COAL ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT:
Coal Assessment Report on the Perry Creek coal property – volume 2: geological studies

TOTAL COST: $15,000

AUTHOR(S): **C.G. Cathyl-Huhn P.Geo.**
SIGNATURE(S):
NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):

YEAR OF WORK: **2014 and 2015**

PROPERTY NAME: **Perry Creek**

COAL LICENSE(S) AND/OR LEASES ON WHICH PHYSICAL WORK WAS DONE: Coal Licence **391198** and Lease **414696**

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: **93P 025**
MINING DIVISION: **Liard (Peace region)**
NTS / BCGS: **NTS 93P/3 BCGS 093P.004**
LATITUDE: **55° 15' 40" N**
LONGITUDE: **121° 06' 00" W** (at centre of work)
UTM Zone: **10N** EASTING: **611000** NORTHING: **6105000**

OWNER(S): **Wolverine Coal Partnership**
MAILING ADDRESS: **235 Front Street (P.O. Box 2140), Tumbler Ridge, B.C. V0C 2W0**

OPERATOR(S): **Wolverine Coal Partnership**
MAILING ADDRESS: **235 Front Street (P.O. Box 2140), Tumbler Ridge, B.C. V0C 2W0**

REPORT KEYWORDS
bituminous coal, coal facies mapping, stratigraphic studies, Fort St. John Group, Gates Formation, Torrens Member, Falher Member, Notikewin Member, Hulcross Formation, Boulder Creek Formation, Quaternary, Drift, Perry Creek folds, Fortress Mountain folds

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:
Coal Assessment Reports 967 (primary reference); 597, 606, 739, 746 (secondary references); Petroleum Assessment Report 863.

SUMMARY OF TYPES OF WORK IN THIS REPORT		EXTENT OF WORK (in metric units)	ON WHICH TENURES
GEOLOGICAL (scale, area)			
	Stratigraphic and facies mapping (office work)	**property-wide: 3424 hectares**	**391198 and 414696**
	Ground, mapping	**none**	
	Photo interpretation	**none**	
GEOPHYSICAL (line-kilometres)			
	Ground	**none**	
	(Specify types)	**none**	
	Airborne	**none**	
	(Specify types)	**none**	
	Borehole		
	Gamma	**none**	
	Resistivity	**none**	
	Caliper	**none**	
	Deviation	**none**	
	Dipmeter	**none**	
	Others (specify types)	**none**	
	Core – 157 boreholes	**none**	
	Non-core – 132 boreholes	**none**	
SAMPLING AND ANALYSES			
Total # of Samples: **nil**			
	Proximate	**none**	
	Ultimate	**none**	
	Petrographic	**none**	
	Vitrinite reflectance	**none**	
	Coking	**none**	
	Wash tests (**float-sink tests**)	**none**	
PROSPECTING (scale/area)		**none**	
PREPARATORY/PHYSICAL		**none**	
Line/grid (km)		**none**	
Trench (number, metres)		**none**	
Bulk sample(s)		**none**	

Section 5 and part of Section 9 remain confidential under the terms of the Coal Act Regulation, and have been removed from the public version.

http://www.bclaws.ca/civix/document/id/complete/statreg/251_2004

1 Table of contents

1.1 List of tables

1.2 List of maps

2 Introduction and situation

This report, titled *Coal Assessment Report on the Perry Creek coal property – volume 2: geological studies*, is intended to document current (years 2014 and 2015) office-based, non-disturbant geological investigations, within the context of a modern understanding of the structural and stratigraphic geology of a group of Crown coal tenures comprising one Coal Licence, numbered 391198, and one Coal Lease, numbered 414696.

These tenures were awarded by the Crown to Western Canadian Coal Corp. (WCCC) on December 11, 2001 and November 2, 2004, respectively, and subsequently acquired by Walter Energy Inc. and associated firms – including the Wolverine Coal Partnership (WCP) – in the course of a corporate merger in 2011.

No disturbant physical exploratory work has been conducted upon the property since the completion of the year-2013 drilling programme. Available records, of all known year-2001 and more recent coal-exploration boreholes within the property, have previously been presented within Coal Assessment Report No. 967 (CAR-967), submitted to the Crown in January of 2015.

In keeping with the provisions of the *Coal Act* and the *Coal Act Regulation*, the main body and certain appendices of CAR-967 shall be held as confidential by the British Columbia Geological Survey until early in 2018, but it shall thereafter be available via the Province's coal-assessment report COALFILE webspace. Other appendices of CAR-967, dealing with clean-coal quality, clean-coal petrography, gas-desorbtion tests, and coking tests, shall be held as confidential so long as the Perry Creek coal property is continuously maintained in good standing under the *Coal Act* and the *Coal Act Regulation*.

Older (prior to year-2001) 'historic' exploratory work, comprising drilling, geological mapping, and supporting analytical work, was done by Denison Mines Ltd. and Quintette Coal Corporation, the previous owners of the Perry Creek property. Historic work is well-documented in several previously-submitted coal assessment reports (Chowdry, 1971; Parkes, 1971; Gormley, 1974; Johnson, 1988 and 1989). Full bibliographic details for these and other relevant technical references are presented within **Section 8** of the present report.

Historic work was performed within the boundaries of a much larger coal property (the Quintette Property), within which the Perry Creek coal property constitutes a smaller subset of contiguous coal tenures. Only those older boreholes whose positions lie within the confines of the present Perry Creek property are here reported as on-tenure boreholes, as distinguished from nearby off-tenure boreholes whose relevance to the present study lies in their ‘gap-filling’ functionality in the course of structural and coal-correlation studies. Details of off-tenure boreholes may be found within the previously-mentioned historic coal assessment reports.

Western Canadian Coal Corporation (WCCC) and its successor companies have undergone a virtually-complete turnover of staff since the merger with Walter Energy Inc. None of the staff currently employed by Walter Energy Inc. and subsidiary firms were involved with the exploratory work conducted by WCCC in the early 2000s.

2.1 Location and access

General location of the property is depicted as **Map 2-1.** Coal tenure (as set forth in **Table 2-1**) is depicted in relation to the local topographic setting of the Perry Creek coal property as **Map 2-2**.

2.1.1 Railway access

The Perry Creek coal property is traversed by the Tumbler Ridge branch-line of CN Rail (originally constructed and operated by a provincial Crown corporation, BC Rail). Adjacent to the colliery buildings, railway-sidings and a coal-loading facility are present. Sufficient siding length is available to handle unit-trains of coal-carrying freight cars, along with their associated locomotives. Although upon its construction and for some years thereafter the railway was electrified, most of the electrification infrastructure has since been dismantled or abandoned in place, and the railway is now operated by means of Diesel locomotives.

Older base-maps show a turning-wye, formerly used for facing the railway's electric locomotives, situated about a kilometre north of the colliery buildings. This wye has since been dismantled, and partially covered by tailings-storage and water-management facilities.

The Tumbler Ridge branch-line connects to CN Rail's northern transcontinental main-line, which in turn passes through the city of Prince George and onward to the Ridley Island coal port on the northern coastline of British Columbia. More southerly rail connections, on the CN Rail and CP Rail lines, allow for the possibility of shipping Perry Creek coal from terminals at Squamish, North Vancouver and Roberts Bank (**Map 2-1**).

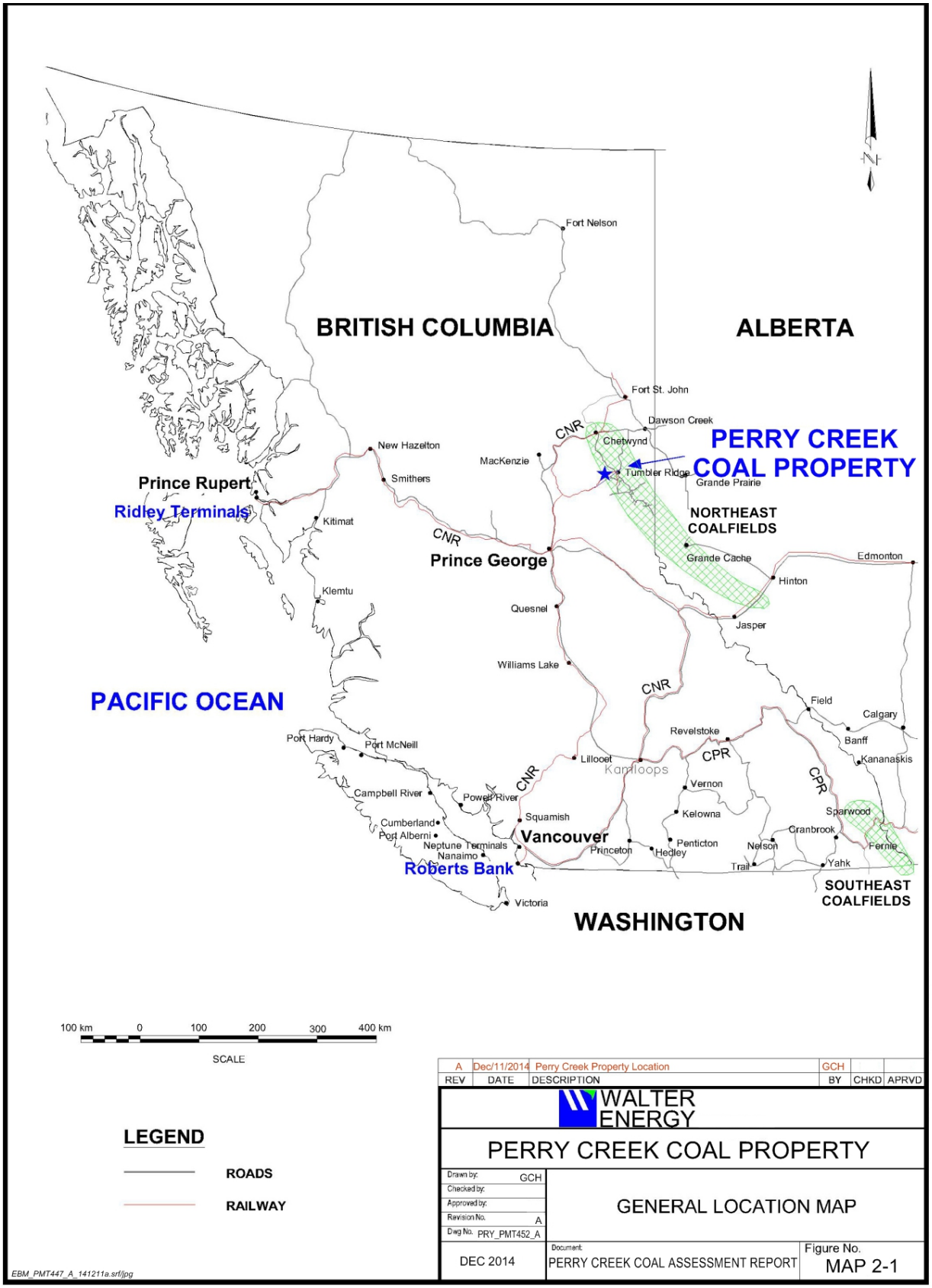
2.1.2 Road access

The Perry Creek coal property is accessible via all-weather highways and forest service roads, at a driving distance of 102 kilometres south from Chetwynd town, and 27 kilometres southwest from Tumbler Ridge town.

Highway access from Chetwynd is via route BC-29 towards (but not entering) Tumbler Ridge. At a distance of 85 kilometres from Chetwynd, turn right (westward) onto the Wolverine forest service road (FSR). The Wolverine FSR is an unpaved but well-constructed all-weather, radio-controlled industrial road. Perry Creek Mine and the associated buildings and coal-processing and loading facilities of Wolverine Colliery are situated at kilometre 17.3 of the Wolverine FSR.

2.1.3 Airborne access

An unattended, paved airstrip is situated south of Tumbler Ridge. The municipal airstrip is served by various chartered air-transportation firms, from airports at Prince George, Chetwynd and Dawson Creek. An abandoned grass airstrip, now overgrown and non-functional, lies within the valley-bottom of Wolverine River, northeast of Perry Creek Mine.


BRITISH COLUMBIA
ALBERTA
PACIFIC OCEAN
WASHINGTON
Fort Nelson
Fort St. John
Dawson Creek
Chetwynd
New Hazelton
MacKenzie
Tumbler Ridge
Grande Prairie
Smithers
Prince Rupert
Ridley Terminals
Kitimat
Prince George
Klemtu
Quesnel
Williams Lake
Grande Cache
Edmonton
Hinton
Jasper
Field
Calgary
Revelstoke
Banff
Kananaskis
Port Hardy
Port McNeill
Lillooet
Kamloops
Vernon
Kelowna
Sparwood
Cranbrook
Fernie
Campbell River
Powell River
Squamish
Vancouver
Princeton
Penticton
Hedley
Nelson
Trail
Yahk
Cumberland
Port Alberni
Neptune Terminals
Nanaimo
Roberts Bank
Victoria
CNR
CPR
PERRY CREEK
COAL PROPERTY
NORTHEAST
COALFIELDS
SOUTHEAST
COALFIELDS
N
100 km 0 100 200 300 400 km
SCALE
LEGEND
ROADS
RAILWAY
A Dec/11/2014 Perry Creek Property Location GCH
REV DATE DESCRIPTION BY CHKD APRVD
WALTER ENERGY
PERRY CREEK COAL PROPERTY
Drawn by: GCH
Checked by:
Approved by:
Revision No. A
Dwg No. PRY_PMT452_A
GENERAL LOCATION MAP
DEC 2014
Document: PERRY CREEK COAL ASSESSMENT REPORT
Figure No. MAP 2-1
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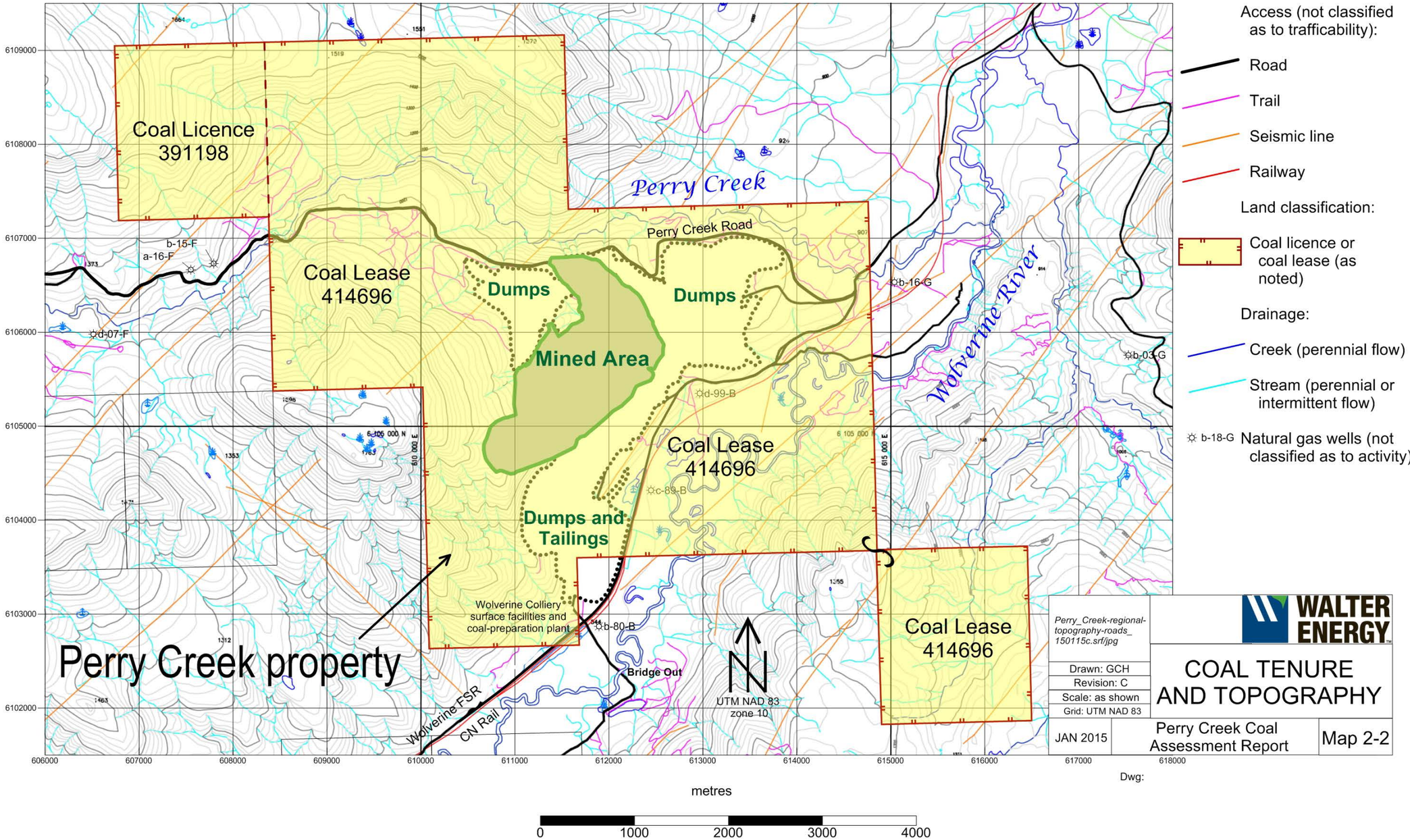
Coal Licence
391198
Coal Lease
414696
Coal Lease
414696
Coal Lease
414696
Perry Creek
Perry Creek Road
Dumps
Dumps
Mined Area
Dumps and
Tailings
Wolverine River
Wolverine Colliery
surface facilities and
coal-preparation plant
Bridge Out
Wolverine FSR
CN Rail
Perry Creek property
b-15-F
a-16-F
d-07-F
b-16-G
b-03-G
d-99-B
c-89-B
b-80-B
UTM NAD 83
zone 10
6109000
6108000
6107000
6106000
6105000
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6103000
6102000
606000
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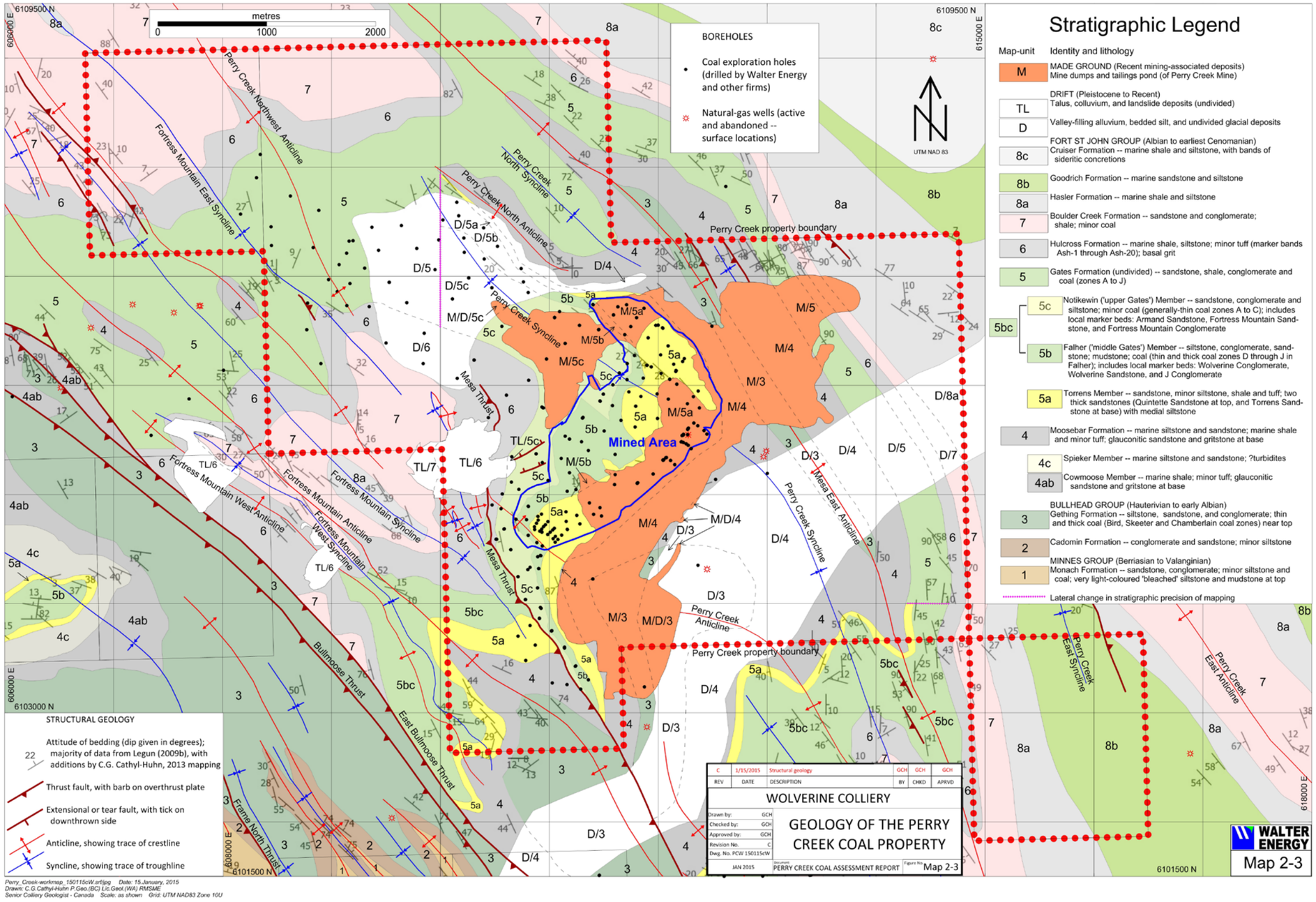
617000
618000
metres
0
1000
2000
3000
4000
Access (not classified as to trafficability):
Road
Trail
Seismic line
Railway
Land classification:
Coal licence or coal lease (as noted)
Drainage:
Creek (perennial flow)
Stream (perennial or intermittent flow)
b-18-G Natural gas wells (not classified as to activity)
Perry_Creek-regional-topography-roads_150115c.srf/jpg
Drawn: GCH
Revision: C
Scale: as shown
Grid: UTM NAD 83
WALTER ENERGY
COAL TENURE AND TOPOGRAPHY
JAN 2015
Perry Creek Coal Assessment Report
Map 2-2
Dwg:


6109500 N
606000 E
metres
0
1000
2000
6109500 N
615000 E
UTM NAD 83
BOREHOLES
Coal exploration holes (drilled by Walter Energy and other firms)
Natural-gas wells (active and abandoned -- surface locations)
Perry Creek property boundary
Perry Creek Northwest Anticline
Fortress Mountain East Syncline
Perry Creek North Syncline
Perry Creek North Anticline
Perry Creek Syncline
Mesa Thrust
Mined Area
Fortress Mountain West Anticline
Fortress Mountain Anticline
Fortress Mountain Syncline
Fortress Mountain West Syncline
Bullmoose Thrust
East Bullmoose Thrust
Frame North Thrust
Mesa East Anticline
Perry Creek Anticline
Perry Creek East Syncline
Perry Creek East Anticline
606000 E
6103000 N
608000 E
6101500 N
618000 E
6101500 N
STRUCTURAL GEOLOGY
Attitude of bedding (dip given in degrees); majority of data from Legun (2009b), with additions by C.G. Cathyl-Huhn, 2013 mapping
Thrust fault, with barb on overthrust plate
Extensional or tear fault, with tick on downthrown side
Anticline, showing trace of crestline
Syncline, showing trace of troughline
Stratigraphic Legend
Map-unit
Identity and lithology
M
MADE GROUND (Recent mining-associated deposits)
Mine dumps and tailings pond (of Perry Creek Mine)
DRIFT (Pleistocene to Recent)
TL
Talus, colluvium, and landslide deposits (undivided)
D
Valley-filling alluvium, bedded silt, and undivided glacial deposits
FORT ST JOHN GROUP (Albian to earliest Cenomanian)
8c
Cruiser Formation -- marine shale and siltstone, with bands of sideritic concretions
8b
Goodrich Formation -- marine sandstone and siltstone
8a
Hasler Formation -- marine shale and siltstone
7
Boulder Creek Formation -- sandstone and conglomerate; shale; minor coal
6
Hulcross Formation -- marine shale, siltstone; minor tuff (marker bands Ash-1 through Ash-20); basal grit
5
Gates Formation (undivided) -- sandstone, shale, conglomerate and coal (zones A to J)
5bc
5c
Notikewin ('upper Gates') Member -- sandstone, conglomerate and siltstone; minor coal (generally-thin coal zones A to C); includes local marker beds: Armand Sandstone, Fortress Mountain Sandstone, and Fortress Mountain Conglomerate
5b
Falher ('middle Gates') Member -- siltstone, conglomerate, sandstone; mudstone; coal (thin and thick coal zones D through J in Falher); includes local marker beds: Wolverine Conglomerate, Wolverine Sandstone, and J Conglomerate
5a
Torrens Member -- sandstone, minor siltstone, shale and tuff; two thick sandstones (Quintette Sandstone at top, and Torrens Sandstone at base) with medial siltstone
4
Moosebar Formation -- marine siltstone and sandstone; marine shale and minor tuff; glauconitic sandstone and gritstone at base
4c
Spieker Member -- marine siltstone and sandstone; ?turbidites
4ab
Cowmoose Member -- marine shale; minor tuff; glauconitic sandstone and gritstone at base
BULLHEAD GROUP (Hauterivian to early Albian)
3
Gething Formation -- siltstone, sandstone, and conglomerate; thin and thick coal (Bird, Skeeter and Chamberlain coal zones) near top
2
Cadomin Formation -- conglomerate and sandstone; minor siltstone
MINNES GROUP (Berriasian to Valanginian)
1
Monach Formation -- sandstone, conglomerate; minor siltstone and coal; very light-coloured 'bleached' siltstone and mudstone at top
Lateral change in stratigraphic precision of mapping
C
1/15/2015
Structural geology
GCH
GCH
GCH
REV
DATE
DESCRIPTION
BY
CHKD
APRVD
WOLVERINE COLLIERY
Drawn by: GCH
Checked by: GCH
Approved by: GCH
Revision No. C
Dwg. No. PCW 150115cW
JAN 2015
GEOLOGY OF THE PERRY CREEK COAL PROPERTY
Description
PERRY CREEK COAL ASSESSMENT REPORT
Figure No.
Map 2-3
WALTER ENERGY
Map 2-3
Perry_Creek-workmap_150115cW.srf/jpg Date: 15 January, 2015
Drawn: C.G.Cathyl-Huhn P.Geo.(BC) Lic.Geol.(WA) RMSME
Senior Colliery Geologist - Canada Scale: as shown Grid: UTM NAD83 Zone 10U

2.1.4 Regulatory setting of surface access

Surface access for drilling and other exploratory works is regulated by the provincial government, subject to the *Coal Act Regulations* and the *Mines Act*. The property is situated within the Dawson Creek Land and Resource Management Plan area, and the Foothills Resource Management Zone, allowing for multiple resource uses, including coal-mining. Oil and gas tenures exist throughout the Perry Creek coal property, and natural gas is being actively produced from a wellhead (b-80-B/93-P-3) situated approximately 250 metres southeast of the colliery offices.

2.2 Property description

The Perry Creek property comprises one coal licence and one coal lease (**Maps 2-2 and 2-3**) which were acquired from the Crown by Western Canadian Coal in years 2001 and 2004 respectively, and subsequently acquired by Walter Energy after its acquisition of Western Coal. **Table 2-1** presents details of these coal tenures, whose aggregate area is 3,424 hectares, and whose annual rental cost is $35,720.

