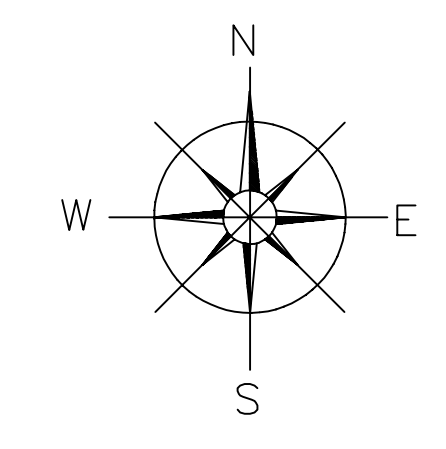
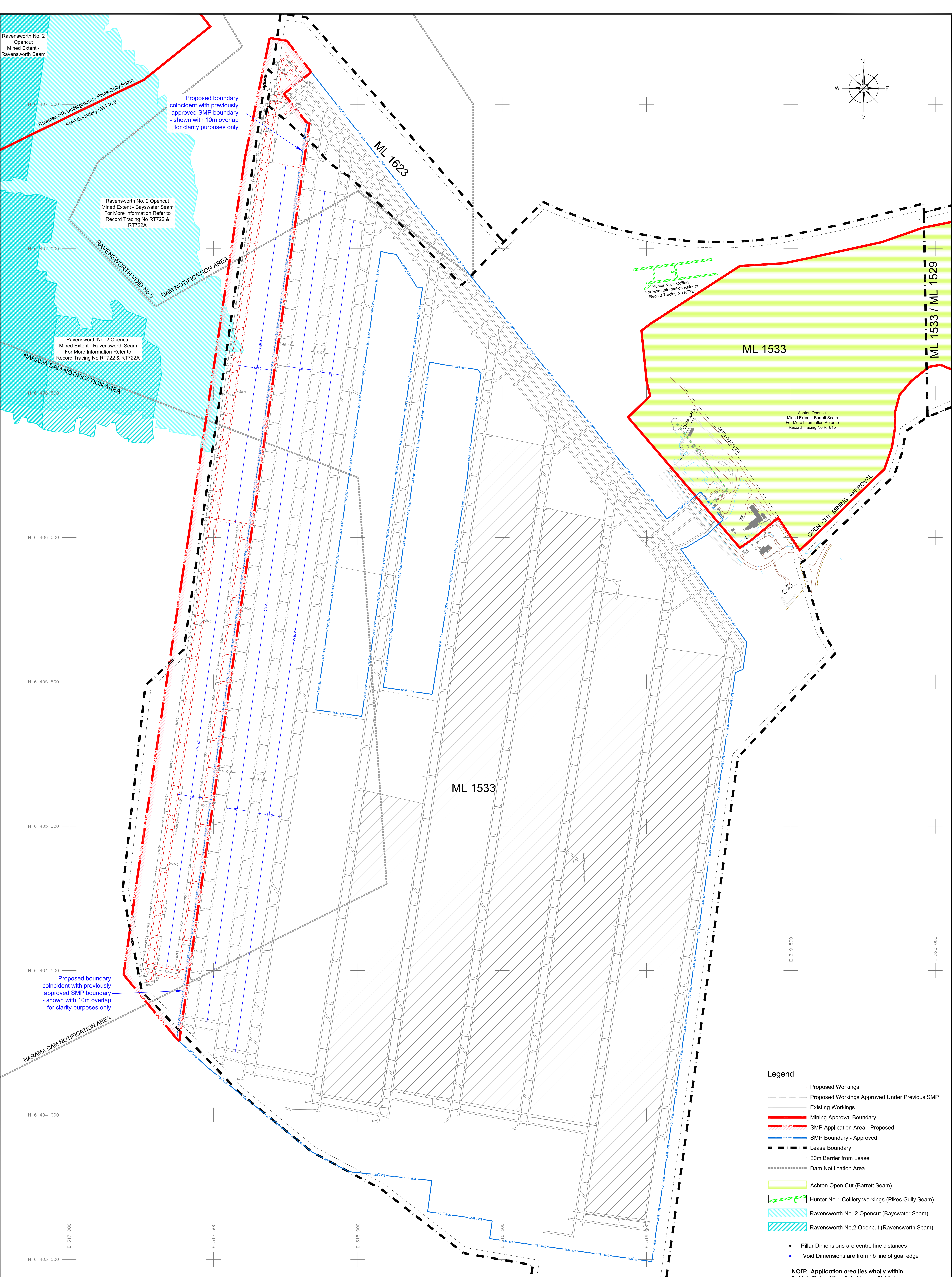




ASHTON UNDERGROUND MINE
SUBSIDENCE MANAGEMENT PLANS
PROPOSED LONGWALL / MINIWALL 9
PIKES GULLY SEAM

Contents

Plan:	SMP Approved Plan
Plan 1A:	Proposed SMP Boundary and Workings
Plan 1B:	Aerial Photograph with Proposed SMP Boundary
Plan 2:	Surface Features
Plan 3A:	Geological Data - Pikes Gully - Seam Thickness Contours
Plan 3B:	Geological Data - Pikes Gully - Depth of Cover Contours
Plan 5:	Mining Titles and Land Ownership
Plan 6:	Geological Strata Sections

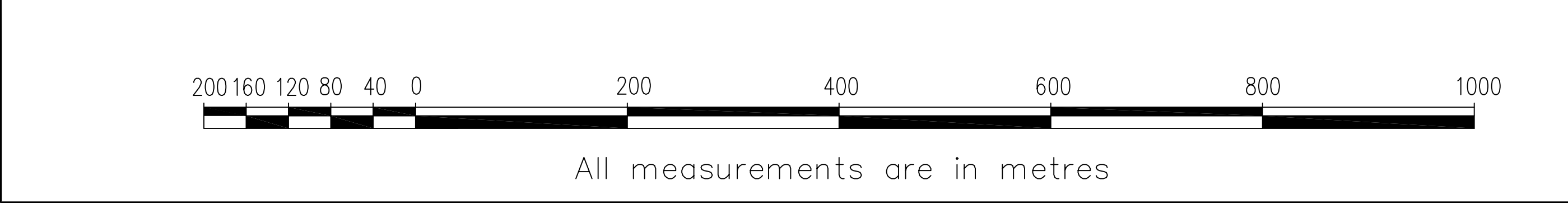


Ravensworth No. 2 Opencut Mined Extent - Ravensworth Seam
 Ravensworth Underground - Pikes Gully Seam
 SMP Boundary LW1 to 9

