



Appendix D

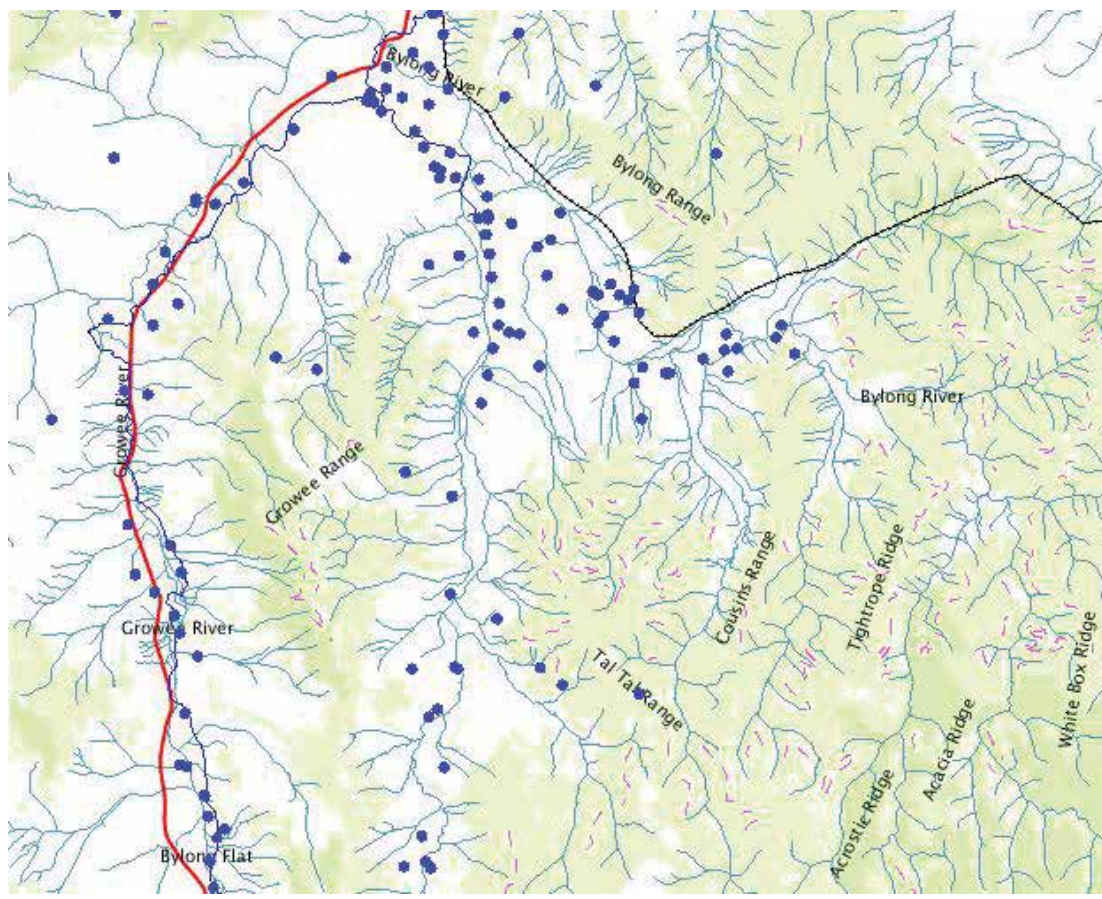
Groundwater Bore Search Information

Print Map

<http://www.nratlas.nsw.gov.au/wmc/custom/widgets/printlink/popup/pr...>

Map from the NSW Natural Resource Atlas

Map created with NSW Natural Resource Atlas - <http://www.nratlas.nsw.gov.au>
Thursday, June 12, 2014



0

15 Km

Legend

Symbol

Layer

Custodian



Cities and large towns **renderImage: Cannot build image from features**



Populated places **renderImage: Cannot build image from features**



Towns

Symbol

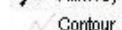
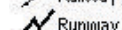
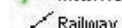
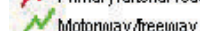
Groundwater Bores

Symbol

Catchment Management Authority boundaries

Symbol

Major rivers



Topographic base map

Print Map

<http://www.nratlas.nsw.gov.au/wmc/custom/widgets/printlink/popup/pr...>

Copyright © 2014 New South Wales Government. Map has been compiled from various sources and may contain errors or omissions. No representation is made as to its accuracy or suitability.

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW201007>

Groundwater Works Summary

For information on the meaning of fields please see [Glossary](#)
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Work Requested -- GW201007

Works Details [\(top\)](#)

GROUNDWATER NUMBER	GW201007
LIC-NUM	20BL168981
AUTHORISED-PURPOSES	DOMESTIC IRRIGATION STOCK
INTENDED-PURPOSES	DOMESTIC IRRIGATION STOCK
WORK-TYPE	Well
WORK-STATUS	Supply Obtained
CONSTRUCTION-METHOD	(Unknown)
OWNER-TYPE	Private
COMMENCE-DATE	
COMPLETION-DATE	1976-07-21
FINAL-DEPTH (metres)	9.00
DRILLED-DEPTH (metres)	9.00
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	HELVETIA
GWMA	-
GW-ZONE	-
STANDING-WATER-LEVEL	1.00
SALINITY	
YIELD	0.03

Site Details [\(top\)](#)

REGION	20 - HUNTER
RIVER-BASIN	
AREA-DISTRICT	
CMA-MAP	
GRID-ZONE	
SCALE	
ELEVATION	
ELEVATION-SOURCE	
NORTHING	6404703.00
EASTING	232601.00
LATITUDE	32 27' 46"
LONGITUDE	150 9' 19"
GS-MAP	
AMG-ZONE	56
COORD-SOURCE	
REMARK	

Form-A [\(top\)](#)

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW201007>

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP 67//755420

Licensed ([top](#))

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP 67 755420

Construction ([top](#))

Negative depths indicate Above Ground Level;H-Hole;P-Pipe;OD-Outside Diameter;
ID-Inside Diameter;C-Cemented;SL-Slot Length;A-Aperture;GS-Grain Size;Q-Quantity

HOLE-NO	PIPE-NO	COMPONENT-CODE	COMPONENT-TYPE	DEPTH-FROM (metres)	DEPTH-TO (metres)	OD (mm)	ID (mm)	INTERVAL	DETAIL
1	1	Casing	Concrete	0.00	9.00				Seated on Bottom; Open End

Water Bearing Zones ([top](#))

FROM-DEPTH (metres)	TO-DEPTH (metres)	THICKNESS (metres)	ROCK-CAT-DESC	S-W-L	D-D-L	YIELD	TEST-HOLE-DEPTH (metres)	DURATION	SALINITY
1.00	4.00	3.00		1.00	2.30	0.03			

Drillers Log ([top](#))

FROM	TO	THICKNESS	DESC	GEO-MATERIAL	COMMENT
0.00	1.00	1.00	TOPSOIL		
1.00	4.00	3.00	SAND AND GRAVEL		
4.00	5.00	1.00	CLAY		
5.00	9.00	4.00	SAND AND GRAVEL		

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Groundwater Works Summary

For information on the meaning of fields please see [Glossary](#)
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Work Requested -- GW042935

Works Details [\(top\)](#)

GROUNDWATER NUMBER	GW042935
LIC-NUM	20BL139803
AUTHORISED-PURPOSES	DOMESTIC STOCK
INTENDED-PURPOSES	IRRIGATION
WORK-TYPE	Well
WORK-STATUS	(Unknown)
CONSTRUCTION-METHOD	Rotary
OWNER-TYPE	Private
COMMENCE-DATE	
COMPLETION-DATE	1976-07-01
FINAL-DEPTH (metres)	9.00
DRILLED-DEPTH (metres)	9.00
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	N/A
GWMA	-
GW-ZONE	-
STANDING-WATER-LEVEL	
SALINITY	
YIELD	

Site Details [\(top\)](#)

REGION	20 - HUNTER
RIVER-BASIN	210 - HUNTER RIVER
AREA-DISTRICT	
CMA-MAP	8933-3S
GRID-ZONE	56/1
SCALE	1:25,000
ELEVATION	
ELEVATION-SOURCE	(Unknown)
NORTHING	6405503.00
EASTING	232987.00
LATITUDE	32 27' 20"
LONGITUDE	150 9' 34"
GS-MAP	0052A2
AMG-ZONE	56
COORD-SOURCE	GD.,ACC.MAP
REMARK	

Form-A [\(top\)](#)

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW042935>

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP 67

Licensed [\(top\)](#)

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP 37 755420

Construction [\(top\)](#)

Negative depths indicate Above Ground Level;H-Hole;P-Pipe;OD-Outside Diameter;
ID-Inside Diameter;C-Cemented;SL-Slot Length;A-Aperture;GS-Grain Size;Q-Quantity

HOLE-NO	PIPE-NO	COMPONENT-CODE	COMPONENT-TYPE	DEPTH-FROM (metres)	DEPTH-TO (metres)	OD (mm)	ID (mm)	INTERVAL	DETAIL
1	1	Casing	Concrete Cylinder	0.00	9.00	1219			Seated on Bottom

Water Bearing Zones [\(top\)](#)

FROM-DEPTH (metres)	TO-DEPTH (metres)	THICKNESS (metres)	ROCK-CAT-DESC	S-W-L	D-D-L	YIELD	TEST-HOLE-DEPTH (metres)	DURATION	SALINITY
1.00	4.00	3.00	Unconsolidated						(Unknown)
5.00	9.00	4.00	Unconsolidated						(Unknown)

Drillers Log [\(top\)](#)

FROM	TO	THICKNESS	DESC	GEO-MATERIAL	COMMENT
0.00	1.00	1.00	Topsoil		
1.00	4.00	3.00	Sand Gravel	Water Supply	
4.00	5.00	1.00	Clay		
5.00	9.00	4.00	Sand Gravel	Water Supply	

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Groundwater Works Summary

For information on the meaning of fields please see [Glossary](#)
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Work Requested -- GW271003

Works Details [\(top\)](#)

GROUNDWATER NUMBER GW271003
LIC-NUM
AUTHORISED-PURPOSES
INTENDED-PURPOSES MONITORING BORE
WORK-TYPE Bore
WORK-STATUS Instrumented Bore - LT500 (SWL)
CONSTRUCTION-METHOD Rotary Mud
OWNER-TYPE NSW Office of Water
COMMENCE-DATE 2006-01-08
COMPLETION-DATE 2006-01-08
FINAL-DEPTH (metres) 18.00
DRILLED-DEPTH (metres) 18.00
CONTRACTOR-NAME
DRILLER-NAME
PROPERTY
GWMA
GW-ZONE
STANDING-WATER-LEVEL 4.00
SALINITY 252.00
YIELD 1.10

Site Details [\(top\)](#)

REGION 20 - HUNTER
RIVER-BASIN 210 - HUNTER RIVER
AREA-DISTRICT
CMA-MAP 8933-3S
GRID-ZONE 56/1
SCALE 1:25,000
ELEVATION
ELEVATION-SOURCE Est. Contour 4-8M.
NORTHING 6405597.00
EASTING 232592.00
LATITUDE 32 27' 17"
LONGITUDE 150 9' 19"
GS-MAP
AMG-ZONE 56
COORD-SOURCE GPS - Global Positioning System
REMARK

Form-A [\(top\)](#)

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW271003>

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP 2//1094509

Licensed [\(top\)](#)

no details

Construction [\(top\)](#)

Negative depths indicate Above Ground Level;H-Hole;P-Pipe;OD-Outside Diameter;
ID-Inside Diameter;C-Cemented;SL-Slot Length;A-Aperture;GS-Grain Size;Q-Quantity

HOLE-NO	PIPE-NO	COMPONENT-CODE	COMPONENT-TYPE	DEPTH-FROM (metres)	DEPTH-TO (metres)	OD (mm)	ID (mm)	INTERVAL	DETAIL
1		Hole	Hole	0.00	18.00	200			Rotary Mud Glued; Seated on Bottom;
1	1	Casing	PVC Class 12	0.00	18.00	100	80		Cap; Casing Shoe (Unknown); PVC Class 12; Casing - Hand Sawn Slot; SL: 100mm; A: 1mm; Glued
1	1	Opening	Screen	6.00	15.00	100	80	1	Graded; GS: 2-5mm; Q: .25m ³
1		Annulus	Crushed Aggregate	1.00	18.00	200	100	1	

Water Bearing Zones [\(top\)](#)

FROM-DEPTH (metres)	TO-DEPTH (metres)	THICKNESS (metres)	ROCK-CAT-DESC	S-W-L	D-D-L	YIELD	TEST-HOLE-DEPTH (metres)	DURATION	SALINITY
9.00	11.00	2.00	Unconsolidated	3.00		0.40	3.00	2.00	
13.00	15.00	2.00	Unconsolidated			0.70			

Drillers Log [\(top\)](#)

FROM	TO	THICKNESS	DESC	GEO-MATERIAL	COMMENT
0.00	0.10	0.10	Top Soil		
0.10	5.00	4.90	Clays		
5.00	6.00	1.00	Gravels		
6.00	9.00	3.00	Clays		
9.00	11.00	2.00	Gravels		
11.00	13.00	2.00	Clays		
13.00	15.00	2.00	Gravels		
15.00	18.00	3.00	Coal		

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Groundwater Works Summary

For information on the meaning of fields please see [Glossary](#)
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Work Requested -- GW202507

Works Details [\(top\)](#)

GROUNDWATER NUMBER	GW202507
LIC-NUM	20BL173217
AUTHORISED-PURPOSES	MONITORING BORE
INTENDED-PURPOSES	MONITORING BORE
WORK-TYPE	Bore - Nested (2)
WORK-STATUS	Equipped - bore used for obs
CONSTRUCTION-METHOD	Auger - Solid Flight
OWNER-TYPE	Mines
COMMENCE-DATE	
COMPLETION-DATE	2012-05-30
FINAL-DEPTH (metres)	9.40
DRILLED-DEPTH (metres)	10.20
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	SUNNYSIDE
GWMA	-
GW-ZONE	-
STANDING-WATER-LEVEL	1.00
SALINITY	
YIELD	

Site Details [\(top\)](#)

REGION	20 - HUNTER
RIVER-BASIN	210 - HUNTER RIVER
AREA-DISTRICT	
CMA-MAP	8933-3S
GRID-ZONE	56/1
SCALE	1:25,000
ELEVATION	
ELEVATION-SOURCE	
NORTHING	6405320.00
EASTING	232475.00
LATITUDE	32 27' 26"
LONGITUDE	150 9' 14"
GS-MAP	
AMG-ZONE	56
COORD-SOURCE	GPS - Global Positioning System
REMARK	

Form-A [\(top\)](#)

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW202507>

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP 67//755420

Licensed (top)

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP 67 755420

Construction (top)

Negative depths indicate Above Ground Level;H-Hole;P-Pipe;OD-Outside Diameter;
ID-Inside Diameter;C-Cemented;SL-Slot Length;A-Aperture;GS-Grain Size;Q-Quantity

HOLE-NO	PIPE-NO	COMPONENT-CODE	COMPONENT-TYPE	DEPTH-FROM (metres)	DEPTH-TO (metres)	OD (mm)	ID (mm)	INTERVAL	DETAIL
1		Hole	Hole	0.00	4.00	100			Auger - Solid Flight
1	1	Backfill	Sand	3.50	4.00	100			
1	1	Casing	PVC Class 18	0.00	0.50	60.5	50.5		Screwed; Seated on Bottom; End cap PVC Class 18; Mechanically Slotted; SL: 40mm; A: 6mm; Screwed
1	1	Opening	Slots - Horizontal	0.50	3.50	60.5			
1		Annulus	Bentonite	0.00	0.30	100	60.5		Graded
1		Annulus	Waterworn/Rounded	0.30	3.50	100	60.5		Graded; GS: 5-5mm
2		Hole	Hole	0.00	2.50	100			Auger - Solid Flight
2		Hole	Hole	2.50	10.20	100			Rotary Mud
2		Backfill	Sand	9.40	10.20	100			
2	2	Casing	PVC Class 18	0.00	6.40	60.5	50.5		Screwed; Seated on Bottom; End cap PVC Class 18; Mechanically Slotted; SL: 40mm; A: 6mm; Screwed
2	2	Opening	Slots - Horizontal	6.40	9.40	60.5			
2		Annulus	Concrete	0.00	0.30	100	60.5		
2		Annulus	Drill Cuttings	0.30	5.70	100	60.5		
2		Annulus	Bentonite	5.70	6.20	100	60.5		
2		Annulus	Waterworn/Rounded	6.20	9.40	100	60.5		Graded; GS: 5-5mm

Water Bearing Zones (top)

FROM-DEPTH (metres)	TO-DEPTH (metres)	THICKNESS (metres)	ROCK-CAT-DESC	S-W-L	D-D-L	YIELD	TEST-HOLE-DEPTH (metres)	DURATION	SALINITY
0.00	4.00	4.00		1.00					
0.00	9.60	9.60		1.00					

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW202507>

Drillers Log ([top](#))

FROM	TO	THICKNESS	DESC	GEO-MATERIAL	COMMENT
0.00	1.50	1.50	Clay; stiff-very stiff, dark brown, trace-some silt, trace fine-medium sand, from 1m increasing sand content		
1.50	1.80	0.30	Clayey Sand; loose, dark brown, fine-medium sand, trace-some silt, saturated		
1.80	2.10	0.30	Clay; very stiff dark brown mottled red, trace fine-medium sand		
2.10	2.50	0.40	Sandy Clay; soft, dark brown fine-medium, some silt		
2.50	2.75	0.25	Sandy Clay; very stiff brown, fine-coarse sand, trace silt		
2.75	4.30	1.55	Clay; very stiff, brown		
4.30	4.60	0.30	Sand, Silty; loose, light brown, fine-medium sand, with grey mottling, saturated		
4.60	6.00	1.40	Clay; stiff, light brown, with grey mottling		
6.00	6.50	0.50	Silty Clay; stiff-very stiff, brown with grey mottling, trace fine sand		
6.50	7.25	0.75	Clay; stiff, light brown		
7.25	8.40	1.15	Clay; very stiff-hard brown & grey, slightly gravelly (gravel subrounded up to 7mm), trace-some fine-medium sand		
8.40	9.50	1.10	Silty Clay/Clayey Silt; hard grey (& brown in parts), trace fine sand		
9.50	10.05	0.55	Sandstone; extremely low strength, extremely weathered, brown, fine-coarse grained, @ 9.75m refusal by drilling		
10.05	10.20	0.15	Claystone; extremely low strength, extremely weathered, grey claystone		

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Groundwater Works Summary

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Work Requested -- GW044346

Works Details [\(top\)](#)

GROUNDWATER NUMBER	GW044346
LIC-NUM	20WA206580
AUTHORISED-PURPOSES	DOMESTIC STOCK
INTENDED-PURPOSES	NOT KNOWN
WORK-TYPE	Well
WORK-STATUS	Supply Obtained
CONSTRUCTION-METHOD	(Unknown)
OWNER-TYPE	Private
COMMENCE-DATE	
COMPLETION-DATE	
FINAL-DEPTH (metres)	3.70
DRILLED-DEPTH (metres)	0.00
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	TARWYN PARK
GWMA	-
GW-ZONE	-
STANDING-WATER-LEVEL	
SALINITY	
YIELD	

Site Details [\(top\)](#)

REGION	20 - HUNTER
RIVER-BASIN	210 - HUNTER RIVER
AREA-DISTRICT	
CMA-MAP	8933-3S
GRID-ZONE	56/1
SCALE	1:25,000
ELEVATION	
ELEVATION-SOURCE	(Unknown)
NORTHING	6406036.00
EASTING	232163.00
LATITUDE	32 27' 2"
LONGITUDE	150 9' 3"

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW044346>

GS-MAP 0052A2
AMG-ZONE 56
COORD-SOURCE GD.,ACC.MAP
REMARK

Form-A [\(top\)](#)

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP 1

Licensed [\(top\)](#)

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP PT1 68996

Water Bearing Zones [\(top\)](#)

no details

Drillers Log [\(top\)](#)

no details

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Work Requested -- GW044351

Works Details [\(top\)](#)

GROUNDWATER NUMBER	GW044351
LIC-NUM	20BL103416
AUTHORISED-PURPOSES	DOMESTIC STOCK
INTENDED-PURPOSES	NOT KNOWN
WORK-TYPE	Well
WORK-STATUS	Supply Obtained
CONSTRUCTION-METHOD	(Unknown)
OWNER-TYPE	Private
COMMENCE-DATE	
COMPLETION-DATE	
FINAL-DEPTH (metres)	3.70
DRILLED-DEPTH (metres)	0.00
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	TARWYN PARK
GWMA	-
GW-ZONE	-
STANDING-WATER-LEVEL	
SALINITY	
YIELD	

Site Details [\(top\)](#)

REGION	20 - HUNTER
RIVER-BASIN	210 - HUNTER RIVER
AREA-DISTRICT	
CMA-MAP	8933-3S
GRID-ZONE	56/1
SCALE	1:25,000
ELEVATION	
ELEVATION-SOURCE	(Unknown)
NORTHING	6406539.00
EASTING	232515.00
LATITUDE	32 26' 46"
LONGITUDE	150 9' 17"

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW044351>

GS-MAP 0052A2
AMG-ZONE 56
COORD-SOURCE GD.,ACC.MAP
REMARK

Form-A [\(top\)](#)

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP 1

Licensed [\(top\)](#)

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP PT1 68996

Water Bearing Zones [\(top\)](#)

no details

Drillers Log [\(top\)](#)

no details

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Groundwater Works Summary

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Work Requested -- GW044350

Works Details [\(top\)](#)

GROUNDWATER NUMBER	GW044350
LIC-NUM	20WA206583
AUTHORISED-PURPOSES	DOMESTIC STOCK
INTENDED-PURPOSES	NOT KNOWN
WORK-TYPE	Well
WORK-STATUS	Supply Obtained
CONSTRUCTION-METHOD	(Unknown)
OWNER-TYPE	Private
COMMENCE-DATE	
COMPLETION-DATE	
FINAL-DEPTH (metres)	2.40
DRILLED-DEPTH (metres)	0.00
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	TARWYN PARK
GWMA	-
GW-ZONE	-
STANDING-WATER-LEVEL	
SALINITY	
YIELD	

Site Details [\(top\)](#)

REGION	20 - HUNTER
RIVER-BASIN	210 - HUNTER RIVER
AREA-DISTRICT	
CMA-MAP	8933-3S
GRID-ZONE	56/1
SCALE	1:25,000
ELEVATION	
ELEVATION-SOURCE	(Unknown)
NORTHING	6406750.00
EASTING	232353.00
LATITUDE	32 26' 39"
LONGITUDE	150 9' 11"

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW044350>

GS-MAP 0052A2
AMG-ZONE 56
COORD-SOURCE GD.,ACC.MAP
REMARK

Form-A [\(top\)](#)

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP 1

Licensed [\(top\)](#)

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP PT1 68996

Water Bearing Zones [\(top\)](#)

no details

Drillers Log [\(top\)](#)

no details

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Groundwater Works Summary

For information on the meaning of fields please see [Glossary](#)

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Work Requested -- GW044349

Works Details [\(top\)](#)

GROUNDWATER NUMBER	GW044349
LIC-NUM	20BL103414
AUTHORISED-PURPOSES	DOMESTIC STOCK
INTENDED-PURPOSES	NOT KNOWN
WORK-TYPE	Well
WORK-STATUS	Supply Obtained
CONSTRUCTION-METHOD	(Unknown)
OWNER-TYPE	Private
COMMENCE-DATE	
COMPLETION-DATE	
FINAL-DEPTH (metres)	3.70
DRILLED-DEPTH (metres)	0.00
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	TARWYN PARK
GWMA	-
GW-ZONE	-
STANDING-WATER-LEVEL	
SALINITY	
YIELD	

Site Details [\(top\)](#)

REGION	20 - HUNTER
RIVER-BASIN	210 - HUNTER RIVER
AREA-DISTRICT	
CMA-MAP	8933-3S
GRID-ZONE	56/1
SCALE	1:25,000
ELEVATION	
ELEVATION-SOURCE	(Unknown)
NORTHING	6406937.00
EASTING	232426.00
LATITUDE	32 26' 33"
LONGITUDE	150 9' 14"

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW044349>

GS-MAP 0052A2
AMG-ZONE 56
COORD-SOURCE GD.,ACC.MAP
REMARK

Form-A [\(top\)](#)

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP 1

Licensed [\(top\)](#)

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP PT1 68996

Water Bearing Zones [\(top\)](#)

no details

Drillers Log [\(top\)](#)

no details

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Groundwater Works Summary

For information on the meaning of fields please see [Glossary](#)
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Work Requested -- GW078246

Works Details [\(top\)](#)

GROUNDWATER NUMBER GW078246
LIC-NUM 20WA206601
AUTHORISED-PURPOSES DOMESTIC STOCK
INTENDED-PURPOSES DOMESTIC STOCK
WORK-TYPE Bore
WORK-STATUS (Unknown)
CONSTRUCTION-METHOD
OWNER-TYPE
COMMENCE-DATE
COMPLETION-DATE
FINAL-DEPTH (metres) 10.00
DRILLED-DEPTH (metres)
CONTRACTOR-NAME
DRILLER-NAME
PROPERTY TARWYN PARK
GWMA -
GW-ZONE -
STANDING-WATER-LEVEL
SALINITY
YIELD

Site Details [\(top\)](#)

REGION 20 - HUNTER
RIVER-BASIN
AREA-DISTRICT
CMA-MAP
GRID-ZONE
SCALE
ELEVATION
ELEVATION-SOURCE
NORTHING 6406839.00
EASTING 232220.00
LATITUDE 32 26' 36"
LONGITUDE 150 9' 6"

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW078246>

GS-MAP

AMG-ZONE 56

COORD-SOURCE

REMARK

Form-A [\(top\)](#)

COUNTY PHILLIP

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Licensed [\(top\)](#)

COUNTY PHILLIP

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PORTION-LOT-DP PT1 68996

Water Bearing Zones [\(top\)](#)

no details

Drillers Log [\(top\)](#)

no details

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Groundwater Works Summary

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Work Requested -- GW044348

Works Details [\(top\)](#)

GROUNDWATER NUMBER	GW044348
LIC-NUM	20WA206582
AUTHORISED-PURPOSES	DOMESTIC STOCK
INTENDED-PURPOSES	NOT KNOWN
WORK-TYPE	Well
WORK-STATUS	Supply Obtained
CONSTRUCTION-METHOD	(Unknown)
OWNER-TYPE	Private
COMMENCE-DATE	
COMPLETION-DATE	
FINAL-DEPTH (metres)	3.70
DRILLED-DEPTH (metres)	0.00
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	TARWYN PARK
GWMA	-
GW-ZONE	-
STANDING-WATER-LEVEL	
SALINITY	
YIELD	

Site Details [\(top\)](#)

REGION	20 - HUNTER
RIVER-BASIN	210 - HUNTER RIVER
AREA-DISTRICT	
CMA-MAP	8933-3S
GRID-ZONE	56/1
SCALE	1:25,000
ELEVATION	
ELEVATION-SOURCE	(Unknown)
NORTHING	6407021.00
EASTING	232084.00
LATITUDE	32 26' 30"
LONGITUDE	150 9' 1"

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW044348>

GS-MAP 0052A2
AMG-ZONE 56
COORD-SOURCE GD.,ACC.MAP
REMARK

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Licensed [\(top\)](#)

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP PT1 68996

Water Bearing Zones [\(top\)](#)

no details

Drillers Log [\(top\)](#)

no details

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Groundwater Works Summary

For information on the meaning of fields please see [Glossary](#)
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Work Requested -- GW044346

Works Details [\(top\)](#)

GROUNDWATER NUMBER	GW044346
LIC-NUM	20WA206580
AUTHORISED-PURPOSES	DOMESTIC STOCK
INTENDED-PURPOSES	NOT KNOWN
WORK-TYPE	Well
WORK-STATUS	Supply Obtained
CONSTRUCTION-METHOD	(Unknown)
OWNER-TYPE	Private
COMMENCE-DATE	
COMPLETION-DATE	
FINAL-DEPTH (metres)	3.70
DRILLED-DEPTH (metres)	0.00
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	TARWYN PARK
GWMA	-
GW-ZONE	-
STANDING-WATER-LEVEL	
SALINITY	
YIELD	

Site Details [\(top\)](#)

REGION	20 - HUNTER
RIVER-BASIN	210 - HUNTER RIVER
AREA-DISTRICT	
CMA-MAP	8933-3S
GRID-ZONE	56/1
SCALE	1:25,000
ELEVATION	
ELEVATION-SOURCE	(Unknown)
NORTHING	6406036.00
EASTING	232163.00
LATITUDE	32 27' 2"
LONGITUDE	150 9' 3"

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW044346>

GS-MAP 0052A2
AMG-ZONE 56
COORD-SOURCE GD.,ACC.MAP
REMARK

Form-A [\(top\)](#)

COUNTY PHILLIP
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Licensed [\(top\)](#)

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP PT1 68996

Water Bearing Zones [\(top\)](#)

no details

Drillers Log [\(top\)](#)

no details

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Groundwater Works Summary

For information on the meaning of fields please see [Glossary](#)
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Work Requested -- GW044345

Works Details [\(top\)](#)

GROUNDWATER NUMBER	GW044345
LIC-NUM	20WA206579
AUTHORISED-PURPOSES	DOMESTIC STOCK
INTENDED-PURPOSES	NOT KNOWN
WORK-TYPE	Well
WORK-STATUS	Supply Obtained
CONSTRUCTION-METHOD	(Unknown)
OWNER-TYPE	Private
COMMENCE-DATE	
COMPLETION-DATE	
FINAL-DEPTH (metres)	4.30
DRILLED-DEPTH (metres)	0.00
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	TARWYN PARK
GWMA	-
GW-ZONE	-
STANDING-WATER-LEVEL	
SALINITY	
YIELD	

Site Details [\(top\)](#)

REGION	20 - HUNTER
RIVER-BASIN	210 - HUNTER RIVER
AREA-DISTRICT	
CMA-MAP	8933-3S
GRID-ZONE	56/1
SCALE	1:25,000
ELEVATION	
ELEVATION-SOURCE	(Unknown)
NORTHING	6406338.00
EASTING	231919.00
LATITUDE	32 26' 52"
LONGITUDE	150 8' 54"

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW044345>

GS-MAP 0052A2
AMG-ZONE 56
COORD-SOURCE GD.,ACC.MAP
REMARK

Form-A [\(top\)](#)

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Licensed [\(top\)](#)

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP PT1 68996

Water Bearing Zones [\(top\)](#)

no details

Drillers Log [\(top\)](#)

no details

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Groundwater Works Summary

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Work Requested -- GW078247

Works Details [\(top\)](#)

GROUNDWATER NUMBER GW078247
LIC-NUM 20WA206602
AUTHORISED-PURPOSES DOMESTIC STOCK
INTENDED-PURPOSES DOMESTIC STOCK
WORK-TYPE Bore
WORK-STATUS (Unknown)
CONSTRUCTION-METHOD
OWNER-TYPE
COMMENCE-DATE
COMPLETION-DATE
FINAL-DEPTH (metres) 10.00
DRILLED-DEPTH (metres)
CONTRACTOR-NAME
DRILLER-NAME
PROPERTY TARWYN PARK
GWMA -
GW-ZONE -
STANDING-WATER-LEVEL
SALINITY
YIELD

Site Details [\(top\)](#)

REGION 20 - HUNTER
RIVER-BASIN
AREA-DISTRICT
CMA-MAP
GRID-ZONE
SCALE
ELEVATION
ELEVATION-SOURCE
NORTHING 6406463.00
EASTING 231994.00
LATITUDE 32 26' 48"
LONGITUDE 150 8' 57"

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW078247>

GS-MAP

AMG-ZONE 56

COORD-SOURCE

REMARK

Form-A [\(top\)](#)

COUNTY PHILLIP

PARISH BYLONG

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Licensed [\(top\)](#)

COUNTY PHILLIP

PARISH BYLONG

PORTION-LOT-DP PT1 68996

Water Bearing Zones [\(top\)](#)

no details

Drillers Log [\(top\)](#)

no details

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Groundwater Works Summary

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Work Requested -- GW044347

Works Details [\(top\)](#)

GROUNDWATER NUMBER	GW044347
LIC-NUM	20WA206581
AUTHORISED-PURPOSES	DOMESTIC STOCK
INTENDED-PURPOSES	NOT KNOWN
WORK-TYPE	Well
WORK-STATUS	Supply Obtained
CONSTRUCTION-METHOD	(Unknown)
OWNER-TYPE	Private
COMMENCE-DATE	
COMPLETION-DATE	
FINAL-DEPTH (metres)	4.90
DRILLED-DEPTH (metres)	0.00
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	TARWYN PARK
GWMA	-
GW-ZONE	-
STANDING-WATER-LEVEL	
SALINITY	
YIELD	

Site Details [\(top\)](#)

REGION	20 - HUNTER
RIVER-BASIN	210 - HUNTER RIVER
AREA-DISTRICT	
CMA-MAP	8933-3S
GRID-ZONE	56/1
SCALE	1:25,000
ELEVATION	
ELEVATION-SOURCE	(Unknown)
NORTHING	6406831.00
EASTING	231906.00
LATITUDE	32 26' 36"
LONGITUDE	150 8' 54"

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW044347>

GS-MAP 0052A2
AMG-ZONE 56
COORD-SOURCE GD.,ACC.MAP
REMARK

Form-A [\(top\)](#)

COUNTY PHILLIP
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PORTION-LOT-DP 1

Licensed [\(top\)](#)

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP PT1 68996

Water Bearing Zones [\(top\)](#)

no details

Drillers Log [\(top\)](#)

no details

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Groundwater Works Summary

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Work Requested -- GW078245

Works Details [\(top\)](#)

GROUNDWATER NUMBER GW078245
LIC-NUM 20WA206600
AUTHORISED-PURPOSES DOMESTIC STOCK
INTENDED-PURPOSES DOMESTIC STOCK
WORK-TYPE Bore
WORK-STATUS (Unknown)
CONSTRUCTION-METHOD
OWNER-TYPE
COMMENCE-DATE
COMPLETION-DATE
FINAL-DEPTH (metres) 10.00
DRILLED-DEPTH (metres)
CONTRACTOR-NAME
DRILLER-NAME
PROPERTY TARWYN PARK
GWMA -
GW-ZONE -
STANDING-WATER-LEVEL
SALINITY
YIELD

Site Details [\(top\)](#)

REGION 20 - HUNTER
RIVER-BASIN
AREA-DISTRICT
CMA-MAP
GRID-ZONE
SCALE
ELEVATION
ELEVATION-SOURCE
NORTHING 6406890.00
EASTING 231826.00
LATITUDE 32 26' 34"
LONGITUDE 150 8' 51"

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW078245>

GS-MAP

AMG-ZONE 56

COORD-SOURCE

REMARK

Form-A [\(top\)](#)

COUNTY PHILLIP

PARISH BYLONG

PORTION-LOT-DP 1

Licensed [\(top\)](#)

COUNTY PHILLIP

PARISH BYLONG

PORTION-LOT-DP PT1 68996

Water Bearing Zones [\(top\)](#)

no details

Drillers Log [\(top\)](#)

no details

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Groundwater Works Summary

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Work Requested -- GW044352

Works Details [\(top\)](#)

GROUNDWATER NUMBER	GW044352
LIC-NUM	20BL103417
AUTHORISED-PURPOSES	DOMESTIC STOCK
INTENDED-PURPOSES	NOT KNOWN
WORK-TYPE	Bore
WORK-STATUS	Supply Obtained
CONSTRUCTION-METHOD	Cable Tool
OWNER-TYPE	Private
COMMENCE-DATE	
COMPLETION-DATE	
FINAL-DEPTH (metres)	39.60
DRILLED-DEPTH (metres)	0.00
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	TARWYN PARK
GWMA	-
GW-ZONE	-
STANDING-WATER-LEVEL	
SALINITY	
YIELD	

Site Details [\(top\)](#)

REGION	20 - HUNTER
RIVER-BASIN	210 - HUNTER RIVER
AREA-DISTRICT	
CMA-MAP	8933-3S
GRID-ZONE	56/1
SCALE	1:25,000
ELEVATION	
ELEVATION-SOURCE	(Unknown)
NORTHING	6406570.00
EASTING	231390.00
LATITUDE	32 26' 44"
LONGITUDE	150 8' 34"

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW044352>

GS-MAP 0052A2
AMG-ZONE 56
COORD-SOURCE GD.,ACC.MAP
REMARK

Form-A [\(top\)](#)

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP 1

Licensed [\(top\)](#)

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP PT1 68996

Water Bearing Zones [\(top\)](#)

no details

Drillers Log [\(top\)](#)

no details

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Groundwater Works Summary

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Work Requested -- GW030543

Works Details [\(top\)](#)

GROUNDWATER NUMBER	GW030543
LIC-NUM	20BL025152
AUTHORISED-PURPOSES	WASTE DISPOSAL
INTENDED-PURPOSES	DOMESTIC
WORK-TYPE	Bore open thru rock
WORK-STATUS	(Unknown)
CONSTRUCTION-METHOD	Rotary
OWNER-TYPE	Other Govt
COMMENCE-DATE	
COMPLETION-DATE	1970-09-01
FINAL-DEPTH (metres)	61.00
DRILLED-DEPTH (metres)	61.00
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	N/A
GWMA	-
GW-ZONE	-
STANDING-WATER-LEVEL	
SALINITY	
YIELD	

Site Details [\(top\)](#)

