with the *National Parks and Wildlife Act 1974*: Part 6; Aboriginal Cultural Heritage Consultation Requirements for Proponents (DECCW 2010).

The mandatory 28-day period for the Registered Aboriginal Parties (RAPs) to comment on this document has taken place. This is the final Aboriginal approved version of this document.

Significance

No formal significance has been assigned to the study area in this report.

Recommendations

The proposed works are proceeding under Part 5 of the *Environmental Planning & Assessment Act 1979* for works undertaken as Development without Consent in accordance with the State Environmental Planning Policy (Transport & Infrastructure) 2021. The proposed project, however, has the potential to disturb the ground surface impacting the entirety of the study area with regards to the construction of the new bridge, road re-alignment, and re-grading batter works.

The study area currently contains one registered Aboriginal site e.g., AHIMS Site 46-6-0060, consisting of an isolated artefact - Melville Bridge IF1. Due to the location of the Aboriginal site on the riverbank to the southeast of the bridge, the study area holds potential for Aboriginal objects/deposits with conservation value to be present. As a result, both an Aboriginal Heritage Impact Permit (AHIP) and Transport & Infrastructure (SEPP 2021) approval will need to be in place before any development impacts (Figures 8.1-8.5) can take place with further archaeological assessment recommended.

As part of the AHIP application, a community collection, should be conducted with the registered Aboriginal stakeholders prior to the development works proceeding. As deep soils are known in the study area and if proposed works encounter natural soils further assessment is required and the appropriate mitigation should take place as outlined in the recommendations below. In addition, according to the management recommendations proposed by the Mindaribba LALC, the artefact should be removed during the proposed works and reburied as close as possible to the artefact's current location.

The following recommendations have been formulated after consultation with the proponent and Heritage NSW:

- Consultation with the Registered Aboriginal Parties (RAPs) should continue, as per the requirements detailed in the Aboriginal Cultural Heritage Consultation Requirements for Proponents (DECCW, 2010).
- As the study area holds potential surface Aboriginal objects (e.g., Melville Bridge IF1) with potential conservation value, both an Aboriginal Heritage Impact Permit (AHIP) and Transport & Infrastructure (SEPP 2021) approval will need to be in place, before any development impacts (Figures 8.1-8.5) can proceed in accordance with Part 6; *National Parks and Wildlife Act 1974*.

It should be noted that an AHIP for impact will only be issued by Heritage NSW with the final Transport & Infrastructure (SEPP 2021) approval in place.

- The AHIP is to cover the proposed impact zones to known and unknown artefacts for which this Aboriginal Cultural Heritage Assessment Report, along with the Aboriginal Archaeological Technical Report, will form the Aboriginal Heritage Impact Permit (AHIP) application.
- As part of the AHIP application, a community collection as set out in Section 9.1, should be conducted with the registered Aboriginal stakeholders prior to the development works proceeding. In addition, the artefact - Melville Bridge IF1 - should be removed during the proposed works and reburied as close as possible to the artefact's current location.
- **If intact natural soils are encountered** as per Section 8.0 of this document, then appropriate mitigation will need to take place as outlined below.
- A Two-Stage approach has been proposed to establish the nature and extent of any archaeological objects and/or deposits that are/may be present:
 - Stage One will consist of ***monitoring the proposed bridge works*** by an AMAC archaeologist and a representative from one the registered Aboriginal parties (RAPs) to allow for a significant and representative area of the site to be sampled. If this stage indicates that **intact natural soil profiles and/or Aboriginal objects are present on site and it is warranted**, then this will trigger Stage Two.
 - Stage Two will consist of open area testing (see below), which will allow exploration of features identified in Stage One. Triggers for Stage Two excavation include: identification of natural soil profiles, features such as hearths; recovery of large numbers of Aboriginal objects, identification of multi-phase occupation, identification of areas of 'contact archaeology,' identification of different activity areas on site.
- Should Stage Two be triggered, a systematic sub surface archaeological test excavation in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales, Part 4 *National Parks and Wildlife Act 1974 (DECCW 2010)*, should be undertaken to establish the nature and extent of any archaeological objects and/or deposits that are/may be present. This is to take place prior to the development activity proceeding.
- If archaeological test excavation in accordance with the Code of Practice for Archaeological Investigations of Aboriginal Objects in New South Wales, Part 6 *National Parks and Wildlife Act 1974, (DECCW 2010)* **reveals no Aboriginal archaeological objects or deposits**, the proposed development as outlined in Figure 8.1-8.5, should be allowed to '*proceed with caution*.'

- In the event, archaeological test excavations **reveal Aboriginal archaeological objects or deposits**, the following is recommended. Once the nature and extent of the archaeological site has been established through test excavation, the data will be analysed and synthesised into a test excavation report. Dependent on the status of the project, a 2nd Aboriginal Heritage Impact Permit (AHIP) and/or Aboriginal Cultural Heritage Management Plan (ACHMP), is to be produced in order to allow the development to proceed.
- The registered site (AHIMS Site 46-6-0060) will need to be updated in the AHIMS database along with a completed site impact form.
- After this and before any ground disturbance takes place all development staff, contractors and workers should be briefed prior to works commencing on site, as to the status of the area and their responsibilities in ensuring preservation of the said area. They should also be informed of their responsibilities regarding any Indigenous archaeological deposits and/or objects that may be located during the following development and aware of the statutory legislation protecting sites or places of significance including the National Parks and Wildlife Amendment (Aboriginal Objects and Aboriginal Places) Regulation 2010, under the *National Parks and Wildlife Act 1974*.

If any Aboriginal archaeological deposits and/or objects are located during the development, then the following should take place:

- All work is to cease in the immediate vicinity of the deposits and/or objects.
- The area is to be demarcated.
- Heritage NSW, a qualified archaeologist, and the participating RAPs are to be notified.

Should any human remains be located during the development, then the following should take place:

- All excavation in the immediate vicinity of any objects of deposits shall cease immediately.
- The NSW police and Heritage NSW Enviroline be informed as soon as possible.
- Once it has been established that the human remains are Aboriginal ancestral remains, Heritage NSW and the relevant Registered Aboriginal Parties will identify the appropriate course of action.

Additional Recommendations:

Copies of the final version of this report should be forwarded to the following individuals and organisations:

- Heritage NSW
- Mindaribba Local Aboriginal Land Council
- Didge Ngunawal Clan
- Widescope Indigenous Group
- Corroboree Aboriginal Corporation
- Woka Aboriginal Corporation
- Awabakal Traditional Owners Corporation
- Ungooroo Aboriginal Corporation
- AGA Services
- Cacatua Culture Consultants
- Jarban & Mugrebea
- Gomery Cultural Consultants

- Murra Bidgee Mullangari Aboriginal Corporation
- Wallangan Cultural Services.

CONTACT DETAILS

The contact details for the following archaeologist, NSW Police, Heritage NSW, and Registered Aboriginal Parties are as follows:

Organisation	Contact	Contact Details
NSW Environment Line		131 555
NSW (Maitland) Police Area Command		PAC Office: 3 Caroline Place Maitland NSW 2320 Ph: (02) 4934 0200 Fax: (02) 4934 0311
Archaeological Management & Consulting Group Pty Ltd	Mr. Benjamin Streat or Mr. Martin Carney	122c-d Percival Road Stanmore NSW 2048 Ph:(02) 9568 6093 Fax:(02) 9568 6093 Mob: 0405 455 869 Mob: 0411 727 395 benjaminstreat@archaeological.com.au
Heritage NSW Department of Planning and Environment	Archaeologist – Head Office	Level 6 Valentine Avenue Parramatta, NSW 2150 Ph: (02) 9873 8500 heritagemailbox@environment.nsw.gov.au
Mindaribba Local Aboriginal Land Council (MLALC)	Cultural Heritage Officer	1A Chelmsford Dr. Metford NSW 2323 Ph: (02) 4015 7000 ceo@mindaribbalalc.org

1.0 INTRODUCTION

1.1 BACKGROUND

Archaeological Management and Consulting Group (AMAC) was commissioned by Maitland City Council in January 2023, to prepare an Aboriginal Cultural Heritage Assessment Report with an accompanying Aboriginal Archaeological Technical Report including a community collection under an Aboriginal Heritage Impact Permit (AHIP) with possible test excavation for the proposed replacement of Melville Ford Bridge, located between Melville Ford Road and Aberglasslyn Road, Melville, New South Wales, 2320.

This report has been carried out in accordance with the Guide to investigating, assessing, and reporting on Aboriginal cultural heritage in NSW (OEH 2011) and Part 6: *National Parks and Wildlife Act* Aboriginal Cultural Heritage Consultation Requirements for Proponents (DECCW 2010).

1.2 STUDY AREA

The study site is that piece of land described as Melville Ford Bridge, located between Melville Ford Road and Aberglasslyn Road, Melville, in the Parish of Middlehope, County of Durham (Figures 2.1–2.2).

1.3 SCOPE

The aims of this cultural heritage assessment are to assess the Aboriginal cultural heritage values of the study area, to provide registered Aboriginal persons or organisations who hold cultural knowledge relevant to determining the cultural significance of Aboriginal object(s) and/or place(s) within, or in the vicinity of the area of the proposed development, to present this knowledge for synthesis, analysis and compilation into a Cultural Heritage Assessment about the study area.

This report assessed the impact of the proposed development on any identified items or places of Aboriginal cultural heritage value and to develop mitigative strategies under the appropriate legislation for the management of Aboriginal archaeological and cultural heritage values of the study area. This process also involved the proponent and/or the proponent's representative to outline the project details and for the participating Aboriginal parties to have input into formulating mitigative strategies at identified points in the impact assessment process.

A research design, test excavation methodology and timeline for the completion of assessment process and report delivery has been developed and distributed to all stakeholders. With these clearly identified roles the methodology and project background were submitted to the participating Aboriginal stakeholders for review and input for a period of no less than 28 days.

This assessment is intended for submission in conjunction with the Appendix A: Aboriginal Archaeological Technical Report.

1.4 AUTHOR IDENTIFICATION

The analysis of the archaeological background and the reporting were undertaken by Mr. Benjamin Streat (BA, Grad Dip Arch Her, Grad Dip App Sc), Director of Indigenous Heritage in association with Mr. Steven J. Vasilakis (B. Arts. Hons.) senior archaeologist

and Ms. Sarah Hannan (B. Arts, B. Sc.) graduate archaeologist, under the guidance of Mr. Martin Carney archaeologist and Managing Director of AMAC Group.

1.5 LEGISLATIVE CONTEXT AND STATUTORY CONTROLS

This section of the report provides a brief outline of the relevant legislation and statutory instruments that protect Aboriginal archaeological and cultural heritage sites within the state of New South Wales. Some of the legislation and statutory instruments operate at a federal or local level and as such are applicable to Aboriginal archaeological and cultural heritage sites in New South Wales. This material is not legal advice and is based purely on the author's understanding of the legislation and statutory instruments. This document seeks to meet the requirements of the legislation and statutory instruments set out within this section of the report.

1.5.1 Commonwealth Heritage Legislation and Lists

One piece of legislation and two statutory lists are maintained and were consulted as part of this report: the *Environmental Protection and Biodiversity Conservation Act 1999*; the National Heritage List and the Commonwealth Heritage List.

1.5.1.1 Environmental Protection and Biodiversity Conservation Act 1999

The *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) offers provisions to protect matters of national environmental significance. This act establishes the National Heritage List and the Commonwealth Heritage List which can include natural, Indigenous and historic places of value to the nation. This Act helps ensure that the natural, Aboriginal and historic heritage values of places under Commonwealth ownership or control are identified, protected and managed (Australian Government 1999).

1.5.1.2 National Heritage List

The National Heritage List is a list which contains places, items and areas of outstanding heritage value to Australia; this can include places, items and areas overseas as well as items of Aboriginal significance and origin. These places are protected under the Australian Government's *EPBC Act*.

1.5.1.3 Commonwealth Heritage List

The Commonwealth Heritage List can include natural, Indigenous and historic places of value to the nation. Items on this list are under Commonwealth ownership or control and as such are identified, protected and managed by the Federal Government.

1.5.2 New South Wales State Heritage Legislation and Lists

The state (NSW) based legislation that is of relevance to this assessment comes in the form of the acts which are outlined below.

1.5.2.1 National Parks and Wildlife Act 1974

The NSW *National Parks and Wildlife Act 1974* (as amended) defines Aboriginal objects and provides protection to any and all material remains which may be evidence of the Aboriginal occupation of lands continued within the state of New South Wales. The relevant sections of the Act are sections 84, 86, 87 and 90.

An Aboriginal object, formerly known as a relic is defined as:

‘any deposit, object or material evidence (not being a handicraft made for sale) relating to the Aboriginal habitation of the area that comprises New South Wales, being habitation before or concurrent with (or both) the occupation of that area by persons of non-Aboriginal extraction, and includes Aboriginal remains’ (NSW Government, 1974).

It is an offence to harm or desecrate an Aboriginal object or places under Part 6, Section 86 of the *NPW Act*.

Part 6, Division 1, Section 86: Harming or desecrating Aboriginal objects and Aboriginal places:

- (1) *A person must not harm or desecrate an object that the person knows is an Aboriginal object.*

Maximum penalty:

- (a) *in the case of an individual—2,500 penalty units or imprisonment for 1 year, or both, or (in circumstances of aggravation) 5,000 penalty units or imprisonment for 2 years, or both, or*
(b) *in the case of a corporation—10,000 penalty units.*

- (2) *A person must not harm an Aboriginal object.*

Maximum penalty:

- (a) *in the case of an individual—500 penalty units or (in circumstances of aggravation) 1,000 penalty units, or*
(b) *in the case of a corporation—2,000 penalty units.*

- (3) *For the purposes of this section, **circumstances of aggravation** are:*

- (a) *that the offence was committed in the course of carrying out a commercial activity, or*
(b) *that the offence was the second or subsequent occasion on which the offender was convicted of an offence under this section.*

This subsection does not apply unless the circumstances of aggravation were identified in the court attendance notice or summons for the offence.

- (4) *A person must not harm or desecrate an Aboriginal place.*

Maximum penalty:

- (a) *in the case of an individual—5,000 penalty units or imprisonment for 2 years, or both, or*
(b) *in the case of a corporation—10,000 penalty units.*

- (5) *The offences under subsections (2) and (4) are offences of strict liability and the defence of honest and reasonable mistake of fact applies.*
(6) *Subsections (1) and (2) do not apply with respect to an Aboriginal object that is dealt with in accordance with section 85A.*
(7) *A single prosecution for an offence under subsection (1) or (2) may relate to a single Aboriginal object or a group of Aboriginal objects.*
(8) *If, in proceedings for an offence under subsection (1), the court is satisfied that, at the time the accused harmed the Aboriginal object concerned, the accused did not know that the object was an Aboriginal object, the court may find an offence proved under subsection (2).*

1.5.2.2 Environmental Planning & Assessment Act 1979

The Environmental Planning and Assessment Act 1979 (EP&A Act) states that environmental impacts of proposed developments must be considered in land use planning procedures. Four parts of this act relate to Aboriginal cultural heritage.

- Part 3, divisions 3 and 4 refer to Regional strategic plans and both Local Environmental Plans (LEP) and Development Control Plans (DCP), which are environmental planning instruments and call for the assessment of Aboriginal heritage among other requirements.
- Part 4 determines what developments require consent and what developments do not require consent. Section 4.15 calls for the evaluation of

The likely impacts of that development, including environmental impacts on both the natural and built environments and the social and economic impacts in the locality (NSW Government 1979).

This part of the legislation also addresses State Significant Developments as mentioned in division 4.7 with section 4.38 outlining the consent for State Significant Development in relation to the environmental planning instruments.

- Part 5 of this Act requires that impacts on a locality which may have an impact on the aesthetic, anthropological, architectural, cultural, historic, scientific, recreational or scenic value are considered as part of the development application process (NSW Government, 1979).

1.5.2.3 The Aboriginal Land Rights Act 1983

The NSW *Aboriginal Land Rights Act 1983* (ALR Act), administered by the NSW Department of Aboriginal Affairs, established the NSW Aboriginal Land Council (NSWALC) and Local Aboriginal Land Councils (LALCs). The ALR Act requires these bodies to:

- take action to protect the culture and heritage of Aboriginal persons in the council's area, subject to any other law
- promote awareness in the community of the culture and heritage of Aboriginal persons in the council's area.

These requirements recognise and acknowledge the statutory role and responsibilities of New South Wales Aboriginal Land Council and Local Aboriginal Land Councils. The ALR Act also establishes the Office of the Registrar whose functions include but are not limited to, maintaining the Register of Aboriginal Land Claims and the Register of Aboriginal Owners.

Under the ALR Act the Office of the Registrar is to give priority to the entry in the Register of the names of Aboriginal persons who have a cultural association with:

- lands listed in Schedule 14 to the NPW Act
- lands to which section 36A of the ALR Act applies (NSW Government, 1974 & DECCW 2010).

1.5.2.4 The Native Title Act 1993

The *Native Title Act 1993* (NTA) provides the legislative framework to:

- recognise and protect native title
- establish ways in which future dealings affecting native title may proceed, and to set standards for those dealings, including providing certain procedural rights for registered native title claimants and native title holders in relation to acts which affect native title

- establish a mechanism for determining claims to native title
- provide for, or permit, the validation of past acts invalidated because of the existence of native title.

The National Native Title Tribunal has a number of functions under the NTA including maintaining the Register of Native Title Claims, the National Native Title Register and the Register of Indigenous Land Use Agreements and mediating native title claims (NSW Government, 1974 & DECCW 2010).

1.5.2.5 New South Wales Heritage Register and Inventory 1999

The State Heritage Register is a list of places and objects of particular importance to the people of NSW. The register lists a diverse range of over 1,500 items, in both private and public ownership. Places can be nominated by any person to be considered to be listed on the Heritage register. To be placed an item must be significant for the whole of NSW. The State Heritage Inventory lists items that are listed in local council's local environmental plan (LEP) or in a regional environmental plan (REP) and are of local significance.

1.5.2.6 Register of Declared Aboriginal Places 1999

The NPW Act protects areas of land that have recognised values of significance to Aboriginal people. These areas may or may not contain Aboriginal objects (i.e. any physical evidence of Aboriginal occupation or use). Places can be nominated by any person to be considered for Aboriginal Place gazettal. Once nominated, a recommendation can be made to EPA/OEH for consideration by the Minister. The Minister declares an area to be an 'Aboriginal place' if the Minister believes that the place is or was of special significance to Aboriginal culture. An area can have spiritual, natural resource usage, historical, social, educational or other type of significance. Under section 86 of the NPW Act it is an offence to harm or desecrate a declared Aboriginal place. Harm includes destroying, defacing or damaging an Aboriginal place. The potential impacts of the development on an Aboriginal place must be assessed if the development will be in the vicinity of an Aboriginal place (DECCW 2010).

1.5.3 Local Planning Instruments

1.5.3.1 Maitland Local Environmental Plan 2011

The Maitland City Council Local Environment Plan was endorsed in 2011. Heritage Conservation is discussed in Part 5; Clause 5.10. The following section highlights the archaeological considerations of a site in relation to developments:

5.10 Heritage conservation

(1) Objectives

The objectives of this clause are as follows:

- (a) *to conserve the environmental heritage of Maitland,*
- (b) *to conserve the heritage significance of heritage items and heritage conservation areas, including associated fabric, settings and views,*
- (c) *to conserve archaeological sites,*
- (d) *to conserve Aboriginal objects and Aboriginal places of heritage significance.*

(2) Requirement for consent

Development consent is required for any of the following:

- (a) *demolishing or moving any of the following or altering the exterior of any of the following (including, in the case of a building, making changes to its detail, fabric, finish or appearance):*
 - (i) *a heritage item,*
 - (ii) *an Aboriginal object,*
 - (iii) *a building, work, relic or tree within a heritage conservation area,*
- (b) *altering a heritage item that is a building by making structural changes to its interior or by making changes to anything inside the item that is specified in Schedule 5 in relation to the item,*
- (c) *disturbing or excavating an archaeological site while knowing, or having reasonable cause to suspect, that the disturbance or excavation will or is likely to result in a relic being discovered, exposed, moved, damaged or destroyed,*
- (d) *disturbing or excavating an Aboriginal place of heritage significance,*
- (e) *erecting a building on land:*
 - (i) *on which a heritage item is located or that is within a heritage conservation area, or*
 - (ii) *on which an Aboriginal object is located or that is within an Aboriginal place of heritage significance,*
- (f) *subdividing land:*
 - (i) *on which a heritage item is located or that is within a heritage conservation area, or*
 - (ii) *on which an Aboriginal object is located or that is within an Aboriginal place of heritage significance.*

(3) When consent not required

However, development consent under this clause is not required if:

- (a) *the applicant has notified the consent authority of the proposed development and the consent authority has advised the applicant in writing before any work is carried out that it is satisfied that the proposed development:*
 - (i) *is of a minor nature or is for the maintenance of the heritage item, Aboriginal object, Aboriginal place of heritage significance or archaeological site or a building, work, relic, tree or place within the heritage conservation area, and*
 - (ii) *would not adversely affect the heritage significance of the heritage item, Aboriginal object, Aboriginal place, archaeological site or heritage conservation area, or*
- (b) *the development is in a cemetery or burial ground and the proposed development:*
 - (i) *is the creation of a new grave or monument, or excavation or disturbance of land for the purpose of conserving or repairing monuments or grave markers, and*
 - (ii) *would not cause disturbance to human remains, relics, Aboriginal objects in the form of grave goods, or to an Aboriginal place of heritage significance, or*
- (c) *the development is limited to the removal of a tree or other vegetation that the Council is satisfied is a risk to human life or property, or*
- (d) *the development is exempt development.*

(8) Aboriginal places of heritage significance

The consent authority must, before granting consent under this clause to the carrying out of development in an Aboriginal place of heritage significance:

- (a) *consider the effect of the proposed development on the heritage significance of the place and any Aboriginal object known or reasonably likely to be located at the place by means of an adequate investigation and assessment (which may involve consideration of a heritage impact statement), and*
- (b) *notify the local Aboriginal communities, in writing or in such other manner as may be appropriate, about the application and take into consideration any response received within 28 days after the notice is sent*

(10) Conservation incentives

The consent authority may grant consent to development for any purpose of a building that is a heritage item or of the land on which such a building is erected, or for any purpose on an Aboriginal place of heritage significance, even though development for that purpose would otherwise not be allowed by this Plan, if the consent authority is satisfied that:

- (a) *the conservation of the heritage item or Aboriginal place of heritage significance is facilitated by the granting of consent, and*
- (b) *the proposed development is in accordance with a heritage management document that has been approved by the consent authority, and*
- (c) *the consent to the proposed development would require that all necessary conservation work identified in the heritage management document is carried out, and*
- (d) *the proposed development would not adversely affect the heritage significance of the heritage item, including its setting, or the heritage significance of the Aboriginal place of heritage significance, and*
- (e) *the proposed development would not have any significant adverse effect on the amenity of the surrounding area*

1.5.4 Code of Practice for Archaeological Investigation of Aboriginal objects in New South Wales

Any further work resulting from recommendations should be carried out conforming to the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales, Part 6 *National Parks and Wildlife Act 1974*, (DECCW 2010).

1.5.5 Guidelines

This report has been carried out in consultation with the following documents which advocate best practice in New South Wales:

- Aboriginal Archaeological Survey, Guidelines for Archaeological Survey Reporting (NSW NPWS 1998)
- Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales, Part 6 *National Parks and Wildlife Act 1974*, (DECCW 2010)
- Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales, Part 6 *National Parks and Wildlife Act 1974*, (DECCW 2010)
- Aboriginal Cultural Heritage Standards and Guidelines Kit (NPWS 1998)
- Australia ICOMOS 'Burra' Charter for the conservation of culturally significant places (Australia ICOMOS 1999)
- Guide to investigating, assessing and reporting on Aboriginal cultural heritage in NSW, Part 6 *National Parks and Wildlife Act 1974* (OEH 2011)
- Part 6; *National Parks and Wildlife Act* Aboriginal Cultural Heritage Consultation Requirements for Proponents (DECCW 2010)

- Protecting Local Heritage Places: A Guide for Communities (Australian Heritage Commission 1999).

1.6 ACKNOWLEDGEMENTS

The author would like to thank the following for advice and/or input into this assessment:

- Maitland City Council
- Mindaribba Local Aboriginal Land Council
- Didge Ngunawal Clan
- Widescope Indigenous Group
- Corroboree Aboriginal Corporation
- Woka Aboriginal Corporation
- Awabakal Traditional Owners Corporation
- Ungooroo Aboriginal Corporation
- AGA Services
- Cacatua Culture Consultants
- Jarban & Mugrebea
- Gomery Cultural Consultants
- Murra Bidgee Mullangari Aboriginal Corporation
- Wallangan Cultural Services.

2.0 DESCRIPTION OF STUDY AREA

The study site is that piece of land described as Melville Ford Bridge, located between Melville Ford Road and Aberglasslyn Road, Melville, in the Parish of Middlehope, County of Durham (Figures 2.1–2.2).

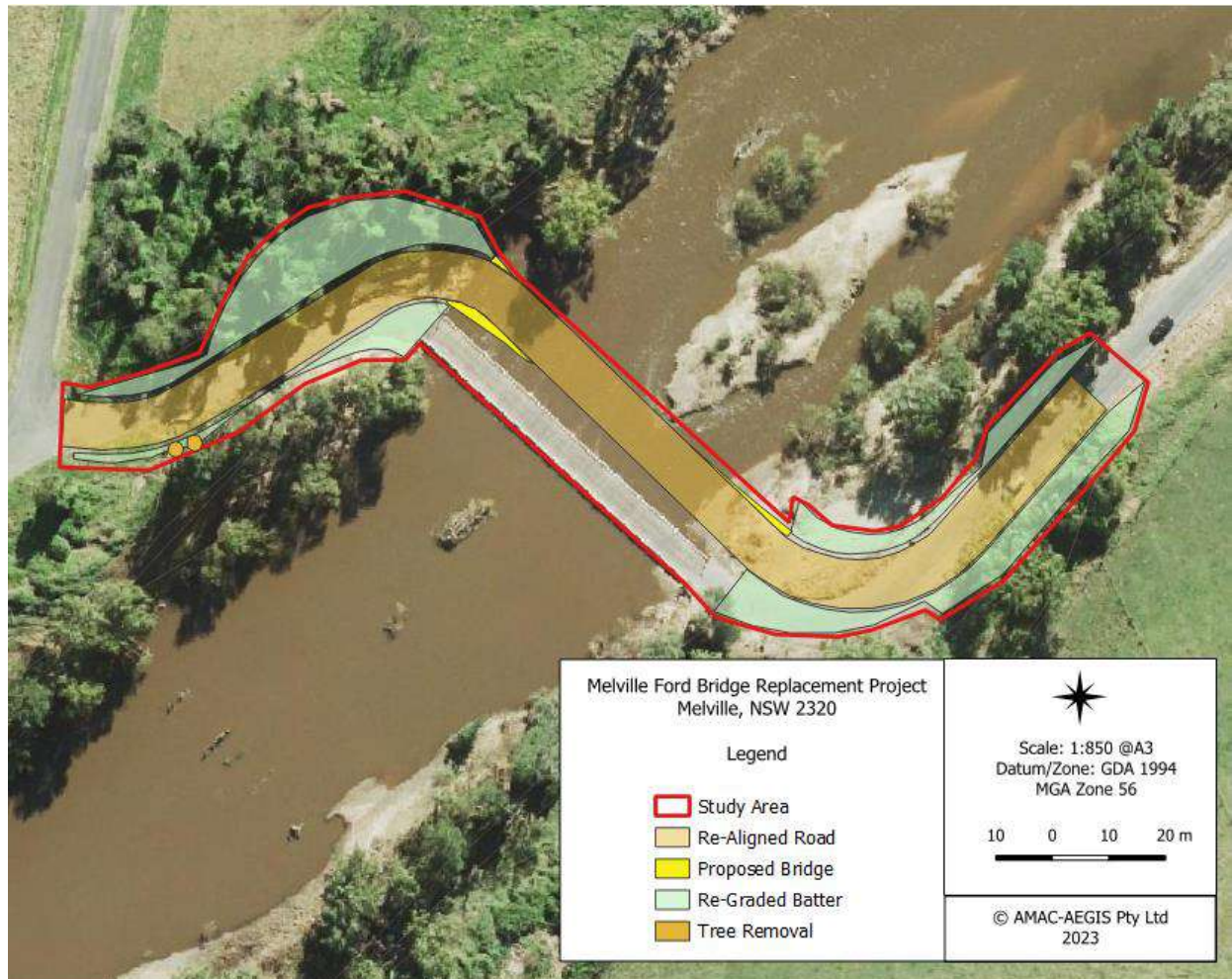


Figure 2-1 Aerial of study area.
Study area outlined in red. Six Maps. LPI Online (accessed 17/04/2023).