Ravensworth No. 2 Opencut Mined Extent - Bayswater Seam
 For More Information Refer to Record Tracing No RT722 & RT722A

Ravensworth No. 2 Opencut Mined Extent - Ravensworth Seam
 For More Information Refer to Record Tracing No RT722 & RT722A

N 6 407 500
 N 6 407 000
 N 6 406 500
 N 6 406 000
 N 6 405 500
 N 6 405 000
 N 6 404 500
 N 6 404 000
 N 6 403 500



Legend

- Proposed Workings
- Proposed Workings Approved Under Previous SMP
- Existing Workings
- Mining Approval Boundary
- SMP Application Area - Proposed
- SMP Boundary - Approved
- Lease Boundary
- 20m Barrier from Lease
- Dam Notification Area
- Ashton Open Cut (Barrett Seam)
- Hunter No.1 Colliery workings (Pikes Gully Seam)
- Ravensworth No. 2 Opencut (Bayswater Seam)
- Ravensworth No.2 Opencut (Ravensworth Seam)

- Pillar Dimensions are centre line distances
- Void Dimensions are from rib line of goaf edge

NOTE: Application area lies wholly within Patrick Plains Mine Subsidence District

AshtonCoal
 PO Box 699 Singleton NSW 2330
 Phone 61+ 02 6576 1111 Fax 61+ 02 6576 1122

ASHTON UNDERGROUND MINE PROPOSED LW / MW 9 - PIKES GULLY SEAM SMP PLAN No.1A - Proposed SMP Boundary					Drawing No. A-4071_A
Date 12/05/2010	Scale: 1:4000	Drawn JJP	Checked PF	Approved BW	Revision No.
					Sheet Size A0



Proposed boundary coincident with previously approved SMP boundary - shown with 10m overlap for clarity purposes only

RAVENSWORTH No 2 REHABILITATION

RAVENSWORTH No 2 VOID

RAVENSWORTH VOID No. F DAM NOTIFICATION AREA

NARAMA DAM NOTIFICATION AREA

ML 1623

BETTYS CREEK

MAIN NORTHERN RAILWAY

ASHTON OPEN CUT MINE

ML 1533

ML 1533 / ML 1529

NEW ENGLAND HIGHWAY

BOWMANS CREEK

ML 1533

GLENWIES CREEK

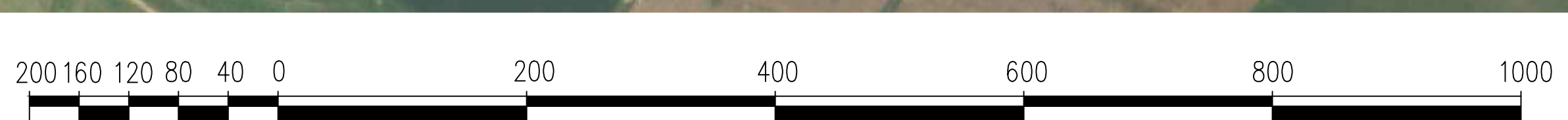
HUNTER RIVER

Proposed boundary coincident with previously approved SMP boundary - shown with 10m overlap for clarity purposes only

Legend

- Proposed Workings
- Proposed Workings Approved Under Previous SMP
- Existing Workings
- SMP Application Area - Proposed
- SMP Boundary - Approved
- Lease Boundary
- Dam Notification Area

NOTE: Application area lies wholly within Patrick Plains Mine Subsidence District



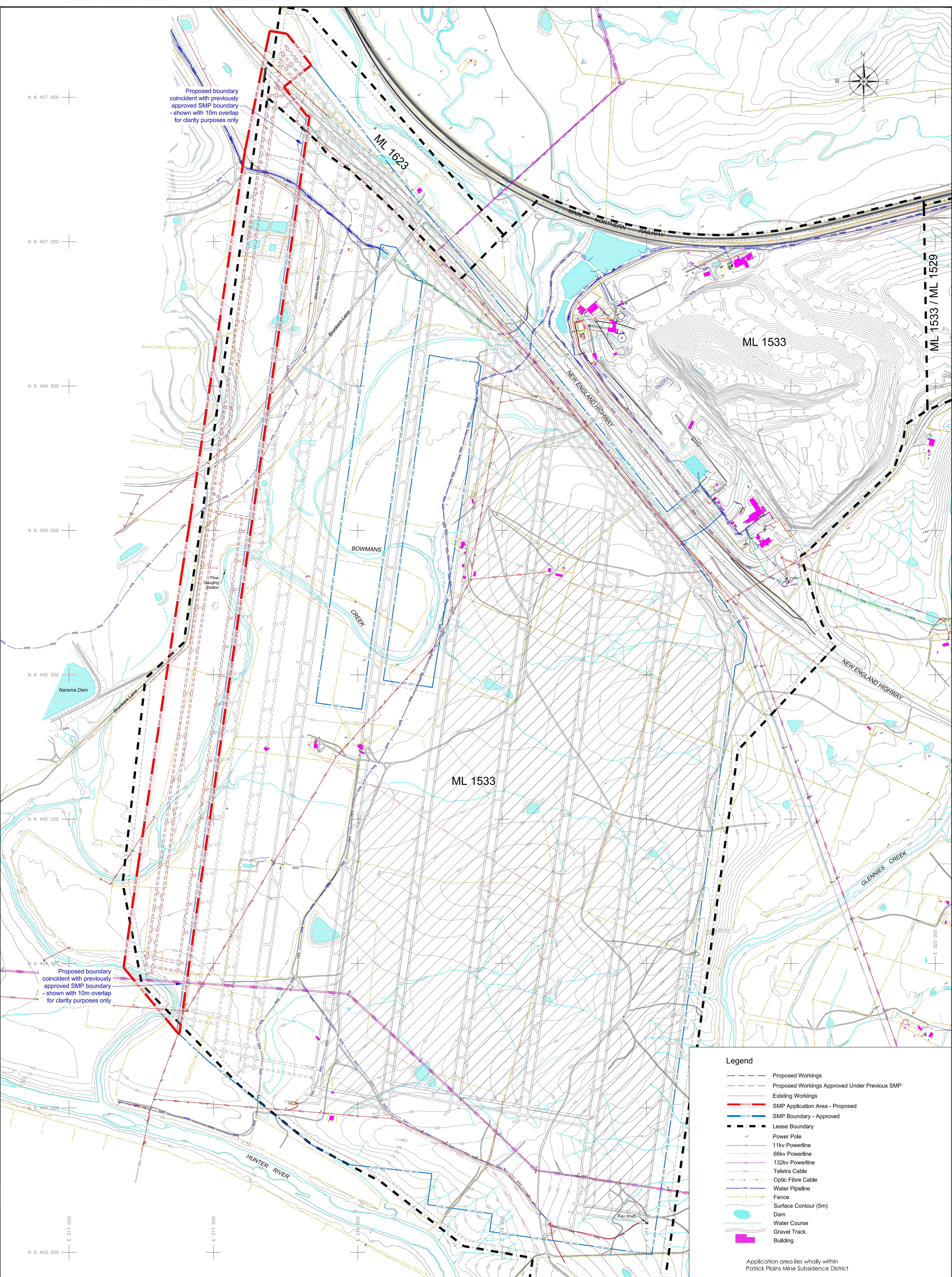
All measurements are in metres

AshtonCoal
 PO Box 699 Singleton NSW 2330
 Phone 61+02 6576 1111 Fax 61+02 6576 1122