REGION	20 - HUNTER
RIVER-BASIN	210 - HUNTER RIVER
AREA-DISTRICT	
CMA-MAP	8933-3S
GRID-ZONE	56/1
SCALE	1:25,000
ELEVATION	
ELEVATION-SOURCE	(Unknown)
NORTHING	6405575.00
EASTING	231077.00
LATITUDE	32 27' 16"
LONGITUDE	150 8' 21"
GS-MAP	0052A2
AMG-ZONE	56
COORD-SOURCE	GD.,ACC.MAP
REMARK	

Form-A [\(top\)](#)

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW030543>

COUNTY PHILLIP
PARISH LEE
PORTION-LOT-DP 79

Licensed [\(top\)](#)

COUNTY PHILLIP
PARISH LEE
PORTION-LOT-DP 79

Construction [\(top\)](#)

Negative depths indicate Above Ground Level;H-Hole;P-Pipe;OD-Outside Diameter;
ID-Inside Diameter;C-Cemented;SL-Slot Length;A-Aperture;GS-Grain Size;Q-Quantity

HOLE-NO	PIPE-NO	COMPONENT-CODE	COMPONENT-TYPE	DEPTH-FROM (metres)	DEPTH-TO (metres)	OD (mm)	ID (mm)	INTERVAL	DETAIL
1	1	Casing	Threaded Steel	-0.80	16.70	152			(Unknown)

Water Bearing Zones [\(top\)](#)

FROM-DEPTH (metres)	TO-DEPTH (metres)	THICKNESS (metres)	ROCK-CAT-DESC	S-W-L	D-D-L	YIELD	TEST-HOLE-DEPTH (metres)	DURATION	SALINITY
24.70	25.30	0.60	Consolidated	15.80		0.69			(Unknown)

Drillers Log [\(top\)](#)

FROM	TO	THICKNESS	DESC	GEO-MATERIAL	COMMENT
0.00	13.72	13.72	Clay		
13.72	18.29	4.57	Sandstone		
18.29	21.34	3.05	Shale		
21.34	35.05	13.71	Sandstone	Water Supply	
35.05	38.10	3.05	Shale		
38.10	44.20	6.10	Sandstone		
44.20	60.96	16.76	Shale		

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Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW202812>

Groundwater Works Summary

For information on the meaning of fields please see [Glossary](#)
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Work Requested -- GW202812

Works Details [\(top\)](#)

GROUNDWATER NUMBER GW202812
LIC-NUM 20BL173427
AUTHORISED-PURPOSES MONITORING BORE
INTENDED-PURPOSES MONITORING BORE
WORK-TYPE Bore - Nested (2)
WORK-STATUS Equipped - bore used for obs
CONSTRUCTION-METHOD Auger - Solid Flight
OWNER-TYPE Mines
COMMENCE-DATE
COMPLETION-DATE 2013-03-01
FINAL-DEPTH (metres) 36.40
DRILLED-DEPTH (metres) 36.40
CONTRACTOR-NAME
DRILLER-NAME
PROPERTY BYLONG STATION
GWMA -
GW-ZONE -
STANDING-WATER-LEVEL
SALINITY
YIELD

Site Details [\(top\)](#)

REGION 20 - HUNTER
RIVER-BASIN 210 - HUNTER RIVER
AREA-DISTRICT
CMA-MAP 8933-3S
GRID-ZONE 56/1
SCALE 1:25,000
ELEVATION
ELEVATION-SOURCE
NORTHING 6407148.00
EASTING 231144.00
LATITUDE 32 26' 25"
LONGITUDE 150 8' 25"
GS-MAP
AMG-ZONE 56
COORD-SOURCE GPS - Global Positioning System
REMARK

Form-A [\(top\)](#)

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW202812>

COUNTY PHILLIP
PARISH LEE
PORTION-LOT-DP 2//1146893

Licensed (top)

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP 2 1146893

Construction (top)

Negative depths indicate Above Ground Level;H-Hole;P-Pipe;OD-Outside Diameter;
ID-Inside Diameter;C-Cemented;SL-Slot Length;A-Aperture;GS-Grain Size;Q-Quantity

HOLE-NO	PIPE-NO	COMPONENT-CODE	COMPONENT-TYPE	DEPTH-FROM (metres)	DEPTH-TO (metres)	OD (mm)	ID (mm)	INTERVAL	DETAIL
1		Hole	Hole	0.00	13.80	100			Rotary Mud
1	1	Casing	PVC Class 18	-0.60	7.80	60.5	50.5		Screwed; Seated on Bottom; End cap
1	1	Opening	Slots - Horizontal	7.80	13.80	60.5	50.5		PVC Class 18; Mechanically Slotted; SL: 40mm; A: 6mm; Screwed
1		Annulus	Bentonite/Grout	0.00	7.50	100	60.5		Q: .04m ³
1		Annulus	Waterworn/Rounded	7.50	13.80	100	60.5		Graded; GS: 5-5mm; Q: .01m ³
2		Hole	Hole	0.00	1.00	100			Auger - Solid Flight
2		Hole	Hole	1.00	36.40	100			Rotary - Coring
2	2	Casing	PVC Class 18	-0.50	29.40	60.5	50.5		Screwed; Seated on Bottom; End cap
2	2	Opening	Slots - Horizontal	29.40	33.90	60.5			PVC Class 18; Mechanically Slotted; SL: 40mm; A: 6mm; Screwed
2		Annulus	Bentonite/Grout	0.00	29.30	100	60.5		
2		Annulus	Waterworn/Rounded	29.30	34.00	100	60.5		Graded; GS: 5-5mm

Water Bearing Zones (top)

FROM-DEPTH (metres)	TO-DEPTH (metres)	THICKNESS (metres)	ROCK-CAT-DESC	S-W-L	D-D-L	YIELD	TEST-HOLE-DEPTH (metres)	DURATION	SALINITY
30.70	33.80	3.10							

Drillers Log (top)

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWWID=GW202812>

FROM	TO	THICKNESS	DESC	GEO-MATERIAL	COMMENT
0.00	1.00	1.00	Silt; sandy		
1.00	30.70	29.70	Sandstone/Siltstone/Coal		
30.70	33.80	3.10	Coal		
33.80	36.40	2.60	Sandstone		

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Groundwater Works Summary

For information on the meaning of fields please see [Glossary](#)
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Work Requested -- GW202506

Works Details [\(top\)](#)

GROUNDWATER NUMBER	GW202506
LIC-NUM	20BL173220
AUTHORISED-PURPOSES	MONITORING BORE
INTENDED-PURPOSES	MONITORING BORE
WORK-TYPE	Bore
WORK-STATUS	Equipped - bore used for obs
CONSTRUCTION-METHOD	Rotary Mud
OWNER-TYPE	Mines
COMMENCE-DATE	
COMPLETION-DATE	2012-07-09
FINAL-DEPTH (metres)	7.20
DRILLED-DEPTH (metres)	7.47
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	LONARE PARK
GWMA	-
GW-ZONE	-
STANDING-WATER-LEVEL	2.00
SALINITY	
YIELD	

Site Details [\(top\)](#)

REGION	20 - HUNTER
RIVER-BASIN	210 - HUNTER RIVER
AREA-DISTRICT	
CMA-MAP	8933-3S
GRID-ZONE	56/1
SCALE	1:25,000
ELEVATION	
ELEVATION-SOURCE	
NORTHING	6407766.00
EASTING	231188.00
LATITUDE	32 26' 5"
LONGITUDE	150 8' 28"
GS-MAP	
AMG-ZONE	56
COORD-SOURCE	GPS - Global Positioning System
REMARK	

Form-A [\(top\)](#)

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW202506>

COUNTY PHILLIP
PARISH LEE
PORTION-LOT-DP Adj 1//1146893

Licensed (top)

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP 1 1146893

Construction (top)

Negative depths indicate Above Ground Level;H-Hole;P-Pipe;OD-Outside Diameter;
ID-Inside Diameter;C-Cemented;SL-Slot Length;A-Aperture;GS-Grain Size;Q-Quantity

HOLE-NO	PIPE-NO	COMPONENT-CODE	COMPONENT-TYPE	DEPTH-FROM (metres)	DEPTH-TO (metres)	OD (mm)	ID (mm)	INTERVAL	DETAIL
1		Hole	Hole	0.00	2.50	100			Auger - Solid Flight
1		Hole	Hole	2.50	7.47	100			Rotary Mud
1	1	Backfill	Sand	7.20	7.47	100			
1	1	Casing	PVC Class 18	-0.60	1.20	60.5	50.5		Screwed; Seated on Bottom; End cap
1	1	Opening	Slots - Horizontal	1.20	7.20	60.5			Mechanically Slotted; SL: 40mm; A: 6mm; Screwed
1		Annulus	Bentonite	0.00	0.90	100	60.5		
1		Annulus	Waterworn/Rounded	0.90	7.20	100	60.5		Graded; GS: 5-5mm

Water Bearing Zones (top)

FROM-DEPTH (metres)	TO-DEPTH (metres)	THICKNESS (metres)	ROCK-CAT-DESC	S-W-L	D-D-L	YIELD	TEST-HOLE-DEPTH (metres)	DURATION	SALINITY
0.00	7.20	7.20		2.00					

Drillers Log (top)

FROM	TO	THICKNESS	DESC	GEO-MATERIAL	COMMENT
0.00	0.60	0.60	Sand; loose, dark brown fine-medium sand, some silt, trace clay, humid		
0.60	1.00	0.40	Clayey Sand; loose, dark brown, fine to medium sand, some silt, humid to wet		
1.00	1.50	0.50	Sandy Clay; soft, dark brown, fine-medium sand, some silt		
1.50	2.50	1.00	Sandy Clay; as above, from 1.5m sandy clay/clayey sand, from 2m saturated		
2.50	4.30	1.80	Clay; stiff, dark brown, trace-some silt, trace fine-medium sand, from 3m trace fine subrounded gravel upto 5mm		
4.30	4.43	0.13	Silty Clay; very soft, light brown, trace fine-medium sand		
4.43	5.50	1.07	Clay; very stiff, brown mottled red & light grey, slightly silty, trace-some fine-medium sand		
5.50	6.70	1.20	Sandy Clay; hard, light brown mottled red & light grey, fine-medium sand, trace-some silt		
6.70	7.40	0.70	Sandstone; extremely low strength, extremely weathered, brown, fine-coarse		
7.40	7.47	0.07	Claystone; extremely low strength, extremely weathered, brown mottled light grey		

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW202506>

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Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW078250>

Groundwater Works Summary

For information on the meaning of fields please see [Glossary](#)
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Work Requested -- GW078250

Works Details [\(top\)](#)

GROUNDWATER NUMBER GW078250
LIC-NUM 20WA206595
AUTHORISED-PURPOSES DOMESTIC STOCK
INTENDED-PURPOSES DOMESTIC STOCK
WORK-TYPE Bore
WORK-STATUS (Unknown)
CONSTRUCTION-METHOD
OWNER-TYPE
COMMENCE-DATE
COMPLETION-DATE 1985-01-01
FINAL-DEPTH (metres) 10.00
DRILLED-DEPTH (metres)
CONTRACTOR-NAME
DRILLER-NAME
PROPERTY RENFREW PARK
GWMA -
GW-ZONE -
STANDING-WATER-LEVEL 3.00
SALINITY
YIELD 2.60

Site Details [\(top\)](#)

REGION 20 - HUNTER
RIVER-BASIN
AREA-DISTRICT
CMA-MAP
GRID-ZONE
SCALE
ELEVATION
ELEVATION-SOURCE
NORTHING 6408031.00
EASTING 230603.00
LATITUDE 32 25' 56"
LONGITUDE 150 8' 6"
GS-MAP
AMG-ZONE 56
COORD-SOURCE Map Interpretation
REMARK

Form-A [\(top\)](#)

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW078250>

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP PART 2

Licensed [\(top\)](#)

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP 102 778500

Construction [\(top\)](#)

Negative depths indicate Above Ground Level;H-Hole;P-Pipe;OD-Outside Diameter;
ID-Inside Diameter;C-Cemented;SL-Slot Length;A-Aperture;GS-Grain Size;Q-Quantity

HOLE-NO	PIPE-NO	COMPONENT-CODE	COMPONENT-TYPE	DEPTH-FROM (metres)	DEPTH-TO (metres)	OD (mm)	ID (mm)	INTERVAL	DETAIL
1	1	Casing	Concrete Cylinder	0.00	10.00	1219			

Water Bearing Zones [\(top\)](#)

no details

Drillers Log [\(top\)](#)

no details

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Groundwater Works Summary

For information on the meaning of fields please see [Glossary](#)
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Work Requested -- GW034172

Works Details [\(top\)](#)

GROUNDWATER NUMBER GW034172
LIC-NUM 20WA206563
AUTHORISED-PURPOSES STOCK
INTENDED-PURPOSES STOCK
WORK-TYPE Well
WORK-STATUS (Unknown)
CONSTRUCTION-METHOD (Unknown)
OWNER-TYPE Private
COMMENCE-DATE
COMPLETION-DATE 1965-01-01
FINAL-DEPTH (metres) 9.10
DRILLED-DEPTH (metres) 9.14
CONTRACTOR-NAME
DRILLER-NAME
PROPERTY HOMELEIGH
GWMA 017 - HUNTER
GW-ZONE -
STANDING-WATER-LEVEL
SALINITY
YIELD

Site Details [\(top\)](#)

REGION 20 - HUNTER
RIVER-BASIN 210 - HUNTER RIVER
AREA-DISTRICT
CMA-MAP 8933-3S
GRID-ZONE 56/1
SCALE 1:25,000
ELEVATION
ELEVATION-SOURCE (Unknown)
NORTHING 6406122.00
EASTING 230775.00
LATITUDE 32 26' 58"
LONGITUDE 150 8' 10"
GS-MAP 0052A2
AMG-ZONE 56
COORD-SOURCE GD.,ACC.MAP
REMARK

Form-A [\(top\)](#)

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW034172>

COUNTY PHILLIP
PARISH LEE
PORTION-LOT-DP 80

Licensed ([top](#))

COUNTY PHILLIP
PARISH LEE
PORTION-LOT-DP 1 121131

Construction ([top](#))

Negative depths indicate Above Ground Level;H-Hole;P-Pipe;OD-Outside Diameter;
ID-Inside Diameter;C-Cemented;SL-Slot Length;A-Aperture;GS-Grain Size;Q-Quantity

HOLE-NO	PIPE-NO	COMPONENT-CODE	COMPONENT-TYPE	DEPTH-FROM (metres)	DEPTH-TO (metres)	OD (mm)	ID (mm)	INTERVAL	DETAIL
1	1	Casing	Concrete Cylinder	-0.60	-0.60	1219			(Unknown)

Water Bearing Zones ([top](#))

FROM-DEPTH (metres)	TO-DEPTH (metres)	THICKNESS (metres)	ROCK-CAT-DESC	S-W-L	D-D-L	YIELD	TEST-HOLE-DEPTH (metres)	DURATION	SALINITY
7.90	9.10	1.20	Unconsolidated	6.70		1.90			Good

Drillers Log ([top](#))

FROM	TO	THICKNESS	DESC	GEO-MATERIAL	COMMENT
0.00	2.44	2.44	Loam Sandy		
2.44	3.66	1.22	Soil Black		
3.66	4.88	1.22	Sand		
4.88	5.49	0.61	Clay Grey Hard		
5.49	7.92	2.43	Loam Sandy		
5.49	7.92	2.43	Clay		
7.92	8.84	0.92	Sand Drift		
8.84	9.14	0.30	Sand Coarse		

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Groundwater Works Summary

For information on the meaning of fields please see [Glossary](#)
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Work Requested -- GW201540

Works Details [\(top\)](#)

GROUNDWATER NUMBER	GW201540
LIC-NUM	20BL172961
AUTHORISED-PURPOSES	MONITORING BORE
INTENDED-PURPOSES	MONITORING BORE
WORK-TYPE	Bore
WORK-STATUS	Equipped - bore used for obs
CONSTRUCTION-METHOD	Rotary - Coring
OWNER-TYPE	Mines
COMMENCE-DATE	
COMPLETION-DATE	2011-09-26
FINAL-DEPTH (metres)	47.80
DRILLED-DEPTH (metres)	47.80
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	LONARE PARK
GWMA	-
GW-ZONE	-
STANDING-WATER-LEVEL	19.90
SALINITY	2880.00
YIELD	

Site Details [\(top\)](#)

REGION	20 - HUNTER
RIVER-BASIN	210 - HUNTER RIVER
AREA-DISTRICT	
CMA-MAP	8933-3S
GRID-ZONE	56/1
SCALE	1:25,000
ELEVATION	
ELEVATION-SOURCE	
NORTHING	6408236.00
EASTING	231315.00
LATITUDE	32 25' 50"
LONGITUDE	150 8' 33"
GS-MAP	
AMG-ZONE	56
COORD-SOURCE	GPS - Global Positioning System
REMARK	

Form-A [\(top\)](#)

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW201540>

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP 1//1146893

Licensed (top)

COUNTY PHILLIP
PARISH BYLONG
PORTION-LOT-DP 1 1146893

Construction (top)

Negative depths indicate Above Ground Level;H-Hole;P-Pipe;OD-Outside Diameter;
ID-Inside Diameter;C-Cemented;SL-Slot Length;A-Aperture;GS-Grain Size;Q-Quantity

HOLE-NO	PIPE-NO	COMPONENT-CODE	COMPONENT-TYPE	DEPTH-FROM (metres)	DEPTH-TO (metres)	OD (mm)	ID (mm)	INTERVAL	DETAIL
1		Hole	Hole	0.00	3.20	100			Rotary - Water
1		Hole	Hole	3.20	47.80	100			Rotary - Coring
1	1	Casing	PVC Class 12	0.00	40.00	60	50		Glued; Seated on Bottom; End cap PVC Class 18; Mechanically Slotted; SL: 40mm; A: 6mm; Glued
1	1	Opening	Slots - Horizontal	40.00	46.00	60			
1		Annulus	Cement Grout	0.00	36.30	100	60		
1		Annulus	Bentonite	36.30	37.80	100	60		
1		Annulus	Waterworn/Rounded	37.80	47.50	100	60		Graded; GS: 2-5mm

Water Bearing Zones (top)

FROM-DEPTH (metres)	TO-DEPTH (metres)	THICKNESS (metres)	ROCK-CAT-DESC	S-W-L	D-D-L	YIELD	TEST-HOLE-DEPTH (metres)	DURATION	SALINITY
40.00	46.00	6.00				19.90			2880.00

Drillers Log (top)

FROM	TO	THICKNESS	DESC	GEO-MATERIAL	COMMENT
0.00	3.10	3.10	Clay/Gravel, orange & grey		
3.10	28.70	25.60	Sandstone; orange brown & grey, fine to medium grained		
28.70	31.10	2.40	Mudstone/Siltstone/Shale, grey & brown		
31.10	47.80	16.70	Coal; with some carbonaceous shale/mudstone & tuff		

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Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW056114>

Groundwater Works Summary

For information on the meaning of fields please see [Glossary](#)
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Work Requested -- GW056114

Works Details [\(top\)](#)

GROUNDWATER NUMBER GW056114
LIC-NUM 20BL122153
AUTHORISED-PURPOSES STOCK
INTENDED-PURPOSES NOT KNOWN
WORK-TYPE Bore
WORK-STATUS (Unknown)
CONSTRUCTION-METHOD (Unknown)
OWNER-TYPE Private
COMMENCE-DATE
COMPLETION-DATE 1968-01-01
FINAL-DEPTH (metres) 12.20
DRILLED-DEPTH (metres) 0.00
CONTRACTOR-NAME
DRILLER-NAME
PROPERTY GLENVIEW
GWMA -
GW-ZONE -
STANDING-WATER-LEVEL
SALINITY
YIELD

Site Details [\(top\)](#)

REGION 20 - HUNTER
RIVER-BASIN 210 - HUNTER RIVER
AREA-DISTRICT
CMA-MAP 8933-3S
GRID-ZONE 56/1
SCALE 1:25,000
ELEVATION
ELEVATION-SOURCE (Unknown)
NORTHING 6403292.00
EASTING 229858.00
LATITUDE 32 28' 29"
LONGITUDE 150 7' 32"
GS-MAP 0052A2
AMG-ZONE 56
COORD-SOURCE GD.,ACC.MAP
REMARK

Form-A [\(top\)](#)

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW056114>

COUNTY PHILLIP
PARISH LEE
PORTION-LOT-DP 57

Licensed ([top](#))

COUNTY PHILLIP
PARISH LEE
PORTION-LOT-DP 57 755438

Construction ([top](#))

Negative depths indicate Above Ground Level;H-Hole;P-Pipe;OD-Outside Diameter;
ID-Inside Diameter;C-Cemented;SL-Slot Length;A-Aperture;GS-Grain Size;Q-Quantity

HOLE-NO	PIPE-NO	COMPONENT-CODE	COMPONENT-TYPE	DEPTH-FROM (metres)	DEPTH-TO (metres)	OD (mm)	ID (mm)	INTERVAL	DETAIL
1	1	Casing	Drilled	0.00	0.00	102			(Unknown)

Water Bearing Zones ([top](#))

no details

Drillers Log ([top](#))

no details

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Groundwater Works Summary

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Work Requested -- GW078252

Works Details [\(top\)](#)

GROUNDWATER NUMBER GW078252
LIC-NUM 20WA206597
AUTHORISED-PURPOSES DOMESTIC STOCK
INTENDED-PURPOSES DOMESTIC STOCK
WORK-TYPE Bore
WORK-STATUS (Unknown)
CONSTRUCTION-METHOD
OWNER-TYPE
COMMENCE-DATE
COMPLETION-DATE
FINAL-DEPTH (metres) 12.00
DRILLED-DEPTH (metres)
CONTRACTOR-NAME
DRILLER-NAME
PROPERTY HOMELEIGH
GWMA 017 - HUNTER
GW-ZONE -
STANDING-WATER-LEVEL
SALINITY
YIELD

Site Details [\(top\)](#)

REGION 20 - HUNTER
RIVER-BASIN
AREA-DISTRICT
CMA-MAP
GRID-ZONE
SCALE
ELEVATION
ELEVATION-SOURCE
NORTHING 6406135.00
EASTING 230095.00
LATITUDE 32 26' 57"
LONGITUDE 150 7' 44"

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW078252>

GS-MAP

AMG-ZONE 56

COORD-SOURCE

REMARK

Form-A [\(top\)](#)

COUNTY PHILLIP

PARISH LEE

PORTION-LOT-DP PART 80

Licensed [\(top\)](#)

COUNTY PHILLIP

PARISH LEE

PORTION-LOT-DP 1 121131

Water Bearing Zones [\(top\)](#)

no details

Drillers Log [\(top\)](#)

no details

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Groundwater Works Summary

For information on the meaning of fields please see [Glossary](#)
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Work Requested -- GW034171

Works Details [\(top\)](#)

GROUNDWATER NUMBER GW034171
LIC-NUM 20WA206564
AUTHORISED-PURPOSES STOCK
INTENDED-PURPOSES DOMESTIC STOCK
WORK-TYPE Well
WORK-STATUS (Unknown)
CONSTRUCTION-METHOD (Unknown)
OWNER-TYPE Private
COMMENCE-DATE
COMPLETION-DATE
FINAL-DEPTH (metres) 9.10
DRILLED-DEPTH (metres) 0.00
CONTRACTOR-NAME
DRILLER-NAME
PROPERTY HELVETIA
GWMA -
GW-ZONE -
STANDING-WATER-LEVEL
SALINITY
YIELD

Site Details [\(top\)](#)

REGION 20 - HUNTER
RIVER-BASIN 210 - HUNTER RIVER
AREA-DISTRICT
CMA-MAP 8933-3S
GRID-ZONE 56/1
SCALE 1:25,000
ELEVATION
ELEVATION-SOURCE (Unknown)
NORTHING 6405401.00
EASTING 230324.00
LATITUDE 32 27' 21"
LONGITUDE 150 7' 52"
GS-MAP 0052A2
AMG-ZONE 56
COORD-SOURCE GD.,ACC.MAP
REMARK

Form-A [\(top\)](#)

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW034171>

COUNTY PHILLIP
PARISH LEE
PORTION-LOT-DP 61

Licensed ([top](#))

COUNTY PHILLIP
PARISH LEE
PORTION-LOT-DP 61 755438

Construction ([top](#))

Negative depths indicate Above Ground Level;H-Hole;P-Pipe;OD-Outside Diameter;
ID-Inside Diameter;C-Cemented;SL-Slot Length;A-Aperture;GS-Grain Size;Q-Quantity

HOLE-NO	PIPE-NO	COMPONENT-CODE	COMPONENT-TYPE	DEPTH-FROM (metres)	DEPTH-TO (metres)	OD (mm)	ID (mm)	INTERVAL	DETAIL
1	1	Casing	Timber	0.00	0.00	1219			(Unknown)

Water Bearing Zones ([top](#))

no details

Drillers Log ([top](#))

no details

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Groundwater Works Summary

For information on the meaning of fields please see [Glossary](#)
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Work Requested -- GW271037

Works Details [\(top\)](#)

GROUNDWATER NUMBER	GW271037
LIC-NUM	20BL172347
AUTHORISED-PURPOSES	MONITORING BORE
INTENDED-PURPOSES	MONITORING BORE
WORK-TYPE	Bore
WORK-STATUS	Instrumented Bore - LT500 (SWL)
CONSTRUCTION-METHOD	Down Hole Hammer
OWNER-TYPE	NSW Office of Water
COMMENCE-DATE	
COMPLETION-DATE	2008-04-11
FINAL-DEPTH (metres)	13.00
DRILLED-DEPTH (metres)	13.00
CONTRACTOR-NAME	
DRILLER-NAME	
PROPERTY	VALLEY VIEW
GWMA	-
GW-ZONE	-
STANDING-WATER-LEVEL	6.00
SALINITY	
YIELD	1.20

Site Details [\(top\)](#)

REGION	20 - HUNTER
RIVER-BASIN	210 - HUNTER RIVER
AREA-DISTRICT	
CMA-MAP	8933-3S
GRID-ZONE	56/1
SCALE	1:25,000
ELEVATION	
ELEVATION-SOURCE	Est. Contour 8-15M.
NORTHING	6404910.00
EASTING	230241.00
LATITUDE	32 27' 37"
LONGITUDE	150 7' 48"
GS-MAP	
AMG-ZONE	56
COORD-SOURCE	GPS - Global Positioning System
REMARK	

Form-A [\(top\)](#)

Groundwater Works Summary

<http://is2.dnr.nsw.gov.au/proxy/dipnr/gwworks?GWID=GW271037>

COUNTY PHILLIP
PARISH LEE
PORTION-LOT-DP 99//704724

Licensed (top)

COUNTY PHILLIP
PARISH LEE
PORTION-LOT-DP 99 704724

Construction (top)

Negative depths indicate Above Ground Level;H-Hole;P-Pipe;OD-Outside Diameter;
ID-Inside Diameter;C-Cemented;SL-Slot Length;A-Aperture;GS-Grain Size;Q-Quantity

HOLE-NO	PIPE-NO	COMPONENT-CODE	COMPONENT-TYPE	DEPTH-FROM (metres)	DEPTH-TO (metres)	OD (mm)	ID (mm)	INTERVAL	DETAIL
1		Hole	Hole	0.00	13.00	160			Down Hole Hammer Welded - Butt; Cemented; Driven into small hole; End cap Stainless Steel 304; A: 1mm; Packer
1	1	Casing	Steel - ERW	0.00	9.00	160	140		
1	1	Opening	Screen - Wedge Wire	10.00	13.00	125			

Water Bearing Zones (top)

FROM-DEPTH (metres)	TO-DEPTH (metres)	THICKNESS (metres)	ROCK-CAT-DESC	S-W-L	D-D-L	YIELD	TEST-HOLE-DEPTH (metres)	DURATION	SALINITY
10.00	13.00	3.00		6.00		1.20		2.00	

Drillers Log (top)

FROM	TO	THICKNESS	DESC	GEO-MATERIAL	COMMENT
0.00	0.30	0.30	Topsoil		
0.30	7.00	6.70	Sandy Clay		
7.00	12.00	5.00	Alluvials		
12.00	13.00	1.00	Shale, grey		

Warning To Clients: This raw data has been supplied to the Department of Infrastructure, Planning and Natural Resources (DIPNR) by drillers, licensees and other sources. The DIPNR does not verify the accuracy of this data. The data is presented for use by you at your own risk. You should consider verifying this data before relying on it. Professional hydrogeological advice should be sought in interpreting and using this data.



Appendix E

Dangerous Goods Search



WorkCover

WorkCover NSW
82-100 Donnison Street, Gosford, NSW 2250
Locked Bag 2906, Lisarow, NSW 2252
T 02 4321 5000 F 02 4325 4145
WorkCover Assistance Service 13 10 50
DX 731 Sydney workcover.nsw.gov.au

Our Ref: D14/050724
Your Ref: Malcolm Adrien

28 April 2014

Attention: Malcolm Adrien
David Lane Associates
Unit 2B
30 Leighton Place
Hornsby NSW 2077

Dear Mr Adrien,

RE SITE: Bylong Coal Project NSW

I refer to your site search request received by WorkCover NSW on 23 April 2014 requesting information on licences to keep dangerous goods for the above site.

Enclosed are copies of the documents that WorkCover NSW holds on Dangerous Goods Licence 35/008623 relating to the storage of dangerous goods at the above-mentioned premises, as listed on the Stored Chemical Information Database (SCID).

If you have any further queries please contact the Dangerous Goods Licensing Team on (02) 4321 5500.

Yours Sincerely


Brent Jones
Senior Licensing Officer
Dangerous Goods Notification Team

NOTIFICATION OF DANGEROUS GOODS ON PREMISES FORM

FDG01

CONTACT FOR NOTIFICATION INQUIRIES

Title: Mr / Miss ☒ Ms / Mrs / Other (please specify) _____ Family name Watson
 Given name JANNE Other names BETHANN
 Gender Male ☐ Female ☒ Date of birth 10 / 3 / 60 Place of birth MERGIMA
 Postal address 7690 Bylong Valley NSW State NSW Postcode 2849
 Suburb Bylong Business phone 02 6379 8252 Business fax number 02 6379 8253
 Business email address _____

Previous Licence Number or Acknowledgement Number (if known)

35/ 008623

Previous Occupier (if known)

Site on which dangerous goods are to be kept

Number Street

7690Bylong Valley Way Bylong NSW

Nearest cross Street

Upper Bylong Rd

Lot and DP if no street number

Is the site staffed? If yes state number of employees 2Site staffing: Hours per day 8Days per week 7

Site Emergency Contact

Phone number

02 6379 8252

Name

JANNE WATSON

Nature of site (eg petrol station, warehouse etc)

petrol station

Nature of your primary business activity

General Store

ABN Number (if any)

74 232 08 055

Website details (if any)

What is the ANSZIC code most applicable to your business? (see guide for list of codes and further information)

Code

511

Description

Grocery / Tobacco / Liquor / Rural products

Attach a site sketch(s) of the premises. Refer to the Guide for information on the requirements for the site sketch.

Attach a photocopy page from a local Street Directory or other map showing the locality of the premises. Mark the location of the premises with an X

NOTIFICATION OF DANGEROUS GOODS ON PREMISES FORM

FDG01

List the dangerous goods that will be stored and/or processed on these premises. Copy this page and attach additional sheets if there is insufficient space.

Identifier	Type of storage location or process	Class	Maximum Storage Capacity (L, kg, M ³)
UT1	Underground tank	3	4500L

UN Number	Proper Shipping Name	Class	PG (I, II, III)	Product or Common Name	HazChem Symbol	Typical Qty	Unit eg L, kg, M ³
1203	Petrol	3	1	Unleaded		700	L

Identifier	Type of storage location or process	Class	Maximum Storage Capacity (L, kg, M ³)
UT2	Underground Tank	3	4500L

UN Number	Proper Shipping Name	Class	PG (I, II, III)	Product or Common Name	HazChem Symbol	Typical Qty	Unit eg L, kg, M ³
1203	Petrol	3	1	Unleaded		700	L

Identifier	Type of storage location or process	Class	Maximum Storage Capacity (L, kg, M ³)
UT3	Underground Tank	2	2000L

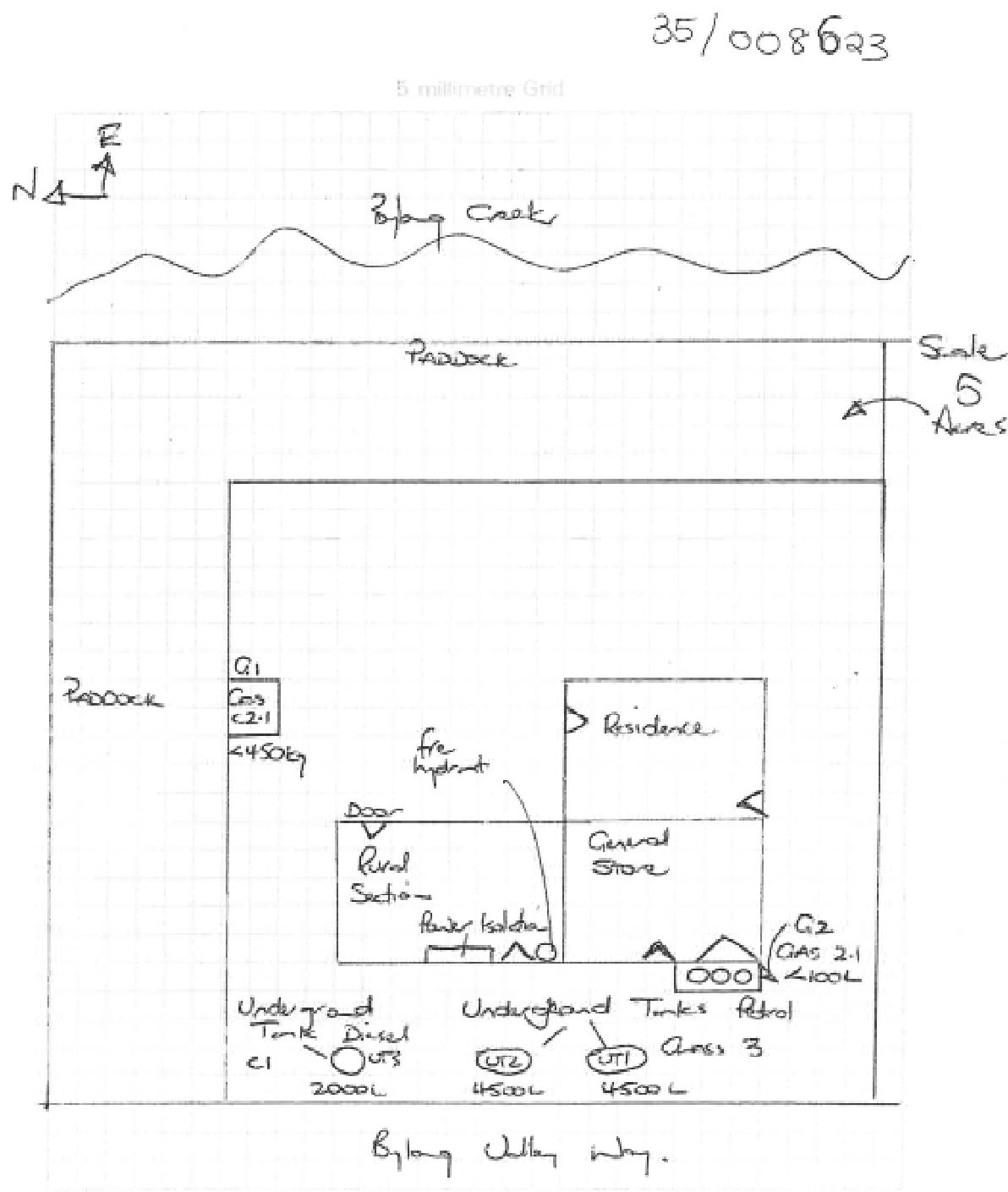
UN Number	Proper Shipping Name	Class	PG (I, II, III)	Product or Common Name	HazChem Symbol	Typical Qty	Unit eg L, kg, M ³
004	Diesel	2		Diesel		1000	L

Identifier	Type of storage location or process	Class	Maximum Storage Capacity (L, kg, M ³)
G1	Roofed store	2.1	450kg

UN Number	Proper Shipping Name	Class	PG (I, II, III)	Product or Common Name	HazChem Symbol	Typical Qty	Unit eg L, kg, M ³
1075	Liquefied gas	2.1		Edgas / LPG	2WE	<450	kg

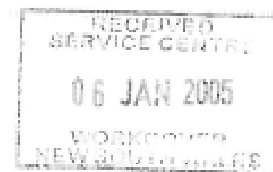
Identifier	Type of storage location or process	Class	Maximum Storage Capacity (L, kg, M ³)
G2	Cylinder store	2.1	100kg

UN Number	Proper Shipping Name	Class	PG (I, II, III)	Product or Common Name	HazChem Symbol	Typical Qty	Unit eg L, kg, M ³
1075	Liquefied gas	2.1		Edgas / LPG	2WE	<100	kg





2005 01 06 09:05



Licence No. 35/008623

APPLICATION FOR RENEWAL OF LICENCE TO KEEP DANGEROUS GOODS

ISSUED UNDER AND SUBJECT TO THE PROVISIONS OF THE DANGEROUS GOODS ACT, 1975 AND REGULATION THEREUNDER

DECLARATION: Please renew licence number 35/008623 to 20/01/2006. I confirm that all the licence details shown below are correct (amend if necessary).