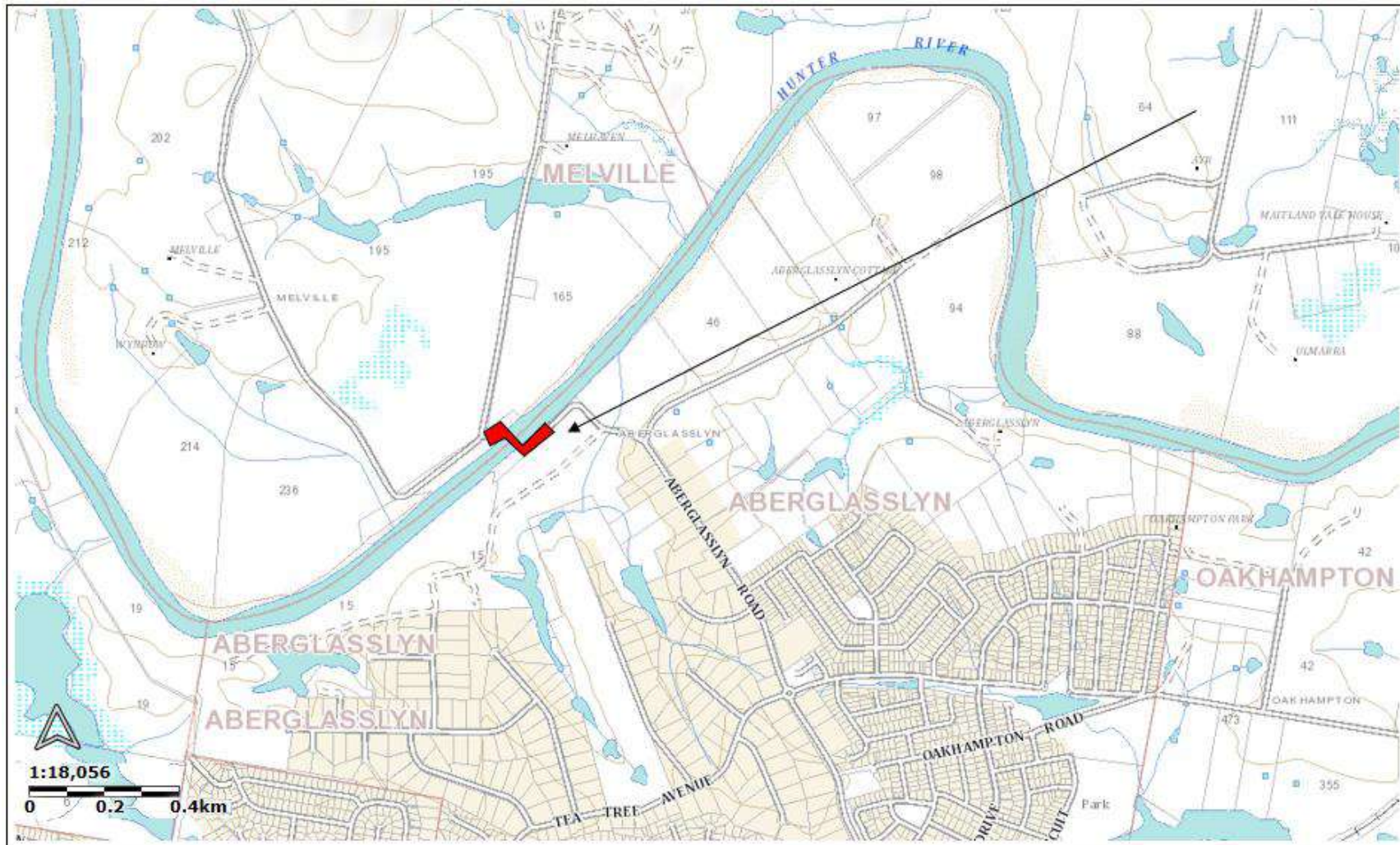


Figure 2-2 Topographic map with site location.
Study area outlined in red. Six Maps LPI Online (accessed 30/03/2023).

2.1 REGISTERED ARCHAEOLOGICAL SITES WITHIN THE STUDY AREA

There is one registered Aboriginal site – AHIMS Site 46-6-0060 - located within the study area. The isolated find is a stone artefact recorded as *Melville Bridge IF1* and was identified in June 2022 during a site inspection by site officers Les Draper and Sam Campbell (Mindaribba LALC), Michael Leong (Maitland City Council), and archaeologists Vanessa Hardy (Cultural Heritage Connections) and Garth Thompson (Virtus Heritage). The Aboriginal artefact was located on the southeast side of the bridge (see Figure 2.3), in a sandy embankment with good visibility (Virtus Heritage 2022).

A recent AHIMS search for this Aboriginal site - *Melville Bridge IF1* – was inconclusive with further information and a copy of the site card made available by Virtus Heritage Pty Ltd. Due to the extensive flooding that occurred in this area in 2022, the study area is deemed highly disturbed. According to Virtus Heritage report, the isolated find was located within the sands of the riverbank in a highly modified context (Virtus Heritage 2022).

A copy of the site card is available in Appendix Two.



Figure 2-3 Image of Melville Bridge Isolated Find 1.
AHIMS Site Card 46-6-0060.

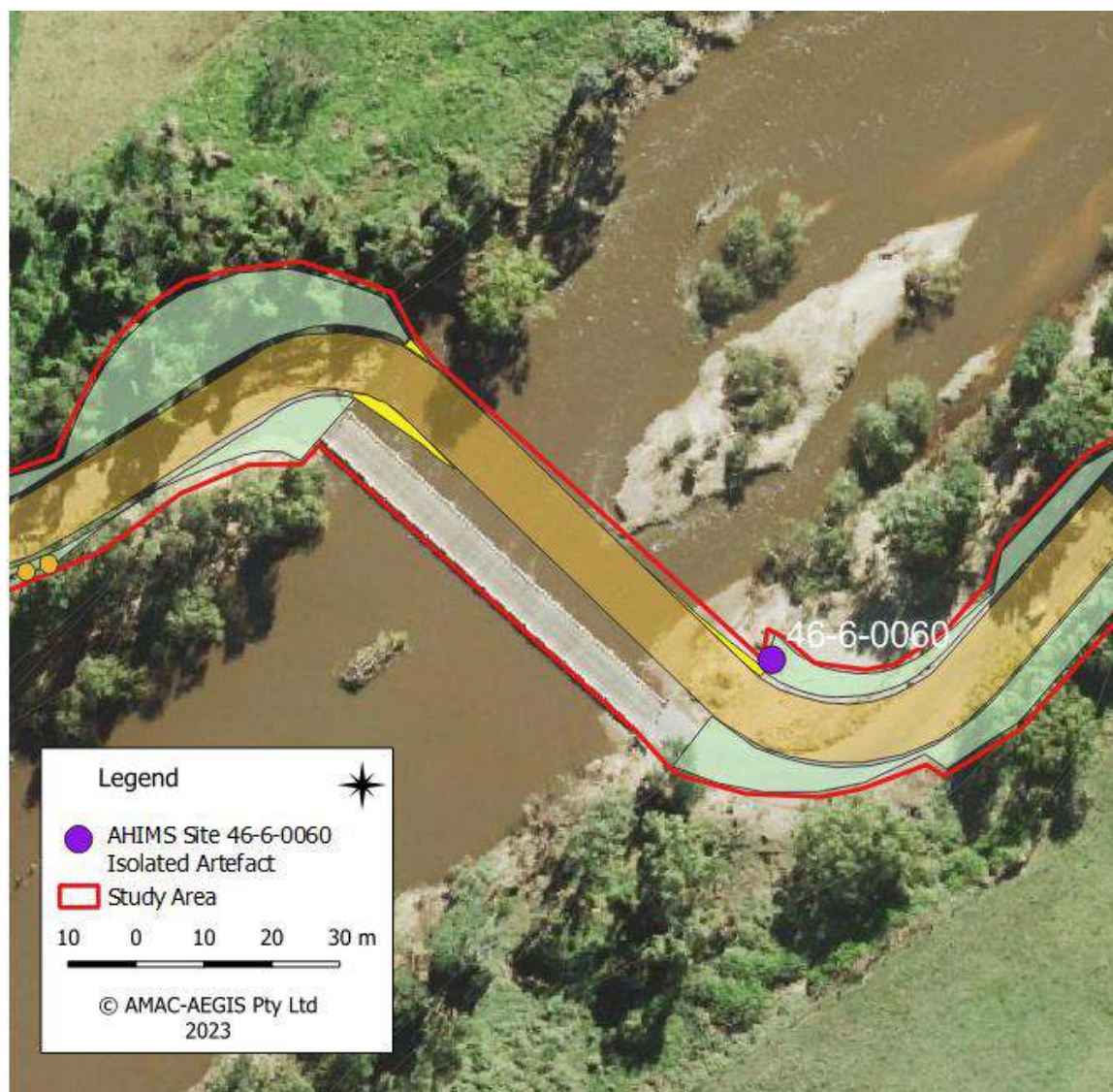


Figure 2-4 AHIMS Site 46-6-0060.
AMAC Group (2023). Six Maps. LPI Online (accessed 24/04/2023).

2.2 ENVIRONMENTAL CONTEXT

To adequately understand and assess the potential Aboriginal archaeological resource that may be present within the study area it is vital to understand the environment in which the Aboriginal inhabitants of the study area carried out their activities. The environment that Aboriginal inhabitants lived in is a dominant factor in shaping their activity and therefore the archaeological evidence created by this activity. Not only will the resources available to the Aboriginal population have an influence on the evidence created but the survival of said evidence will also be influenced by the environment.

2.2.1 Topography

The study area is located within the Paterson Mountains region, across one topographic zone, belonging to the Paterson River (pa) soil landscape (Figure 2-5). This landscape is characterised by a local relief of less than 10m, slope gradients up to 3% and level to gently undulating narrow (100-500m) alluvial plains. Terrace remnants up to 10m high and 300m wide can occur in addition to oxbows and low narrow levee banks. Small alluvial fans may occasionally occur. Hazards to this landscape include flood, riverbank, and wind erosion.

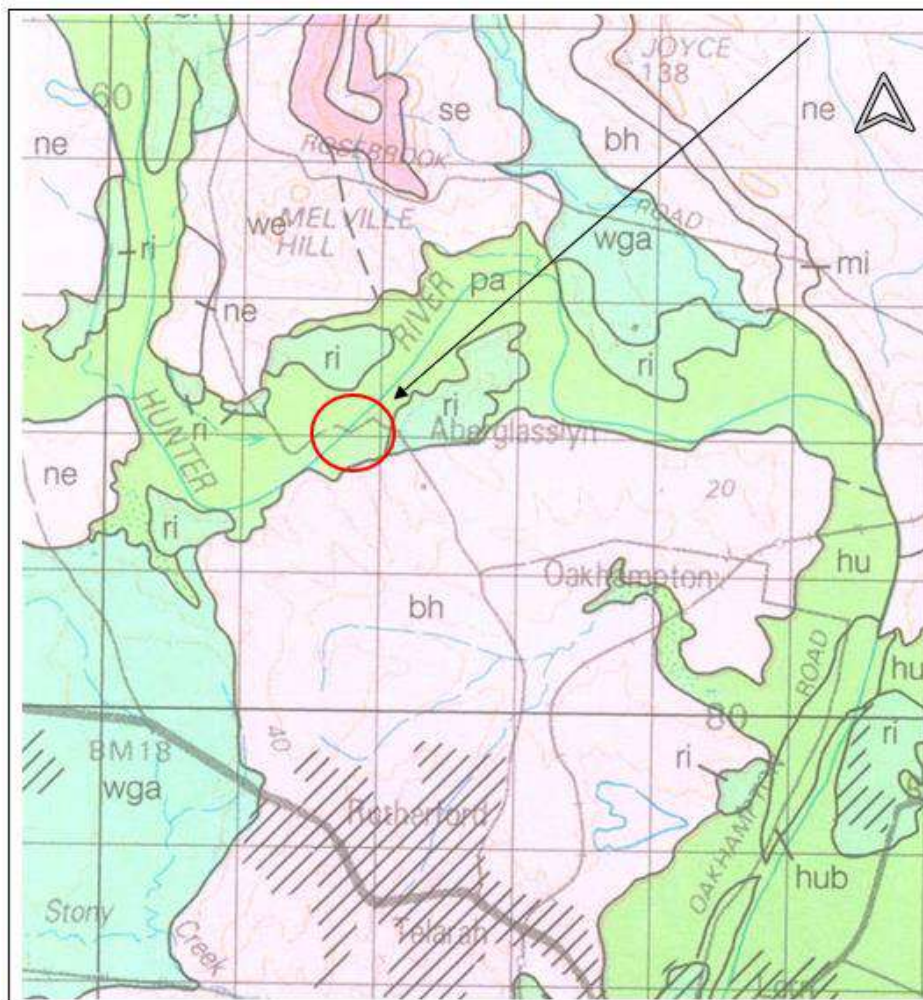


Figure 2-5 Approximate study area indicated in red with black arrow on soil map. Soil Landscapes of the Newcastle 1:100 000 Sheet Report (Matthei, 1995).

2.2.2 Geology and Soils

The Paterson River (pa) soil profile is located across Quaternary sediments, with the resulting geology including gravels, sands, silts, and clays. Soils are generally deep (>200cm) and well drained. The edge of waterways may be impacted by slumping from stream bank erosion. In addition to the dominant soil materials outlined below, river terraces and alluvial fan deposits may contain two associated soil materials; a brownish black weakly pedal sandy clay loam, which occurs as a topsoil and a brown well-structured plastic clay which occurs as a subsoil.

The following are typical soil profiles for the Paterson River (pa) soil landscape.

Table 2-1 Description of dominant soil material.

Dominant Soil Material	Soil Horizon	Description
pa1	A Horizon	Weakly pedal loamy sand to sandy loam. Weakly structured dark brown material with a rough ped, porous fabric. Coarse fragments are generally absent, with roots present to abundant, occurring in ped.
pa2	B Horizon	Loose brown sand. A sand to clayey sand subsoil with massive structure. Roots may be absent to common and fine (<1-2mm). Charcoal fragments may infrequently occur in small quantities.

Table 2.2 Expected Paterson River (pa) soil profiles based on landform.

Floodplains
<p>Near channels</p> <ul style="list-style-type: none"> ➤ 25-50cm of weakly pedal loamy sand to sandy clay loam (pa1) overlies ➤ >80cm of loose brown sand (pa2). <p><i>N.B The total soil profile is up to >260cm, with layers of pa1 and pa2 alternating. These can be between 15-80cm thick. Boundaries are clear to gradual.</i></p> <p>Upon lower floodplains</p> <ul style="list-style-type: none"> ➤ >100cm of pa1 occurs.
Channel deposits
<ul style="list-style-type: none"> ➤ More than 200cm of pa2 occurs ➤ >80cm of strongly structured black clay.
On remnant terrace deposits and alluvial fans
<ul style="list-style-type: none"> ➤ 15 – 30cm of brownish black weakly pedal sandy clay loam overlies ➤ >200cm of brown well-structured plastic clay. <p><i>N.B The total soil profile exceeds 250cm and boundaries are clear to gradual.</i></p>

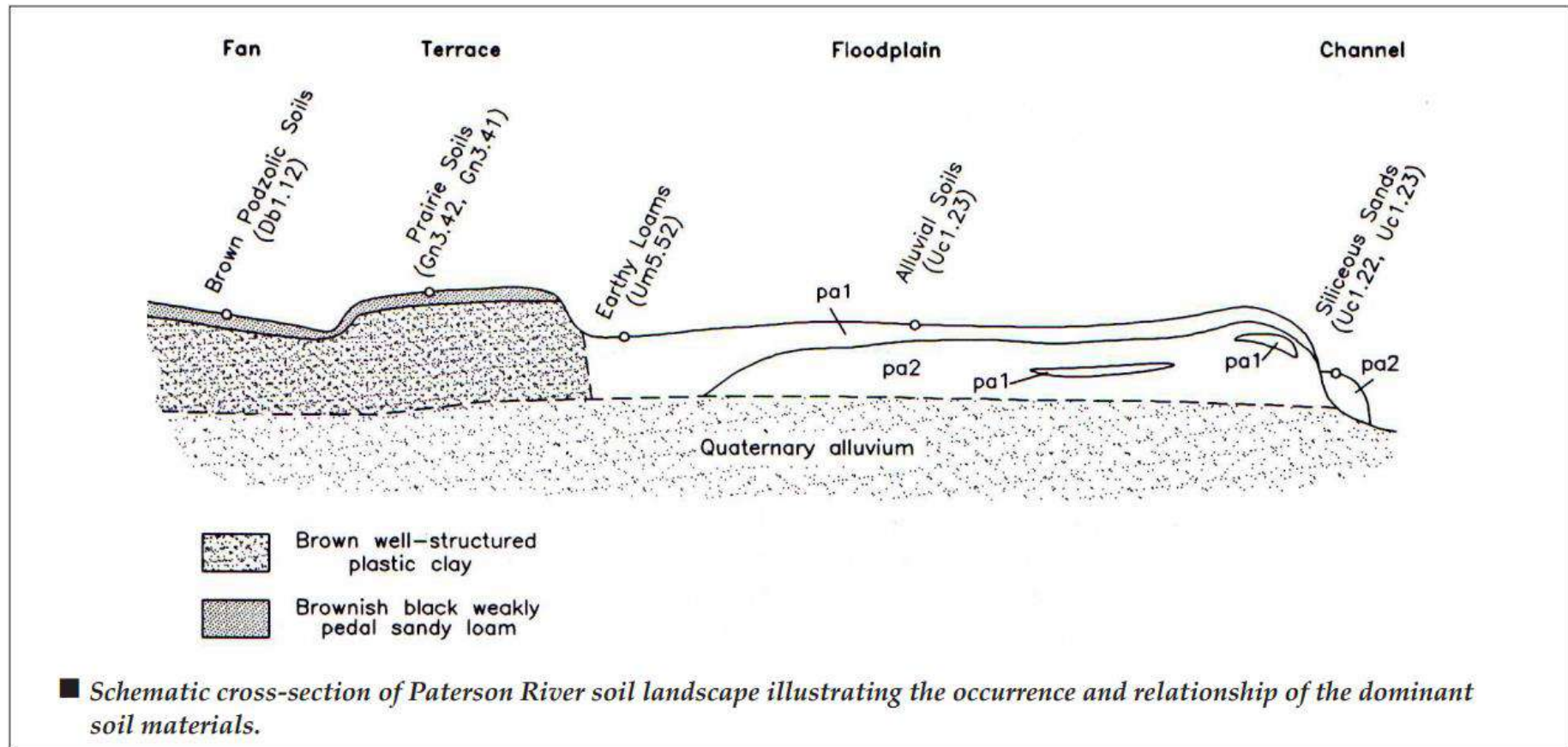


Figure 2-6 Cross Section of soil landscape illustrating relationships between landscape features and dominant soil materials. Soil Landscapes of the Newcastle 1:100 000 sheet report (Matthei 1995).

2.2.3 Watercourses

The study area lies on the banks of the Hunter River, a significant high (4th) order watercourse with rich resources and reliable freshwater present. The study area has been subject to regular inundation with changes to the river's water levels resulting in extensive riverbank modification. The riverbank deposits are likely redeposited soils from the frequent flooding that has been recorded with the most recent occurring in 2022. Located ca. 7km to the northeast is the Paterson River, another significant watercourse with a resource rich zone. These watercourses would have channelled Aboriginal activity to the area and enabled access to a wide range of foods and resources. Several tributaries, swamps, and man-made dams are located within close vicinity of the study area.

2.2.4 Vegetation

The vegetation found in the study area is no longer in a native state and is comprised of a variety of introduced and noxious types of vegetation. This movement away from the natural vegetation is a result of previous land clearing for agricultural and residential use. These lands were cleared soon after European settlement due to the relatively high agricultural value of the soils upon which they are situated.

This region was previously encompassed by tall open forest. This has largely been cleared, however remnant species on riverbanks include Sydney blue gum (*Eucalyptus saligna*) and river oak (*Casuarina cunninghamiana*).

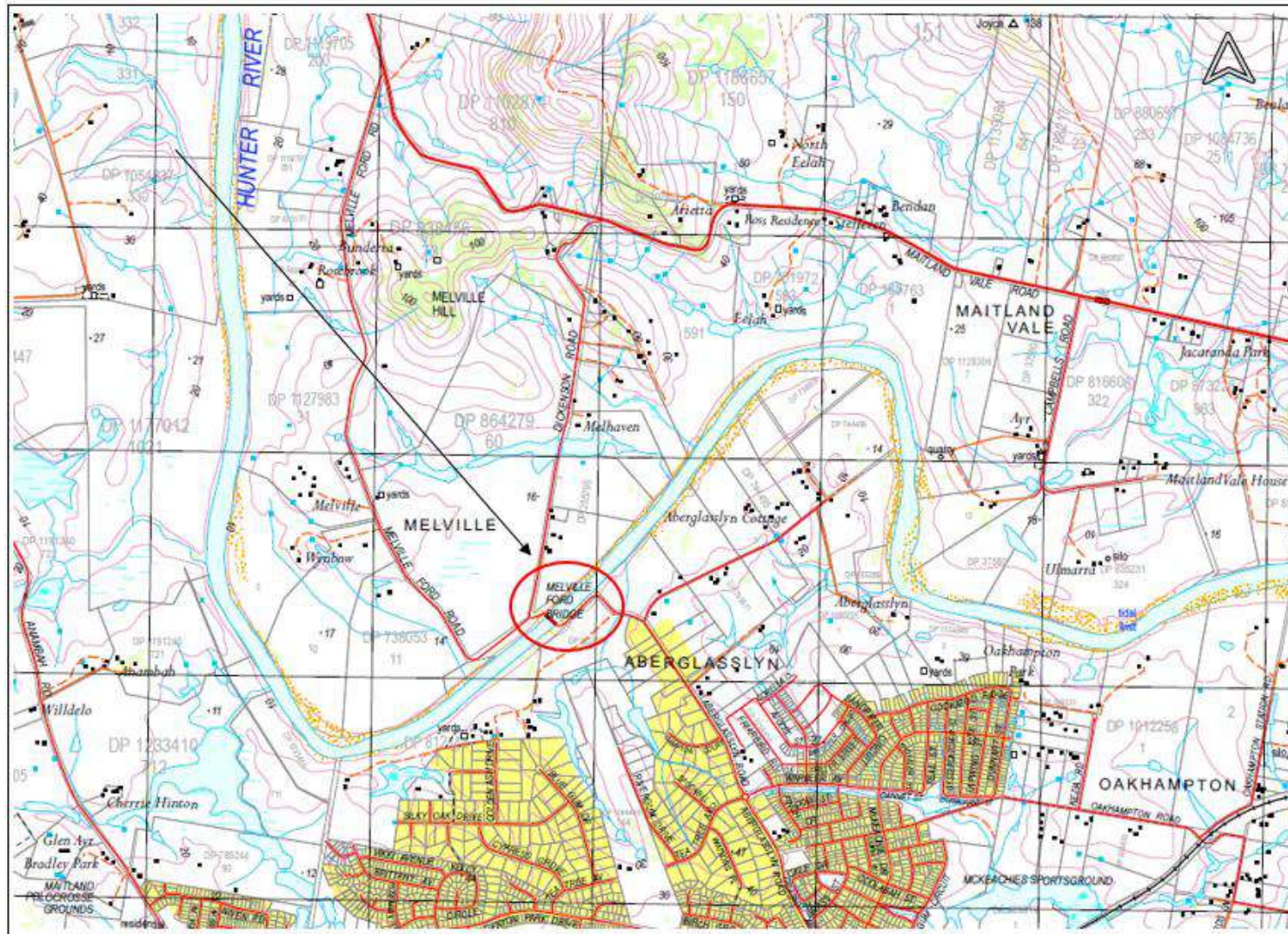


Figure 2-7
Topographic Map
indicating watercourses
in blue.
Study area indicated
in red/black arrow.
Six Maps. LPI Online
(accessed
17/04/2023).

2.3 LAND USE AND DISTURBANCE FACTORS

This section of the report provides an assessment of land use, the level of disturbance and the likely archaeological potential of the study area. The archaeological potential is based on the level of previous disturbance as well as the previously discussed predictive model for the region.

The Due Diligence Code of Practice for the Protection of Aboriginal Objects in New South Wales, Part 6 National Parks and Wildlife Act 1974, (DECCW 2010); defines disturbed lands as given below:

“Land is disturbed if it has been the subject of a human activity that has changed the land’s surface, these being changes that remain clear and observable. Examples include ploughing, construction of rural infrastructure (such as dams and fences), construction of roads, trails and tracks (including fire trails and tracks and walking tracks), clearing vegetation, construction of buildings and the erection of other structures, construction or installation of utilities and other similar services (such as above or below ground electrical infrastructure, water or sewerage pipelines, stormwater drainage and other similar infrastructure and construction of earthworks).”

This definition is based on the types of disturbance as classified in The Australian Soil and Land Survey Field Handbook (CSIRO 2010). The following is a scale formulated by CSIRO (2010) of the levels of disturbances and their classification.