ASHTON UNDERGROUND MINE
PROPOSED LW / MW 9 - PIKES GULLY SEAM
SMP PLAN No.1B - Aerial Photograph with Proposed SMP Boundary

Date	Scale:	Drawn	Checked	Approved
12/05/2010	1:4000	JJP	PF	BW

Drawing No.
A-4071_B
 Revision No.
 Sheet Size
AO



Proposed boundary coincident with previously approved SMP boundary - shown with 10m overlap for clarity purposes only

Proposed boundary coincident with previously approved SMP boundary - shown with 10m overlap for clarity purposes only

- Legend**
- Proposed Workings
 - Proposed Workings Approved Under Previous SMP
 - Existing Workings
 - SMP Application Area - Proposed
 - SMP Boundary - Approved
 - Lease Boundary
 - Power Pole
 - 11kv Powerline
 - 66kv Powerline
 - 132kv Powerline
 - Telstra Cable
 - Optic Fibre Cable
 - Water Pipeline
 - Fence
 - Surface Contour (5m)
 - Dam
 - Water Course
 - Gravel Track
 - Building

Application area lies wholly within Patrick Plains Mine Subsidence District

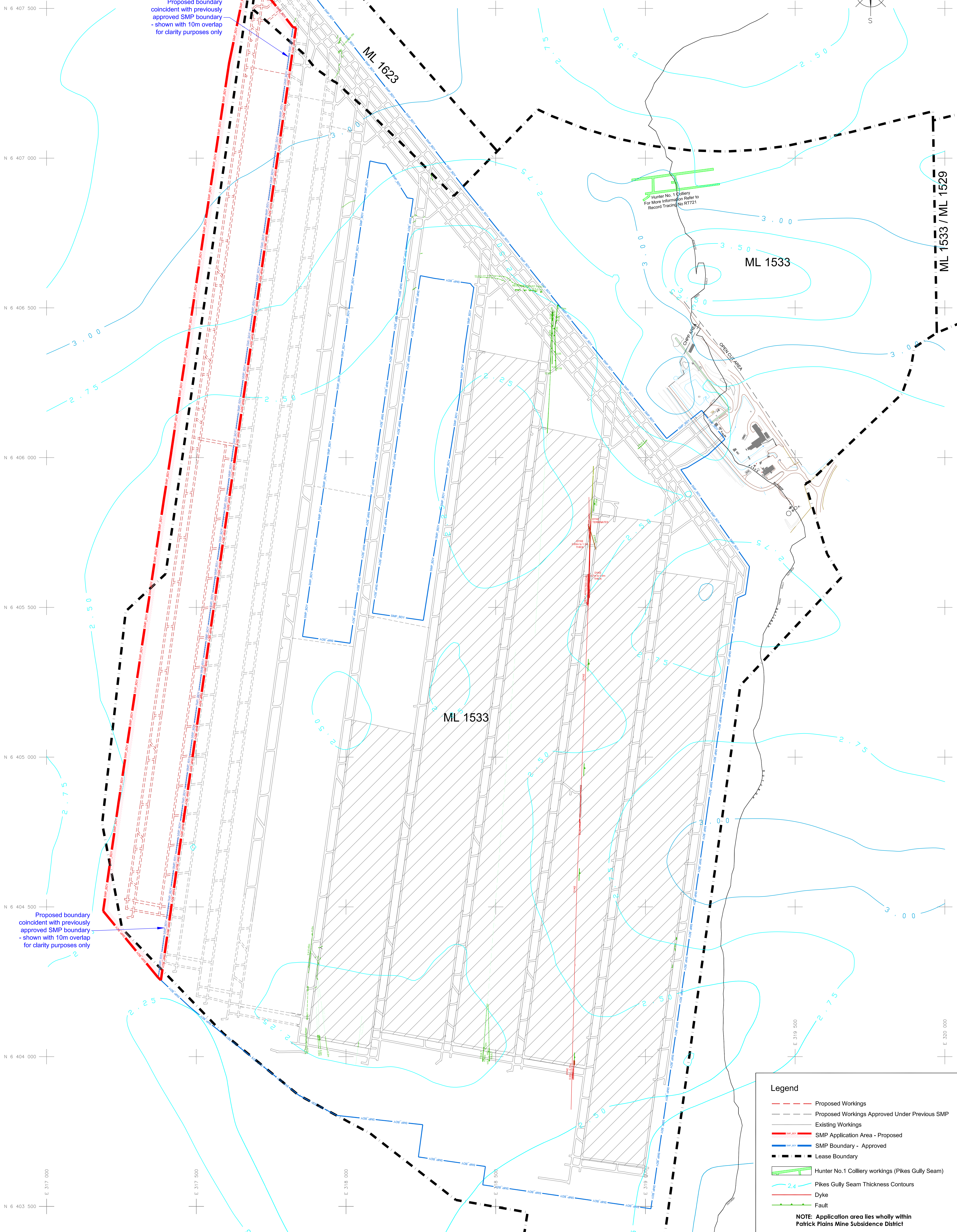
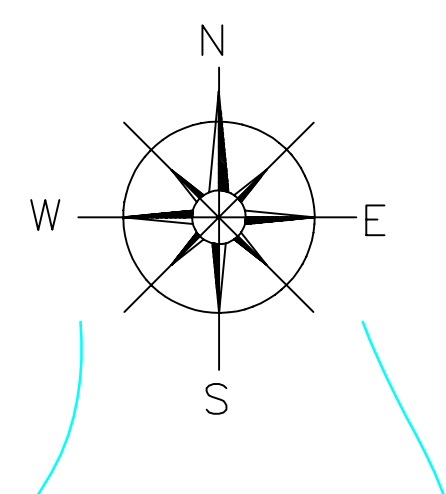