(Signature)
for: JAYNE WATSON

JAYNE WATSON
(Please print name)

3.1.05
(Date signed)

THIS SIGNED DECLARATION SHOULD BE RETURNED TO:

WorkCover New South Wales
Dangerous Goods Licensing Section
LOCKED BAG 2906
LISAROW NSW 2252
Enquiries:ph (02) 43215500
fax (02) 92875500

Details of licence on 3 December 2004

Licence Number 35/008623 Expiry Date 20/01/2005

Licensee JAYNE WATSON BYLONG GENERAL STORE

Postal Address: BYLONG GENERAL STORE 7690 BYLONG VALLEY WY BYLONG NSW 2849

Licensee Contact JAYNE WATSON Ph. 02 63798252 Fax. 02 63798253

Premises Licensed to Keep Dangerous Goods
JAYNE WATSON BYLONG GENERAL STORE
7690 BYLONG VALLEY WY BYLONG 2849

Nature of Site GENERAL STORE

Major Supplier of Dangerous Goods SHELL

Emergency Contact for this Site JAYNE WATSON Ph. 02 63798252

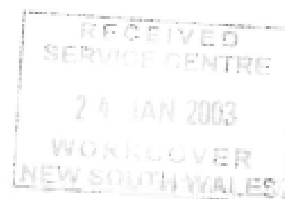
Site staffing 24 HRS 7 DAYS

Details of Depots

Depot No.	Depot Type	Goods Stored in Depot	Qty
1a	UNDERGROUND TANK	Class 3 9000 L	
	UN 1203 PETROL	4000 L	
1b	UNDERGROUND TANK	Class 3 2000 L	
	UN 1203 PETROL	1500 L	
2	EXEMPT A/G TANK	Class G1 10000 L	
	UN 00C1 DIESEL	2000 L	
3	CYLINDER STORE	Class 2.1 600 KG	
	UN 1075 PETROLEUM GASES, LIQUEFIED	270 KG	
	UN 1075 PETROLEUM GASES, LIQUEFIED	180 KG	
4	ROOFED STORE	Class 6.1 200 L	
	UN 0000 NON DANGEROUS	100 L	
	UN 0000 NON DANGEROUS	100 L	



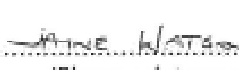
Licence No. 35/008623



APPLICATION FOR RENEWAL OF LICENCE TO KEEP DANGEROUS GOODS

ISSUED UNDER AND SUBJECT TO THE PROVISIONS OF THE DANGEROUS GOODS ACT, 1978 AND REGULATION
THEREUNDER

DECLARATION: Please renew licence number 35/008623 to 21/01/2004. I confirm that all the licence details shown below are correct (amend if necessary).



 20.1.03
 (Signature) (Please print name) (Date signed)
 for: ~~DONNA STEPHEN~~ AND JAYNE WATSON

THIS SIGNED DECLARATION SHOULD BE RETURNED TO:

WorkCover New South Wales Enquiries: ph (02) 43215500
 Dangerous Goods Licensing Section fax (02) 92875500
 LOCKED BAG 2906
 LISAROW NSW 2252

Details of licence on 14 January 2003

Licence Number 35/008623 Expiry Date 21/01/2003
 Licensees ~~DONNA STEPHEN~~ AND JAYNE WATSON BYLONG GENERAL STORE
 Postal Address: BYLONG GENERAL STORE 7690 BYLONG VALLEY WY BYLONG NSW 2849
 Licensee Contact JAYNE WATSON Ph. 02 63798252 Fax. 02 63798253
 Premises Licensed to Keep Dangerous Goods
~~DONNA STEPHEN~~ AND JAYNE WATSON BYLONG GENERAL STORE
 7690 BYLONG VALLEY WY BYLONG 2849

Nature of Site GENERAL STORE

Major Supplier of Dangerous Goods SHELL

Emergency Contact for this Site JAYNE WATSON Ph. 02 63798252

Site staffing 24 HRS & DAYS

Details of Depots

Depot No.	Depot Type	Goods Stored in Depot		Qty
1a	UNDERGROUND TANK	Class 3	9000 L	
	UN 1203 PETROL			4000 L
1b	UNDERGROUND TANK	Class 3	2000 L	
	UN 1203 PETROL			1500 L
2	EXEMPT - A/G TANK	Class C1	10000 L	
	UN 00C1 DIESEL		2000 L	
3	CYLINDER STORE	Class 2.1	600 KG	
	UN 1075 PETROLEUM GASES, LIQUEFIED		270 KG	
	UN 1075 PETROLEUM GASES, LIQUEFIED		180 KG	
4	ROOFED STORE	Class 6.1	200 L	
	UN 0000 NON DANGEROUS			100 L
	UN 0000 NON DANGEROUS			100 L

Application for Licence to Keep Dangerous Goods



Application for ☐ new licence ☐ amendment ☒ transfer ☐ renewal of expired licence

PART A - Applicant and site information See page 2 of Guidance Notes.

1 Name of applicant DONNA ST CLAIR & JAYNE WATSON		
JAYNE WATSON		91 898 984 610
2 Postal address of applicant		Suburb/Town Postcode
7690 BYLONG VALLEY WAY		BYLONG 2849
3 Trading name or site occupier's name		
BYLONG GENERAL STORE		
4 Contact for licence inquiries		
Phone	Fax	Name
02 63798252	02 63798253	JAYNE WATSON
5 Previous licence number (if known) 35/008623		
6 Previous occupier (if known) George Shipway		
7 Site to be licensed		
No	Street	
7690	Bylong Valley Way	
Suburb / Town		Postcode
Bylong		2849
8 Main business of site GENERAL STORE / SERVICE STATION		
9 Site staffing: Hours per day 24 Days per week 6		
10 Site emergency contact		
Phone	Name	
02 63798252	Jayne Watson	
11 Major supplier of dangerous goods SHELL		
12 If a new site or for amendments to depots - see page 4 of Guidance Notes.		
Plan stamped by:	Name of Accredited Consultant	Date stamped

I certify that the details in this application (including any accompanying computer disk) are correct and cover all licensable quantities of dangerous goods kept on the premises.

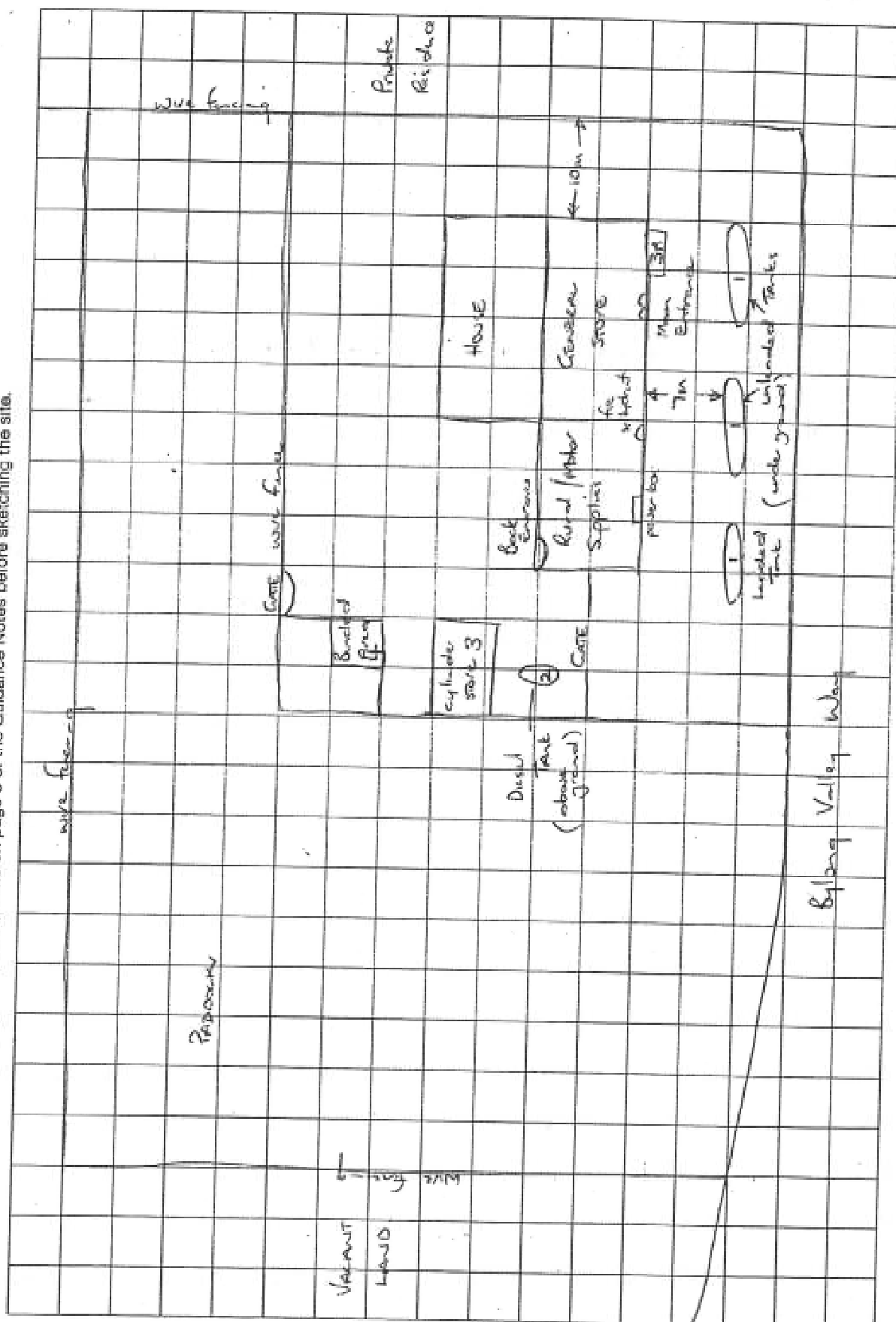
13 Signature of applicant	Printed name	Date
	JAYNE WATSON	16.7.01

Please send your application, marked **CONFIDENTIAL**, to: **Dangerous Goods Licensing, WorkCover NSW, Level 2, GPO Box 5364, SYDNEY NSW 2001**

Site Sketch

Please carefully read the instructions on page 3 of the Guidance Notes before sketching the site.

PART B See page 3 of the Guidance Notes



What is a depot? See page 5 of the Guidance Notes.

PART C – Dangerous Goods Storage Complete one section per depot.

If you have more depots than the space provided, photocopy sufficient sheets first.

Depot Number	Type of depot (see page 5)	Depot Class	Maximum storage capacity
1	Underground Tank	3	Unleaded 9000 Leaded 2000

UN Number	Proper Shipping Name	Class (I, II, III)	PG Class (I, II, III)	Product or common name	Typical quantity	Unit, e.g. L, kg, m³
1203	Petrol	3	II	Unleaded Leaded	4000 1500	

Depot Number	Type of depot (see page 5)	Depot Class	Maximum storage capacity
2	Above ground Tank		10,000

UN Number	Proper Shipping Name	Class (I, II, III)	PG Class (I, II, III)	Product or common name	Typical quantity	Unit, e.g. L, kg, m³
			II	Diesel	2000	

Depot Number	Type of depot (see page 5)	Depot Class	Maximum storage capacity
3	Cylinder Store	2.1	270 kg (45 kg cylinders)

UN Number	Proper Shipping Name	Class (I, II, III)	PG Class (I, II, III)	Product or common name	Typical quantity	Unit, e.g. L, kg, m³
1075	Petroleum Gases LP Gas	2.1		LP Gas	270 kg	

COMBINE THE 2 depots

Depot Number	Type of depot (see page 5)	Depot Class	Maximum storage capacity
3A	Cylinder Store (9kg)	2.1	180 kg

UN Number	Proper Shipping Name	Class (I, II, III)	PG Class (I, II, III)	Product or common name	Typical quantity	Unit, e.g. L, kg, m³
1075	Petroleum Gases	2.1		LP Gas (9kg) cylinders	90 kg.	

What is a depot? See page 5 of the Guidance Notes.

PART C – Dangerous Goods Storage Complete one section per depot.

If you have more depots than the space provided, photocopy sufficient sheets for.

Depot Number	Type of depot (see page 5)	Depot Class	Maximum storage capacity	
4	Roofed store		200 L	
UN Number	Proper Shipping Name	PG Class (I, II, III)	Product or common name	Typical quantity
N/A ?	Herbicide Group 2	6.1	Glyphosate, MCPA	100 litres

Depot Number	Type of depot (see page 5)	Depot Class	Maximum storage capacity	
4	Roofed store			
UN Number	Proper Shipping Name	PG Class (I, II, III)	Product or common name	Typical quantity
N/A COCO?	MCPA 500 Group 2	6.1	MCPA	100 litres

Depot Number	Type of depot (see page 5)	Depot Class	Maximum storage capacity	
UN Number	Proper Shipping Name	PG Class (I, II, III)	Product or common name	Typical quantity

Depot Number	Type of depot (see page 5)	Depot Class	Maximum storage capacity	
UN Number	Proper Shipping Name	PG Class (I, II, III)	Product or common name	Typical quantity

Rural supply
Weed spray

that depot? See page 5 of the Guidance Notes.

PART C - Dangerous Goods Storage Complete one section per depot.

If you have more depots than the space provided, photocopy sufficient sheets first.

Depot Number	Type of depot (see page 5)	Depot Class	Maximum storage capacity
1A	UNDERGROUND	3	9000 L

UN Number	Proper Shipping Name	Class (I, II, III)	PG	Product or common name	Typical quantity	Unit, e.g. L, kg, m³
1203	PETROL	3	II	UNLEADED	4000	L

Depot Number	Type of depot (see page 5)	Depot Class	Maximum storage capacity
1B	UNDERGROUND TANK	3	2000 L

UN Number	Proper Shipping Name	Class (I, II, III)	PG	Product or common name	Typical quantity	Unit, e.g. L, kg, m³
1203	PETROL	3	II	LEADED	1500	L

Depot Number	Type of depot (see page 5)	Depot Class	Maximum storage capacity
2	EXEMPT A/C TANK	C1	10,000 L

UN Number	Proper Shipping Name	Class (I, II, III)	PG	Product or common name	Typical quantity	Unit, e.g. L, kg, m³
0002	DIESEL	C1		DIESEL	2000	L

Depot Number	Type of depot (see page 5)	Depot Class	Maximum storage capacity
3	CYLINDER STORE	2.1	600 KG

UN Number	Proper Shipping Name	Class (I, II, III)	PG	Product or common name	Typical quantity	Unit, e.g. L, kg, m³
1015	LPG	2.1		LPG 6x45kg	270	KG
1015	LPG	2.1		LPG 20x9kg	180	KG

that depot? See page 5 of the Guidance Notes.

PART C – Dangerous Goods Storage Complete one section per depot.

If you have more depots than the space provided, photocopy sufficient sheets first.

Depot Number	Type of depot (see page 5)	Depot Class	Maximum storage capacity
4	ROOFED STORE	61	200 L

UN Number	Proper Shipping Name	PG Class (I, II, III)	Product or common name	Typical quantity	Unit, e.g. L, kg, m ³
0000			GLYPHOSATE	100	L
0000			MCPA	100	L

Depot Number	Type of depot (see page 5)	Depot Class	Maximum storage capacity

UN Number	Proper Shipping Name	PG Class (I, II, III)	Product or common name	Typical quantity	Unit, e.g. L, kg, m ³

Depot Number	Type of depot (see page 5)	Depot Class	Maximum storage capacity

UN Number	Proper Shipping Name	PG Class (I, II, III)	Product or common name	Typical quantity	Unit, e.g. L, kg, m ³

Depot Number	Type of depot (see page 5)	Depot Class	Maximum storage capacity

UN Number	Proper Shipping Name	PG Class (I, II, III)	Product or common name	Typical quantity	Unit, e.g. L, kg, m ³

N10

C/R.

Form DGI

Department of Industrial Relations & Employment

DANGEROUS GOODS ACT, 1975

LICENCE No.

35 - 008623.9

APPLICATION FOR LICENCE (or AMENDMENT or TRANSFER of LICENCE)*
FOR THE KEEPING OF DANGEROUS GOODS

(* delete whichever is not required)

FEE: \$15.00 per Depot for new licence.
\$15.00 for amendment or transfer.

DG 9001

Name of Applicant in full (see item 1 - Explanatory notes - page 4)	N GRANTAO P/L SHIPWAY GEORGE MAXWELL.		
Trading name or occupier's name (if any)	TR BYLONG SERVICE CENTRE / BYLONG RURAL TRADER		
Postal Address	BYLONG SERVICE CENTRE	BYLONG	Postcode 2849
Address of the premises to be licensed. (Including Street No.)	AS ABOVE		Postcode
Nature of premises (See item 2 - Explanatory notes - page 4)	SERVICE STATION		
Telephone number of applicant	STD Code 063	Number	798252

Particulars of type of depots and maximum quantities of dangerous goods to be kept at any one time.

Depot number	Type of depot (See item 3 - Explanatory notes - page 4)	Storage capacity	Dangerous goods	C & C Office use only
			Product being stored	
1	SUPER SERVICE	9000	SUPER	DD004.320.2
2	STATION	2000	ULP	2.020.93
3	"	9000	Distillate	2.020.23
4	"		Safety Cartridges	Exempt
5	"	12x50 kg	L.P.G. Refillers	9.200.99
6				7.100.62
7				
8				
9				
10				
11				
12				

Has site plan been approved by the Dangerous Goods Branch?	Yes No	If yes, no plans required. If no, please attach site plan, or provide sketch plan overleaf.
Have premises previously been licensed?	Yes No	If yes, state name of previous occupier, and licence No. (if known). K. PITTMAN
Name of oil company supplying flammable liquid (if applicable)	AMPOL	
Signature of applicant	Date 15/4/90	
For external explosives magazine(s), please fill in page 3.		

FOR OFFICE USE ONLY

CERTIFICATE OF INSPECTION

I, being an Inspector under the Dangerous Goods Act, 1975, do hereby certify that the premises described above do comply with the requirements of the Dangerous Goods Act, 1975, and the Dangerous Goods Regulation with regard to their situation and construction for the keeping of dangerous goods of the nature and in the quantity specified.

Signature of Inspector

Date

Form DGI

Department of Industrial Relations

DANGEROUS GOODS ACT, 1975

APPLICATION FOR LICENCE (or AMENDMENT or TRANSFER of LICENCE)*
FOR THE KEEPING OF DANGEROUS GOODS

(* delete whichever is not required)



LICENCE No.

35 -

008623.9

Rev 19-1-88

LDG 8701

FEE: \$15.00 per Depot for new licence.
\$15.00 for amendment or transfer.

Name of Applicant in full (see Item 1 - Explanatory notes - page 4)	KENNETH CHARLES PITMAN NF		
Trading name or occupier's name (if any)	BYLONG JUVILE CENTRE		
Postal Address	P.O. Box 111 RYHANE Postcode 2049		
Address of the premises to be licensed. (Including Street No.)			
Nature of premises (See Item 2 - Explanatory notes - page 4)			
Telephone number of applicant	STD Code	70 8252	Postcode 2049
Particulars of type of depots and maximum quantities of dangerous goods to be kept in the depot			
Depot number	Type of depot (See item 3 - Explanatory notes - page 4)	Dangerous goods	C & C Office use only
1	C/G TANK	PETROL	202053
2	←	←	202053
3	ORIG. PACK.	SAFETY CARTR.	920024
4			
5			
6			
7			
8			
9			
10			
11			
12			

Has site plan been approved by the
Dangerous Goods Branch?Yes
☒ No

If yes, no plans required.

If no, please attach site plan, or provide sketch plan overleaf.

Have premises previously been licensed?

Yes
☒ No

If yes, state name of previous occupier, and licence No. (if known).

Name of oil company supplying flammable liquid (if applicable).

Signature of applicant

Date 12/10/87

For external explosives magazine(s), please fill in page 3.

FOR OFFICE USE ONLY

CERTIFICATE OF INSPECTION

I, being an Inspector under the Dangerous Goods Act, 1975, do hereby certify that the premises described above do comply with the requirements of the Dangerous Goods Act, 1975, and the Dangerous Goods Regulation with regard to their situation and construction for the keeping of dangerous goods of the nature and in the quantity specified.

Signature of Inspector

Date

Application is hereby made for ~~the transfer of the licence~~
premises described below.
(*delete whichever is not required)

FEE: \$10.00 per Depot



Name of Applicant in full (see over)	Surname <u>PITMAN</u> Given Names <u>RENATA CHARLES</u> <u>ADOLE-GRACE BURGESS</u>
Trading name or occupier's name (if any)	<u>NE CARAK HOLDINGS PTY LTD</u>
Postal address	<u>P.O. BYLONG NSW Postcode 2849</u>
Telephone number of applicant	STD Code <u>063</u> Number <u>7983 67 16</u>
Address of the premises in or on which the depot or depots are situated (including street number, if any)	<u>BYLONG RD.</u> <u>BYLONG</u> Postcode <u>2849</u>
Nature of premises (see over)	

PLEASE ATTACH SITE PLAN

Particulars of type of depots and maximum quantities of dangerous goods to be kept at any one time.

Depot number	Type of depot (see over)	Storage capacity	Dangerous goods <u>2020 4 020 7</u>	
			Product being stored	C & C Office use only
1	Asphalt Storage Tanks	9000 Ltrs.	Diesel Generator	
2	<u>Asphalt Storage Tanks</u>	<u>4500 Ltrs.</u>	<u>Petrol</u> ✓	<u>2 020 53</u>
3	" "	<u>2500 Ltrs.</u>	<u>Kerosene</u> ✓	<u>2 020 23</u>
4	" "	<u>4500 Ltrs.</u>	<u>Petrol</u> ✓	<u>2 020 53</u>
5	<u>Asphalt Storage</u>	<u>10000 L</u>		<u>6 020 14</u>
6				
7				
8				
9				
10				
11				
12				

Name of company supplying flammable liquid (if any) MOBIL AUST.

Have premises previously been licensed? YES

If known, state name of previous occupier FULTON + SPENCER Licence No.

Signature of applicant

Pitman

Date 9/9/80

For external explosives magazine(s), please fill in side 2.

JOINT No.

FOR OFFICE USE ONLY
CERTIFICATE OF INSPECTION

I, being an Inspector under the Dangerous Goods Act, 1975, do hereby certify that the premises described above do comply with the requirements of the Dangerous Goods Act, 1975, and the Dangerous Goods Regulation with regard to their situation and construction for the keeping of dangerous goods of the nature and in the quantity specified.

Signature of Inspector

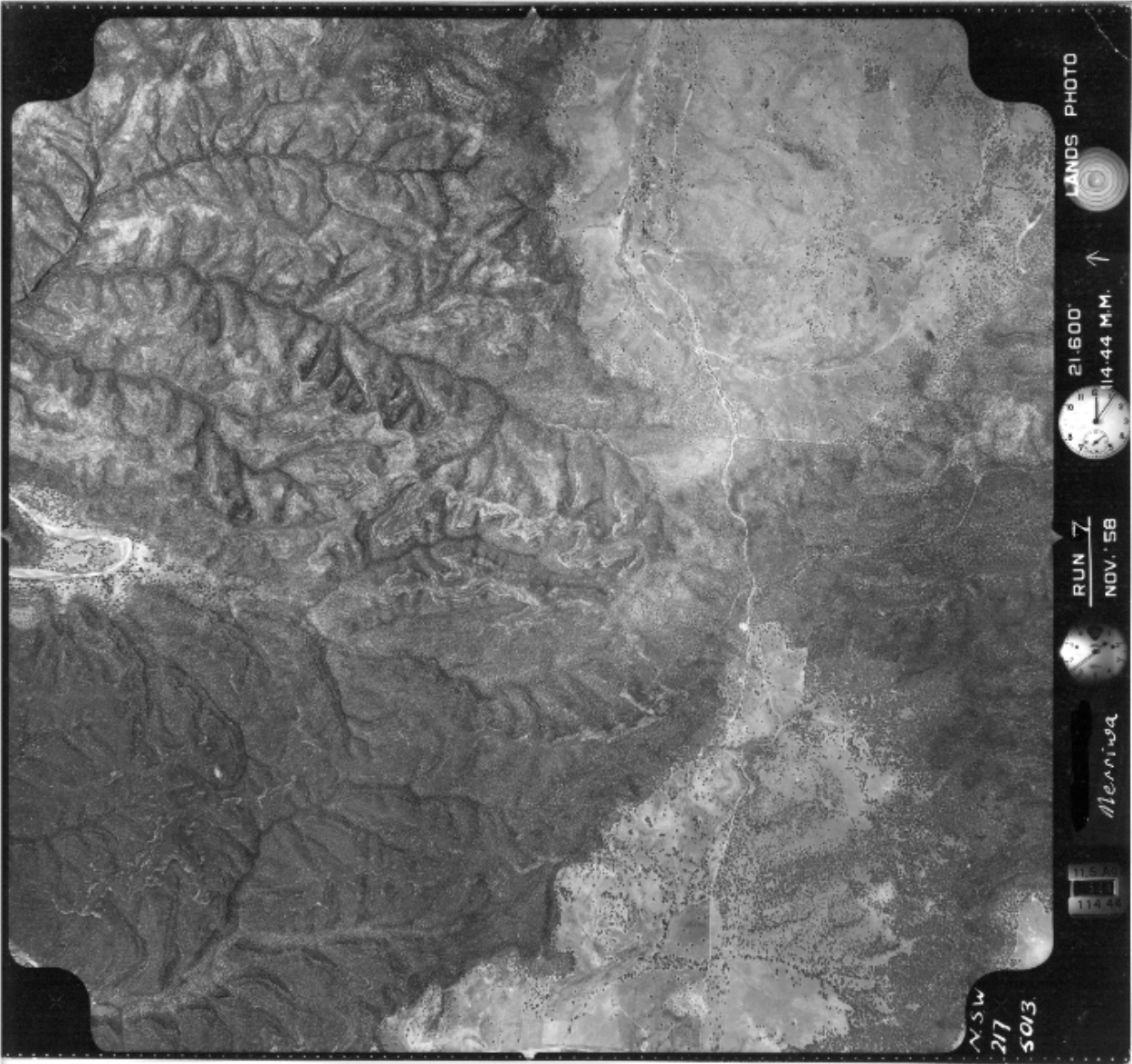


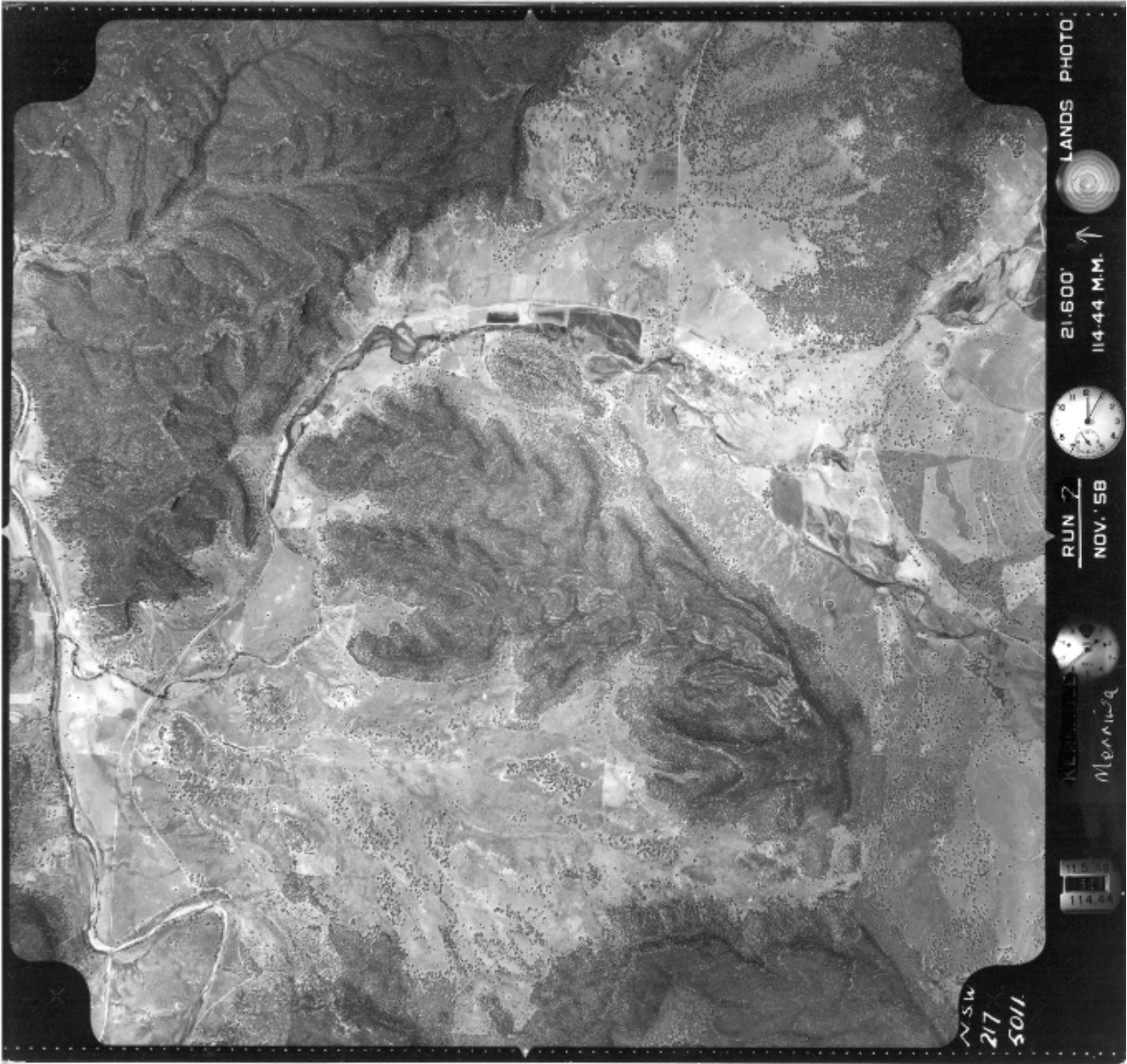
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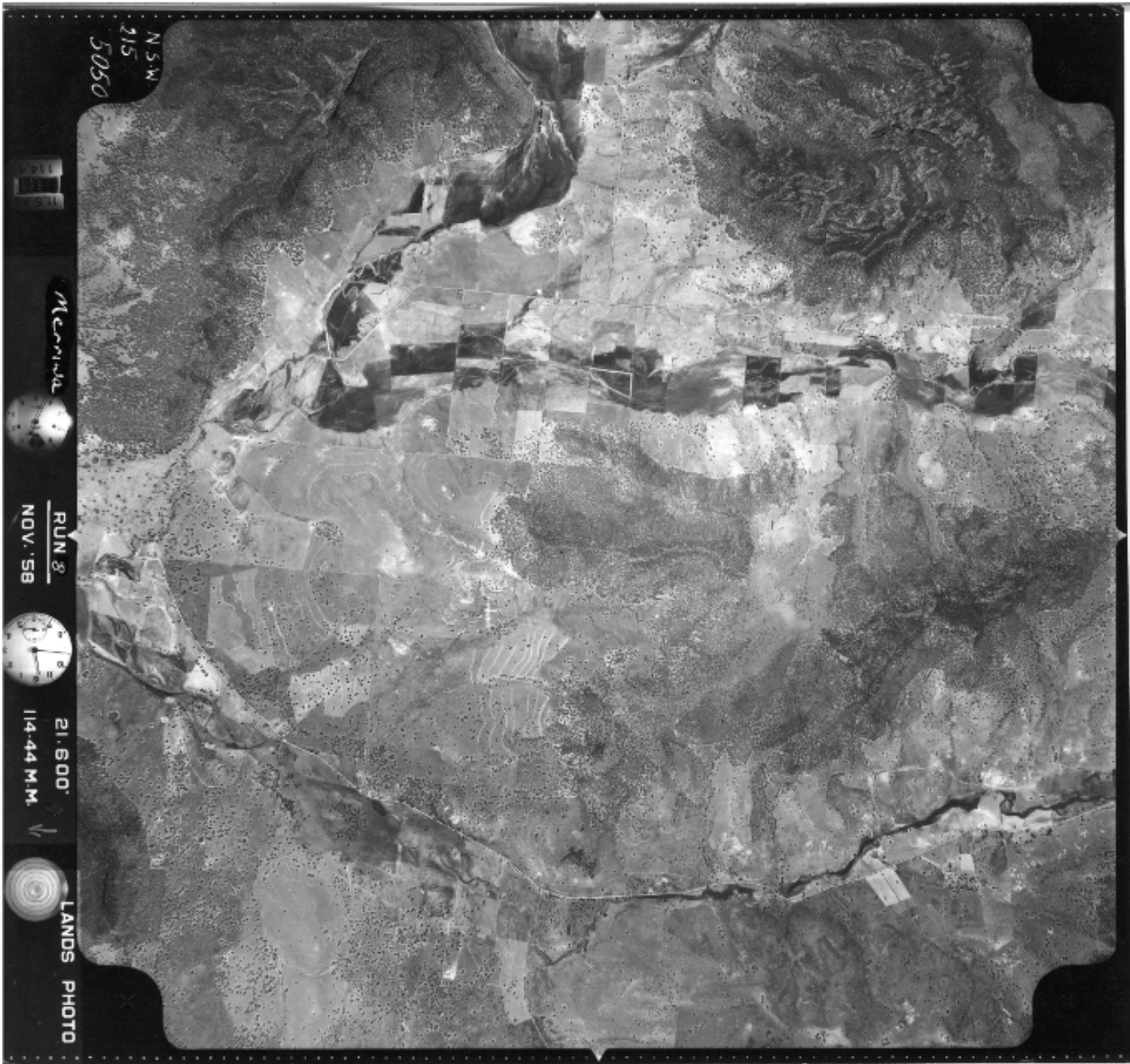
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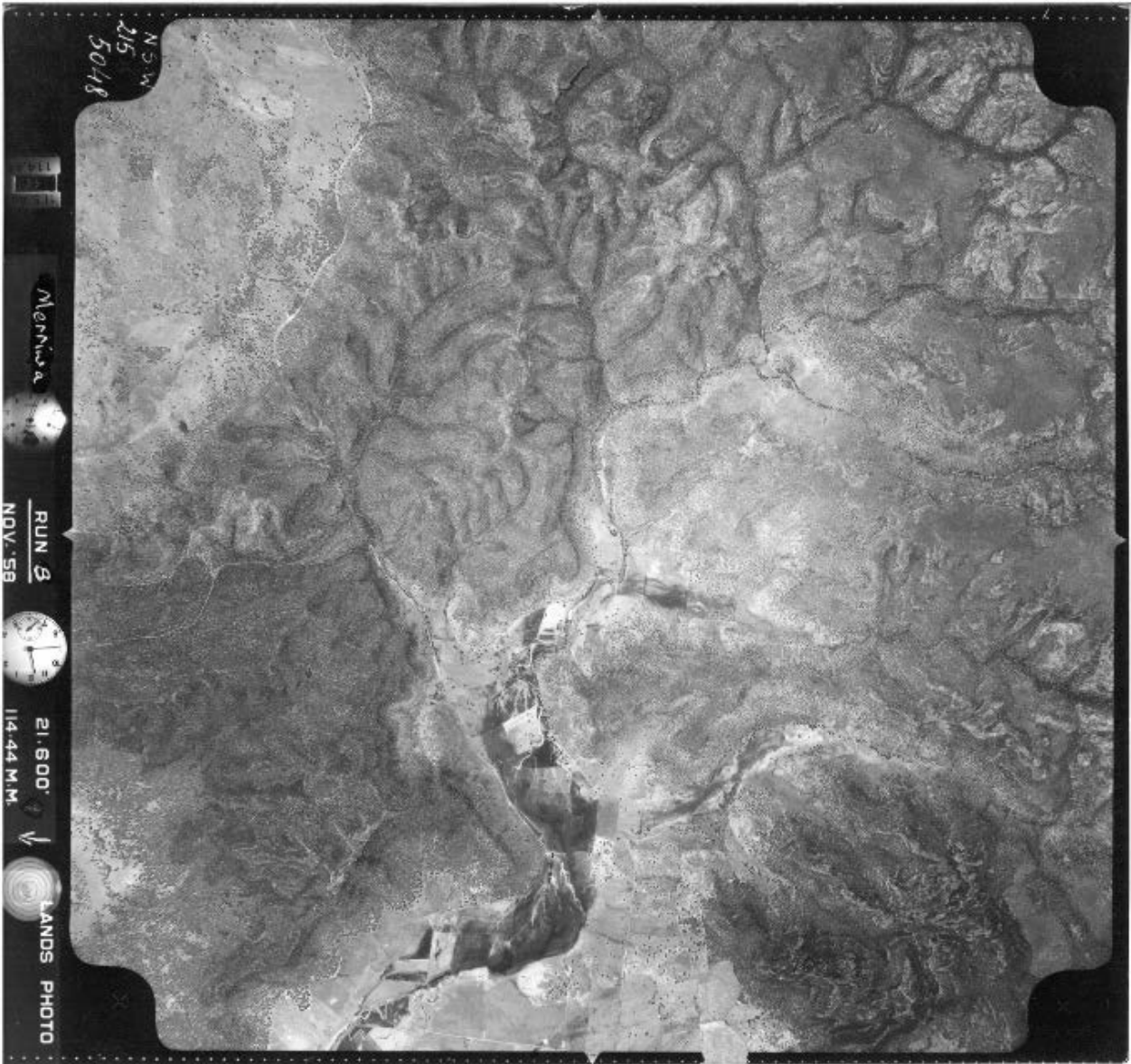