Table 2-1: Coal tenures comprising the Perry Creek coal property

Land description			Area (ha)	Dates		Annual rental rate ($/ha)	Annual rental fee (rate x area)
Tenure	Blocks	Units		Issued on	Renew by		
Licence 391198	93P/3 Block F	3, 4, 13, 14	(4 units) 296 hectares	Dec.11, 2001	Dec.11, 2015	$15	$4,440
Lease 414696	93P/3 Block B	65, 66, 75, 76, 87, 88, 89, 90, 97, 98, 99, 100	(42 units) 3,128 hectares	Nov. 2, 2004	Nov. 2, 2016 (term expiry date Nov. 2, 2034)	$10	$31,280
	93P/3 Block C	71, 72, 81, 82, 91, 92					
	93P/3 Block F	1, 2, 3, 4, 11, 12, 13, 14, 21, 22, 23, 24, 31, 32, 33, 34					
	93P/3 Block G	7, 8, 9, 10, 17, 18, 19, 20					
2 tenures / 46 units			3,424 ha				$35,720

Coal licences grant to their holder the exclusive right to explore for coal, subject to consultation with local First Nations, coordination of access with other tenure-holders (such as oil and gas firms, other mineral-tenure holders, guide-outfitters, trappers, and timber companies), and the successful submission of an exploratory work plan. Coal licences do not, in and of themselves, confer the ownership of coal upon their holder (as the coal remains the property of the Crown via

the province of British Columbia), but they can under appropriate circumstances be converted into coal leases, upon which a scheme of mining may be established. Perry Creek Mine operates under the terms of an agreed plan of operations and reclamation, within Coal Lease 414696.

The term of coal licences is one year, which may normally be extended upon the payment of an area-based annual rental fee as prescribed by the provincial Coal Act Regulation. Coal licences and coal leases both require the payment of annual area-based rental fees, as set forth in **Table 2-1**.

2.3 Infrastructure and geomatics

Electrical power is available from B.C. Hydro's Tumbler Ridge substation, served by 230-KV transmission line 2L323. Sub-transmission lines formerly ran along the railway tracks (in conjunction with BC Rail's electrification scheme, which has been dismantled), but power service to Perry Creek Mine is now via a wooden-pole three-phase 25-KV distribution line which follows the Wolverine FSR, terminating at a metering-station adjacent the coal-preparation plant, at kilometre 17.5 on the FSR.

Telecommunications are available via satellite and cellular telephone systems. Satellite access is excellent in upland areas, but unreliable in the heavily-wooded hillsides. Cellular coverage is also inconsistent, owing to distance from transmitters, and issues of line-of-sight in mountainous country. In the interests of safety, use of cellular telephones is forbidden at Perry Creek Mine, save with prior permission from the mine manager.

Base-mapping for Perry Creek is freely available from the provincial government's Base Map Online Store, which affords a facility for downloading shaded-relief topographic maps of the British Columbia Geographic System (BCGS) at 1:20,000 scale. BCGS map-sheets 093P.004 and 093P.014 cover the property and adjoining areas. The Canadian federal government also maintains publicly-available topographic mapping, at a scale of 1:50,000, under the National Topographic System (NTS). NTS map-sheet 93P/3 covers the Perry Creek property.

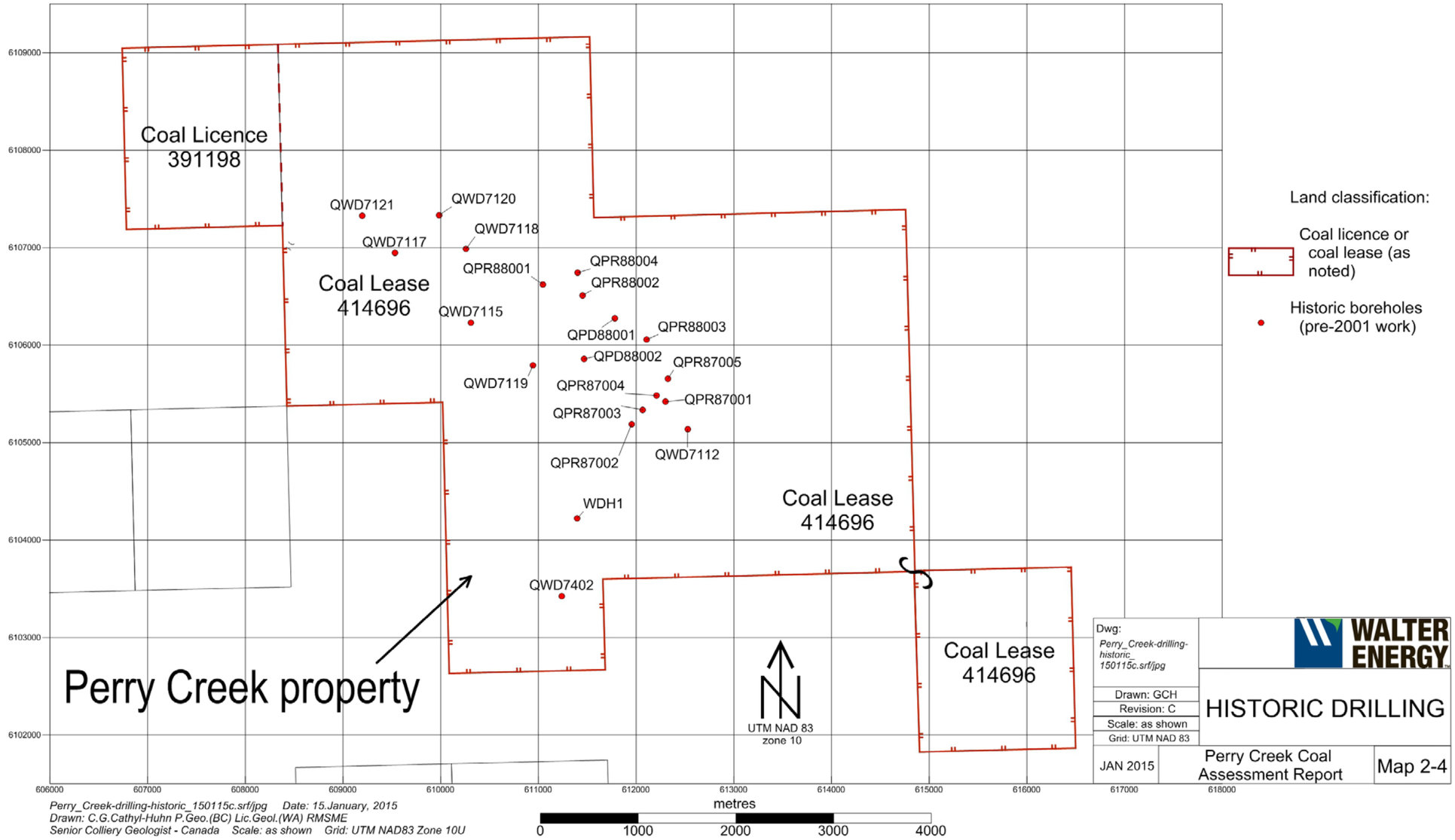
Georeferenced satellite photography is freely available via the *Google Earth* web-service. In general, this imagery is sufficiently detailed for studies of gross geological and geomorphological structure, and for the general tracing of roadways and vehicular access trails, but its level of detail is insufficient to allow for trafficability determinations.

LIDAR imagery of various vintages is also available for the working area of Perry Creek Mine and immediate surroundings.

2.4 Physiography, landscapes and climate

Terrain (**Map 2-2**) is mountainous, with very steep hillslopes, dissected by steep gullies and ravines. Two tributaries of Wolverine River (east-flowing Perry Creek and southeast-flowing W14 Creek). Lesser tributaries, designated as W6, W8, W10 and W12, have now been largely redirected into ditches, culverts and constructed rock-drains whose construction was concomitant with mine development.

The southwestern portion of the property extends up the northeastern flank of Fortress Mountain (the commonly-used local name for what, officially, is designated as Mt. Terry, in honour of pioneering rancher John Terry). Coniferous forest covers the lower slopes of Fortress


Coal Licence
391198
Coal Lease
414696
Coal Lease
414696
Coal Lease
414696
Perry Creek property
QWD7121
QWD7120
QWD7118
QWD7117
QPR88001
QPR88004
QPR88002
QWD7115
QPD88001
QPR88003
QPD88002
QPR87005
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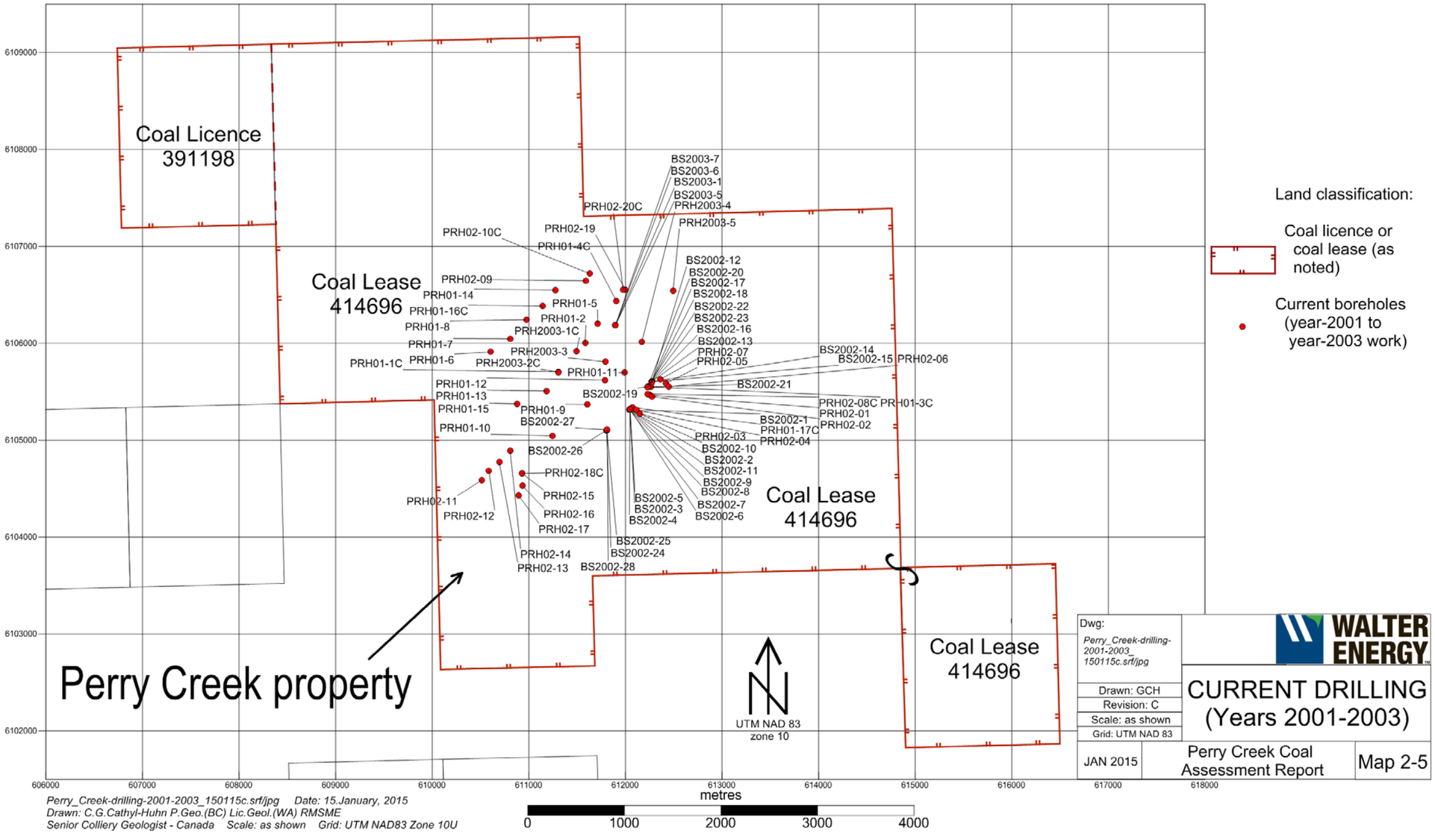
UTM NAD 83
zone 10
metres
0
1000
2000
3000
4000
Land classification:
Coal licence or coal lease (as noted)
Historic boreholes (pre-2001 work)
Dwg:
Perry_Creek-drilling-historic_150115c.srf/jpg
Drawn: GCH
Revision: C
Scale: as shown
Grid: UTM NAD 83
WALTER ENERGY
HISTORIC DRILLING
JAN 2015
Perry Creek Coal Assessment Report
Map 2-4
Perry_Creek-drilling-historic_150115c.srf/jpg Date: 15.January, 2015
Drawn: C.G.Cathyl-Huhn P.Geo.(BC) Lic.Geol.(WA) RMSME
Senior Colliery Geologist - Canada Scale: as shown Grid: UTM NAD83 Zone 10U


Coal Licence
391198
Coal Lease
414696
Coal Lease
414696
Coal Lease
414696
Perry Creek property
PRH02-10C
PRH02-19
PRH01-4C
PRH02-20C
BS2003-7
BS2003-6
BS2003-1
BS2003-5
PRH2003-4
PRH2003-5
PRH02-09
PRH01-14
PRH01-16C
PRH01-8
PRH01-7
PRH01-6
PRH01-1C
PRH01-5
PRH01-2
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PRH2003-3
PRH2003-2C
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BS2002-27
PRH01-10
BS2002-26
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PRH02-13
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metres
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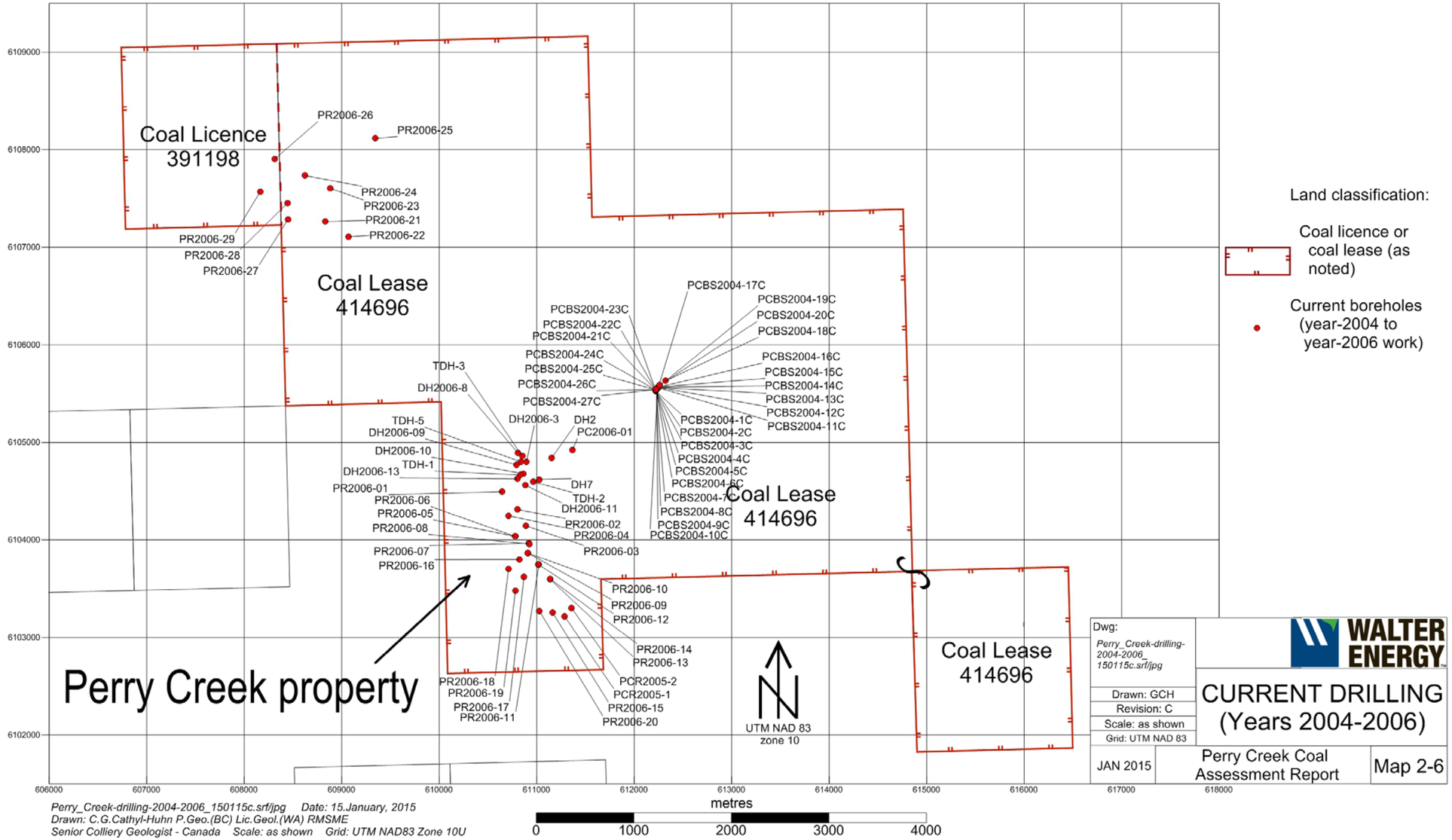
3000
4000
Land classification:
Coal licence or coal lease (as noted)
Current boreholes (year-2001 to year-2003 work)
Dwg:
Perry_Creek-drilling-2001-2003_150115c.srf/jpg
Drawn: GCH
Revision: C
Scale: as shown
Grid: UTM NAD 83
WALTER ENERGY
CURRENT DRILLING
(Years 2001-2003)
JAN 2015
Perry Creek Coal Assessment Report
Map 2-5
Perry_Creek-drilling-2001-2003_150115c.srf/jpg Date: 15.January, 2015
Drawn: C.G.Cathyl-Huhn P.Geo.(BC) Lic.Geol.(WA) RMSME
Senior Colliery Geologist - Canada Scale: as shown Grid: UTM NAD83 Zone 10U


Coal Licence
391198
Coal Lease
414696
Coal Lease
414696
Coal Lease
414696
Perry Creek property
PR2006-26
PR2006-25
PR2006-24
PR2006-23
PR2006-21
PR2006-22
PR2006-29
PR2006-28
PR2006-27
TDH-3
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TDH-5
DH2006-09
DH2006-10
TDH-1
DH2006-13
PR2006-01
PR2006-06
PR2006-05
PR2006-08
PR2006-07
PR2006-16
DH2006-3
DH2
PC2006-01
DH7
TDH-2
DH2006-11
PR2006-02
PR2006-04
PR2006-03
PR2006-10
PR2006-09
PR2006-12
PR2006-14
PR2006-13
PCR2005-2
PCR2005-1
PR2006-15
PR2006-20
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PR2006-19
PR2006-17
PR2006-11
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Drawn: GCH
Revision: C
Scale: as shown
Grid: UTM NAD 83
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CURRENT DRILLING
(Years 2004-2006)
JAN 2015
Perry Creek Coal Assessment Report
Map 2-6
Perry_Creek-drilling-2004-2006_150115c.srf/jpg Date: 15.January, 2015
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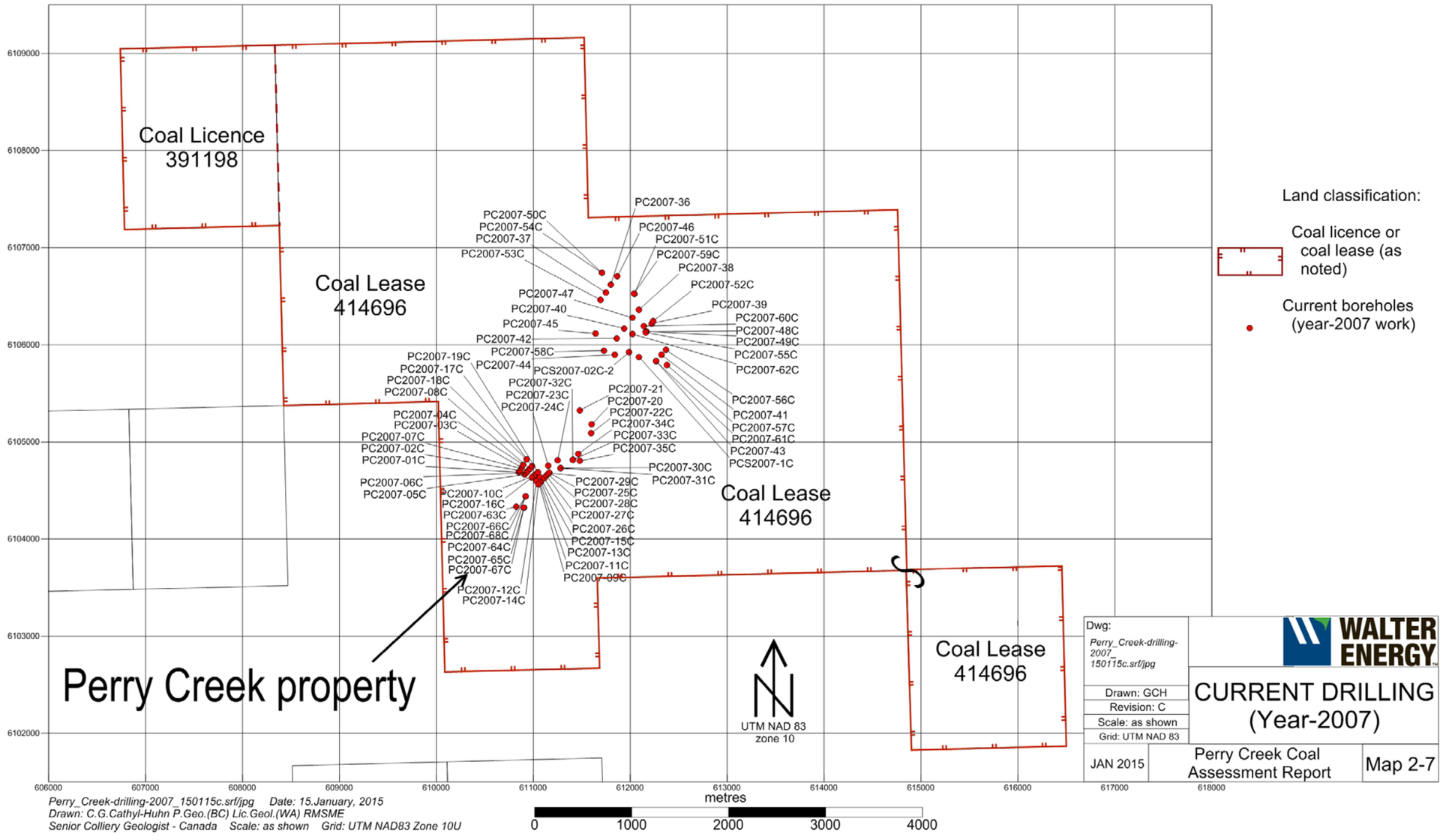
Senior Colliery Geologist - Canada Scale: as shown Grid: UTM NAD83 Zone 10U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Drawn: GCH
Revision: C
Scale: as shown
Grid: UTM NAD 83
WALTER ENERGY
CURRENT DRILLING
(Year-2007)
JAN 2015
Perry Creek Coal Assessment Report
Map 2-7
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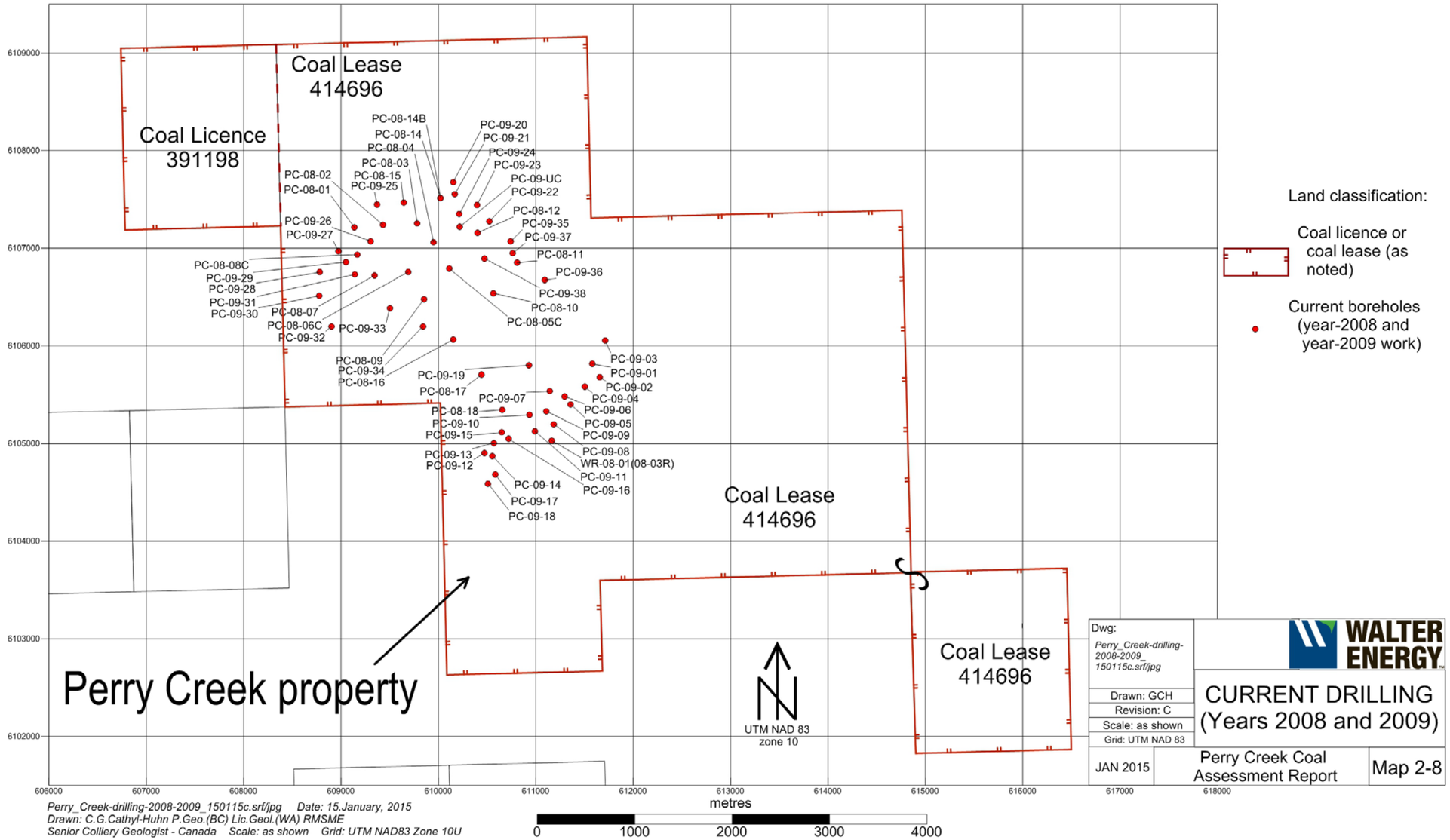
Senior Colliery Geologist - Canada Scale: as shown Grid: UTM NAD83 Zone 10U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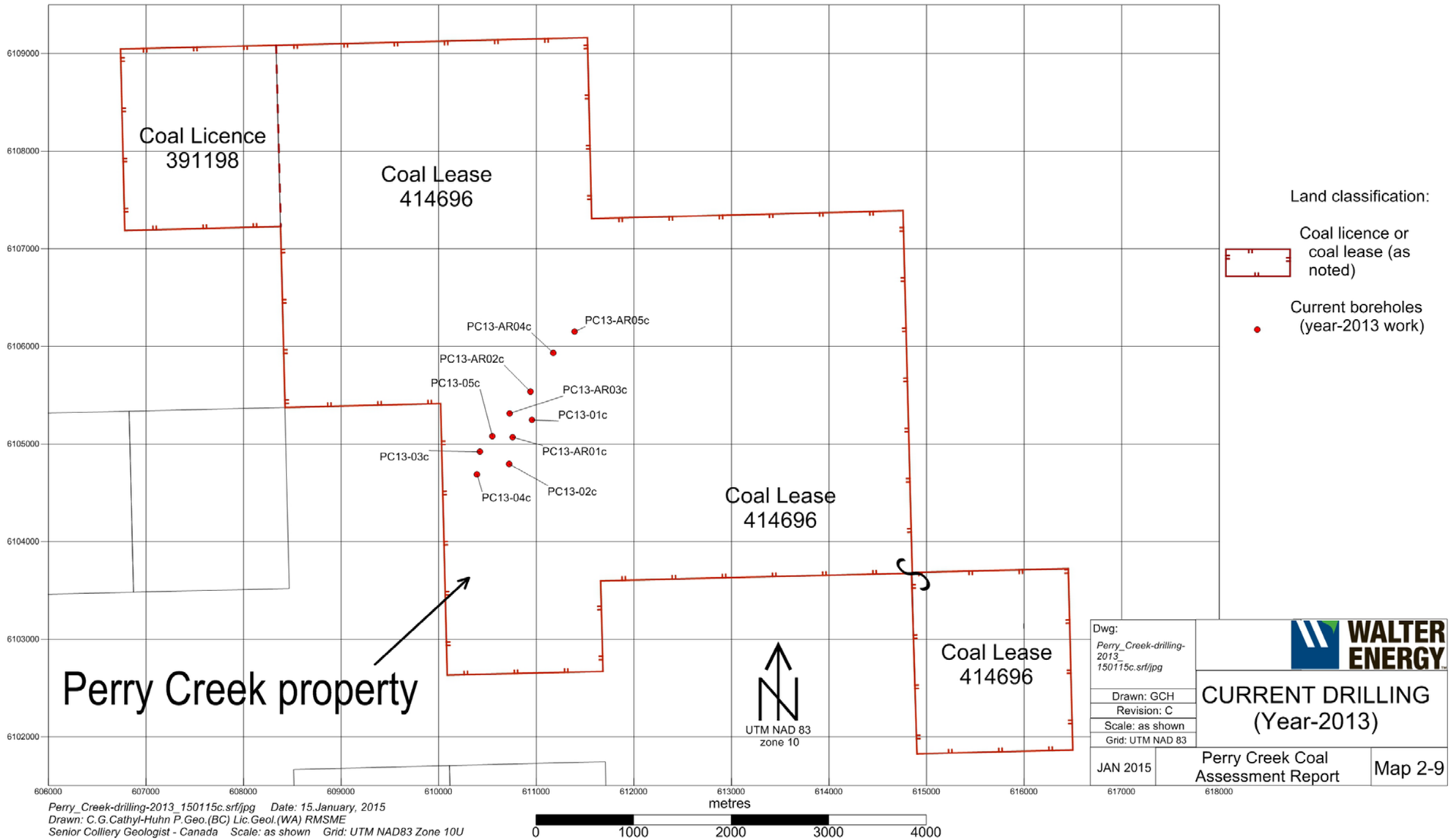
WALTER ENERGY
CURRENT DRILLING
(Years 2008 and 2009)
JAN 2015
Perry Creek Coal Assessment Report
Map 2-8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Perry Creek property
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Current boreholes (year-2013 work)
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Drawn: GCH
Revision: C
Scale: as shown
Grid: UTM NAD 83
WALTER ENERGY
CURRENT DRILLING (Year-2013)
JAN 2015
Perry Creek Coal Assessment Report
Map 2-9
Perry_Creek-drilling-2013_150115c.srf/jpg Date: 15.January, 2015
Drawn: C.G.Cathyl-Huhn P.Geo.(BC) Lic.Geol.(WA) RMSME
Senior Colliery Geologist - Canada Scale: as shown Grid: UTM NAD83 Zone 10U

Mountain and adjoining ridgelines, declining in size and vigour with increasing altitude and wind-exposure. Soil cover is generally patchy, consisting mainly, till, alluvium and peat at lower elevations, and talus and colluvium, including possible landslide deposits, at higher elevations. Thicker soils (including great thicknesses of unconsolidated parent materials) are known to be present within the deep, glacially-rounded valley of Wolverine River, and along the southern bank of Perry Creek.