Minor Disturbance		Moderate Disturbance		Major Disturbance	
0	No effective disturbance; natural	3	Extensive clearing (e.g.: poisoning and ringbarking)	6	Cultivation; grain fed
1	No effective disturbance other than grazing by hoofed animals	4	Complete clearing: pasture native or improved, but never cultivated	7	Cultivation; irrigated, past or present
2	Limited clearing (e.g.: selected logging)	5	Complete clearing: pasture native or improved, cultivated at some stage	8	Highly disturbed (quarrying, road works, mining, landfill, urban)

The above scale is used in determining the level of disturbance of the study area and its impact on the potential archaeology which may be present.

2.3.1 Aboriginal Land Use and Resources

Sites containing fresh water and sedentary food sources, coupled with the presence of other resources which may have been exploited or available on a seasonal basis, would suggest that Aboriginal land use of the study area was regular and repeated, with this reflected in the archaeological record (Goodwin 1999). The Hunter River provided a rich dietary intake for the local inhabitants in which many resources could be exploited. Coastal populations depended heavily on marine resources such as fish and shellfish but were not limited to such diets as cabbage palms and bracken fern roots were also available (Dyall 1971). During some of the early explorations of the area there are accounts regarding the density of shell middens found along the Hunter River.

“These are four feet deep, without either sand or earth” (cited Dallas 2004).

Farming practices were also utilized in the form of land clearing. This was conducted through the burning of grasslands in order to encourage new growth which attracted

local game. It is likely that these activities would result in repeated occupation as do ritualistic activities which take place within specific sacred places.

The procurement of specific resources for ritualistic or domestic purposes would rely on the accessibility and availability of these resources. There are readily mapped resources within the region that may have been exploited by Aboriginal occupants and more were present before the land was cleared and settled.

2.3.2 European Land Use

Background research indicates that past European land use has led to the clearing of the broader area for farming and residential purposes. The wooden bridge appears in aerials as early as 1954 (Figures 2.8–2.10). Earlier accounts of the bridge appear in the Maitland Daily Mercury (1904) stating that nine tenders had been received to construct the timber beam bridge.

2.3.3 Disturbance and Archaeological Potential

It is important to note that the following assessments describe the archaeological potential of the study area. It is acknowledged that if the study area has little or no archaeological potential, the study area may still have cultural significance to the Aboriginal community.

Background research indicates that past European land use has led to clearing of broader area for farming and residential purposes. The wooden bridge appears in aerials as early as 1954 (Figures 2.8–2.10). Earlier accounts of the bridge appear in the Maitland Daily Mercury (1904) stating that nine tenders had been received to construct the timber beam bridge. Much like the wider area, the study area has been the site of regular inundation and subject to changes in water level with extensive riverbank modification. The riverbank deposits are likely redeposited soils from the frequent flooding that has been recorded with the most recent occurring in 2022.

As a result, the study area has significant surface disturbances to large sections of the original ground. The surrounding riverbanks and nearby landscapes have been significantly altered. The probability for any intact A horizon (artefact bearing soil layer) is unlikely to be present in this area. However, despite the significant disturbances redeposited/residual soils may be present below the deposits that may have cultural significance to the Aboriginal community.

In light of this and in the context of the information provided about the land use of the site, its proximity to major tributaries, the following has been predicted:

High disturbance to sections of the landscape: Sub-surface Aboriginal objects with potential conservation value have a nil-low probability of being present within the study area.



Figure 2-8 1954 Aerial of the study area.
Historical Imagery Viewer (Accessed 03/04/2023).



Figure 2-9 1978 aerial of the study area.
Historical Imagery Viewer (accessed 03/04/2023).



Figure 2-10 1998 aerial of the study area.
Historical Imagery Viewer (accessed 03/04/2023).

3.0 ABORIGINAL CONSULTATION

This section documents the requirements of the Aboriginal consultation process that should be undertaken as part of any Aboriginal archaeological and cultural heritage assessment where an Aboriginal Heritage Impact Permit (AHIP) or test excavation is required. Section 4.1 outlines the guidelines for Aboriginal consultation issued by the DECCW. Section 4.2 documents the steps taken for this Aboriginal cultural assessment and the outcomes of the consultation. Further information, including copies of correspondence to and from registered parties is included in Appendix B.

3.1 CONSULTATION REQUIREMENTS

Aboriginal Cultural Heritage Consultation Requirements for Proponents 2010 (DECCW 2010), referring to Part 6 Approvals under the *NPW Act* were released in April 2010. The responsibilities of the proponent when test excavation is to take place and/or permit under section 90 of the *NPW Act* are listed below.

<http://www.environment.nsw.gov.au/resources/cultureheritage/commconsultation/09781ACHconsultreq.pdf>

Stage 1 – Notification of project proposal and registration of interest

Stage 1 states that:

4.1.2- Proponents are responsible for ascertaining, from reasonable sources of information, the names of Aboriginal people who may hold cultural knowledge relevant to determining the significance of Aboriginal objects and/or places. Reasonable sources of information could include (a) to (g) below. Proponents must compile a list of Aboriginal people who may have an interest for the proposed project area and hold knowledge relevant to determining the cultural significance of Aboriginal objects and/or places by writing to:

- (a) the relevant DECCW (sic) EPRG regional office*
- (b) the relevant Local Aboriginal Land Council(s)*
- (c) the Registrar, Aboriginal Land Rights Act 1983 for a list of Aboriginal owners*
- (d) the National Native Title Tribunal for a list of registered native title claimants, native title holders and registered Indigenous Land Use Agreements*
- (e) Native Title Services Corporation Limited (NTSCORP Limited)*
- (f) the relevant local council(s)*
- (g) the relevant catchment management authorities for contact details of any established Aboriginal reference group.*

4.1.3- Proponents must write to the Aboriginal people whose names were obtained in step 4.1.2 and the relevant Local Aboriginal Land Council(s) to notify them of the proposed project. The proponent must also place a notice in the local newspaper circulating in the general location of the proposed project explaining the project and its exact location. The notification by letter and in the newspaper, must include:

- (a) the name and contact details of the proponent*
- (b) a brief overview of the proposed project that may be the subject of an application for an AHIP, including the location of the proposed project*

- (c) a statement that the purpose of community consultation with Aboriginal people is to assist the proposed applicant in the preparation of an application for an AHIP and to assist the Director General of DECCW in his or her consideration and determination of the application*
- (d) an invitation for Aboriginal people who hold cultural knowledge relevant to determining the significance of Aboriginal object(s) and/or place(s) in the area of the proposed project to register an interest in a process of community consultation with the proposed applicant regarding the proposed activity*
- (e) a closing date for the registration of interests.*

4.1.4- There must be a minimum of 14 days from the date the letter was sent, or notice published in the newspaper to register an interest. The time allowed to register an interest should reflect the project's size and complexity.

4.1.5- The proponent must advise Aboriginal people who are registering an interest that their details will be forwarded to DECCW and the Local Aboriginal Land Council (LALC) unless they specify that they do not want their details released.

4.1.6- The proponent must make a record of the names of each Aboriginal person who registered an interest and provide a copy of that record, along with a copy of the notification from 4.1.3 to the relevant DECCW EPRG regional office and LALC within 28 days from the closing date for registering an interest.

4.1.7- LALCs holding cultural knowledge relevant to determining the significance of Aboriginal objects and places in the proposed project area who wish to register an interest to be involved in consultation must register their interest as an Aboriginal organisation rather than as individuals.

4.1.8- Where an Aboriginal organisation representing Aboriginal people who hold cultural knowledge has registered an interest, a contact person for that organisation must be nominated. Aboriginal cultural knowledge holders who have registered an interest may indicate to the proponent they have appointed a representative to act on their behalf. Where this occurs, the registered Aboriginal party must provide written confirmation and contact details of those individuals to act on their behalf.

Stage 2 – Presentation of information about the proposed project

Stage 2 states that:

4.2.1- The proponent must initiate arrangements for presenting the proposed project information to the registered Aboriginal parties (from Stage 1).

4.2.2- The presentation of proposed project information should provide the opportunity for:

- (a) the proponent to present the proposal, outline project details relevant to the nature, scope, methodology and environmental and other impacts*
- (b) the proponent to outline the impact assessment process including the input points into the investigation and assessment activities*
- (c) the proponent to specify critical timelines and milestones for the completion of assessment activities and delivery of reports*
- (d) the proponent and registered Aboriginal parties to clearly define agreed roles, functions and responsibilities*

- (f) the registered Aboriginal parties to identify raise and discuss their cultural concerns, perspectives and assessment requirements (if any).*

4.2.3- The proponent should record or document that the proposed project information has been presented. This record or documentation should include any agreed outcomes, and any contentious issues that may require further discussion to establish mutual resolution (where applicable). The proponent should provide a copy of this record or documentation to registered Aboriginal parties.

4.2.4- Depending on the nature, scale and complexity of the proponent's project, it may be reasonable and necessary for the proponent to:

- (a) conduct additional project information sessions to ensure that all necessary information about the project is provided and enable registered Aboriginal parties to provide information about the cultural significance of Aboriginal object(s) and/or place(s) that may be present on the proposed project area*
- (b) create the opportunity for registered Aboriginal parties to visit the project site" (DECCW 2010).*

Stage 3 – Drafting, review and finalisation of the Cultural Heritage Assessment Report

Stage 3 states that:

4.3.1- The proponent must present and/or provide the proposed methodology(s) for the cultural heritage assessment to the registered Aboriginal parties.

4.3.2- The registered Aboriginal parties must be given the opportunity to review and provide feedback to the proponent within a minimum of 28 days of the proponent providing the methodology. The review should identify any protocols that the registered Aboriginal parties wish to be adopted into the information gathering process and assessment methodology and any matters such as issues/areas of cultural significance that might affect, inform or refine the assessment methodology. Comments should be provided in writing or may be sought verbally by the proponent and accurately recorded.

4.3.3- As part of this consultation, the proponent must also seek cultural information from registered Aboriginal parties to identify:

- (a) whether there are any Aboriginal objects of cultural value to Aboriginal people in the area of the proposed project*
- (b) whether there are any places of cultural value to Aboriginal people in the area of the proposed project (whether they are Aboriginal places declared under s.84 of the NPW Act or not). This will include places of social, spiritual and cultural value, historic places with cultural significance, and potential places/areas of historic, social, spiritual and/or cultural significance.*

4.3.4- Some information obtained from registered Aboriginal parties may be sensitive or have restricted public access. The proponent must, in consultation with registered Aboriginal parties, develop and implement appropriate protocols for sourcing and holding cultural information. In some cases, the sensitive information may be provided to the proponent by an individual and the proponent should not share that information with all registered Aboriginal parties or others without the express permission of the individual.

4.3.5- Information obtained in 4.3.4 is used to understand the context and values of Aboriginal object(s) and/or place(s) located on the proposed project site. This information

must be integrated with the scientific (archaeological) assessment of significance. Together the context, values, and scientific assessment provide the basis for assessing Aboriginal heritage values and recommending management options. The information collected by the proponent during the consultation process must be used only to inform decision making for any application for an AHIP, unless the registered Aboriginal parties agree otherwise.

4.3.6- The proponent must seek the views of registered Aboriginal parties on potential management options. Management options will include ways to avoid or mitigate harm and/or conserve known Aboriginal object(s) and/or place(s). Management options should consider how Aboriginal people can continue their association with identified Aboriginal heritage values.

4.3.7- The proponent must document all feedback received in Stage 3 from registered Aboriginal parties in the final cultural heritage assessment report. This must include copies of any submissions received and the proponent's response to the issues raised. In some cases, this may require an acknowledgment of sensitive information and a list of Aboriginal people who should be contacted for permission to receive further details" (DECCW 2010).

Stage 4 – Review of draft cultural heritage assessment report.

Stage 4 states that:

4.4.1- The proponent must prepare a draft cultural heritage assessment report.

4.4.2- The proponent must provide a copy of the draft cultural heritage assessment report to registered Aboriginal parties for their review and comment.

4.4.3- The proponent must give registered Aboriginal parties a minimum of 28 days from sending the draft report to make submissions. The time allowed for comment on the draft report should reflect the project's size and complexity. Comments should be provided in writing or, where provided verbally, accurately recorded.

4.4.4- After considering the comments received on the draft report the proponent must finalise the report. The final report must include copies of any submissions received, including submissions on the proposed methodology and on the draft report. The final report must also include the proponent's response to each submission. The report must then be submitted to DECCW for consideration with the proponent's application for an AHIP.

4.4.5- The proponent must provide or make available copies of the final cultural heritage assessment report and the AHIP application to registered Aboriginal parties and the relevant LALC(s) (whether or not the LALC is registered in Stage 1). The report and application must be provided or made available within 14 days of the AHIP application being made" (DECCW 2010).

3.2 CONSULTATION SUMMARY

Consultation for this report was undertaken in accordance with the *National Parks and Wildlife Act 1974: Part 6; National Parks and Wildlife Act Aboriginal Cultural Heritage Consultation Requirements for Proponents (DECCW 2010)*; for situations where test excavation under the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales, Part 6 *National Parks, and Wildlife Act 1974, (DECCW*

2010) is undertaken. A full log containing documented evidence and submissions is available in Appendix B.

All registered stakeholders have been given a copy of a proposed Aboriginal Cultural Heritage research methodology and test excavation methodology with 28 days to respond to this methodology.

All registered stakeholders were provided a copy of this report and given a minimum of 28 days to review and comment. This is the final Aboriginal Stakeholder approved version of this report.


Table 3-1 Consultation Log Summary

STAGE 1						
Authority Letters & Advertisement						
Authority Body/ Organisation	Contact Person	Contact Details	Date Sent	Method	Response Received	Date
Maitland City Council	Heritage Officer	PO Box 220, Maitland NSW 2320	8/02/2023	Email		
Hunter Local Land Services	Heritage Officer	816 Tocal Rd. Paterson NSW 2421	8/02/2023	Email	Yes - email	8/02/2023
Mindaribba Local Aboriginal Land Council	Heritage Officer	1A Chelmsford Dr. Metford, NSW 2323	8/02/2023	Email		
NSW Native Title Services	Heritage Officer	PO BOX 2105, Strawberry Hills 2012	8/02/2023	Email		
NNTT	Heritage Officer	GPO Box 9973, Sydney 2001	8/02/2023	Email	Yes - email	8/02/2023
NTSCORP	Heritage Officer	PO BOX 2105, Strawberry Hills 2012	8/02/2023	Email		
Heritage NSW	Archaeologist	Locked Bag 5020, Parramatta NSW 2124	8/02/2023	Email	Yes - email	13/02/2023
Office of Registrar	Heritage Officer	PO BOX 112, Glebe 2037	8/02/2023	Email		
Newspaper Advertisement:	Maitland Mercury	addirect.com.au	29/03/2023	Email	Date printed: 31/03/2023	End Period: 14/04/2023
Stakeholders Contacted	Minimum 14 days to register	(21/03/2023) - (04/04/2023)				
Name/Organisation	Contact Person	Contact Details	Date Sent	Method	Notes	
A1 Indigenous Services	Carolyn Hickey		21/03/2023	Email		
Mindarriba LALC	Heritage Officer		21/03/2023	Email		
AGA Services	Ashley, Gregory & Adam Sampson		21/03/2023	Email		

Aliera French Trading	Aliera French		21/03/2023	Email
Arwarbukarl Cultural Resource Assoc.	Darren McKenny		21/03/2023	Email
Awabakal & Guringai Pty Ltd	Tracy Howie & Kerrie Brauer		21/03/2023	Email
Awabakal Descendants Traditional Owners	Pete Leven		21/03/2023	Email
Lower Hunter Aboriginal Incorporated	David Ahoy		21/03/2023	Email
Awabakal Traditional Owners Aboriginal Corp.	Kerrie Brauer		21/03/2023	Email
Cacatua Culture Consultants	Donna & George Sampson		21/03/2023	Email
Crimson-Rosie	Jeffery Matthews		21/03/2023	Mail
DFTV Enterprises	Derrick Vale Snr		21/03/2023	Email
Deslee Talbott Consultants	Deslee Matthews		21/03/2023	Email
Gidawaa Walang & Barkuma Neighbourhood Centre Inc	Craig Horne & Debbie Dacey-Sullivan		21/03/2023	Email
Didge Ngunawal Clan	Paul Boyd & Lilly Carroll		21/03/2023	Email
Glen Morris			21/03/2023	Email
Hunter Valley Cultural Surveying	Luke Hickey		21/03/2023	Email
Indigenous Learning	Craig Archibald		21/03/2023	Email
Jarban & Mugrebea	Les Atkinson		21/03/2023	Email
Jumbunna Traffic Management Group Pty Ltd	Norm Archibald		21/03/2023	Email
Kauma Pondee Inc.	Jill Green		21/03/2023	Email

Michael Green Cultural Heritage Consultant	Michael Green		21/03/2023	Email
Kawul Pty Ltd	Arthur Fletcher		21/03/2023	Email
Lower Hunter Wonnarua Cultural Services	Lea-Anne Ball		21/03/2023	Email
Murra Bidgee Mullangari Aboriginal Corp.	Ryan Johnson & Darleen Johnson-Carroll		21/03/2023	Email
Myland Cultural & Heritage Group	Warren Schillings		21/03/2023	Email
Wattaka Wonnarua CC Service	Des Hickey		21/03/2023	Email
Widescope Indigenous Group	Steven Hickey		21/03/2023	Email
Wonnarua Culture Heritage	Gordon Griffiths		21/03/2023	Mail
Wonnarua Elders Council	Richard Edwards		21/03/2023	Mail
Worimi LALC	CEO		21/03/2023	Mail
Tocomwall Pty Ltd	Scott Franks		21/03/2023	Email
Yinarr Cultural Services	Kathleen Steward Kinchela		21/03/2023	Email
Kevin Duncan			21/03/2023	Email
Lower Hunter Wonnarua Cultural Services	Lea-Anne Ball		21/03/2023	Email
Steven Talbott			21/03/2023	Email
Renne Sales			21/03/2023	Email
The Men's Shack Indigenous Corporations	Rod Hickey		21/03/2023	Email
Ungooroo Aboriginal Corporation	Alan Paget		21/03/2023	Email

Wonnarua Nation Aboriginal Corporation	Laurie Perry		21/03/2023	Email	
Culturally Aware	Tracey Skene		21/03/2023	Email	
Hunter Traditional Owner	Paulette Ryan		21/03/2023	Email	
Hunters & Collectors	Tania Matthews		21/03/2023	Email	
Corroboree Aboriginal Corporation	Marilyn Carroll-Johnson		21/03/2023	Email	
Lower Wonnaruah Tribal Consultancy Pty Ltd	Barry Anderson		21/03/2023	Mail	
Wallagan Cultural Services	Maree Waugh		21/03/2023	Email	
Mayaroo	Tracey White		21/03/2023	Email	
Aboriginal Native Title Consultants	Christine Paul		21/03/2023	Email	
Gomeroy Cultural Consultants	David Horton		21/03/2023	Email	
Wurrumay Pty Ltd	Kerrie & Vicky Slater		21/03/2023	Email	
Warragil Cultural Services	Aaron Slater		21/03/2023	Email	
Registered Organisations/Individuals	Contact Person	Email Address	Date	Method	Notes
Mindaribba LALC	Tara Dever		8/02/2023		
Didge Ngunawal Clan	Paul Boyd		21/03/2023	Email	
Gomery Cultural Consultants	David Horton		4/04/2023	Email	
Ungooroo Aboriginal Corporation	Melanie Schulz		30/03/2023	Email	

Murra Bidgee Mullangari Aboriginal Corporation	Darleen Johnson		10/04/2023	Email	
Cacatua Culture Consultants	George Sampson		2/04/2023	Email	
AGA Services	Ashley Sampson		2/04/2023	Email	
Corroboree Aboriginal Corporation	Marilyn Carroll-Johnson		26/03/2023	Email	
Jarban & Mugrebea	Les Atkinson		3/04/2023	Email	
Wallangan Cultural Services	Maree Waugh		28/03/2023	Email	
Awabakal Traditional Owners Corporation	Kerrie Brauer		28/03/2023	Email	
Widescope Indigenous Group	Donna and Steven Hickey		22/03/2023	Email	
Woka Aboriginal Corporation	Steven Johnson		26/03/2023	Email	
-					
STAGE 2 & 3					
ACHAR Methodology (Research Design/Test Excavation Methodology) (PENDING)	Minimum 28 days to respond	(01/05/2023) - (29/05/2023)			
Contacted Organisation/ Individuals	Contacted by Organisation/ Individual	Subject	Date	Method	Notes
All RAPS	AMAC Group/Steven J. Vasilakis	Dispatch ACHAR Research Design & Methodology	1/05/2023	Email	

AMAC Group/Steven J. Vasilakis	Awabakal Traditional Owners Corporation/Kerrie Brauer	ACHAR Research Design & Methodology Review	19/05/2023	Email	Recommends Testing
Awabakal Traditional Owners Corporation/Kerrie Brauer	AMAC Group/Steven J. Vasilakis	ACHAR Research Design & Methodology Review	21/05/2023	Email	Revised Methodology
AMAC Group/Steven J. Vasilakis	Awabakal Traditional Owners Corporation/Kerrie Brauer	Supports ACHAR Methodology	21/05/2023	Email	
STAGE 4					
ACHAR Report	Minimum 28 days to respond	(17/07/2023) - (14/08/2023)			
Contacted Organisation/ Individuals	Contacted by Organisation/ Individual	Subject	Date	Method	Notes
All RAPs	AMAC Group/Steven J. Vasilakis	Dispatch ACHAR	17/07/2023	Email	
AMAC Group/Steven J. Vasilakis	Didge Ngunawal/Paul Boyd	Supports ACHAR	18/07/2023	Email	
AMAC Group/Steven J. Vasilakis	Murra Bidgee Mullangari/Darlen Johnson	Supports ACHAR	14/08/2023	Email	
AMAC Group/Steven J. Vasilakis	Woka/Steven Johnson	Supports ACHAR	25/07/2023	Email	

4.0 BACKGROUND INFORMATION

Pre-field work research consisted of an analysis and synthesis of the background data to determine the nature of the potential archaeological and cultural heritage resource in the region. The research of this cultural heritage assessment consisted of stages which are listed below:

- Background research
- Aboriginal consultation and oral history interviews
- Site inspection and cultural heritage mapping.

Background research entailed a detailed review of sources of information on the history, oral history, ethno-history, and archaeological background of the study area and surrounds and will include but not be limited to material from:

- Heritage NSW archaeological assessment and excavation reports and cultural heritage assessments
- Heritage NSW Library
- State Library of NSW including the Mitchell Library
- Local libraries and historical associations
- National Library of Australia.

A search of the Heritage NSW AHIMS was undertaken, and the results examined. The site card for each site within 1000m in all directions from the centre of the study area was inspected (where available) and an assessment made of the likelihood of any of the sites being impacted by the proposed development. The Heritage NSW library of archaeological reports (Hurstville) was searched, and all relevant reports were examined. Searches were undertaken on the relevant databases outlined in *Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales*, Part 6 National Parks and Wildlife Act 1974, (DECCW 2010):

Further to this the following sources were examined:

- The National Heritage List
- The Commonwealth Heritage List
- The NSW State Heritage Inventory
- The Register of the National Estate
- The National Native Title Register
- Prevailing local and regional environmental plans
- Environmental background material for the study area.

4.1 AHIMS SEARCH RESULTS

The Archaeological Heritage and Information Management System Database (AHIMS) is located at the Heritage NSW Offices at Hurstville in New South Wales. This database comprises information about all the previously recorded Aboriginal archaeological sites registered with Heritage NSW. Further to the site card information that is present about each recorded site, the assessments and excavation reports that are associated with the location of many of these sites are present in the library of reports.

The location of these sites must be viewed as purely indicative as errors in the recording of the locations of sites often occurs due to the disparate nature of the recording process, the varying level of experience of those locating the sites and the errors that can occur when transferring data. If possible, sites that appear to be located near a study area should be relocated.

An AHIMS extensive 1km search was conducted on the 03/04/2023 (ID-769781). This search resulted in 15 registered sites within 1000 m of the study area. The AHIMS search, however, did not indicate the presence of AHIMS Site 46-6-0060 (*Melville Bridge IF1*) which is located within the study area. Further information and a copy of the site card was made available by Virtus Heritage Pty Ltd. The isolated find was recorded on the riverbank to the southeast of the study area by Virtus Heritage in 2022.

The following table is comprised of the results listed from the extensive search.

Table 4-1 AHIMS Search Results

Site ID	Site name	Site status	Site features
38-4-1512	MCKEACHIES AS 1	Valid	Artefact: 1
38-4-1513	MCKEACHIES AS 2	Valid	Artefact: 1
38-4-0611	ABER 2	Valid	Artefact
38-4-1517	MCKEACHIES AS 6	Valid	Artefact: 1
38-4-1058	Site 2 Isolated Find	Valid	Artefact: 1
38-4-1525	MCKEACHIES AS 3A	Valid	Potential Archaeological Deposit (PAD): 1, Artefact: 1
38-4-1516	MCKEACHIES AS 5	Valid	Artefact: 1
38-4-1057	Site 1 Open Camp Site	Valid	Artefact: 3
38-4-1528	MCKEACHIES AS 7a	Valid	Artefact: 1, Potential Archaeological Deposit (PAD): 1
38-4-1515	MCKEACHIES AS 4	Valid	Artefact: 1
38-4-1518	MCKEACHIES AS 7	Valid	Artefact: 1
38-4-0613	ABER 1	Valid	Artefact
38-4-0689	AD1	Valid	Artefact: 2
38-4-0864	AB Site 2	Valid	Artefact: 6
38-4-1514	MCKEACHIES AS 3	Valid	Potential Archaeological Deposit (PAD): 1, Artefact: 1

AHIMS Site 46-6-0060 details made available by Virtus Heritage Pty Ltd

Site ID	Site name	Site status	Site features
46-6-0060	Melville Isolated Find 1	Valid	Artefact: 1

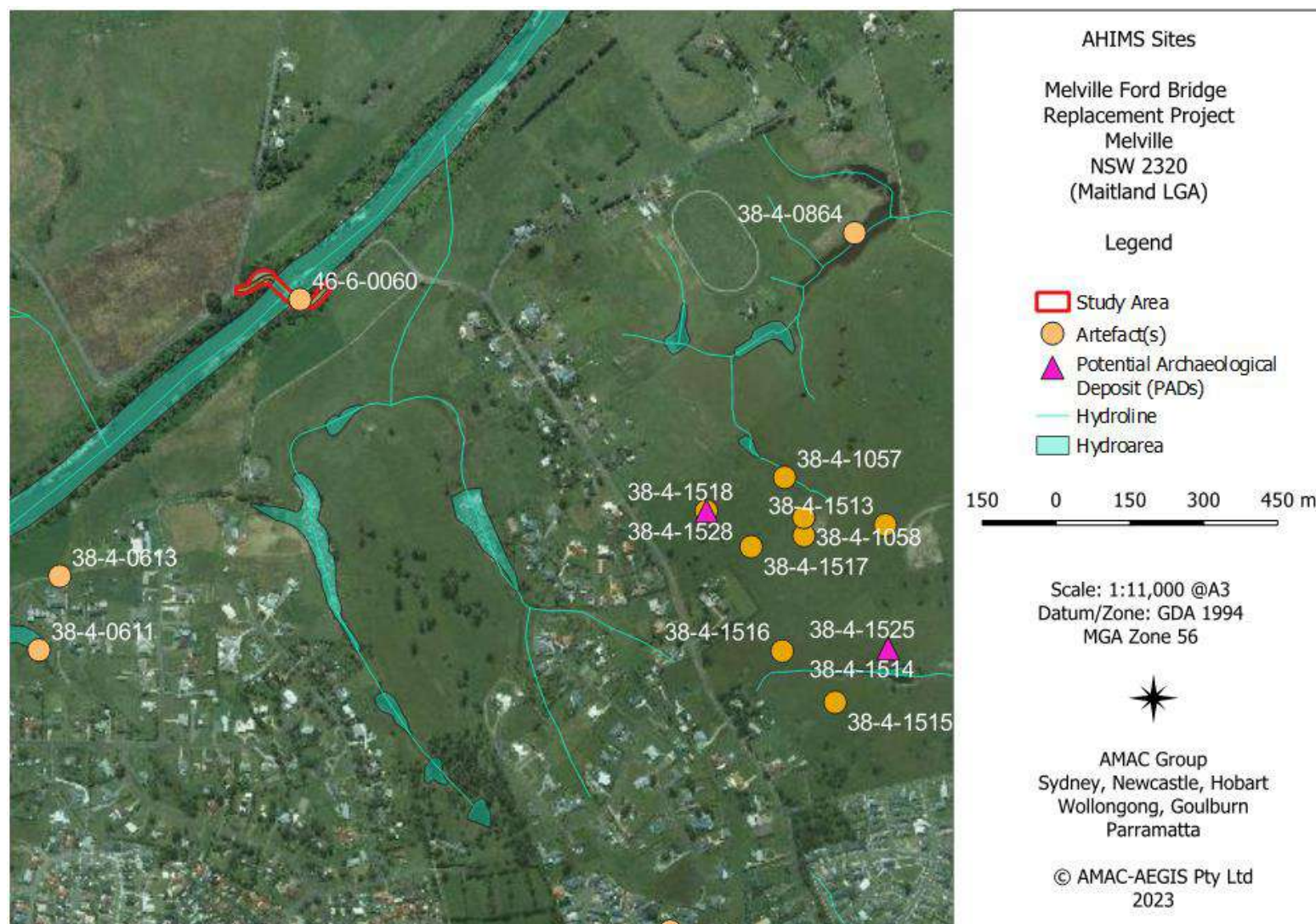


Figure 4-1 AHIMS Search Results.
 AMAC Group (2023).
 Six Maps. LPI Online
 (accessed 24/04/2023).