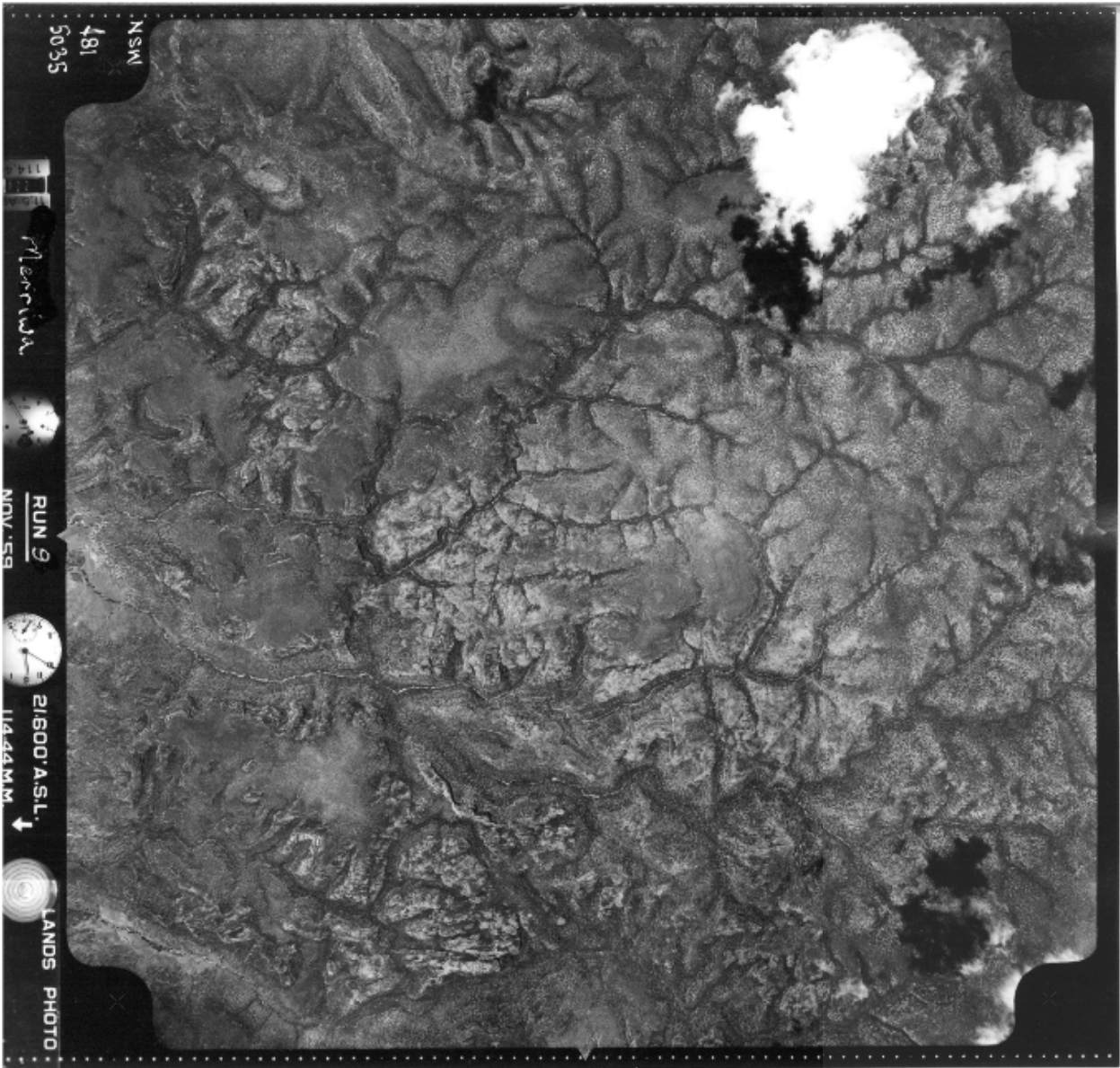
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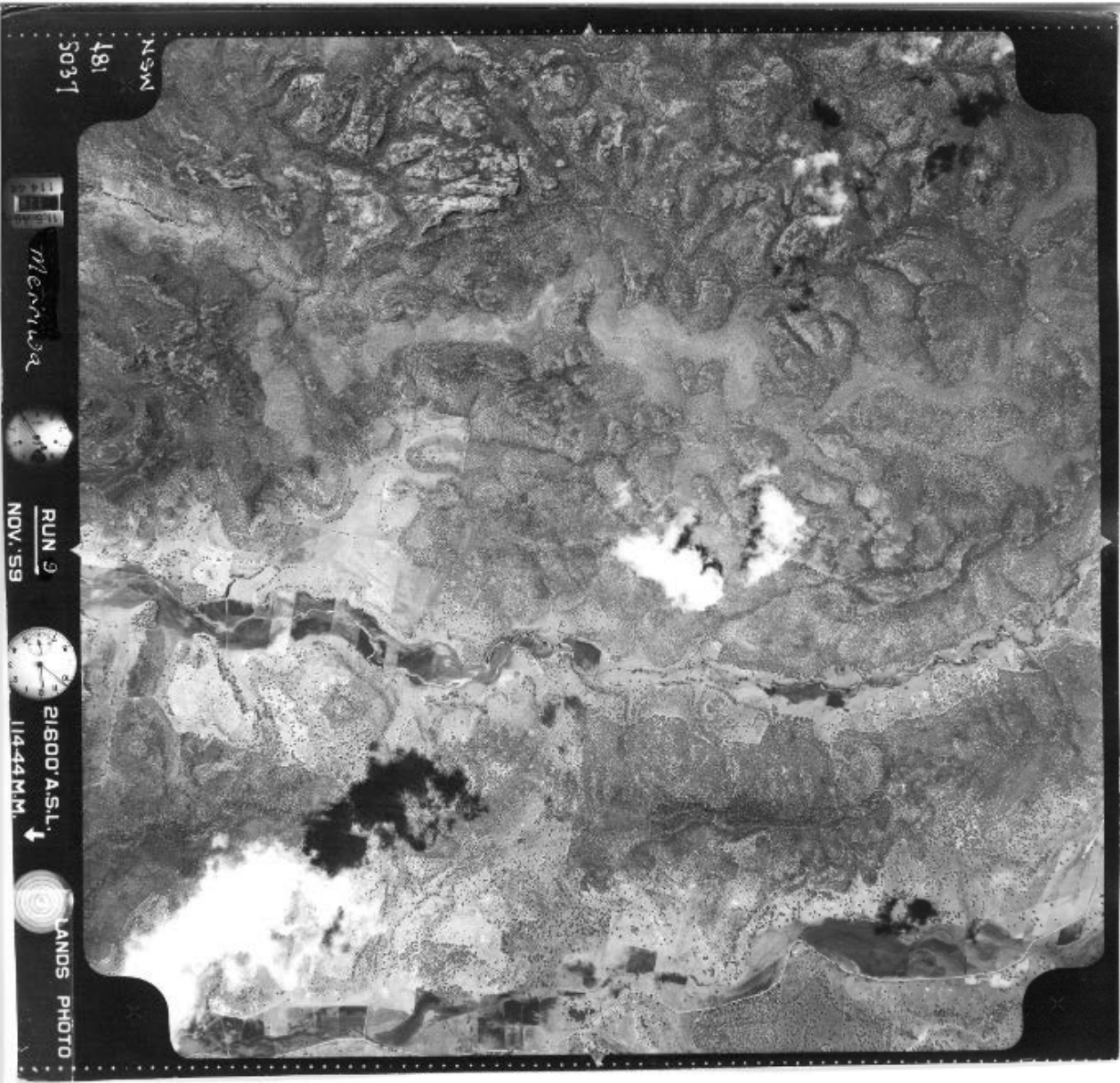






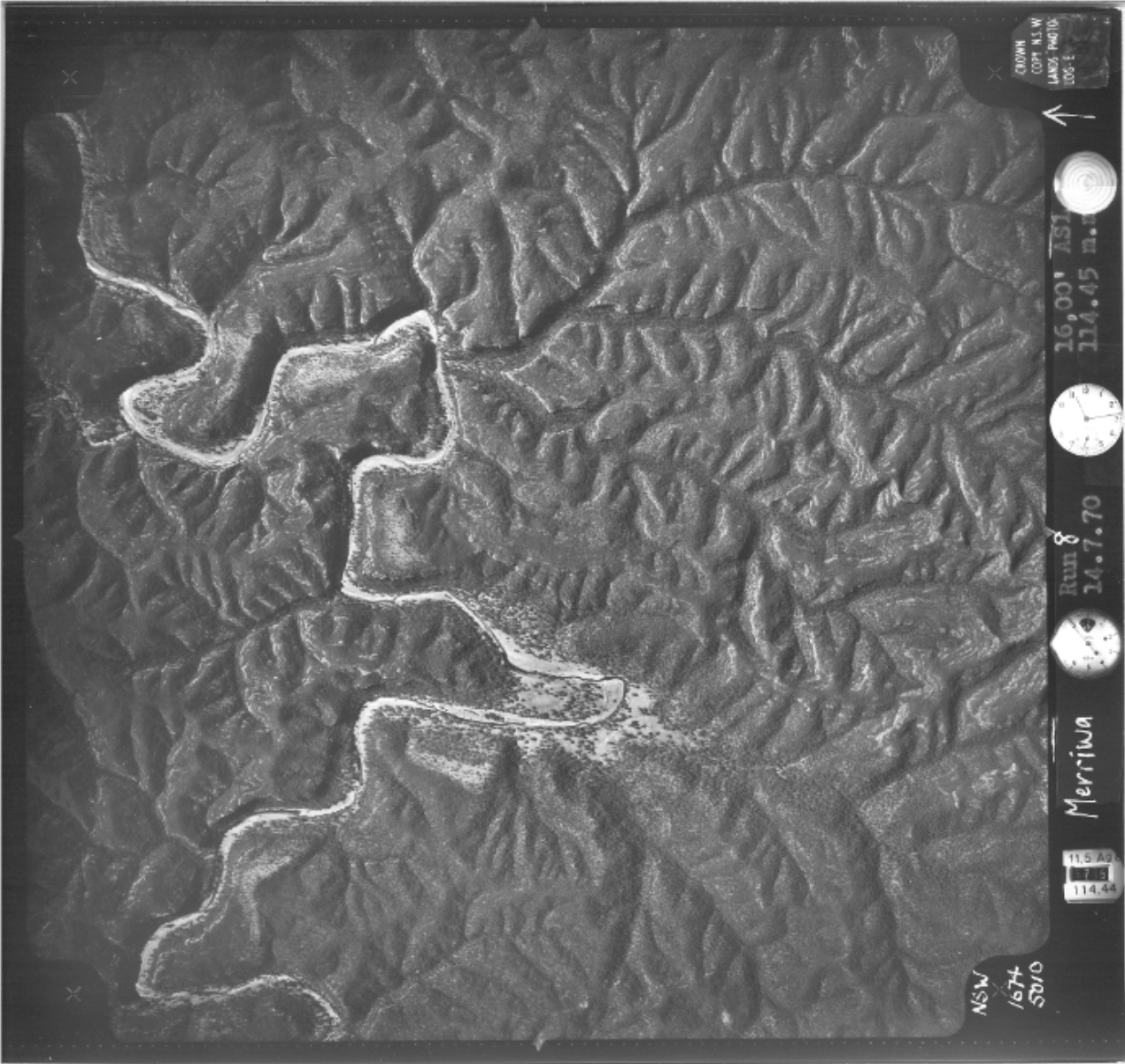


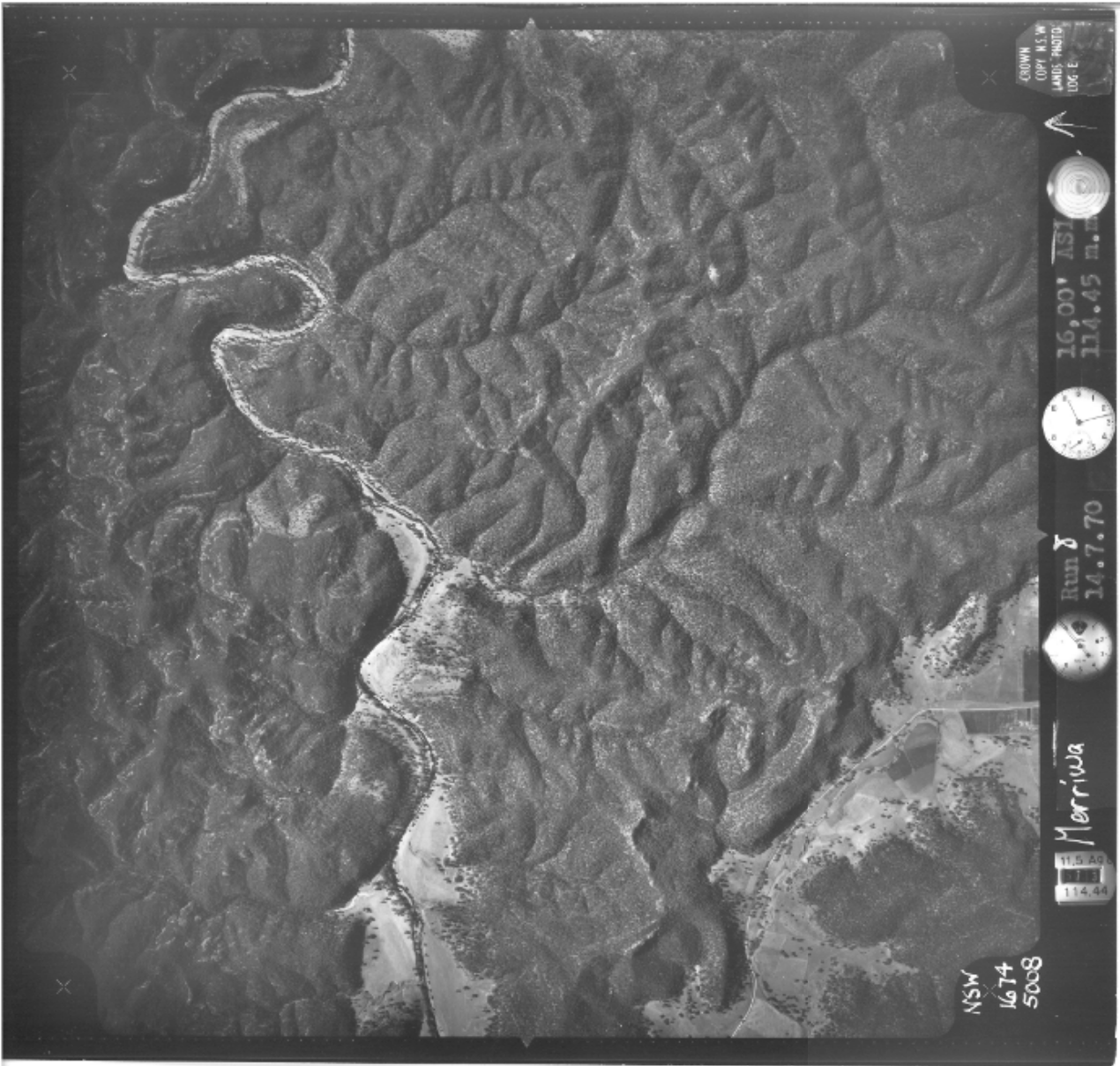


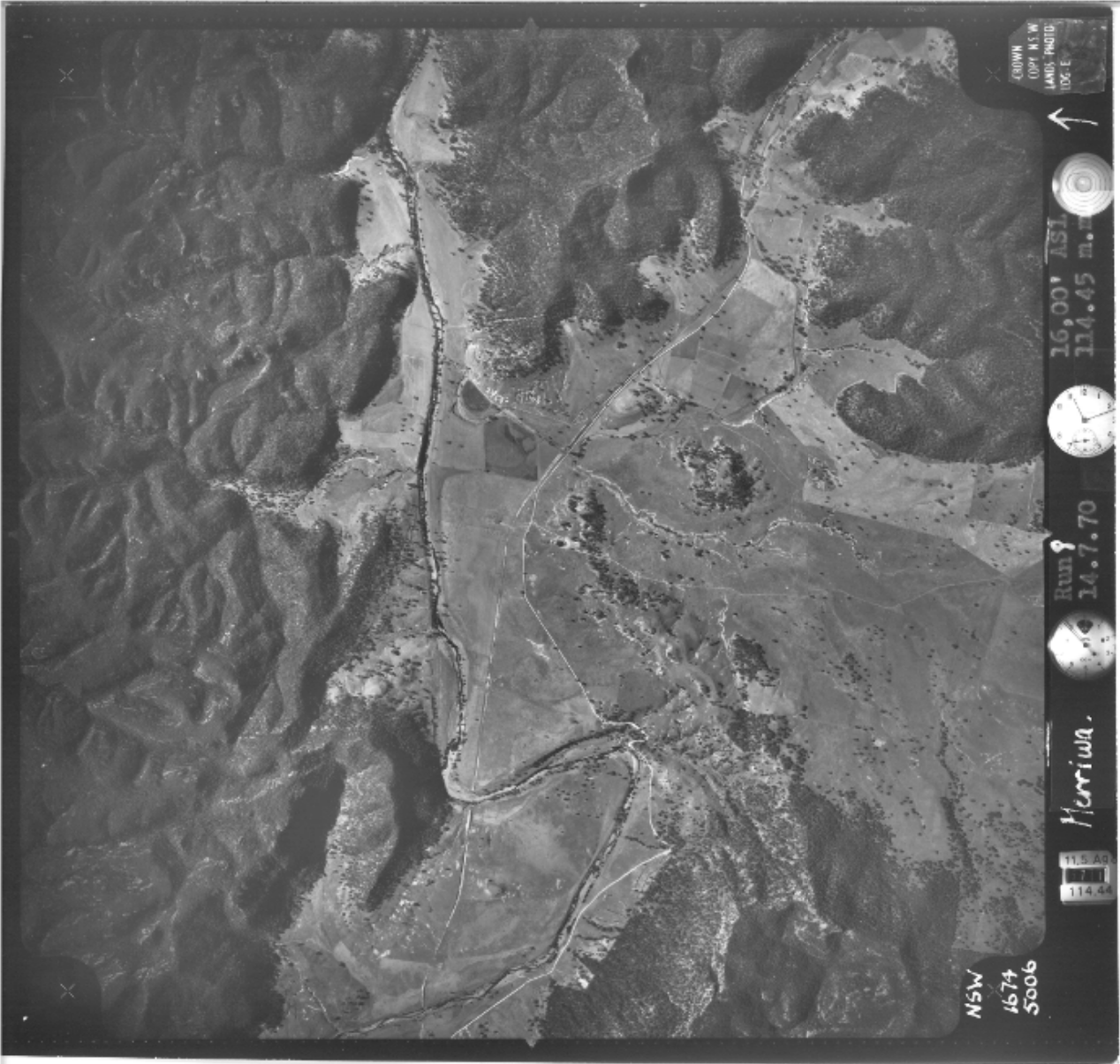


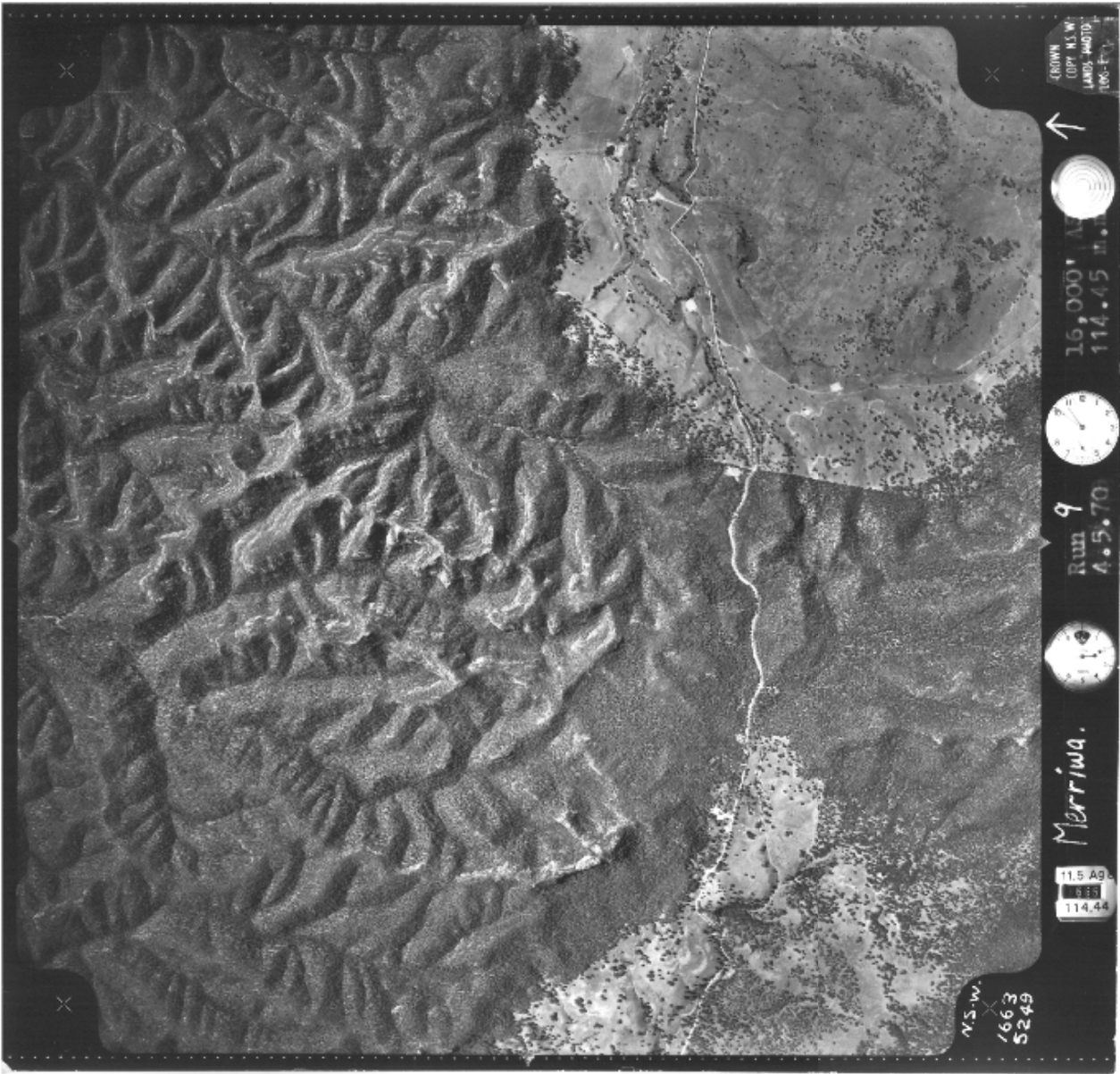


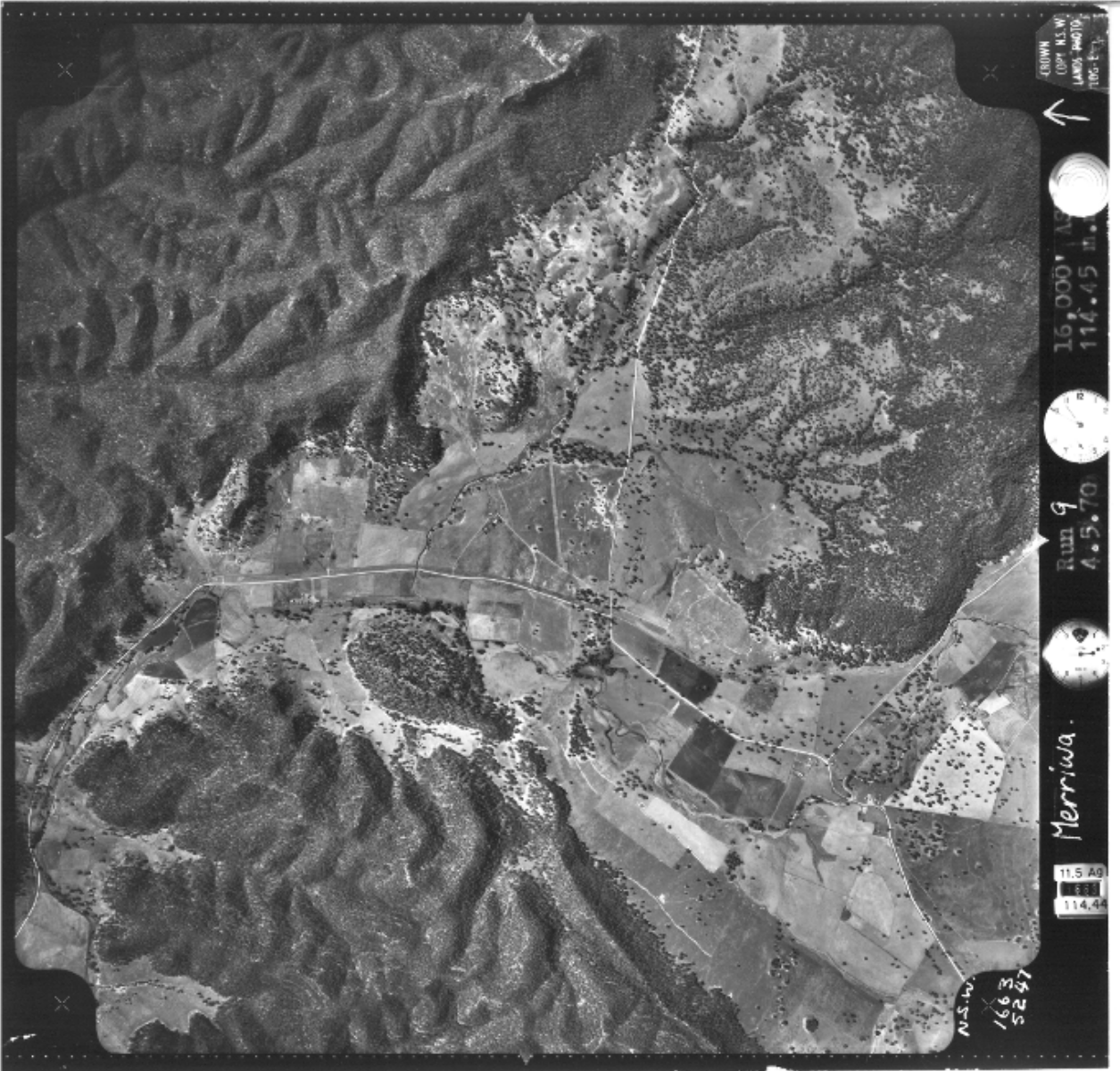
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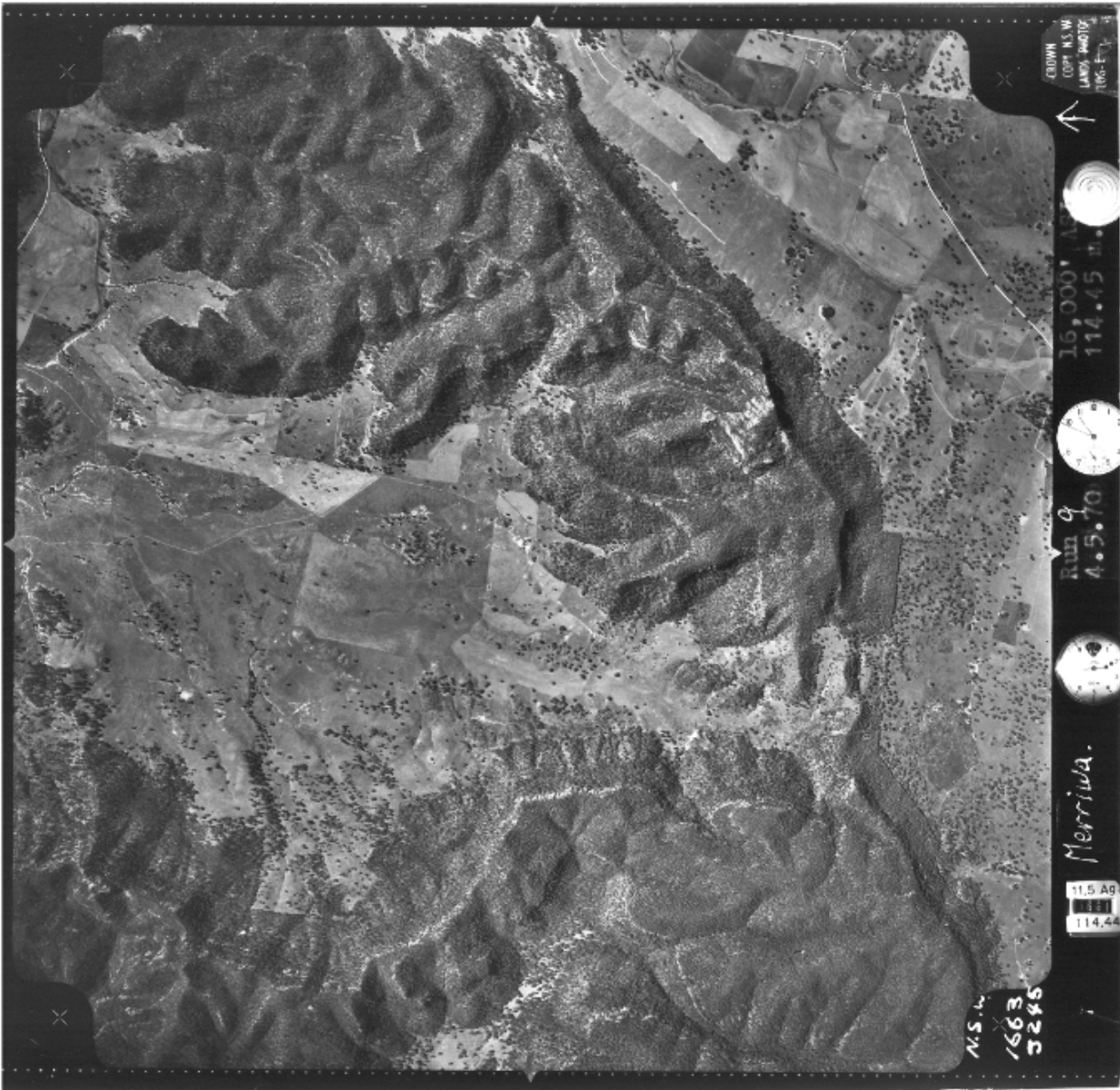