The Perry Creek property has a continental montane to alpine climate, characterised by long, moderately cold, snowy winters and short, rainy, warm summers. Snow and frost may occur in any month of the year, and isolated snowfields persist on well-shaded north-and east-facing slopes into July. The coldest weather usually occurs from January through March, when temperatures of –40C occasionally occur. Winds are generally gusty and ongoing, with rare calm periods. Convective thunderstorms frequently occur during summer months, bringing intense rain-showers and occasional hail.

2.5 Surface positions of exploratory boreholes

Exploratory drilling of the Perry Creek property was undertaken by staff of Denison Mines and Quintette Coal between 1971 and 1989. Cross-references to the Coal Assessment Reports (previously-submitted by Denison or Quintette) within which this work has been documented, are given in **Table A-1**, within **Appendix A** of the present report.

During Denison Mines' and Quintette Coal's ownership of the property, 20 boreholes were drilled, many by coring methods. **Table A-1** incorporates basic data (with some positional corrections) concerning these boreholes, as have been retrieved from the B.C. Geological Survey Branch's *COALFILE* database. Positions of these boreholes are depicted by **Map 2-4**. Surface positions of subsequent boreholes, conducted by Western Canadian Coal and successor firms during years 2001 through 2013, are presented as **Table A-2**, within **Appendix A**. Positions of these boreholes are depicted by **Map 2-5** through **Map 2-9**.

2.6 Current work

Stratigraphic and coal-facies studies here-reported are based upon interpreted results from boreholes drilled in 2013 and earlier years; no additional disturbant work has been performed since the submission of Coal Assessment Report No.967. The year-2013 drilling programme is the most-recent drilling within the Perry Creek coal property.

2.7 Acknowledgements and professional responsibility

Thanks are due to consulting geologist Frank Visger, and to consulting engineer Tony Basko, for wide-ranging discussions concerning coal quality and washability. Thanks are also due to coal scientist Janet Riddell P.Geo., at the B.C. Geological Survey Branch, for assistance in chasing-down archival exploratory records. Gwyneth Cathyl-Huhn P.Geo. accepts overall professional responsibility for the contents of this report.

3 Geology

Regional and local geology (**Map 2-3**) of Perry Creek and the Sukunka-Quintette coalfield is known mainly from the extensive work of D.F. Stott (1960; 1961; 1963; 1968; 1973; 1974; 1982; 1998), and D.W. Gibson (1992a, 1992b) on behalf of the Geological Survey of Canada.

As well, several coal-company Coal Assessment Reports (cited in **Section 8** of this report (and cross-referenced within **Table 2-2**) are available as open-file documents from the provincial Geological Survey Branch. Copies of the reports are freely-available for download via the provincial Survey's website. Most of the Coal Assessment Reports have been censored to exclude clean-coal quality data, as such data are held confidential by the Crown in keeping with the provisions of the *Coal Act Regulation*. The most recent, and most immediately-relevant, of the Coal Assessment Reports is No. 967 (CAR-967, submitted in January of 2015), concerning the Perry Creek coal property. CAR-967 is presently within its three-year initial period of confidentiality.

3.1 Regional geology

The Perry Creek coal property lies within the Sukunka-Quintette coalfield of northeastern British Columbia, part of the Foothills structural province of the Canadian Cordillera. A synthesis of regional stratigraphy and structure is presented within CAR-967; owing to lack of significant change in regional understanding, such discussion is not repeated here, other than to reiterate the point that volcanic 'ash' bands constitute regionally- (and locally-) useful structural and stratigraphic markers (Duff and Gilchrist, 1981; Kilby, 1984a).

All rocks exposed at the ground surface are of Cretaceous age, belonging to the Minnes (Berriasian to Valanginian stages), Bullhead (Hauterivian to Albian stages) and Fort St. John (Albian to Cenomanian stages) groups. Within the Perry Creek property, total thickness of the Cretaceous rocks is very approximately 2300 to 2500 metres, although some of this thickness is almost certainly attributable to thrust-induced structural telescoping of the rock. Elsewhere within the coalfield, sections as thick as 3000 metres are inferred to be present.

3.2 Local geology

A generalised stratigraphic profile of the coal beds and associated sedimentary rocks at Perry Creek is presented as **Table 3-1**.

3.2.1 Local stratigraphy

Approximately 1130 metres (true stratigraphic thickness) of Bullhead and Fort St. John rocks are exposed in outcrop (or in subcrop beneath Drift), following Tertiary-Quaternary episodes of fluviatile erosion and glacial scouring of the Perry Creek area. An additional 1350 metres of Minnes Group rock underlies the Bullhead Group; these deeper rocks are known mainly from the records of natural-gas wells.

Formations mapped (see **Map 2-3** and **Table 3-1**) as being present at outcrop range downwards from the Cruiser Formation (map-unit 8c, the youngest mapped formation, whose

Table 3-1: Stratigraphic units, coal zones, and coal beds at Perry Creek

Geological Age		Lithostratigraphic Units				Thickness	Map-Units	Coal Beds/Coal Zones	
		Group	Formation	Member	Division			Bed	Zone
Quaternary			Mine waste			>50 m	M		
			Talus			nil to 20 m	TL		
			Drift			nil to 80 m	D		
Early Cretaceous	Late Albian	Fort St. John	Cruiser			>15 m?	8c		
			Goodrich			50 m?	8b		
			Hasler			150 m?	8a		
	Late Middle Albian to Late Albian		Boulder Creek			130 m	7	thin unnamed coal(s)	
	Middle Albian		Hulcross			105 m	6		
	e Early Albian		Gates	Notikewin		90 to 115 m	5	5c	A1 coal bed
									A coal bed
									B coal bed
									C coal bed
				Falher		70 to 90 m		5b	D, E0, E1 coal beds
									E2 coal bed / E3 coal bed — E
									F1 coal bed / F2 coal bed — F
									G coal bed — G
									J12 coal bed (J1 coal / J2 coal) / J3 coal bed — J
				Torrens	Quintette sandstone	12 to 29 m		5a	
					Medial siltstone	8 to 27 m			
					Torrens sandstone	10 to 12 m			
			Moosebar	Spieker		45 to 55 m	4	4c	
				Cowmoose		45 to 50 m		4ab	4b
				Green Marker		0.1 to 1 m			4a
		Bull-head	Gething	Chamberlain		30 to 40 m	3	3d	Bird coal zone
									Skeeter coal zone
									Chamberlain coal zone
				Bullmoose		25 to 35		3c	
				Bluesky		nil to 3? m		3b	
	Hauterivian to Late Early Albian			Gaylard		150 to 160 m		3a	Gething coal zone(s)
	Barremian		Cadomin			30 to 85 m	2		
	Valanginian and older?	Minnes	Monach (and older formations below)			1300 to 1400 m	1	Coals present	

outcrop belt passes about 500 metres north of the northern boundary of the property) to the Monach Formation (map-unit 1, the oldest mapped formation, exposed in the core of an anticlinal fold, about 500 metres south of the southern boundary of the property). The ages of these rocks span 145 to 100.5 million years before present, based on paleontological evidence and limited tephrachronological dating.

3.2.2 Local structure

The Perry Creek coal property consists, essentially, of a moderately-deformed stack of marine and non-marine strata, generally present in normal (‘tops-up’) stratigraphic position, albeit with generally-steep bedding-surface dips. Exceptions to this general situation are presented by the complexly-folded area between the Fortress Mountain fold train and the northern mapped extremity of the Mesa Thrust, which may be a displacement-transfer zone between the northward-terminating thrust fault and the *en-echelon* folds of the fold train.

As a general consideration, thrust faults at Perry Creek are inferred to have developed in the typical downward-younging sequence of successive faulting, although this assertion remains untestable in the absence of detailed kinematic observations. Thrusts typically exhibit northeastward vergence, consistent with an overall northeastward direction of tectonic transport. No evidence of a localised 'triangle zone' has yet been observed.

Thrust faults are locally folded, as exemplified by the local curvature of the Mesa Thrust as it climbs over the northeastern shoulder of Fortress Mountain. In comparison with adjoining properties to the northwest (East Bullmoose / Mt. Spieker) and the southeast (Quintette Frame and Hermann West), faulting appears to be subordinate to folding, as a means of accommodating tectonic shortening of the strata.

Bedding dips within the Perry Creek coal property are generally gentle to moderate, especially as compared with nearby properties. Dips of 25 to 40 degrees are typical of the northeastern limb of the Perry Creek Syncline, while its southwestern limb's dips range from 10 to 16 degrees. The southwestern limb of the Perry Creek Anticline, rolling under the Mesa Thrust, dips 35 to 55 degrees to the southwest. Much steeper dips are observed in the tightly-compressed strata of the property's northeastern corner, especially along the lower course of Perry Creek, where the rocks are frequently vertical to substantially-overturned, on the northeastern (tectonically-leading) limb of the Mesa East Anticline.

3.2.2.1 Small-scale structures of inferred compactional or syndepositional origin

Mining at Perry Creek has temporarily exposed many small-scale dislocations of the Gates coals, which appear to be due to small-scale splits and washouts within the coal-measures. In most cases, even where coals are absent due to washouts, their rooted floors continue onward, and they are generally recognisable beneath the erosive-based overlying channel-filling rocks despite the disappearance of the associated coal beds.

Small-scale features include compactional and syndepositional faults with displacements of a few decimetres, as measured along the fault plane. Also included are small-scale incompetent folds with asymmetric and rapidly-changing displacements which seldom exceed a metre. These folds, which are inferred to be of compactional origin, occasionally dislocate but do not actually break continuity of the E and F coal zones; these folds tend to occur as northwest-trending swarms, even though the individual folds are

discontinuous in detail.

3.2.2.2 Perry Creek Syncline

The Perry Creek Syncline is the most economically-significant structure within the property, as the syncline's core hosts the recently-worked northeastern part of Perry Creek Mine's coal reserves. Essentially all of the workable coal has been mined from the syncline's moderately-steep northeastern limb, and mining has more recently been progressing updip along the syncline's gentler southwestern limb.

The syncline's core, as expressed by the temporarily-exposed upper surface of the Quintette Sandstone, is conically-folded across an apical width of 30 to 50 metres. The sandstone itself is not notably faulted nor jointed within the apical zone, but overlying thick coals of the J2 and J3 coal beds are closely-cleated, and their internal partings are intensely-sheared, with patchily-developed out-of-syncline sigmoidal *schuppen*-structures. Cleats with the folded coal are frequently coated by thin films of calcite, ankerite or ferroan dolomite, to a much greater extent than is characteristic of the coal on either limb of the fold.

Drilling in the north-central part of the property, along the northwestward continuation of the syncline, indicates that a substantial area of Falher Member coal-measures has dips less than 15 degrees, thus rendering their contained coals (where of appropriate type, grade, rank, and thickness) plausible as candidates for underground coal-mining (Cain and McCandlish, 2009).

4 Stratigraphic synopsis and coal bed details

The following discussion (condensed from the more-exhaustive discussion within CAR-967) presents details of the lithology, contained coal beds, inferred origin, typical thickness and contact relationships of the various surficial and bedrock units present at Perry Creek, keyed to the map-unit numbers used in **Map 2-3** and **Table 3-1**. Geological units are discussed in stratigraphic order from uppermost (youngest) to lowermost (oldest) within the exposed sequence of strata.

4.1 Quaternary surficial deposits (map-units M, TL, and D)

Unconsolidated surficial deposits of Quaternary age comprise mine waste (map-unit M) and valley-bottom and hillside Drift (map-unit D). The extent of all three classes of surficial deposits has been mapped by means of *Google Earth* satellite imagery, LIDAR imagery, and by interpretation of topographic boundaries adjacent to the valley-floor of Wolverine River, supported by borehole records in those areas which have been drilled.

4.1.1 Mine waste (map-unit M)

Associated with open-pit mining operations at Perry Creek Mine are mine waste dumps, consisting of overburden and interburden rocks removed during mining operations. Thickness of dumped material is inferred to be substantial, locally greater than 50 metres; more-precise determination would require access to dump plans and associated operating records.

4.1.2 Talus (map-unit TL)

The northeastern and northwestern slopes of Fortress Mountain are locally mantled by chaotically-jumbled blocks of conglomerate, gritstone, sand sandstone similar to the rocks of the Cadotte Member of the Boulder Creek Formation. LIDAR and satellite imagery shows distinctive lobate features at the downslope ends of these areas, which are interpreted to comprise talus, colluvium and possible landslide deposits sourced from collapsed dip-slopes within the Cadotte Member. Thickness of these deposits is inferred to range from nil to 20 metres. Where accessible for observation, upslope from Perry Creek Mine's open-pit workings, the southern edge of one of these deposits is abrupt, presenting a steep upward slope of a few metres' height, with a root-bearing soil horizon beneath the blocky materials.

4.1.3 Drift (map-unit D)

The flat-bottomed floor of the Wolverine River valley is occupied by the river’s meander-belt, and by adjoining alluvial fans of tributary creeks. The banks of the river show crudely-bedded silts, sands and gravels which are interpreted as fluvial deposits. Glacial and glaciolacustrine sediments may underlie the near-surface fluvial deposits. Thickness of the valley-filling Drift, where investigated in conjunction with the design of Wolverine Colliery's tailings facilities, is locally at least 150 metres. The base of the valley-fill has in some locations has not been reached by drilling, although this may be to some extent due to past workers being disinterested in pursuing bedrock to great depths within areas which clearly are not of interest for mining

An isolated body of thick Drift also covers the upland northwest-central portion of the Perry Creek property (**Map 2-3**), and extends eastward to form steep bluffs along the southern bank of Perry Creek.

4.2 Fort St. John Group (map-units 8c through 4ab)

Thicknesses and lithologies of the Cruiser, Goodrich, Hasler and Boulder Creek formations are known only from examination of outcrop sections, as these rocks have not yet been drilled within the Perry Creek coal property (and the Cruiser is only present beyond the property boundaries). The youngest of the drilled rocks is the Cadotte Member of the Boulder Creek Formation, as encountered in borehole PR2006-26, northeast of Fortress Mountain. Several other boreholes in the vicinity intersected nearly-complete sections of the underlying Hulcross Formation.

4.2.1 Cruiser Formation (map-unit 8c)

The Cruiser Formation is inferred to form bedrock in localities a few hundred metres to a kilometre north of the property (as depicted on **Map 2-3**).

The Cruiser comprises 105 metres of dark grey mudstone with frequent interbeds of siltstone and occasional interbeds of fine-grained, silty sandstone. Bands of discoidal to spheroidal sideritic concretions occasionally occur. The formation's age, on the basis of marine fossils, ranges from Late Albian to Cenomanian. The basal contact of the Cruiser Formation with the underlying Goodrich Formation is abrupt (Stott, 1968), and possibly disconformable.

4.2.2 Goodrich Formation (map-unit 8b)

At Perry Creek, the basal few metres (less than 10 metres?) of the Goodrich Formation is interpreted to be present within the property's extreme northeastern corner (see **Map 2-3**).

The Goodrich Formation comprises approximately 50 metres of medium- to thick-bedded, locally cliff-forming sandstone, with frequent interbeds of siltstone and mudstone. The Goodrich is of Late Albian age, as established by its molluscan fauna (Stott, 1968). The basal contact of the Goodrich Formation with the underlying Hasler Formation is gradational.

4.2.3 Hasler Formation (map-unit 8a)

The Hasler Formation is interpreted to underlie the northeastern part of the property (**Map 2-3**), where it is sporadically-exposed along the banks of the lower course of Perry Creek. The Hasler Formation also forms the core of the Fortress Mountain Syncline, atop the mountain's peak, but this outlier of the Hasler lies completely outside the boundaries of the Perry Creek coal property.

The Hasler Formation comprises approximately 150 metres of dark grey, locally rusty-weathering mudstone with frequent interbeds of siltstone and occasional interbeds of fine-grained, silty sandstone. The Hasler is probably of Late Albian age, on the basis of the probable Late Albian age assigned to the underlying Boulder Creek Formation (Gibson, 1992b; Koke and Stelck, 1985; Stelck and Koke, 1987). The abrupt base of the Hasler Formation is locally marked by a thin (a few centimetres to decimetres) layer of pebbly mud-matrix conglomerate.

4.2.4 Boulder Creek Formation (map-unit 7)

The Boulder Creek Formation comprises 130 metres of ridge-forming, competent, thick-bedded to massive, coarse-grained sandstone and conglomerate, with thin interbeds of siltstone, variably-carbonaceous mudstone and occasional thin (a few decimetres) coal beds.

Gibson (1992b) recognised members within the Boulder Creek Formation, on the basis of lithostratigraphy. Gibson's basal Cadotte Member is probably represented at Perry Creek by a conspicuous ridge-forming zone of conglomerate and sandstone along the upper northeastern flank of Fortress Mountain, but it is difficult to distinguish the overlying Walton Creek Member coal-measures from the uppermost Paddy Member of the formation, owing to lack of good exposure of these rocks. Insofar as the Boulder Creek Formation has only been partially intersected by one borehole at Perry Creek, and its outcrop trace lies outside the zone of immediate interest for mine-planning, no attempt is here made to map its subdivisions within the Perry Creek property.

The Boulder Creek Formation is of Late Middle Albian to probable Late Albian age, based on its angiosperm flora (Gibson, 1992b). The basal contact of the Boulder Creek Formation with the underlying Hulcross Formation is abrupt at local scale, and likely gradational by intertonguing at regional scale.

4.2.5 Hulcross Formation (map-unit 6)

The Hulcross Formation, of Middle Albian age within the Early Cretaceous (Stelck and Leckie, 1988; Gibson, 1992b) comprises 105 metres of thinly-interbedded, locally-concretionary medium grey siltstone, fine-grained sandstone and dark grey mudstone with occasional very thin but extremely-persistent interbeds of soft, light grey to white, tuffaceous volcanic ash. At least 22 such 'ash' bands may be recognised at regional scale, with 16 of the 'ash' bands (as listed in **Table A-3**, within **Appendix A** of this report) being mappable in geophysical logs at local scale.

Mesoscale (a few decimetres to a few metres thick) fining-upward sequences reminiscent of proximate turbidites or tempestites are common within the Hulcross, as are trace-fossils and poorly-preserved shell fossils. Fine-grained pyrite is locally-abundant within the Hulcross rocks, which are inferred to have been deposited beneath a stratified water column within a restricted-circulation seaway (Stelck and Leckie, 1988).

The disconformable base of the Hulcross Formation is marked by a thin (generally a few decimetres, and rarely up to a metre or so thick) erosive-based bed of cherty pebbly sandstone or gritstone.

4.2.6 Gates Formation (map-unit 5)

The Gates Formation, of late Early Albian age within the Early Cretaceous (Stott, 1982; Wan, 1996), comprises 210 to 270 metres of interbedded sandstone, siltstone, conglomerate, shale and coal at Perry Creek.

At Perry Creek, and within the Sukunka-Quintette coalfield generally, the Gates Formation may be usefully subdivided into three members, in order from top down:

- Notikewin Member (map-unit 5c), comprising 90 to 115 metres of interbedded, locally-glauconitic sandstone and siltstone, with minor conglomerate, carbonaceous mudstone and generally-thin coal (A1, A, B and C coal zones);

- Falher Member (map-unit 5b), comprising 70 to 90 metres of muddy to sandy siltstone, channel-filling sandstone and variably-thick coal (D, E, F, G, and J coal zones), with lesser amounts of carbonaceous mudstone and silty mudstone; and

- Torrens Member (map-unit 5a), comprising 49 to 65 metres of sandstone, with a laterally-persistent medial zone of siltstone and mudstone.

Coals of the Gates Formation, and their enclosing sedimentary rocks, were deposited on the shoreline of the Western Interior Seaway between 108.7 and 111.0 million years ago, within the 'Gates Delta', part of an extensive complex of coastal plains, deltas and estuaries within the Sukunka-Quintette coalfield.

The shoreline of the ancient 'Gates Delta' trended northwestward within the Perry Creek area, with the shallow coastal shelf of the sea lying to the northeast, and the presumed mountainous hinterland of the Gates Delta's rivers lying to the southwest.

Trends in coal thickness, coal quality, and nature and thickness of rock partings and interburden units are all strongly-associated with the northwestward trend of the ancient shoreline, and also with the ever-changing balance between sedimentation and sea-level fluctuations. The pattern of splitting and conjoining of the Gates coal beds records the landward and seaward shifts of shoreline positions, as well as the lateral movements of the major river channels and their branching distributaries.

Throughout the period of Gates Formation sedimentation, the shallow waters of the Western Interior Seaway generally lay a few tens of kilometres northeast of Perry Creek, with the exception of a few isolated 'marine bands' within the Notikewin Member, associated with more substantial transgressions of the sea into and atop coal-forming coastal plain sediments. Splits were occasionally induced within the Gates coal beds, by crevasse-splays from river channels, and perhaps also by drowning of coal-forming wetlands beneath lakes and ponds.

Within the Perry Creek coal property, numerous coal zones, each comprising one or more individually-recognisable coal beds, are present within the Gates Formation. Coal zones and coal beds are designated by an upward-progressing system of lettering, from the J zone near the base of the formation, to the C, B, A and A1 zones near the top of the formation. This scheme of designation has been generally applied within the Quintette portion of the coalfield, and is the inverse of the 'bottoms-up' naming scheme used at Sukunka, Bullmoose and East Bullmoose (including the Mount Spieker area).

4.2.6.1 Notikewin Member (map-unit 5c)

The Notikewin Member of the Gates Formation comprises 90 to 115 metres of siltstone and sandstone with minor conglomerate, variably-carbonaceous, locally root-bearing mudstone, and moderately-persistent coal beds (the A1, A, B and C coal beds). The Notikewin coals sometimes attain potentially-mineable thicknesses. Two laterally-persistent sandstone units (the Armand and Fortress Mountain sandstones) are present, locally accompanied by less-persistent conglomerate.

The A1 and A coal beds generally consist of dirty coal with associated black coaly mudstone, whereas the B coal bed generally consists of clean coal with numerous thin partings of black coaly mudstone. These three coals are grouped within the upper 34 to 46 metres of the Notikewin Member. The C coal lies further down within the Notikewin Member, between the Armand and Fortress Mountain sandstones.

- The A1 coal bed consists of dull dirty coal and black coaly mudstone, at gross

thickness of nil to 0.65 metres and a median thickness of 0.4 metres. The A1 coal bed is not generally considered to be mineable.

- The A coal bed, likewise, consists of dull dirty coal and coaly mudstone, at gross thickness ranging from nil to 0.8 metres and a median thickness of 0.35 metres. The A coal bed is not generally considered to be mineable.

- The B coal bed consists of dull and bright coal with numerous thin partings of coaly mudstone or carbonaceous siltstone, at gross thickness ranging from nil to 1.4 metres and a median thickness of 0.9 metres. The B coal bed may locally be a candidate for mining within isolated areas of thicker or cleaner coal.

Armand Sandstone

The Armand Sandstone consists of medium to thick-bedded, light grey, fine-grained sandstone with downward-decreasing thin interbeds of dark grey sandy siltstone and dark grey to black, variably-carbonaceous mudstone. Isolated stringers of coal occasionally occur within the Armand Sandstone, but these coals appear to lack lateral continuity and they are interpreted as being driftwood deposits.

The Armand Sandstone is 30 to 45 metres thick, with a median thickness of 35 metres. The basal contact of the Armand Sandstone with the underlying rocks is abrupt and may locally be erosional.

- The C coal bed consists of dull banded to dull and bright, generally-dirty coal, with frequent thin partings of grey carbonaceous mudstone and siltstone, at gross thickness of 0.1 to 0.9 metres and a median thickness of 0.5 metres. The C coal bed is not considered to be mineable, on account of its dirty composition. The C coal bed generally lies close beneath the base of a thick sandstone, and its upper contact with the sandstone may locally be erosional, thus limiting the coal's preserved thickness.

At Perry Creek, the basal third of the Notikewin Member are often represented by a competent, ledge-forming bed of erosive-based sandstone and conglomerate, leading to their informal naming as the Fortress Mountain Sandstone and Fortress Mountain Conglomerate respectively. The conglomerate forms a basal facies of this zone, which otherwise consists mainly of sandstone with isolated lenses and interbeds of siltstone.

Fortress Mountain Sandstone

The Fortress Mountain Sandstone consists of light grey, fine- to medium-grained, medium- to thick-bedded sandstone with occasional thin interbeds of sandy siltstone. The sandstone is resistant to erosion, and prior to mining, the sandstone formed cliffs within the middle portion of the Gates Formation.

The thickness of the Fortress Mountain Sandstone ranges from 4 to 28 metres thick, with a median thickness of 15 metres. The basal contact of the Fortress Mountain Sandstone with the underlying Fortress Mountain Conglomerate is inferred to be gradational by interbedding on a broad scale. Where the conglomerate is not recognised, or known to be absent, the sandstone lies abruptly and locally-erosionally upon the fine-grained rocks of the Falher Member.