All measurements are in metres

AshtonCoal
 PO Box 699 Singleton NSW 2330
 Phone 61+ 02 6576 1111 Fax 61+ 02 6576 1122

**ASHTON UNDERGROUND MINE
 PROPOSED LW / MW 9 - PIKES GULLY SEAM
 SMP PLAN No.2 - Surface Features**

Date 12/05/2010	Scale: 1:4000	Drawn JJP	Checked PH	Approved BW	Drawing No. A-4072
					Revision No.
					Sheet Size A0

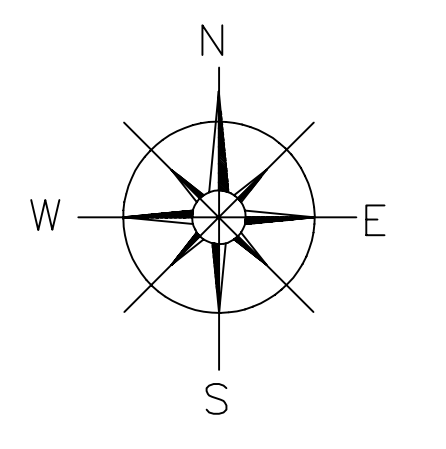


All measurements are in metres

AshtonCoal
PO Box 699 Singleton NSW 2330
Phone 61+ 02 6576 1111 Fax 61+ 02 6576 1122

ASHTON UNDERGROUND MINE					Drawing No.
PROPOSED LW / MW 9 - PIKES GULLY SEAM					A-4073_ISO
SMP PLAN No. 3A - Geological Data - Seam Thickness					Revision No.
Date	Scale:	Drawn	Checked	Approved	Sheet Size
12/05/2010	1:4000	JJP	PF	BW	A0

Legend	
	Proposed Workings
	Proposed Workings Approved Under Previous SMP
	Existing Workings
	SMP Application Area - Proposed
	SMP Boundary - Approved
	Lease Boundary
	Hunter No.1 Colliery workings (Pikes Gully Seam)
	Pikes Gully Seam Thickness Contours
	Dyke
	Fault
NOTE: Application area lies wholly within Patrick Plains Mine Subsidence District	



N 6 407 500
N 6 407 000
N 6 406 500
N 6 406 000
N 6 405 500
N 6 405 000
N 6 404 500
N 6 404 000
N 6 403 500

200 160 120 80 40 0 200 400 600 800 1000

All measurements are in metres

Proposed boundary coincident with previously approved SMP boundary - shown with 10m overlap for clarity purposes only

Proposed boundary coincident with previously approved SMP boundary - shown with 10m overlap for clarity purposes only

ML 1623

ML 1533

ML 1533

ML 1533 / ML 1529

Hunter No. 1 Colliery
For More Information Refer to
Resource Tracing No RT721

Chipp Area
Open Cut Area

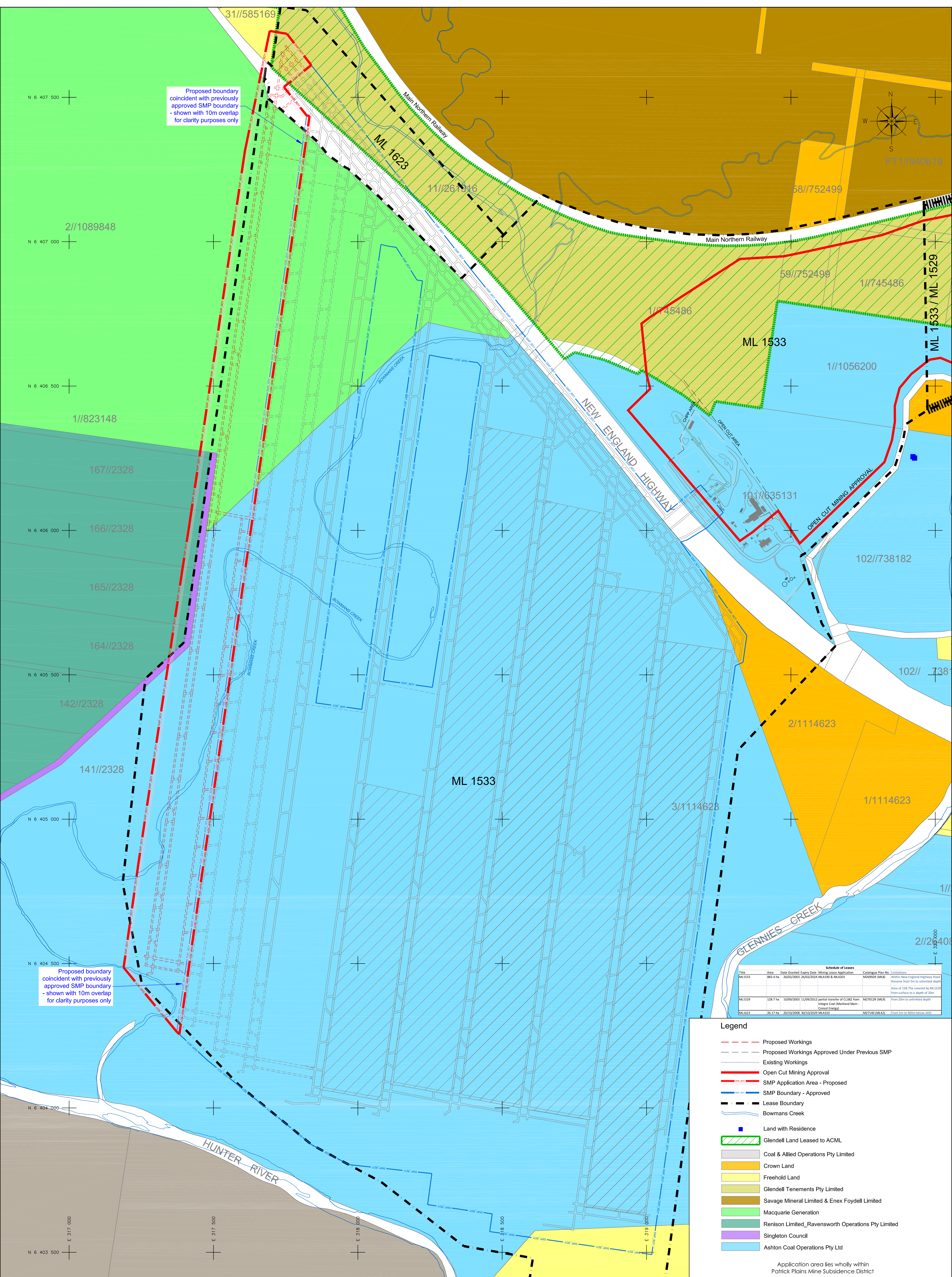
Legend

- Proposed Workings
- Proposed Workings Approved Under Previous SMP
- Existing Workings
- SMP Application Area - Proposed
- SMP Boundary - Approved
- Lease Boundary
- Hunter No.1 Colliery workings (Pikes Gully Seam)
- Pikes Gully Seam Depth of Cover Contours
- Dyke
- Fault