4.2 OTHER SEARCH RESULTS

Results for other statutory databases searched are given below:

Heritage Listings/ Register/ Other	Result
National Heritage List	Not Listed
Commonwealth Heritage List	Not Listed
NSW State Heritage Register	Not Listed
National Native Title Register	Not Listed
Maitland Local Environmental Plan 2011	Not Listed

4.3 SUMMARY OF ARCHAEOLOGICAL PREDICTIVE MODEL FOR THE REGION

Predictive modelling is an adaptive process which relies on a framework formulated by a number of factors, including but not limited to the use of local land systems, the environmental context, archaeological work and any distinctive sets of constraints that would influence land use patterns. This is based on the concept that different landscape zones may offer different constraints, which is then reflected in the spatial distributions and forms of archaeological evidence within the region (Hall and Lomax 1996).

Early settlement models focused on seasonal mobility, with the exploitation of inland resources being sought once local ones become less abundant. These principles were adopted by Foley (1981) who developed a site distribution model for forager settlement patterns. This model identifies two distinctive types of hunter-gatherer settlements; 'residential base camps' and 'activities areas.' Residential base camps are predominately found located in close proximity to a reliable source of permanent water and shelter. From this point the surrounding landscape is explored, and local resources gathered. This is reflected in the archaeological record, with high density artefact scatters being associated with camp bases, while low density and isolated artefacts are related to the travelling routes and activity areas (Foley 1981).

However, more recently, investigation into understanding the impacts of various episodes of occupation on the archaeological record has been explored, of which single or repeated events are being identified. This is often a complex process to establish, specifically within predictive models as land use and disturbance can often result in post depositional processes and the superimposition of archaeological materials by repeated episodes of occupation.

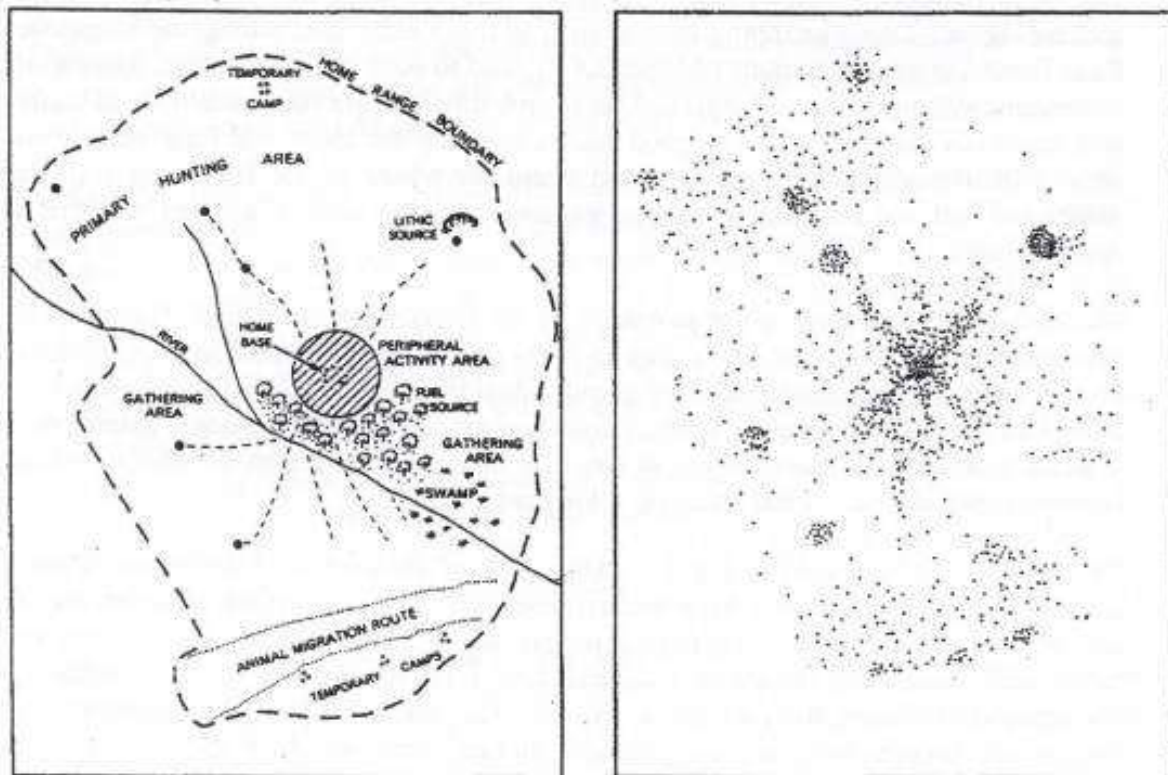


Figure 4-2 Examples of forager settlement patterns.
Foley (1981).

The principals behind this model have been incorporated into other predictive models such as that of McBryde (1976). McBryde's model is centred on the utilisation of food resources as a contributor to settlement patterns, specifically with reference to the predictability and reliability of food resources for Aboriginal people within the immediate coastal fringe and/or hinterland zone, with migratory behaviour being a possibility. Resources such as certain species of animals, particularly; small marsupials and reptiles, plant resources and nesting seabirds may have been exploited or only available on a seasonal or intermittent basis. As such, archaeological sites which represent these activities whilst not being representative of permanent occupation may be representative of brief, possibly repeated occupation.

Jo McDonald and Peter Mitchell have since contributed to this debate, with reference to Aboriginal archaeological sites and proximity to water using their Stream order model (1993). This model utilises Strahler's hierarchy of tributaries. This model correlates with the concept of proximity to permanent water and site locations and their relationship with topographical units. They identify that artefact densities are greatest on terraces and lower slopes within 100m of water.

Intermittent streams, however, also have an impact on the archaeological record. It was discovered that artefacts were most likely within 50 – 100m of higher (4th) order streams, within 50m (2nd) order streams and that artefact distributions around (1st) order streams were not significantly affected by distance from the watercourse. Landscapes associated with higher order streams (2nd) order streams were found to have higher artefact densities and more continuous distribution than lower order streams.

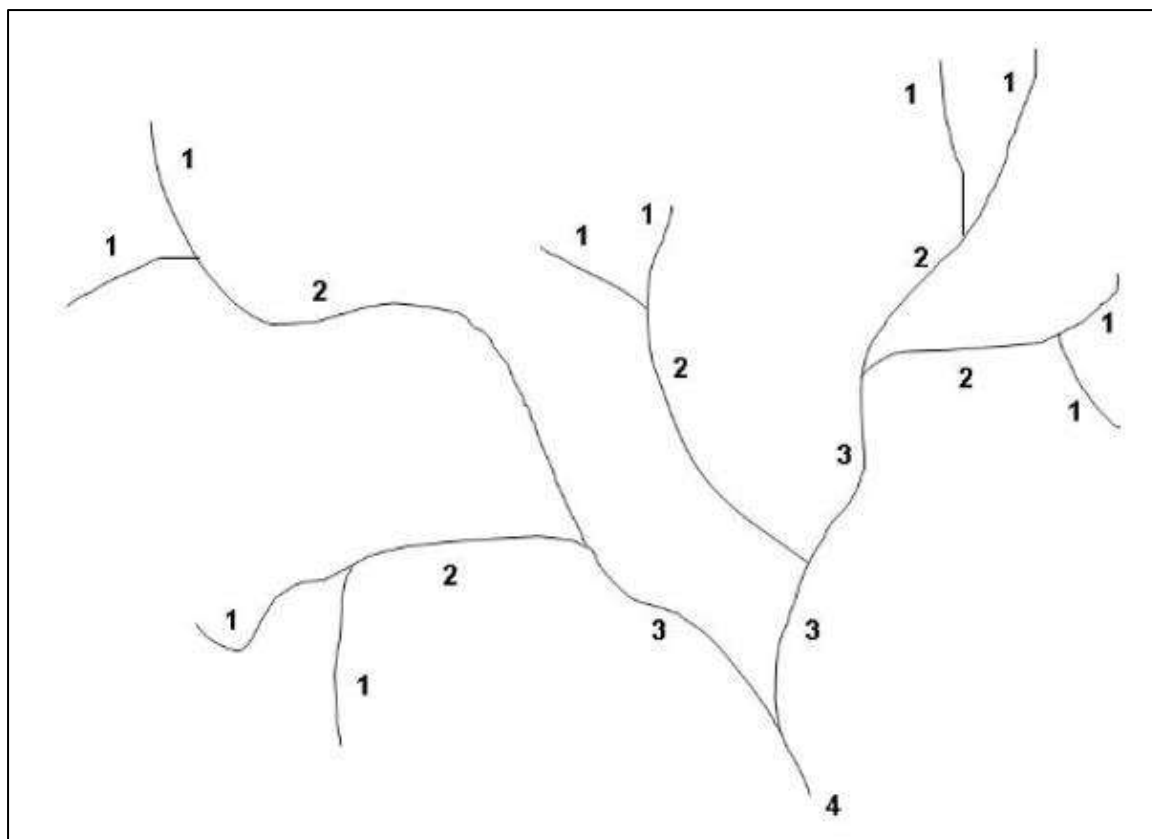


Figure 4-3 **Strahler's hierarchy of tributaries.**
Strahler (1957).

Table 4-2 Relationship between landscape unit and site distribution for region.

Landscape Unit /Site types	Site Distribution and activity
1st order stream	Archaeological evidence will be sparse and reflect little more than a background scatter
Middle reaches of 2nd Order Stream	Archaeological evidence will be sparse but focus activity (one off camp locations, single episodes and knapping floor)
Upper reaches of 2nd order stream	Archaeological evidence will have a relatively sparse distribution and density. These sites contain evidence of localised one-off behaviour.
Lower reaches of 3rd order stream	Archaeological evidence for frequent occupation. This will include repeated occupation by small groups, knapping floors (used and unused material) and evidence of concentrated activities.
Major creek lines 4th order streams	Archaeological evidence for more permanent or repeated occupation. Sites will be complex and may be stratified with a high distribution and density.
Creek junctions	This landscape may provide foci for site activity, the size of the confluence in terms of stream rankings could be expected to influence the size of the site, with the expectation of there being higher artefact distribution and density.
Ridge top locations between drainage lines	Ridge Tops will usually contain limited archaeological evidence, although isolated knapping floors or other forms of one-off occupation may be in evidence in such a location.
Raw Materials near water-sources	The most common raw materials are silcrete and chert in sites closer to coastal headlands, though some indurated mudstone/silicified tuff and quartz artefacts may also be found.
Grinding Grooves	Grinding Grooves may be found in the sandstone or shale/sandstone transition areas.
Scarred trees	May occur in stands of remnant vegetation.
Ceremonial Sites	Consultation with relevant Aboriginal Stakeholder groups, individuals and review of ethnographic sources often reveal the presence of ceremonial or social sites.

This Hunter Region predictive model was developed by Kuskie and Kamminga (2000) through the use of data attained from previous archaeological work regarding site location and distribution. The following table is based on the archaeological expectations regarding the use of landscape units and resources and how this is likely to be reflected in the archaeological record.

Table 4-3 Occupation patterns as reflected in the archaeological record.

Occupation Pattern	Activity Location	Proximity to water	Proximity to food	Archaeological Record
Transitory Movement	All landscape zones, often on ridge and spur crest, watercourses and valley flats	Not important	Not important	<ul style="list-style-type: none"> Assemblages of low density and diversity Evidence of tool maintenance & repair Evidence for stone knapping
Hunting and/or gathering without camping	All landscape zones	Not Important	Near food resources	<ul style="list-style-type: none"> Assemblages of low density and diversity Evidence of tool maintenance & repair Evidence for stone knapping High frequency of used tools
Camping by small groups	Frequently associated with permanent & temporary water	Nearby	Near food resources	<ul style="list-style-type: none"> Assemblages of low to moderate density and diversity Evidence of tool maintenance & repair Evidence for stone knapping Hearths
Nuclear family base camp	Level or gently undulating ground	Nearby reliable source	Near food resources	<ul style="list-style-type: none"> Assemblages of high density and diversity Evidence of tool maintenance & repair and casual knapping Heat treatment pits, stone lined ovens Grindstones
Community base camp	Level or gently undulating ground	Nearby reliable source	Near food resources	<ul style="list-style-type: none"> Assemblages of high density and diversity Evidence of tool maintenance & repair and casual knapping Heat treatment pits, stone lined ovens Grindstones & ochre Large area > 100sqm with isolated campsites

The Aboriginal Cultural Heritage Data Audit (DOP, 2005) produced the following table as part of the NSW Comprehensive Coastal Assessment Toolkit (DOP, 2005) which made the following statements outlined in Table 4.4 about the predictive location of Aboriginal sites in Coastal NSW. These statements support the conclusions drawn in the following predictive model established for the study area. The study makes one very important claim which is that Aboriginal Ceremonial or Dreaming Sites can only be identified by Aboriginal community knowledge.

Table 4-4 Aboriginal Cultural Heritage Data Audit, Predictive Modelling for Coastal Aboriginal Sites, NSW.

Site Type	Archaeological/ Predictive Modelling
Aboriginal Ceremony and Dreaming Sites	Can only be identified on the basis of Aboriginal community knowledge.
Aboriginal Resource and Gathering Sites	Can occur at any location where plant and animal target species are found at present or were available in the past.
Art Sites	All rock paintings or drawings and some rock engravings will occur within rock shelters/overhangs, most commonly within sandstone cliff lines and in granite boulder fields. Rock engravings may occur wherever there are suitable rock-surface exposures.
Artefacts	Will occur in all landscapes with varying densities. Artefacts of greatest scientific significance will occur in stratified open contexts (such as alluvial terraces, sand bodies) and rock shelter floors.
Burials	Most likely (but not always) to be buried in, or eroding from, sandy soils. Can occur within rock shelters/overhangs, most commonly within sandstone cliff lines and in granite boulder fields.
Ceremonial Ring Sites	Environmental factors may be of particular importance in site location including association with sources of water, ridges, unstructured soils and geological boundaries. Distance to adjacent ceremonial ring sites may influence site location.
Conflict Sites	Can only be identified on the basis of historical records and community knowledge.
Grinding Grooves	Most likely to occur on surface exposures of sandstone. Occasionally occur within sandstone rock shelters.
Modified Trees	Will only occur where target tree species survive and if these are of an age generally greater than 100 years old.
Non-Human Bone and Organic Material Sites	Will occur in any surface or buried context where preservation conditions allow. Most commonly survive in open shell midden sites and in rock shelter floor deposits.
Ochre Quarry Sites	Can occur at any location where suitable ochre sources are found, either as isolated nodules or as suitable sediments (clays).
Potential Archaeological Deposits	Can occur in all landscape types. PADs of greatest scientific significance will occur in stratified open contexts (such as alluvial terraces, sand bodies) and rock shelter floors.
Shell Middens	Will occur as extensive packed shell deposits to small shell scatters in all coastal zones along beaches, headlands and estuaries, both in open situations and in rock shelters. May occur along rivers and creeks where edible shellfish populations exist or existed in the past.
Stone Arrangements	Tend to be on high ground, often on the tops of ridges and peaks commanding views of the surrounding country. Often situated in relatively inaccessible places.
Stone Quarry Sites	Can occur at any location where suitable raw materials outcrop, including pebble beds/beaches.
Waterholes	May occur within any river or creek. Rare examples may occur in open exposures of rock.

This predictive model has been refined with focus on the dominant environment and landscape zones of the Hamilton soil landscape which is a residual soil landscape and occurs on Quaternary deposits of the undulating well drained Hunter Plain. Attenbrow (2002) discovered that the Quaternary alluvial deposits had a greater concentration of archaeological sites, which is likely the result of these deposits being located towards major creek lines and rivers, such as the Hunter River. Areas of alluvial deposits were found by Kohen (1986) to contain artefact scatters of a large and complex nature the closer they were to permanent creeks.

Umwelt (2004), has identified similar environmental – archaeological relationships which contribute to the mapping and modelling of archaeological sites, such as:

- The pattern of watercourses and other landscape features such as ridge lines affected the ease with which people could move through the landscape.
- Certain landscape features such as crests or gently sloping, well-drained landforms influenced the location of camping places or vantage points that provided outlooks across the countryside.
- The morphology of different watercourses affected the persistence of water in dry periods and the diversity of aquatic resources and so influenced where, and for how long, people could camp or procure food.
- The distribution of rock outcrops affected the availability of raw materials for flakes and ground stone tools.
- The association of alluvial, colluvial and stable landforms affects the potential that sites will survive.
- European land-use practices affect the potential for site survival and/or the capacity for sites to retain enough information for us to interpret the types of activities that took place at a specific location.

All models state that the primary requirement of all repeated, concentrated, or permanent occupation is reliable access to fresh water. Brief and possibly repeated occupation may be represented in areas that have unreliable access to ephemeral water sources, however, these areas will not possess a high archaeological potential (Goodwin 1999).

4.4 ARCHAEOLOGICAL PREDICTIVE MODEL FOR THE STUDY AREA

The following section gives an indication of the likelihood of certain site types being located within the study area. These indications are based on the research and results of assessments and excavations in the vicinity of the study area and wider Lower Hunter Region.

Site Type	Research	Likelihood
Open Artefact Scatters	Higher order streams are located within the landscape units represented in the study area, chiefly the Hunter River. Archaeological surveys in the wider area are suggestive of the presence of open artefact scatters, although these have largely been identified in disturbed contexts. These artefact contexts are suggestive of concentrated and repeated occupation.	Likely
Isolated Artefacts	Higher order streams are located within the landscape units represented in the study area, chiefly the Hunter River. Archaeological surveys in the wider area are suggestive of the presence of open artefact scatters, although these have largely been identified in disturbed contexts. These artefact contexts are suggestive of concentrated and repeated occupation.	Likely
Grinding Grooves	Boulders of sandstone or outcrops have not been identified within the soil landscape.	Unlikely
Midden Deposits	Given the proximity of the study area to high order streams, namely the Hunter River, it is likely to be the site of food procurement, consumption, and refuse discard. It is presently unclear whether intact original soil profiles are present, however, if they are, associated archaeological material may occur within said deposits.	Likely
Stone Resource Sites	Rock outcrops of suitable flaking material are almost absent from the soil landscapes represented within the study area.	Unlikely
Scarred Trees	Trees of sufficient age are not present within the study area.	Unlikely
Sandstone Shelters	The study area does not contain sandstone overhangs	Unlikely
Burials	While it is possible that undisturbed deposits may occur within the study area, the soil landscape is highly acidic which leads to the poor preservation of organic material such as bone.	Unlikely
Ceremonial Sites	Consultation with relevant Aboriginal parties and individuals is taking place. As a result, it is possible that such information may become available in the future.	Possible that Ceremonial/Social sites will be present within the study area

4.5 ARCHAEOLOGICAL CONTEXT

It is generally accepted that Aboriginal occupation of Australia dates back at least 40,000 years (Attenbrow 2002, p.20-21; Kohen et al. 1983) and as long as 60,000 years (Mulvaney and Kamminga 1999). The result of this extensive and continued occupation has left a vast amount of accumulated depositional evidence, and the Lower Hunter region is no exception. Archaeological evidence of occupation of the region by Aboriginal people dates from the Pleistocene period. Evidence for the earliest occupation includes C14 dates from Moffats Swamp of 14,750 BP, north of Newcastle (AMBS 1993) and at Glennies Creek 10 000–13000 BP (Dallas 2003, p.17). The majority of reliably dated archaeological sites within the region are less than 5,000 years old which places them in the mid to late Holocene period. A combination of reasons has been suggested for this collection of relatively recent dates. There is an argument that an increase in population or 'intensification' of resource use across much of the continent took place around this time leading to a great deal more evidence being deposited compared to the sparser pre-occupation period. It is also the case that many archaeological sites along the past coastline may have been submerged as the seas rose to approximately their current level around 6,000 years ago. This would have had the effect of covering evidence of previous coastal occupation.

Different landscape units not only influence the preservation of sites but can determine where certain site types will be located. Across the whole of the Maitland area the most common Aboriginal archaeological site type of occupation evidence in open artefact scatters, (DECCW, 2010). These are locations where two or more pieces of stone show evidence of human modification. These sites can sometimes be very large, with up to thousands of artefacts and include other habitation remains such as animal bone, shell or fireplaces known as *hearths*, (Attenbrow 2002, p.75-76). Evidence of open scatters can be located in areas where erosion has taken place or embedded in stratified sediments visible only if erosion or excavation has occurred. Open scatters are most likely to occur near water sources and are generally found on ridges, saddles, spurs, and headlands (Brayshaw 1985; AMBS 1993, p.3). Many hundreds of artefact sites have been recorded within the region, despite the fact that much of the area has already been developed to such an extent that any archaeological evidence that may have once been present has been destroyed.

4.6 THE AWABAKAL NATION

It is estimated that around 250 distinct languages were in use throughout the continent at the time of contact. The exact number cannot be known for certain, however, 250 is a conservative estimate. These languages fell within two language groups; the *Pama-Nyungan* and the *Non-Pama-Nyungan* languages. Knowledge of the different language groups in any given area is variable. Early European recordings noted the names of particular Aboriginal individuals and groups but were not always clear about which named groups represented a language rather than some other social grouping (Hardy and Streat, 2008). There was one language group observed in the Newcastle area at the time of European contact, this was the Awabakal language group.

The Awabakal tribe had been identified as belonging to the Hunter River district based on the geographical range of their territory. This includes areas around Newcastle, Lake Macquarie, Fern Bay in the north and Tuggerah Lakes to the south (Austin et al, 1995). Their nearest neighbours were the Worimi to the north who were centred on Port Stephens, however, it is believed the Hunter River, as a major geographic feature, was the demarcation line between the territories of these two language groups. To the south of the Awabakal were the Kuringgai, whilst the Wonaruah and the Darkinjung occupied areas to the northwest and west of the Awabakal, and the Kamilaroi occupied land to the northwest. This view is concurred with by the Australian Institute of Aboriginal and Torres

Strait Islander Studies, (Australian Institute of Aboriginal and Torres Strait Islander Studies 2000). Physical displays of identity were represented in Local cicatrization marks and mutilation through ritualistic practices (Gunson, 1974).

The traditional life of the Aboriginal population of the Newcastle area was seen to remain despite European settlement and the impact of European culture. This is reflected in the historical documentation of the area and illustrations by Joseph Lycett in which the cultural activities of local Indigenous people are depicted. Reverend Lancelot Thelkeld is acknowledged for his contributions to the ethnographical works within the Hunter region of which he specifically focused on the Awabakal people. Having lived in close contact over a long period of time he was able to communicate through the use of the Awabakal language and in turn provide insight into the Nature and practices of the Awabakal people. Thelkeld was witness to a number of rituals and recounts the ceremonial initiations as a necessary performance in order to acquire spiritual knowledge (Keary, 2009). The locations of such rituals were often conducted in places of spiritual significance which were associated and/or linked with dreaming ancestors.

Brayshaw (1995) also discusses Awabakal ceremonial activities and practices as being reflective of their relationship to the land and link with the dreaming. The dreaming is that which refers to ancestral beings who wandered the land giving it form and feature and as a result, places of ritualistic practices are often associated with specific landforms such as Nobbys Island and Sugarloaf Mountain.

A wide variety of activities comprised the lifestyle of the Aboriginal groups across the region. The Awabakal are a coastal nation and undertook fishing practices and trading based on their location along the coastal fringe which was a particularly rich resource zone and was utilised for resources such as fish, shellfish, small mammals and on occasion, whales. These behaviours leave traces which can be retrieved by archaeological study of material remains.

The influx of European settlers had a substantial impact on the land use patterns of the Awabakal and severely altered the movement between the coast and the interior that is thought to have existed at the time. As Newcastle became a port for free settlers, local land was purchased at a rapid rate resulting in some hunting and fishing grounds being inaccessible. Jobs such as fishing, carriers, and servants were undertaken by local Indigenous in return for European items such as, blankets and corn (Turner 1997). Influenza and diseases spread through the population however, it was not seen to have affected the Hunter region as much as the Sydney based Indigenous populations. Colonisation led to the marginalisation of local Indigenous groups to which traditional practices were also affected as a result of European integration, however, the spiritual connections the Awabakal have to their country still transpires in the surrounding landforms.

4.7 PREVIOUS ARCHAEOLOGICAL STUDIES NEAR THE STUDY AREA

As part of the research process of this report the library of archaeological assessments, test excavation and open area salvage excavation reports which is located at the offices of Heritage NSW at Hurstville was consulted. Presented below are summaries of indigenous archaeological survey assessments, test excavations and salvage excavations in the vicinity of the study area, which have all been carried out. This list is by no means exhaustive and is merely a representative sample of archaeological activity within the vicinity of the study area.