Fortress Mountain Conglomerate

The Fortress Mountain Conglomerate consists of thick-bedded to massive-appearing light to medium grey sandy to sparsely-pebbly gritstone and sandy gritty pebble-conglomerate. Granules and pebbles within this sub-unit are mainly of varicoloured chert and quartz, with minor fragments of limestone and dolomite, all of which is set within a generally-abundant matrix of coarse- to very coarse-grained siliceous sandstone.

Recognition of the Fortress Mountain Conglomerate as a distinct sub-unit within the Fortress Mountain Unit is based mainly on its 'blocky' low-radioactivity geophysical-log response, supported by occasional cored intersections within exploratory boreholes. Where observed in outcrop along the crest of the Fortress Mountain Anticline, the 'conglomerate' zone appears to be dominantly composed of overlapping channel-fills of very sandy, albeit highly-siliceous and very hard, pebbly gritstone.

The Fortress Mountain Conglomerate, where recognised, is 5 to 20 metres thick, with a median thickness of 12.5 metres. Its basal contact with the underlying Falher rocks is invariably erosional.

4.2.6.2 Falher Member (map-unit 5b)

The Falher Member of the Gates Formation comprises 70 to 90 m of muddy to sandy siltstone, channel-filling sandstone and conglomerate, and variably-thick coal (within the D, E, F, G and J coal zones). The underlying K coal zone is absent at Perry Creek. The Falher coals are accompanied by lesser proportions of carbonaceous mudstone and silty mudstone. Overall, the Falher Member contains proportionately more coal than the overlying Notikewin Member.

The D coal bed, at the top of the Falher Member, is often absent due to deep scouring at the base of the overlying Notikewin conglomerate 'caprock'. In non-cored boreholes, recognition of the Falher-Notikewin contact is rendered more difficult when clay-poor Falher sandstone is directly overlain by clay-poor Notikewin conglomerate, inasmuch as gamma-ray logs fail to distinguish between the two lithologies.

- The D coal bed consists of dull banded to dull and bright, generally-dirty coal with thin partings of grey to black carbonaceous mudstone, at gross thickness ranging from nil to 0.6 metres and median gross thickness of 0.18 metres.
- The E0 coal bed consists of coaly mudstone or dull, dirty coal with numerous thin partings of black carbonaceous to coaly mudstone, at gross thickness ranging from nil to 0.98 metres and median gross thickness of 0.2 metres. Both coal beds are locally altogether absent, inferred to be due to erosion beneath channel-filling sandstones.
- The D and E0 coals locally closely-approach each other to form a single composite zone of interbedded dirty coal and carbonaceous rock, but nowhere within the Perry Creek mining area is either of these coals found to be thick or clean enough to be considered mineable.
- The E1 coal bed consists of dull banded, very dirty coal, often replaced altogether by black carbonaceous mudstone with scattered lenses and stringers of coal. The gross thickness of the E1 coal bed ranges from nil to 0.45 metres, with a median thickness of

0.2 metres. The E1 bed is locally altogether absent owing to erosion at the base of an overlying channel-filling sandstone.

Mineable coals within the Falher Member commence with the E2 and E3 coal zones, which locally closely approach each other but never altogether coalesce at Perry Creek.

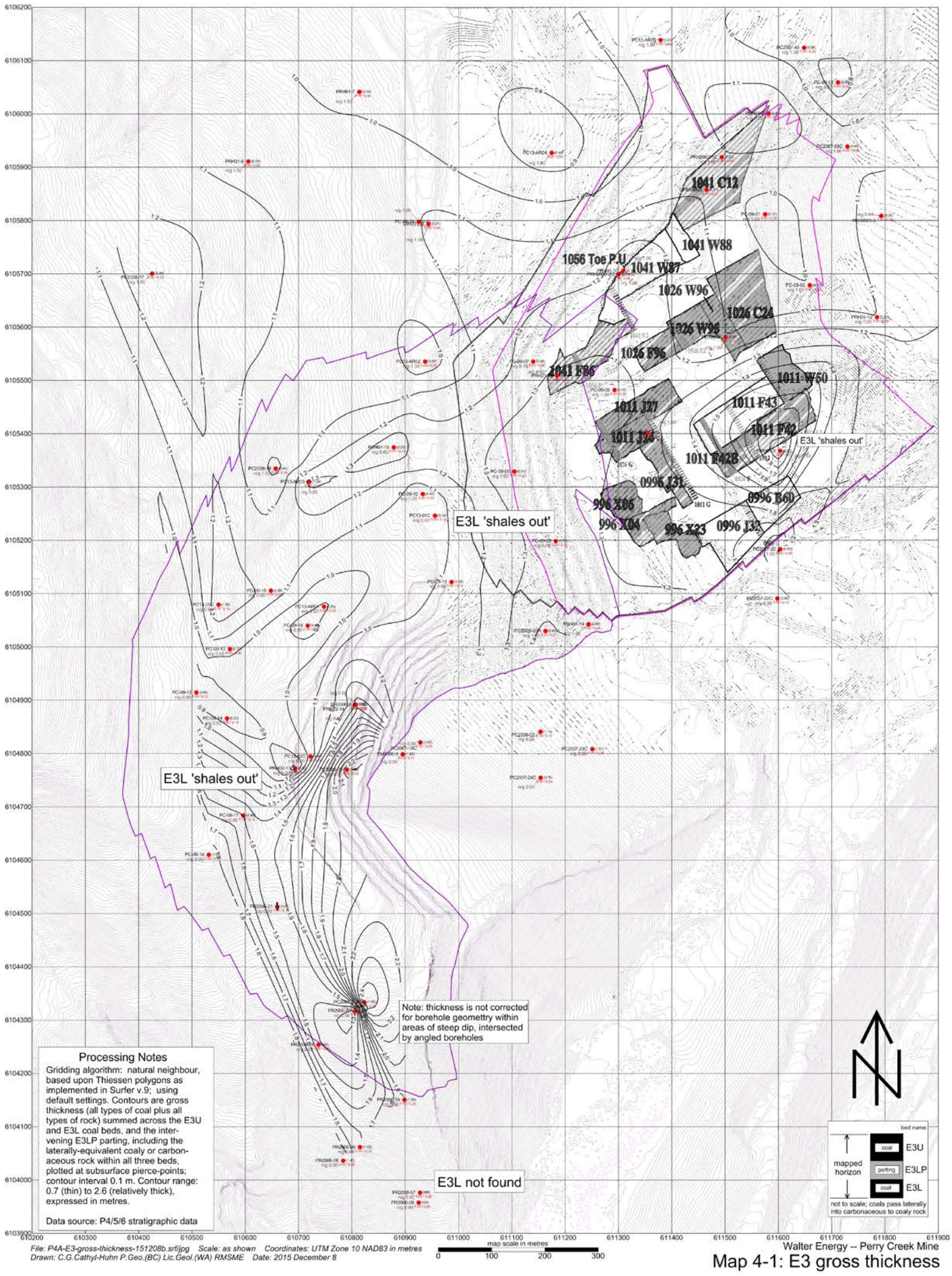
E2 coal zone

The E2 coal zone consists of two closely-associated beds of coal (one of which, locally, is represented by coaly or carbonaceous mudstone) separated by a variably-thick parting of carbonaceous mudstone or siltstone. The two beds are the E2U and E2L coals, with a variably-thick (and sometimes altogether absent) intervening parting designated as E2LP. Of the coal beds, the E2L is generally the thicker and cleaner of the two.

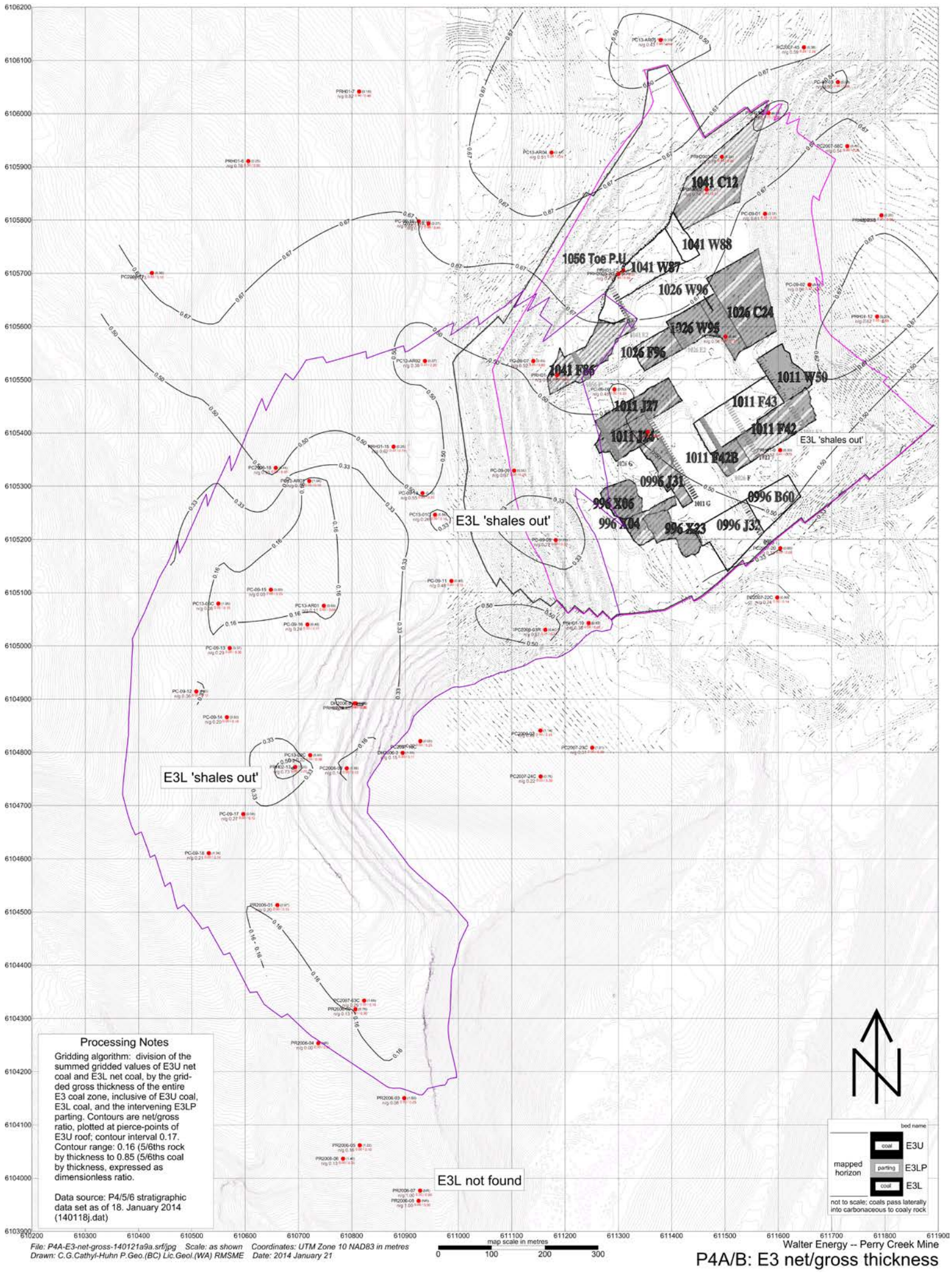
The gross thickness of the E2 coal zone, comprising both the E2U and E2L plies and the intervening parting, ranges from 0.47 to 1.16 metres, with a median thickness of 0.75 metres. The net coal (both low-density ‘clean’ and mid-density ‘dirty’ coal as interpreted from geophysical logs) thickness of the E2 coal zone ranges from 0.28 to 1.09 metres, with a median thickness of 0.67 metres. The difference between the net and gross thicknesses is represented by the rock of E2LP. The E2 zone, taken as a whole, gradually thins to the northwest.

The upper contact of the E2 coal zone is generally gradational, but its basal contact with the underlying rocks is almost always abrupt and often freely-separable in the course of mining.

- The E2U coal bed is platy, dull banded, and generally very dirty, frequently containing very thin laminae of black, coaly mudstone. Southwestward, the E2U passes laterally into coaly or carbonaceous mudstone, and within the Phase 4B mining area, its coal will be confined to isolated pockets. The gross thickness of the E2U coal ranges from 0.10 to 0.42 metres, with a median thickness of 0.17 metres.
- The intervening parting consists of very thin-bedded to fissile or flaky carbonaceous mudstone or siltstone, often including a few centimetres of black, carbonaceous, well-indurated volcanic ash (a tonstein band), which forms a distinctive matt-black band within the E2 coal bed. The gross thickness of the parting between the E2U and E2L coals ranges from nil to 0.25 metres, with a median thickness of 0.07 metres. Furthermore, the parting generally does not part freely from the overlying and underlying coals; as such, this parting would only rarely be removable in the course of mining.
- The E2L coal bed is blocky, dull banded to bright banded, and readily broken into lumps along well-developed cleats. E2L coal is usually less-dense as compared with the E2U coal and the coals of the E3 bed; this distinction is characteristically-shown on geophysical logs. The gross thickness of the E2L coal ranges from 0.23 to 0.73 metres, with a median thickness of 0.51 metres. The E2L coal generally parts freely from the underlying rocks, generally rendering its recovery more practicable.



Map 4-1:
Gross thickness (metres) of E3 coal zone (E3U bed, E3LP, and E3 bed)



Map 4-2:
Net/gross (coal/coal+rock) thickness ratio of E3 coal zone (E3U bed, E3LP, and E3 bed)

E3P parting

Rocks (designated as E3P) between the E2 and E3 coal zones consist mainly of medium-bedded to massive-appearing, hard to very hard sandy siltstone, locally grading upward into softer variably-carbonaceous siltstone. As this parting thickens, it becomes harder and coarser, grading laterally to a silty sandstone. Thickness of the E3P rocks ranges from 0.50 to 4.08 metres, with a median thickness of 1.68 metres. The basal contact of E3P with the underlying E3 coal bed is abrupt, generally freely-separable in the course of mining.

E3 coal zone

The E3 coal zone consists of two closely-associated beds of coal (one of which, locally, is represented by coaly or carbonaceous mudstone) separated by a variably-thick parting of carbonaceous mudstone or siltstone. The two constituent beds of the E3 zone are the E3U and E3L coals. Of these coal, the E3U is generally the thicker and cleaner of the two.

The gross thickness of the E3 coal zone (comprising both the E3U and E3L beds along with their intervening parting) ranges from 0.3 to 2.0 metres, with a median thickness of 1.19 metres. **Maps 4-1** and **4-2** respectively show the southwestward thinning and shaling-out of the E3 zone, which is particularly exacerbated by the rapid southwestward thinning and eventual pinch-out of the E3L coal bed

The net coal (both low-density ‘clean’ and mid-density ‘dirty’ coal as interpreted from geophysical logs) thickness of the E3 coal zone ranges from nil to 1.15 metres, with a median thickness of 0.55 metres. The difference between the net and gross thicknesses is mainly represented by the rock of the parting which separates the two coals, and to a lesser extent by the appearance of internal rock bands within the coals. The E3 coal zone, taken as a whole, displays a pockety thickness pattern, but its net coal content steadily declines westward. Accordingly, the E3 coal zone contains no net coal within much of the western half of the planned Phase 4 mining area. The E3L coal pinches out more rapidly to the west than does the generally-thicker and less-dirty E3U coal.

The upper contact of the E3 coal zone is generally abrupt, but its basal contact with the underlying E3 – F interburden is generally gradational.

- The E3U coal bed is blocky, dull and bright to bright banded, readily breaking into lumps along well-developed cleats. E3U coal is generally distinctly lower-density as compared with the E3L coal and the E4 coal; this distinction is characteristically-shown on geophysical logs. The gross thickness of the E3U coal ranges from 0.10 to 0.75 metres, with a median thickness of 0.35 metres; most of this thickness is clean coal. The E3U coal generally parts freely from the underlying parting, rendering its recovery practical despite the coal’s characteristic thinness. The E3U coal thins to the west and ceases to be mineable within the central portion of the Phase 4B mining block.
- The intervening parting (between the E3U and E3L coals) consists of very thin-bedded carbonaceous mudstone or siltstone, locally grading to very fine-grained silty sandstone, especially where the parting thickens. The gross thickness of the parting ranges from nil to 1.34 metres, with a median thickness of 0.45 metres. Thicker sections of the parting are readily removable during the course of mining operations,

but this action will only be practical if sufficient E3U coal underlies the parting.

- The E3L coal bed is platy and dull to dull banded; it generally is very dirty, frequently containing very thin laminae of black, coaly mudstone. The E3L coal characteristically shows a medium-density response on geophysical logs. Westward, the E3L passes laterally into coaly or carbonaceous mudstone, and within the Phase 4B mining area, mineable E3L coal will be confined to isolated pockets. The gross thickness of the E3L coal ranges from 0.08 to 0.75 metres, with a median thickness of 0.26 metres. The basal contact of the E3L coal with the underlying rocks is usually gradational, and the E3L coal seldom parts freely from its floor.

Floor rocks of the E3 coal zone

Rocks between the E3 and F coal zones comprise thin to medium interbeds of medium grey, muddy to sandy siltstone, silty fine-grained channel-filling and tabular sandstone, and minor black carbonaceous mudstone or thin dirty coal of the E4 coal bed. Thickness of the rocks between the E3 and F coal zones ranges from 5.7 to 22 metres, with a median thickness of 9.6 metres, thickening steadily to the southwest.

- The E4 coal bed is blocky, dull, and characteristically very dirty, often passing laterally into black carbonaceous mudstone with scattered very thin bright coal laminae. The E4 coal's gross thickness ranges from nil to 1 metre, with a median thickness of 0.35 metres; thicker sections are generally composed solely of carbonaceous rock rather than coal, and nowhere within the planned mining area is the E4 coal expected to be workable on its own behalf, although local thicker pockets of clean coal may occur, and might be recoverable if geometry permits. The upper contact of the E4 coal is generally abrupt, and its basal contact is gradational. The E4 coal lies 0.5 to 9.5 metres below the base of the E3 coal, steadily increasing westward within the mining area.

F coal zone

As with the E2 and E3 coal zones, the F coal zone consists of two closely-associated thinner coals, which together are generally workable as one. The upper of the two coals is the F1 coal bed, and the lower of the two is the F2 coal bed. Between the F1 and F2 coals is the F2P parting. Within Perry Creek Mine, the F1 and F2 coals are almost always so closely-associated (owing to the thin intervening F2P parting) that they may easily be mined together as the 'F12' coal bed, although the F2P parting locally does attain a readily-separable thickness. The exception to this proximity occurs in the westernmost one-third of the Phase 4B mining block, where the F2P parting rapidly thickens to the west.

The gross thickness of the conjoint F12 coal bed ranges from 1.21 to 1.75 metres, with a median thickness of 1.38 metres. Rock partings within the conjoint coal are often altogether absent, with the F2P parting having entirely pinched-out or possibly having passed laterally into a band of dirty coal. The F12 coal shows a slight tendency to thicken northward, and also westward towards the split area on the western limb of the Perry Creek Anticline.

- The F1 coal bed is the uppermost of the two coals within the conjoint F12 coal bed. The F1 coal is characteristically bright banded and blocky, with well-developed cleat.

Near the base of the F1 coal, bands of dirty coal, sometimes accompanied by very thin laminae of black, coaly mudstone, often occur. The gross thickness of the F1 coal ranges from 0.10 (where it has been nearly washed-out) to 2.75 metres, with a median thickness of 0.86 metres. The 2.75-metre occurrence may be the product of local structural thickening of the coal, or it may be the result of a peat slide within the coal-forming wetland. The basal contact of the F1 coal with the underlying F2P parting is abrupt, marked by a polished or sheared bedding-plane, allowing for ready separation of the coal from the parting.

- The F2P parting, where it is thin, consists of very soft, sheared brown mudstone or black coaly mudstone, with a characteristic flaky fracture habit consistent with intense shearing. As the parting thickens westward, it passes laterally into harder, variably-carbonaceous and root-penetrated siltstone, and finally interbedded siltstone and silty sandstone within the westward split area. The thickness of the F2P parting ranges from nil (as seen in parts of the planned mining area) to 7.6 metres, with a median thickness of 0.14 metres. The basal contact of the F2P parting with the underlying F2 coal is abrupt and locally erosional.
- The F2 coal bed forms the basal part of the F coal zone. The coal is platy to blocky, dull and bright to bright banded, and usually has a well-developed, closely-spaced cleat. The uppermost few centimetres of the F2 coal bed is characteristically soft and fusain-rich; this portion of the coal is inferred to have been burned by wildfire while it was still a peat deposit, as suggested by Lamberson *et al* (1991) for similar horizons at Bullmoose Mine. The gross thickness of the F2 coal ranges from 0.25 to 0.87 metres, with a median thickness of 0.52 metres. The basal contact of the F2 coal bed with the underlying Wolverine Conglomerate is abrupt but locally-undulating, with the coal appearing to fill swales and rills within the conglomerate's surface.

Wolverine Unit

Coarse-grained, cliff-forming strata between the F coal zone and G1 coal bed, inferred to be coeval with the Falher 'C' subdivision of the Gates Formation, are designated as the Wolverine Unit. This is a locally-used informal name for these rocks, which are inferred to pinch out laterally into fine-grained coal-bearing siltstones along strike from Perry Creek.

The Wolverine Unit is divided into two sub-units on the basis of a distinct successional change in lithology: the upper Wolverine Conglomerate, and the basal Wolverine Sandstone. The gross thickness of the Wolverine Unit ranges from 10 to 29.5 metres, with a median thickness of 16 metres. The Wolverine Unit thins gradually to the west, but this trend is complicated by local thickening and thinning which may be due to scouring and channel-filling at the unit's base and (to a lesser extent, perhaps) hummocky and swaly bedforms at its top. The base of the Wolverine Unit is abrupt and locally erosional, as evidenced by the local absence of the underlying G1 coal bed.

Wolverine Conglomerate

The Wolverine Conglomerate is a very thick-bedded to massive-appearing unit of overlapping channel-fills and large-scale low-angle cross-sets of very light grey, very hard, siliceous, sandy pebbly gritstone with frequent lenses of gritty pebble-

conglomerate, generally forming the upper two-thirds of the Wolverine Unit.

The Wolverine Conglomerate's upper surface is abrupt but irregular, being marked by swales and hummocks. This surface is root-penetrated and variably-carbonaceous, locally grading into a pebbly coaly siltstone which probably represents a paleosol upon which the F2 coal was formed. The thickness of the Wolverine Conglomerate ranges from 6 to 16.5 metres, with a median thickness of 10.2 metres. The conglomerate's contact with the Wolverine Sandstone is abrupt and locally deeply-scoured.

Wolverine Sandstone

The Wolverine Sandstone is a medium- to thick-bedded unit of light grey, hard, siliceous, locally-gritty medium- to coarse-grained sandstone, generally forming the basal one-third of the Wolverine Unit. The top of the sandstone locally grades up into a few decimetres of sandy siltstone with isolated lenses of bright coal, interpreted as coalified driftwood; however, there does not appear to be a widespread fine-grained band at this horizon, and the coaly masses do not appear to attain a mineable thickness within the planned mine area.

The thickness of the Wolverine Sandstone ranges from nil (where it has been scoured-out by the conglomerate sub-unit) to 18.8 metres, with a median thickness of 6.5 metres. The Wolverine Sandstone's basal contact with the underlying Wolverine – G interburden is abrupt and locally erosional. The sandstone's base often directly overlies the G1 coal.

Rocks between the Wolverine Unit and the G coal bed

Strata between the Wolverine Unit and the G coal bed comprise thin to medium interbeds of medium to dark grey muddy siltstone and silty, variably-carbonaceous mudstone, with occasional very thin to thin beds of fine-grained silty sandstone and dirty coal. Up to three stringers of coal occur near the top of this unit, but only one (the G1 coal bed) attains significant thickness and continuity to be recognised as such, although the G1 does not attain mineable thickness within the planned Phase 4 mining area. Thickness of the Wolverine – G interburden rocks ranges from 0.15 to 19.7 metres, with a median thickness of 13.6 metres. The very thin interburden may be the result of substantial scour at the base of the Wolverine Sandstone.

The area of thickest interburden is along and slightly to the northeast of the Perry Creek Anticline's crest, thinning to the northeast into the adjoining syncline. The interburden's basal contact with the underlying G coal bed is abrupt, often being marked by a thin bed of sheared coaly mudstone.

- The G1 coal bed is a thin, markedly-pockety band of dull banded coal, locally passing to very dull dirty coal or coaly shale, which does not attain a mineable thickness but still is consistently-developed to the extent that it serves as a marker bed for approach to the deeper G coal bed.

The vertical interval between the floor of the G1 coal bed and the roof of the older G coal bed ranges from 8.6 to 17.8 metres, with a median interval of 12.9 metres; this interval steadily thickens to the southwest. The gross thickness of the G1 coal ranges from nil to 1.1 metres, with a median thickness of 0.35 metres.

G coal bed

The roof of the G coal bed is often formed by a thin bed of very soft, black, sheared, coaly mudstone, which parts freely from the coal. The G coal's floor is generally a harder, variably-carbonaceous siltstone or silty sandstone, also parting freely from the coal.

- The G coal bed is the most consistently-developed and uniform of the Perry Creek coals, characteristically consisting of a single bed of coarsely-laminated bright banded coal, often containing visible pyrite flecks along lamination, and generally moderately to intensely sheared. Despite its pervasive shearing, the G coal bed is consistently low-density and very low in ash, and it lacks rock partings. Gross thickness of the G coal bed ranges from 0.47 to 1.45 metres, with a median thickness of 0.85 metres. The G coal thickens slightly to the northwest within the planned mining area.

Rocks between the G and J1 coal beds

Strata between the G and J1 coal beds comprise thinly-interbedded medium grey, fine-grained silty sandstones and sandy siltstones, with occasional lenses of dark grey silty mudstone. Bedding within this interburden thickens downward, to the extent that the roof of the J1 coal locally consists of massive-appearing very sandy siltstone. Isolated lenses of bright coal within the G-J interburden are inferred to be coalified driftwood, with no expectation of lateral continuity. The thickness of the G – J interburden ranges from 5.4 to 17.4 metres, with a median thickness of 8.9 metres, thinning to the west and northwest.

The basal contact of the G – J interburden with the underlying J1 coal bed is abrupt and easily-separable during the course of mining, locally marked by a few centimetres to a decimetre of sheared, sooty, fusain-rich mudstone, which occasionally is capped by a single layer of well-rounded chert pebbles set in a matrix of carbonaceous mudstone, interpreted as being laid down by advancing waters of a coastal bay or lagoon.

J coal group

The J coal group, consisting of three coal beds and intervening rock partings, comprises the 'Lower' coals of the Perry Creek mining area. Coals are numbered from top down, as J1, J2 and J3. The J-coals locally merge to form a conjoint coal zone (the J12 zone), and split to form subsidiary coal beds (the J2U and J2L beds). The J2 and J3 coal beds are consistently separated by a rock parting, and they are not expected to merge within the planned mining area.

- The J1 coal bed consists of platy to blocky, dull banded to dull and bright coal with locally-abundant laminae of sooty, fusain-rich, dull dirty coal and rare lenses of black coaly mudstone and dull, anomalously-lustrous coal which may be sapropelic or canneloid. Sooty bands are often concentrated near the top of the J1 coal bed, suggesting that peat accumulation was ended by one or more wetland wildfires. Gross thickness of the J1 bed ranges from 1.15 to 2.28 metres, with a median thickness of 1.40 metres. The J1 coal thickens gradually to the west. The basal contact of the J1 coal with the underlying J2P parting is abrupt and generally sheared, allowing the coal to part freely from its floor during mining,
- The J2P parting is the most variable of the rock-units within Perry Creek Mine, in

terms of both thickness and lithology. To the northeast, the J2P parting is very thick, consisting mainly of hard conglomerate and gritstone. Elsewhere throughout the mine, the J2P parting is much thinner, consisting of markedly-softer, free-digging, variably-carbonaceous mudstone.