NOTE: Application area lies wholly within Patrick Plains Mine Subsidence District

AshtonCoal
 PO Box 699 Singleton NSW 2330
 Phone 61+ 02 6576 1111 Fax 61+ 02 6576 1122

ASHTON UNDERGROUND MINE PROPOSED LW / MW 9 - PIKES GULLY SEAM SMP PLAN No. 3B - Geological Data - Depth of Cover				Drawing No. A-4073_DoC
Date 12/05/2010	Scale: 1:4000	Drawn JJP	Checked PF	Approved BW
				Revision No. Sheet Size A0

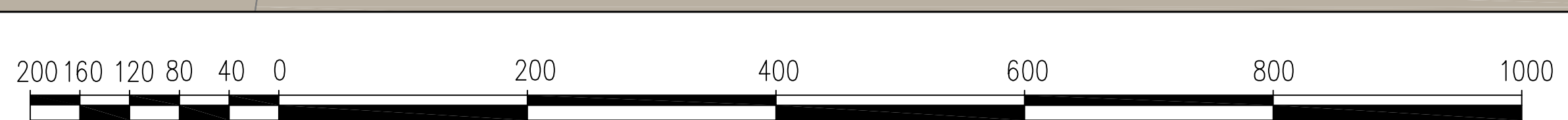


Proposed boundary coincident with previously approved SMP boundary - shown with 10m overlap for clarity purposes only



Title	Area	Date	Granted	Expiry	Date	Mining Lease Application	Catalogue Plan No.	Limitations
ML1533	883.4 ha	26/02/2005	26/02/2024	MLA190 & ML4201	M20929 (ML8)	Within New England Highway Road Reserve from 5m to unlimited depth		
ML1529	128.7 ha	10/09/2003	31/09/2012	partial transfer of CL88 from Ingeco Coal (Mined Main Coal Energy)	M270128 (ML9)	Area of 128.7ha covered by ML1529 from surface to a depth of 20m		
ML1623	26.17 ha	20/02/2008	30/10/2029	MLA1010	M27140 (ML43)	From 5m to 300m below AAD		

- Legend**
- Proposed Workings
 - Proposed Workings Approved Under Previous SMP
 - Existing Workings
 - Open Cut Mining Approval
 - SMP Application Area - Proposed
 - SMP Boundary - Approved
 - Lease Boundary
 - Bowmans Creek
 - Land with Residence
 - ▨ Glendell Land Leased to ACML
 - ▨ Coal & Allied Operations Pty Limited
 - ▨ Crown Land
 - ▨ Freehold Land
 - ▨ Glendell Tenements Pty Limited
 - ▨ Savage Mineral Limited & Enex Foydell Limited
 - ▨ Macquarie Generation
 - ▨ Renison Limited_Ravensworth Operations Pty Limited
 - ▨ Singleton Council
 - ▨ Ashton Coal Operations Pty Ltd