Brayshaw, H. (1981a) - Archaeological Survey of Proposed Rail Spur - Mt Thorley to Warkworth/Lemington

In 1981, Brayshaw assessed an area of land between Mt Thorley and Warkworth in association with the development of a spur rail line. This assessment located two new Aboriginal archaeological deposits or objects in the form of open artefact scatters. One scatter consisted of less than ten artefacts and the second of 30 artefacts. The conclusion of the assessment was that the study area was of low archaeological significance and the located sites would not be affected by the proposed development and as such the sites should be left intact and the development should proceed with caution.

Brayshaw, H. (1981b) - Archaeological Survey of Revised - Mt Thorley to Warkworth/Lemington

In 1981, Brayshaw continued the assessment in the area of land between Mt Thorley and Warkworth in association with the revised development of a spur rail line. This assessment located no new Aboriginal archaeological objects or deposits. The conclusion of the assessment was that the study area was of low archaeological potential and development should proceed with caution.

Ruig, J and Dean-Jones, P. (1993) – Proposed Rural Residential Subdivision of Lots 36 and 37 DP 260384. Report on Archaeological Salvage (Surface collection and Excavation) Site Hambledon Hill 1.

In 1993, Ruig and Dean-Jones undertook surface collection and salvage excavation on an area of land in association with the proposed subdivision at Lots 36 and 37, DP 260384 Singleton. A total of 1016 stone artefacts were located from two separate sites as part of the surface collection and 870 artefacts were located as a result of the salvage excavation of five test trenches.

Griffiths, T. (1994) - An Investigation of Aboriginal Sites and relics for the Proposed Optic Fibre Cable Route Mt Thorley to Broke

In 1994, Griffiths assessed an area of land between Mt Thorley and Broke in association with a proposed fibre optic cable installation. This assessment located no new Aboriginal archaeological objects or deposits. The conclusion of the assessment was that the study area was of low archaeological potential and development should proceed with caution.

Brayshaw, H. and Haglund, L. (1994) - Archaeological Survey for Aboriginal Sites, Mt Thorley Mine, Hunter Valley

In 1994, Brayshaw and Haglund assessed an area of land at Mt Thorley in association with further development of the Mt Thorley Coal Mine. This assessment located one new Aboriginal archaeological deposit or object, in the form of an isolated artefact (MT37) and relocated a previously recorded archaeological site in the form of an open scatter (Salt Pan Creek). The conclusion of the assessment was that MT 37 was of low archaeological significance and need no further archaeological work before the development took place while further salvage excavation was required at Salt Pan Creek.

Mills and Wilkinson Consulting (1994) - Archaeological Survey of Proposed Extension to the Coal Loading and Storage Areas of Mount Thorley Coal Loader

In 1994, Mills and Wilkinson Consulting assessed an area of land at Mt Thorley in association with further development of the Mt Thorley Coal Loader. This assessment located seven new Aboriginal archaeological deposits or objects in the form of five isolated artefacts and two open scatters one consisting of five artefacts and another of 51 artefacts. The conclusion of the assessment was that the two open scatters were of archaeological significance and should be left intact and a buffer established around them to ensure protection and the isolated artefacts were of low archaeological significance and no further archaeological work was required.

Kuskie, P.J. for South East Archaeology Pty Ltd (1995) – Archaeological Survey and Assessment of Woodberry Swamp at Thornton

In 1994 and 1995 Kuskie assessed approximately 228 hectares proposed for subdivision. One isolated find and nine artefact scatters were located despite low visibility and subsurface excavation was recommended. Grader scrapes located 12 artefact scatters comprised of 234 artefacts across 11,716m². Artefacts were predominately flakes and broken flakes made from silcrete. Evidence of microliths and heat treatment were evident and silcrete was noted to be available from the local area. Artefact densities were highest near the wetlands.

Besant, A. (2002) - Archaeological Assessment of Proposed Works at Redbournberry Bridge, Singleton

In 2002, Besant assessed an area of land at Redbournberry Bridge, Singleton in association with modifications and redevelopment of the Redbournberry Bridge and road. This assessment located two new Aboriginal archaeological deposits or objects in the form of an isolated artefact (Redbournberry One) and an open scatter (Redbournberry Two). The conclusion of the assessment was that Redbournberry One and Two could be partially impacted by the development, but no further archaeological work needed to occur before the development took place under a section 90 AHIP.

AMBS (2002) - Abbey Green Mt Thorley Mine Hunter Valley, Archaeological Assessment

In 2002, AMBS assessed an area of land at Abbey Green in association with further development of the Mt Thorley Coal Operations. This assessment located nine new Aboriginal archaeological deposits or objects in the form of two isolated artefacts and seven open scatters. The conclusion of the assessment was that one of the open scatters was of archaeological significance and should be left intact and a buffer established around it to ensure protection while the remainder were of low archaeological significance and no further archaeological work was required and the sites could be impacted under section a 90 AHIP.

AMBS (2002) - Salt Pan Creek, Mt Thorley Mine, Archaeological Salvage Excavations (Volume A - Main Report)

In 2002, AMBS undertook salvage excavation on an area of land at Mt Thorley in association with further development of the Mt Thorley Coal Operations. This excavation took place over two separate open areas and revealed artefact densities of 70 per square metre and 9 per square metre. The artefacts were largely silcrete and the salvage excavations allowed the development to take place under a section 90 AHIP.

Appleton, J. (2002) - The Archaeological Investigation of the Site of a Proposed Ventilation Shaft Facility and a Private Powerline at Glennies Creek Colliery, near Singleton, NSW

In 2002, Appleton assessed an area of land at the Glennies Creek Colliery near Singleton in association with further development of a ventilation shaft facility. This assessment located one new Aboriginal archaeological deposit or object in the form of an isolated artefact. The conclusion of the assessment was that the development could be modified sufficiently enough to allow the site to remain intact and the development could proceed with caution.

Umwelt (2002) – Archaeological Survey and Assessments of Lots 7 - 11 DP 253172, New England Highway, Northwest of Singleton, NSW

In 2002, Umwelt undertook an archaeological assessment of a proposed concrete batch plant site for a proposed subdivision on the corner of North Tunnel Road and Cessnock Road, Cessnock. Two previously recorded sites (WP17 and WP18 above) were given in the OEH AHIMS database provided for the Umwelt (2002) report as being included in the search for that concrete batch plant project. No further reference was made to the sites.

McCardle Cultural Heritage (2005) - Singleton Industrial Rezoning, Indigenous Archaeological Assessment

In 2005, McCardle Cultural Heritage assessed an area of land at Singleton in association with Singleton industrial rezoning. This assessment located 39 new Aboriginal archaeological deposits or objects in the form of ten isolated artefacts and 29 open artefact scatters. The conclusions of the assessment ranges from no further archaeological work required to test and salvage excavation section 90 AHIP and development modification to leave sites intact.

McCardle Cultural Heritage (2005) - Mt Thorley Industrial Estate S90 Collection

In 2005, in addition to the previous study, McCardle Cultural Heritage assessed an area of land at Mt Thorley in association with development of the Mt Thorley Industrial Estate. This assessment located three new Aboriginal archaeological deposits or objects in the form of three open artefact scatters. The conclusions of the assessment were that the area was heavily disturbed and no further archaeological work was required and the development could proceed under section 90 AHIP.

AHMS (2006a) - Hunter Valley Gardens, Pokolbin, NSW. Aboriginal Archaeological Assessment, Proposed Rezoning and Master Planning

In 2006, AHMS undertook an Aboriginal heritage assessment for a proposed re-zoning and master plan for the Hunter Valley Gardens Lakeside Precinct. The site recording form (37-6-1675 site LP1) identified a large artefact scatter across an 80m x 30m area consisting of more than 150 flakes, pieces, cores, retouched flakes, backed artefacts and a thumbnail scraper with charcoal patches which had been reduced by dam shore erosion. The actual location is on the southern margin of the dam on the north side of Broke Road on Lot 6713. A Department of Environment and Conservation (DEC) Section 90 consent to impact/destroy was recommended. This site would not be impacted by the Broke Road widening/upgrading project.

AHMS (2006b) – Hunter Valley Gardens, Pokolbin, NSW. Aboriginal Archaeological Assessment, Proposed Rezoning and Master Planning

In 2006, AHMS also recorded site (37-6-1676 site LP2) as part of the above project. The site recording form identified an artefact scatter across an 150m x 70m area, with in excess of 30 flakes, pieces, cores and a geometric backed artefact representing various stages of the reduction sequence. Charcoal was also found on the western margin of the dam north of Broke Road. A DEC Section 90 consent to impact/destroy was also recommended. This site would not be impacted by the Broke Road widening/upgrading project.

HLA (2006) Metford Road PAD, Archaeological Test Excavation

In 2006 HLA excavated an area at the junction of Metford Road and Raymond Terrace Road. Nine silcrete flakes without retouch, two silcrete flakes with retouch and two silcrete cores were identified. The area was identified as disturbed due to mixed fill and Umwelt (2018) identified this as destroyed, in contrast to the AHIMS database which lists it as valid.

Kuskie, P.J. for South East Archaeology Pty Ltd (2008) Archaeological Test Excavation, Claredon Residential Group

Following earlier assessments in 2004 and 2006, Kuskie assessed a 133 hectare lot proposed for residential subdivision. This was referred to as 'Thornton North Area C'. a survey of the area resulted in 71 artefacts from seven artefact scatters. These were predominately silcrete and tuff and were comprised of flakes and broken flakes and Bondi Points and geometric microliths were recorded.

Further testing across 9 areas recovered 262 artefacts. These were largely silcrete (70%) with tuff present (25%) as well as small percentage of rhyolite, quartz and other volcanic materials. Comparable to the survey finds, these were comprised of flakes and

broken flakes with some backed artefacts and flakes, bipolar artefacts cores and other retouched artefacts present. Kuskie stated that the location of material was concentrated into discrete activity areas.

Testing on the remainder of the proposed lot identified 707 artefacts from six locations. Artefact density was identified as highest close to the Four Mile Creek Wetlands and Hunter River.

AMBS (2009) - Aboriginal Cultural Heritage Assessment, Idano Road, Singleton

In 2009, AMBS assessed an area of land at Idano Road, Singleton. This assessment located one new Aboriginal archaeological deposit or object in the form of one open scatter. The conclusions of the assessment were that the area was heavily disturbed and no further archaeological work was required and the development could proceed under section 90 AHIP.

AMBS (2009) – Kurri - Redbank Feeder 953/95R (132 kV) Upgrade: Aboriginal Heritage Assessment, Hunter Valley, NSW (Volume A - Main Report)

In 2009, AMBS assessed an area of land between Kurri and Redbank in association with further development the Kurri - Redbank Feeder (132kV) Upgrade. This assessment located two new Aboriginal archaeological deposits or objects in the vicinity of the study area, in the form of one isolated artefact and one open scatter. The conclusion of the assessment was that the isolated find could be left intact, and the open scatter was of low archaeological significance and should be left intact where possible. However, elements of the scatter were moved, and a buffer established around it to ensure protection and to allow the development to proceed under a section 90 AHIP (AMBS 2002). Both these sites were relocated as part of this current assessment.

Umwelt (2018) – New Maitland Hospital, Aboriginal Cultural Heritage Assessment Report

An Aboriginal Cultural Heritage Assessment was undertaken by Umwelt in 2018 which involved in a survey resulting in the located of an isolated find within the study area (AHIMS site no. 38-4-1684). As a result of the assessment a community collection of the artefact was to take place. AMAC were engaged to undertake this collection.

AMAC (2018) – New Maitland Hospital, Collection Report and Sub Management Plan

As a result of the discovery of AHIMS site no. 38-4-1684, AMAC were engaged to complete a community collection and supporting Aboriginal Cultural Heritage Sub Management Plan as part of the status of the proposed New Maitland Hospital as a State Significant Infrastructure (SSI # 9022).

AMAC (2019) – Closebourne Estate, Due Diligence Aboriginal Archaeological Assessment

In 2019 AMAC were engaged to undertake a Due Diligence Aboriginal Archaeological Assessment at the Closebourne Estate, Closebourne. A site inspection and preliminary desktop study resulted in the recommendations that further assessment in the form of an Aboriginal Cultural Heritage Assessment and a test excavation program should be undertaken. The site believed to contain intact natural soils.

AMAC (2021) – Morpeth Shared Pathway, Aboriginal Cultural Heritage Assessment Report

In 2021, AMAC was engaged by Maitland City Council to undertake an Aboriginal Cultural Heritage Assessment for the Morpeth Shared Pathway. The assessment included test excavations. No Aboriginal archaeological objects, features, and/or deposits were located as a result of the test excavation with the A1 horizon (artefact bearing deposit) largely absent, due to high disturbance from Hunter River and local urban land use. No further investigation was recommended due the significant site

disturbance and nil-low potential for Aboriginal objects/deposits. As a result, the proposed works were allowed to proceed with caution.

AMAC (2022) – Melbourne Street Drainage, Due Diligence Aboriginal Archaeological Assessment

In 2022, AMAC was commissioned by Maitland Council to conduct a Due Diligence assessment for the proposed Melbourne Street Drainage works, East Maitland. A site survey identified moderate to high disturbance across the area, however a potential for intact natural subsurface soils remained. The site was located within 200m of water and a nearby Corroboree/Contact Site (AHIMS Site 38-4-0153) was also identified. Further investigation was recommended in the form of an Aboriginal Cultural Heritage Assessment, with full Aboriginal community consultation.

Virtus Heritage (2022) – Melville Ford Bridge Replacement Due Diligence Aboriginal Archaeological Assessment

In 2022, Virtus Heritage conducted a Due Diligence assessment for Maitland Council. A site inspection resulted in the identification and recording of an isolated find - Melville Bridge IF1 - consisting of one stone flake. The find was found on the south-east side of the bridge on the sand banks within a highly modified context. The assessment recommended the Aboriginal site - Melville Bridge IF1 - is avoided by the proposal and a fencing buffer be installed in consultation with the Mindaribba LALC and Maitland Council while works are undertaken.

The assessment further recommended that if the proposed works cannot avoid harm to the Aboriginal site - Melville Bridge IF1 – then an Aboriginal Cultural Heritage Assessment, including the preparation of an Archaeological Assessment, and Aboriginal community consultation in accordance with the Aboriginal cultural heritage consultation requirements for proponents 2010 (DECCW 2010b). Virtus recommended that the AHIP consider at a minimum community collection/cultural salvage in consultation with the relevant Aboriginal parties, particularly the Mindaribba LALC (Virtus 2022).

AMAC (2023) – Oakhampton Heights Flood Access Route, Due Diligence Aboriginal Archaeological Assessment

In 2023, AMAC completed a desktop assessment of the proposed flood access route located on Scobies Lane, Oakhampton Road and South Willards Lane, Oakhampton Heights. The study area was highly disturbed due to current land use practices. It was however located within a close vicinity of the Hunter River and therefore further assessment was recommended.

The practical ramifications of the aforementioned archaeological assessments and excavations are that there is a low-moderate potential for Aboriginal archaeological objects to be present within the study area, particularly if intact original soil profiles are present.

4.8 REGISTERED SITES LOCATED NEAR THE VICINITY OF THE STUDY AREA

AHIMS Site 46-6-0060 - Melville Bridge Isolated Find 1

There is one registered Aboriginal site located within the study area. The isolated find is a stone artefact recorded as Melville Bridge IF1 and identified in June 2022 during a site inspection by site officers Les Draper and Sam Campbell (Mindaribba LALC), Michael Leong (Maitland City Council), and archaeologists Vanessa Hardy (Cultural Heritage Connections) and Garth Thompson (Virtus Heritage). The Aboriginal artefact was located on the southeast side of the bridge (see Figures 4.4–4.7), in a sandy embankment with good visibility (Virtus Heritage 2022).

The find is a single mudstone flake and shows no signs of heat treatment or retouch. The stone flake measures 29mm x 15mm x 8mm. Due to the extensive natural and anthropogenic disturbance across the site, there is little to no potential for intact archaeological deposit. Access to the site is easily attained from the road.

A copy of the site card is available in Appendix Two.



Figure 4-4 Image of Melville Bridge Isolated Find 1.
AHIMS Site Card 46-6-0060.



Figure 4-5 View east towards Melville Bridge Isolated Find 1.
AHIMS Site Card 46-6-0060.



Figure 4-6 View northeast towards Melville Bridge Isolated Find 1.
AHIMS Site Card 46-6-0060.



Figure 4-7 2022 site survey along south-east riverbank.
Virtus Heritage (2022).

5.0 PHYSICAL EVIDENCE

The study site was inspected on foot on the 1st of February 2023 by archaeologist Martin Carney of AMAC and Les Draper, the representative of the Mindaribba Local Aboriginal Land Council (MLALC). Where practical the whole of the study area was inspected, however, there were a number of limiting factors, such as the current bridge and road encompassing a large portion of the study area. Any areas of exposed soil or areas of erosion were inspected in detail. No Aboriginal artefacts were found during the site inspection. The study site has low-moderate archaeological potential due to significant anthropogenic and natural disturbances from frequent flooding events; however, a full archaeological assessment is required due to the presence of the Hunter River.

All registered Aboriginal Stakeholders will be provided a copy of this report for review and comment.

All visible landscape units were inspected as well as photographed where informative details as to land use and disturbance could be ascertained. Information was also collected regarding land surface and vegetation conditions as encountered during the survey.

The following broadly outlines the methods adopted:

- field inspections will be carried out on foot
- attempts will be made to relocate the registered sites within the study area and assess their condition
- highly disturbed areas indicated on plans will be inspected to verify the level of disturbance and depending on level of disturbance will be included or excluded from the additional survey
- undisturbed areas will be inspected in as much detail as the remaining surface coverage and environment will allow and the results will be recorded
- areas of exposed ground such as tracks or eroded surfaces which allow good surface visibility will form the focus of the field inspections.

The study area had variable vegetation and ground surface exposure due to natural and anthropogenic disturbances including flooding events, bridge upgrades, and road maintenance. Areas of exposure were evident at the boundary of the road and on the exposed floodplain. As a result, the study area has significant surface disturbances to large sections of the original ground. The surrounding riverbanks and nearby landscapes have been significantly altered. The probability for any intact A horizon (artefact bearing soil layer) is unlikely to be present in this area. However, despite the significant disturbances redeposited/residual soils may be present below the deposits that may have cultural significance to the Aboriginal community.

6.0 CULTURAL HERITAGE RESPONSES

All registered stakeholders will be given a copy of this report and given a minimum of 28 days to comment on this report. All comments will be incorporated into this report. This section outlines the research questions and responses concerning the cultural heritage of the study area.

6.1 REGISTERED STAKEHOLDER QUESTIONS

All registered stakeholders have been given a copy of a proposed Aboriginal Cultural Heritage Assessment (ACHA) research methodology and given 28 days to respond to this methodology.

The following is a questionnaire that was included with the ACHA methodology.

- Does the study area hold any social, spiritual, or cultural values to the participating Aboriginal stakeholders? If so, what are these values and are they confined to particular parts of the study area?
- Why are these parts or the whole of the study area culturally significant to the participating Aboriginal stakeholders?
- Are particular parts of the study area more important than others?
- Are any previously unidentified known culturally significant places present within the study area? If so, where are they located?
- Are any previously unidentified Aboriginal objects or Aboriginal places present within the study area? If so, where are they located?
- Are any previously unidentified natural or archaeological resources present within the study area? If so, where are they located?
- Are there any traditional stories or legends associated with the study area?
- Are there any recollections of Aboriginal people living within the study area?
- Is there any information to suggest the presence of burials within the study area?
- Are any traditional flora or fauna resources associated with the study area?
- Does the study area have any sensory scenic or creatively significant cultural values? If so, what are these values and are they confined to particular parts of the study area and where are they located?
- In what way, if any, will the proposed development harm the identified cultural heritage and archaeological values of the study area?
- Do the participants have suggestions on the mitigative strategies for the management of the cultural and archaeological values of the study area?
- Are there any gender specific cultural values associated with the study area which cannot be raised in a male presence?
- Are there any gender specific cultural values associated with the study area which cannot be raised in a female presence? If so, how would the Aboriginal stakeholders like these dealt with?
- Do the participants have any concerns not yet raised in this interview?

6.2 REGISTERED STAKEHOLDER SUBMISSIONS TO QUESTIONS & RESEARCH METHODOLOGY

6.2.1 Awabakal Traditional Owners Corporation

RE: Melville Ford Bridge Replacement - ACHAR Methodology

Kerrie Brauer [REDACTED]

Fri 19/05/2023 12:48 PM

To: Ben Streat <benjaminsstreat@archaeological.com.au>

Cc: Consultation <consultation@archaeological.com.au>

Hi Ben,

I just wanted to talk to you about the placement of the artefact that was recorded, as it looks very much like an animal has dislodged an artefact while digging a burrow and both Peter Leven and I have come across this many times before.

Considering the height of the bank, I believe it would be worth while doing some test pits along each side where the new Bridge is going as there is potential for more artefacts to be present.

Happy to discuss.

Many thanks,
Kerrie

ATOAC

Kerrie Brauer | Director | Administration | Awabakal Traditional Owners Aboriginal Corporation

[REDACTED]

RE: Melville Ford Bridge - Revised Methodology

Kerrie Brauer <[REDACTED]>

Wed 21/06/2023 12:34 PM

To: Consultation <consultation@archaeological.com.au>

Cc: Ben Streat <benjaminsstreat@archaeological.com.au>

Hi Steve,

It was good talking with you as well and we appreciate the revised methodology recommendations that you have sent through.

We agree with the revised methodology and believe that the contents have covered our comments and recommendations for the protection of our Cultural Heritage.

Many thanks,
Kerrie Brauer

ATOAC

Kerrie Brauer | Director | Administration | Awabakal Traditional Owners Aboriginal Corporation

[REDACTED]

6.3 REGISTERED STAKEHOLDER SUBMISSIONS TO ACHAR

6.2.1 Murra Bidgee Mullangari

Re: Melville Ford Bridge - ACHAR Draft

Darleen Johnson [REDACTED]

Mon 14/08/2023 1:24 PM

To: Consultation <consultation@archaeological.com.au>

Hi

I have read the project information and ACHAR for the above project, I endorse the recommendations made.

Kind regards

Darleen Johnson
[REDACTED]

6.2.2 Didge Ngunawal Clan

Re: Melville Ford Bridge - ACHAR Draft

lilly carroll [REDACTED]

Tue 18/07/2023 12:17 PM

To: Consultation <consultation@archaeological.com.au>; Ben Streat
<benjaminstreat@archaeological.com.au>

Hi Steve

All good from our end towards your draft for Melville Ford bridge

Cheers Paul

6.2.3 Woka Aboriginal Corporation

Re: Melville Ford Bridge - ACHAR Draft

Steven Johnson [REDACTED]

Tue 25/07/2023 6:50 PM

To: Consultation <consultation@archaeological.com.au>; Ben Streat
<benjaminstreat@archaeological.com.au>

Hey Mate

We do not see any issues with the draft

Sincerely

Steve Johnson

Aboriginal Heritage Custodian
[REDACTED]

*We respectfully acknowledge the Traditional Owners of the lands upon which we work
and pay our deep respect to Elders past, present and emerging.*

No other submissions were made

7.0 SIGNIFICANCE ASSESSMENT

The processes of assessing significance for items of cultural heritage value are set out in *The Australian ICOMOS Charter for the Conservation of Places of Cultural Significance: the Burra Charter* (amended 1999; 2013) formulated in 1979 and based largely on the Venice Charter of International Heritage established in 1966. As part of the archaeological assessment for significance, a key step in the process is to assess the potential impact of a proposed activity to reflect the cultural significance or value of an object, site, or place in the recommendations for conservation, management, or mitigation. As defined in the 'Burra Charter' (ICOMOS 1988) cultural significance is broken into four parts: aesthetic, historic, scientific, and social value for past, present, or future generations. Cultural significance is a concept which assists in understanding the value of (pre-) historical places as a means to enrich the present and be of value to future generations (ICOMOS 1988). The Burra Charter is considered best practice standard for cultural heritage management and conservation for archaeological and cultural significance for Aboriginal people in Australia. The Burra Charter Guidelines (ICOMOS 1988) set out the following four criteria for the assessment of archaeological and cultural significance.

7.1 ARCHAEOLOGICAL & CULTURAL SIGNIFICANCE

7.1.1 Social Significance

The social value embraces the qualities for which a place, object, or site has become a focus of spiritual, political, national, or other cultural sentiment to a majority or minority group. (Australia ICOMOS 1988). According to the Guide to investigating, assessing, and reporting on Aboriginal cultural heritage in NSW, "social or cultural value can only be identified through consultation with Aboriginal people" (OEH 2011:8).

No specific social significance has been assigned to the study area by any of the registered Aboriginal Stakeholders.

7.1.2 Historic Significance

A place may have historic value because it has influenced, or has been influenced by, an historic figure, event, phase, or activity. It may also have historic value as the site of an important event. For any given place the significance will be greater where evidence of the association or event survives in situ, or where the settings are substantially intact, than where it has been changed or evidence does not survive. However, some events or associations may be so important that the place retains significance regardless of subsequent treatment (Australia ICOMOS 1988).

Historical research did not locate any specific historical significance of identified Aboriginal archaeological sites within the study area. No specific historic significance has been assigned to the study area by any of the registered Aboriginal Stakeholders.

7.1.3 Scientific Significance

The scientific value of any given location will depend on the importance of the data that can be obtained from any archaeological material located on its rarity, quality, and on the degree to which this may contribute further substantial information to a scientific research process (Australia ICOMOS 1988).

No specific scientific significance has been assigned to the study area by any of the registered Aboriginal Stakeholders.

7.1.4 Aesthetic Significance

Aesthetic value includes aspects of sensory perception for which criteria can and should be stated. Such criteria may include consideration of the form, scale, colour, texture, and material of the fabric; the smells and sounds associated with the place and its use (Australia ICOMOS 1988).

No specific aesthetic values have been assigned to the study area by any of the registered Aboriginal Stakeholders.

8.0 PROPOSED ACTIVITY

This section outlined the proposed activity including the staging and timeframes along with the potential harm of the proposed activity on Aboriginal objects and or declared Aboriginal places, assessing both the direct and indirect result of the activity on any cultural heritage values associated with the study area.

It also aims to outline the justification for harm with the intention of avoiding and minimising harm where possible.

8.1 DESCRIPTION OF PROPOSED ACTIVITY

The proposed works seek to demolish the current Melville Ford Bridge and construct a new bridge downstream. Works will also include the removal of two trees and the re-grading of the Hunter Riverbanks to facilitate road realignment. The new bridge is to be raised by 2m, have a 77-metre concrete deck, and supported by either steel or concrete piers. During the 2022 floods, the Hunter River rose ca. 10m above the current bridge height, resulting in the total inundation of the study area.

The following works are proposed:

- Existing bridge to be demolished
- Construction of new bridge downstream
- Road to be re-aligned
- Hunter Riverbanks to be re-graded (batter)
- Removal of two trees
- Cut, fill, and levelling works.