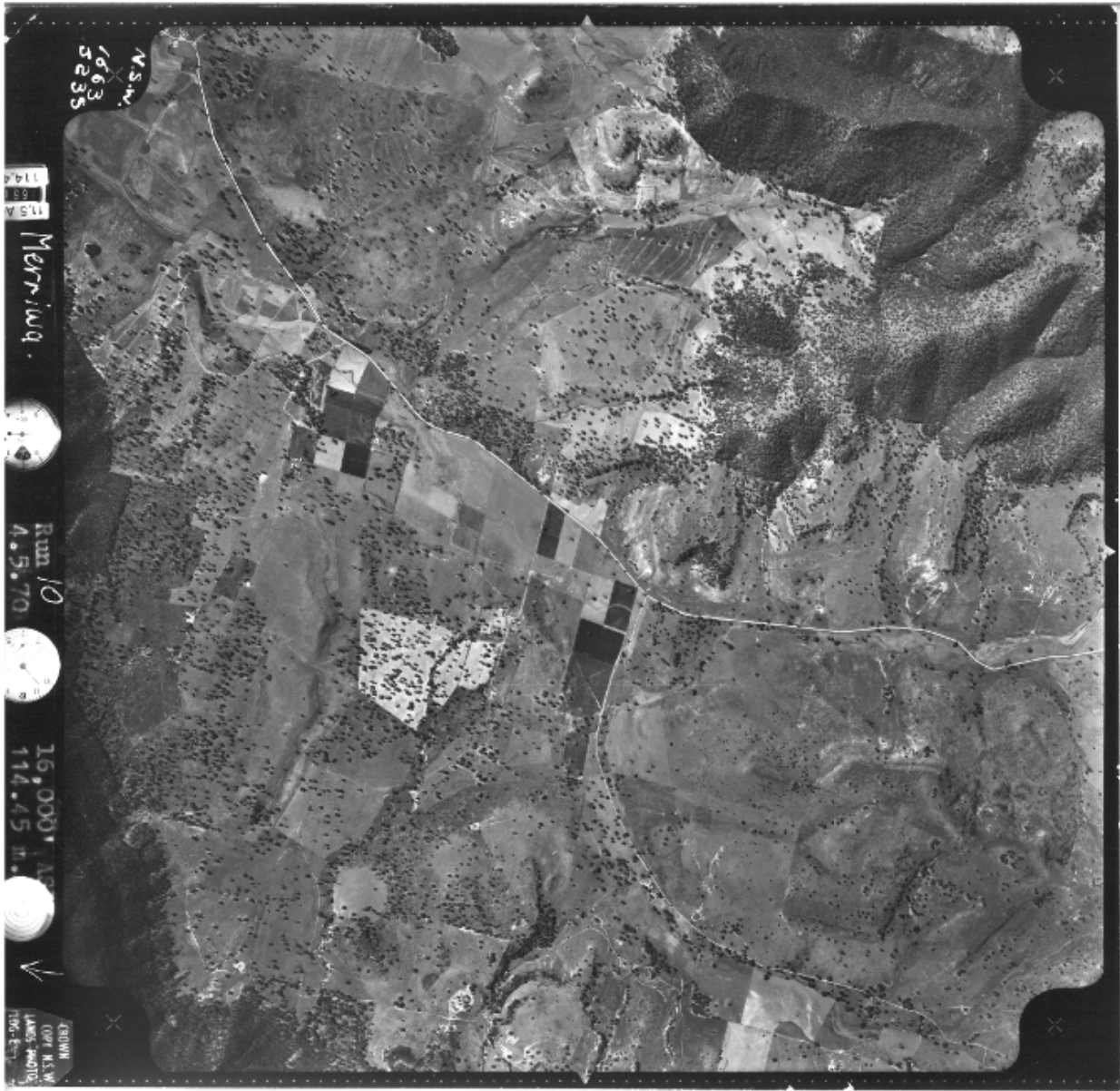


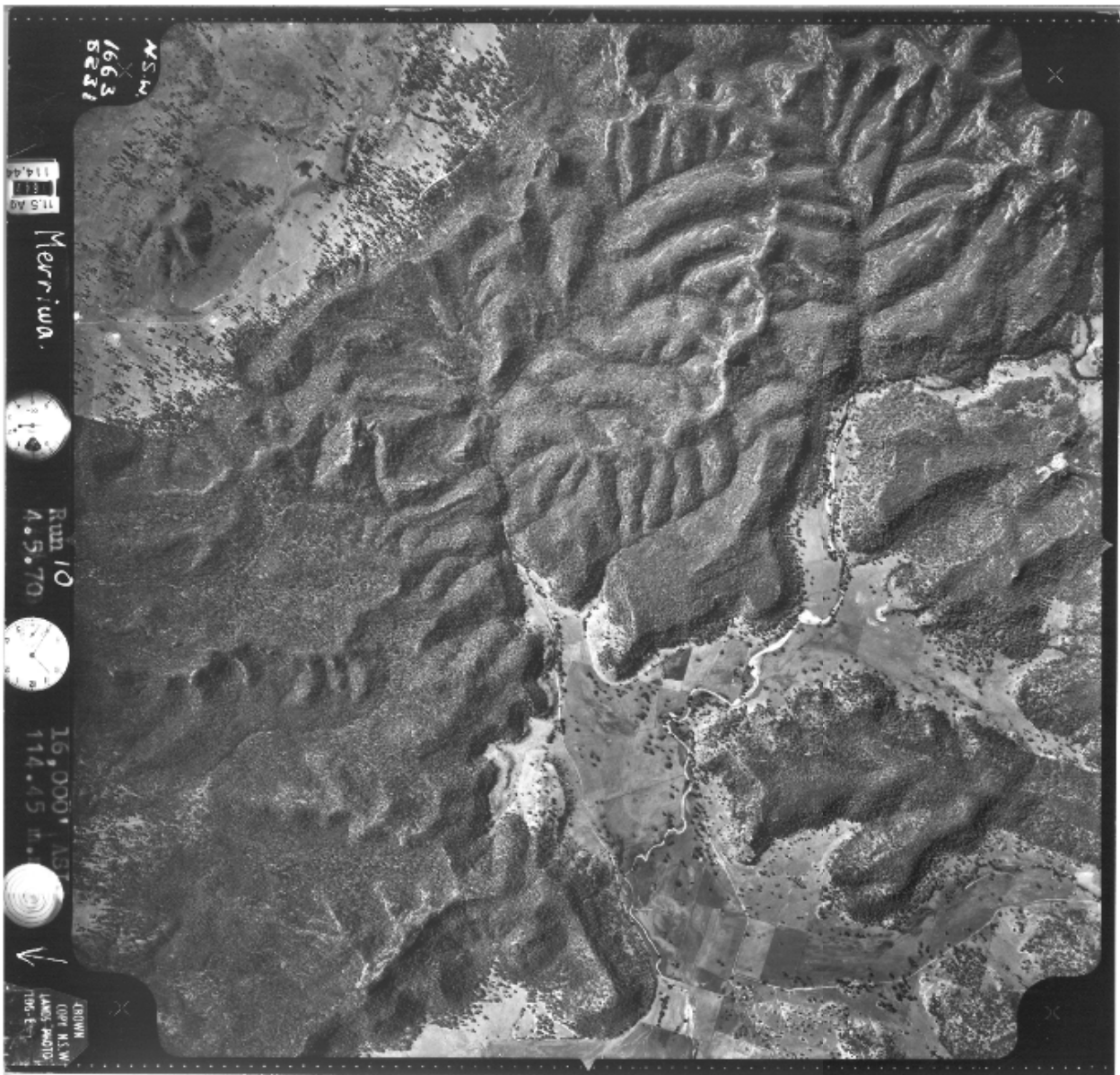


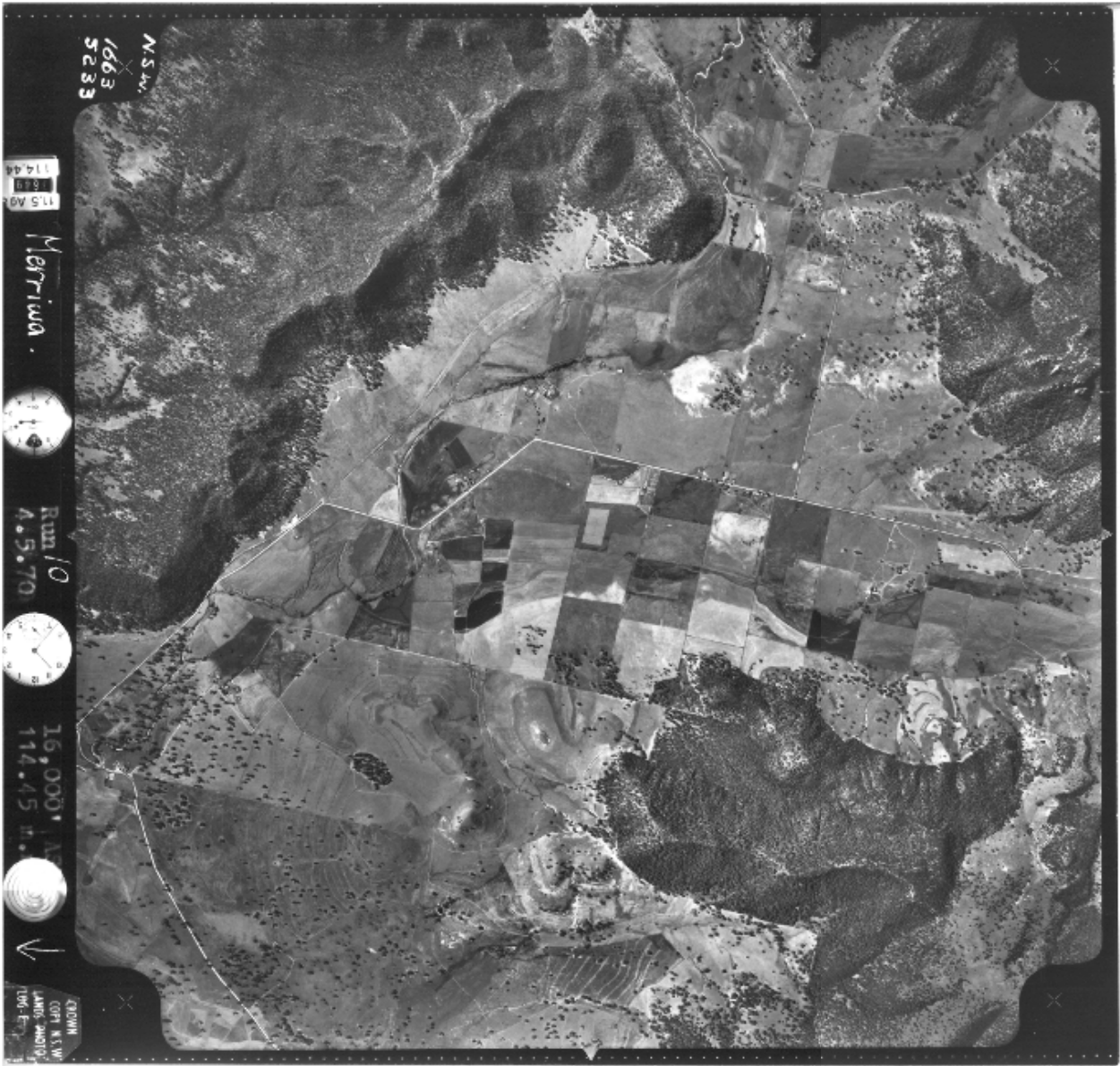


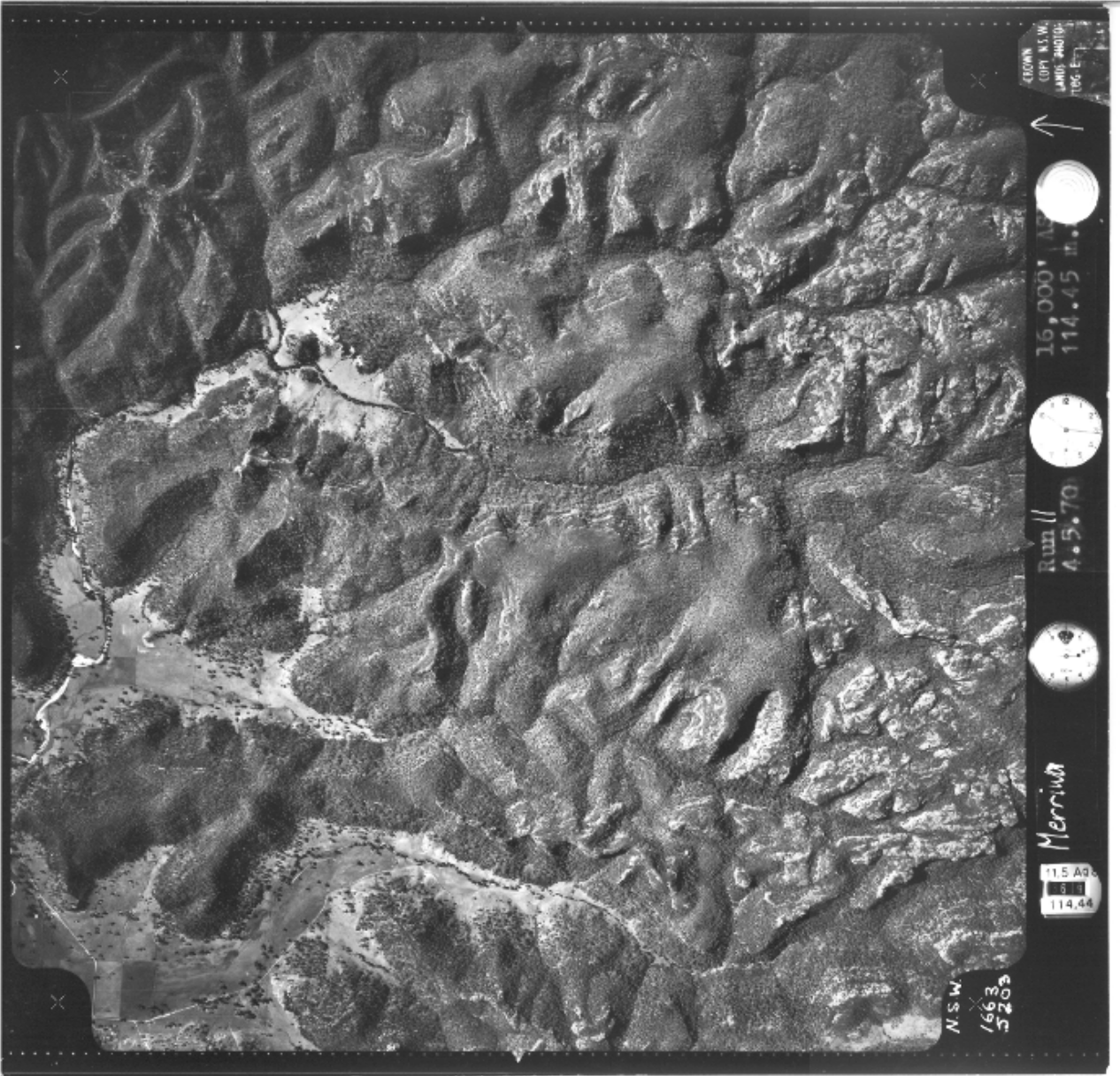


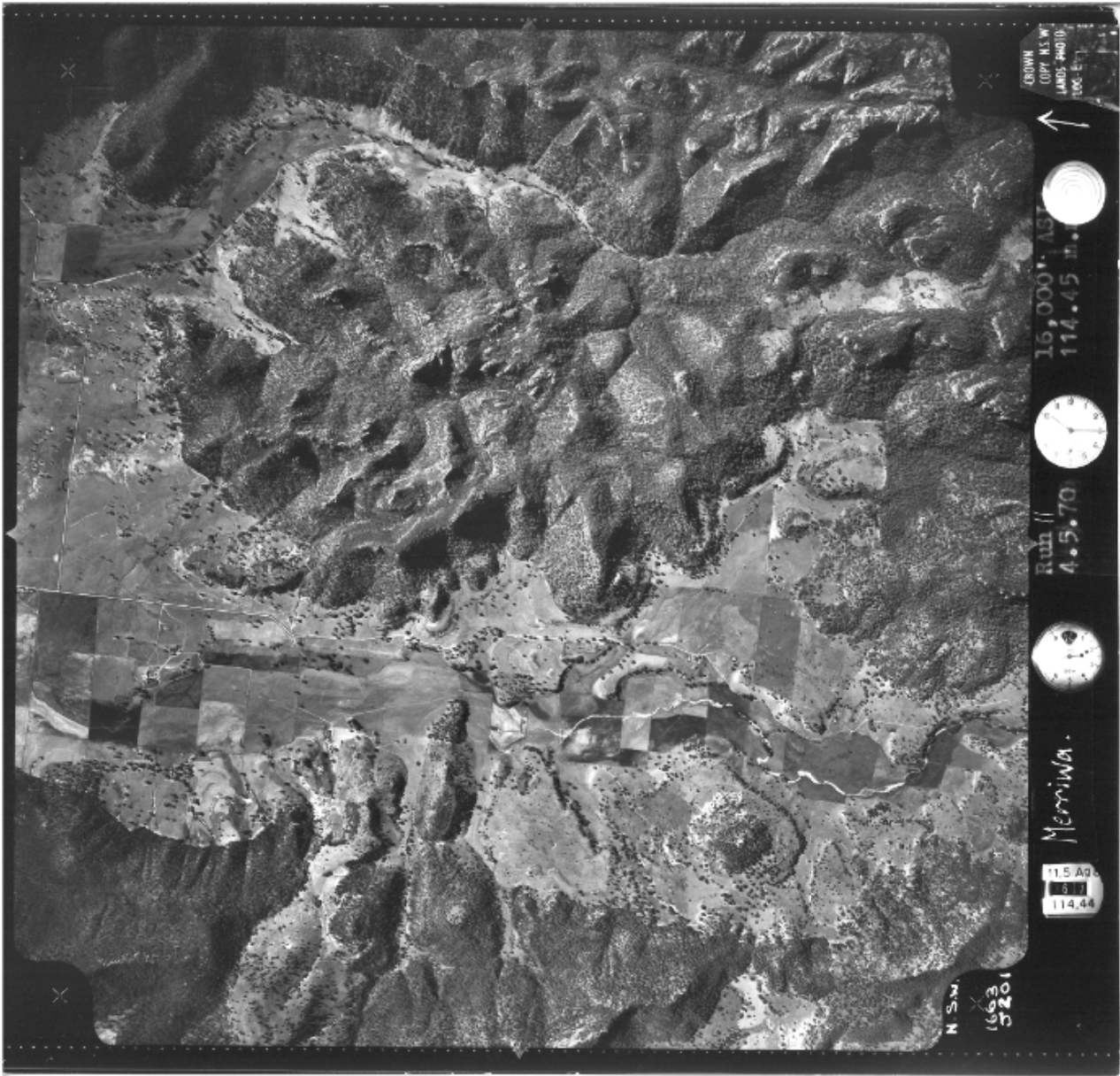


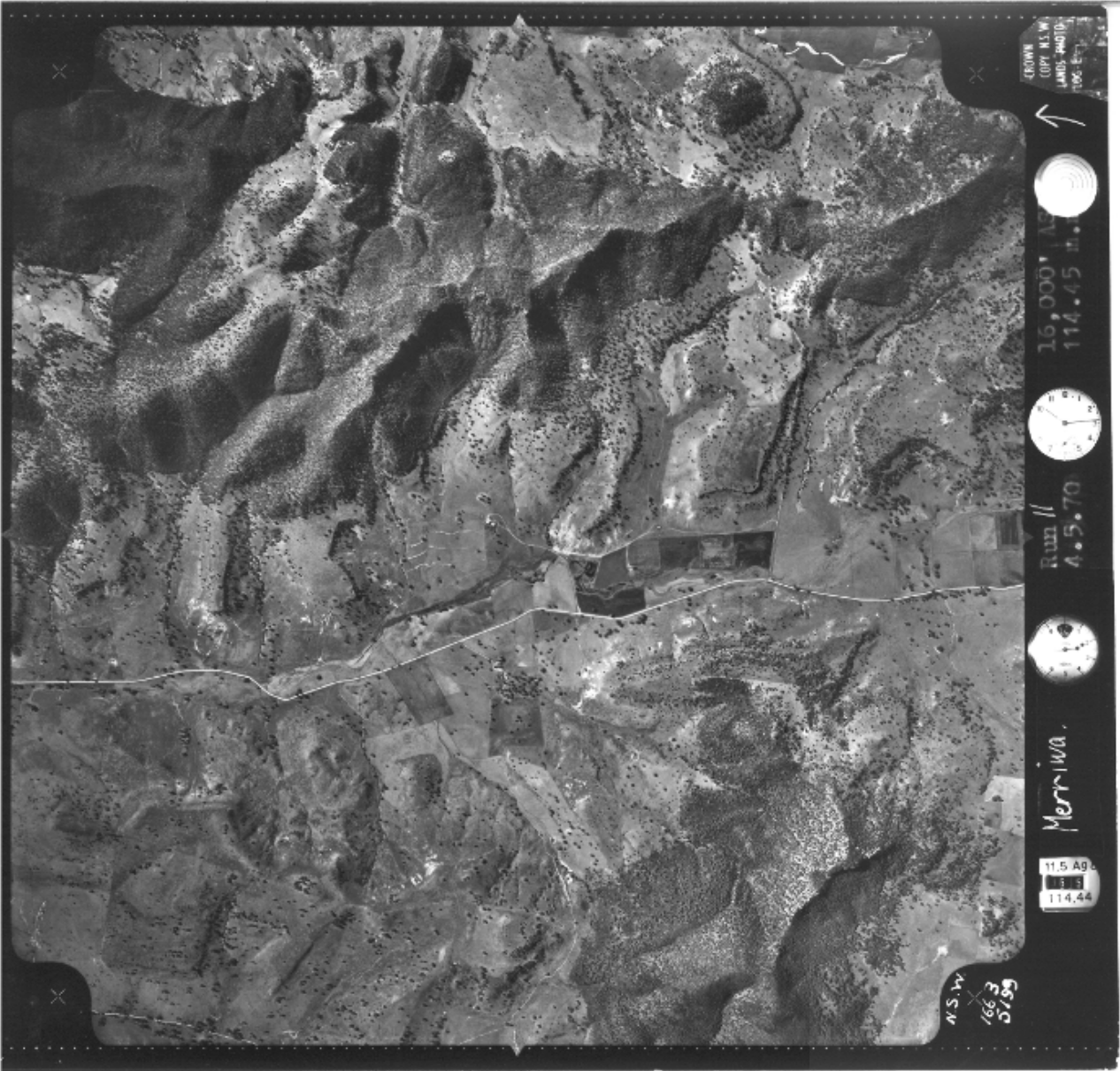


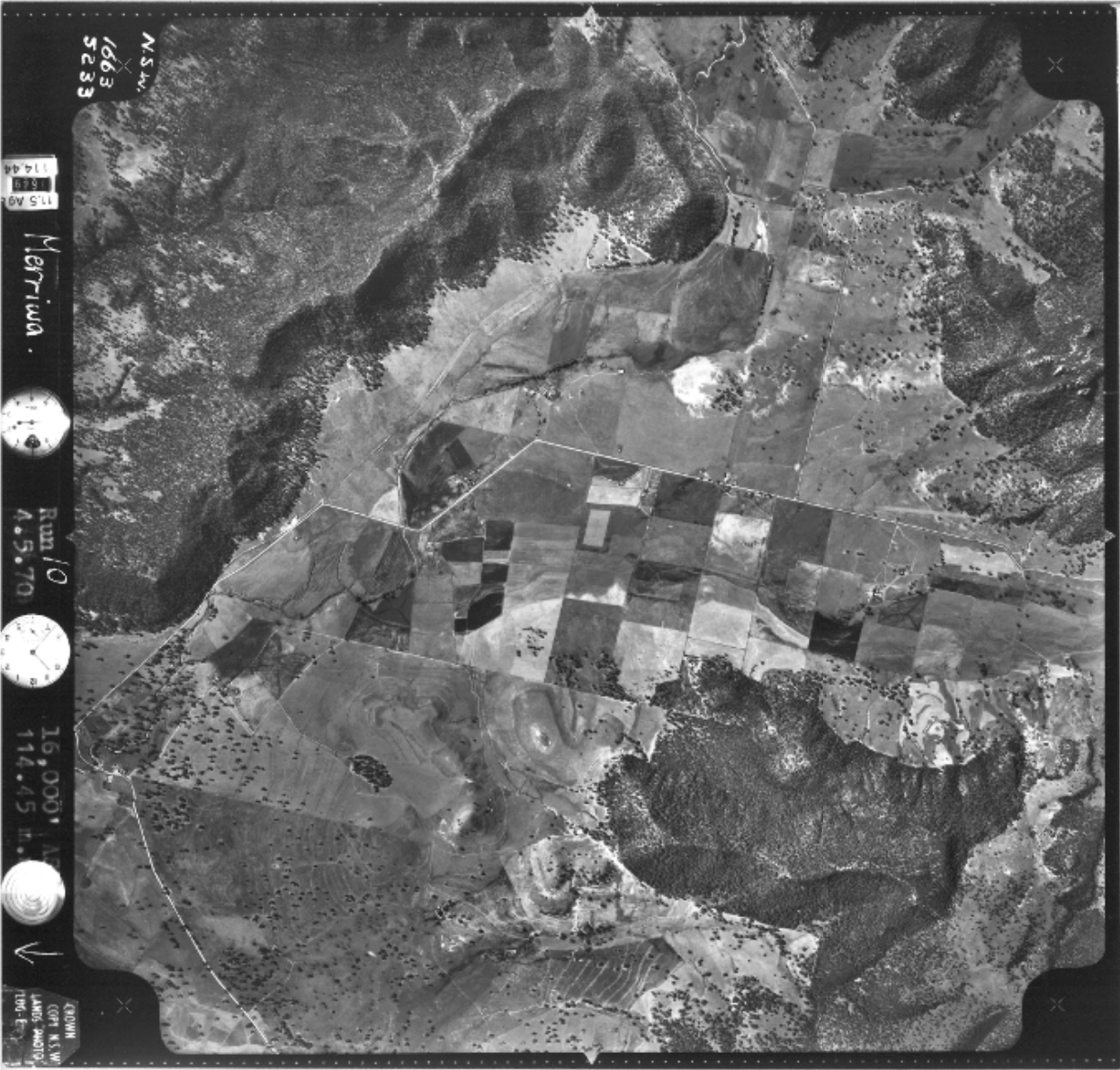






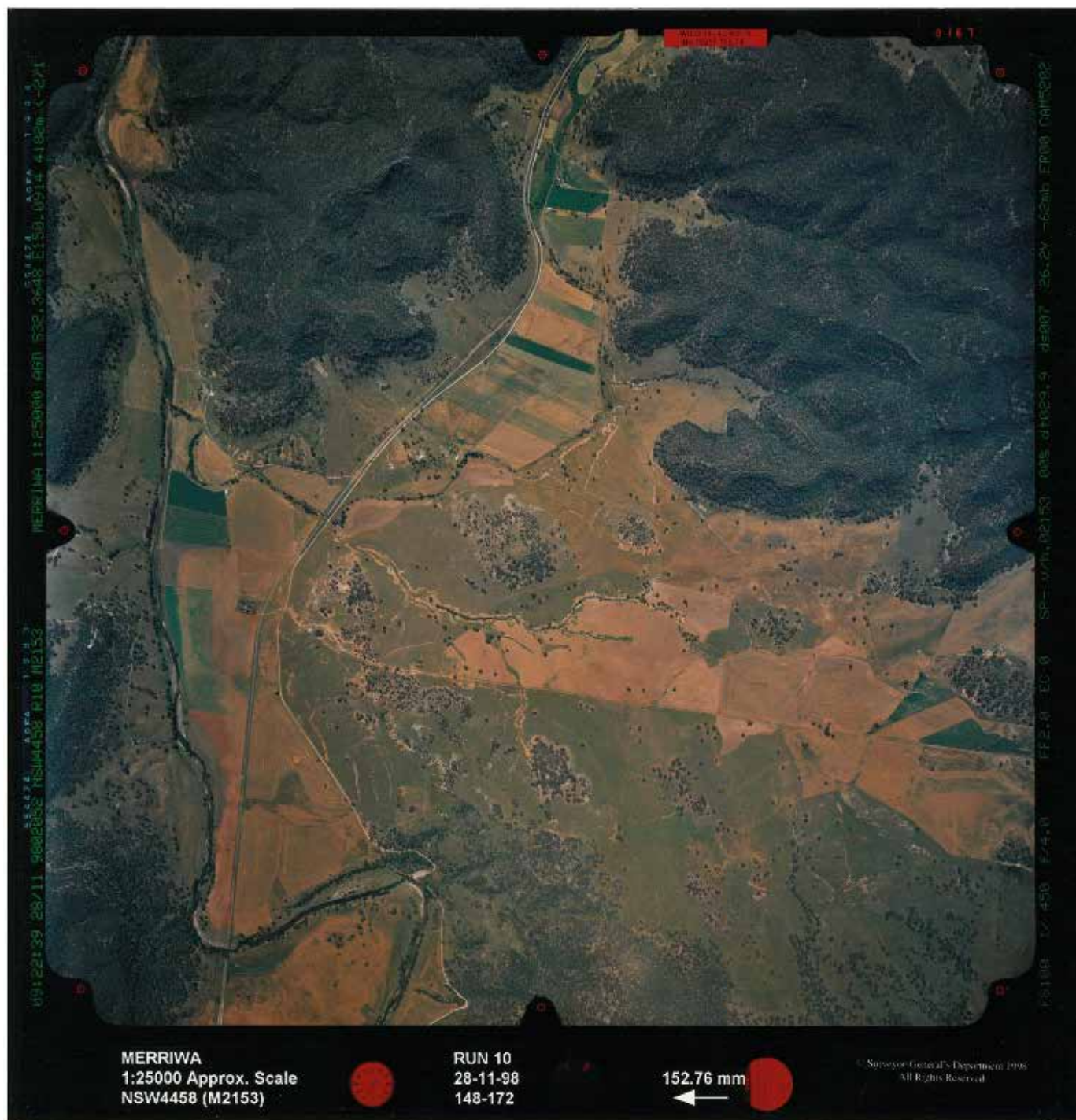


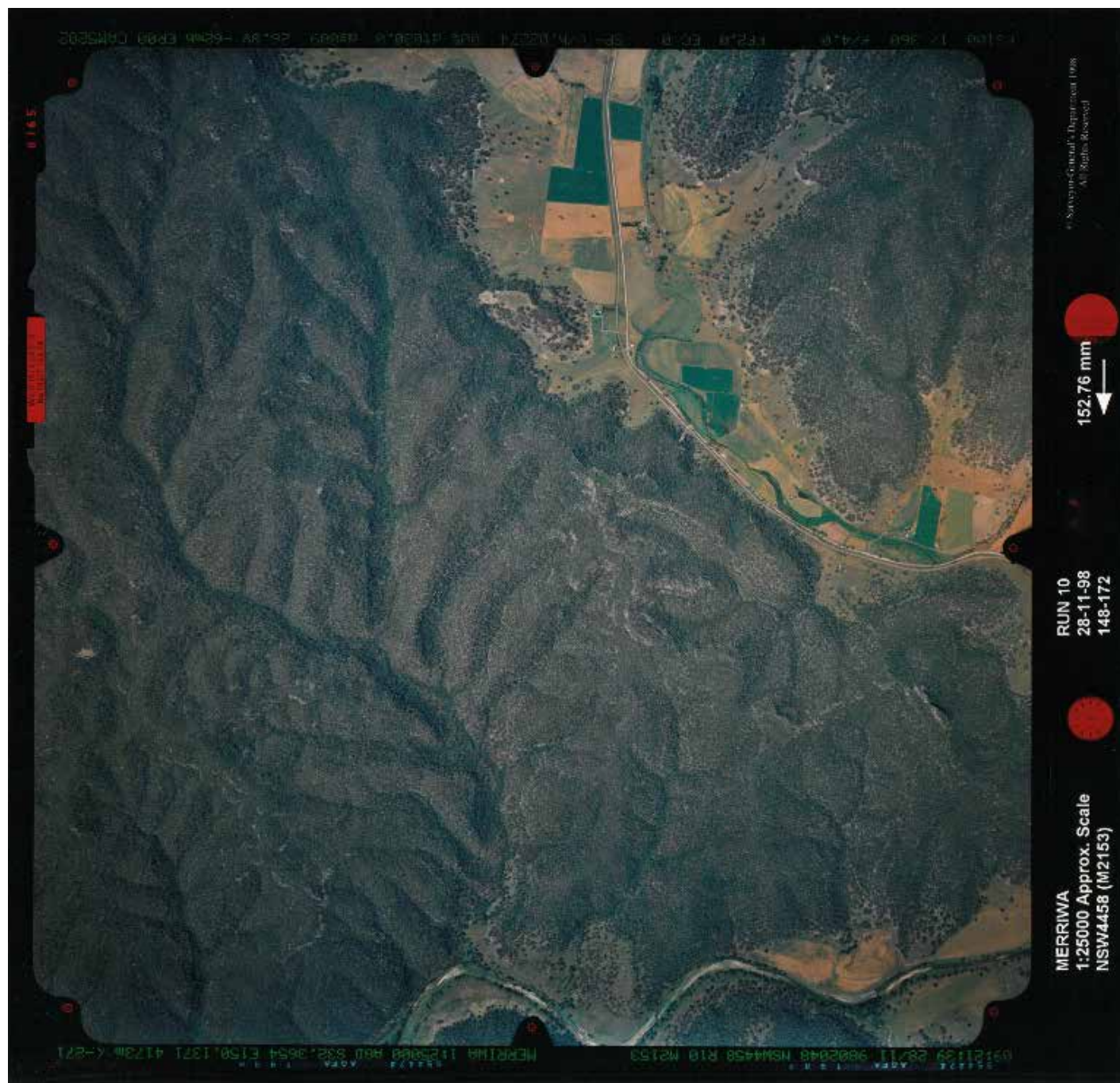






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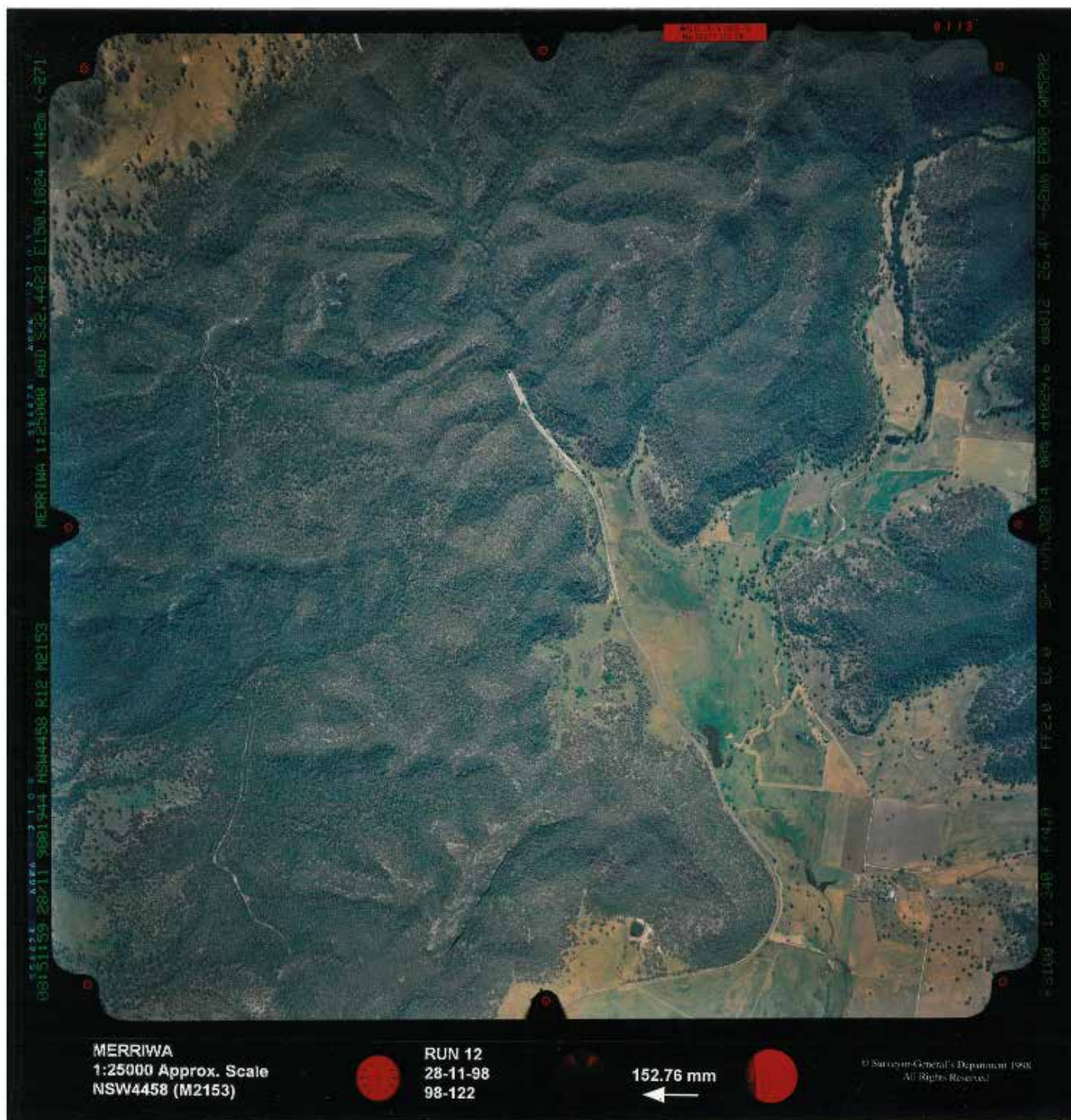