Throughout most of the previously-mined area, the J2P parting consists of soft, flaky, black, coaly mudstone and thin-bedded, platy, brittle, dark grey to dark brown carbonaceous to silty mudstone, with thickness ranging from nil to 0.5 metre, and a median thickness of 0.1 metre. North of approximately 6105800 northing, the J2P parting gradually thickens to about 1.5 metres and coarsens to hard silty mudstone and siltstone. Yet further to the north, beyond 6105950 northing, the J2P parting rapidly thickens to 30 metres' thickness, and it passes into erosive-based sandy gritstone and pebble-conglomerate, together designated as the J conglomerate.

Substantial thicknesses of J conglomerate occur solely within the extreme northeastern corner of the mine, but the J3 conglomerate is inferred to continue northwestward into the extreme northeastern corner of the Phase 4A block. As well, a substantial area situated to the north of the mine's present northern highwall (and likely to be worked by underground rather than by surface methods) contains thick J conglomerate.

Within the southwestern half of the planned Phase 4A and Phase 4B surface-mining areas, the J2P parting is generally thinner than 0.1 metre, and it is considered to have no practical significance to mining operations other than serving as a geological marker within the conjoint J12 coal bed.

With the exception of the very thick (15.6 metres' drilled thickness, and likely thicker) J2 conglomerate in the northeastern corner of Phase 4B, the thickness of the J2P parting ranges from nil to 1.5 metres, with a median thickness of 0.14 metres. Where the J2P parting is altogether absent, the J1 coal is inferred to abruptly overlie the J2 coal (thus exemplifying the conjoined nature of the J12 coal zone)

Where the J2P parting is thin, its basal contact with the underlying J2 coal is abrupt, locally marked by a shear-zone or freely-separable surface. Where the parting is thicker, especially where it consists of 'J2 conglomerate', the base of J2P is erosive, scouring down into the underling J2 coal. This contact has been locally observed to be a coal-on-coal erosional surface, in certain areas within the Phase 3 mining block, where the J2P rock pinches out altogether. Similar erosional relationships are expected to locally occur within the planned Phase 4 mining area.

- The J2 coal zone comprises the central and thickest part of the J coal group within Perry Creek Mine. The J2 coal zone typically consists of coarsely-interbedded, generally-hard, dull banded to dull and bright coal with frequent thin bands of high-ash dirty coal, and occasional thick laminae and lenses of, flaky, coaly mudstone, some of which is fusain-rich. The J2 coal is moderately well-cleated, but its cleats are often mineralised and 'healed, rendering the coal very hard and

strong, and thus encouraging the formation of large coal blocks in the course of mining.

The J2 coal is generally the thickest of the three coals within the J-group, with net (coal-only) thickness ranging from 2.85 to 7.6 metres and gross (coal and included rock bands) thickness ranging from 2.95 to 7.75 metres. Median net and gross thicknesses are 3.45 and 3.60 metres respectively. Thickness of the J2 shows no obvious trends within the planned mining area, but there is a slight tendency for the proportion of high-ash ('dirty') coal to increase westward. As well, high-ash coal is often present at the immediate top of the J2 coal bed, except for the extreme northeastern portion of the planned mining area, where the base of the J2P parting is distinctly nonconformable (erosive in action) upon the underling J2 coal.

The J2 coal can be traced, on the basis of its characteristic double-peaked geophysical-log signature, throughout the planned mining area, even within those areas where the overlying J2P parting is so thin as to allow the J1 and J2 coal beds to have coalesced to form the conjoint J12 coal bed (as discussed further below). The J2 coal maintains an attractive thickness for augering or underground mining, northward beyond the northwestern boundary of the planned mining area.

Geophysical logs show a consistent zone of higher-ash coal about one-third of the way above the base of the J2 coal bed. This higher-ash zone generally manifests as dull, dirty, soft coal, but it locally thickens and hardens to become the thin but geophysically-distinctive J2L parting of black coaly mudstone to dark brown carbonaceous mudstone, thus defining the J2U coal bed and the J2L coal bed within the J2 coal zone. The J2L parting is not known to thicken beyond 0.46 metres within the planned mining area, and its median thickness is nil (i.e., it is too thin to ‘see’ in geophysical logs (or perhaps altogether absent) in at least half of the borehole intersections); the J2L parting is therefore considered to be non-removable, and nowhere within the planned mining area does it prevent the conjoint working of the J2U and J2L coals.

- The J12 coal zone is locally-recognised as a coalition of the J1 and J2 coal beds. When the J2 parting is less than 50 centimetres thick, the parting together with the overlying J1 coal bed and underlying J2 coal bed is considered to have coalesced to form the conjoint J12 coal zone. For practical purposes, the 50-centimetre thickness contour on the J2 parting is considered to form the line of split, dividing the area of distinct J1 and J2 coals (north of the line of split) from the area of conjoint J12 coal (south of the line of split). The line of split itself trends west-northwestward across Perry Creek Mine.

  Within the area where the J1 and J2 coals are deemed to have coalesced, the net (coal-only) thickness of the J12 coal zone ranges from 4.2 to 9.35 metres, and the gross (coal plus internal rock bands) thickness ranges from 4.65 to 9.5 metres. As was noted above in the case of the J2 coal, the very thick J12 coal has been observed in only one borehole; this occurrence is therefore

regarded as likely being due to local rolling or overthrusting within the coal, and thus considered unlikely to persist over a wide area.

Median net and gross thickness of the J12 coal zone are 4.93 and 5.15 metres respectively, consistent with the scarcity and thinness of the internal rock bands within the conjoint coals. Within the conjoint area, the J2 parting remains recognisable within the J12 coal bed, on the basis of a slight increase in ash content (or 'dirtiness) of the basal part of the J1 coal and the upper part of the J2 coal. J2 parting thicknesses in this area range from 0 to 0.5 metres, with a median thickness of 0.1 metres. For practical purposes, the J2 parting is considered to be non-removable from within the conjoint J12 coal zone, and the coals are therefore planned to be worked together as one during the course of surface-mining operations.

The J12 coal is often soft and sheared within its top decimetre, rendering easier the stripping of the overlying interburden rock from above the coal. This soft band is mined with the underlying harder, cleaner coal, as it is generally too thin to warrant special handling.

- The J3 parting separates the J2 coal zone from the J3 coal bed. This parting is consistently present throughout the planned Phase 4 surface-mining area, consisting of thinly-interbedded to interlaminated medium grey siltstone and very fine- to fine-grained, distinctively-rippled silty sandstone with minor grey silty mudstone, dark brown carbonaceous mudstone, and lenses of soft (presumably higher-ash) coal and black, flaky, coaly mudstone. The J3 parting is characteristically very hard and strong, often requiring secondary blasting in the course of mining.

  Thickness of the J3 parting ranges from 1.10 to 2.45 metres, with a median thickness of 1.66 metres. The J3 parting very gradually thins to the southwest, but nowhere within the planned mining area does this parting become so thin as to become non-removable in the course of mining the J2 and J3 coals.

- The J3 coal bed is the most consistently-developed of the J-zone coals at Perry Creek, maintaining its individual identity and not merging with the overlying J2 coal. The J3 coal is the most widely-developed of the coals within the Quintette-Bullmoose coalfield; it is correlative and possibly continuous with the ‘Fourth Coal’ of the Falher ‘E’ member of the Gates Formation on a regional basis.

  The J3 coal consists of coarsely-laminated, blocky, very hard, dull banded to bright banded coal, rarely containing any internal rock partings. The J3 bed does, however, commonly become soft and fusain-rich at its immediate top. Occasionally the basal decimetre of the coal becomes somewhat clay-rich (although harder), and sometimes sandy, grading downward into coaly or carbonaceous rock. The J3 coal bed as a whole remains thick and clean enough to mine throughout the planned Phase 4 mining area.

  Net coal thickness of the J3 coal bed ranges from 1.35 to 3.10 metres, with a median thickness of 2.18 metres. Gross thickness ranges from 1.35 to 3.25 metres, also with a median thickness of 2.18 metres. The J3 coal bed lacks any

obvious thickness trends, other than its local thickening and thinning (on the scale of a few decimetres) over irregularities in the surface of the underlying Quintette Sandstone.

The basal contact of the J3 coal with the underlying strata is generally gradational over a few centimetres. As a result of this gradation, the J3 coal tends to remain firmly attached to its floor, especially adjacent to minor faults, rolls or swales in the underlying rock.

The Falher Member is of Late Early Albian age (Wan, 1996). Its basal contact with the underlying Torrens Member of the Gates Formation is abrupt, marked by an undulating surface possibly originating as relict sandbars or sand-waves.

4.2.6.3 Torrens Member (map-unit 5a)

Within the Sukunka-Quintette coalfield, the term 'Torrens Member' is often applied as a local name for the thick sandstone underlying the lowest of the mineable Gates coal beds. Within the northern part of the Quintette segment of the coalfield (including the Perry Creek and East Bullmoose / Mt. Spieker areas), however, there are two of these sandstone units, the upper Quintette and lower Torrens sandstones, separated by a thick medial fine-grained 'silty zone' (not yet given a specific stratigraphic name) of interbedded siltstone, sandstone and shale. The two sandstones are probably of marine origin, but the silty zone comprises both marine and non-marine rocks, including rare thin coaly stringers at some sites. where it has been drilled within the Perry Creek coal property. The overall thickness of the Torrens Member at Perry Creek is 49 to 65 metres.

- the Quintette Sandstone is 12 to 29 metres thick at Perry Creek;
- the unnamed medial siltstone unit is 8 to 27 metres thick; and
- the Torrens Sandstone is 10 to 12 metres thick.

Coal-exploration boreholes seldom penetrate far into the Quintette Sandstone, and have thus far generally left the medial siltstone unit untested as to the presence of coal. Those few boreholes which have reached the siltstone unit have failed to find coal of workable thickness.

Quintette Sandstone

The Quintette Sandstone forms the floor of the J3 coal bed, and accordingly the sandstone forms the exposed (post-mining) limbs of the Perry Creek Syncline within Perry Creek Mine. The Quintette Sandstone is thick-bedded to massive, medium-to coarse-grained, clean and well-sorted except for its immediate top 10 to 30 cm, which is characteristically root-penetrated and carbonaceous to coaly. A few decimetres to a metre of variably-carbonaceous siltstone and mudstone, also root-penetrated, locally fill hollows within the top surface of the Quintette Sandstone, but these fine-grained rocks do not appear to be laterally-continuous.

The basal contact of the sandstone with the underlying silty zone appears to be abrupt but not obviously erosive, at least as indicated by geophysical logs. The Quintette Sandstone is possibly the lateral equivalent of the Falher 'F' sandstone, as

recognised by the oil and gas industry. In earlier coal-industry reports, the Quintette Sandstone was frequently designated as the 'Sheriff Member' of the Gates Formation.

Unnamed silty zone

The unnamed medial silty zone of the Torrens Member consists of interbedded siltstone, sandstone and shale, lacking any associated coal despite the silty zone being the host of the Gates 'K' coal zone within some of the now-abandoned Quintette mines, south of Wolverine River. In the few boreholes which have penetrated its full thickness, the silty zone is 8 to 27 metres thick.

Torrens Sandstone

The Torrens Sandstone is the basal, and thinnest, of the three sub-units within the Torrens Member at Perry Creek. The sandstone is 10 to 12 metres thick within the few exploratory boreholes which have penetrated its full thickness. The Torrens Sandstone forms the lower of the two prominent cliffs on the southern flank of Fortress Mountain, south of the mine's workings and north of the Wolverine Colliery buildings.

The age of the Torrens Member is presumed to be Late Early Albian. The basal contact of the Torrens Member with the underlying Spieker Member of the Moosebar Formation is gradational by interbedding (Carmichael, 1983).

4.2.7 Moosebar Formation (map-unit 4)

The Moosebar Formation comprises 90 to 105 metres of dark grey, locally-concretionary mudstone and siltstone, with minor thin interbeds of sandstone and tuff, and a thin basal conglomerate. Concretions are sideritic, and distinctly rusty-weathering, concentrated in laterally-persistent bands, a few decimetres thick, which may represent diastem-induced hardgrounds. Tuff bands within the Moosebar Formation are very thin (a few millimetres to a few decimetres) but also laterally-persistent. Variations in the Moosebar's thickness are likely due to intertonguing with the southward-thickening sandstone of the basal Torrens Member of the Gates Formation. Some variation in thickness may also be due to structural telescoping of the relatively-incompetent Moosebar rocks between the stronger rocks of the overlying Gates and underlying Gething formations.

The Moosebar Formation is of Early Albian age (Stott, 1968). Its basal contact with the underlying Gething Formation is abrupt, and generally erosional, characteristically marked by a very thin band of variably-glauconitic gritty sandstone or pebbly gritstone.

At Perry Creek, and within the Sukunka-Quintette coalfield generally, the Moosebar Formation may be divided into three units. In order from top down, these are:

- Spieker Member (map-unit 4c): banded to fissile-weathering, thinly-interbedded siltstone and sandstone, 45 to 55 metres thick;
- Cowmoose Member (map-unit 4b): massive-appearing dark grey to black, variably- silty mudstone, with occasional thin bands of tuff, 45 to 50 metres thick, possibly structurally-thickened by thrusting in some areas;
- Basal gritstone member (map-unit 4a): variably-glauconitic gritty sandstone or pebbly

gritstone, 0.1 to 1 metre thick.

Within much of the area covered by **Map 2-3**, including all of the lands comprising the Perry Creek coal property, the constituent units of the Moosebar Formation cannot be readily mapped, owing to lack of good exposures at the ground surface. The sub-units can, however, be readily recognised within those few boreholes which have intersected them.

4.2.7.1 Spieker Member (map-unit 4c)

The Spieker Member comprises 45 to 55 metres of thinly-interbedded, overall coarsening-upward sandy siltstone and sandstone, pervasively-bioturbated and possibly originating as proximal shallow-marine turbidites (Leckie, 1983) in front of the advancing Falher/Torrens paleodelta. Sandstone beds become thicker, coarser, and more abundant towards the top of the Spieker, and on the whole the Spieker Member is a transitional unit (Duff and Gilchrist, 1981) between the underlying Cowmoose mudstone and the overlying Torrens sandstones.

The age of the Spieker Member is presumed to be Early Albian to possibly late Early Albian; thus far this unit has yielded no diagnostic fossils. The basal contact of the Spieker with the underlying Cowmoose Member is drawn at the base of the lowest band of sandy siltstone overlying the mudstones. This contact is inferred to be locally abrupt or erosional, but regionally-interfingering.

4.2.7.2 Cowmoose Member (map-unit 4b)

The Cowmoose Member (an informal stratigraphic name used within the coalfield) of the Moosebar Formation comprises 45 to 50 metres of rubbly-weathering, dark grey to black siltstone and mudstone, punctuated by laterally-persistent bands crowded with ironstone concretions, locally-abundant dolomitic nodules, and several thin (a few millimetres to a few decimetres) but laterally-persistent bands of light olive drab to white tuff. The tuff bands are useful as local structural markers (Duff and Gilchrist, 1981; Kilby, 1984a).

The age of the Cowmoose Member is Early Albian (Stott, 1968). The basal contact of the mudstones over the underlying basal gritstone unit of the Moosebar is gradational to abrupt, and generally easily-recognised on geophysical logs.

4.2.7.3 Basal gritstone member ('Green Marker') (map-unit 4a)

The basal gritstone member of the Moosebar Formation (locally designated as the 'Green Marker' in the absence of a more formal name) comprises 0.1 to 1 metres of locally-glauconitic, chert-rich lithic arenite to pebble-conglomerate. Stott (1968, page 40, in his discussion of the “Gething-Moosebar Problem”) suggested that the basal gritstone unit might be equivalent to the Bluesky Formation of the Alberta Plains, but that correlation is now understood to be incorrect (Kilby, 1984b; Gibson, 1992b). The age of the basal gritstone member is presumed to be Early Albian. Its basal contact with the underlying Chamberlain Member of the Gething Formation is presumed to be abrupt, and locally erosional. Upon the accompanying geological map (**Map 2-3**), map-units 4a and 4b are depicted together as map-unit 4ab, owing to the impracticality of depicting the thin basal gritstone by itself at the given scale of mapping.

4.3 Bullhead Group (map-units 3 and 2)

The Bullhead Group consists of two formations, the Gething Formation which comprises the majority of the group's thickness, and the thinner basal Cadomin Formation (Stott, 1963; 1968; 1973).

The upper portion of the Gething Formation is exposed within the valleys of Perry Creek and Wolverine River, in the northeastern and southwestern parts of the Perry Creek property respectively. The Gething Formation has been reached by very few of the historic or current boreholes, and its basal contact with the Cadomin Formation has not yet been reached by coal-exploration drilling within the property.

The Cadomin Formation is not exposed in outcrop, nor is it inferred to be present at rockhead, within any part of the Perry Creek coal property. On the basis of its consistent regional distribution, the Cadomin is inferred to underlie the Gething at substantial depth throughout the property, and as well the Cadomin does outcrop along the railway-tracks, about a kilometre southwest of the property's southwestern corner.

4.3.1 Gething Formation (map-unit 3)

The Gething Formation, of Hauterivian to Early Albian age within the Early Cretaceous (Gibson, 1992a), comprises thin to thick interbeds of siltstone, sandstone, mudstone and coal, with lesser amounts of gritstone, pebble-conglomerate, ironstone and tuff.

The Gething Formation originated as a complex of non-marine to shallow-marine sedimentary deposits, laid down by meandering and braided streams and rivers within a widely-extensive belt of coastal deltas, of which two (the Gaylard and Chamberlain paleodeltas) extended into the Perry Creek coal property.

Coals of the Gething Formation at Perry Creek, and their enclosing sedimentary rocks, were deposited between 111 and 123 million years ago (Gibson, *ibid.*), on the basis of regional plant-fossil and foraminiferal zonations.

Following upon suggestions made by coal-company geologists (Wallis and Jordan, 1974) and subsequent correlation by the British Columbia Geological Survey (Duff and Gilchrist, 1981; Legun, 1990), Gibson formally divided the Gething Formation into three members: the upper, non-marine to transitional Chamberlain Member, the middle marine Bullmoose Member, and the basal, non-marine to transitional Gaylard Member. A fourth member of the Gething Formation, the Bluesky Member, is also inferred to be present between the base of the Bullmoose Member and the top of the Gaylard Member.

In the geological map accompanying this report (**Map 2-3**), the Gething Formation is mapped as one single undivided unit (map-unit 3), on account of its limited extent of outcrop exposure, and its having been penetrated by few of the boreholes drilled within the Perry Creek property. Historic borehole QWD-7115 did, however, intersect a complete section of the Chamberlain Member, extending into the uppermost part of the underlying Bullmoose Member.

Regionally, coal of potentially-workable thickness and quality is known to occur within both the Chamberlain and Gaylard members of the Gething Formation. None of

the few deep boreholes at Perry Creek have yet tested the Gaylard Member for coal, but the Chamberlain Member is known to contain the typical three coal zones (from top down, the Bird, Skeeter and Chamberlain coal zones, as described in Wallis and Jordan's 1974 report) in those few holes which have reached their horizon at Perry Creek.

4.3.1.1 Chamberlain Member

The Chamberlain Member comprises 30 to 40 metres of thickly-interbedded, brown-weathering sandstone and siltstone, containing three regionally-significant coal zones: the Bird Zone (containing one or more coal beds) near the member's top, and the Skeeter and Chamberlain zones (again, each containing one or more coal beds) within the member's middle. The basal quarter to third of the Chamberlain Member's thickness comprises one or two regionally-extensive thick beds of marine sandstone, known informally as the Chamberlain Sandstone (*per* prior usage by Wallis and Jordan, 1974).

Owing to limited extent of outcrop within the property, exacerbated by paucity of borehole information, the Chamberlain coals have been only minimally-considered as a development target at Perry Creek. One of the Chamberlain coals (possibly within the Skeeter coal zone) was formerly exposed at outcrop at the base of Fortress Mountain, a few hundred metres southwest of the Wolverine coal-preparation plant, but this exposure has since been covered by a rock dump.

The age of the Chamberlain Member is late Early Albian (Gibson, 1992a). The basal contact of the Chamberlain Member with the underlying Bullmoose Member is drawn at the base of the thick basal sandstone(s). This contact is generally abrupt at local scale, but probably gradational by interfingering at the regional scale.

4.3.1.2 Bullmoose Member

The Bullmoose Member comprises 25 to 35 metres of thinly-interbedded, recessive-weathering mudstone, siltstone and minor sandstone of turbiditic aspect, forming one or more coarsening-upward sequences. The Bullmoose does not contain any coal, other than isolated coalified logs and coarse, poorly-preserved 'plant trash', likely of drifted origin. Regionally, the Bullmoose does, however, contain locally-abundant molluscan fossils, including *Pecten (Entolium)* cf. *irenense* McLearn (Gibson, 1992a) and *Yoldia kissoumi* (Duff and Gilchrist, 1981), which, although not age-diagnostic, are characteristic of the unit.

The Bullmoose Member is of late Early Albian age (Gibson, 1992a); its basal contact with the underlying Bluesky Member is generally gradational but locally abrupt.

4.3.1.3 Bluesky Member

The Bluesky Member comprises up to perhaps 3 metres (thickness not yet adequately-established) of pebbly mudstone to gritty pebble-conglomerate, at times slightly to moderately glauconitic, with occasional pyrite flecks. The basal contact of the Bluesky with the underlying Gaylard Member has not been directly observed at Perry Creek, owing to lack of outcrop exposure and insufficient depth of exploratory drilling; however, elsewhere within the Sukunka-Quintette coalfield it is generally abrupt to

erosional. The age of the Bluesky Member is likely to be late Early Albian. The Bluesky Member of the Gething Formation, as its name implies, is likely to be correlative (if not strictly coeval) with the Bluesky Formation of the Dawson Creek area (Kilby, 1984b; Legun, 1990).

4.3.1.4 Gaylard Member

The Gaylard Member comprises 150 to 160 metres of thickly-interbedded siltstone, mudstone and brown-weathering channel-filling sandstone, accompanied by minor ironstone, tuff, gritstone and conglomerate. Regionally, the Gaylard Member is well-established to contain coal, but the existence of Gaylard coals has not yet been demonstrated by drilling at Perry Creek.

The age of the Gaylard Member is Hauterivian to late Early Albian (Gibson, 1992a). Its basal contact with the underlying Cadomin Formation is gradational by interfingering at local and regional scale (Stott, 1968; Johnson, 1972; Gibson, 1992a), being most readily-drawn at the top of a bed of coarse-grained, often gritty and occasionally pebbly sandstone, which may laterally grade into more typical pebble-conglomerate characteristic of the Cadomin.

4.3.2 Cadomin Formation (map-unit 2)

The Cadomin Formation immediately underlies the Gething Formation, forming the basal part of the Bullhead Group (Stott, 1968). The Cadomin Formation is not known to outcrop within the Perry Creek property, but as noted above in the general discussion of the Bullhead Group, it is interpreted to extend beneath the property, albeit at relatively great depth.

Cadomin rocks are typically very hard, and resistant to erosion, forming ledges and cliffs beneath the more-subdued slopes of the Gaylard Member. This ledge-forming geometry is locally well-developed along the southeast-facing slopes of Fortress Mountain, where several tight folds are outlined by ledges and cliffs of the Cadomin.

The Cadomin Formation comprises one or more thick beds of coarse-grained, gritty to pebbly sandstone and pebble-to boulder-conglomerate (Jones, 1959; McLean, 1977) with occasional lenses of siltstone and pebbly gritstone, and rare thin lenses of dirty coal. Sandy phases of the Cadomin Formation thus strongly resemble the basal pebbly sandstones of the Gaylard Member, and the Cadomin's distinction from the Gaylard locally rests mainly upon the Cadomin Formation's greater lateral continuity. Within the Perry Creek coal property, the top of the Cadomin Formation has not yet been reached by any boreholes.

Within the Perry Creek area, the Cadomin Formation is inferred to be 30 to 85 metres thick, on the basis of its mapped distribution. Its basal contact with the underlying Monach Formation is likely to be erosional, with considerable local scour into the older sediments. Regionally, the base of the Cadomin marks a northeastward-deepening angular contact, cutting down into successively-older rocks of the Minnes Group (Stott, 1973).

4.4 Minnes Group (map-unit 1)

The Minnes Group, despite being known to contain coal within its outcrop belt along the southwestern fringe of the Sukunka-Quintette coalfield, is virtually unexplored in the vicinity of the Perry Creek property. The total thickness of the Minnes Group is estimated to be 1300 to 1400 metres, although some of this apparent thickness may be due to folding and thrust-faulting.

The Minnes Group in the Perry Creek area comprises three formations: from top down, the Monach, Beattie Peaks and Monteith formations. Of these three, only the Monach Formation is expected to outcrop at or near Perry Creek.

4.4.1 Monach Formation (map-unit 1)

The Monach Formation comprises ledge-forming sandstone and quartzite, with lesser amounts of interbedded siltstone and conglomerate, and occasional thin coals, part of the Minnes Group (Stott, 1998). The Monach is not known nor inferred to form bedrock within any part of the Perry Creek property, but many oil and gas wells have demonstrated its presence at generally-unmineable depth throughout the coalfield.

The Monach Formation is of Berriasian to Valanginian age (Stott, 1998). Sections in oil and gas wells show the Monach to be 1300 to 1400 metres thick in the Perry Creek area, although this thickness may reflect tectonic telescoping and thickening of the formation.

6 Reclamation

Perry Creek Mine operates within an approved scheme of mining and progressive reclamation. Appropriate progress reports concerning reclamation have been submitted to provincial authorities by the mine's environmental staff. No additional mining, nor disturbant exploratory work, has been conducted subsequent to the submission of CAR-967 in January of 2015.

7 Statement of costs

Owing to the lack of disturbant physical work during years 2014 and 2015, minimal assessable costs are ascribed to the Perry Creek coal property, beyond those costs previously-reported in Coal Assessment Report No. 967. Detailed cost-allocation data (on a project-by-project basis) have not been captured by Walter Canadian Coal Partnership's staff timesheets, so the cost given below is solely an estimate.

Geological studies (as in-office activities) have continued to the present time. The majority of this work has been stratigraphic re-interpretation of existing boreholes, in support of coal-facies mapping. The author's time devoted to this work is estimated as thirty days during the years 2014 and 2015, inclusive of the time devoted to the compilation of the present report. Estimated cost of this work, based upon an unloaded day-rate of $500/day, is therefore $15,000. To reiterate, this cost figure is an estimate, in light of lack of detailed cost allocation records.

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9 Conclusions

The Perry Creek coal property contains coal-measures of Early Cretaceous age, within the Bullhead and Fort St. John groups of sedimentary rocks. These rocks are deformed by folded, imbricate thrust faults and associated folds, consistent with the overall thin-skinned structural style of the Rocky Mountain Foothills of northeastern British Columbia.

Initial coal-exploration work at Perry Creek was performed by Denison Mines Limited and successor companies, as has previously been reported in detail within Coal Assessment Report No.967 (Cathyl-Huhn, 2015), and references cited therein. Most of the historic exploration effort has been devoted to the Falher Member coals within the Gates Formation, although some work was also done to assess the thickness and quality of the Chamberlain Member coals within the Gething Formation. This historic work commenced in 1971 and continued until 1989.

More recent ('current') physical work on the Perry Creek coal property, previously-reported within Coal Assessment Report No.967, comprises further drilling and coal-quality studies, conducted during the years 2001 through 2013. in support of coal resource/reserve estimation (as previously-reported by Minnes (2012) and summarised within **Section 5** of the present report. [redacted]

Systematic re-interpretation of geophysical logs from historic (years 1971 to 1989) and current (years 2001 to 2013) exploratory boreholes have established the general continuity of the Falher Member coal beds throughout the explored extent of the Perry Creek coal property. Within the southwestern part of the property, coals of the E and F coal zones thin out and pass laterally from coal to dirty coal to coaly rock, whereas the coals (J1, J2U, J2L, and J3 beds)of J coal zone closely approach each other, owing to the lateral thinning of their intervening rock bands. Within the northwestern part of the property, the lowermost coals (E3U, E3L, and E4 beds) of the E coal zone closely approach the coals (F1 and F2) of the F coal zone, forming a composite zone of numerous coals and intervening rock bands.