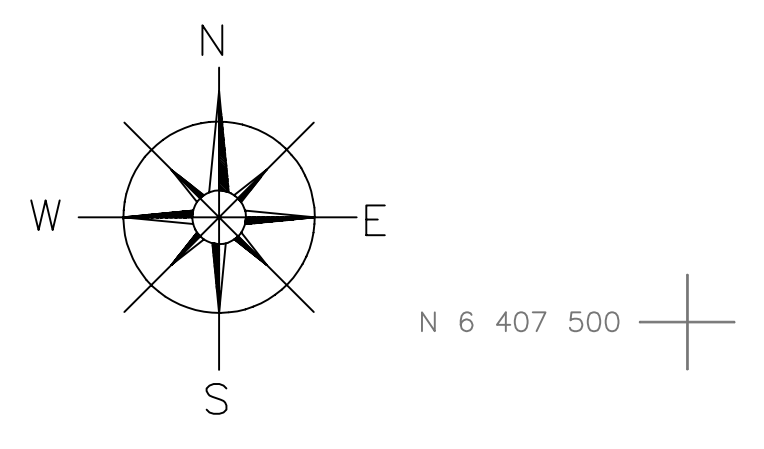
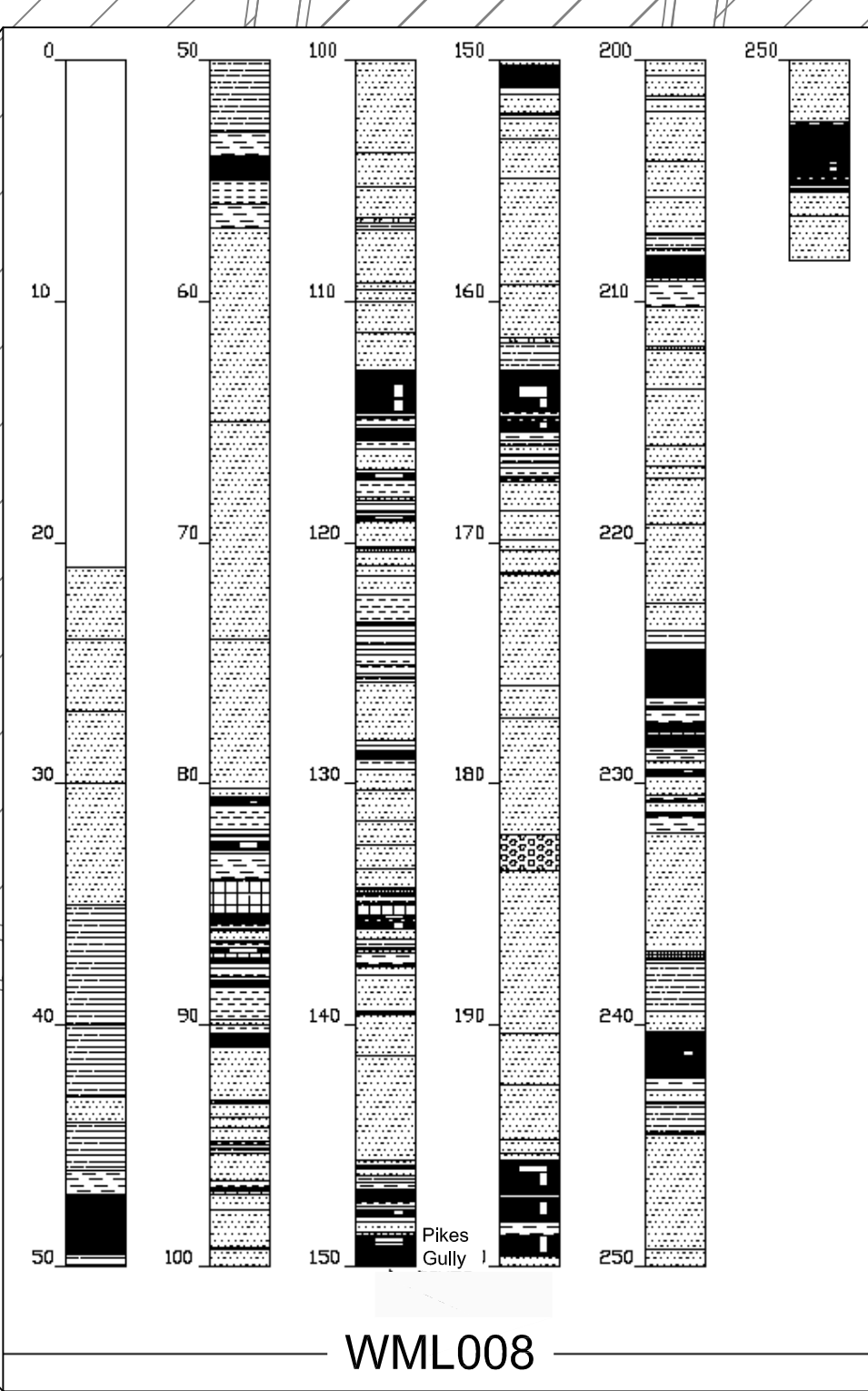
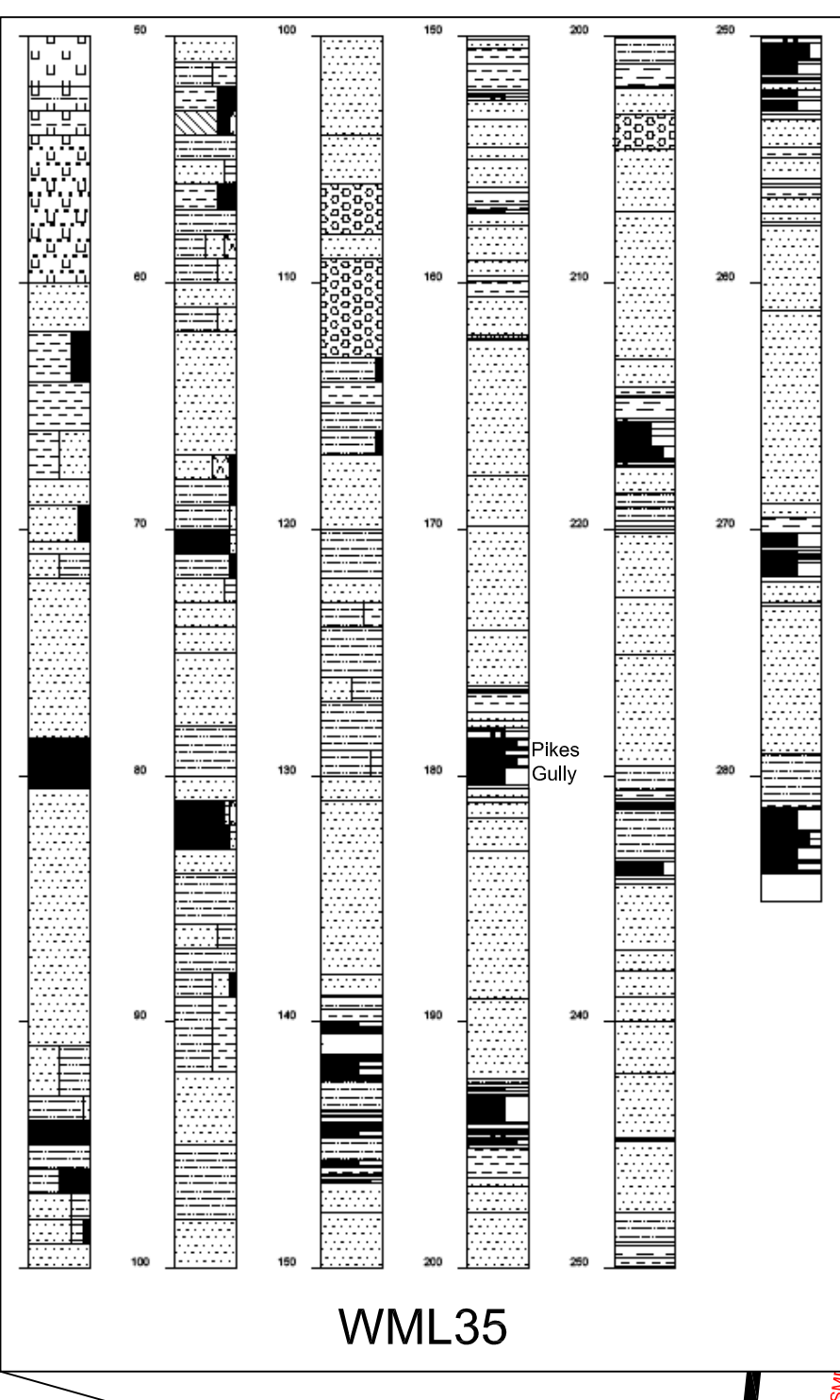