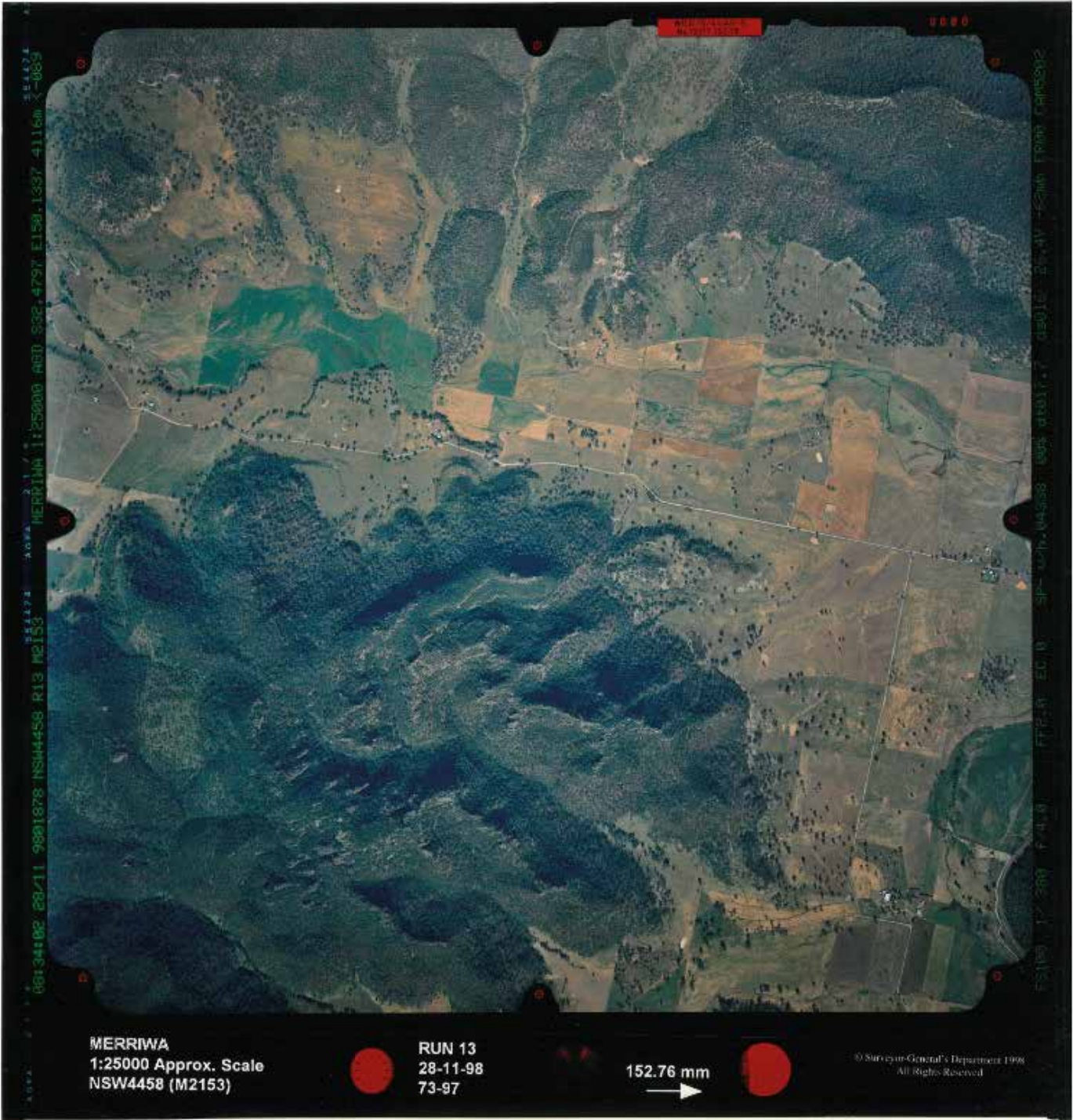










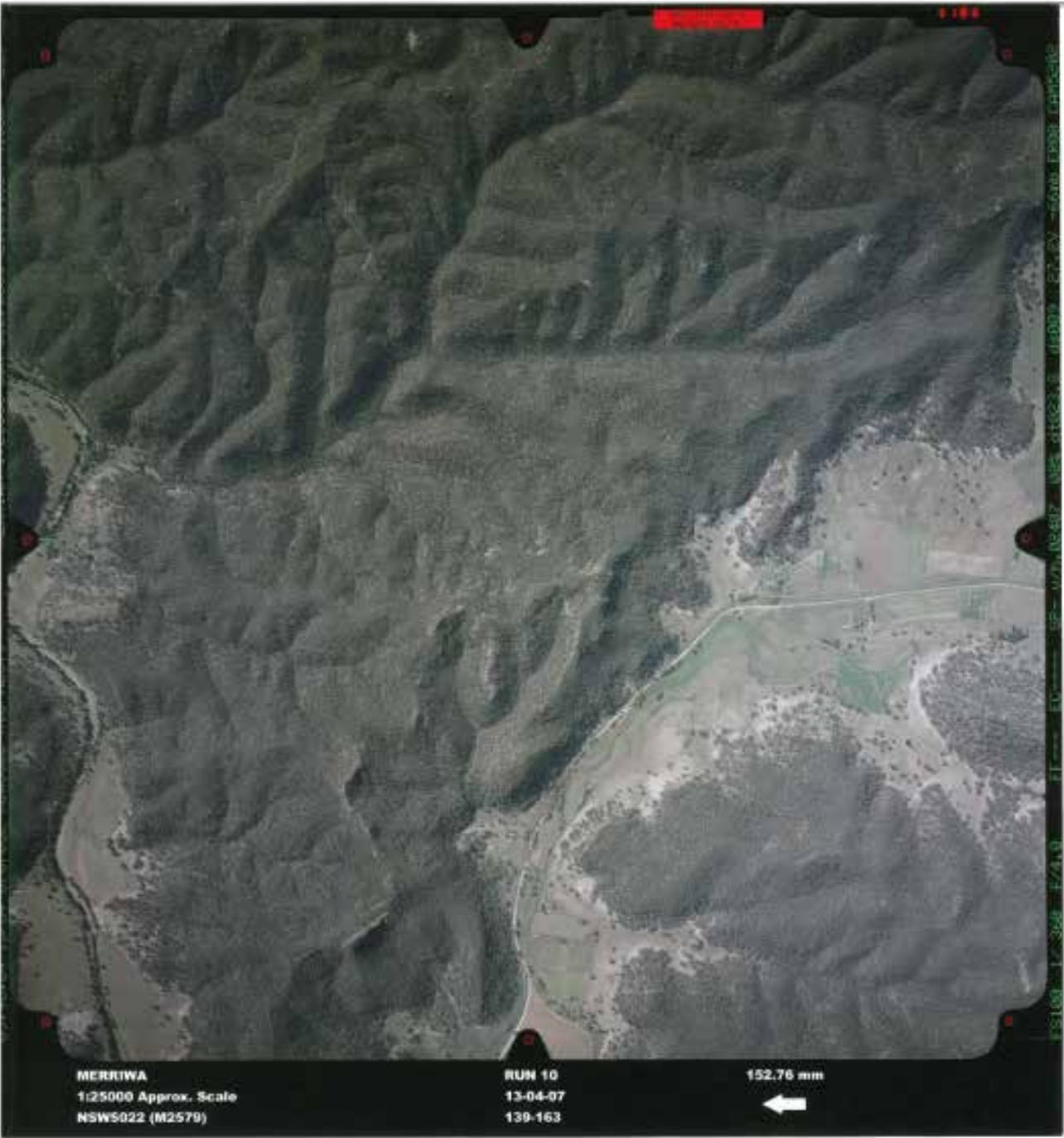




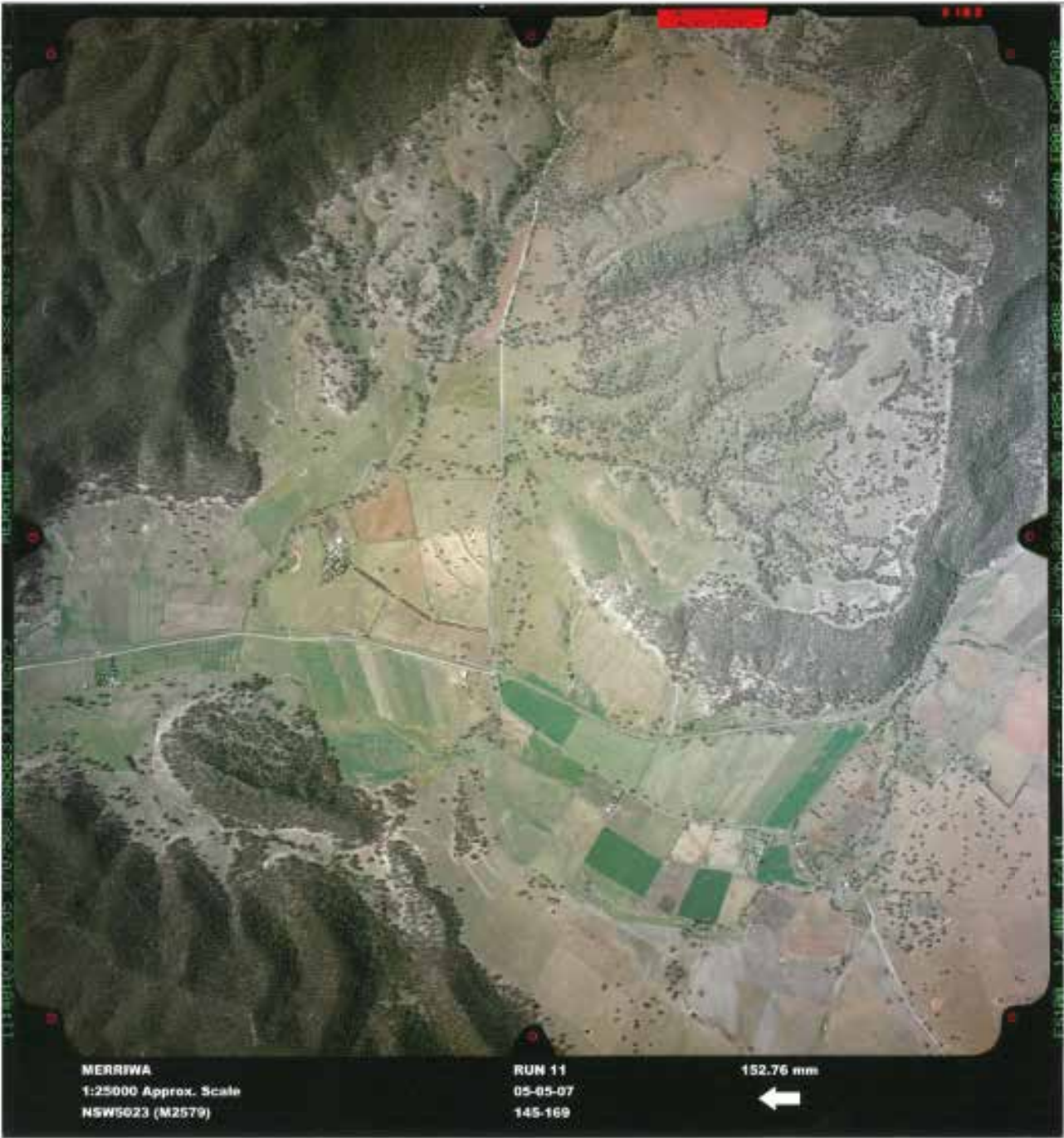


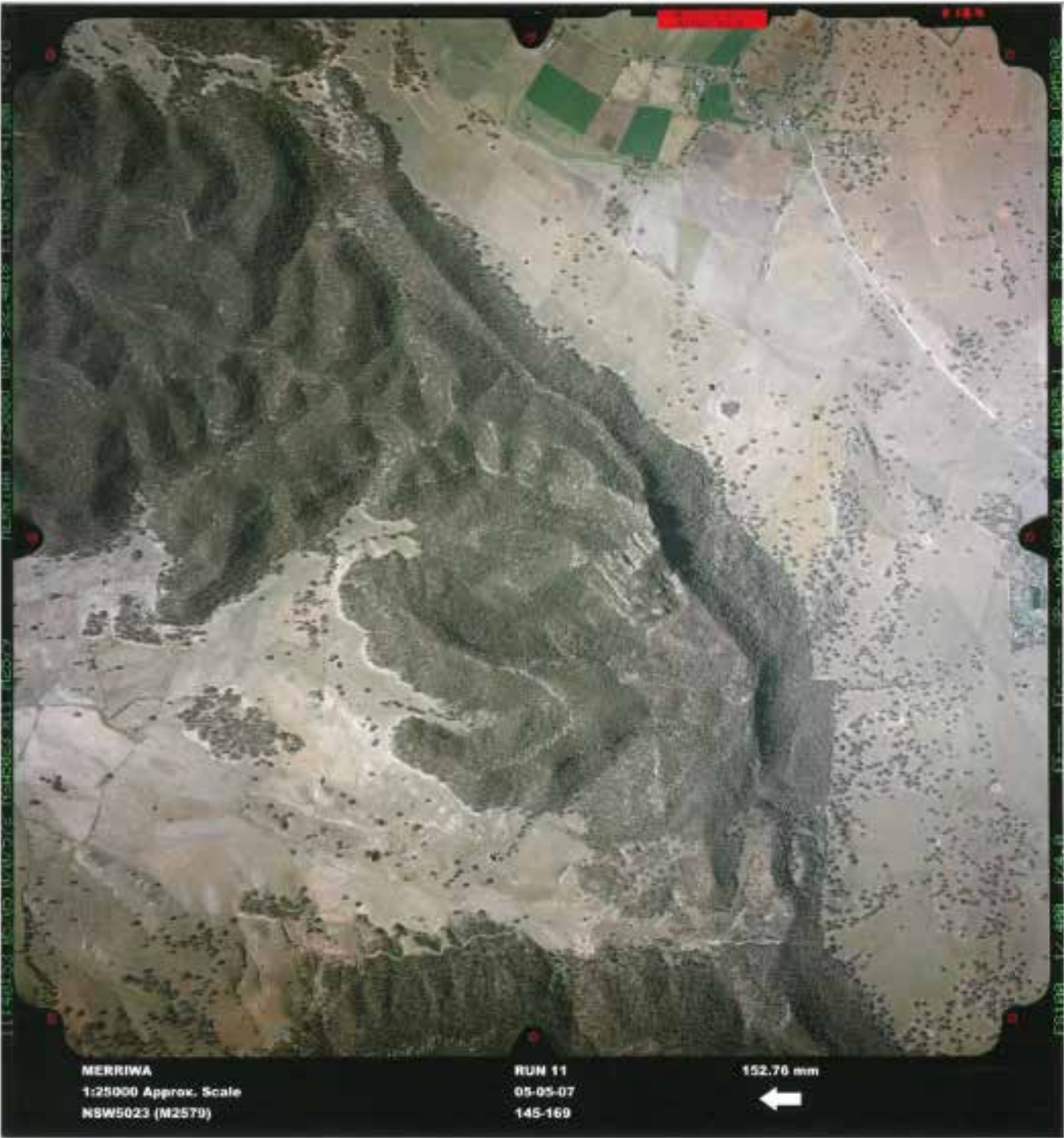
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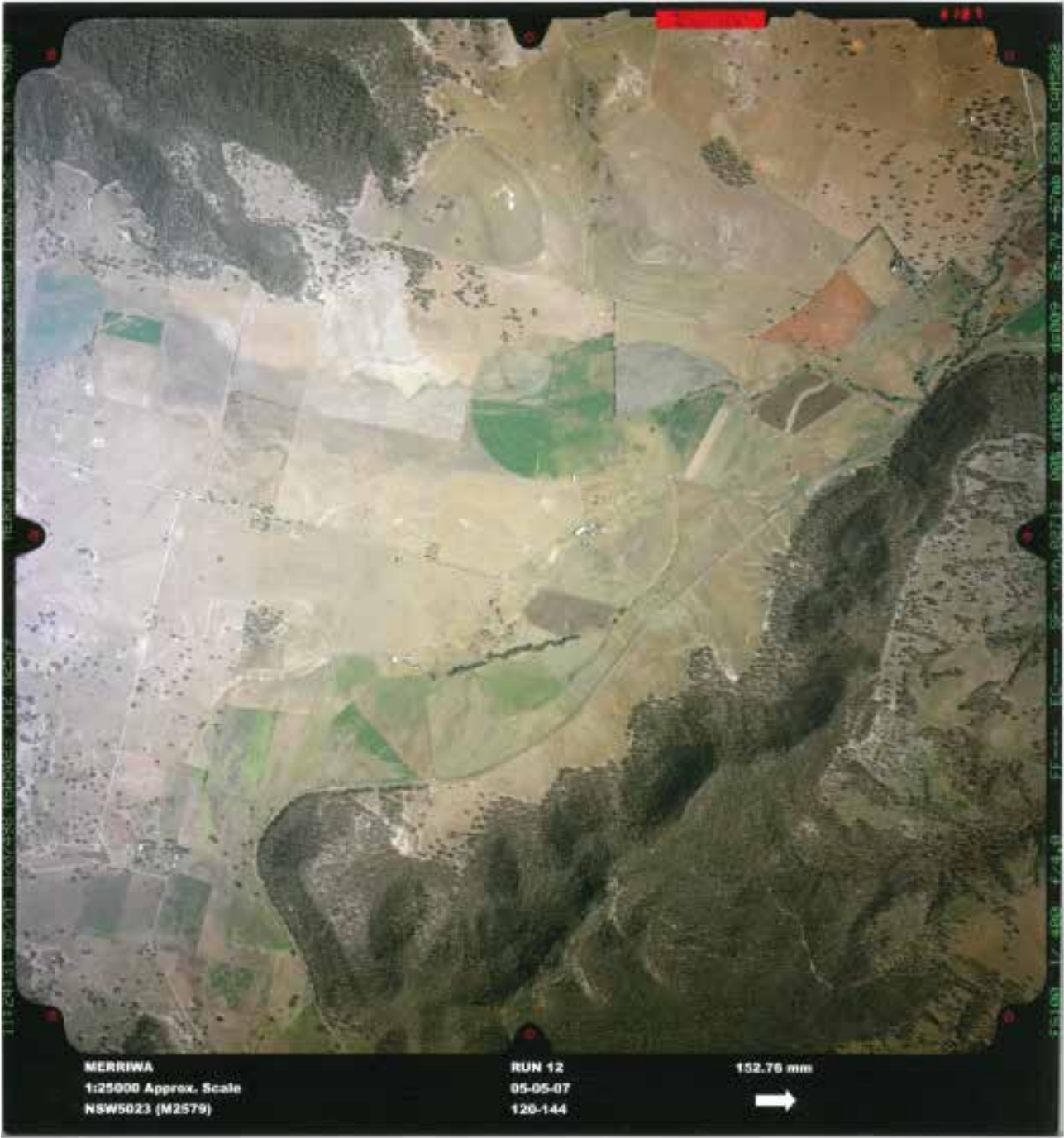










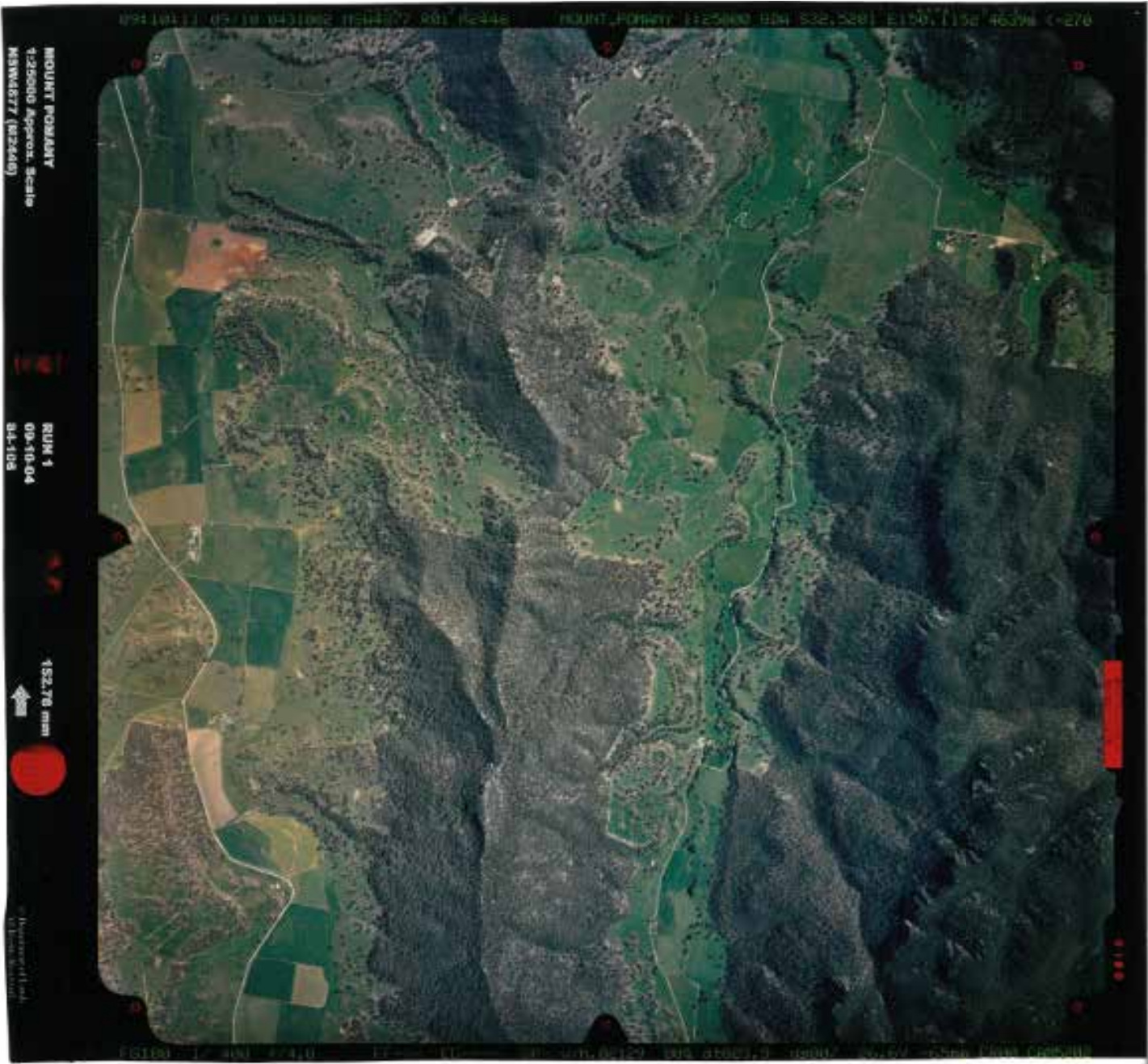
















Appendix G

Print Gallery

PRINT GALLERY



Print 1
Valley View– external walls are ACM.



Print 2
Typical Soil Sampling Site with red brown loamy soils (S1).

PRINT GALLERY



Print 3
Typical Soil Sampling Site with red brown sandy loams (S23).



Print 4
Typical Soil Sampling Site with dark brown loam (S27)

PRINT GALLERY



Print 5
Water Storage on the North portion of Tarwyn Park.



Print 6
The Dump/Storage site on the northern portion of Tarwyn Park.

PRINT GALLERY



Print 7
The Dump/Storage Area on the northern portion of Tarwyn Park.



Print 8
The Dump/Storage area in the northern portion of Tarwyn Park.

PRINT GALLERY



Print 9
The Dump/Storage area in the northern portion of Tarwyn Park.



Print 10
Dumped materials within a gully to the south of the dump/ storage area in the northern portion of Tarwyn Park.

PRINT GALLERY



Print 11

Dumped materials within a gully to the south of the dump/ storage area in the northern portion of Tarwyn Park.



Print 12

Rail Ballast adjoining the railway line in the northern portion of Tarwyn Park

PRINT GALLERY



Print 13
The Rail Crossing.



Print 14
Crops and long grass areas typical of paddocks within the Project Boundaries.

PRINT GALLERY



Print 15
Part of the accommodation area.



Print 16
Part of the accommodation area.

PRINT GALLERY



Print 17
Tarwyn Park Homestead.



Print 18
One of the Tarwyn Park Sheds with ACM.

PRINT GALLERY



Print 19

Tarwyn Park Hay Shed and one of the above ground diesel storage tanks.



Print 20

A former dwelling (Sunny Side) used to stand in front of the Hay Shed.

PRINT GALLERY



Print 21
The fibro cottage adjoining Upper Bylong School.



Print 22
Dwelling opposite the school within the Eastern Open Cut Mining Area. Likely to contain asbestos within the wet areas of the dwelling.

PRINT GALLERY



Print 23

Wallings Property Homestead. The adjoining small cottage is fibro clad.



Print 24

Valley View property appears to be fibro-clad.

PRINT GALLERY



Print 25

The cottage on 327 Wooleys Road appears to have fibro clad walls.



Print 26

The General Store on Bylong Valley Way.

PRINT GALLERY



Print 27

The waste transfer station on the edge of the Project Boundary.

Appendix H

Section 149 Certificates



PO BOX 156
MUDGEE NSW 2850

86 Market Street MUDGEE
109 Herbert Street GULGONG
77 Louisa Street RYLSTONE

Ph: 1300 765 002 or (02) 6378 2850

Fax: (02) 6378 2815

Email: council@midwestern.nsw.gov.au

PLANNING CERTIFICATE

Applicant:

David Lane Associates Pty Ltd
42b Church Street
MAITLAND NSW 2320

PLANNING CERTIFICATE UNDER SECTION 149 ENVIRONMENTAL PLANNING & ASSESSMENT ACT 1979

Certificate No.: PC0967/2014
Receipt No.: 314458
Date: 02 May 2014
Property No.: 20554
Customer Ref: 355 Upper Bylong

Owner (as recorded by Council):

Kepco Bylong Australia Pty Ltd
Suite 1301
141 Walker Street
NORTH SYDNEY NSW 2060

Property Address: Renfrew Park 355 Upper Bylong Road UPPER BYLONG NSW 2849

Property Description: Lot 2 DP 1146893

The Environmental Planning and Assessment Act 1997 commenced operation on the 1 July 1998. As a consequence of this Act the information contained in this certificate needs to be read in conjunction with the provisions of the Environmental Planning and Assessment (Amendment) Regulation 1998, Environmental Planning and Assessment (Further Amendment) Regulation 1998 and Environmental Planning and Assessment (Savings and Transitional Regulation 1998).

SECTION A: INFORMATION PROVIDED PURSUANT TO SECTION 149(2) OF THE ACT:

MID-WESTERN REGIONAL LOCAL ENVIRONMENTAL PLAN 2012

This planning instrument was published 10 August 2012 on the NSW Legislation website and applies to all the land within Mid-Western Region Local Government Area.

AMENDMENTS TO MID-WESTERN REGIONAL LOCAL ENVIRONMENTAL PLAN 2012

Amendment No.1 - Temporary Workers' Accommodation - Published 10 August 2012 on the NSW Legislation website

CURRENTLY THE LAND IS ZONED:

RU1 Primary Production

Note: where two or more zones appear the property is affected in part by each zone.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 2 of 7

LAND USE ZONING TABLE:

The following land use zoning table(s) apply to the land the subject of this Certificate.

Zone RU1 Primary Production

2 Permitted without consent

Environmental protection works; Extensive agriculture; Home businesses; Home occupations; Intensive plant agriculture; Roads; Water reticulation systems.

3 Permitted with consent

Building identification signs; Business identification signs; Cellar door premises; Dwelling houses; Extractive industries; Farm buildings; Home industries; Intensive livestock agriculture; landscaping material supplies; Markets; Open cut mining; Plant nurseries; Restaurants or cafes; Roadside stalls; Any other development not specified in item 2 or 4

4 Prohibited

Amusement centres; Attached dwellings; Backpackers' accommodation; Boarding houses; Boat building and repair facilities; Car parks; Child care centres; Commercial premises; Correctional centres; Crematoria; Educational establishments; Exhibition homes; Exhibition villages; Freight transport facilities; Group homes; Health services facilities; Heavy industrial storage establishments; Hostels; Industrial retail outlets; Industries; Marinas; Mortuaries; Multi dwelling housing; Passenger transport facilities; Places of public worship; Public administration buildings; Pubs; Recreational facilities (indoor); Registered clubs; Residential flat buildings; Respite day care centres; Restricted premises; Semi-detached dwellings; Seniors housing; Service stations; Sex services premises; Shops; Shop top housing; Signage; Storage premises; Transport depots; Truck depots; Vehicle body repair workshops; Vehicle repair stations; Warehouse or distribution centres; Wholesale supplies

SECTION B: OTHER PRESCRIBED INFORMATION PURSUANT TO SECTION 149(2) OF THE ACT

As at the date of this Certificate the following State Environmental Planning Policies, Development Control Plans, Directions under Environmental Planning and Assessment Act and other Special Provisions apply.

State Environmental Planning Policy (Affordable Rental Housing) 2009

This policy aims to facilitate the effective delivery of new affordable rental housing by providing incentives by way of expanded zoning permissibility, floor space ratio bonuses and non-discretionary development standards.

State Environmental Planning Policy BASIX 2004

The purpose of the SEPP is to encourage sustainable residential development. An application for a development consent, complying development certificate or construction certificate in relation to certain kinds of residential development must be accompanied by a list of commitments by the applicant as to the manner in which the development will be carried out, and the carrying out of residential development pursuant to the resulting development consent, complying development certificate or construction certificate will be subject to a condition requiring such commitments to be fulfilled.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979****Page No. 3 of 7**State Environmental Planning Policy (Exempt and Complying Development Codes) 2008

The aim of this policy is to provide streamlined development processes for development that complies with specific development standards.

It identifies exempt and complying development codes that have state wide application including the General Exempt Development Code, the General Housing Code, Housing Internal Alterations Code and General Commercial and Industrial Code.

State Environmental Planning Policy (Infrastructure) 2007

The aim of this policy is to facilitate the effective delivery of infrastructure across the state and repeals a number of other previous SEPP's.

It provides development controls related to air transport, correctional centres, educational establishments, electricity generating works, electricity transmission and distribution, flood mitigation, forestry, emergency services facilities, gas transmission or distribution, health services facilities, housing and group homes and many other facilities.

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This policy is to ensure that suitable provision is made for ensuring safety of persons using temporary structures and encourage the protection of the environment at such locations.

State Environmental Planning Policy (Rural Lands) 2008

The aim of this policy is to facilitate the orderly and economic use and development of rural lands for rural and related purposes.

It identifies rural planning principles and rural subdivision principles, will implement measures designed to reduce land use conflict, identifies state significant agricultural land and amends provisions of other environmental planning instruments relating to concessional lots in rural subdivisions.

SEPP (Mining, Petroleum Production and Extractive Industries) 2007

The SEPP consolidates and updates many existing planning provisions related to mining, petroleum production and extractive industries as well as introducing new provisions to ensure that potential environmental and social impacts are adequately addressed during the assessment and determination of development proposals.

SEPP No 15 - 9 April 1998 - Rural Landsharing Communities

This Policy aims to encourage and facilitate development of rural landsharing communities to collectively manage land in an environmentally sensitive and sustainable manner and to provide for low cost housing. The Policy establishes criteria for rural landsharing community development, matters for Council consideration, environmental considerations, site analysis and management requirements for development proposed under the Policy.

SEPP No 21 - Moveable Dwellings and as Amended 24 April 1982 - Caravan Parks

This Policy outlines requirements for development consent principally in relation to long term use of sites in caravan parks and for subdivision by long leases.

Development Consent is not required for installation or placement of moveable dwellings on sites in lawfully operating caravan parks.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 4 of 7

SEPP No 30 - 8 December 1989, Amended 28 August 1993, 24 February 1995 and 11 June 1999 - Intensive Agriculture

This Policy requires development consent for cattle feedlots having a capacity of 50 or more head of cattle, piggeries having a capacity of 200 or more pigs or 20 or more breeding sows. This Policy also aims to extend the definition of the term "rural industry" where used in environmental planning instruments so as to include within the meaning of that term composting facilities and works, including facilities and works for the production of mushroom substrate.

SEPP No 33 - 13 March 1992 - Hazardous and Offensive Development

This Policy redefines hazardous and offensive developments and specifies that such proposals be advertised, be well documented and that Council consider any measures taken to mitigate their impact.

SEPP No 36 - 16 July 1993 - Manufactured Homes Estates

This Policy aims to facilitate the establishment of well designed and properly serviced manufactured home estates in suitable locations as an alternative to traditional housing.

SEPP No 44 - Koala Habitat Protection

This Policy aims to encourage the proper conservation and management of areas of natural vegetation that provide habitat for koalas.

The Policy applies to all land with an area of more than one hectare to which a Development Application has been made.

SEPP No 55 - Remediation of Land

This Policy aims to promote the remediation of contaminated land for the purpose of reducing the risk of harm to human health or any other aspect of the environment. The Policy applies to the whole state, to ensure that remediation is permissible development and is always carried out to a high standard. It specifies when consent is required for remediation and lists considerations that are relevant when rezoning land and determining development applications.

SEPP No 62 - Sustainable Aquaculture

The aims and objectives of this Policy are to encourage sustainable aquaculture, including sustainable oyster aquaculture, in the State, namely, aquaculture development which uses, conserves and enhances the community's resources so that the total quality of life now and in the future can be preserved and enhanced.

SEPP No 64 - Advertising Signage

This Policy provides controls which will improve the quality of outdoor advertising and our environment.

State Environmental Planning Policy (State and Regional Development) 2011

The purpose of the SEPP is to identify development that is State significant development, State significant infrastructure and critical State significant infrastructure. It also confers functions on joint regional planning panels to determine development applications.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979****Page No. 5 of 7**State Environmental Planning Policy (Major Projects) 2005

The purpose of the SEPP is to facilitate the development, redevelopment or protection of urban, coastal and regional sites of economic, environmental or social significance to the State. It identifies development to which the development assessment and approval process under Part 3A of the Act applies and also development that is critical infrastructure for the purposes of Part 3A of the Act.

Mid-Western Regional Development Control Plan 2013

This plan provides guidelines for all types of development within the Mid-Western Regional Council Local Government Area. It replaces all of the separate Development Control Plans and includes standards for Residential, industrial, commercial, wind farm, temporary workers accommodation, signage and other forms of development.

Land Not Within Conservation Area

The land the subject of this Certificate is not within a Heritage Conservation Area as identified in the Mid-Western Regional LEP 2012.

Not an Item of Environmental Heritage

The land the subject of this certificate is not identified in Schedule 5 of the Mid-Western Regional LEP 2012 as an item of Environmental Heritage.

Dwelling Houses - RU1 Primary Production Zone

Mid-Western Regional Local Environmental Plan (LEP) 2012 specifies a minimum lot size of 100 hectares for the erection of a dwelling in this zone. Please note that there may be other provisions in the LEP that may apply if the land does not meet the minimum allotment size.

Approval must be obtained either through the Development Application or Complying Development Certificate process prior to the erection of a dwelling on this land.

The Land is Not Subject to Road Widening

Council's records indicate that the land the subject of this Certificate is NOT affected by any road widening or road re-alignment under:

- 1) Division 2 of the Roads Act, 1993;
- 2) Section 262 of the former Local Government Act, 1919;
- 3) Any Environmental Planning Instrument
- 4) Any resolution of Council.

Coastal Protection

Council has not been notified, by the Department of Public Works, that the land the subject of this Certificate is affected by the operation of Section 38 or 39 of the Coastal Protection Act, 1979.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 6 of 7

Risk of Land Slip or Subsidence

No information available re land slip or subsidence. Land is not within a Proclaimed Mine Subsidence District.

Identified Critical Habitat

The land the subject of this Certificate does not contain any identified critical habitats.

No Acquisition by Public Authority

The land the subject of this certificate is NOT subject to acquisition by a public authority under a planning scheme or a draft planning instrument.

State Significant Development - Land is not Subject

The land the subject of this Certificate is not the subject of an order by the Minister for Planning and Infrastructure regarding State Significant development pursuant to Section 89C(3).

SEPP (Exempt & Complying Development Codes) 2008

Complying Development may be carried out on this land under the State Environmental Planning Policy SEPP (Exempt and Complying Development Codes) 2008.

Note: For land that is bushfire prone or a flood control lot MUST satisfy additional requirements of the SEPP (Exempt & Complying Development Codes) 2008. Please contact Council to discuss these requirements.

Section 94 Development Contributions Plan

Council's Section 94 Plan applies to future commercial/ retail/ industrial development within the Mudgee Town Centre and subdivision within the Mid-Western Regional Council Local Government Area. Contact Council's Planning Department for any queries regarding this matter.

Section 94A Development Contributions Plan

Council's Section 94A Plan applies to future commercial/ retail/ industrial/ tourism development outside of the Mudgee Town Centre and Residential Development within the Mid-Western Regional Council Local Government Area. Contact Council's Planning Department for any queries regarding this matter.

Land May be Subject to Flood Management Plan

The land the subject of this certificate is not within the Flood Risk Precincts identified by the Mudgee Floodplain Management Study. The provisions of the Floodplain Management Plan may also apply to land that is affected by localised flooding.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 7 of 7

Land is Bushfire Prone

The land the subject of this certificate is Bush Fire prone in accordance with the Environmental Planning and Assessment Act 1979 and Mid-Western Regional LGA Bush Fire Prone Land Map.

Any development application will require assessment in accordance with Sections 79C and 79BA of the Environmental Planning and Assessment Act 1979 or referral to the NSW Rural Fire Service in accordance with Section 91 of the Environmental Planning and Assessment Act 1979 as a Special Fire Protection Purpose. All development is required to comply with the provisions of "Planning for Bushfire Protection", prepared by the NSW Rural Fire Service, 2006.

For further information please contact
Planning & Development Section



SENIOR PLANNER/TEAM LEADER

Certificate No. 1492 813769

END OF 149 CERTIFICATE

Prospective buyers should consider requesting a Section 64 Certificate from Council. A Section 64 Certificate will provide information on current Weed Control Notices on the property and/or any debt on the land in relation to noxious weeds and their control. (These debts and outstanding notices remain with the property when sold and become the responsibility of the purchaser.)



PO BOX 156
MUDGEE NSW 2850

86 Market Street MUDGEE
109 Herbert Street GULGONG
77 Louee Street RYLSTONE

Ph: 1300 765 002 or (02) 6378 2850

Fax: (02) 6378 2815

Email: council@midwestern.nsw.gov.au

PLANNING CERTIFICATE

Applicant:

David Lane Associates Pty Ltd
42b Church Street
MAITLAND NSW 2320

**PLANNING CERTIFICATE UNDER
SECTION 149 ENVIRONMENTAL
PLANNING & ASSESSMENT ACT 1979**

Certificate No.: PC0968/2014

Receipt No.: 314464

Date: 02 May 2014

Property No.: 14177

Customer Ref: 401 Upper Bylong

Owner (as recorded by Council):

Kepco Bylong Australia Pty Ltd
Suite 1301
141 Walker Street
NORTH SYDNEY NSW 2060

Property Address: Tarwyn Park 401 Upper Bylong Road UPPER BYLONG NSW 2849

Property Description: Lot 2 DP 1094509

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**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 3 of 7

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This Policy aims to encourage and facilitate development of rural landsharing communities to collectively manage land in an environmentally sensitive and sustainable manner and to provide for low cost housing. The Policy establishes criteria for rural landsharing community development, matters for Council consideration, environmental considerations, site analysis and management requirements for development proposed under the Policy.

SEPP No 21 - Moveable Dwellings and as Amended 24 April 1982 - Caravan Parks

This Policy outlines requirements for development consent principally in relation to long term use of sites in caravan parks and for subdivision by long leases.

Development Consent is not required for installation or placement of moveable dwellings on sites in lawfully operating caravan parks.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 4 of 7

SEPP No 30 - 8 December 1989, Amended 28 August 1993, 24 February 1995 and 11 June 1999 - Intensive Agriculture

This Policy requires development consent for cattle feedlots having a capacity of 50 or more head of cattle, piggeries having a capacity of 200 or more pigs or 20 or more breeding sows. This Policy also aims to extend the definition of the term "rural industry" where used in environmental planning instruments so as to include within the meaning of that term composting facilities and works, including facilities and works for the production of mushroom substrate.

SEPP No 33 - 13 March 1992 - Hazardous and Offensive Development

This Policy redefines hazardous and offensive developments and specifies that such proposals be advertised, be well documented and that Council consider any measures taken to mitigate their impact.

SEPP No 36 - 16 July 1993 - Manufactured Homes Estates

This Policy aims to facilitate the establishment of well designed and properly serviced manufactured home estates in suitable locations as an alternative to traditional housing.

SEPP No 44 - Koala Habitat Protection

This Policy aims to encourage the proper conservation and management of areas of natural vegetation that provide habitat for koalas.

The Policy applies to all land with an area of more than one hectare to which a Development Application has been made.

SEPP No 55 - Remediation of Land

This Policy aims to promote the remediation of contaminated land for the purpose of reducing the risk of harm to human health or any other aspect of the environment. The Policy applies to the whole state, to ensure that remediation is permissible development and is always carried out to a high standard. It specifies when consent is required for remediation and lists considerations that are relevant when rezoning land and determining development applications.

SEPP No 62 - Sustainable Aquaculture

The aims and objectives of this Policy are to encourage sustainable aquaculture, including sustainable oyster aquaculture, in the State, namely, aquaculture development which uses, conserves and enhances the community's resources so that the total quality of life now and in the future can be preserved and enhanced.

SEPP No 64 - Advertising Signage

This Policy provides controls which will improve the quality of outdoor advertising and our environment.

State Environmental Planning Policy (State and Regional Development) 2011

The purpose of the SEPP is to identify development that is State significant development, State significant infrastructure and critical State significant infrastructure. It also confers functions on joint regional planning panels to determine development applications.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 5 of 7

State Environmental Planning Policy (Major Projects) 2005

The purpose of the SEPP is to facilitate the development, redevelopment or protection of urban, coastal and regional sites of economic, environmental or social significance to the State. It identifies development to which the development assessment and approval process under Part 3A of the Act applies and also development that is critical infrastructure for the purposes of Part 3A of the Act.

Mid-Western Regional Development Control Plan 2013

This plan provides guidelines for all types of development within the Mid-Western Regional Council Local Government Area. It replaces all of the separate Development Control Plans and includes standards for Residential, industrial, commercial, wind farm, temporary workers accommodation, signage and other forms of development.

Land Not Within Conservation Area

The land the subject of this Certificate is not within a Heritage Conservation Area as identified in the Mid-Western Regional LEP 2012.

Not an Item of Environmental Heritage

The land the subject of this certificate is **not** identified in Schedule 5 of the Mid-Western Regional LEP 2012 as an item of Environmental Heritage.

Dwelling Houses - RU1 Primary Production Zone

Mid-Western Regional Local Environmental Plan (LEP) 2012 specifies a minimum lot size of 100 hectares for the erection of a dwelling in this zone. Please note that there may be other provisions in the LEP that may apply if the land does not meet the minimum allotment size.

Approval must be obtained either through the Development Application or Complying Development Certificate process prior to the erection of a dwelling on this land.

Dwelling Houses - RU1 Primary Production Zone

Mid-Western Regional Local Environmental Plan (LEP) 2012 specifies a minimum lot size of 40 hectares for the erection of a dwelling in this zone. Please note that there may be other provisions in the LEP that may apply if the land does not meet the minimum allotment size.

Approval must be obtained either through the Development Application or Complying Development Certificate process prior to the erection of a dwelling on this land.

The Land is Not Subject to Road Widening

Council's records indicate that the land the subject of this Certificate is NOT affected by any road widening or road re-alignment under:

- 1) Division 2 of the Roads Act, 1993;
- 2) Section 262 of the former Local Government Act, 1919;
- 3) Any Environmental Planning Instrument
- 4) Any resolution of Council.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979****Page No. 6 of 7**Coastal Protection

Council has not been notified, by the Department of Public Works, that the land the subject of this Certificate is affected by the operation of Section 38 or 39 of the Coastal Protection Act, 1979.

Risk of Land Slip or Subsidence

No information available re land slip or subsidence. Land is not within a Proclaimed Mine Subsidence District.

Identified Critical Habitat

The land the subject of this Certificate does not contain any identified critical habitats.

No Acquisition by Public Authority

The land the subject of this certificate is NOT subject to acquisition by a public authority under a planning scheme or a draft planning instrument.