Lithologic (**Appendix A**) and coal-thickness (**Appendix B**) data files have been compiled in support of ongoing coal-facies modelling within this area; these files are presented in printed and machine-readable formats, within the appendices of the present report.

Costs of the present report, including supporting geological studies, are estimated to be $15,000. The Perry Creek property merits further work.

10 Statement of qualifications

I, C.G. Cathyl-Huhn P.Geo.(BC) Lic.Geol.(WA) RMSME, do hereby certify that:

a) I am currently employed by Walter Canadian Coal Partnership, a subsidiary of Walter Energy, in their Northeast British Columbia office in Tumbler Ridge, British Columbia.

b) This certificate applies to the current report, titled *Coal Assessment Report on the Perry Creek coal property – volume 2: geological studies*, dated December 8, 2015.

c) I am a member (Professional Geoscientist, Licence No.20550) of the Association of Professional Engineers and Geoscientists of British Columbia, licensed as a geologist (Licence No.2089) in Washington State, and a founding Registered Member of the Society for Mining, Metallurgy and Exploration (SME, Member No.518350). I have worked as a colliery geologist in several countries for over 37 years since my graduation from university.

d) I certify that by reason of my education, affiliation with professional associations, and past relevant work experience, having written numerous published and private geological reports and technical papers concerning coalfield geology, coal-mining geology and coal-resource estimation, that I am qualified as a Qualified Person as defined by Canadian *National Instrument 43-101* and a Competent Person as defined by the Australian *JORC Code*.

e) My most recent visit to the Perry Creek coal property was in November of 2015.

f) I am the author of this report, titled *Coal Assessment Report on the Perry Creek coal property – volume 2: geological studies*, dated December 8, 2015, concerning the Perry Creek coal property.

g) As of the date of the writing of this report, I am not independent of Walter Canadian Coal Partnership and Walter Energy, pursuant to the tests in Section 1.4 of *National Instrument 43-101*.

"original signed and sealed by"

Dated this 8th day of December, 2015.

C.G. Cathyl-Huhn P.Geo. Lic.Geol. RMSME
Senior Colliery Geologist

Appendix A: Borehole positions and lithological interpretations

Borehole positions and elevations given in **Table A-1** and **A-2** are presented in terms of Zone 10 of the NAD-83 Universal Transverse Mercator grid system, and geodetic elevation above mean sea level, respectively. Cross-references for 1971-1989 boreholes are to Coal Assessment Reports as listed in **Section 8** of the present report.

Table A-1: 1971-1989 boreholes

Borehole	NAD83 UTM		Metres		Drilling Method	Cross-reference to Coal Assessment Reports (CAR-)
	Easting	Northing	Elevation	Total Depth		
QWD7112	612526.46	6105138.86	872.61	308.4	Coring	CAR-597 (Parkes, 1971)
QWD7115	610309.07	6106232.43	1269.63	444.55	Coring	
QWD7117	609529.7	6106946.04	1286.4	397	Coring	CAR-597 (Parkes, 1971)
QWD7118	610258.85	6106986.05	1181.5	175.87	Coring	
QWD7119	610943.87	6105793.52	1212.5	197.21	Coring	
QWD7120	609984.96	6107334.74	1206.3	191.11	Coring	
QWD7121	609198.57	6107326.68	1219.2	169.77	Coring	
QWD7402	611238.57	6103426.68	982	124	Coring	CAR-606 (Gormley, 1974)
WDH1	611398.24	6104225.2	953.51	230	Coring	CAR-597
QPD88001	611780.447	6106274.342	1071.41	171	Coring	CAR-746 (Johnson, 1989)
QPD88002	611465.309	6105857.476	1099.5	194.15	Coring	
QPR87001	612301.229	6105420.397	918.56	73.5	Rotary	CAR-739 (Johnson, 1988)
QPR87002	611953.452	6105188.683	954.5	60.5	Rotary	
QPR87003	612068.93	6105337.11	945.01	44.4	Rotary	
QPR87004	612211.088	6105482.99	930.30	37.9	Rotary	
QPR87005	612326.404	6105655.328	923.47	43.3	Rotary	
QPR88001	611047.198	6106622.378	1135.05	181.8	Rotary	CAR-746 (Johnson, 1989)
QPR88002	611452.59	6106511.36	1101.47	171.3	Rotary	
QPR88003	612106.144	6106057.532	1055.31	137.1	Rotary	
QPR88004	611401.01	6106741.08	1092.31	70.82	Rotary	

Table A-2: 2001-2013 boreholes

Borehole	NAD83 UTM		Metres		Drilling Method	Notes
	Easting	Northing	Elevation	Total Depth		
PRH01-1C	611307.81	6105706.74	1126.29	162.5	Coring	
PRH01-2	611583.33	6106005.5	1063.53	196.29	Rotary	
PRH01-3C	612268.41	6105549.4	925.71	272.1	Coring	
PRH01-4C	611906.71	6106435.63	1101.73	104.55	Coring	
PRH01-5	611714.25	6106200.09	1036.96	163.7	Rotary	
PRH01-6	610605.68	6105910.36	1297.57	194.29	Rotary	
PRH01-7	610809.7	6106046.93	1227.59	209.09	Rotary	
PRH01-8	610974.34	6106241.94	1172.7	200.44	Rotary	
PRH01-9	611603.25	6105367.67	1066.33	130.19	Rotary	
PRH01-10	611244.07	6105044.59	1169.06	124	Rotary	

Table A-2: 2001-2013 boreholes (continued)

Borehole	NAD83 UTM		Metres		Drilling Method	Notes
	Easting	Northing	Elevation	Total Depth		
PRH01-11	611992.3	6105697.01	979.29	105	Rotary	
PRH01-12	611787.1	6105618.79	1015.08	116.99	Rotary	
PRH01-13	611185.34	6105507.61	1165.41	188.93	Rotary	
PRH01-14	611276.49	6106550.05	1117.52	190	Rotary	
PRH01-15	610877.31	6105374	1270.18	190	Rotary	
PRH01-16C	611145.68	6106385.59	1121.3	208.99	Coring	
PRH01-17C	612073.79	6105338.88	945.03	33.44	Coring	
BS2002-1	612043.73	6105313.24	952.4	38.86	Coring	Bulk sample; not logged
BS2002-2	612044.92	6105314.67	952.3	38.71	Coring	Bulk sample
BS2002-3	612046	6105315.8	952.17	38.4	Coring	Bulk sample; not logged
BS2002-4	612047.2	6105316.8	952.19	38		
BS2002-5	612048.5	6105318.5	951.91	38.05		
BS2002-6	612049.4	6105320.1	951.8	37.85		
BS2002-7	612041.9	6105315.3	952.56	38.2		
BS2002-8	612043.7	6105316	952.25	38.1		
BS2002-9	612044.8	6105317.3	952.14	38.48		
BS2002-10	612046.5	6105318.5	952.03	37.87		
BS2002-11	612047.8	6105319.7	951.92	38.18		
BS2002-12	612277.4	6105609.7	929.92	37.64		
BS2002-13	612273.4	6105604.1	929.89	36.42		
BS2002-14	612272.62	6105602.58	929.75	36.12		
BS2002-15	612271.8	6105600.7	929.77	36.04		
BS2002-16	612270.8	6105599	929.67	35.89		
BS2002-17	612269.7	6105597.3	929.64	35.89		
BS2002-18	612268.9	6105595.5	929.66	35.66		
BS2002-19	612231.7	6105551.4	934.74	35.69		
BS2002-20	612230.8	6105550	934.65	35.41		
BS2002-21	612229.92	6105548.33	934.53	35.31		
BS2002-22	612229.4	6105546.7	934.41	35.15		
BS2002-23	612228.2	6105544.5	934.37	34.9		
BS2002-24	611805.7	6105101.6	987.73	30.94		
BS2002-25	611807.4	6105104	987.45	31.47		
BS2002-26	611808.49	6105105.61	987.38	31.39		
BS2002-27	611809.8	6105106.9	987.24	31.55		
BS2002-28	611811.02	6105108.13	987.21	32.41		
PRH02-01	612255.39	6105465.17	920.87	16.16	Rotary	
PRH02-02	612273.93	6105451.04	919.01	13.11	Rotary	
PRH02-03	612149.97	6105274.52	923.73	10.4	Rotary	
PRH02-04	612113.59	6105311.87	928.49	15.92	Rotary	

Table A-2: 2001-2013 boreholes (continued)

Borehole	NAD83 UTM		Metres		Drilling Method	Notes
	Easting	Northing	Elevation	Total Depth		
PRH02-05	612419.36	6105586.61	912.13	19.2	Rotary	
PRH02-06	612446.6	6105553.58	910.59	16.15	Rotary	
PRH02-07	612363.21	6105629.63	917.54	31.4	Rotary	
PRH02-08C	612228.86	6105477.37	927.23	24.38	Coring	
PRH02-09	611589.71	6106645.54	1099.01	71.3	Rotary	
PRH02-10C	611629.28	6106719.71	1089.53	62.75	Coring	
PRH02-11	610515.46	6104589.1	1375.19	118.8	Rotary	
PRH02-12	610586.29	6104684.51	1366.63	97.29	Rotary	
PRH02-13	610693.81	6104772.58	1326.72	113.8	Rotary	
PRH02-14	610805.7	6104892.86	1306.88	125.6	Rotary	
PRH02-15	610931.29	6104656.38	1287.63	56.79	Rotary	
PRH02-16	610934.57	6104528.7	1289.57	52.5	Rotary	
PRH02-17	610893.31	6104429.85	1296.69	71.02	Rotary	
PRH02-18C	610932.26	6104655.55	1287.11	53.4	Coring	
PRH02-19	611998.87	6106553.42	1098.63	48.55	Rotary	
PRH02-20C	611976.92	6106550.65	1100.97	19	Coring	
BS2003-1	611896.475	6106185.783	1064.85	55.69	Coring	Bulk sample
BS2003-2	location unknown; BS2003-2 and -3 not logged; logs are missing for BS2003-4			55.37	Coring	Bulk sample
BS2003-3				45.77	Coring	Bulk sample
BS2003-4				55.76	Coring	Bulk sample
BS2003-5	611896.475	6106185.783	1064.85	37.48	Coring	Bulk sample
BS2003-6	611896.475	6106185.783	1064.85	36.08	Coring	Bulk sample
BS2003-7	611896.475	6106185.783	1064.85	35.07	Coring	Bulk sample
PRH2003-1C	611494.8	6105919.27	1095.66	195.84	Coring	
PRH2003-2C	611303.99	6105701.7	1125.97	105.53	Coring	
PRH2003-3	611792.16	6105810.05	1000.8	132	Rotary	
PRH2003-4	612169.59	6106012.38	1055.93	122.94	Rotary	
PRH2003-5	612492.876	6106543.346	990.41	81.29	Rotary	
PCBS2004-1C	612217.6984	6105529.134	933.89	34.8	Coring	Bulk sample
PCBS2004-2C	612220.2169	6105530.424	933.91	32.76		
PCBS2004-3C	612220.5311	6105533.264	933.93	35.05		
PCBS2004-4C	612221.7108	6105534.683	933.91	35.05		
PCBS2004-5C	612223.1702	6105536.548	933.8	34.13		
PCBS2004-6C	612224.7096	6105539.003	933.74	35.05		
PCBS2004-7C	612226.1626	6105541.523	933.66	34.74		
PCBS2004-8C	612227.2476	6105543.752	933.79	35.44		
PCBS2004-9C	612228.8292	6105545.423	933.68	36.36		
PCBS2004-10C	612240.4832	6105559.888	932.66	35.92		
PCBS2004-11C	612243.1938	6105562.575	932.33	36.02		
PCBS2004-12C	612243.75	6105565.192	932.28	36.07		
PCBS2004-13C	612245.937	6105563.698	932.11	35.42		

Table A-2: 2001-2013 boreholes (continued)

Borehole	NAD83 UTM		Metres		Drilling Method	Notes
	Easting	Northing	Elevation	Total Depth		
PCBS2004-14C	612247.1241	6105565.723	931.75	35.96	Coring	Bulk sample
PCBS2004-15C	612245.6032	6105567.268	931.81	35.96		
PCBS2004-16C	612248.3441	6105566.857	931.77	35.76		
PCBS2004-17C	612249.2746	6105571.074	931.38	37.86		
PCBS2004-18C	612323.6771	6105632.78	921.78	35.01		
PCBS2004-19C	612253.0121	6105574.346	930.99	33.68		
PCBS2004-20C	612262.3702	6105588.298	929.58	33.23		
PCBS2004-21C	612218	6105541	not individually surveyed	60.86		
PCBS2004-22C	612218	6105541		61.47		
PCBS2004-23C	612218	6105541		58.91		
PCBS2004-24C	612218	6105541		62.98		
PCBS2004-25C	612218	6105541		60.33		
PCBS2004-26C	612218	6105541		50.88		
PCBS2004-27C	612218	6105541		59.8		
PCR2005-1	611287.37	6103215.57	910.04	61.93		
PCR2005-2	611357.7	6103302	926.03	107.3		
PC2006-01	611367.6	6104923	1141.54	106.43	Coring	
DH2	611153.4	6104842	1212.36	109.7	Coring	
DH2006-3	610895.5	6104799	1283.74	109.7	Coring	
DH7	611025	6104620	1249.07	10	Coring	Not logged
DH2006-8	610807.4	6104892	1301.33	124.9	Coring	
DH2006-09	610790.7	6104770	1300.79	91.44	Coring	
DH2006-10	610865.6	6104680	1301.92	70.1	Coring	
DH2006-11	610885.9	6104560	1302.97	82.3	Coring	
DH2006-13	610804.8	6104626	1301.31	67	Coring	
PR2006-01	610645.83	6104494.33	1304.6	173.73	Rotary	
PR2006-02	610801.17	6104311.07	1269.31	138.68	Rotary	
PR2006-03	610891.53	6104143.31	1206.73	138.68	Rotary	
PR2006-04	610712.91	6104247.01	1223.8	138.68	Rotary	
PR2006-05	610780.05	6104037.42	1147.7	163.06	Rotary	
PR2006-06	610778.74	6104036.71	1147.63	184.4	Rotary	
PR2006-07	610918.62	6103965.89	1124.38	123.44	Rotary	
PR2006-08	610924.35	6103957.97	1122.83	129.54	Rotary	
PR2006-09	610908.81	6103865.35	1068.1	118.87	Rotary	
PR2006-10	610908.13	6103864.43	1068.19	167.9	Rotary	
PR2006-11	611023.42	6103750.95	1046.58	112.7	Rotary	
PR2006-12	611018.24	6103748.81	1046.42	97.5	Rotary	
PR2006-13	611139.76	6103594.25	1014.08	170.38	Rotary	
PR2006-14	611139.19	6103600.75	1014.04	83.82	Rotary	
PR2006-15	611162.124	6103257.487	952.67	79.94	Rotary	
PR2006-16	610822.123	6103799.73	1058.63	156.9	Rotary	

Table A-2: 2001-2013 boreholes (continued)

Borehole	NAD83 UTM		Metres		Drilling Method	Notes
	Easting	Northing	Elevation	Total Depth		
PR2006-17	610870.533	6103620.425	1059.49	189.51	Rotary	
PR2006-18	610712.166	6103702.708	1103.28	195.94	Rotary	
PR2006-19	610782	6103479.109	1086.15	173.7	Rotary	
PR2006-20	611026.724	6103273.13	988.73	150	Rotary	Not logged
PR2006-21	608831.903	6107263.178	1216.47	108.2	Rotary	
PR2006-22	609070.388	6107107.83	1261.7	74.7	Rotary	
PR2006-22A	*not surveyed*			141.7	Rotary	
PR2006-23	608883.211	6107604.02	1208.45	153.92	Rotary	
PR2006-24	608622.536	6107736.064	1256.73	145	Rotary	
PR2006-25	609345.897	6108116.22	1359.16	154	Rotary	
PR2006-26	608311.773	6107904.126	1347.11	151	Rotary	
PR2006-27	608448.182	6107283.328	1225.6	129.54	Rotary	
PR2006-28	608445.135	6107454.185	1238.21	135.6	Rotary	
PR2006-29	608164.54	6107570.968	1324.58	163.06	Rotary	
TDH-1	610832.77	6104666.97	1270	40	Coring?	Not logged
TDH-2	610966.24	6104595.51	1270.3	40	Coring?	Not logged
TDH-3	610851.09	6104860.59	1272	50	Coring?	Not logged
TDH-4	not drilled					
TDH-5	610836.87	6104801.62	1272	40	Coring?	Not logged
PC2007-01C	610849.6	6104688	1240.3	9.14	Coring	Not logged
PC2007-02C	610862.24	6104704.94	1240.58	19.3	Coring	
PC2007-03C	610881.33	6104736.87	1240.69	40.48	Coring	
PC2007-04C	610896.72	6104764.4	1240.3	51.82	Coring	
PC2007-05C	610912.41	6104663.83	1240.51	19.81	Coring	
PC2007-06C	610929.07	6104682.84	1240.23	19.81	Coring	
PC2007-07C	610946.95	6104705.77	1240.12	39.6	Coring	
PC2007-08C	610964.03	6104724.19	1240.04	52.83	Coring	
PC2007-09C	611030.09	6104675.83	1239.95	44.2	Coring	
PC2007-10C	611007.91	6104654.06	1239.36	24.38	Coring	
PC2007-11C	611054.78	6104616	1239.4	20.96	Coring	
PC2007-12C	611034.05	6104595.44	1239.36	15.24	Coring	
PC2007-13C	611079.01	6104588.12	1238.12	22.27	Coring	
PC2007-14C	611052.62	6104564.06	1238.73	13.72	Coring	
PC2007-15C	611068.6	6104636	1237.86	9.14	Coring	
PC2007-16C	610985.3	6104634	1239.35	9.14	Coring	
PC2007-17C	610987.4	6104752	1240.17	67.88	Coring	
PC2007-18C	610928.5	6104821	1240	72.38	Coring	
PC2007-19C	611046.46	6104691.49	1243.21	66.35	Coring	
PC2007-20	611603.83	6105183.35	1072.64	112.17	Coring	

Table A-2: 2001-2013 boreholes (continued)

Borehole	NAD83 UTM		Metres		Drilling Method	Notes
	Easting	Northing	Elevation	Total Depth		
PC2007-21	611478.82	6105326	1093.83	118.87	Coring	
PC2007-22C	611598.07	6105090.88	1075.3	91.44	Coring	
PC2007-23C	611250.78	6104808.64	1175.29	87.62	Coring	
PC2007-24C	611154.23	6104754.73	1206.86	80.77	Coring	
PC2007-25C	611165.11	6104680.38	1207.02	60.96	Coring	
PC2007-26C	611112.12	6104628.41	1218.86	51.82	Coring	
PC2007-27C	611132.47	6104655	1212.4	50	Coring	Not logged
PC2007-28C	611147.74	6104668	1211.25	60	Coring	
PC2007-29C	611163.71	6104681.85	1206.88	83.82	Coring	
PC2007-30C	611279.97	6104730.09	1159.53	62.48	Coring	
PC2007-31C	611279.97	6104730.09	1159.53	76.2	Coring	
PC2007-32C	611406.43	6104818.5	1097.6	53.34	Coring	
PC2007-33C	611409.3	6104817	1097.2	76.2	Coring	
PC2007-34C	611465.29	6104879.32	1080.23	51.82	Coring	
PC2007-35C	611478.51	6104804.18	1050.9	16.76	Coring	
PC2007-36	611799.7	6106621.84	1101.9	96.01	Coring	
PC2007-37	611747.66	6106539.66	1107.21	108.2	Coring	
PC2007-38	612090.67	6106362.9	1102.83	91.44	Coring	
PC2007-39	612222.97	6106220.11	1088.65	84.12	Coring	
PC2007-40	611935.84	6106169.92	1062.24	150.88	Coring	
PC2007-41	612322.16	6105896.62	1012.71	74.68	Coring	
PC2007-42	611861.27	6106066.25	1019.89	149.35	Coring	
PC2007-43	612266.4	6105833.08	963.91	74.29	Coring	
PC2007-44	611839.53	6105899.15	989.83	134.11	Coring	
PC2007-45	611642.86	6106114.78	1037.62	192.02	Coring	
PC2007-46	611868	6106706.06	1101.65	51.82	Coring	
PC2007-47	612021.06	6106279.22	1101.54	138.68	Coring	
PC2007-48C	612163.92	6106134.66	1105.8	85.34	Coring	
PC2007-49C	612162.24	6106136.46	1106.2	120.39	Coring	
PC2007-50C	611709.06	6106739.55	1093.93	59.44	Coring	
PC2007-51C	612041.42	6106524.86	1097.04	44.19	Coring	
PC2007-52C	612238.44	6106245.73	1078.35	28.96	Coring	
PC2007-53C	611691.04	6106464.74	1095.18	124.97	Coring	
PC2007-54C	611709.41	6106739.82	1096.13	67.01	Coring	
PC2007-55C	612161	6106128	1104	137.47	Coring	
PC2007-56C	612367.17	6105947.64	1023.12	39.62	Coring	
PC2007-57C	612378.27	6105793.96	965.74	42.67	Coring	

Table A-2: 2001-2013 boreholes (continued)

Borehole	NAD83 UTM		Metres		Drilling Method	Notes
	Easting	Northing	Elevation	Total Depth		
PC2007-58C	611729.28	6105940.33	1017.66	161.54	Coring	
PC2007-59C	612037.93	6106528.41	1096.99	43.59	Coring	
PC2007-60C	612140.66	6106194.72	1120.94	86.87	Coring	
PC2007-61C	612266.69	6105830	963.84	80.77	Coring	
PC2007-62C	612024.37	6106110.68	1060.69	94.49	Coring	
PC2007-63C	610823.16	6104333.5	1284.05	110.03	Coring	
PC2007-64C	610918.21	6104440.49	1286.11	52.12	Coring	
PC2007-65C	610902.77	6104321.29	1276.4	81.99	Coring	
PC2007-66C	610921.29	6104440.38	1286.03	64.02	Coring	
PC2007-67C	610901.68	6104321.21	1276.44	76.5	Coring	
PC2007-68C	610920.52	6104440.37	1286.02	58.22	Coring	
PCS2007-1C	612091.07	6105874.11	965.48	108.79	Coring	Not logged
PCS2007-02C-1	611991.2	6105921	976.6	106.68	Coring	
PCS2007-02C-2	611988.15	6105922.51	976.71	132.59	Coring	
PC-08-01	609138.65	6107211.95	1238	195.07	Rotary	
PC-08-02	609432.87	6107238.34	1214.27	85.34	Rotary	
PC-08-03	609781.88	6107255.63	1226.74	170	Rotary	
PC-08-04	609950.66	6107062.27	1216.98	152.4	Rotary	
PC-08-05C	610111.11	6106792.22	1228.78	127.4	Coring	
PC-08-06C	609690.75	6106758.48	1290.2	139.6	Coring	
PC-08-07	609346.38	6106722.68	1333.82	187.02	Rotary	
PC-08-08C	609168.15	6106934.62	1301.54	165.5	Coring	
PC-08-09	609850.72	6106479.14	1305.36	164.5	Rotary	
PC-08-10	610564.06	6106540.68	1189.45	200.03	Rotary	
PC-08-11	610806.39	6106852.14	1122.18	158.49	Rotary	
PC-08-12	610402.71	6107159.15	1136.59	172.49	Rotary	
PC-08-13	not drilled					
PC-08-14	610022.73	6107516.28	1177.62	167.64	Rotary	
PC-08-14B	610022.73	6107516.28	1177.62	186	Rotary	
PC-08-15	609642.32	6107466	1185.88	135	Rotary	
PC-08-16	610153.28	6106065.69	1384.13	256.03	Rotary	
PC-08-17	610439.81	6105704.83	1363.96	243.84	Rotary	
PC-08-18	610655.07	6105346.41	1320.47	259.08	Rotary	
WBS-08-01 (PC2008-01C)	unknown	location	unknown	13.71	Coring	Not surveyed?
WR-08-01 (PC08-03R)	611163	6105030.04	1145.34	85.34	Rotary	
PC-09-01	611578.44	6105814.73	1060.92	163.06	Rotary	
PC-09-02	611658.34	6105680.78	1037.34	135.63	Rotary	
PC-09-03	611712.91	6106053.43	1022.43	181.35	Rotary	

Table A-2: 2001-2013 boreholes (continued)

Borehole	NAD83 UTM		Metres		Drilling Method	Notes
	Easting	Northing	Elevation	Total Depth		
PC-09-04	611502.67	6105582.19	1074.89	134.11	Rotary	
PC-09-05	611357.96	6105402.73	1130.16	144.78	Rotary	
PC-09-06	611295.55	6105483.88	1138.84	150.87	Rotary	
PC-09-07	611144.95	6105535.45	1172.71	160.02	Rotary	
PC-09-08	611185.06	6105198.81	1188.42	150.87	Rotary	
PC-09-09	611108.32	6105330.49	1207.16	163.06	Rotary	
PC-09-10	610934.45	6105292.17	1255.82	172.21	Rotary	
PC-09-11	610989.28	6105128.43	1260.68	169.16	Rotary	
PC-09-12	610474.79	6104904.67	1416.87	240.79	Rotary	
PC-09-13	610566.66	6105005.3	1385.49	196.55	Rotary	
PC-09-14	610556.06	6104869.52	1372.17	178.3	Rotary	
PC-09-15	610651.87	6105114.23	1349.49	181.36	Rotary	
PC-09-16	610720.18	6105047.47	1348.6	178.3	Rotary	
PC-09-17	610582.69	6104684.33	1365.83	178.3	Rotary	
PC-09-18	610509.65	6104589.39	1374.26	214.88	Rotary	
PC-09-19	610932.08	6105802.17	1214.37	184.4	Rotary	
PC-09-20	610151.03	6107678.07	1154.97	146	Rotary	
PC-09-21	610167.9	6107554.79	1162.53	176.78	Rotary	
PC-09-22	610522.84	6107274.77	1129.29	117	Rotary	
PC-09-23	610396.41	6107445.24	1144.14	140	Rotary	
PC-09-24	610215.18	6107350.21	1174.64	153	Rotary	
PC-09-25	609371.09	6107449.25	1192.53	85	Rotary	
PC-09-26	609304.3	6107074.14	1258.15	93	Rotary	
PC-09-27	608973.46	6106970.31	1295.31	178	Rotary	
PC-09-28	608781.03	6106755.44	1324.5	273.48	Rotary	
PC-09-29	609052.34	6106860.28	1338.61	227.14	Rotary	
PC-09-30	608773.24	6106511.5	1385.3	239.33	Rotary	
PC-09-31	609139.97	6106731.76	1371.18	263.72	Rotary	
PC-09-32	608903.01	6106200.62	1421.43	187.45	Rotary	
PC-09-33	609499.67	6106387.88	1410.67	274.32	Rotary	
PC-09-34	609841.39	6106199.91	1387.52	245	Rotary	
PC-09-35	610740.81	6107070.2	1083.39	176.78	Rotary	
PC-09-36	611092.71	6106676.18	1123.94	164.59	Rotary	
PC-09-37	610762.58	6106948.47	1108.5	118.87	Rotary	
PC-09-38	610472.44	6106896.29	1164.43	179.83	Rotary	
PC-09-UC	610218.6	6107219	1169.1	173.73	Coring	Gas tests
PC13-01c	610956	6105246.44	1259.2	171.5	Coring	
PC13-02c	610722	6104794.82	1300.34	110.33	Coring	
PC13-03c	610424.4	6104922.5	1425.4	1091.2	Coring	
PC13-04c	610392.9	6104690.04	1425.17	121.71	Coring	
PC13-05c	610550.3	6105079.67	1383.23	180.41	Coring	

Table A-2: 2001-2013 boreholes (concluded)

Borehole	NAD83 UTM		Metres		Drilling Method	Notes
	Easting	Northing	Elevation	Total Depth		
PC13-AR01c	610755.6	6105069.73	1336.4	172.99	Coring	
PC13-AR02	610938.5	6105537.47	1234.69	148.37	Rotary	
PC13-AR03c	610724.9	6105314.71	1308.07	179.82	Coring	
PC13-AR04c	611176.5	6105932	1184.3	216.08	Coring	
PC13-AR05c	611391.6	6106152	1115.59	220.49	Coring	

Note: this table is adapted from Table 2-3 of Coal Assessment Report No.967.