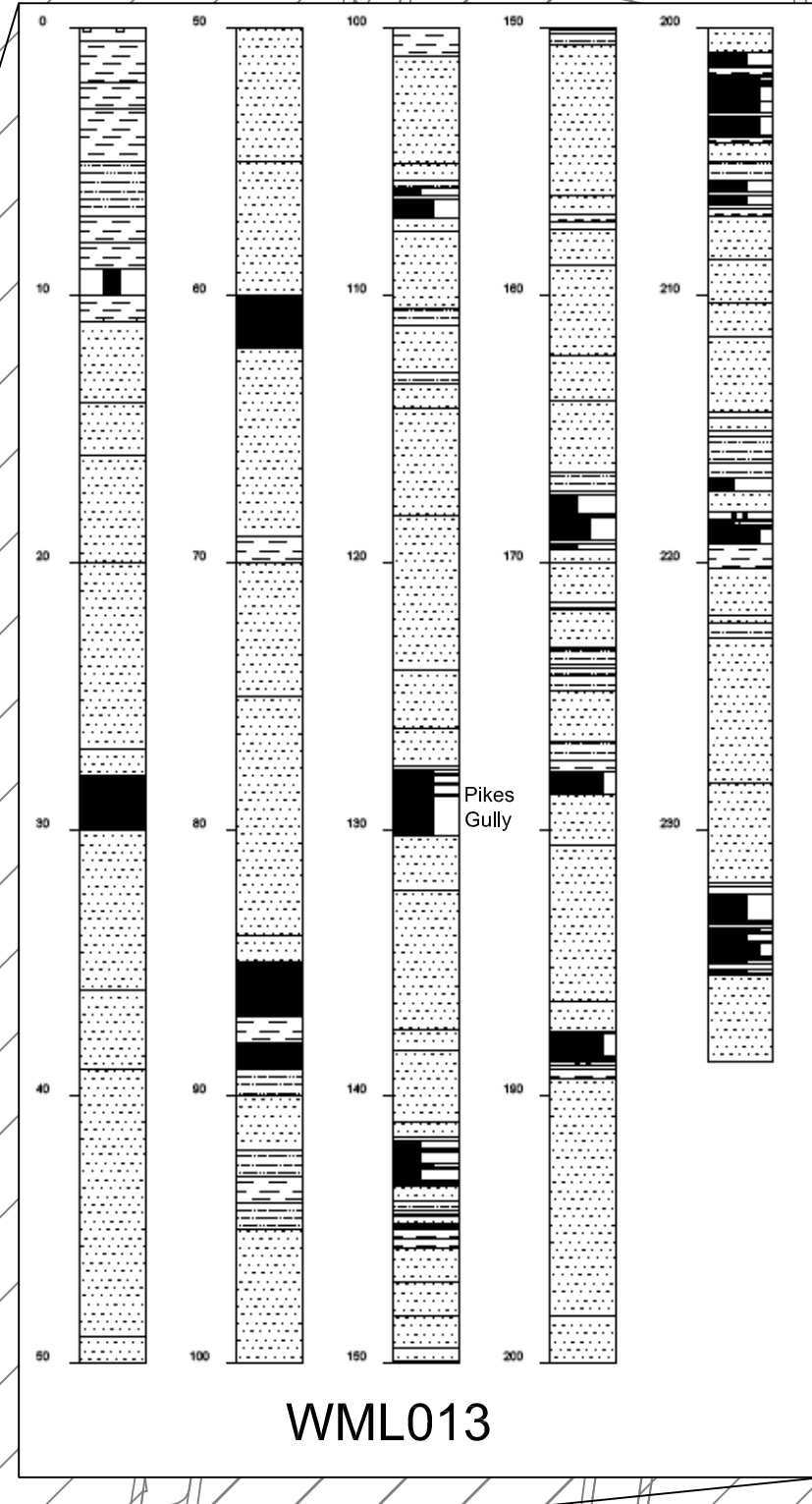
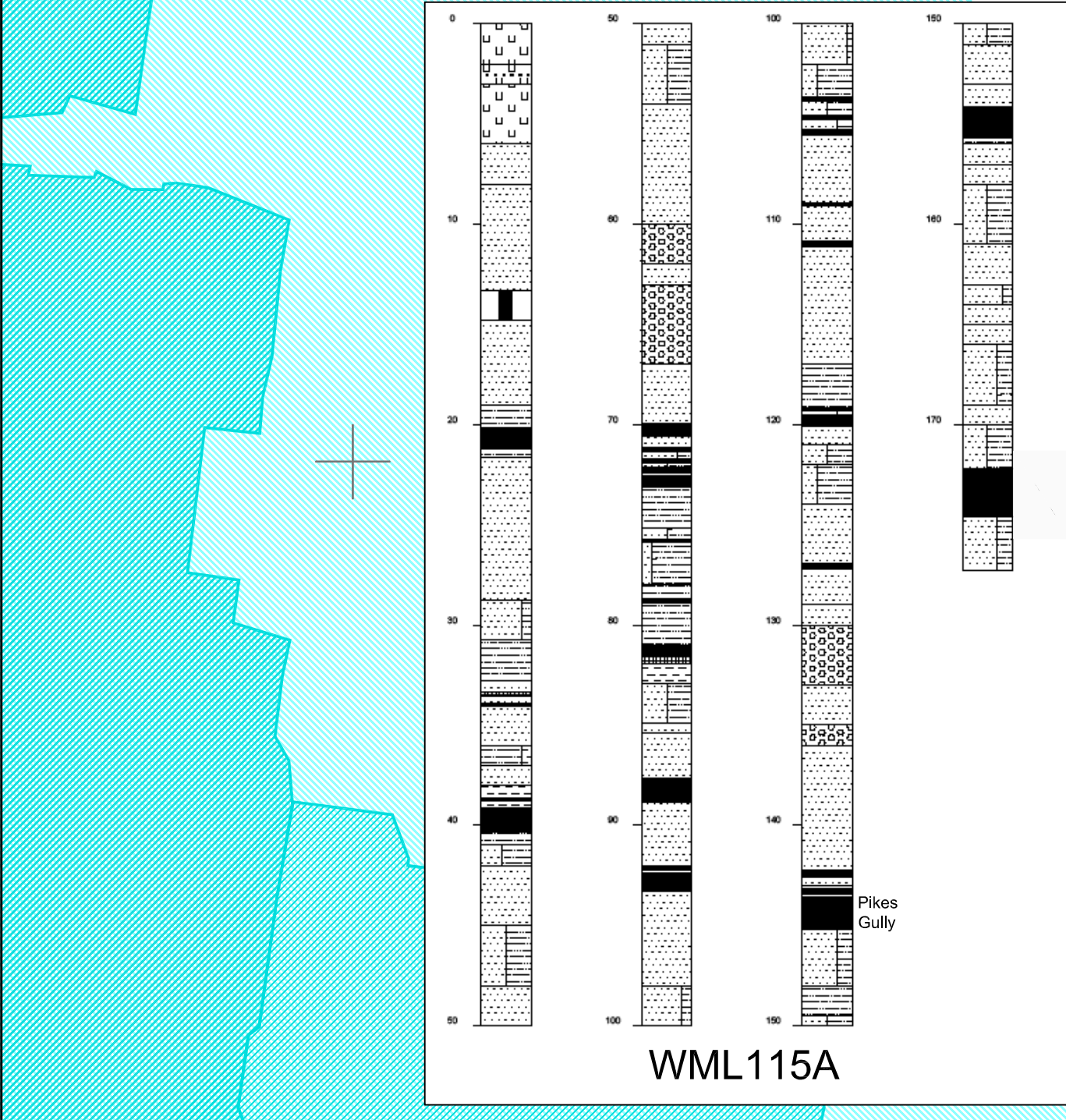
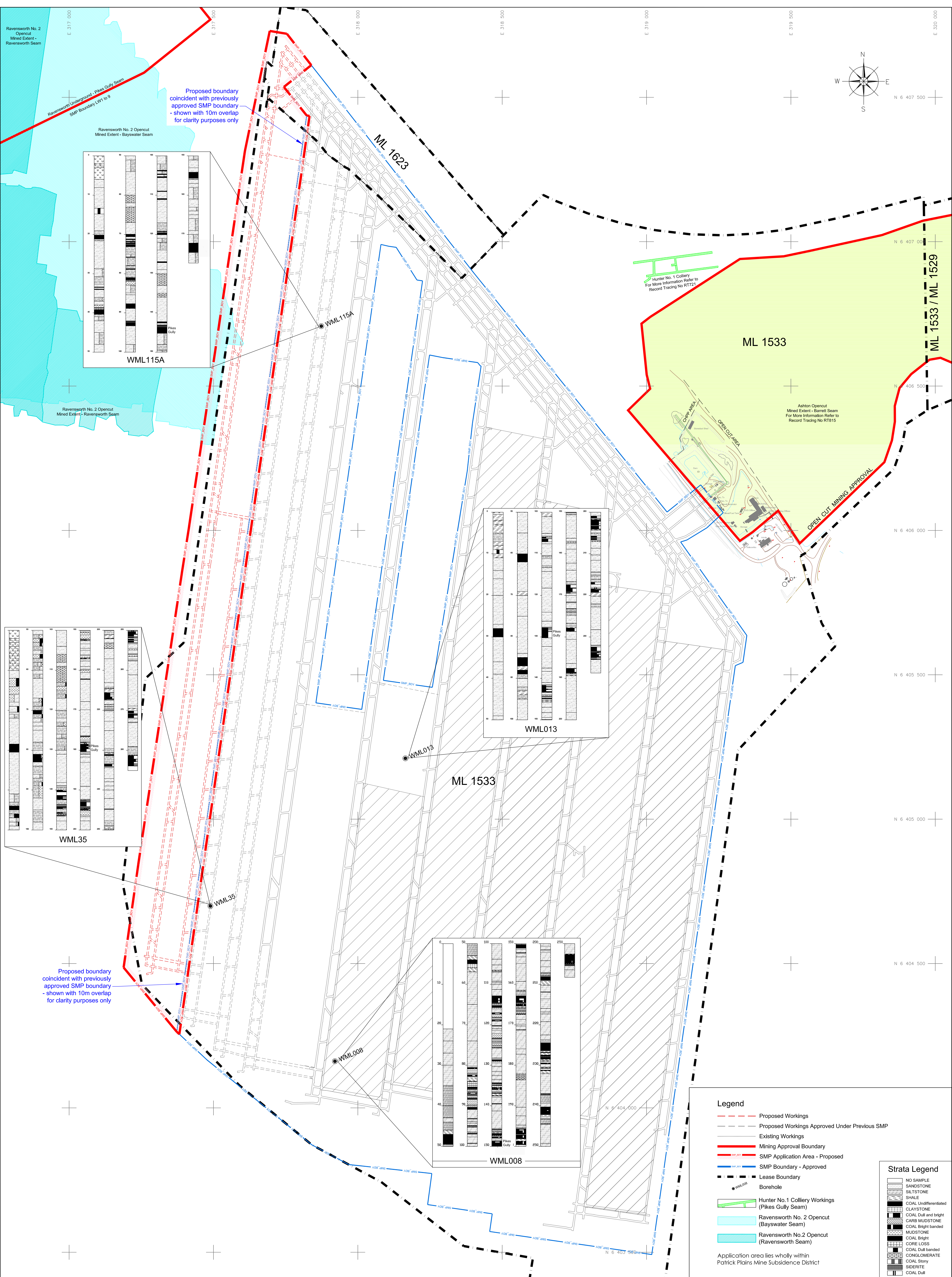