The proposed works will impact the entirety of the study area. The site has a deep soil profile which may contain intact soil profiles in sections of the study area with a low potential for Aboriginal artefacts of conservation value to be present. Due to the extensive natural (e.g., 2022 floods) and anthropogenic (e.g., bridge/riverbank grading works) disturbance to the site, however, there is a nil-low potential for intact archaeological deposits.

No formal areas of exclusion have been identified in the current plans.

8.2 PROPOSED DEVELOPMENT JUSTIFICATION

The following was provided by Mr. Michael Leong, Civil Engineer - Maitland City Council.

Melville Ford Bridge in its current position is the 5th bridge to have been constructed at this location since 1897. The current bridge constructed in 1952 provides a low-level crossing of the Hunter River giving access to residents residing on Maitland Vale Road on the North side of the Hunter River. As a low-level crossing, the bridge is significantly impacted by rainfall events causing the bridge to be inundated and closed for extended periods of time.

A bridge report prepared in 2017 identified that the existing structure has reached the end of its useful life, finding that the structure needed significant structural work to extend its lifespan, the bridge currently operates with a 5T weight restriction due to its age and deteriorated state.

The proposed replacement structure located adjacent to the existing bridge within the existing road corridor will be located at a higher elevation above the river level providing increase flood resistance and better access for residents North of the river. The proposed structure will be constructed to current standards which will remove the load restriction allowing for heavy vehicle traffic access to properties, waste collection and improved access for emergency services.

8.3 POTENTIAL HARM TO ABORIGINAL OBJECTS AND CULTURAL HERITAGE

The proposed development will impact and harm any objects and/or deposits of Aboriginal and/or archaeological significance that may be present. Due to the location of the Aboriginal site (AHIMS Site 46-6-0060) on the riverbank to the southeast of the bridge, the study area holds potential for Aboriginal objects/deposits with conservation value to be present. As a result, an Aboriginal Heritage Impact Permit (AHIP) will need to be in place before any development impacts can take place with further archaeological assessment recommended.

8.4 ASSESSING HARM

The proposed development will impact and harm any objects and/or deposits of Aboriginal and/or archaeological significance that may be present. Due to the location of the Aboriginal site (AHIMS Site 46-6-0060) on the riverbank to the southeast of the bridge, the study area holds potential for Aboriginal objects/deposits with conservation value to be present. As a result, an Aboriginal Heritage Impact Permit (AHIP) will need to be in place before any development impacts can take place with further archaeological assessment recommended.

8.5 AVOIDING AND MINIMISING HARM TO ABORIGINAL OBJECTS

The proposed development will impact and harm any objects and/or deposits of Aboriginal and/or archaeological significance that may be present. Due to the location of the Aboriginal site (AHIMS Site 46-6-0060) on the riverbank to the southeast of the bridge, the study area holds potential for Aboriginal objects/deposits with conservation value to be present. As a result, an Aboriginal Heritage Impact Permit (AHIP) will need to be in place before any development impacts can take place with further archaeological assessment recommended.

8.6 JUSTIFICATION OF HARM TO ABORIGINAL OBJECTS

The proposed development will impact and harm any objects and/or deposits of Aboriginal and/or archaeological significance that may be present. Due to the location of the Aboriginal site (AHIMS Site 46-6-0060) on the riverbank to the southeast of the bridge, the study area holds potential for Aboriginal objects/deposits with conservation value to be present. As a result, an Aboriginal Heritage Impact Permit (AHIP) will need to be in place before any development impacts can take place with further archaeological assessment recommended.

8.7 ECOLOGICALLY SUSTAINABLE DEVELOPMENT AND INTERGENERATIONAL EQUITY

The ability of any development to be completely ecologically sustainable will be limited by definition. However, the proponents of this development appear to have made significant efforts to meet the needs of the current generation without compromising the ability of future generations to meet their own needs. This has been accomplished by proposing a plan on a manageable and affordable scale while still protecting and conserving the archaeological resources. This is being accomplished by a community collection under an Aboriginal Heritage Impact Permit (AHIP) with the possibility of salvage excavation if needed as well as extensive consultation with the relevant Aboriginal community.

Inter-generational equity refers to the equitable sharing of resources between current and future generations. The planet's current generation should ensure that future generations have the same opportunities and resources available. This idea is being accomplished by designing a building with as little disturbance to the ground surface as possible and as such any archaeological or cultural material that may be present in these areas either identified or unidentified will be left intact and persevered for future generations.

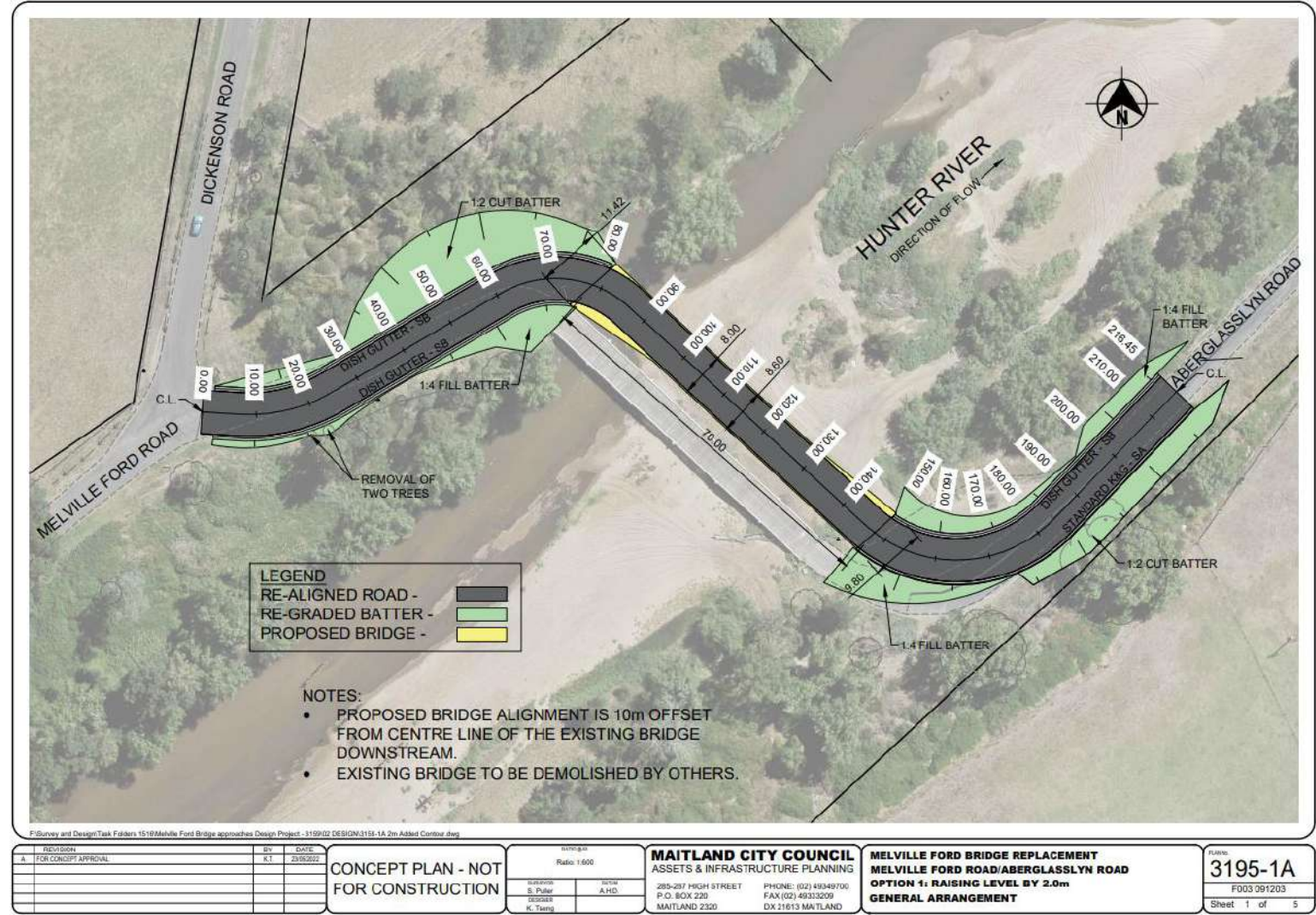


Figure 8-1 General Arrangement.
Maitland City Council (2022). Plan No. 3195-1A.

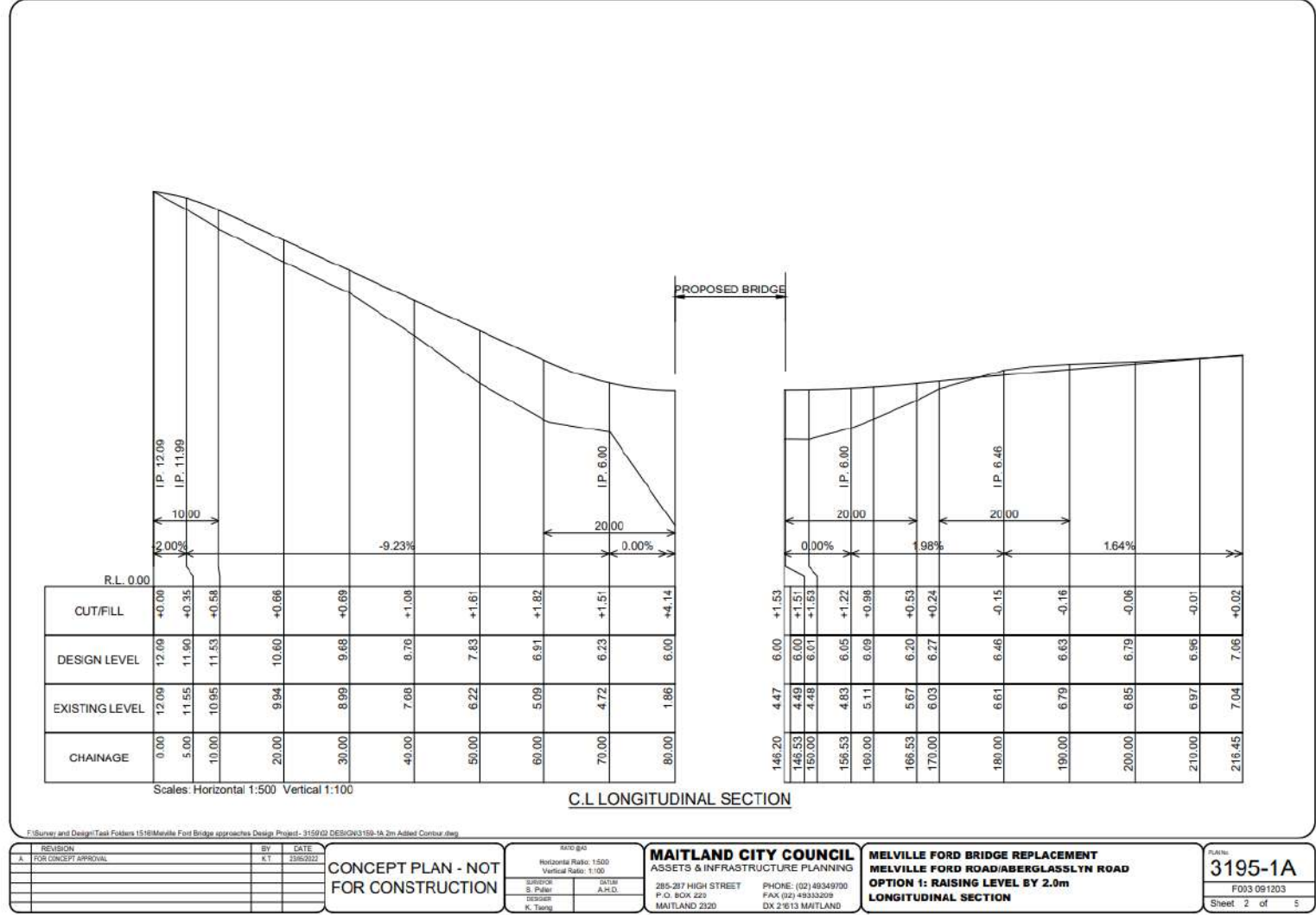
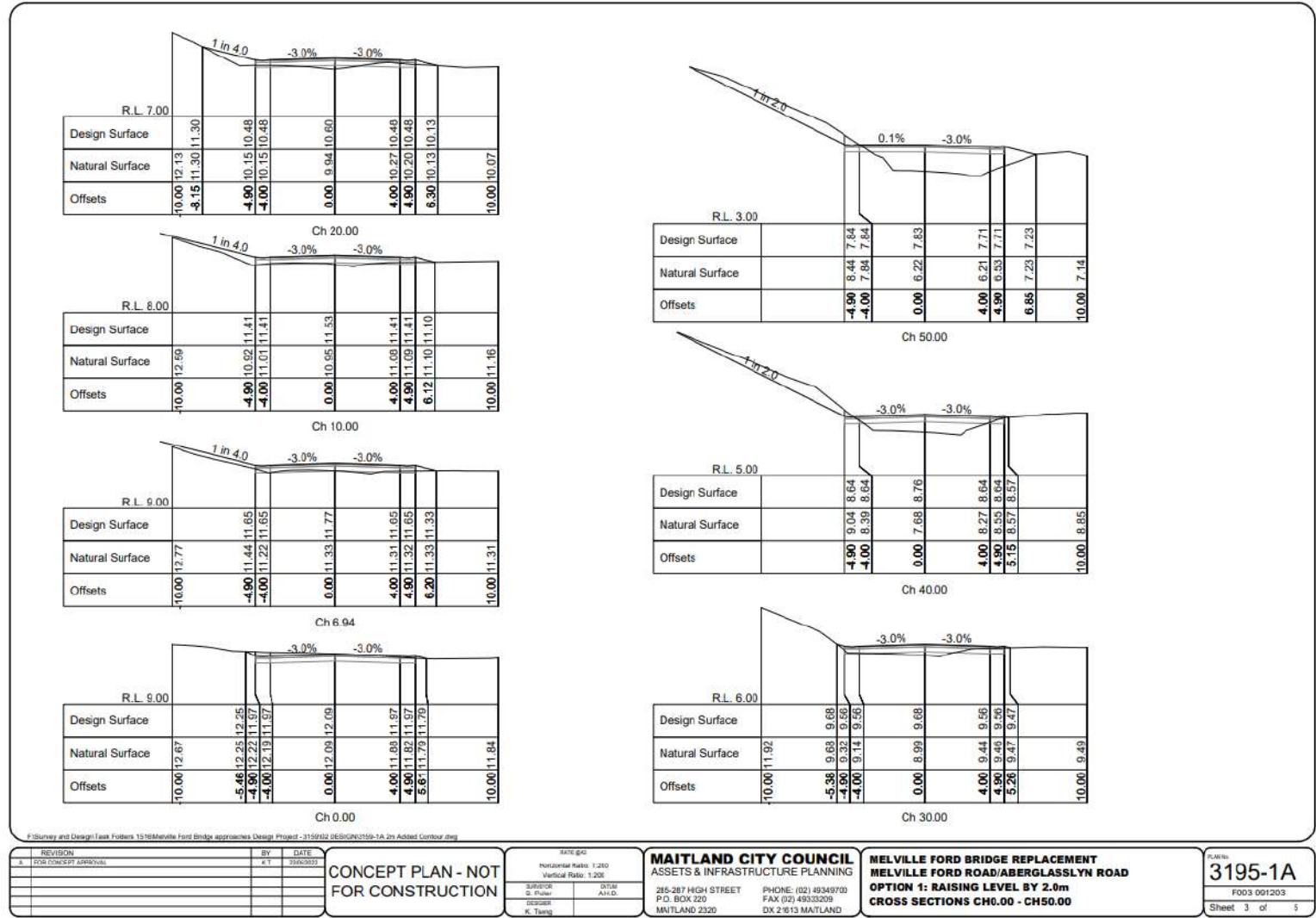


Figure 8-2 Longitudinal Section.
Maitland City Council (2022). Plan No. 3195-1A.



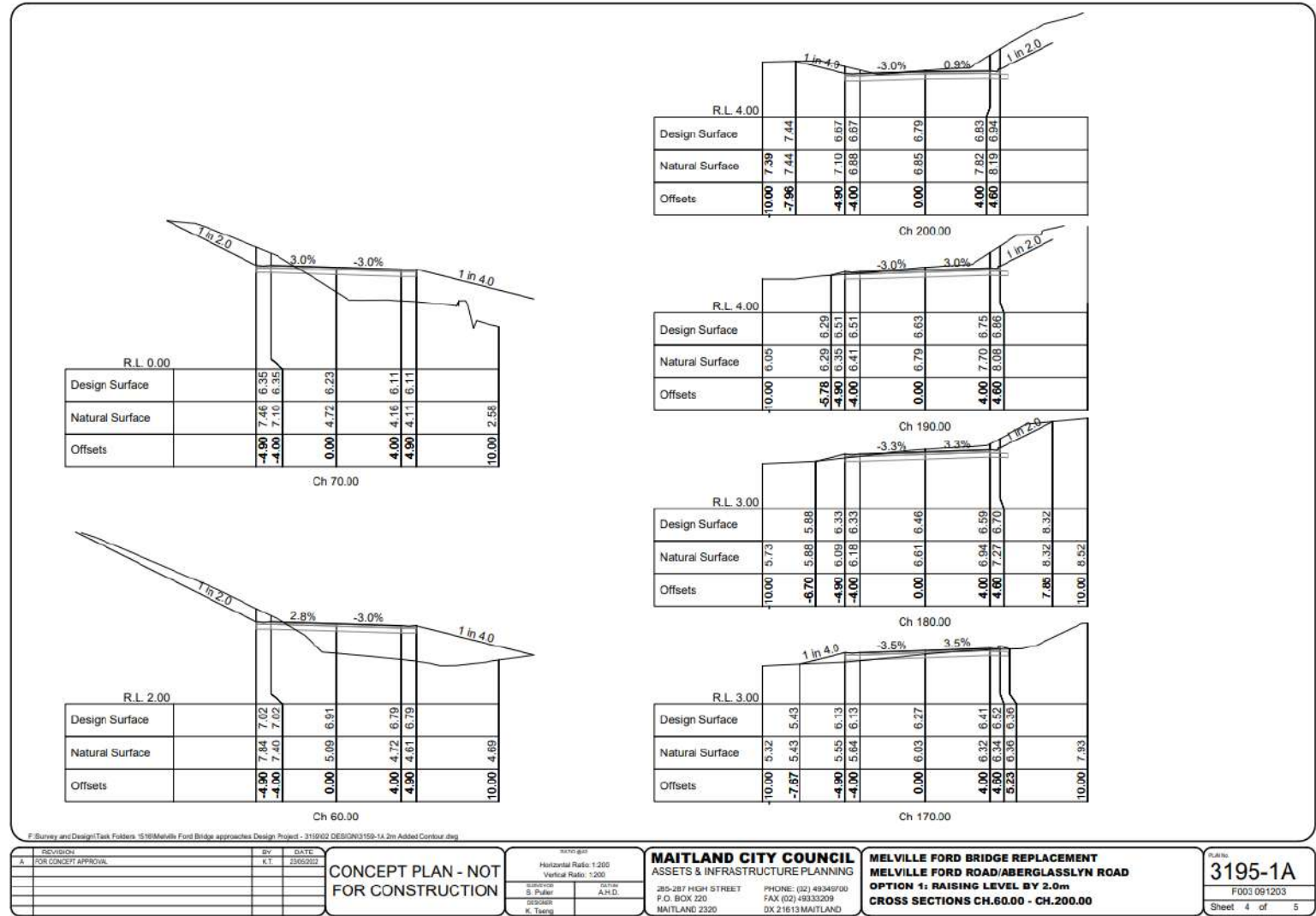


Figure 8-4 Cross Sections CH.60.00 – CH.200.00.
 Maitland City Council (2022). Plan No. 3195-1A.

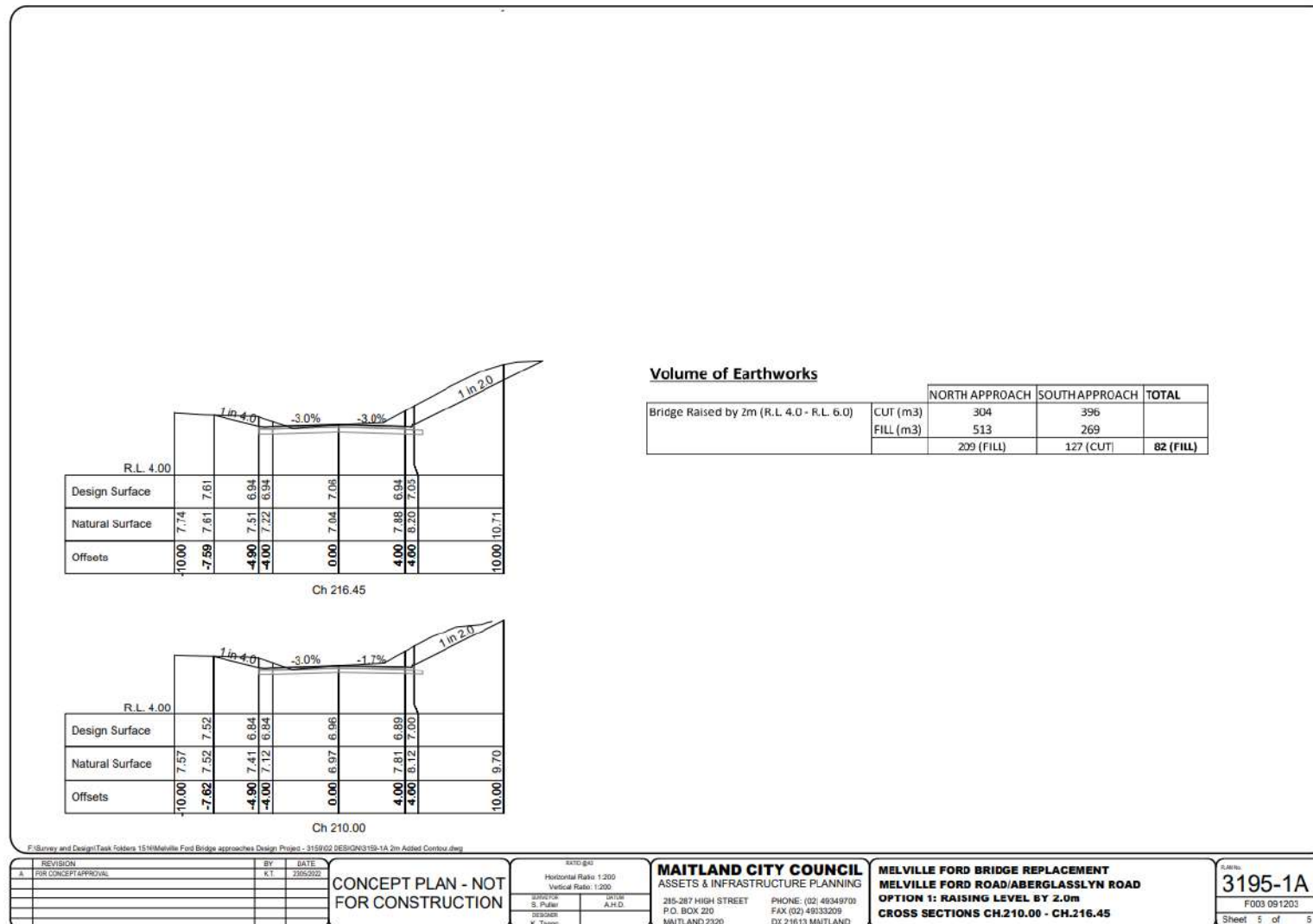


Figure 8-5 Cross Sections CH.210 – CH.216.45.
Maitland City Council (2022). Plan No. 3195-1A.

9.0 MANAGEMENT AND MITIGATION

The management recommendations presented in the following section of the report take into account the following:

- Legislation outlined in this report which protects Aboriginal cultural and archaeological objects and places in New South Wales
- Research and assessment carried out by the author/s of this report
- Results of previous archaeological assessment and excavation in the vicinity of the study area
- The concerns and views of the Aboriginal stakeholders listed in this report
- The impact of the proposed development on any Aboriginal archaeological material that may be present
- The requirements of the consent authority (Maitland City Council).

9.1 ADDITIONAL WORKS - COMMUNITY COLLECTION

This section outlines proposed works as per recommendations set out in this report as part of the AHIP application. A community collection should be conducted with the registered Aboriginal stakeholders prior to the development works proceeding. The proposed program is to be undertaken in consultation with RAPs. All Aboriginal archaeological materials identified during the community collection are to be recorded to a standard comparable to requirement 7 of the Code of Practice for the investigation of Archaeological objects in NSW with all recovered individual artefact locations captured by GPS (GDA 94).

9.1.1 Community collection methodology

This recommendation is for a surface collection of the study area prior to any development works taking place. This involves the manual collection of all Aboriginal cultural surface material. This is to be undertaken in consultation and participation of the RAPs.

The following collection parameters are proposed:

- The impacted area will be traversed on foot and all Aboriginal archaeological and/or cultural material located within this development zone will be subject to collection.
- All individual cultural lithic items identified during collection are to be photographed with appropriate graded metric scale and location captured by GPS (GDA 94).
- Once any Aboriginal archaeological and/or cultural material have been collected, they will be placed within a secure zip lock bag and labelled with the site number, date, and status as being surface collected then placed in a larger zip lock bag for processing.
- All collected material will undergo processing including an assemblage photograph and artefact count with this data being included in the final cultural salvage report.

- Any archaeological/cultural material, that is, in the opinion of the archaeologist and the RAPs, to not be of similar cultural, aesthetic, historic, and scientific significance, should be subject to a further assessment and review.
- After artefact collection the appropriate AHIMS site card(s) shall be submitted, including impact forms to reflect the results and status of the site.

9.2 CARE AND CONTROL

If any archaeological material is recovered it shall be subject to a care and control agreement established after the nature and significance of the archaeological or cultural material is understood as per requirement 26 of the *Code of practice for the investigation of Archaeological objects in NSW*.

Any artefacts recovered shall be reburied as soon as practicable. They will be temporarily secured in a storage location in accordance with requirement 26 of the *Code of practice for the investigation of Archaeological objects in NSW*, pending any agreement reached as to the long-term management of the salvaged Aboriginal objects.

The excavation director is responsible for ensuring that procedures are put in place so that Aboriginal objects that are reburied are not harmed. The location of the secure temporary storage location must be submitted to AHIMS with a site update record card for the site(s) in question.

If no care and control agreement is agreed upon and determined within a suitable timeframe, then any artefacts collected will be lodged with the Australian Museum for storage.

9.3 RECOMMENDATIONS

The proposed works are proceeding under Part 5 of the *Environmental Planning & Assessment Act 1979* for works undertaken as Development without Consent in accordance with the State Environmental Planning Policy (Transport & Infrastructure) 2021. The proposed project, however, has the potential to disturb the ground surface impacting the entirety of the study area with regards to the construction of the new bridge, road re-alignment, and re-grading batter works.

The study area currently contains one registered Aboriginal site e.g., AHIMS Site 46-6-0060, consisting of an isolated artefact - Melville Bridge IF1. Due to the location of the Aboriginal site on the riverbank to the southeast of the bridge, the study area holds potential for Aboriginal objects/deposits with conservation value to be present. As a result, both an Aboriginal Heritage Impact Permit (AHIP) and Transport & Infrastructure (SEPP 2021) approval will need to be in place before any development impacts (Figures 8.1-8.5) can take place with further archaeological assessment recommended.