Table A-3 presents a key to stratigraphic and lithological codes used in **Table A-4**.

Table A-3: Stratigraphic identity and lithology codes

Identity codes and their significance			Lithology codes and their significance	
********	zone not interpreted in detail		********	zone not interpreted in detail
A	A coal bed	Notikewin Mb. of Gates Fm.	Ash	Tuff (volcanic ash / tonstein) band, not specifically-named
A1	A1 coal bed		ASH_22 ASH_20 ASH_19 ASH_18 ASH_17 ASH_16 ASH_14 ASH_12 ASH_11 ASH_10 ASH_09 ASH_08 ASH_05 ASH_04 ASH_02 ASH_01	Specifically-named tuff bands within the Hulcross Fm., numbered from 22 near top of formation, to 1 near base of formation.
ARMAND	Armand sandstone			
B	B coal bed			
BASAL_HC	Basal Grit marker bed	Hulcross Fm.		
BIRD	Bird coal bed	Chamberlain Mb. of Gething Fm.		
BULLMOOSE	Bullmoose Mb. of Gething Fm.			
C	C coal bed	Notikewin Mb. of Gates Fm.		
CADOTTE	Cadotte Mb. of Boulder Creek Fm.			
CHAMBERLAIN	Chamberlain coal bed	Chamberlain Mb. of Gething Fm.		
COWMOOSE	Cowmoose Mb. of Moosebar Fm.			
D	D coal bed	Falher Mb. of Gates Fm.		
DRIFT	Undivided Quaternary and Recent deposits		C	Coal (log-indicated density typically 1.50 or less)
E0	E0 coal bed	Falher Mb. of Gates Fm.	CBSH	Carbonaceous shale (including mudstone or siltstone; log-indicated density typically 1.90 to 2.20)
E1	E1 coal bed			
E2L	E2L coal bed			

Table A-3: Stratigraphic identity and lithology codes (continued)

Identity codes and their significance			Lithology codes and their significance	
E2LP	Parting between E2L and E2U		CR	Coaly rock (log-indicated density typically 1.70 to 1.90)
E2U	E2U coal bed	Falher Mb. of Gates Fm.		
E3L	E3L coal bed		DC	Dirty coal (including high-ash coal and interlaminated coal and rock; log-indicated density typically 1.50 to 1.70)
E3P	Parting between E2L and E3U			
E4	E4 coal bed	Falher Mb. of Gates Fm.		
ESTABLISHED	Confidence level of fault interpretation		DRIFT	Unconsolidated and semi-consolidated deposits (may include weathered rock and colluvium)
FAULT	Fault, with undefined confidence level			
F1	F1 coal bed			
F2	F2 coal bed		FAULT	Fault (including bedding-plane shear zones with associated caving, gouge, or breccia bands); confidence level (where determined) ranges from 'possible' to 'probable' to 'established'.
F2P	Parting between F1 and F2			
FSS	Fortress Mountain sandstone	Notikewin Mb. of Gates Fm.		
FT_MT_CG	Fortress Mountain conglomerate			
G	G coal bed	Falher Mb. of Gates Fm.	GLAUC	Glauconitic rock
G1	G1 coal bed		IRST	Ironstone (typically with anomalously-high density log response)
GJPT	Parting between G and J1			
GREEN_MKR	Green Marker	Moosebar Fm.	R	Rock (not otherwise specified)
HULCROSS	Hulcross Fm. (overlies Gates Fm.)			
J1	J1 coal bed	Falher Mb. of Gates Fm.		
J2L	J2L coal bed			
J2LP	Parting between J2L and J2U			
J2P	Parting between J1 and J2U			
J2U	J2U coal bed	Falher Mb. of Gates Fm.		
J3	J3 coal bed			
J3P	Parting between J2L and J3			
LOWER_BIRD	Lower component of Bird coal zone			
MEDIAL_SILT	Medial silty zone within Torrens Mb. of Gates Fm. (underlies Quintette sandstone, and overlies Torrens sandstone)			

Table A-3: Stratigraphic identity and lithology codes (concluded)

Identity codes and their significance			Lithology codes and their significance	
POSSIBLE	Confidence level of fault interpretation			
PROBABLE	Confidence level of fault interpretation			
QUINTETTE	Quintette sandstone	Torrens Mb. of Gates Fm.		
SKEETER	Skeeter coal bed	Chamberlain Mb. of Gething Fm.		
SPIEKER	Spieker Mb.	Moosebar Fm.		
TORRENS	Torrens sandstone	Torrens Mb. of Gates Fm.		
UPPER_BIRD	Upper component of Bird coal zone			
WSS	Wolverine sandstone	Falher Mb. of Gates Fm.		
WV_CG	Wolverine conglomerate			

*Note: this table lists codes used in the compilation of the lithology file, from which **Table A-4** is derived. Identity codes are largely specific to the Perry Creek coal property, whereas lithology codes are as more-commonly used in the author's studies of northeastern British Columbia coal deposits.*

Table A-4: Lithology file (coals and markers) for Perry Creek

Borehole	Downhole depths (in metres)		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
QWD-7115	0	18.29	DRIFT	18.29	DRIFT
QWD-7115	18.29	21.73		3.44	R
QWD-7115	21.73	21.95		0.22	CR
QWD-7115	21.95	22.19		0.24	R
QWD-7115	22.19	22.62		0.43	CR
QWD-7115	22.62	23.16		0.54	R
QWD-7115	23.16	59.83	FSS	36.67	R
QWD-7115	59.83	59.98		0.15	CR
QWD-7115	59.98	60.72		0.74	CBSH
QWD-7115	60.72	61.26		0.54	R
QWD-7115	61.26	61.51		0.25	CBSH
QWD-7115	61.51	61.81	D	0.3	C
QWD-7115	61.81	62.09	D	0.28	CR
QWD-7115	62.09	62.21	D	0.12	DC
QWD-7115	62.21	63.28		1.07	R
QWD-7115	63.28	63.79		0.51	CBSH
QWD-7115	63.79	64.07		0.28	R
QWD-7115	64.07	64.34		0.27	CBSH
QWD-7115	64.34	66.2		1.86	R
QWD-7115	66.2	66.3		0.1	CBSH
QWD-7115	66.3	66.57		0.27	CR
QWD-7115	66.57	67.09		0.52	CBSH
QWD-7115	67.09	72.85		5.76	R
QWD-7115	72.85	73		0.15	CBSH
QWD-7115	73	73.37	E0	0.37	CR
QWD-7115	73.37	75.32		1.95	R
QWD-7115	75.32	75.71	E1	0.39	C
QWD-7115	75.71	76.23	E1	0.52	R
QWD-7115	76.23	76.78	E1	0.55	C
QWD-7115	76.78	82.27		5.49	R
QWD-7115	82.27	82.6	E2U	0.33	CBSH
QWD-7115	82.6	84.43	E2LP	1.83	R
QWD-7115	84.43	84.67	E2LP	0.24	CBSH
QWD-7115	84.67	84.98	E2L	0.31	C
QWD-7115	84.98	85.34	E3P	0.36	CBSH
QWD-7115	85.34	92.02	E3P	6.68	R
QWD-7115	92.02	92.29	E3P	0.27	CBSH
QWD-7115	92.29	92.69	E3U	0.4	C
QWD-7115	92.69	92.93		0.24	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
QWD-7115	92.93	93.33	E3L	0.4	C
QWD-7115	93.33	93.88		0.55	R
QWD-7115	93.88	94.24	E4	0.36	DC
QWD-7115	94.24	94.49		0.25	CR
QWD-7115	94.49	98.05		3.56	R
QWD-7115	98.05	98.76	F1	0.71	C
QWD-7115	98.76	99.06	F2P	0.3	CBSH
QWD-7115	99.06	99.61	F2	0.55	C
QWD-7115	99.61	111.22	WV_CG	11.61	R
QWD-7115	111.22	120.09	WSS	8.87	R
QWD-7115	120.09	121.68		1.59	R
QWD-7115	121.68	121.95	G1	0.27	CBSH
QWD-7115	121.95	123.41		1.46	R
QWD-7115	123.41	123.72		0.31	CBSH
QWD-7115	123.72	123.99		0.27	R
QWD-7115	123.99	124.11		0.12	CBSH
QWD-7115	124.11	129.84		5.73	R
QWD-7115	129.84	130.67	G	0.83	C
QWD-7115	130.67	135.27	GJPT	4.6	R
QWD-7115	135.27	136.79	J1	1.52	C
QWD-7115	136.79	151.79	J2P	15	R
QWD-7115	151.79	152.31	J2U	0.52	DC
QWD-7115	152.31	153.22	J2U	0.91	C
QWD-7115	153.22	153.98	J2U	0.76	C
QWD-7115	153.98	154.32	J2LP	0.34	CBSH
QWD-7115	154.32	154.53	J2LP	0.21	CR
QWD-7115	154.53	155.45	J2LP	0.92	R
QWD-7115	155.45	156.3	J2L	0.85	C
QWD-7115	156.3	160.36	J3P	4.06	R
QWD-7115	160.36	162.76	J3	2.4	C
QWD-7115	162.76	164.59		1.83	R
QWD-7115	164.59	186.75	QUINTETTE	22.16	R
QWD-7115	186.75	224.03	MEDIAL_SILT	37.28	R
QWD-7115	224.03	224.33	MEDIAL_SILT	0.3	ASH
QWD-7115	224.33	225.8	MEDIAL_SILT	1.47	R
QWD-7115	225.8	247.65	TORRENS	52.03	R
QWD-7115	247.65	325.25	SPIEKER	47.42	R
QWD-7115	325.25	368.81	COWMOOSE	43.56	R
QWD-7115	368.81	369.42	GREEN_MKR	0.61	GLAUC
QWD-7115	369.42	370.61		1.19	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
QWD-7115	370.61	371.4	BIRD	0.79	C
QWD-7115	371.4	372.34		0.94	R
QWD-7115	372.34	372.92		0.58	CBSH
QWD-7115	372.92	373.11		0.19	R
QWD-7115	373.11	373.62		0.51	CBSH
QWD-7115	373.62	404.96		31.34	R
QWD-7115	404.96	406.09	SKEETER	1.13	C
QWD-7115	406.09	406.54	SKEETER	0.45	R
QWD-7115	406.54	407.18	SKEETER	0.64	C
QWD-7115	407.18	409.07		1.89	R
QWD-7115	409.07	410.87	CHAMBERLAIN	1.8	C
QWD-7115	410.87	411.05	CHAMBERLAIN	0.18	CR
QWD-7115	411.05	411.27	CHAMBERLAIN	0.22	DC
QWD-7115	411.27	438.15		26.88	R
QWD-7115	438.15	443.48	BULLMOOSE	5.33	R
QWD-7117	0	36.27	DRIFT	33.83	DRIFT
QWD-7117	36.27	36.58		0.31	R
QWD-7117	36.58	37.19	F1	0.61	C
QWD-7117	37.19	37.8	F2P	0.61	CR
QWD-7117	37.8	38.34	F2	0.54	C
QWD-7117	38.34	63.4	********	25.06	********
QWD-7117	63.4	63.55		0.15	CR
QWD-7117	63.55	63.98	G	0.43	C
QWD-7117	63.98	64.56	GJPT	0.58	R
QWD-7117	64.56	64.86	GJPT	0.3	CR
QWD-7117	64.86	65.26	J1	0.4	DC
QWD-7117	65.26	65.96	J1	0.7	C
QWD-7117	65.96	107.84	J2P	41.88	R
QWD-7117	107.84	108.2	J2U	0.36	C
QWD-7117	108.2	108.42	J2LP	0.22	CR
QWD-7117	108.42	111.86	J2LP	3.44	R
QWD-7117	111.86	112.47	J2L	0.61	C
QWD-7117	112.47	112.62	J2L	0.15	CR
QWD-7117	112.62	112.99	J2L	0.37	C
QWD-7117	112.99	113.14	J2L	0.15	CR
QWD-7117	113.14	113.42	J2L	0.28	DC
QWD-7117	113.42	120.4	J3P	6.98	R
QWD-7117	120.4	122.22	J3	1.82	C
QWD-7117	122.22	122.53	J3	0.31	DC
QWD-7117	122.53	157.28	QUINTETTE	34.75	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
QWD-7117	157.28	173.13	MEDIAL_SILT	15.85	R
QWD-7117	173.13	183.31	TORRENS	10.18	R
QWD-7117	183.31	183.49	TORRENS	0.18	CR
QWD-7117	183.49	214.55	TORRENS	31.06	R
QWD-7117	214.55	279.2	SPIEKER	64.65	R
QWD-7117	279.2	336.5	COWMOOSE	57.3	R
QWD-7117	336.5	347.84	GREEN_MKR	11.34	R
QWD-7117	347.84	348.17	UPPER_BIRD	0.33	DC
QWD-7117	348.17	351.83		3.66	R
QWD-7117	351.83	352.32	LOWER_BIRD	0.49	CR
QWD-7117	352.32	374.32		22	R
QWD-7117	374.32	376.12	SKEETER	1.8	C
QWD-7117	376.12	376.73	SKEETER	0.61	CR
QWD-7117	376.73	377.34	SKEETER	0.61	C
QWD-7117	377.34	378.56		1.22	R
QWD-7117	378.56	379.11		0.55	CBSH
QWD-7117	379.11	382.95		3.84	R
QWD-7117	382.95	384.96	CHAMBERLAIN	2.01	C
QWD-7117	384.96	397		12.04	R
QWD-7118	0	30.48	DRIFT	30.48	DRIFT
QWD-7118	30.48	69.86	********	39.38	********
QWD-7118	69.86	70.29	E3U	0.43	DC
QWD-7118	70.29	70.53		0.24	CR
QWD-7118	70.53	70.87	E3L	0.34	C
QWD-7118	70.87	71.32		0.45	R
QWD-7118	71.32	71.84	E4	0.52	DC
QWD-7118	71.84	72.79		0.95	R
QWD-7118	72.79	73.15	F1	0.36	C
QWD-7118	73.15	73.46	F1	0.31	DC
QWD-7118	73.46	73.76	F2P	0.3	CR
QWD-7118	73.76	74.37	F2	0.61	C
QWD-7118	74.37	97.54	********	23.17	********
QWD-7118	97.54	97.99	G	0.45	C
QWD-7118	97.99	102.41	GJPT	4.42	R
QWD-7118	102.41	103.33	J1	0.92	C
QWD-7118	103.33	140.82	J2P	37.49	R
QWD-7118	140.82	142.62	J2U	1.8	C
QWD-7118	142.62	143.56	J2LP	0.94	R
QWD-7118	143.56	143.8	J2LP	0.24	CBSH
QWD-7118	143.8	144.78	J2LP	0.98	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
QWD-7118	144.78	145.36	J2L	0.58	C
QWD-7118	145.36	146	J2L	0.64	DC
QWD-7118	146	150.27	J3P	4.27	R
QWD-7118	150.27	151.3	J3	1.03	C
QWD-7118	151.3	151.7	J3	0.4	DC
QWD-7118	151.7	152.7	J3	1	C
QWD-7118	152.7	171.27	QUINTETTE	18.57	R
QWD-7118	171.27	175.86	MEDIAL_SILT	4.59	R
QWD-7119	0	23.16	DRIFT	23.16	DRIFT
QWD-7119	23.16	27.74		4.58	R
QWD-7119	27.74	27.86	B	0.12	C
QWD-7119	27.86	34.75		6.89	R
QWD-7119	34.75	65.24	ARMAND	30.49	R
QWD-7119	65.24	67.36		2.12	R
QWD-7119	67.36	68.21	C	0.85	C
QWD-7119	68.21	86.26		18.05	R
QWD-7119	86.26	91.44	FSS	5.18	R
QWD-7119	91.44	94.49	FT_MT_CG	3.05	R
QWD-7119	94.49	94.79	D	0.3	CBSH
QWD-7119	94.79	103.02		8.23	R
QWD-7119	103.02	103.27	E0	0.25	CR
QWD-7119	103.27	104.09		0.82	R
QWD-7119	104.09	104.49	E1	0.4	DC
QWD-7119	104.49	114.37		9.88	R
QWD-7119	114.37	114.42	E2U	0.05	C
QWD-7119	114.42	115.18	E2L	0.76	C
QWD-7119	115.18	119.36	E3P	4.18	R
QWD-7119	119.36	119.79	E3U	0.43	C
QWD-7119	119.79	120.06		0.27	CR
QWD-7119	120.06	120.52	E3L	0.46	C
QWD-7119	120.52	121.43		0.91	R
QWD-7119	121.43	121.74	E4	0.31	CR
QWD-7119	121.74	127.41		5.67	R
QWD-7119	127.41	128.63	F1	1.22	C
QWD-7119	128.63	128.99	F2	0.36	C
QWD-7119	128.99	141.73	WV_CG	12.74	R
QWD-7119	141.73	145.85	WSS	4.12	R
QWD-7119	145.85	146.91		1.06	R
QWD-7119	146.91	147.16	G1	0.25	DC
QWD-7119	147.16	149.05		1.89	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
QWD-7119	149.05	149.35		0.3	CBSH
QWD-7119	149.35	151.12		1.77	R
QWD-7119	151.12	151.3		0.18	CBSH
QWD-7119	151.3	159.41		8.11	R
QWD-7119	159.41	160.32	G	0.91	C
QWD-7119	160.32	168.49	GJPT	8.17	R
QWD-7119	168.49	169.59	J1	1.1	C
QWD-7119	169.59	169.9	J2P	0.31	R
QWD-7119	169.9	170.86	J2U	0.96	C
QWD-7119	170.86	171.18	J2U	0.32	CR
QWD-7119	171.18	171.82	J2U	0.64	C
QWD-7119	171.82	172.58	J2L	0.76	DC
QWD-7119	172.58	173.46	J2L	0.88	C
QWD-7119	173.46	175.41	J3P	1.95	R
QWD-7119	175.41	175.56	J3P	0.15	CR
QWD-7119	175.56	175.78	J3P	0.22	R
QWD-7119	175.78	177.55	J3	1.77	C
QWD-7119	177.55	192.02	QUINTETTE	14.47	R
QWD-7120	0	39.93	DRIFT	39.93	DRIFT
QWD-7120	39.93	87.48	********	47.55	********
QWD-7120	87.48	87.84	E3U	0.36	C
QWD-7120	87.84	88.06		0.22	CR
QWD-7120	88.06	88.39	E3L	0.33	C
QWD-7120	88.39	88.64		0.25	CBSH
QWD-7120	88.64	88.91	E4	0.27	CR
QWD-7120	88.91	89.31		0.4	CBSH
QWD-7120	89.31	89.79	F1	0.48	C
QWD-7120	89.79	90.65	F2	0.86	DC
QWD-7120	90.65	116.07	********	25.42	********
QWD-7120	116.07	116.59	G	0.52	C
QWD-7120	116.59	119.73	GJPT	3.14	R
QWD-7120	119.73	120.09	J1	0.36	DC
QWD-7120	120.09	120.94	J1	0.85	C
QWD-7120	120.94	161.24	J2P	40.3	R
QWD-7120	161.24	161.54	J2U	0.3	C
QWD-7120	161.54	164.59	J2LP	3.05	R
QWD-7120	164.59	165.2	J2L	0.61	C
QWD-7120	165.2	173.13	J3P	7.93	R
QWD-7120	173.13	175.72	J3	2.59	C
QWD-7120	175.72	191.11	QUINTETTE	15.39	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
QWD-7121	0	9.39	DRIFT	9.39	DRIFT
QWD-7121	9.39	41.76	J2P	32.37	R
QWD-7121	41.76	42.37	J2U	0.61	C
QWD-7121	42.37	42.67	J2U	0.3	DC
QWD-7121	42.67	45.11	J2LP	2.44	R
QWD-7121	45.11	45.48	J2LP	0.37	CR
QWD-7121	45.48	45.87	J2L	0.39	DC
QWD-7121	45.87	46.33	J2L	0.46	R
QWD-7121	46.33	46.94	J2L	0.61	C
QWD-7121	46.94	52.94	J3P	6	R
QWD-7121	52.94	54.89	J3	1.95	C
QWD-7121	54.89	83.79	QUINTETTE	28.9	R
QWD-7121	83.79	106.98	MEDIAL_SILT	23.19	R
QWD-7121	106.98	113.54	TORRENS	6.56	R
QWD-7121	113.54	113.66	PROBABLE	0.12	FAULT
QWD-7121	113.66	118.72	QUINTETTE	5.06	R
QWD-7121	118.72	136.52	MEDIAL_SILT	17.8	R
QWD-7121	136.52	149.5	TORRENS	12.98	R
QWD-7121	149.5	169.77	SPIEKER	20.27	R
QWD-7402	0	0.37	DRIFT	0.37	DRIFT
QWD-7402	0.37	7.38		7.01	R
QWD-7402	7.38	7.74	E1	0.36	CBSH
QWD-7402	7.74	7.92		0.18	R
QWD-7402	7.92	8.17		0.25	CBSH
QWD-7402	8.17	8.56		0.39	R
QWD-7402	8.56	9.02	E2U	0.46	DC
QWD-7402	9.02	9.6	E2LP	0.58	R
QWD-7402	9.6	9.75	E2LP	0.15	CBSH
QWD-7402	9.75	10.12	E2L	0.37	DC
QWD-7402	10.12	10.73	E2L	0.61	C
QWD-7402	10.73	13.78	E2LP	3.05	R
QWD-7402	13.78	14.36	E3U	0.58	DC
QWD-7402	14.36	15.21		0.85	R
QWD-7402	15.21	15.7	E3L	0.49	CBSH
QWD-7402	15.7	31.09		15.39	R
QWD-7402	31.09	31.7	F1	0.61	C
QWD-7402	31.7	32.06	F2P	0.36	CBSH
QWD-7402	32.06	34.99	F2P	2.93	R
QWD-7402	34.99	35.66	F2	0.67	DC
QWD-7402	35.66	45.72	WV_CG	10.06	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
QWD-7402	45.72	48.83	WSS	3.11	R
QWD-7402	48.83	49.35	G1	0.52	DC
QWD-7402	49.35	54.86		5.51	R
QWD-7402	54.86	55.23		0.37	CBSH
QWD-7402	55.23	65.68		10.45	R
QWD-7402	65.68	66.51	G	0.83	C
QWD-7402	66.51	66.93	GJPT	0.42	CBSH
QWD-7402	66.93	83.91	GJPT	16.98	R
QWD-7402	83.91	85.28	J1	1.37	C
QWD-7402	85.28	85.68	J2U	0.4	DC
QWD-7402	85.68	86.05	J2U	0.37	C
QWD-7402	86.05	86.41	J2U	0.36	DC
QWD-7402	86.41	86.69	J2U	0.28	C
QWD-7402	86.69	87.02	J2U	0.33	DC
QWD-7402	87.02	87.84	J2U	0.82	C
QWD-7402	87.84	88.36	J2L	0.52	DC
QWD-7402	88.36	89.49	J2L	1.13	C
QWD-7402	89.49	90.1	J3P	0.61	CBSH
QWD-7402	90.1	93.18	J3	3.08	C
QWD-7402	93.18	120.24	QUINTETTE	27.06	R
QWD-7402	120.24	124.05	MEDIAL_SILT	3.81	R
QPD-88001	0	2.45	DRIFT	2.45	DRIFT
QPD-88001	2.45	64.3	********	61.85	********
QPD-88001	64.3	64.38	E3U	0.08	DC
QPD-88001	64.38	64.64	E3U	0.26	C
QPD-88001	64.64	64.88		0.24	R
QPD-88001	64.88	65.07	E3L	0.19	DC
QPD-88001	65.07	65.32	E3L	0.25	C
QPD-88001	65.32	65.84		0.52	R
QPD-88001	65.84	66.24	E4	0.4	CR
QPD-88001	66.24	69.68		3.44	R
QPD-88001	69.68	69.94	F1	0.26	DC
QPD-88001	69.94	70.04	F1	0.1	C
QPD-88001	70.04	70.16	F1	0.12	DC
QPD-88001	70.16	70.2	F2P	0.04	R
QPD-88001	70.2	70.42	F2	0.22	C
QPD-88001	70.42	70.52	F2	0.1	DC
QPD-88001	70.52	98.8	********	28.28	********
QPD-88001	98.8	99.48	G	0.68	C
QPD-88001	99.48	105.74	GJPT	6.26	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
QPD-88001	105.74	105.82	J1	0.08	DC
QPD-88001	105.82	106.92	J1	1.1	C
QPD-88001	106.92	145.7	J2P	38.78	R
QPD-88001	145.7	146.8	J2U	1.1	C
QPD-88001	146.8	149.18	J2L	2.38	C
QPD-88001	149.18	151.32	J3P	2.14	R
QPD-88001	151.32	154.23	J3	2.91	C
QPD-88001	154.23	171	QUINTETTE	16.77	R
QPD-88002	0	11.02		11.02	R
QPD-88002	11.02	11.18		0.16	C
QPD-88002	11.18	12.04		0.86	R
QPD-88002	12.04	12.3		0.26	C
QPD-88002	12.3	17.46		5.16	R
QPD-88002	17.46	17.68		0.22	CR
QPD-88002	17.68	22.07		4.39	R
QPD-88002	22.07	22.6	B	0.53	C
QPD-88002	22.6	22.65	B	0.05	DC
QPD-88002	22.65	22.89	B	0.24	C
QPD-88002	22.89	23.07	B	0.18	DC
QPD-88002	23.07	23.11	B	0.04	CR
QPD-88002	23.11	23.33	B	0.22	C
QPD-88002	23.33	23.41	B	0.08	CR
QPD-88002	23.41	23.58	B	0.17	R
QPD-88002	23.58	23.65	B	0.07	C
QPD-88002	23.65	23.69	B	0.04	CR
QPD-88002	23.69	23.76	B	0.07	DC
QPD-88002	23.76	23.81	B	0.05	C
QPD-88002	23.81	23.88		0.07	CR
QPD-88002	23.88	28.8		4.92	R
QPD-88002	28.8	59.46	ARMAND	30.66	R
QPD-88002	59.46	59.62	C	0.16	C
QPD-88002	59.62	59.7	C	0.08	DC
QPD-88002	59.7	59.82	C	0.12	CR
QPD-88002	59.82	60	C	0.18	C
QPD-88002	60	74.2		14.2	R
QPD-88002	74.2	101.2	FSS	27	R
QPD-88002	101.2	103.56		2.36	R
QPD-88002	103.56	103.77	D	0.21	DC
QPD-88002	103.77	107.88		4.11	R
QPD-88002	107.88	108.21	E0	0.33	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
QPD-88002	108.21	110.89		2.68	R
QPD-88002	110.89	111.1	E1	0.21	CBSH
QPD-88002	111.1	111.48		0.38	R
QPD-88002	111.48	111.65	E2U	0.17	DC
QPD-88002	111.65	111.72	E2LP	0.07	R
QPD-88002	111.72	111.79	E2LP	0.07	CR
QPD-88002	111.79	111.86	E2LP	0.07	R
QPD-88002	111.86	112.32	E2L	0.46	C
QPD-88002	112.32	112.39	E2L	0.07	DC
QPD-88002	112.39	114.07	E3P	1.68	R
QPD-88002	114.07	114.37	E3U	0.3	C
QPD-88002	114.37	114.44	E3U	0.07	DC
QPD-88002	114.44	114.65		0.21	R
QPD-88002	114.65	114.8	E3L	0.15	DC
QPD-88002	114.8	114.87	E3L	0.07	R
QPD-88002	114.87	115.16	E3L	0.29	C
QPD-88002	115.16	116.06		0.9	R
QPD-88002	116.06	116.21	E4	0.15	CR
QPD-88002	116.21	122.41		6.2	R
QPD-88002	122.41	122.77	F1	0.36	C
QPD-88002	122.77	122.93	F1	0.16	DC
QPD-88002	122.93	123.16	F1	0.23	C
QPD-88002	123.16	123.2	F2P	0.04	CR
QPD-88002	123.2	123.36	F2P	0.16	R
QPD-88002	123.36	123.4	F2P	0.04	CR
QPD-88002	123.4	124.03	F2	0.63	C
QPD-88002	124.03	134.4	WV_CG	10.37	R
QPD-88002	134.4	142.82	WSS	8.42	R
QPD-88002	142.82	143.08		0.26	R
QPD-88002	143.08	143.3	G1	0.22	CR
QPD-88002	143.3	152.86		9.56	R
QPD-88002	152.86	153.64	G	0.78	C
QPD-88002	153.64	168.92	GJPT	15.28	R
QPD-88002	168.92	169.54	J1	0.62	C
QPD-88002	169.54	169.64	J1	0.1	DC
QPD-88002	169.64	170.32	J1	0.68	C
QPD-88002	170.32	170.95	J2P	0.63	R
QPD-88002	170.95	171.08	J2P	0.13	CR
QPD-88002	171.08	171.4	J2U	0.32	C
QPD-88002	171.4	171.48	J2U	0.08	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
QPD-88002	171.48	171.56	J2U	0.08	CR
QPD-88002	171.56	171.91	J2U	0.35	C
QPD-88002	171.91	172	J2U	0.09	DC
QPD-88002	172	172.08	J2U	0.08	CR
QPD-88002	172.08	173.03	J2U	0.95	C
QPD-88002	173.03	173.12	J2U	0.09	DC
QPD-88002	173.12	173.16	J2LP	0.04	CR
QPD-88002	173.16	174.69	J2L	1.53	C
QPD-88002	174.69	176.6	J3P	1.91	R
QPD-88002	176.6	177.23	J3	0.63	C
QPD-88002	177.23	177.29	J3	0.06	DC
QPD-88002	177.29	178.84	J3	1.55	C
QPD-88002	178.84	194.2	QUINTETTE	15.36	R
QPR-88001	0	1	DRIFT	1	DRIFT
QPR-88001	1	131.08	********	130.08	********
QPR-88001	131.08	131.24	E3U	0.16	DC
QPR-88001	131.24	131.52	E3U	0.28	C
QPR-88001	131.52	131.6		0.08	CR
QPR-88001	131.6	131.72		0.12	CBSH
QPR-88001	131.72	131.96	E3L	0.24	DC
QPR-88001	131.96	132	E3L	0.04	CR
QPR-88001	132	132.12	E3L	0.12	DC
QPR-88001	132.12	132.3	E3L	0.18	C
QPR-88001	132.3	133.03		0.73	R
QPR-88001	133.03	133.33	E4	0.3	CR
QPR-88001	133.33	133.61		0.28	CBSH
QPR-88001	133.61	135.13		1.52	R
QPR-88001	135.13	135.4	F1	0.27	C
QPR-88001	135.4	135.72	F1	0.32	DC
QPR-88001	135.72	135.81	F1	0.09	C
QPR-88001	135.81	135.89	F1	0.08	DC
QPR-88001	135.89	135.95	F2P	0.06	CR
QPR-88001	135.95	136.43	F2	0.48	DC
QPR-88001	136.43	163.28	********	26.85	********
QPR-88001	163.28	163.6	G	0.32	C
QPR-88001	163.6	163.95	G	0.35	DC
QPR-88001	163.95	169.46	GJPT	5.51	R
QPR-88001	169.46	171.1	J1	1.64	C
QPR-88001	171.1	181.8	J2P	10.7	R
QPR-88002	0	3	DRIFT	3	DRIFT