State Significant Development - Land is not Subject

The land the subject of this Certificate is not the subject of an order by the Minister for Planning and Infrastructure regarding State Significant development pursuant to Section 89C(3).

SEPP (Exempt & Complying Development Codes) 2008

Complying Development may be carried out on this land under the State Environmental Planning Policy SEPP (Exempt and Complying Development Codes) 2008.

Note: For land that is bushfire prone or a flood control lot MUST satisfy additional requirements of the SEPP (Exempt & Complying Development Codes) 2008. Please contact Council to discuss these requirements.

Section 94 Development Contributions Plan

Council's Section 94 Plan applies to future commercial/ retail/ industrial development within the Mudgee Town Centre and subdivision within the Mid-Western Regional Council Local Government Area. Contact Council's Planning Department for any queries regarding this matter.

Section 94A Development Contributions Plan

Council's Section 94A Plan applies to future commercial/ retail/ industrial/ tourism development outside of the Mudgee Town Centre and Residential Development within the Mid-Western Regional Council Local Government Area. Contact Council's Planning Department for any queries regarding this matter.

Land May be Subject to Flood Management Plan

The land the subject of this certificate is not within the Flood Risk Precincts identified by the Mudgee Floodplain Management Study. The provisions of the Floodplain Management Plan may also apply to land that is affected by localised flooding.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 7 of 7

Land is Bushfire Prone

The land the subject of this certificate is Bush Fire prone in accordance with the Environmental Planning and Assessment Act 1979 and Mid-Western Regional LGA Bush Fire Prone Land Map.

Any development application will require assessment in accordance with Sections 79C and 79BA of the Environmental Planning and Assessment Act 1979 or referral to the NSW Rural Fire Service in accordance with Section 91 of the Environmental Planning and Assessment Act 1979 as a Special Fire Protection Purpose. All development is required to comply with the provisions of "Planning for Bushfire Protection", prepared by the NSW Rural Fire Service, 2006.

For further information please contact
Planning & Development Section



SENIOR PLANNER/TEAM LEADER

Certificate No. 1492813776

END OF 149 CERTIFICATE

Prospective buyers should consider requesting a Section 64 Certificate from Council. A Section 64 Certificate will provide information on current Weed Control Notices on the property and/or any debt on the land in relation to noxious weeds and their control. (These debts and outstanding notices remain with the property when sold and become the responsibility of the purchaser.)



PO BOX 156
MUDGEE NSW 2850

86 Market Street MUDGEE
109 Herbert Street GULGONG
77 Louise Street RYLSTONE

Ph: 1300 765 002 or (02) 6378 2850

Fax: (02) 6378 2815

Email: council@midwestern.nsw.gov.au

PLANNING CERTIFICATE

Applicant:

David Lane Associates Pty Ltd
42b Church Street
MAITLAND NSW 2320

PLANNING CERTIFICATE UNDER SECTION 149 ENVIRONMENTAL PLANNING & ASSESSMENT ACT 1979

Certificate No.: PC0963/2014
Receipt No.: 314459
Date: 02 May 2014
Property No.: 21594
Customer Ref: 486 Upper Bylong

Owner (as recorded by Council):

ACN 000 690 648 Pty Ltd
PO Box 424
BEECROFT NSW 2119

Property Address: Sunnyside Bylong Valley Way BYLONG NSW 2849

Property Description: Lot 2 DP 607945
Lot 99 DP 704724
Lot 67 DP 755420
Lot 2 DP 1100343

The Environmental Planning and Assessment Act 1997 commenced operation on the 1 July 1998. As a consequence of this Act the information contained in this certificate needs to be read in conjunction with the provisions of the Environmental Planning and Assessment (Amendment) Regulation 1998, Environmental Planning and Assessment (Further Amendment) Regulation 1998 and Environmental Planning and Assessment (Savings and Transitional Regulation 1998).

SECTION A: INFORMATION PROVIDED PURSUANT TO SECTION 149(2) OF THE ACT:

MID-WESTERN REGIONAL LOCAL ENVIRONMENTAL PLAN 2012

This planning instrument was published 10 August 2012 on the NSW Legislation website and applies to all the land within Mid-Western Region Local Government Area.

AMENDMENTS TO MID-WESTERN REGIONAL LOCAL ENVIRONMENTAL PLAN 2012

Amendment No.1 - Temporary Workers' Accommodation - Published 10 August 2012 on the NSW Legislation website

CURRENTLY THE LAND IS ZONED:

RU1 Primary Production

Note: where two or more zones appear the property is affected in part by each zone.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 2 of 7

LAND USE ZONING TABLE:

The following land use zoning table(s) apply to the land the subject of this Certificate.

Zone RU1 Primary Production

2 Permitted without consent

Environmental protection works; Extensive agriculture; Home businesses; Home occupations; Intensive plant agriculture; Roads; Water reticulation systems

3 Permitted with consent

Building identification signs; Business identification signs; Cellar door premises; Dwelling houses; Extractive industries; Farm buildings; Home industries; Intensive livestock agriculture; landscaping material supplies; Markets; Open cut mining; Plant nurseries; Restaurants or cafes; Roadside stalls; Any other development not specified in item 2 or 4

4 Prohibited

Amusement centres; Attached dwellings; Backpackers' accommodation; Boarding houses; Boat building and repair facilities; Car parks; Child care centres; Commercial premises; Correctional centres; Crematoria; Educational establishments; Exhibition homes; Exhibition villages; Freight transport facilities; Group homes; Health services facilities; Heavy industrial storage establishments; Hostels; Industrial retail outlets; Industries; Marinas; Mortuaries; Multi dwelling housing; Passenger transport facilities; Places of public worship; Public administration buildings; Pubs; Recreational facilities (indoor); Registered clubs; Residential flat buildings; Respite day care centres; Restricted premises; Semi-detached dwellings; Seniors housing; Service stations; Sex services premises; Shops; Shop top housing; Signage; Storage premises; Transport depots; Truck depots; Vehicle body repair workshops; Vehicle repair stations; Warehouse or distribution centres; Wholesale supplies

SECTION B: OTHER PRESCRIBED INFORMATION PURSUANT TO SECTION 149(2) OF THE ACT

As at the date of this Certificate the following State Environmental Planning Policies, Development Control Plans, Directions under Environmental Planning and Assessment Act and other Special Provisions apply.

State Environmental Planning Policy (Affordable Rental Housing) 2009

This policy aims to facilitate the effective delivery of new affordable rental housing by providing incentives by way of expanded zoning permissibility, floor space ratio bonuses and non-discretionary development standards.

State Environmental Planning Policy BASIX 2004

The purpose of the SEPP is to encourage sustainable residential development. An application for a development consent, complying development certificate or construction certificate in relation to certain kinds of residential development must be accompanied by a list of commitments by the applicant as to the manner in which the development will be carried out, and the carrying out of residential development pursuant to the resulting development consent, complying development certificate or construction certificate will be subject to a condition requiring such commitments to be fulfilled.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 3 of 7

State Environmental Planning Policy (Exempt and Complying Development Codes) 2008

The aim of this policy is to provide streamlined development processes for development that complies with specific development standards.

It identifies exempt and complying development codes that have state wide application including the General Exempt Development Code, the General Housing Code, Housing Internal Alterations Code and General Commercial and Industrial Code.

State Environmental Planning Policy (Infrastructure) 2007

The aim of this policy is to facilitate the effective delivery of infrastructure across the state and repeals a number of other previous SEPP's.

It provides development controls related to air transport, correctional centres, educational establishments, electricity generating works, electricity transmission and distribution, flood mitigation, forestry, emergency services facilities, gas transmission or distribution, health services facilities, housing and group homes and many other facilities.

State Environmental Planning Policy (Miscellaneous Consent Provisions) 2007

This policy is to ensure that suitable provision is made for ensuring safety of persons using temporary structures and encourage the protection of the environment at such locations.

State Environmental Planning Policy (Rural Lands) 2008

The aim of this policy is to facilitate the orderly and economic use and development of rural lands for rural and related purposes.

It identifies rural planning principles and rural subdivision principles, will implement measures designed to reduce land use conflict, identifies state significant agricultural land and amends provisions of other environmental planning instruments relating to concessional lots in rural subdivisions.

SEPP (Mining, Petroleum Production and Extractive Industries) 2007

The SEPP consolidates and updates many existing planning provisions related to mining, petroleum production and extractive industries as well as introducing new provisions to ensure that potential environmental and social impacts are adequately addressed during the assessment and determination of development proposals.

SEPP No 15 - 9 April 1998 - Rural Landsharing Communities

This Policy aims to encourage and facilitate development of rural landsharing communities to collectively manage land in an environmentally sensitive and sustainable manner and to provide for low cost housing. The Policy establishes criteria for rural landsharing community development, matters for Council consideration, environmental considerations, site analysis and management requirements for development proposed under the Policy.

SEPP No 21 - Moveable Dwellings and as Amended 24 April 1982 - Caravan Parks

This Policy outlines requirements for development consent principally in relation to long term use of sites in caravan parks and for subdivision by long leases.

Development Consent is not required for installation or placement of moveable dwellings on sites in lawfully operating caravan parks.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 4 of 7

SEPP No 30 - 8 December 1989, Amended 28 August 1993, 24 February 1995 and 11 June 1999 -
Intensive Agriculture

This Policy requires development consent for cattle feedlots having a capacity of 50 or more head of cattle, piggeries having a capacity of 200 or more pigs or 20 or more breeding sows. This Policy also aims to extend the definition of the term "rural industry" where used in environmental planning instruments so as to include within the meaning of that term composting facilities and works, including facilities and works for the production of mushroom substrate.

SEPP No 33 - 13 March 1992 - Hazardous and Offensive Development

This Policy redefines hazardous and offensive developments and specifies that such proposals be advertised, be well documented and that Council consider any measures taken to mitigate their impact.

SEPP No 36 - 16 July 1993 - Manufactured Homes Estates

This Policy aims to facilitate the establishment of well designed and properly serviced manufactured home estates in suitable locations as an alternative to traditional housing.

SEPP No 44 - Koala Habitat Protection

This Policy aims to encourage the proper conservation and management of areas of natural vegetation that provide habitat for koalas.

The Policy applies to all land with an area of more than one hectare to which a Development Application has been made.

SEPP No 55 - Remediation of Land

This Policy aims to promote the remediation of contaminated land for the purpose of reducing the risk of harm to human health or any other aspect of the environment. The Policy applies to the whole state, to ensure that remediation is permissible development and is always carried out to a high standard. It specifies when consent is required for remediation and lists considerations that are relevant when rezoning land and determining development applications.

SEPP No 62 - Sustainable Aquaculture

The aims and objectives of this Policy are to encourage sustainable aquaculture, including sustainable oyster aquaculture, in the State, namely, aquaculture development which uses, conserves and enhances the community's resources so that the total quality of life now and in the future can be preserved and enhanced.

SEPP No 64 - Advertising Signage

This Policy provides controls which will improve the quality of outdoor advertising and our environment.

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**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 5 of 7

State Environmental Planning Policy (Major Projects) 2005

The purpose of the SEPP is to facilitate the development, redevelopment or protection of urban, coastal and regional sites of economic, environmental or social significance to the State. It identifies development to which the development assessment and approval process under Part 3A of the Act applies and also development that is critical infrastructure for the purposes of Part 3A of the Act.

Mid-Western Regional Development Control Plan 2013

This plan provides guidelines for all types of development within the Mid-Western Regional Council Local Government Area. It replaces all of the separate Development Control Plans and includes standards for Residential, industrial, commercial, wind farm, temporary workers accommodation, signage and other forms of development.

Land Not Within Conservation Area

The land the subject of this Certificate is not within a Heritage Conservation Area as identified in the Mid-Western Regional LEP 2012.

Not an Item of Environmental Heritage

The land the subject of this certificate is not identified in Schedule 5 of the Mid-Western Regional LEP 2012 as an item of Environmental Heritage.

Dwelling Houses - RU1 Primary Production Zone

Mid-Western Regional Local Environmental Plan (LEP) 2012 specifies a minimum lot size of 100 hectares for the erection of a dwelling in this zone. Please note that there may be other provisions in the LEP that may apply if the land does not meet the minimum allotment size.

Approval must be obtained either through the Development Application or Complying Development Certificate process prior to the erection of a dwelling on this land.

Dwelling Houses - RU1 Primary Production Zone

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Approval must be obtained either through the Development Application or Complying Development Certificate process prior to the erection of a dwelling on this land.

The Land Is Not Subject to Road Widening

Council's records indicate that the land the subject of this Certificate is NOT affected by any road widening or road re-alignment under:

- 1) Division 2 of the Roads Act, 1993;
- 2) Section 262 of the former Local Government Act, 1919;
- 3) Any Environmental Planning Instrument
- 4) Any resolution of Council.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 6 of 7

Coastal Protection

Council has not been notified, by the Department of Public Works, that the land the subject of this Certificate is affected by the operation of Section 38 or 39 of the Coastal Protection Act, 1979.

Risk of Land Slip or Subsidence

No information available re land slip or subsidence. Land is not within a Proclaimed Mine Subsidence District.

Identified Critical Habitat

The land the subject of this Certificate does not contain any identified critical habitats.

No Acquisition by Public Authority

The land the subject of this certificate is NOT subject to acquisition by a public authority under a planning scheme or a draft planning instrument.

State Significant Development - Land is not Subject

The land the subject of this Certificate is not the subject of an order by the Minister for Planning and Infrastructure regarding State Significant development pursuant to Section 89C(3).

SEPP (Exempt & Complying Development Codes) 2008

Complying Development may be carried out on this land under the State Environmental Planning Policy SEPP (Exempt and Complying Development Codes) 2008.

Note: For land that is bushfire prone or a flood control lot MUST satisfy additional requirements of the SEPP (Exempt & Complying Development Codes) 2008. Please contact Council to discuss these requirements.

Section 94 Development Contributions Plan

Council's Section 94 Plan applies to future commercial/ retail/ industrial development within the Mudgee Town Centre and subdivision within the Mid-Western Regional Council Local Government Area. Contact Council's Planning Department for any queries regarding this matter.

Section 94A Development Contributions Plan

Council's Section 94A Plan applies to future commercial/ retail/ industrial/ tourism development outside of the Mudgee Town Centre and Residential Development within the Mid-Western Regional Council Local Government Area. Contact Council's Planning Department for any queries regarding this matter.

Land May be Subject to Flood Management Plan

The land the subject of this certificate is not within the Flood Risk Precincts identified by the Mudgee Floodplain Management Study. The provisions of the Floodplain Management Plan may also apply to land that is affected by localised flooding.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 7 of 7

Land is Not Bushfire Prone

The land the subject of this certificate has not been identified as being bush fire prone in accordance with the Environmental Planning and Assessment Act 1979 and Mid-Western Regional LGA Bush Fire Prone Land map.

For further information please contact
Planning & Development Section



SENIOR PLANNER/TEAM LEADER

Certificate No. 1492 813739

END OF 149 CERTIFICATE

Prospective buyers should consider requesting a Section 64 Certificate from Council. A Section 64 Certificate will provide information on current Weed Control Notices on the property and/or any debt on the land in relation to noxious weeds and their control. (These debts and outstanding notices remain with the property when sold and become the responsibility of the purchaser.)



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Email: council@midwestern.nsw.gov.au

PLANNING CERTIFICATE

Applicant:

David Lane Associates Pty Ltd
42b Church Street
MAITLAND NSW 2320

PLANNING CERTIFICATE UNDER SECTION 149 ENVIRONMENTAL PLANNING & ASSESSMENT ACT 1979

Certificate No.: PC0966/2014

Receipt No.: 314461

Date: 02 May 2014

Property No.: 14934

Customer Ref: 7690 Bylong

Owner (as recorded by Council):

Ms JB Watson
7690 Bylong Valley Way
BYLONG NSW 2849

Property Address: 7690 Bylong Valley Way BYLONG NSW 2849

Property Description: Lot 1 DP 784676

The Environmental Planning and Assessment Act 1997 commenced operation on the 1 July 1998. As a consequence of this Act the information contained in this certificate needs to be read in conjunction with the provisions of the Environmental Planning and Assessment (Amendment) Regulation 1998, Environmental Planning and Assessment (Further Amendment) Regulation 1998 and Environmental Planning and Assessment (Savings and Transitional Regulation 1998).

SECTION A: INFORMATION PROVIDED PURSUANT TO SECTION 149(2) OF THE ACT:

MID-WESTERN REGIONAL LOCAL ENVIRONMENTAL PLAN 2012

This planning instrument was published 10 August 2012 on the NSW Legislation website and applies to all the land within Mid-Western Region Local Government Area.

AMENDMENTS TO MID-WESTERN REGIONAL LOCAL ENVIRONMENTAL PLAN 2012

Amendment No.1 - Temporary Workers' Accommodation - Published 10 August 2012 on the NSW Legislation website

CURRENTLY THE LAND IS ZONED:

RU1 Primary Production

Note: where two or more zones appear the property is affected in part by each zone.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979****Page No. 2 of 7****LAND USE ZONING TABLE:**

The following land use zoning table(s) apply to the land the subject of this Certificate.

Zone RU1 Primary Production2 Permitted without consent

Environmental protection works; Extensive agriculture; Home businesses; Home occupations; Intensive plant agriculture; Roads; Water reticulation systems

3 Permitted with consent

Building identification signs; Business identification signs; Cellar door premises; Dwelling houses; Extractive industries; Farm buildings; Home industries; Intensive livestock agriculture; landscaping material supplies; Markets; Open cut mining; Plant nurseries; Restaurants or cafes; Roadside stalls; Any other development not specified in item 2 or 4

4 Prohibited

Amusement centres; Attached dwellings; Backpackers' accommodation; Boarding houses; Boat building and repair facilities; Car parks; Child care centres; Commercial premises; Correctional centres; Crematoria; Educational establishments; Exhibition homes; Exhibition villages; Freight transport facilities; Group homes; Health services facilities; Heavy industrial storage establishments; Hostels; Industrial retail outlets; Industries; Marinas; Mortuaries; Multi dwelling housing; Passenger transport facilities; Places of public worship; Public administration buildings; Pubs; Recreational facilities (indoor); Registered clubs; Residential flat buildings; Respite day care centres; Restricted premises; Semi-detached dwellings; Seniors housing; Service stations; Sex services premises; Shops; Shop top housing; Signage; Storage premises; Transport depots; Truck depots; Vehicle body repair workshops; Vehicle repair stations; Warehouse or distribution centres; Wholesale supplies

SECTION B: OTHER PRESCRIBED INFORMATION PURSUANT TO SECTION 149(2) OF THE ACT

As at the date of this Certificate the following State Environmental Planning Policies, Development Control Plans, Directions under Environmental Planning and Assessment Act and other Special Provisions apply.

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**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 3 of 7

State Environmental Planning Policy (Exempt and Complying Development Codes) 2008

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Page No. 4 of 7

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**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 5 of 7

State Environmental Planning Policy (Major Projects) 2005

The purpose of the SEPP is to facilitate the development, redevelopment or protection of urban, coastal and regional sites of economic, environmental or social significance to the State. It identifies development to which the development assessment and approval process under Part 3A of the Act applies and also development that is critical infrastructure for the purposes of Part 3A of the Act.

Mid-Western Regional Development Control Plan 2013

This plan provides guidelines for all types of development within the Mid-Western Regional Council Local Government Area. It replaces all of the separate Development Control Plans and includes standards for Residential, industrial, commercial, wind farm, temporary workers accommodation, signage and other forms of development.

Land Not Within Conservation Area

The land the subject of this Certificate is not within a Heritage Conservation Area as identified in the Mid-Western Regional LEP 2012.

Not an Item of Environmental Heritage

The land the subject of this certificate is **not** identified in Schedule 5 of the Mid-Western Regional LEP 2012 as an item of Environmental Heritage.

Dwelling Houses - RU1 Primary Production Zone

Mid-Western Regional Local Environmental Plan (LEP) 2012 specifies a minimum lot size of 100 hectares for the erection of a dwelling in this zone. Please note that there may be other provisions in the LEP that may apply if the land does not meet the minimum allotment size.

Approval must be obtained either through the Development Application or Complying Development Certificate process prior to the erection of a dwelling on this land.

The Land is Not Subject to Road Widening

Council's records indicate that the land the subject of this Certificate is NOT affected by any road widening or road re-alignment under:

- 1) Division 2 of the Roads Act, 1993;
- 2) Section 262 of the former Local Government Act, 1919;
- 3) Any Environmental Planning Instrument.
- 4) Any resolution of Council.

Coastal Protection

Council has not been notified, by the Department of Public Works, that the land the subject of this Certificate is affected by the operation of Section 38 or 39 of the Coastal Protection Act, 1979.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 6 of 7

Risk of Land Slip or Subsidence

No information available re land slip or subsidence. Land is not within a Proclaimed Mine Subsidence District.

Identified Critical Habitat

The land the subject of this Certificate does not contain any identified critical habitats.

No Acquisition by Public Authority

The land the subject of this certificate is NOT subject to acquisition by a public authority under a planning scheme or a draft planning instrument.

State Significant Development - Land is not Subject

The land the subject of this Certificate is not the subject of an order by the Minister for Planning and Infrastructure regarding State Significant development pursuant to Section 89C(3).

SEPP (Exempt & Complying Development Codes) 2008

Complying Development may be carried out on this land under the State Environmental Planning Policy SEPP (Exempt and Complying Development Codes) 2008.

Note: For land that is bushfire prone or a flood control lot MUST satisfy additional requirements of the SEPP (Exempt & Complying Development Codes) 2008. Please contact Council to discuss these requirements.

Section 94 Development Contributions Plan

Council's Section 94 Plan applies to future commercial/ retail/ industrial development within the Mudgee Town Centre and subdivision within the Mid-Western Regional Council Local Government Area. Contact Council's Planning Department for any queries regarding this matter.

Section 94A Development Contributions Plan

Council's Section 94A Plan applies to future commercial/ retail/ industrial/ tourism development outside of the Mudgee Town Centre and Residential Development within the Mid-Western Regional Council Local Government Area. Contact Council's Planning Department for any queries regarding this matter.

Land May be Subject to Flood Management Plan

The land the subject of this certificate is not within the Flood Risk Precincts identified by the Mudgee Floodplain Management Study. The provisions of the Floodplain Management Plan may also apply to land that is affected by localised flooding.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 7 of 7

Land is Bushfire Prone

The land the subject of this certificate is Bush Fire prone in accordance with the Environmental Planning and Assessment Act 1979 and Mid-Western Regional LGA Bush Fire Prone Land Map.

Any development application will require assessment in accordance with Sections 79C and 79BA of the Environmental Planning and Assessment Act 1979 or referral to the NSW Rural Fire Service in accordance with Section 91 of the Environmental Planning and Assessment Act 1979 as a Special Fire Protection Purpose. All development is required to comply with the provisions of "Planning for Bushfire Protection", prepared by the NSW Rural Fire Service, 2006.

For further information please contact
Planning & Development Section



SENIOR PLANNER/TEAM LEADER

Certificate No. 1492 813762

END OF 149 CERTIFICATE

Prospective buyers should consider requesting a Section 64 Certificate from Council. A Section 64 Certificate will provide information on current Weed Control Notices on the property and/or any debt on the land in relation to noxious weeds and their control. (These debts and outstanding notices remain with the property when sold and become the responsibility of the purchaser.)



PO BOX 156
MUDGEES NSW 2850

86 Market Street MUDGEES
109 Herbert Street GULGONG
77 Louisa Street RYLSTONE

Ph: 1300 765 002 or (02) 6378 2850

Fax: (02) 6378 2815

Email: council@midwestern.nsw.gov.au

PLANNING CERTIFICATE

Applicant:

David Lane Associates Pty Ltd
42b Church Street
MAITLAND NSW 2320

PLANNING CERTIFICATE UNDER SECTION 149 ENVIRONMENTAL PLANNING & ASSESSMENT ACT 1979

Certificate No.: PC0965/2014

Receipt No.: 314462

Date: 02 May 2014

Property No.: 14142

Customer Ref: 7691 Bylong

Owner (as recorded by Council):

Bylong Hall Committee Incorporated
7690 Bylong Valley Way
BYLONG NSW 2849

Property Address: Bylong Hall 7691 Bylong Valley Way BYLONG NSW 2849

Property Description: Lot 1 DP 308950

The Environmental Planning and Assessment Act 1997 commenced operation on the 1 July 1998. As a consequence of this Act the information contained in this certificate needs to be read in conjunction with the provisions of the Environmental Planning and Assessment (Amendment) Regulation 1998, Environmental Planning and Assessment (Further Amendment) Regulation 1998 and Environmental Planning and Assessment (Savings and Transitional Regulation 1998).

SECTION A: INFORMATION PROVIDED PURSUANT TO SECTION 149(2) OF THE ACT:

MID-WESTERN REGIONAL LOCAL ENVIRONMENTAL PLAN 2012

This planning instrument was published 10 August 2012 on the NSW Legislation website and applies to all the land within Mid-Western Regional Local Government Area.

AMENDMENTS TO MID-WESTERN REGIONAL LOCAL ENVIRONMENTAL PLAN 2012

Amendment No.1 - Temporary Workers' Accommodation - Published 10 August 2012 on the NSW Legislation website

CURRENTLY THE LAND IS ZONED:

RU1 Primary Production

Note: where two or more zones appear the property is affected in part by each zone.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 2 of 7

LAND USE ZONING TABLE:

The following land use zoning table(s) apply to the land the subject of this Certificate.

Zone RU1 Primary Production

2 Permitted without consent

Environmental protection works; Extensive agriculture; Home businesses; Home occupations; Intensive plant agriculture; Roads; Water reticulation systems

3 Permitted with consent

Building identification signs; Business identification signs; Cellar door premises; Dwelling houses; Extractive industries; Farm buildings; Home industries; Intensive livestock agriculture; landscaping material supplies; Markets; Open cut mining; Plant nurseries; Restaurants or cafes; Roadside stalls; Any other development not specified in item 2 or 4

4 Prohibited

Amusement centres; Attached dwellings; Backpackers' accommodation; Boarding houses; Boat building and repair facilities; Car parks; Child care centres; Commercial premises; Correctional centres; Crematoria; Educational establishments; Exhibition homes; Exhibition villages; Freight transport facilities; Group homes; Health services facilities; Heavy industrial storage establishments; Hostels; Industrial retail outlets; Industries; Marinas; Mortuaries; Multi dwelling housing; Passenger transport facilities; Places of public worship; Public administration buildings; Pubs; Recreational facilities (indoor); Registered clubs; Residential flat buildings; Respite day care centres; Restricted premises; Semi-detached dwellings; Seniors housing; Service stations; Sex services premises; Shops; Shop top housing; Signage; Storage premises; Transport depots; Truck depots; Vehicle body repair workshops; Vehicle repair stations; Warehouse or distribution centres; Wholesale supplies

SECTION B: OTHER PRESCRIBED INFORMATION PURSUANT TO SECTION 149(2) OF THE ACT

As at the date of this Certificate the following State Environmental Planning Policies, Development Control Plans, Directions under Environmental Planning and Assessment Act and other Special Provisions apply.

State Environmental Planning Policy (Affordable Rental Housing) 2009

This policy aims to facilitate the effective delivery of new affordable rental housing by providing incentives by way of expanded zoning permissibility, floor space ratio bonuses and non-discretionary development standards.

State Environmental Planning Policy BASIX 2004

The purpose of the SEPP is to encourage sustainable residential development. An application for a development consent, complying development certificate or construction certificate in relation to certain kinds of residential development must be accompanied by a list of commitments by the applicant as to the manner in which the development will be carried out, and the carrying out of residential development pursuant to the resulting development consent, complying development certificate or construction certificate will be subject to a condition requiring such commitments to be fulfilled.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 3 of 7

State Environmental Planning Policy (Exempt and Complying Development Codes) 2008

The aim of this policy is to provide streamlined development processes for development that complies with specific development standards.

It identifies exempt and complying development codes that have state wide application including the General Exempt Development Code, the General Housing Code, Housing Internal Alterations Code and General Commercial and Industrial Code.

State Environmental Planning Policy (Infrastructure) 2007

The aim of this policy is to facilitate the effective delivery of infrastructure across the state and repeals a number of other previous SEPP's.

It provides development controls related to air transport, correctional centres, educational establishments, electricity generating works, electricity transmission and distribution, flood mitigation, forestry, emergency services facilities, gas transmission or distribution, health services facilities, housing and group homes and many other facilities.

State Environmental Planning Policy (Miscellaneous Consent Provisions) 2007

This policy is to ensure that suitable provision is made for ensuring safety of persons using temporary structures and encourage the protection of the environment at such locations.

State Environmental Planning Policy (Rural Lands) 2008

The aim of this policy is to facilitate the orderly and economic use and development of rural lands for rural and related purposes.

It identifies rural planning principles and rural subdivision principles, will implement measures designed to reduce land use conflict, identifies state significant agricultural land and amends provisions of other environmental planning instruments relating to concessional lots in rural subdivisions.

SEPP (Mining, Petroleum Production and Extractive Industries) 2007

The SEPP consolidates and updates many existing planning provisions related to mining, petroleum production and extractive industries as well as introducing new provisions to ensure that potential environmental and social impacts are adequately addressed during the assessment and determination of development proposals.

SEPP No 15 - 9 April 1998 - Rural Landsharing Communities

This Policy aims to encourage and facilitate development of rural landsharing communities to collectively manage land in an environmentally sensitive and sustainable manner and to provide for low cost housing. The Policy establishes criteria for rural landsharing community development, matters for Council consideration, environmental considerations, site analysis and management requirements for development proposed under the Policy.

SEPP No 21 - Moveable Dwellings and as Amended 24 April 1982 - Caravan Parks

This Policy outlines requirements for development consent principally in relation to long term use of sites in caravan parks and for subdivision by long leases.

Development Consent is not required for installation or placement of moveable dwellings on sites in lawfully operating caravan parks.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 4 of 7

SEPP No 30 - 8 December 1989, Amended 28 August 1993, 24 February 1995 and 11 June 1999 - Intensive Agriculture

This Policy requires development consent for cattle feedlots having a capacity of 50 or more head of cattle, piggeries having a capacity of 200 or more pigs or 20 or more breeding sows. This Policy also aims to extend the definition of the term "rural industry" where used in environmental planning instruments so as to include within the meaning of that term composting facilities and works, including facilities and works for the production of mushroom substrate.

SEPP No 33 - 13 March 1992 - Hazardous and Offensive Development

This Policy redefines hazardous and offensive developments and specifies that such proposals be advertised, be well documented and that Council consider any measures taken to mitigate their impact.

SEPP No 36 - 16 July 1993 - Manufactured Homes Estates

This Policy aims to facilitate the establishment of well designed and properly serviced manufactured home estates in suitable locations as an alternative to traditional housing.

SEPP No 44 - Koala Habitat Protection

This Policy aims to encourage the proper conservation and management of areas of natural vegetation that provide habitat for koalas.

The Policy applies to all land with an area of more than one hectare to which a Development Application has been made.

SEPP No 55 - Remediation of Land

This Policy aims to promote the remediation of contaminated land for the purpose of reducing the risk of harm to human health or any other aspect of the environment. The Policy applies to the whole state, to ensure that remediation is permissible development and is always carried out to a high standard. It specifies when consent is required for remediation and lists considerations that are relevant when rezoning land and determining development applications.

SEPP No 62 - Sustainable Aquaculture

The aims and objectives of this Policy are to encourage sustainable aquaculture, including sustainable oyster aquaculture, in the State, namely, aquaculture development which uses, conserves and enhances the community's resources so that the total quality of life now and in the future can be preserved and enhanced.

SEPP No 64 - Advertising Signage

This Policy provides controls which will improve the quality of outdoor advertising and our environment.

State Environmental Planning Policy (State and Regional Development) 2011

The purpose of the SEPP is to identify development that is State significant development, State significant infrastructure and critical State significant infrastructure. It also confers functions on joint regional planning panels to determine development applications.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 5 of 7

State Environmental Planning Policy (Major Projects) 2005

The purpose of the SEPP is to facilitate the development, redevelopment or protection of urban, coastal and regional sites of economic, environmental or social significance to the State. It identifies development to which the development assessment and approval process under Part 3A of the Act applies and also development that is critical infrastructure for the purposes of Part 3A of the Act.

Mid-Western Regional Development Control Plan 2013

This plan provides guidelines for all types of development within the Mid-Western Regional Council Local Government Area. It replaces all of the separate Development Control Plans and includes standards for Residential, industrial, commercial, wind farm, temporary workers accommodation, signage and other forms of development.

Land Not Within Conservation Area

The land the subject of this Certificate is not within a Heritage Conservation Area as identified in the Mid-Western Regional LEP 2012.

Not an Item of Environmental Heritage

The land the subject of this certificate is not identified in Schedule 5 of the Mid-Western Regional LEP 2012 as an item of Environmental Heritage.

Dwelling Houses - RU1 Primary Production Zone

Mid-Western Regional Local Environmental Plan (LEP) 2012 specifies a minimum lot size of 100 hectares for the erection of a dwelling in this zone. Please note that there may be other provisions in the LEP that may apply if the land does not meet the minimum allotment size.

Approval must be obtained either through the Development Application or Complying Development Certificate process prior to the erection of a dwelling on this land.

The Land is Not Subject to Road Widening

Council's records indicate that the land the subject of this Certificate is NOT affected by any road widening or road re-alignment under:

- 1) Division 2 of the Roads Act, 1993;
- 2) Section 262 of the former Local Government Act, 1919;
- 3) Any Environmental Planning Instrument
- 4) Any resolution of Council.

Coastal Protection

Council has not been notified, by the Department of Public Works, that the land the subject of this Certificate is affected by the operation of Section 38 or 39 of the Coastal Protection Act, 1979.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 6 of 7

Risk of Land Slip or Subsidence

No information available re land slip or subsidence. Land is not within a Proclaimed Mine Subsidence District.

Identified Critical Habitat

The land the subject of this Certificate does not contain any identified critical habitats.

No Acquisition by Public Authority

The land the subject of this certificate is NOT subject to acquisition by a public authority under a planning scheme or a draft planning instrument.

State Significant Development - Land is not Subject

The land the subject of this Certificate is not the subject of an order by the Minister for Planning and Infrastructure regarding State Significant development pursuant to Section 89C(3).

SEPP (Exempt & Complying Development Codes) 2008

Complying Development may be carried out on this land under the State Environmental Planning Policy SEPP (Exempt and Complying Development Codes) 2008.

Note: For land that is bushfire prone or a flood control lot MUST satisfy additional requirements of the SEPP (Exempt & Complying Development Codes) 2008. Please contact Council to discuss these requirements.

Section 94 Development Contributions Plan

Council's Section 94 Plan applies to future commercial/ retail/ industrial development within the Mudgee Town Centre and subdivision within the Mid-Western Regional Council Local Government Area. Contact Council's Planning Department for any queries regarding this matter.

Section 94A Development Contributions Plan

Council's Section 94A Plan applies to future commercial/ retail/ industrial/ tourism development outside of the Mudgee Town Centre and Residential Development within the Mid-Western Regional Council Local Government Area. Contact Council's Planning Department for any queries regarding this matter.

Land May be Subject to Flood Management Plan

The land the subject of this certificate is not within the Flood Risk Precincts identified by the Mudgee Floodplain Management Study. The provisions of the Floodplain Management Plan may also apply to land that is affected by localised flooding.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 7 of 7

Land is Bushfire Prone

The land the subject of this certificate is Bush Fire prone in accordance with the Environmental Planning and Assessment Act 1979 and Mid-Western Regional LGA Bush Fire Prone Land Map.

Any development application will require assessment in accordance with Sections 79C and 79BA of the Environmental Planning and Assessment Act 1979 or referral to the NSW Rural Fire Service in accordance with Section 91 of the Environmental Planning and Assessment Act 1979 as a Special Fire Protection Purpose. All development is required to comply with the provisions of "Planning for Bushfire Protection", prepared by the NSW Rural Fire Service, 2006.

For further information please contact
Planning & Development Section



SENIOR PLANNER/TEAM LEADER

Certificate No. 1492 813755

END OF 149 CERTIFICATE

Prospective buyers should consider requesting a Section 64 Certificate from Council. A Section 64 Certificate will provide information on current Weed Control Notices on the property and/or any debt on the land in relation to noxious weeds and their control. (These debts and outstanding notices remain with the property when sold and become the responsibility of the purchaser.)



PO BOX 156
MUDGEE NSW 2850

86 Market Street MUDGEE
109 Herbert Street GULGONG
77 Louee Street RYLSTONE

Ph: 1300 765 002 or (02) 6378 2850

Fax: (02) 6378 2815

Email: council@midwestern.nsw.gov.au

PLANNING CERTIFICATE

Applicant:

David Lane Associates Pty Ltd
42b Church Street
MAITLAND NSW 2320

**PLANNING CERTIFICATE UNDER
SECTION 149 ENVIRONMENTAL
PLANNING & ASSESSMENT ACT 1979**

Certificate No.: PC0964/2014

Receipt No.: 314460

Date: 02 May 2014

Property No.: 22471

Customer Ref: 8364 Bylong

Owner (as recorded by Council):

Mr BW Murdoch & Mr RF Murdoch
PO Box 1265
MUDGEE NSW 2850

Property Address: 8346 Bylong Valley Way BYLONG NSW 2849

Property Description: Lot 55 DP 755420
Lot 66 DP 755420

The Environmental Planning and Assessment Act 1997 commenced operation on the 1 July 1998. As a consequence of this Act the information contained in this certificate needs to be read in conjunction with the provisions of the Environmental Planning and Assessment (Amendment) Regulation 1998, Environmental Planning and Assessment (Further Amendment) Regulation 1998 and Environmental Planning and Assessment (Savings and Transitional Regulation 1998).