All measurements are in metres

AshtonCoal
 PO Box 699 Singleton NSW 2330
 Phone 61+ 02 6576 1111 Fax 61+ 02 6576 1122

ASHTON UNDERGROUND MINE PROPOSED LW / MW 9 - PIKES GULLY SEAM SMP PLAN No.5 - Mining Titles and Land Ownership		Drawing No. A-4075
Date 12/05/2010	Scale: 1:4000	Revision No.
Drawn JJP	Checked PF	Sheet Size A0
Approved BW		

Application area lies wholly within Patrick Plains Mine Subsidence District



- Legend**
- - - Proposed Workings
 - - - Proposed Workings Approved Under Previous SMP
 - - - Existing Workings
 - Mining Approval Boundary
 - SMP Application Area - Proposed
 - SMP Boundary - Approved
 - - - Lease Boundary
 - Borehole
 - Hunter No.1 Colliery Workings (Pikes Gully Seam)
 - Ravensworth No. 2 Opencut (Bayswater Seam)
 - Ravensworth No.2 Opencut (Ravensworth Seam)
- Application area lies wholly within Patrick Plains Mine Subsidence District

- Strata Legend**
- NO SAMPLE
 - SANDSTONE
 - SILTSTONE
 - SHALE
 - COAL Undifferentiated
 - CLAYSTONE
 - COAL Dull and bright
 - CARB MUDSTONE
 - COAL Bright banded
 - MUDSTONE
 - COAL Bright
 - CORE LOSS
 - COAL Dull banded
 - CONGLOMERATE
 - COAL Story
 - SIDERITE
 - COAL Dull

AshtonCoal
 PO Box 699 Singleton NSW 2330
 Phone 61+ 02 6576 1111 Fax 61+ 02 6576 1122

ASHTON UNDERGROUND MINE PROPOSED LW / MW 9 - PIKES GULLY SEAM SMP PLAN No.6 - Geological Strata Sections		Drawing No. A-4076
Date 12/05/2010	Scale: 1:4000	Revision No.
Drawn JJP	Checked PF	Sheet Size A0
Approved BW		

All measurements are in metres