As part of the AHIP application, a community collection, should be conducted with the registered Aboriginal stakeholders prior to the development works proceeding. As deep soils are known in the study area and if proposed works encounter natural soils further assessment is required and the appropriate mitigation should take place as outlined in the recommendations below. In addition, according to the management recommendations proposed by the Mindaribba LALC, the artefact should be removed during the proposed works and reburied as close as possible to the artefact's current location.

The following recommendations have been formulated after consultation with the proponent and Heritage NSW:

- Consultation with the Registered Aboriginal Parties (RAPs) should continue, as per the requirements detailed in the Aboriginal Cultural Heritage Consultation Requirements for Proponents (DECCW, 2010).
- As the study area holds potential surface Aboriginal objects (e.g., Melville Bridge IF1) with potential conservation value, both an Aboriginal Heritage Impact Permit (AHIP) and Transport & Infrastructure (SEPP 2021) approval will need to be in place, before any development impacts (Figures 8.1-8.5) can proceed in accordance with Part 6; *National Parks and Wildlife Act 1974*.

It should be noted that an AHIP for impact will only be issued by Heritage NSW with the final Transport & Infrastructure (SEPP 2021) approval in place.

- The AHIP is to cover the proposed impact zones to known and unknown artefacts for which this Aboriginal Cultural Heritage Assessment Report, along with the Aboriginal Archaeological Technical Report, will form the Aboriginal Heritage Impact Permit (AHIP) application.
- As part of the AHIP application, a community collection as set out in Section 9.1, should be conducted with the registered Aboriginal stakeholders prior to the development works proceeding. In addition, the artefact - Melville Bridge IF1 - should be removed during the proposed works and reburied as close as possible to the artefact's current location.
- **If intact natural soils are encountered** as per Section 9.0 of this document, then appropriate mitigation will need to take place as outlined below.
- A Two-Stage approach has been proposed to establish the nature and extent of any archaeological objects and/or deposits that are/may be present:
 - Stage One will consist of ***monitoring the proposed bridge works*** by an AMAC archaeologist and a representative of the Mindaribba Local Aboriginal Land Council (MLALC)/Aboriginal Stakeholders to allow for a significant and representative area of the site to be sampled. If this stage indicates that **intact natural soil profiles and/or Aboriginal objects are present on site and it is warranted**, then this will trigger Stage Two.
 - Stage Two will consist of open area testing (see below), which will allow exploration of features identified in Stage One. Triggers for Stage Two excavation include: identification of natural soil profiles, features such as hearths; recovery of large numbers of Aboriginal objects, identification of multi-phase occupation, identification of areas of 'contact archaeology,' identification of different activity areas on site.
- Should Stage Two be triggered, a systematic sub surface archaeological test excavation in accordance with the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales, Part 4 *National Parks and Wildlife Act 1974 (DECCW 2010)*, should be undertaken to establish the nature and extent of any archaeological objects and/or deposits that are/may be present. This is to take place prior to the development activity proceeding.
- If archaeological test excavation in accordance with the Code of Practice for Archaeological Investigations of Aboriginal Objects in New South Wales, Part 6 *National Parks and Wildlife Act 1974, (DECCW 2010)* **reveals no Aboriginal**

archaeological objects or deposits, the proposed development as outlined in Figure 8.1-8.5, should be allowed to 'proceed with caution.'

- In the event, archaeological test excavations reveal Aboriginal archaeological objects or deposits, the following is recommended. Once the nature and extent of the archaeological site has been established through test excavation, the data will be analysed and synthesised into a test excavation report. Dependent on the status of the project, a 2nd Aboriginal Heritage Impact Permit (AHIP) and/or Aboriginal Cultural Heritage Management Plan (ACHMP), is to be produced in order to allow the development to proceed.
- The registered site (AHIMS Site 46-6-0060) will need to be updated in the AHIMS database along with a completed site impact form.
- After this and before any ground disturbance takes place all development staff, contractors and workers should be briefed prior to works commencing on site, as to the status of the area and their responsibilities in ensuring preservation of the said area. They should also be informed of their responsibilities regarding any Indigenous archaeological deposits and/or objects that may be located during the following development and aware of the statutory legislation protecting sites or places of significance including the National Parks and Wildlife Amendment (Aboriginal Objects and Aboriginal Places) Regulation 2010, under the *National Parks and Wildlife Act 1974*.

If any Aboriginal archaeological deposits and/or objects are located during the development, then the following should take place:

- All work is to cease in the immediate vicinity of the deposits and/or objects.
- The area is to be demarcated.
- Heritage NSW, a qualified archaeologist and the participating RAPs are to be notified.

Should any human remains be located during the development, then the following should take place:

- All excavation in the immediate vicinity of any objects of deposits shall cease immediately.
- The NSW police and Heritage NSW Enviroline be informed as soon as possible.
- Once it has been established that the human remains are Aboriginal ancestral remains, Heritage NSW and the relevant Registered Aboriginal Parties will identify the appropriate course of action.

Additional Recommendations:

Copies of the final version of this report should be forwarded to the following individuals and organisations:

- Heritage NSW
- Mindaribba Local Aboriginal Land Council
- Didge Ngunawal Clan
- Widescope Indigenous Group
- Corroboree Aboriginal Corporation
- Woka Aboriginal Corporation
- Awabakal Traditional Owners Corporation
- Ungooroo Aboriginal Corporation
- AGA Services

- Cacatua Culture Consultants
- Jarban & Mugrebea
- Gomery Cultural Consultants
- Murra Bidgee Mullangari Aboriginal Corporation
- Wallangan Cultural Services.

10.0 PROPOSED AHIP BOUNDARY

Due to the location of the Aboriginal site (AHIMS Site 46-6-0060) on the riverbank to the southeast of the bridge, the study area holds potential for Aboriginal objects/deposits with conservation value to be present. As a result, further archaeological and cultural assessment is warranted including applying for an Aboriginal Heritage Impact Permit (AHIP) in order to allow any development impacts (Figures 8-1-8.5) to proceed in accordance with Part 6; *National Parks and Wildlife Act 1974*. This will be in compliance with the legislative requirements concerning the impact on known and unknown Aboriginal objects/features in NSW. As a result, the Aboriginal Heritage Impact Permit (AHIP) will need to be in place before any development impacts take place.

The authors of this report have made no AHIP application for this site in the past and are not aware of any previous AHIP application made by any other party. The area to which the AHIP is to apply, is shown in Figure 10.1, indicated in red.

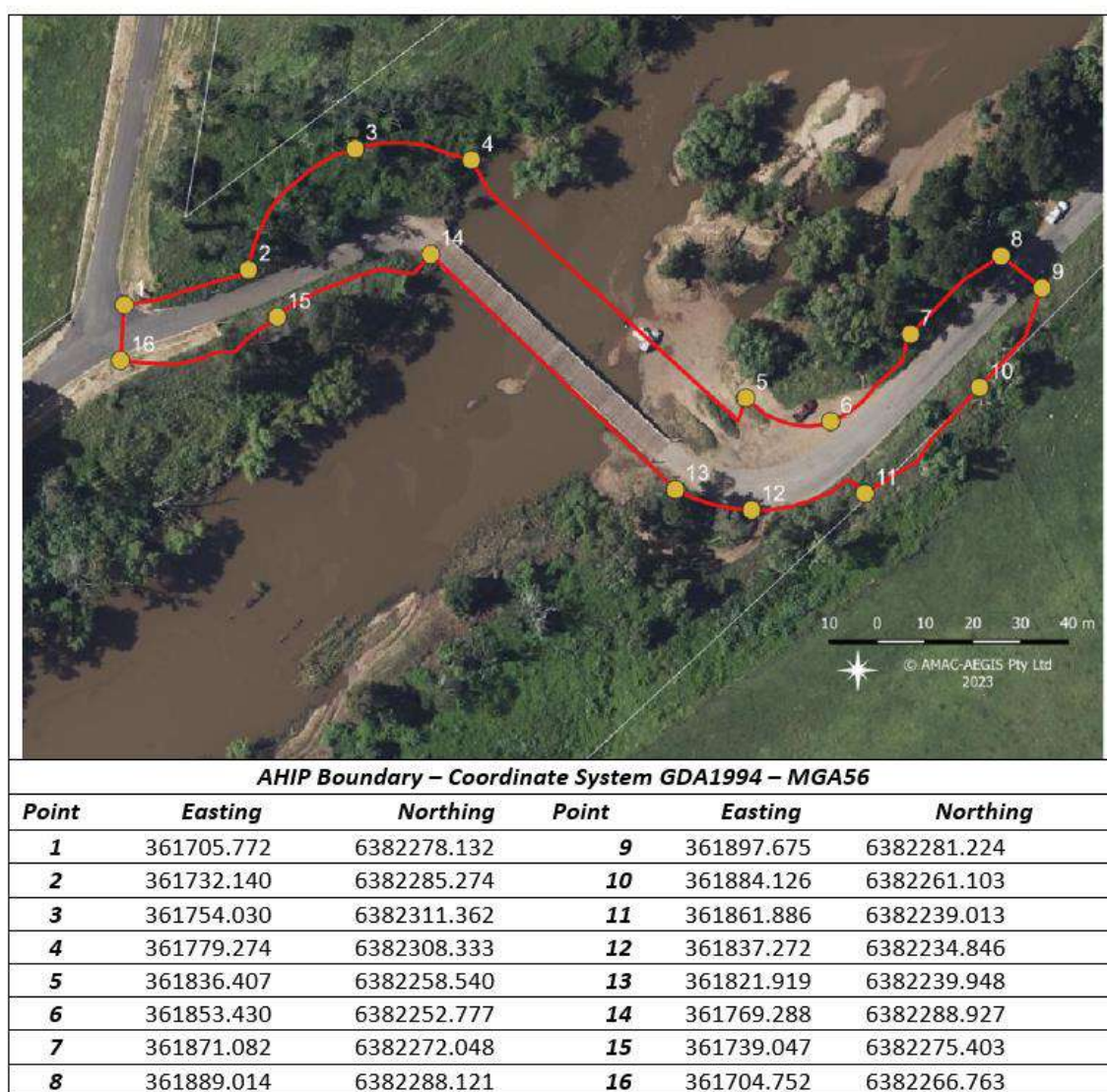


Figure 10-1 AHIP Boundary indicated in red with Reference Points and Coordinates.
AMAC Group (2023). Six Maps. LPI Online, (accessed 20/06/2023).

11 GLOSSARY

Term	Definition
Aboriginal Object	A term now used (formerly 'relic') within the NSW <i>National Parks and Wildlife Act, 1974</i> to refer to "...any deposit, object or material evidence (not being a handicraft made for sale) relating to the Aboriginal habitation of the area that comprises New South Wales, being habitation before or concurrent with (or both) the occupation of that area by persons of non-Aboriginal extraction, and includes Aboriginal remains."
AHIP	Aboriginal Heritage Impact Permit, issued under Part 6 of the National Parks and Wildlife Act 1974, where harm to an Aboriginal object or Aboriginal place cannot be avoided.
Alluvial	Describes material deposited by, or in transit in flowing water.
AMAC	Archaeological Management and Consulting Group.
Artefact	Any object, usually portable, that has been made or shaped by human hand.
Assemblage	A collection of artefacts found in close proximity with one another often excavated together.
Axe grinding Grooves	Areas on a stone surface where other items such as stone tools, wood or bones have been sharpened.
Basalt	A dark coloured, basic volcanic rock.
Bioturbation	Reworking of sediments through the action of ground dwelling life forms. This can also include soil cracking and root activity.
Broken Flake	A flake fragment which displays only part of the diagnostic features of a complete flake.
BP	Before present (AD1950).
Burial	Sites containing the physical remains of deceased Aboriginal people.
Ceremonial Sites	Places or objects of ceremonial, religious or ritual significance to Aboriginal people.
Chert	A hard siliceous rock suitable for flaking into tools.
DCP	Development Control Plan.
DP	Deposited Plan.
DPIE	Department of Planning, Industry and Environment formerly known as OEH.
Erosion	Process where particles are detached from rock or soil and transported away principally via water, wind and ice.
Flake	A piece of stone, detached by striking a core with another stone.
Flaking/Knapping	The process of making stone tools by detaching flakes from a piece of stone.
Friable	Easily crumbled or cultivated.
Hard setting	Soil which is compact and hard. It appears to have a pedal structure when dried out.
Heritage Division	Formerly known as the Heritage Branch
Holocene	The period of time since the last retreat of the polar icecaps, commencing approximately 10,000 – 110,000
Intensification	Increased social and economic complexity.
Landscape Unit	An area of land where topography and soils have distinct characteristics, are recognisable, describable by concise statements and capable of being represented on a map.
Laminite	A thinly bedded, fine grained sedimentary rock.
LEP	Local Environment Plan.
LGA	Local Government Area.

Term	Definition
Lithics	A term used to describe stone and stone artefacts.
Loam	A medium textured soil of approximate composition of 10- 25% clay, 25- 50% silt and 2% sand.
Loose	A soil which is not cohesive.
Matrix	Finer grained fraction, typically a cementing agent within soil or rock in which larger particles are embedded.
Midden	Aboriginal occupation site consisting chiefly of shells, which can also include bone, stone artefacts and other debris.
NPW Act	National Parks and Wildlife Act 1974
OEH	NSW Office of Environment and Heritage (formerly known as the DECCW)
Open Campsite	A surface accumulation of stone artefacts and/ or other artefacts exposed on the ground surface.
Potential Archaeological Deposit (PAD)	An area where no surface archaeological remains are visible but where it has been assessed that there is some potential for sub-surface archaeological remains to be present.
Ped	An individual, natural soil aggregate.
Pedal	Describes a soil in which some or all of the soil material occurs in the form of peds in a moist state.
Plastic	Describes soil material which is in a condition which allows it to undergo permanent deformation without appreciable volume change or elastic rebound and without rupture.
Pleistocene	The epoch of geological time starting 1.8 million years ago.
Quartz	Common mineral with naturally sharp edges and poor fracturing properties. Colour ranging from clear, to milky white and pink.
Quartzite	Homogenous medium to coarse grained metamorphosed sandstone.
Rock Painting	Encompassing drawing, paintings or stencils that have been placed on a rock surface usually within a rock shelter.
Rock Engraving	Pictures which have been carved, pecked or abraded into a rock surface, usually sandstone and predominantly open, flat surfaces.
Sandstone	A detrital sedimentary rock with predominantly sand sized particles.
Scarred/ Carved Tree	A tree from which bark has been deliberately removed.
Sclerophyll	Denoting the presence of hard stiff leaves, typically used to classify forest and indicative of drier conditions.
Sedimentation	Deposition of sediment typically by water.
Silcrete	A sedimentary rock comprising of quartz grains in a matrix of fine grained – amorphous silica.
Silt	Fine soil particles in size ranges of 0.02 – 0.002mm.
Slope	A landform element inclined from the horizontal at an angle measured in degrees or as a percentage.
SHI	State Heritage Inventory
SHR	State Heritage Register
Subsoil	Subsurface material comprising the B and C horizons of soils with distinct profiles.
Stone Resource Site	A geological feature in the landscape from which raw material for the manufacture of stone tools was obtained.
Texture	The coarseness or fineness of a soil as measured by the behaviour of a moist ball of soil when pressed between the thumb and forefinger.
Topsoil	A part of the soil profile, typically the A1 Horizon, containing material, which is usually darker, more fertile and better structured than the underlying layers.

Term	Definition
Weathering	The physical and chemical disintegration, alteration and decomposition of rocks and minerals at or near the earth's surface by atmospheric and biological agents.

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APPENDICES

APPENDIX ONE: AHIMS SEARCH RESULTS



AHIMS Web Services (AWS) Search Result

Your Ref/PO Number : Melville Ford Bridge

Client Service ID : 769781

AMAC Group P/L

Date: 03 April 2023

122c Percival Rd

Stanmore New South Wales 2048

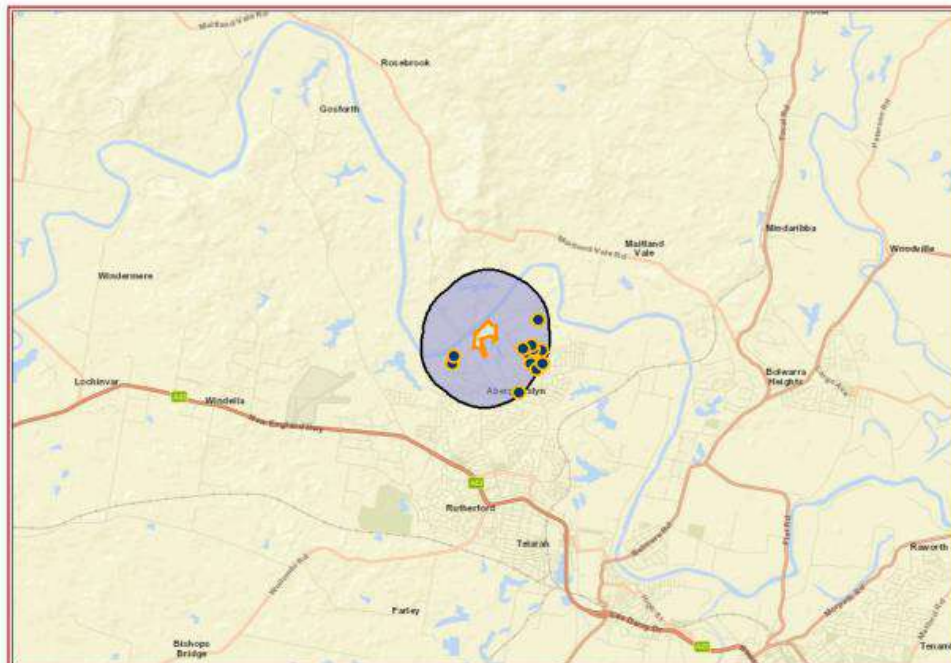
Attention: Martin Carney

Email: amac@archaeological.com.au

Dear Sir or Madam:

AHIMS Web Service search for the following area at Lot : 332, DP:DP1113189, Section : null with a Buffer of 1000 meters, conducted by Martin Carney on 03 April 2023.

The context area of your search is shown in the map below. Please note that the map does not accurately display the exact boundaries of the search as defined in the paragraph above. The map is to be used for general reference purposes only.



A search of Heritage NSW AHIMS Web Services (Aboriginal Heritage Information Management System) has shown that:

15	Aboriginal sites are recorded in or near the above location.
0	Aboriginal places have been declared in or near the above location. *

If your search shows Aboriginal sites or places what should you do?

- You must do an extensive search if AHIMS has shown that there are Aboriginal sites or places recorded in the search area.
- If you are checking AHIMS as a part of your due diligence, refer to the next steps of the Due Diligence Code of practice.
- You can get further information about Aboriginal places by looking at the gazettal notice that declared it. Aboriginal places gazetted after 2001 are available on the [NSW Government Gazette](https://www.legislation.nsw.gov.au/gazette) (<https://www.legislation.nsw.gov.au/gazette>) website. Gazettal notices published prior to 2001 can be obtained from Heritage NSW upon request

Important information about your AHIMS search

- The information derived from the AHIMS search is only to be used for the purpose for which it was requested. It is not to be made available to the public.
- AHIMS records information about Aboriginal sites that have been provided to Heritage NSW and Aboriginal places that have been declared by the Minister;
- Information recorded on AHIMS may vary in its accuracy and may not be up to date. Location details are recorded as grid references and it is important to note that there may be errors or omissions in these recordings,
- Some parts of New South Wales have not been investigated in detail and there may be fewer records of Aboriginal sites in those areas. These areas may contain Aboriginal sites which are not recorded on AHIMS.
- Aboriginal objects are protected under the National Parks and Wildlife Act 1974 even if they are not recorded as a site on AHIMS.
- This search can form part of your due diligence and remains valid for 12 months.



AHIMS Web Services (AWS)

Extensive search - Site list report

Your Ref/PO Number : Melville Ford Bridge

Client Service ID : 769781


SiteID	SiteName	Datum	Zone	Easting	Northing	Context	Site Status **	SiteFeatures	SiteTypes	Reports
38-4-1512	MCKEACHIES AS 1	GDA	56	362866	6381792	Open site	Valid	Artefact : 1		103462
	Contact									
	Recorders									
38-4-1513	MCKEACHIES AS 2	GDA	56	363031	6381816	Open site	Valid	Artefact : 1		
	Contact									
	Recorders									
38-4-0611	ABER 2	AGD	56	361210	6381350	Open site	Valid	Artefact : -		98364,102158,102229
	Contact									
	Recorders									
38-4-1517	MCKEACHIES AS 6	GDA	56	362759	6381768	Open site	Valid	Artefact : 1		103462
	Contact									
	Recorders									
38-4-1058	Site 2 Isolated Find	GDA	56	362865	6381829	Open site	Valid	Artefact : 1		102158,102229
	Contact									
	Recorders									
38-4-1525	MCKEACHIES AS 3A	GDA	56	363040	6381566	Open site	Valid	Potential Archaeological Deposit (PAD) : 1, Artefact : 1		
	Contact									
	Recorders									
38-4-1516	MCKEACHIES AS 5	GDA	56	362825	6381558	Open site	Valid	Artefact : 1		103462
	Contact									
	Recorders									
38-4-1057	Site 1 Open Camp Site	GDA	56	362825	6381909	Open site	Valid	Artefact : 3		102158,102229
	Contact									
	Recorders									
38-4-1528	McKeachies AS 7a	GDA	56	362667	6381839	Open site	Valid	Artefact : 1, Potential Archaeological Deposit (PAD) : 1		103462
	Contact									
	Recorders									
38-4-1515	MCKEACHIES AS 4	GDA	56	362934	6381456	Open site	Valid	Artefact : 1		103462
	Contact									
	Recorders									
38-4-1518	MCKEACHIES AS 7	GDA	56	362667	6381839	Open site	Valid	Artefact : 1		
	Contact									
	Recorders									
38-4-0613	ABER 1	AGD	56	361250	6381500	Open site	Valid	Artefact : -		102158,102229
	Contact									
	Recorders									
38-4-0689	AD1	AGD	56	362500	6380800	Open site	Valid	Artefact : 2		101043,102158,102229
	Contact									
	Recorders									
38-4-0864	AB Site 2	AGD	56	362855	6382216	Open site	Valid	Artefact : 6		100253,100770,102158,102229
	Contact									
	Recorders									
	Contact	Searle								
	Recorders	Mary Dallas Consulting Archaeologists (MDCA)								

Report generated by AHIMS Web Service on 03/04/2023 for Martin Carney for the following area at Lot : 332, DP:DP1113189, Section : null with a Buffer of 1000 meters. Number of Aboriginal sites and Aboriginal objects found is 15

This information is not guaranteed to be free from error omission. Heritage NSW and its employees disclaim liability for any act done or omission made on the information and consequences of such acts or omission.

Page 1 of 2

APPENDIX TWO: AHIMS SITE CARD 46-6-0060

		<h1>Aboriginal Site Recording Form</h1>	
Senior Heritage Information Officer, Heritage NSW, Locked Bag 5020, NSW 2124			
Office Use Only			
Site number		4 6 - 6 - 0 0 6 0	
Date received	/ /	Date entered into system	/ /
Entered by (I.D.)			
Information access			
<input type="checkbox"/> Gender/male	<input type="checkbox"/> Gender/female	<input type="checkbox"/> Location restriction	<input checked="" type="checkbox"/> General restriction
<input type="checkbox"/> No access			
For further information contact:			
<input checked="" type="checkbox"/> Nominated Trustee			
Title	Surname	First name	Initials
Mr	Les	Dampier	LD
Organisation: Mindabribba LALC			
Address:			
Phone number	0 2 4 0 1 5 7 0 0 0	Fax	
<input type="checkbox"/> Knowledge holder			
Title	Surname	First name	Initials
Organisation:			
Address:			
Phone number		Fax	
Aboriginal Heritage Unit or Cultural Heritage Division Contacts			
Geographic location			
Site Name	Melville Isolated Find 1		
Easting	3 6 1 8 3 6	Northing	6 3 8 2 2 5 5
AGD/GDA		GDA	
Mapsheet			
Zone	56	Location method	Non-Differential GPS
Other registration			
Primary recorder			
Title	Surname	First name	Initials
Mr	Thompson	Garth	GT
Organisation: Virtus Heritage			
Address: 17 / 13 Pearl St, Kingscliff			
Phone number	0 2 6 6 7 6 4 3 5 4	Fax	
Date recorded	28/06/2022		
Client on system			
<input type="checkbox"/>			

Archaeological Management and Consulting Group
November 2023

Aboriginal site recording form - site information			page 3
General site information			Features
Closed site Shelter/cave formation <input type="checkbox"/> Boulder <input type="checkbox"/> Wind erosion <input type="checkbox"/> Water erosion <input type="checkbox"/> Rock collapse Condition of Ceiling <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform	Rock surface condition <input type="checkbox"/> Boulder <input type="checkbox"/> Sandstone platform <input type="checkbox"/> Silica gloss <input type="checkbox"/> Tessellated <input type="checkbox"/> Weathered <input type="checkbox"/> Other platform Shelter Aspect <input type="checkbox"/> North <input type="checkbox"/> North East <input type="checkbox"/> East <input type="checkbox"/> South East <input type="checkbox"/> South <input type="checkbox"/> South West <input type="checkbox"/> West <input type="checkbox"/> North West	Open site Site orientation <input type="checkbox"/> N-S <input checked="" type="checkbox"/> NE-SW <input type="checkbox"/> E-W <input type="checkbox"/> SE-NW <input type="checkbox"/> N/A	<input type="checkbox"/> 1. Aboriginal ceremony and dreaming <input type="checkbox"/> 2. Aboriginal resource and gathering <input type="checkbox"/> 3. Art <input checked="" type="checkbox"/> 4. Artefact <input type="checkbox"/> 5. Burial <input type="checkbox"/> 6. Ceremonial ring <input type="checkbox"/> 7. Conflict <input type="checkbox"/> 8. Earth mound <input type="checkbox"/> 9. Fish trap <input type="checkbox"/> 10. Grinding groove <input type="checkbox"/> 11. Habitation structure <input type="checkbox"/> 12. Hearth <input type="checkbox"/> 13. Non human bone & organic material <input type="checkbox"/> 14. Ochre quarry <input type="checkbox"/> 15. Potential archaeological deposit <input type="checkbox"/> 16. Stone quarry <input type="checkbox"/> 17. Shell <input type="checkbox"/> 18. Stone arrangement <input type="checkbox"/> 19. Modified tree <input type="checkbox"/> 20. Water hole
Site plan <small>Indicate scale, boundaries of site, features</small>			Site dimensions Closed site dimensions (m) <input type="text"/> Internal length <input type="text"/> Internal width <input type="text"/> Shelter height <input type="text"/> Shelter floor area Open site dimensions (m) <input type="text"/> Total length of visible site <input type="text"/> Average width of visible site <input type="text"/> Estimated area of visible site <input type="text"/> Length of assessed site area

Aboriginal site recording form - site interpretation and community statement		page 4																				
<p>Aboriginal community interpretation and management recommendations</p> <p>Site officer from Mindabribba LALC denoted the artefact constituting the site ad likely been transported to its current location through recent flooding activity. With this in mind their management recommendation was for the artefact to be removed during works and reburied as close as possible to the artefact's current location.</p> <div style="background-color: #e0e0ff; height: 100px; border: 1px solid #ccc;"></div>																						
<p>Preliminary site assessment</p> <p>Site cultural and scientific analysis and preliminary management recommendations</p> <p>Due to the heavy disturbance of the area by flooding events, and continued site development post-contact, the site is of low archaeological scientific significance, and should be reburied nearby.</p> <div style="background-color: #e0e0ff; height: 100px; border: 1px solid #ccc;"></div>																						
<p>This section should only be filled in by the endorsees</p> <p>Endorsed by: <input checked="" type="checkbox"/> Knowledge holder <input type="checkbox"/> Nominated trustee <input type="checkbox"/> Native Title holder <input type="checkbox"/> Community consensus</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 15%;">Title</td> <td style="text-align: center; width: 35%;">Surname</td> <td style="text-align: center; width: 35%;">First name</td> <td style="text-align: center; width: 15%;">Initials</td> </tr> <tr> <td style="border: 1px solid #ccc; text-align: center;">M r</td> <td style="border: 1px solid #ccc; text-align: center;">L e s</td> <td style="border: 1px solid #ccc; text-align: center;">D a m p e r</td> <td style="border: 1px solid #ccc; text-align: center;">L D</td> </tr> <tr> <td colspan="4" style="border: 1px solid #ccc; padding: 2px;"> Organisation M i n d a b r i b b a L A L C </td> </tr> <tr> <td colspan="4" style="border: 1px solid #ccc; padding: 2px;"> Address </td> </tr> <tr> <td colspan="2" style="border: 1px solid #ccc; padding: 2px;"> Phone number 0 2 4 0 1 5 7 0 0 0 </td> <td colspan="2" style="border: 1px solid #ccc; padding: 2px;"> Fax </td> </tr> </table>			Title	Surname	First name	Initials	M r	L e s	D a m p e r	L D	Organisation M i n d a b r i b b a L A L C				Address				Phone number 0 2 4 0 1 5 7 0 0 0		Fax	
Title	Surname	First name	Initials																			
M r	L e s	D a m p e r	L D																			
Organisation M i n d a b r i b b a L A L C																						
Address																						
Phone number 0 2 4 0 1 5 7 0 0 0		Fax																				
<p>Attachments (No.)</p> <p><input type="checkbox"/> A4 location map</p> <p><input type="checkbox"/> B/W photographs</p> <p><input checked="" type="checkbox"/> Colour photographs</p> <p><input type="checkbox"/> Slides</p> <p><input type="checkbox"/> Aerial photographs</p> <p><input type="checkbox"/> Site plans, drawings</p> <p><input type="checkbox"/> Recording tables</p> <p><input type="checkbox"/> Other</p> <p><input type="checkbox"/> Feature inserts-No. </p>	<p>Comments</p> <div style="background-color: #e0e0ff; height: 150px; border: 1px solid #ccc;"></div>																					

Feature recording form - artefact
page 1

Site I.D.