SECTION A: INFORMATION PROVIDED PURSUANT TO SECTION 149(2) OF THE ACT:

MID-WESTERN REGIONAL LOCAL ENVIRONMENTAL PLAN 2012

This planning instrument was published 10 August 2012 on the NSW Legislation website and applies to all the land within Mid-Western Region Local Government Area.

AMENDMENTS TO MID-WESTERN REGIONAL LOCAL ENVIRONMENTAL PLAN 2012

Amendment No.1 - Temporary Workers' Accommodation - Published 10 August 2012 on the NSW Legislation website

CURRENTLY THE LAND IS ZONED:

RU1 Primary Production

Note: where two or more zones appear the property is affected in part by each zone.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 2 of 7

LAND USE ZONING TABLE:

The following land use zoning table(s) apply to the land the subject of this Certificate.

Zone RU1 Primary Production**2 Permitted without consent**

Environmental protection works; Extensive agriculture; Home businesses; Home occupations; Intensive plant agriculture; Roads; Water reticulation systems

3 Permitted with consent

Building identification signs; Business identification signs; Cellar door premises; Dwelling houses; Extractive industries; Farm buildings; Home industries; Intensive livestock agriculture; landscaping material supplies; Markets; Open cut mining; Plant nurseries; Restaurants or cafes; Roadside stalls; Any other development not specified in item 2 or 4

4 Prohibited

Amusement centres; Attached dwellings; Backpackers' accommodation; Boarding houses; Boat building and repair facilities; Car parks; Child care centres; Commercial premises; Correctional centres; Crematoria; Educational establishments; Exhibition homes; Exhibition villages; Freight transport facilities; Group homes; Health services facilities; Heavy industrial storage establishments; Hostels; Industrial retail outlets; Industries; Marinas; Mortuaries; Multi dwelling housing; Passenger transport facilities; Places of public worship; Public administration buildings; Pubs; Recreational facilities (indoor); Registered clubs; Residential flat buildings; Respite day care centres; Restricted premises; Semi-detached dwellings; Seniors housing; Service stations; Sex services premises; Shops; Shop top housing; Signage; Storage premises; Transport depots; Truck depots; Vehicle body repair workshops; Vehicle repair stations; Warehouse or distribution centres; Wholesale supplies

SECTION B: OTHER PRESCRIBED INFORMATION PURSUANT TO SECTION 149(2) OF THE ACT

As at the date of this Certificate the following State Environmental Planning Policies, Development Control Plans, Directions under Environmental Planning and Assessment Act and other Special Provisions apply.

State Environmental Planning Policy (Affordable Rental Housing) 2009

This policy aims to facilitate the effective delivery of new affordable rental housing by providing incentives by way of expanded zoning permissibility, floor space ratio bonuses and non-discretionary development standards.

State Environmental Planning Policy BASIX 2004

The purpose of the SEPP is to encourage sustainable residential development. An application for a development consent, complying development certificate or construction certificate in relation to certain kinds of residential development must be accompanied by a list of commitments by the applicant as to the manner in which the development will be carried out, and the carrying out of residential development pursuant to the resulting development consent, complying development certificate or construction certificate will be subject to a condition requiring such commitments to be fulfilled.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 3 of 7

State Environmental Planning Policy (Exempt and Complying Development Codes) 2008

The aim of this policy is to provide streamlined development processes for development that complies with specific development standards.

It identifies exempt and complying development codes that have state wide application including the General Exempt Development Code, the General Housing Code, Housing Internal Alterations Code and General Commercial and Industrial Code.

State Environmental Planning Policy (Infrastructure) 2007

The aim of this policy is to facilitate the effective delivery of infrastructure across the state and repeals a number of other previous SEPP's.

It provides development controls related to air transport, correctional centres, educational establishments, electricity generating works, electricity transmission and distribution, flood mitigation, forestry, emergency services facilities, gas transmission or distribution, health services facilities, housing and group homes and many other facilities.

State Environmental Planning Policy (Miscellaneous Consent Provisions) 2007

This policy is to ensure that suitable provision is made for ensuring safety of persons using temporary structures and encourage the protection of the environment at such locations.

State Environmental Planning Policy (Rural Lands) 2008

The aim of this policy is to facilitate the orderly and economic use and development of rural lands for rural and related purposes.

It identifies rural planning principles and rural subdivision principles, will implement measures designed to reduce land use conflict, identifies state significant agricultural land and amends provisions of other environmental planning instruments relating to concessional lots in rural subdivisions.

SEPP (Mining, Petroleum Production and Extractive Industries) 2007

The SEPP consolidates and updates many existing planning provisions related to mining, petroleum production and extractive industries as well as introducing new provisions to ensure that potential environmental and social impacts are adequately addressed during the assessment and determination of development proposals.

SEPP No 15 - 9 April 1998 - Rural Landsharing Communities

This Policy aims to encourage and facilitate development of rural landsharing communities to collectively manage land in an environmentally sensitive and sustainable manner and to provide for low cost housing. The Policy establishes criteria for rural landsharing community development, matters for Council consideration, environmental considerations, site analysis and management requirements for development proposed under the Policy.

SEPP No 21 - Moveable Dwellings and as Amended 24 April 1982 - Caravan Parks

This Policy outlines requirements for development consent principally in relation to long term use of sites in caravan parks and for subdivision by long leases.

Development Consent is not required for installation or placement of moveable dwellings on sites in lawfully operating caravan parks.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 4 of 7

SEPP No 30 - 8 December 1989, Amended 28 August 1993, 24 February 1995 and 11 June 1999 - Intensive Agriculture

This Policy requires development consent for cattle feedlots having a capacity of 50 or more head of cattle, piggeries having a capacity of 200 or more pigs or 20 or more breeding sows. This Policy also aims to extend the definition of the term "rural industry" where used in environmental planning instruments so as to include within the meaning of that term composting facilities and works, including facilities and works for the production of mushroom substrate.

SEPP No 33 - 13 March 1992 - Hazardous and Offensive Development

This Policy redefines hazardous and offensive developments and specifies that such proposals be advertised, be well documented and that Council consider any measures taken to mitigate their impact.

SEPP No 36 - 16 July 1993 - Manufactured Homes Estates

This Policy aims to facilitate the establishment of well designed and properly serviced manufactured home estates in suitable locations as an alternative to traditional housing.

SEPP No 44 - Koala Habitat Protection

This Policy aims to encourage the proper conservation and management of areas of natural vegetation that provide habitat for koalas.

The Policy applies to all land with an area of more than one hectare to which a Development Application has been made.

SEPP No 55 - Remediation of Land

This Policy aims to promote the remediation of contaminated land for the purpose of reducing the risk of harm to human health or any other aspect of the environment. The Policy applies to the whole state, to ensure that remediation is permissible development and is always carried out to a high standard. It specifies when consent is required for remediation and lists considerations that are relevant when rezoning land and determining development applications.

SEPP No 62 - Sustainable Aquaculture

The aims and objectives of this Policy are to encourage sustainable aquaculture, including sustainable oyster aquaculture, in the State, namely, aquaculture development which uses, conserves and enhances the community's resources so that the total quality of life now and in the future can be preserved and enhanced.

SEPP No 64 - Advertising Signage

This Policy provides controls which will improve the quality of outdoor advertising and our environment.

State Environmental Planning Policy (State and Regional Development) 2011

The purpose of the SEPP is to identify development that is State significant development, State significant infrastructure and critical State significant infrastructure. It also confers functions on joint regional planning panels to determine development applications.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 5 of 7

State Environmental Planning Policy (Major Projects) 2005

The purpose of the SEPP is to facilitate the development, redevelopment or protection of urban, coastal and regional sites of economic, environmental or social significance to the State. It identifies development to which the development assessment and approval process under Part 3A of the Act applies and also development that is critical infrastructure for the purposes of Part 3A of the Act.

Mid-Western Regional Development Control Plan 2013

This plan provides guidelines for all types of development within the Mid-Western Regional Council Local Government Area. It replaces all of the separate Development Control Plans and includes standards for Residential, industrial, commercial, wind farm, temporary workers accommodation, signage and other forms of development.

Land Not Within Conservation Area

The land the subject of this Certificate is not within a Heritage Conservation Area as identified in the Mid-Western Regional LEP 2012.

Not an Item of Environmental Heritage

The land the subject of this certificate is **not** identified in Schedule 5 of the Mid-Western Regional LEP 2012 as an item of Environmental Heritage.

Dwelling Houses - RU1 Primary Production Zone

Mid-Western Regional Local Environmental Plan (LEP) 2012 specifies a minimum lot size of 100 hectares for the erection of a dwelling in this zone. Please note that there may be other provisions in the LEP that may apply if the land does not meet the minimum allotment size.

Approval must be obtained either through the Development Application or Complying Development Certificate process prior to the erection of a dwelling on this land.

Dwelling Houses - RU1 Primary Production Zone

Mid-Western Regional Local Environmental Plan (LEP) 2012 specifies a minimum lot size of 40 hectares for the erection of a dwelling in this zone. Please note that there may be other provisions in the LEP that may apply if the land does not meet the minimum allotment size.

Approval must be obtained either through the Development Application or Complying Development Certificate process prior to the erection of a dwelling on this land.

The Land is Not Subject to Road Widening

Council's records indicate that the land the subject of this Certificate is NOT affected by any road widening or road re-alignment under:

- 1) Division 2 of the Roads Act, 1993;
- 2) Section 262 of the former Local Government Act, 1919;
- 3) Any Environmental Planning Instrument
- 4) Any resolution of Council.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979****Page No. 6 of 7**Coastal Protection

Council has not been notified, by the Department of Public Works, that the land the subject of this Certificate is affected by the operation of Section 38 or 39 of the Coastal Protection Act, 1979.

Risk of Land Slip or Subsidence

No information available re land slip or subsidence. Land is not within a Proclaimed Mine Subsidence District.

Identified Critical Habitat

The land the subject of this Certificate does not contain any identified critical habitats.

No Acquisition by Public Authority

The land the subject of this certificate is NOT subject to acquisition by a public authority under a planning scheme or a draft planning instrument.

State Significant Development - Land is not Subject

The land the subject of this Certificate is not the subject of an order by the Minister for Planning and Infrastructure regarding State Significant development pursuant to Section 89G(3).

SEPP (Exempt & Complying Development Codes) 2008

Complying Development may be carried out on this land under the State Environmental Planning Policy SEPP (Exempt and Complying Development Codes) 2008.

Note: For land that is bushfire prone or a flood control lot MUST satisfy additional requirements of the SEPP (Exempt & Complying Development Codes) 2008. Please contact Council to discuss these requirements.

Section 94 Development Contributions Plan

Council's Section 94 Plan applies to future commercial/ retail/ industrial development within the Mudgee Town Centre and subdivision within the Mid-Western Regional Council Local Government Area. Contact Council's Planning Department for any queries regarding this matter.

Section 94A Development Contributions Plan

Council's Section 94A Plan applies to future commercial/ retail/ industrial/ tourism development outside of the Mudgee Town Centre and Residential Development within the Mid-Western Regional Council Local Government Area. Contact Council's Planning Department for any queries regarding this matter.

Land May be Subject to Flood Management Plan

The land the subject of this certificate is not within the Flood Risk Precincts identified by the Mudgee Floodplain Management Study. The provisions of the Floodplain Management Plan may also apply to land that is affected by localised flooding.

**PLANNING CERTIFICATE UNDER SECTION 149
ENVIRONMENTAL PLANNING & ASSESSMENT ACT, 1979**

Page No. 7 of 7

Land is Bushfire Prone

The land the subject of this certificate is Bush Fire prone in accordance with the Environmental Planning and Assessment Act 1979 and Mid-Western Regional LGA Bush Fire Prone Land Map.

Any development application will require assessment in accordance with Sections 79C and 79BA of the Environmental Planning and Assessment Act 1979 or referral to the NSW Rural Fire Service in accordance with Section 91 of the Environmental Planning and Assessment Act 1979 as a Special Fire Protection Purpose. All development is required to comply with the provisions of "Planning for Bushfire Protection", prepared by the NSW Rural Fire Service, 2006.

For further information please contact
Planning & Development Section



SENIOR PLANNER/TEAM LEADER

Certificate No. 1492 B13747

END OF 149 CERTIFICATE

Prospective buyers should consider requesting a Section 64 Certificate from Council. A Section 64 Certificate will provide information on current Weed Control Notices on the property and/or any debt on the land in relation to noxious weeds and their control. (These debts and outstanding notices remain with the property when sold and become the responsibility of the purchaser.)



Appendix I

Sampling Analysis & Data Quality Plan



Contamination Impact Assessment

Sampling Analysis and Quality Plan

Bylong Coal Project
Bylong Valley, NSW

Prepared for

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April 2014

Revision R03

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Sampling Analysis and Quality Plan
Bylong Valley NSW

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FIGURES

FIGURES 1, 2 and 3 Proposed Sample Locations



1.0 Introduction

1.1 General

DLA Environmental was commissioned by Hansen Bailey to complete a Contamination Impact Assessment for the Bylong Coal Project. As part of the Contamination Impact Assessment, a Sampling Analysis and Quality Plan (SAQP) is required. This (SAQP) has been undertaken to provide a procedure for sampling and analysis, and additionally to identify and address any data gaps which have been identified.

1.2 Scope

DLA Environmental has been commissioned to undertake the Sampling Analysis and Quality Plan (SAQP), which will encompass the following scope of works:

- A walkover of the site to identify potential sources of contamination;
- Desktop searches to identify potential sources of contamination;
- Sampling and Analysis to determine the extent of potential contaminants over disturbance area for the project site;
- Implementation of the SAQP.

The following **terms have been defined** for use in this plan:

Systematic sampling: Sample locations are spaced at regular intervals. The sample density adopted is in accordance with EPA recommendations as outlined in the NSW EPA publication, *Sample Design Guidelines* (1995). Samples will be laid out on a grid basis.

Judgmental sampling: Sample locations are chosen according to indications/evidence of possible contamination based on site history investigations or observations, producing a subjective sampling pattern.

Surface sample: Soil sample from a depth less than 0.5 m. Samples will be collected from each stratum observed. Surface samples will be analysed at indications of contamination.



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Deep sample: May not be required, however soil sample taken between 0.5 m and the maximum depth indicated. Samples will be collected from each stratum observed. Deep samples will be analysed near the termination of the hand auger, or at indications of contamination.

Maximum depth: Indicates the depth to which hand auger sample collection will take place.



2.0 Data Quality Objectives

The National Environment Protection (Assessment of Site Contamination) Measure 1999 (NEPM) as amended 2013 and Australian Standard (AS) 4482.1-2005 recommend that data quality objectives (DQOs) be implemented during the investigation of potentially contaminated sites. The DQO process described in AS 4482.1-2005 outlines seven (7) distinct steps to outline the project goals, decisions, constraints and an assessment of the project uncertainties and how to address these when they arise. They define the quality and quantity of data needed to support decisions relating to the environmental condition of a site. They also outline the defining criteria that a data collection design should satisfy, including when, where, how and how many samples to be collected.

The Data Quality Objectives for the sampling and analysis investigations were to:

2.1 State the Problem.

Determine, from a contamination point of view, if the land is suitable to be developed for Commercial/Industrial land use in accordance with the requirements of *State Environmental Planning Policy No. 55, NEPM 2013* and the *Environmental Planning and Assessment Act. 1979*. This includes researching previous site investigations, historical searches (titles, land use of site and adjacent sites, and aerial photographs), identification of chemicals of concern, media they inhabit and possible migration pathways (to and from the site), potential exposures to human and/or environmental receptors, and concerns with the potential clean up and desired future land use of the property. Statistical evidence needs to determine that the identified site does not present an unacceptable risk to human health or the environment and is suitable for the intended land use.

2.2 Identify the Decision.

The decisions to be made on the contamination and the new environmental data required includes considering relevant site contamination criteria for the imported soil. A proposed use

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of the 95% UCL on the mean concentrations for all soil chemicals of potential concern must be less than the site criteria identified for Residential with minimal soil access and Open Space land use suitability. Decisions include:

- Do soils on site comply with the intended land use criteria?
- If contamination is found, can the soils be remediated in conjunction with the development land?

2.3 Identify Inputs to Decision.

This step requires the identification of the environmental variables/characteristics that need measuring, identification of which media (fill) need to be collected, identification of the site criteria for each medium of concern and appropriate analytical testing. This will include collection and analysis of representative samples from each of the areas of concern identified at the site. Particular attention will be given to:

- The risk associated with contaminant concentrations in soil;
- Previous condition of the land;
- Proposed land use.

2.4 Define the Study Boundaries.

Specify the spatial and temporal aspects of the environmental media that the data must represent to support decision. To identify the boundaries (both spatial and temporal) of the investigation and to identify any restrictions that may hinder the assessment process. This includes onsite inspections and discussions with informed individuals.

- The physical study of soil will focus on delineation and further assessment of soils across the site;
- The assessment will also consider previous Site condition where relevant information is available;
- The study will address any previous data gaps that may have been identified.



2.5 Develop a Decision Rule.

To define the parameter(s) of interest, specify the action level and provide a logical basis for choosing from alternative actions. The following publications have been reviewed with respect to the assessment criteria and sampling methodology of soils at the site:

- NSW EPA Contaminated Sites: Guidelines for Consultants Reporting on Contaminated Sites, 2000;
- NSW EPA Excavated Natural Material (ENM) Exemption 2012;
- Schedule B1 Guideline on the Investigation Levels for Soil and Groundwater from the National Environment Protection (Assessment of Site Contamination) Measure 2013 Table 1(A)1 Column D – Commercial/Industrial;
- NSW EPA Planning Guidelines SEPP 55 – Remediation of Land, 1998;
- NSW EPA Contaminated Sites: Sampling Design Guidelines, 1995;
- NSW EPA Guidelines for the NSW Site Auditor Scheme, second edition 2006.

The general site adopted statistical criteria being applied to the Table 1(A)1 Column D – Commercial/Industrial is:

- The 95% Upper Confidence Limit (UCL) of the arithmetic mean does not exceed the NEPM, 2013 Health Investigation Level (HIL);
- The individual contaminant concentration should not exceed the HIL by more than 250%;
- The standard deviation of individual contaminants should not exceed 50% of the HIL.

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2.6 Specify Limits on Decision Errors.

Specify the decision-maker's acceptable limits on decision errors, which are used to establish performance goals for limiting uncertainties in the data. Incorrect decisions are caused by using data that is not representative of site conditions because of sampling or analytical error.

A Site under investigation is assumed to be contaminated until statistically proven otherwise (eg: H_0 = Analyte 95% UCL exceeds the SAC), therefore two types of error are possible; Type 1 error (α or false negative), where the Site is assessed to be uncontaminated when it is actually is, and Type 2 error (β or false positive), when the Site is assessed to be contaminated though is actually not. Type 1 errors represent greater risk to the environment and human health and are therefore set at 5% probability, whilst Type 2 errors are set at 20% probability limit.

Field and laboratory quality controls are implemented to avoid error and to ensure the action levels exceed the measurement detection limits for Contaminants Of Concern (COC) detected in field blanks, rinsate blanks, volatile-spiked trip samples and laboratory method blanks. The performance of decision making inputs will be enhanced through the application of Data quality indicators (DQI), defined as follows:



Table 2a: Data Quality

Data Precision and Accuracy	
Adequate Sampling Density	A Judgemental approach has been undertaken for this Phase 1 Site Assessment.
	Use of analytical laboratories with adequately trained and experienced testing staff experienced in the analyses undertaken, with appropriate NATA certification.
Acceptable field and laboratory Relative Percentage Difference (RPD) for duplicate comparison	>10 x LOR: 30% inorganics; 50% organics (Field) <10 x LOR: Assessed on individual basis (Field) >5 x LOR: 50% (laboratory) <5 x LOR: No Limit (laboratory)
In accordance with AS4482.1 – 2005 field duplicate RPD criteria is increased with organic analytes and for low concentrations. These criteria cannot reasonably exceed the laboratory's precision, therefore laboratory criteria have been adopted.	
Trip Blanks/ Rinsate Blanks	No Detection above LOR
Trip Spikes	Recoverable concentrations of volatiles between 60 – 140%
Adequate laboratory performance	Based on acceptance criteria of laboratory as specified on certificate of analysis: includes: blank samples, matrix spikes, control samples, and surrogate spike samples
Data Representativeness	
Sample and analysis selection	Representativeness of all potential contaminants
Trip Blanks/ Rinsate Blanks	No Detection above LOR
Trip Spikes	Recoverable concentrations of volatiles between 60 – 140%
Duplicate Samples	Adequate duplicate, split, rinsate and trip blank sample numbers
Laboratory selection	Adequate laboratory internal quality control and quality assurance methods, complying with the NEPM.
Documentation Completeness	
Chain of custody records	Laboratory sample receipt information received confirming receipt of samples intact and appropriate chain of custody
	NATA registered laboratory results certificates provided



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Data Completeness	
	Analysis for all potential contaminants of concern.
	Field duplicate sample numbers complying with NEPM
	Rinsate samples recovered regularly
	Trip spike samples prepared and sent with field samples regularly
Comparability	
	Use of NATA registered laboratories
	Test methods consistent for each sample in accordance with the Sampling Analysis and Quality Plan
	Detailed logs of all sample locations to be recorded
	Test methods comparable between primary and secondary laboratory
	Acceptable RPD's between original samples and field duplicates and inter-laboratory triplicate samples.

2.7 Optimise the Design for Obtaining Data.

Identify a resource-effective sampling and analysis design for data collection that satisfy the DQO's. The sampling and analytical plan is designed to avoid Type 1 and Type 2 errors and includes defining minimum sample numbers required to detect contamination as determined with formulas provided in the NSW EPA 1995 Sampling Design Guidelines and AS 4482.1 - 2005.



3.0 Site Description and Assessment

3.1.1 Site Description and Current Landuse

The site is located within the Bylong Valley. There are farms and pasture areas within the valley area with rolling hills and flat alluvial areas. Within the area are Crown Land, which typically consists of forests on hillsides and hilltops.

The site is currently occupied by farms, farm buildings, a school, roadways, railway line, dams and creeks. The farms are currently tenanted with farm equipment stored in sheds. The proposed development will consist of the following areas requiring ground disturbance; open cut mine area, overburden areas, office facilities, accommodation facilities, an underground mine portal, upgraded roads and railway loop.

The farming land includes improved pasture land, dams and storage sheds.

The proposed development of the open cut mine will involve the demolition of the buildings within the open cut mine area and upgrading of some roads within the local area. The vegetation and soil resources from the overburden areas will be recovered before material emplacement.

3.1.2 Site Assessment Plan

Field Investigation Procedure

Soil samples for chemical analysis will be collected in accordance with the NSW EPA Samples Guidelines 1994, NEPM 2013 and the NSW EPA 2012 ENM General Exemption. This may include the following areas:

- Improved pasture areas;
- Around farm storage sheds;



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- Around buildings;
- Areas of significant disturbance;
- Large Dams;
- In road upgrade areas;
- In the areas of significant disturbance for the proposal.

A judgemental approach will be taken for the sampling locations to avoid other investigation areas and to collect representative samples of the areas.

Sample Collection

The collection of soil samples will be undertaken from the representative locations identified on **Figures 1,2, 3** and **Table 3a** below. The soil samples will be collected from the surface to 0.5m, expected to be either fill material, improved pasture or natural ground. A level of discretion will be exercised to determine if conspicuous soil profiles require further sampling, or if particular areas of concern require targeted investigation based on experience in investigating contaminated lands. The location of the samples provided with **Figures 1, 2 and 3** can change to suit conditions encountered on the ground. Previous investigations which broke the surface such as geological investigation areas will be avoided along with areas containing sensitive Aboriginal heritage items.

Soils will be collected in a judgemental pattern with a hand auger. Soil samples will be obtained from the hand auger or from a small test pit created with a shovel.



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Table 3a – Sample Locations

DP	Lot	Property	# of Sample Points
755421	88	Kepco	2
1094509	2	Tarwyn Park	4
	1	Tarwyn Park	2
1146893	1	Kepco	1
	2	Kepco	2
	3	Kepco	1
1100343	2	Wallings Holdings	2
778500	101	Wallings Holdings	2
222796	1	Tinka Tong	2 (Roadway Samples)
755438	42	Wallings Holdings	1
	44	Wallings Holdings	1
	45	Wallings Holdings	1
	52	Wallings Holdings	2
	55	Wallings Holdings	1
	61	Wallings Holdings	4
	67	Wallings Holdings	4
1146893	2	Wallings Holdings	1
	3	Wallings Holdings	1
	4	Wallings Holdings	3
704724	99	Wallings Holdings	2

3.1.3 Field Sampling Quality Control Plan

During the assessment of potentially contaminated sites the integrity of data collected is considered paramount. For the assessment of the site a number of measures will be taken to ensure the quality of the data:

Sample Containers

Soil samples collected during the assessment will be placed immediately into laboratory prepared glass jars with Teflon lid inserts. Standard identification labels were adhered to each individual container and labelled according to depth, date, sampling team and media collected.



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Sample Tracking and Identification

All samples will be identified with a unique sample number and all sampling details will be included on the sample label and to be reproduced on the field sample log and chain of custody records.

Decontamination

All equipment used in the sampling program, which includes a stainless steel trowel and a mixing bowl, is decontaminated prior to use and between samples to prevent cross contamination.

Decontamination of equipment will involve the following procedures:

- Cleaning equipment in potable water to remove gross contamination;
- Cleaning in a solution of Decon 90;
- Rinsing in clean demineralised water then wiping with clean lint free cloths.

Sample Transport

All samples will be packed in ice from the time of collection and transported under chain of custody from the site to a NATA registered laboratory ensuring that all the samples arrive intact, with appropriate preservation medium and are analysed within their relative holding times for the respective analytes.

Field Duplicates

Field duplicates provide an indication of the precision for the whole investigation process, that is; the sampling process, sample preparation and chemical analysis.

Field duplicate Soil samples are prepared in the field through the following process:

- A larger than normal quantity of soil is recovered from the sample location selected for duplication;



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- The sample is placed in a decontaminated stainless bowl and mixed as thoroughly as practicable before being divided into equal parts;
- Two Portions of the sub-sample are immediately transferred, one for an intra-laboratory duplicate and another for an inter-laboratory duplicate using the decontaminated trowel;
- Samples are placed into a labelled, laboratory supplied 250ml glass jar and sealed with an airtight, Teflon screw top lid. The fully filled jars are labelled as the duplicate and immediately placed in a chilled portable cooler;
- The remaining portions are stored in the same way and labelled as the original sample.

Due to volatile losses during duplicate preparation in the laboratory, duplicate samples are collected in the field. These samples are not used for validation of volatile compounds; they are strictly for internal quality control. Duplicate samples are prepared on the basis of sample numbers recovered during the fieldwork. Intra-laboratory duplicates are collected at a ratio of greater than 10% for the Project and Inter-Laboratory samples are collected at a rate of greater than 5%.

3.1.4 Analytical Strategy

Soil samples will be analysed for a range of contaminant indicators that may be associated with past and present land uses, i.e. improved and maintained pasture areas, imported fill material, and anthropogenic influences (fuel leaks and spills, herbicides, etc) for the following parameters:

Inorganic

- Heavy metals: Arsenic (As), Cadmium (Cd), Chromium (Cr), Copper (Cu), Lead (Pb), Mercury (Hg), Nickel (Ni), and Zinc (Zn).

Organic

- Total Recoverable Hydrocarbons (TRH);
- Monocyclic aromatic hydrocarbons (BTEX);



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- Volatile TPH (vTPH);
- Polycyclic Aromatic Hydrocarbons (PAH);
- Organochlorine Pesticides (OCP);
- Polychlorinated Biphenyls (PCB).

Envirolab Services Pty Ltd (Envirolab), Willoughby, a NATA accredited laboratory, will undertake the laboratory testing of all soil samples and intra-laboratory duplicates (NATA Accreditation No 2901). Envirolab are compliant with ISO 9001 and ISO/IEO 17025. SGS Australia Pty Ltd (SGS), a NATA accredited laboratory, will undertake the laboratory analysis of all inter-laboratory duplicates (NATA Accreditation No 2562 and 4354). SGS are compliant with ISO 9001 and ISO/IEO 17025.



4.0 Assessment Criteria

The following documents were reviewed with respect to selecting appropriate assessment criteria:

- Schedule B1 Guideline on the Investigation Levels for Soil and Groundwater from the National Environment Protection (Assessment of Site Contamination) Measure 2013 Table 1(A)1 Column D – Commercial/Industrial;
- NSW EPA Guidelines for the NSW Site Auditor Scheme, second edition 2006;
- NSW DECCW Waste Classification Guidelines, 2009.

4.1 Rationale for the Selection of Assessment Criteria

The criteria selected have been chosen in accordance with current Australian and NSW EPA guidelines. Australian Guidelines have been used in preference to international guidelines where available. These criteria are the most current and widely accepted guidelines in use at present in Australia, and have generally been developed using a risk-based approach. Therefore, the general selected guidelines provide a satisfactory framework for the site assessment.

4.2 Soil Criteria

The Site will be considered suitable for its intended land use if the UCL of the average concentration for each contaminant in soils complies with the respective Table 1(A)1 Column D – Commercial/Industrial HIL's.

Where a sample result is beyond 250% of the criteria, or where the standard deviation of the data set is greater than 50% of the criteria, non-compliant locations are defined as not part of the general population of the site, but rather as a hotspot or a different population. Hotspots are defined as localised areas where contaminant concentration is noticeably higher than in surrounding areas and may be removed prior to final determination of Soil suitability.



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**Table 4a – Health Investigation Levels (HILs) Soil Assessment Criteria –Commercial/Industrial
(mg/kg dry wt)**

Analytes	Revised NEPM 2013	
	Commercial/Industrial	Column D
Arsenic	3000	
Cadmium	900	
Chromium	3600	
Copper	240,000	
Lead	1,500	
Mercury	780	
Nickel	6,000	
Zinc	400,000	
B(a)P (TEQ)	40	
Total PAH's	4,000	
PCB	7	
Pesticides:		
(Aldrin/Dieldrin)	45	
Chlordane	530	
DDT+DDE+DDD	3,600	
Asbestos		
Bonded ACM	0.05%	
AF and FA (Fibrous Asbestos)	0.001%	



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Table 4b – TPH Vapour Intrusion Site Criteria – Commercial/Industrial

	TPH Criteria for Commercial/Industrial Space Silt Soils			
	0m to <1m	1m to <2m	2m to <4m	4m +
Toluene	NL	NL	NL	NL
Ethylbenzene	NL	NL	NL	NL
Xylene (total)	NL	NL	NL	NL
Naphthalene	NL	NL	NL	NL
Benzene	4	4	6	10
F1 – C ₆ -C ₁₀	250	360	590	NL
F2 – C ₁₀ -C ₁₆	NL	NL	NL	NL
[#] F3 – C ₁₆ -C ₃₄	--	--	--	--
[#] F4 – C ₃₄ -C ₄₀	--	--	--	--

[#] No vapour criteria has been provided due to the non-volatile nature of the hydrocarbons and are "therefore not of concern for vapour intrusion"

(Schedule B1, Section 2.4.6 Petroleum hydrocarbon compounds and fraction, NEMP 2013)

Table 4c – Soil Health Screening Levels for Direct Contact – HSL Column D – Commercial / Industrial (mg/kg)

Chemical	Commercial/Industrial
Toluene	99,000
Ethylbenzene	27,000
Xylenes	81,000
Naphthalene	11,000
Benzene	430
C ₆ – C ₁₀	26,000
>C ₁₀ – C ₁₆	20,000
>C ₁₆ – C ₃₄	27,000
>C ₃₄ – C ₄₀	38,000

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4.2.1 *Limitations of the Assessment Criteria*

All criteria have limitations. Not all chemical analytes are covered by each set of guidelines, requiring some criteria to be sourced from elsewhere. This is particularly relevant to the Dutch Intervention guidelines, which provide a guideline for assessment for some analytes not covered by the Australian guidelines. Only criteria relevant to Australia have been used in the interpretation of analytical data on the site.



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5.0 Conclusion

The SAQP developed for the Contamination Impact Assessment for Bylong Coal Project is a judgemental sampling strategy. Generally the areas of previous significant disturbance, areas of continual pastoral improvement or areas of chemical and hydrocarbon storage will be sampled to ascertain the contamination status of these areas. This SAQP is not designed for a Phase 2 Detailed Site Investigation; it is designed for a Phase 1 Site Investigation.



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Figures 1, 2 and 3

Proposed Sample Locations

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DLA environmental

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Maitland NSW 2335
Tel: 02-49330001

Figure:	1
Date:	04.20

Project no::	DLH1151
Revision:	1



- Approximate Sampling Location
- Approximate Roadway Sampling Location



Sydney
Unit 2B/30 Leighton Place
Hornsby NSW 2077
Tel: 02-94761765
Fax: 02-94761557

Maitland
42B Church Street
Maitland NSW 2335
Tel: 02-49330001

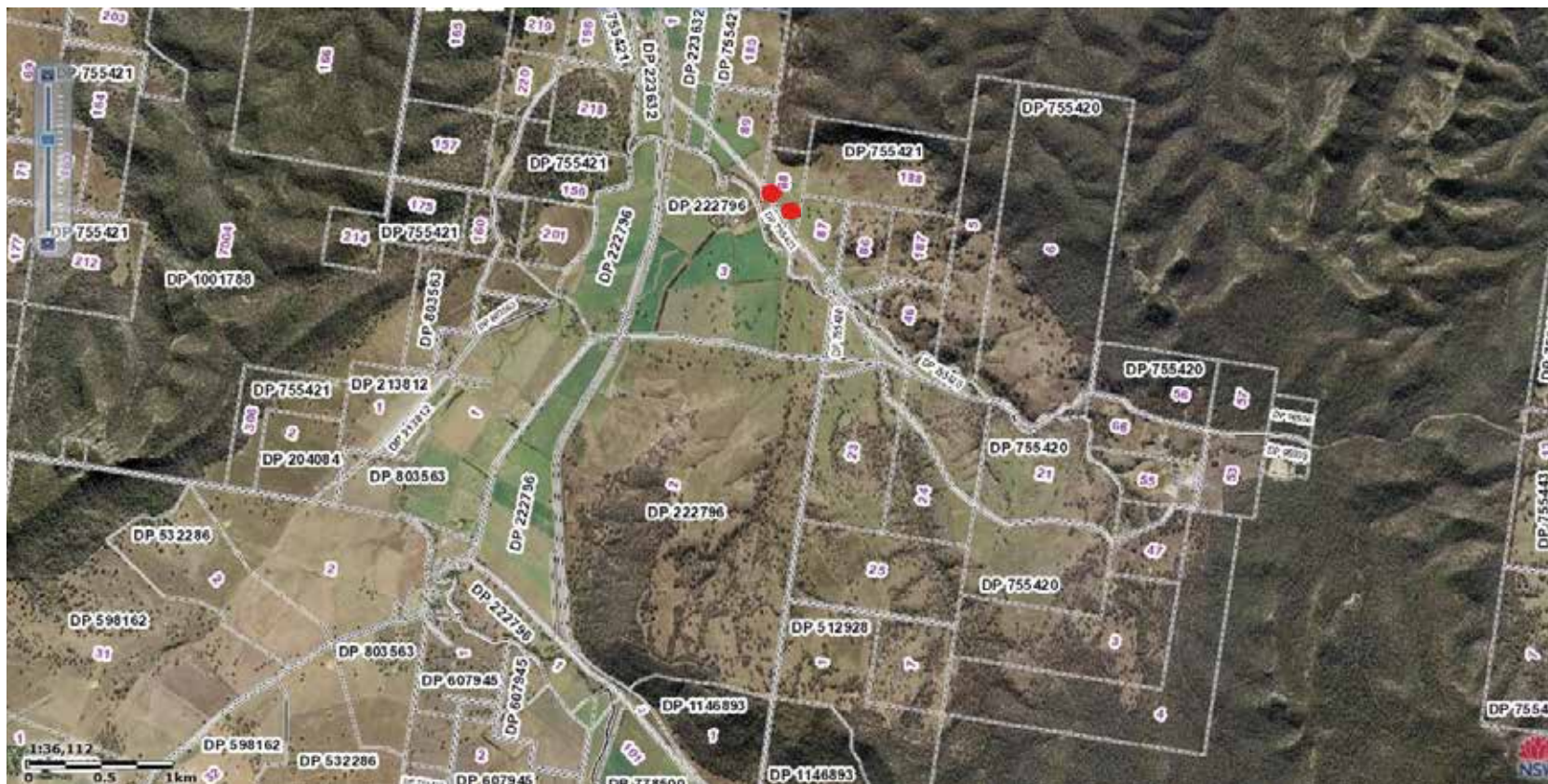
Title: Sampling locations for the Rail and Road Upgrades, Bylong Valley NSW

Figure: 2

Project no.: DLH1151

Date: 04.2014

Revision: 1



Approximate Sampling Location



Sydney
Unit 2B/30 Leighton Place
Hornsby NSW 2077
Tel: 02-94761765
Fax: 02-94761557

Maitland
42B Church Street
Maitland NSW 2335
Tel: 02-49330001

Title: Sampling locations for the Infrastructure area,
Bylong Valley, NSW.

Figure: 3
Date: 04.2014

Project no.: DLH1151
Revision: 1