First recorded date

No. of instances

Recorded by

Yes No

Stone artefacts only

Artefacts collected

A permit is required to collect artefacts

Site name

Importance

Percentage of non-stone artefacts to percentage of stone artefacts

0-9% 10-19% 20-29% 30-39% 40-49% 50-59% 60-69% 70-79% 80-89% 90-100%

Feature context and condition

Scatter No. Easting Northing

Density Dimensions Length (m) Width (m) Depth (m)

(Artefact count per square metre)

In situ Stratified

Feature condition

☐ Very good

☐ Good

☒ Poor

General condition

☐ Weathered

☐ Vehicle damage

☐ Surface water wash

☐ Fire damage

☐ Erosion

☐ Stock damage

☒ Exposed archaeological material

Recommended action

☐ Boardwalk

☐ Fencing

☐ Closure to public

☐ Continued inspection

☐ Fire hazard reduction

☐ Expert assessment

☐ Meeting with land manager

☐ Revegetation

☐ Signage

☐ Soil erosion control

☐ Track closure/re-routing

☐ Additional recording

Feature plan (Indicate scale, location of instances)

Feature environment (Complete when feature environment differs to site environment, use attributes from cover card, p. 2)

Land form

Land form unit

Slope

Vegetation

Land use

Water

Distance to permanent water source metres

Distance to temporary water source metres

Name of nearest permanent water source

Name of nearest temporary water

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Feature recording form - modified tree				page 3
Site I.D. <input style="width: 80%;" type="text"/>	Site name <input style="width: 95%;" type="text"/>			
First recorded date <input style="width: 80%;" type="text"/>	Importance <input style="width: 80%;" type="text"/>	Aboriginal information recorded? <input style="width: 80%;" type="text"/>		
No. of instances <input style="width: 80%;" type="text"/>	Recorded by <input style="width: 95%;" type="text"/>			
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>Feature description</p> <p>No. of scars <input style="width: 80%;" type="text"/></p> <p>No. of carved panels <input style="width: 80%;" type="text"/></p> <p>Feature condition</p> <p><input type="checkbox"/> Very good</p> <p><input type="checkbox"/> Good</p> <p><input type="checkbox"/> Poor</p> </div> <div style="width: 30%;"> <p>Condition</p> <p><input type="checkbox"/> Weathered</p> <p><input type="checkbox"/> Ringbarked</p> <p><input type="checkbox"/> Fire damage</p> <p><input type="checkbox"/> Vehicle damage</p> <p><input type="checkbox"/> Insects/termites</p> <p><input type="checkbox"/> Rot</p> <p><input type="checkbox"/> Limb fall</p> <p><input type="checkbox"/> Stock damage</p> </div> <div style="width: 35%;"> <p>Easting <input style="width: 80%;" type="text"/></p> <p>Northing <input style="width: 80%;" type="text"/></p> <p>Recommended action</p> <p><input type="checkbox"/> Fencing</p> <p><input type="checkbox"/> Closure to public</p> <p><input type="checkbox"/> Continued inspection</p> <p><input type="checkbox"/> Expert assessment</p> <p><input type="checkbox"/> Fire hazard reduction</p> <p><input type="checkbox"/> Insect removal</p> <p><input type="checkbox"/> Meeting with land manager</p> <p><input type="checkbox"/> Rubbish removal</p> <p><input type="checkbox"/> Signage</p> </div> <div style="width: 35%;"> <p><input type="checkbox"/> Tree health assessment</p> <p><input type="checkbox"/> Track closure/re-routing</p> <p><input type="checkbox"/> Additional recording</p> </div> </div>				
<p>Feature environment <small>(Complete when feature environment differs to site environment, use attributes from cover card, page 2)</small></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><input style="width: 95%;" type="text"/> Land form</p> <p><input style="width: 95%;" type="text"/> Land form unit</p> <p><input style="width: 95%;" type="text"/> Slope</p> <p><input style="width: 95%;" type="text"/> Vegetation</p> <p><input style="width: 95%;" type="text"/> Land use</p> </div> <div style="width: 50%;"> <p>Water</p> <p>Distance to permanent water source <input style="width: 80%;" type="text"/> metres</p> <p>Distance to temporary water source <input style="width: 80%;" type="text"/> metres</p> <p>Name of nearest permanent water source <input style="width: 95%;" type="text"/></p> <p>Name of nearest temporary water <input style="width: 95%;" type="text"/></p> </div> </div>				
Feature location plan		Scar/carved panel drawing		
<p style="text-align: center;">Indicate scale</p>		<p style="text-align: center;">Attach additional drawings</p>		

Archaeological Management and Consulting Group
November 2023

Feature recording form - groove				page 1
Site I.D. <input style="width: 80%;" type="text"/>	Site name <input style="width: 95%;" type="text"/>		Aboriginal information recorded? <input style="width: 80%;" type="text"/>	
First recorded date <input style="width: 80%;" type="text"/>	Importance <input style="width: 80%;" type="text"/>			
No. of instances <input style="width: 80%;" type="text"/>	Recorded by <input style="width: 95%;" type="text"/>			
Feature description				
Type of grinding feature	Seed species present		Recording date <input style="width: 80%;" type="text"/>	
<input type="checkbox"/> Broad	<input style="width: 95%;" type="text"/>			
<input type="checkbox"/> Narrow/point	Groove function		<input style="width: 95%;" type="text"/>	
<input type="checkbox"/> Hollow				
<input type="checkbox"/> Flat	Dimensions			
Profile shape	Smallest	Largest		
<input type="checkbox"/> 'U' shaped	Length (mm) <input style="width: 80%;" type="text"/>	Length (mm) <input style="width: 80%;" type="text"/>	Groove count <input style="width: 80%;" type="text"/>	
<input type="checkbox"/> 'V' shaped	Width (mm) <input style="width: 80%;" type="text"/>	Width (mm) <input style="width: 80%;" type="text"/>	Cluster count <input style="width: 80%;" type="text"/>	
<input type="checkbox"/> Flat	Depth (mm) <input style="width: 80%;" type="text"/>	Depth (mm) <input style="width: 80%;" type="text"/>		
Feature context and condition				
Easting <input style="width: 80%;" type="text"/>		Northing <input style="width: 80%;" type="text"/>		
Feature condition		Dimensions of whole feature		
<input type="checkbox"/> Very good	<input type="checkbox"/> Fire damage	<input type="checkbox"/> Boardwalk	<input type="checkbox"/> Revegetation	
<input type="checkbox"/> Good	<input type="checkbox"/> Surface water wash	<input type="checkbox"/> Cage/barrier/fencing	<input type="checkbox"/> Rubbish removal	
<input type="checkbox"/> Poor	<input type="checkbox"/> Graffiti	<input type="checkbox"/> Closure to public	<input type="checkbox"/> Signage	
General condition		<input type="checkbox"/> Continued inspection	<input type="checkbox"/> Erosion control	
<input type="checkbox"/> Weathered	<input type="checkbox"/> Vehicle damage	<input type="checkbox"/> Expert assessment	<input type="checkbox"/> Track closure/re-routing	
<input type="checkbox"/> Vandalised	<input type="checkbox"/> Erosion	<input type="checkbox"/> Graffiti removal	<input type="checkbox"/> Additional recording	
	<input type="checkbox"/> Stock damage	<input type="checkbox"/> Meeting with land manager		
Feature plan				
(Indicate scale, location of instances)				
<div style="display: flex; align-items: center;"> <div style="width: 100px; height: 100px; border: 1px solid black; position: relative;"> <div style="position: absolute; top: 0; left: 0;">N</div> <div style="position: absolute; top: 0; right: 0;">NE</div> <div style="position: absolute; bottom: 0; left: 0;">SW</div> <div style="position: absolute; bottom: 0; right: 0;">SE</div> <div style="position: absolute; top: 50%; left: 0; right: 0;">W</div> <div style="position: absolute; top: 50%; left: 0; right: 0;">E</div> </div> </div>				
Feature environment				
(Complete when feature environment differs to site environment, use attributes from cover card, p. 2)				
<input style="width: 80%;" type="text"/> Land form				
<input style="width: 80%;" type="text"/> Land form unit				
<input style="width: 80%;" type="text"/> Slope				
<input style="width: 80%;" type="text"/> Vegetation				
<input style="width: 80%;" type="text"/> Land use				
Water				
Distance to permanent water source <input style="width: 80%;" type="text"/> metres				
Distance to temporary water source <input style="width: 80%;" type="text"/> metres				
Name of nearest permanent water source <input style="width: 95%;" type="text"/>				
Name of nearest temporary water <input style="width: 95%;" type="text"/>				

Feature recording form - art				page 1
Site I.D. <input style="width: 80%;" type="text"/>	Site name <input style="width: 95%;" type="text"/>			
First recorded date <input style="width: 80%;" type="text"/>	Importance <input style="width: 20%;" type="text"/>	Aboriginal information recorded? <input style="width: 20%;" type="text"/>		
No. of instances <input style="width: 80%;" type="text"/>	Recorded by <input style="width: 95%;" type="text"/>			
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Art sketch plan <small>Sketch and number motif groups</small> <div style="border: 1px solid black; height: 200px; width: 100%;"></div>				

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Feature recording form - shell		page 1																																								
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Archaeological Management and Consulting Group
November 2023









CORYMBIA ECOLOGY

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Habitat Tree Assessment

Melville Ford Bridge Replacement, Melville NSW

Background

Corymbia Ecology has been engaged by Terry Bignell of EDM Ecological to conduct a habitat assessment on the trees to be removed for the Melville Ford Bridge Replacement.

The REF for the project identified a group of 12 trees on the North abutment and 4 trees on the south abutment that will require removal for the project. These trees are a combination of introduced and native trees.

Field Visit

The site was visited on the 11th and 16th of August. Trees were inspected for potential habitat and stagwatched by two individuals over the dusk period of 5.30 – 6.30pm to identify whether bats may be currently roosting in the trees. Two passive and two active detectors were used to aid in bat observations.

Small hollows were present in three of the willows on the South abutment, that may provide marginal habitat for bats, small reptiles and frogs. Most of the potential hollows were surrounded by small twigs which make the entrance quite cluttered for bats reducing the suitability. No hollows were observed in the patch of trees on the north abutment, however two dead trees have large sheets of exfoliating bark, which provides temporary roost sites for some bat species as well as small reptiles (See figure 1, 2 and 3).

True works perimeter does not impact within private property

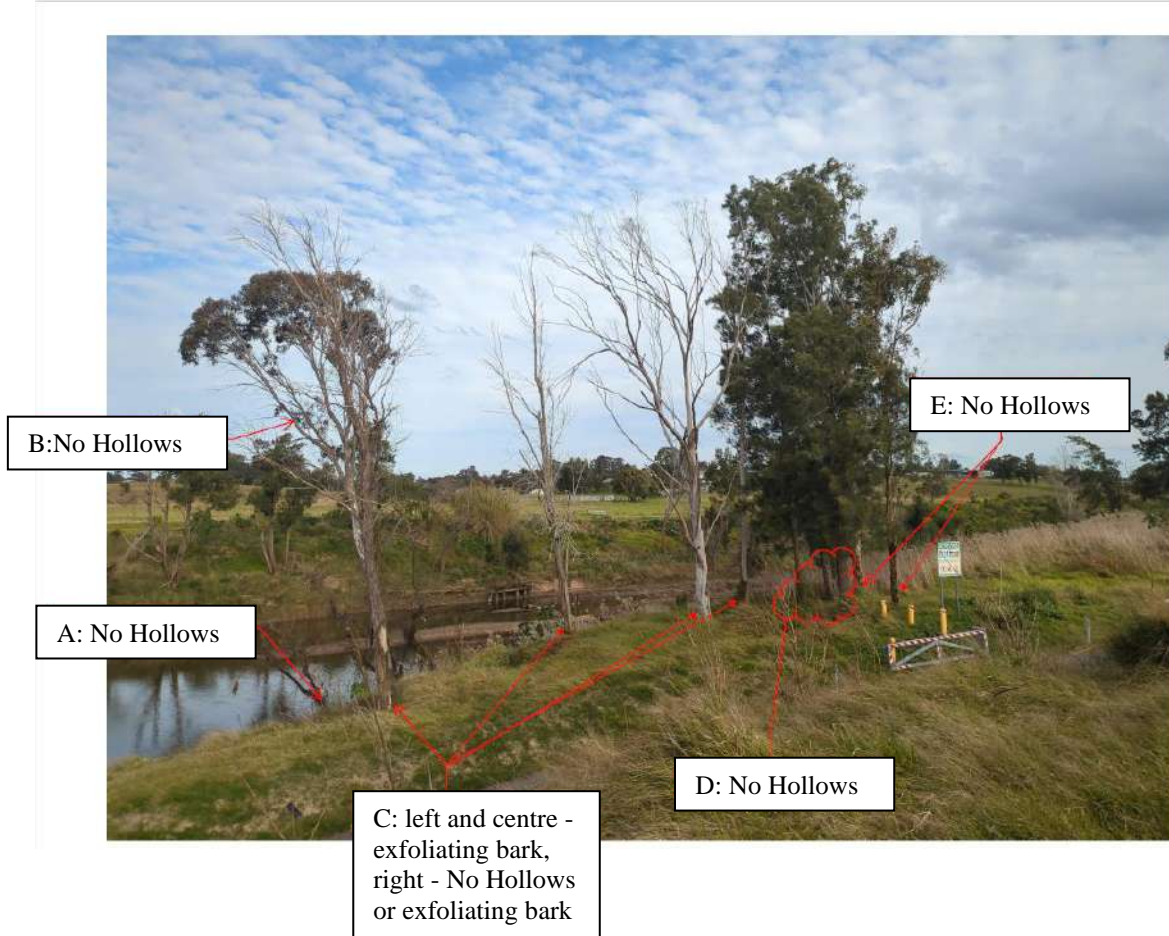
North Abutment
a. 1 Willow? At water line
b. 1 Gum? (450mm at base)
c. 4 dead stag trees
d. 4 Casuarina (150mm to 300mm)
e. 2 Gum? (200mm to 400mm at base)

South Abutment
a. 3-4 Willow (2 Large, 2 Small)

South Abutment Willows

Small hollows into the trunk

Figure 3. North abutment trees



The weather conditions were suitable for bat activity (Table 1), however as the survey was conducted during winter, present bats may enter multiple day torpor bouts and may go undetected.

Table 1. Weather conditions during the survey

Date	Time	Wind	Rain	Cloud cover	Minimum Temperature during the survey
11/8/24	1720-1830	None	None	50% light cloud	14°C
16/8/24	1730-1830	None	None	40% cloud	15.6 °C

No bats were observed exiting the trees on dusk, although calls were recorded as early as 5.47pm, indicating that some bats are roosting in the vicinity. A common species, Gould's Wattled Bat *Chalinolobus gouldii* was the most active species with up to 59 passes recorded during the one hour recording on the South abutment and 23 passes on the North abutment.

A few later passes of Eastern Freetail Bat *Ozimops ridei* and Large Bent-wing Bat *Miniopterus orianae oceanensis* were also recorded, most likely from commuting individuals.

One pass of another species was also recorded at 6.17pm on each night, but could not be identified to species, due to the overlap of call characteristics between Long-eared Bats *Nyctophilus sp*, Large-footed Myotis *Myotis macropus* or possibly steep pulses from Eastern Broad-nosed Bat *Scotorepens orion*. The Freetail Bat, Long-eared Bats and Broad-nosed Bat mainly roost in tree hollows. Bentwing Bats are cave roosting species, that also roost in artificial structures such as culverts and bridges. The Myotis are known to use both tree hollows and artificial structures that are close to water. It is highly likely that Myotis is present along the river and may roost in the current timber bridge, but unlikely to use the habitat available in the trees to be removed.

Of these species two are listed as threatened, the Large Bentwing Bat and Large-footed Myotis in the Biodiversity Conservation Act 2016.

Examples of the definite identification calls recorded on the site are displayed below.

Figure 4. *Chalinolobus gouldii* Gould's Wattled Bat pass

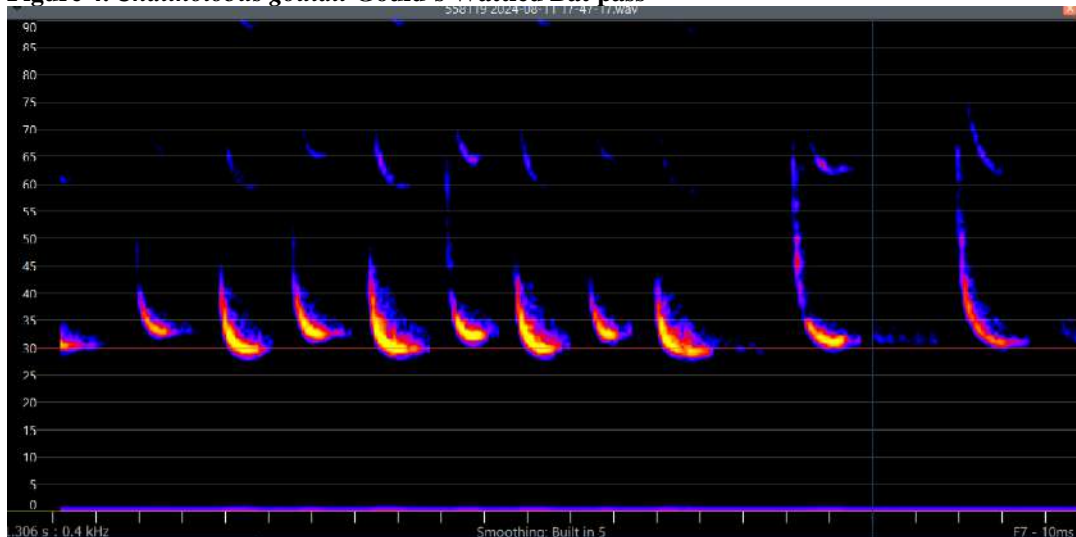


Figure 5. *Ozimops ridei* Eastern Freetail Bat pass

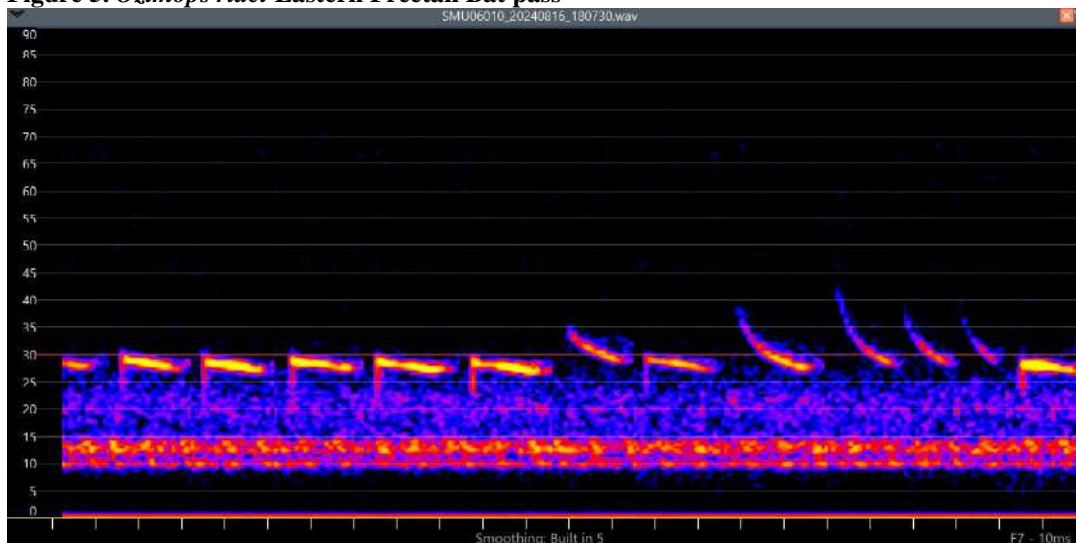
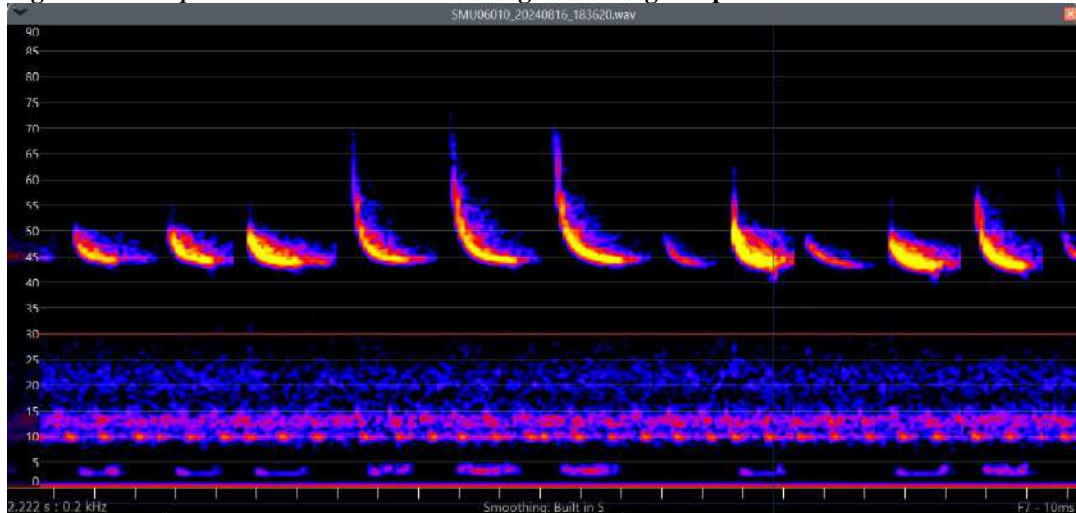


Figure 6. *Miniopterus orianae oceanensis* Large Bentwing Bat pass



- Calls were analysed using Anabat Insight.
- Example calls presented below are displayed in this report at F7 in either Zero crossing or full spectrum format.
- Analysis was completed on the 18 August 2024.
- Activity levels are in relation to overall activity at the site.
- The following resources were consulted during analysis:
 - Pennay M., Law B., and Reinhold L. (2004) Bat Calls of NSW. DEC of NSW.
 - Corben C. (2009) Anabat Techniques Workshop, Titley Scientific.
 - Personal experience analysing calls and collection of reference calls in NSW
 - Anabat Insight Workshop (2019), Titley Scientific and Balance Environmental.
 - Australasian Bat Society - BatMap. <http://ausbats.org.au/batmap>. Accessed 27/07/24.

Three other threatened species were recorded whilst on site. A White-bellied Sea Eagle was observed flying along the river and landed in a tree on the north-east side of the bridge. An Eastern Osprey was observed catching a fish and perching on the old pylons from a previous bridge to the south-west of the current bridge. Grey-headed Flying-fox were heard feeding in the large fig near the intersection of Dickenson Rd and Melville Ford Rd on the north-western side.

Mitigation measures

The trees to be removed for the bridge upgrade provide some potential, although marginal habitat for local fauna and as a precaution the following steps should be taken.

- 1) An ecologist should be present during the removal of the trees.
- 2) All trees should be inspected for nesting birds prior to clearing. The ecologist should oversee the safe relocation of the nests or if relocation is unsuccessful take any chicks to a wildlife carer (Hunter Wildlife Rescue 0418 628 483).
- 3) The willows on the South abutment, should be gently lowered and the hollows inspected. If the hollows are unable to be fully inspected, those sections of the trees should be gently placed outside the construction zone to allow any resident fauna to safely move to another location.
- 4) The two trees with the exfoliating bark should be gently shaken with the machinery, then a pause of 3 minutes, repeat the shake and pause, prior to felling. This will hopefully allow any bats roosting behind the bark to arouse from torpor and exit prior

to the tree being felled. After felling the ecologist should check under the bark for any small reptiles or bats.

- 5) Any injured wildlife should be taken to a wildlife carer (e.g. Hunter Wildlife Rescue 0418 628 483)

Amy Rowles



CORYMBIA ECOLOGY

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Amy is a Practising Member of the Ecological Consultants Association of NSW