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
QPR-88002	3	69.85	********	66.85	********
QPR-88002	69.85	70.32	E3U	0.47	C
QPR-88002	70.32	70.46		0.14	R
QPR-88002	70.46	71.04	E3L	0.58	C
QPR-88002	71.04	71.32		0.28	R
QPR-88002	71.32	71.84	E4	0.52	CR
QPR-88002	71.84	74.79		2.95	R
QPR-88002	74.79	75.74	F1	0.95	C
QPR-88002	75.74	75.88	F1	0.14	CR
QPR-88002	75.88	76.08	F1	0.2	C
QPR-88002	76.08	76.28	F2P	0.2	CR
QPR-88002	76.28	76.66	F2	0.38	C
QPR-88002	76.66	76.72	F2	0.06	CR
QPR-88002	76.72	77.23	F2	0.51	C
QPR-88002	77.23	100.4	********	23.17	********
QPR-88002	100.4	101.09	G	0.69	C
QPR-88002	101.09	106.61	GJPT	5.52	R
QPR-88002	106.61	107.04	J1	0.43	C
QPR-88002	107.04	107.16	J1	0.12	DC
QPR-88002	107.16	107.33	J2P	0.17	CR
QPR-88002	107.33	141.81	J2P	34.48	R
QPR-88002	141.81	143.08	J2U	1.27	C
QPR-88002	143.08	144.4	J2L	1.32	C
QPR-88002	144.4	144.48	J2L	0.08	DC
QPR-88002	144.48	150	J3P	5.52	R
QPR-88002	150	150.64	J3	0.64	C
QPR-88002	150.64	150.8	J3	0.16	DC
QPR-88002	150.8	151.36	J3	0.56	C
QPR-88002	151.36	152.32		0.96	R
QPR-88002	152.32	171.3	QUINTETTE	18.98	R
QPR-88004	0	2.1	DRIFT	2.1	DRIFT
QPR-88004	2.1	8.46	GJPT	6.36	R
QPR-88004	8.46	8.61	J1	0.15	DC
QPR-88004	8.61	9.51	J1	0.9	C
QPR-88004	9.51	58	J2P	48.49	R
QPR-88004	58	59.32	J2U	1.32	C
QPR-88004	59.32	59.44	J2L	0.12	DC
QPR-88004	59.44	60.58	J2L	1.14	C
QPR-88004	60.58	64.93	J3P	4.35	R
QPR-88004	64.93	65	J3	0.07	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
QPR-88004	65	65.75	J3	0.75	C
QPR-88004	65.75	65.78	J3	0.03	DC
QPR-88004	65.78	66.15	J3	0.37	C
QPR-88004	66.15	66.2	J3	0.05	DC
QPR-88004	66.2	67.32	J3	1.12	C
QPR-88004	67.32	71	QUINTETTE	3.68	R
PRH01-1C	0	8.05	DRIFT	8.05	DRIFT
PRH01-1C	8.05	11.55	ARMAND	3.5	R
PRH01-1C	11.55	11.85	ARMAND	0.3	CR
PRH01-1C	11.85	37.35	ARMAND	25.5	R
PRH01-1C	37.35	38.2		0.85	R
PRH01-1C	38.2	38.4	C	0.2	CR
PRH01-1C	38.4	38.55	C	0.15	CBSH
PRH01-1C	38.55	38.75	C	0.2	CR
PRH01-1C	38.75	54		15.25	R
PRH01-1C	54	63.7	FSS	9.7	R
PRH01-1C	63.7	76.3	FT_MT_CG	12.6	R
PRH01-1C	76.3	78.8		2.5	R
PRH01-1C	78.8	78.9	D	0.1	CBSH
PRH01-1C	78.9	86.63		7.73	R
PRH01-1C	86.63	86.82	E0	0.19	CR
PRH01-1C	86.82	88.25		1.43	R
PRH01-1C	88.25	88.45	E1	0.2	CR
PRH01-1C	88.45	91.2		2.75	R
PRH01-1C	91.2	91.55	E2U	0.35	CR
PRH01-1C	91.55	91.62	E2LP	0.07	R
PRH01-1C	91.62	92.35	E2L	0.73	C
PRH01-1C	92.35	93.7	E3P	1.35	R
PRH01-1C	93.7	93.8	E3U	0.1	DC
PRH01-1C	93.8	94.17	E3U	0.37	C
PRH01-1C	94.17	94.35		0.18	R
PRH01-1C	94.35	94.77	E3L	0.42	DC
PRH01-1C	94.77	95	E3L	0.23	C
PRH01-1C	95	95.95		0.95	R
PRH01-1C	95.95	96.32	E4	0.37	CR
PRH01-1C	96.32	96.45	E4	0.13	R
PRH01-1C	96.45	96.74	E4	0.29	CR
PRH01-1C	96.74	101.77		5.03	R
PRH01-1C	101.77	102.22	F1	0.45	C
PRH01-1C	102.22	102.38	F1	0.16	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH01-1C	102.38	102.8	F1	0.42	C
PRH01-1C	102.8	103.26	F2	0.46	C
PRH01-1C	103.26	115.7	WV_CG	12.44	R
PRH01-1C	115.7	123.25	WSS	7.55	R
PRH01-1C	123.25	123.85		0.6	R
PRH01-1C	123.85	124.05	G1	0.2	CBSH
PRH01-1C	124.05	125.5		1.45	R
PRH01-1C	125.5	125.75		0.25	CBSH
PRH01-1C	125.75	126.25		0.5	R
PRH01-1C	126.25	126.55		0.3	CBSH
PRH01-1C	126.55	133.15		6.6	R
PRH01-1C	133.15	134.1	G	0.95	C
PRH01-1C	134.1	147.45	GJPT	13.35	R
PRH01-1C	147.45	148.7	J1	1.25	C
PRH01-1C	148.7	148.95	J2P	0.25	R
PRH01-1C	148.95	149.4	J2U	0.45	C
PRH01-1C	149.4	149.6	J2U	0.2	CR
PRH01-1C	149.6	150.7	J2U	1.1	C
PRH01-1C	150.7	152.6	J2L	1.9	C
PRH01-1C	152.6	152.85	J3P	0.25	R
PRH01-1C	152.85	153.1	J3P	0.25	CBSH
PRH01-1C	153.1	154.42	J3P	1.32	R
PRH01-1C	154.42	156.75	J3	2.33	C
PRH01-1C	156.75	162.5	QUINTETTE	5.75	R
PRH01-2	0	1.3	DRIFT	1.3	DRIFT
PRH01-2	1.3	4.1		2.8	R
PRH01-2	4.1	4.35		0.25	CBSH
PRH01-2	4.35	9.65		5.3	R
PRH01-2	9.65	9.9	A1	0.25	CBSH
PRH01-2	9.9	14.75		4.85	R
PRH01-2	14.75	15		0.25	CBSH
PRH01-2	15	15.25		0.25	R
PRH01-2	15.25	15.5		0.25	CBSH
PRH01-2	15.5	16.1		0.6	R
PRH01-2	16.1	16.45	A	0.35	C
PRH01-2	16.45	18.6		2.15	R
PRH01-2	18.6	18.8		0.2	DC
PRH01-2	18.8	20.2		1.4	R
PRH01-2	20.2	20.45		0.25	CR
PRH01-2	20.45	27.6		7.15	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH01-2	27.6	28.2	B	0.6	C
PRH01-2	28.2	28.4	B	0.2	DC
PRH01-2	28.4	33.3		4.9	R
PRH01-2	33.3	35.32	ARMAND	2.02	R
PRH01-2	35.32	35.52	ARMAND	0.2	CR
PRH01-2	35.52	35.7	ARMAND	0.18	R
PRH01-2	35.7	35.9	ARMAND	0.2	CR
PRH01-2	35.9	36.28	ARMAND	0.38	R
PRH01-2	36.28	36.62	ARMAND	0.34	CBSH
PRH01-2	36.62	38.2	ARMAND	1.58	R
PRH01-2	38.2	38.45	ARMAND	0.25	CR
PRH01-2	38.45	38.65	ARMAND	0.2	CBSH
PRH01-2	38.65	53.2	ARMAND	14.55	R
PRH01-2	53.2	53.45	ARMAND	0.25	CBSH
PRH01-2	53.45	55.5	ARMAND	2.05	R
PRH01-2	55.5	55.75	ARMAND	0.25	CR
PRH01-2	55.75	64.15	ARMAND	8.4	R
PRH01-2	64.15	64.55	C	0.4	DC
PRH01-2	64.55	64.75	C	0.2	R
PRH01-2	64.75	65.05	C	0.3	DC
PRH01-2	65.05	74.7		9.65	R
PRH01-2	74.7	97.35	FSS	22.65	R
PRH01-2	97.35	97.65	D	0.3	DC
PRH01-2	97.65	100.35		2.7	R
PRH01-2	100.35	100.5		0.15	CBSH
PRH01-2	100.5	102.25		1.75	R
PRH01-2	102.25	102.6	E0	0.35	DC
PRH01-2	102.6	109.25		6.65	R
PRH01-2	109.25	109.55	E1	0.3	CBSH
PRH01-2	109.55	116.7		7.15	R
PRH01-2	116.7	116.85		0.15	CBSH
PRH01-2	116.85	117.05	E2U	0.2	DC
PRH01-2	117.05	117.23	E2LP	0.18	CR
PRH01-2	117.23	117.77	E2L	0.54	C
PRH01-2	117.77	119.3	E3P	1.53	R
PRH01-2	119.3	119.81	E3U	0.51	C
PRH01-2	119.81	119.95		0.14	R
PRH01-2	119.95	120.16	E3L	0.21	DC
PRH01-2	120.16	120.5	E3L	0.34	C
PRH01-2	120.5	121.07		0.57	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH01-2	121.07	121.5	E4	0.43	CR
PRH01-2	121.5	121.77		0.27	CBSH
PRH01-2	121.77	127		5.23	R
PRH01-2	127	127.44	F1	0.44	C
PRH01-2	127.44	127.53	F1	0.09	DC
PRH01-2	127.53	127.87	F1	0.34	C
PRH01-2	127.87	127.92	F2	0.05	DC
PRH01-2	127.92	128.62	F2	0.7	C
PRH01-2	128.62	135.15	WV_CG	6.53	R
PRH01-2	135.15	144.6	WSS	9.45	R
PRH01-2	144.6	144.75		0.15	CBSH
PRH01-2	144.75	145.15		0.4	R
PRH01-2	145.15	145.45	G1	0.3	CBSH
PRH01-2	145.45	154.15		8.7	R
PRH01-2	154.15	154.95	G	0.8	C
PRH01-2	154.95	162.55	GJPT	7.6	R
PRH01-2	162.55	164.2	J1	1.65	C
PRH01-2	164.2	179.42	J2P	15.22	R
PRH01-2	179.42	179.62	J2P	0.2	CBSH
PRH01-2	179.62	179.8	J2P	0.18	R
PRH01-2	179.8	180.15	J2U	0.35	C
PRH01-2	180.15	180.35	J2U	0.2	DC
PRH01-2	180.35	181.65	J2U	1.3	C
PRH01-2	181.65	183.25	J2L	1.6	C
PRH01-2	183.25	185.7	J3P	2.45	R
PRH01-2	185.7	188	J3	2.3	C
PRH01-2	188	196.15	QUINTETTE	8.15	R
PRH01-4	0	4.15	DRIFT	4.15	DRIFT
PRH01-4	4.15	19.8	********	15.65	********
PRH01-4	19.8	20.2	E3U	0.4	C
PRH01-4	20.2	20.45	E3L	0.25	DC
PRH01-4	20.45	20.85	E3L	0.4	C
PRH01-4	20.85	23.05		2.2	R
PRH01-4	23.05	23.85	F1	0.8	C
PRH01-4	23.85	24.45	F2	0.6	C
PRH01-4	24.45	50.4	********	25.95	********
PRH01-4	50.4	51.15	G	0.75	C
PRH01-4	51.15	56.7	GJPT	5.55	R
PRH01-4	56.7	57.85	J1	1.15	C
PRH01-4	57.85	58.1	J1	0.25	CR

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH01-4	58.1	58.35	J1	0.25	DC
PRH01-4	58.35	92.5	J2P	34.15	R
PRH01-4	92.5	93.9	J2U	1.4	C
PRH01-4	93.9	95	J2L	1.1	C
PRH01-4	95	95.2	J3P	0.2	R
PRH01-4	95.2	95.4	J3P	0.2	CBSH
PRH01-4	95.4	97.85	J3P	2.45	R
PRH01-4	97.85	99.95	J3	2.1	C
PRH01-4	99.95	104.6	QUINTETTE	4.65	R
PRH01-5	0	14.7	DRIFT	14.7	DRIFT
PRH01-5	14.7	78.4	********	63.7	********
PRH01-5	78.4	78.8	E3U	0.4	C
PRH01-5	78.8	79.2		0.4	R
PRH01-5	79.2	79.5	E3L	0.3	C
PRH01-5	79.5	80.45		0.95	R
PRH01-5	80.45	80.65	E4	0.2	CR
PRH01-5	80.65	83.95		3.3	R
PRH01-5	83.95	84.25	F1	0.3	DC
PRH01-5	84.25	84.5	F1	0.25	CR
PRH01-5	84.5	84.72	F1	0.22	C
PRH01-5	84.72	84.88	F2P	0.16	CBSH
PRH01-5	84.88	85.2	F2	0.32	DC
PRH01-5	85.2	85.4	F2	0.2	C
PRH01-5	85.4	115.4	********	30	********
PRH01-5	115.4	116	G	0.6	C
PRH01-5	116	122.05	GJPT	6.05	R
PRH01-5	122.05	122.72	J1	0.67	DC
PRH01-5	122.72	123.22	J1	0.5	C
PRH01-5	123.22	150.45	J2P	27.23	R
PRH01-5	150.45	151.68	J2U	1.23	C
PRH01-5	151.68	151.8	J2L	0.12	DC
PRH01-5	151.8	153.05	J2L	1.25	C
PRH01-5	153.05	153.28	J2L	0.23	DC
PRH01-5	153.28	153.5	J2L	0.22	C
PRH01-5	153.5	155.78	J3P	2.28	R
PRH01-5	155.78	156.28	J3	0.5	C
PRH01-5	156.28	156.47	J3	0.19	DC
PRH01-5	156.47	156.62	J3	0.15	C
PRH01-5	156.62	156.9	J3	0.28	CR
PRH01-5	156.9	157.4	J3	0.5	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH01-5	157.4	157.62	J3	0.22	CBSH
PRH01-5	157.62	158	J3	0.38	C
PRH01-5	158	163.69	QUINTETTE	5.69	R
PRH01-6	0	1	DRIFT	1	DRIFT
PRH01-6	1	20.6	HULCROSS	19.6	R
PRH01-6	20.6	21	HULCROSS	0.4	ASH
PRH01-6	21	22.05	HULCROSS	1.05	R
PRH01-6	22.05	22.4	HULCROSS	0.35	ASH
PRH01-6	22.4	31.5	HULCROSS	9.1	R
PRH01-6	31.5	32.15	BASAL_HC	0.65	R
PRH01-6	32.15	35.6		3.45	R
PRH01-6	35.6	35.9	A1	0.3	C
PRH01-6	35.9	41.6		5.7	R
PRH01-6	41.6	41.9	A	0.3	C
PRH01-6	41.9	60		18.1	R
PRH01-6	60	60.4	B	0.4	C
PRH01-6	60.4	108.9		48.5	R
PRH01-6	108.9	109.2	C	0.3	C
PRH01-6	109.2	135.7		26.5	R
PRH01-6	135.7	137	FSS	1.3	R
PRH01-6	137	139	FT_MT_CG	2	R
PRH01-6	139	139.4		0.4	R
PRH01-6	139.4	139.45	E2U	0.05	DC
PRH01-6	139.45	139.85	E2L	0.4	C
PRH01-6	139.85	140	E2L	0.15	DC
PRH01-6	140	146.8	E3P	6.8	R
PRH01-6	146.8	147.1	E3U	0.3	DC
PRH01-6	147.1	147.35		0.25	R
PRH01-6	147.35	147.5	E3L	0.15	DC
PRH01-6	147.5	147.85	E3L	0.35	C
PRH01-6	147.85	149.15		1.3	R
PRH01-6	149.15	149.4	E4	0.25	CR
PRH01-6	149.4	154.65		5.25	R
PRH01-6	154.65	155	F1	0.35	C
PRH01-6	155	155.4	F2P	0.4	R
PRH01-6	155.4	155.85	F2	0.45	C
PRH01-6	155.85	163.5	WV_CG	7.65	R
PRH01-6	163.5	173.3	WSS	9.8	R
PRH01-6	173.3	173.5	G1	0.2	CR
PRH01-6	173.5	182.1		8.6	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH01-6	182.1	182.6	G	0.5	C
PRH01-6	182.6	188.15	GJPT	5.55	R
PRH01-6	188.15	189.3	J1	1.15	C
PRH01-6	189.3	192.9	J2P	3.6	R
PRH01-7	0	1.65	DRIFT	1.65	DRIFT
PRH01-7	1.65	4.95	HULCROSS	3.3	R
PRH01-7	4.95	5.25	HULCROSS	0.3	C
PRH01-7	5.25	15.75	HULCROSS	10.5	R
PRH01-7	15.75	16.15	BASAL_HC	0.4	R
PRH01-7	16.15	19.31		3.16	R
PRH01-7	19.31	19.58		0.27	CR
PRH01-7	19.58	20.4		0.82	R
PRH01-7	20.4	20.85		0.45	CBSH
PRH01-7	20.85	21.26		0.41	R
PRH01-7	21.26	21.95	A1	0.69	C
PRH01-7	21.95	29.15		7.2	R
PRH01-7	29.15	29.35	A	0.2	C
PRH01-7	29.35	29.53	A	0.18	CR
PRH01-7	29.53	29.78	A	0.25	C
PRH01-7	29.78	44.6		14.82	R
PRH01-7	44.6	44.85	B	0.25	DC
PRH01-7	44.85	45.64	B	0.79	C
PRH01-7	45.64	86.98		41.34	R
PRH01-7	86.98	87.2	C	0.22	DC
PRH01-7	87.2	87.45	C	0.25	C
PRH01-7	87.45	87.6	C	0.15	R
PRH01-7	87.6	87.92	C	0.32	C
PRH01-7	87.92	104.8		16.88	R
PRH01-7	104.8	107.35	FSS	2.55	R
PRH01-7	107.85	112.85	FT_MT_CG	5	R
PRH01-7	112.85	113.42		0.57	R
PRH01-7	113.42	113.76	D	0.34	C
PRH01-7	113.76	114.56		0.8	R
PRH01-7	114.56	114.71	E0	0.15	DC
PRH01-7	114.71	115.02	E0	0.31	C
PRH01-7	115.02	115.11	E0	0.09	DC
PRH01-7	115.11	120.8		5.69	R
PRH01-7	120.8	121	E1	0.2	CBSH
PRH01-7	121	125.52		4.52	R
PRH01-7	125.52	125.58	E2U	0.06	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH01-7	125.58	126.02	E2L	0.44	C
PRH01-7	126.02	126.16	E2L	0.14	DC
PRH01-7	126.16	133.92	E3P	7.76	R
PRH01-7	133.92	134.26	E3U	0.34	C
PRH01-7	134.26	134.44		0.18	R
PRH01-7	134.44	134.62	E3L	0.18	DC
PRH01-7	134.62	134.9	E3L	0.28	C
PRH01-7	134.9	135.75		0.85	R
PRH01-7	135.75	135.86	E4	0.11	CR
PRH01-7	135.86	136.05	E4	0.19	DC
PRH01-7	136.05	136.18	E4	0.13	CR
PRH01-7	136.18	136.32	E4	0.14	DC
PRH01-7	136.32	142.05		5.73	R
PRH01-7	142.05	142.84	F1	0.79	C
PRH01-7	142.84	143.08	F2P	0.24	R
PRH01-7	143.08	143.84	F2	0.76	C
PRH01-7	143.84	153.7	WV_CG	9.86	R
PRH01-7	153.7	161.8	WSS	8.1	R
PRH01-7	161.8	162.15	G1	0.35	CBSH
PRH01-7	162.15	164.32		2.17	R
PRH01-7	164.32	164.6		0.28	CBSH
PRH01-7	164.6	165.86		1.26	R
PRH01-7	165.86	166.08		0.22	CBSH
PRH01-7	166.08	173.05		6.97	R
PRH01-7	173.05	173.95	G	0.9	C
PRH01-7	173.95	180.95	GJPT	7	R
PRH01-7	180.95	182.45	J1	1.5	C
PRH01-7	182.45	182.95	J2P	0.5	R
PRH01-7	182.95	183.44	J2U	0.49	C
PRH01-7	183.44	183.67	J2U	0.23	DC
PRH01-7	183.67	184.16	J2U	0.49	C
PRH01-7	184.16	184.22	J2U	0.06	DC
PRH01-7	184.22	185.4	J2U	1.18	C
PRH01-7	185.4	185.63	J2LP	0.23	CR
PRH01-7	185.63	187	J2L	1.37	C
PRH01-7	187	189.8	J3P	2.8	R
PRH01-7	189.8	192.35	J3	2.55	C
PRH01-7	192.35	193.3		0.95	R
PRH01-7	193.3	209.09	QUINTETTE	15.79	R
PRH01-8	0	2.75	DRIFT	2.75	DRIFT

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH01-8	2.75	6.2	HULCROSS	3.45	R
PRH01-8	6.2	6.6	BASAL_HC	0.4	R
PRH01-8	6.6	10.25		3.65	R
PRH01-8	10.25	10.55		0.3	CR
PRH01-8	10.55	10.7		0.15	R
PRH01-8	10.7	11.22	A1	0.52	DC
PRH01-8	11.22	11.6	A1	0.38	C
PRH01-8	11.6	17.55		5.95	R
PRH01-8	17.55	17.77	A	0.22	C
PRH01-8	17.77	17.9	A	0.13	DC
PRH01-8	17.9	18.05	A	0.15	C
PRH01-8	18.05	34.2		16.15	R
PRH01-8	34.2	34.42	B	0.22	DC
PRH01-8	34.42	35.1	B	0.68	C
PRH01-8	35.1	35.2		0.1	CR
PRH01-8	35.2	73.3		38.1	R
PRH01-8	73.3	73.53	C	0.23	C
PRH01-8	73.53	73.76	C	0.23	CR
PRH01-8	73.76	73.88	C	0.12	C
PRH01-8	73.88	76.4		2.52	R
PRH01-8	76.4	76.55		0.15	CR
PRH01-8	76.55	83.5		6.95	R
PRH01-8	83.5	83.7		0.2	CR
PRH01-8	83.7	88.6		4.9	R
PRH01-8	88.6	102.85	FSS	14.25	R
PRH01-8	102.85	103.08	D	0.23	CBSH
PRH01-8	103.08	103.82		0.74	R
PRH01-8	103.82	104.08	E0	0.26	C
PRH01-8	104.08	109.85		5.77	R
PRH01-8	109.85	110.05	E1	0.2	CBSH
PRH01-8	110.05	113.95		3.9	R
PRH01-8	113.95	114.1	E2U	0.15	CBSH
PRH01-8	114.1	114.4	E2LP	0.3	R
PRH01-8	114.4	114.65	E2L	0.25	C
PRH01-8	114.65	123	E3P	8.35	R
PRH01-8	123	123.32	E3U	0.32	C
PRH01-8	123.32	123.5		0.18	R
PRH01-8	123.5	123.95	E3L	0.45	C
PRH01-8	123.95	124.35		0.4	R
PRH01-8	124.35	124.48		0.13	CR

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH01-8	124.48	124.68	E4	0.2	DC
PRH01-8	124.68	125.02		0.34	CBSH
PRH01-8	125.02	129		3.98	R
PRH01-8	129	129.37	F1	0.37	C
PRH01-8	129.37	129.58	F1	0.21	DC
PRH01-8	129.58	129.75	F1	0.17	C
PRH01-8	129.75	129.92	F2P	0.17	CR
PRH01-8	129.92	130.5	F2	0.58	C
PRH01-8	130.5	137.5	WV_CG	7	R
PRH01-8	137.5	147.67	WSS	10.17	R
PRH01-8	147.67	148.25		0.58	R
PRH01-8	148.25	148.45	G1	0.2	CBSH
PRH01-8	148.45	154.95		6.5	R
PRH01-8	154.95	155.5	G	0.55	C
PRH01-8	155.5	162	GJPT	6.5	R
PRH01-8	162	163.68	J1	1.68	C
PRH01-8	163.68	186.4	J2P	22.72	R
PRH01-8	186.4	186.55	J2U	0.15	C
PRH01-8	186.55	186.75	J2U	0.2	DC
PRH01-8	186.75	186.88	J2U	0.13	CR
PRH01-8	186.88	188.35	J2U	1.47	C
PRH01-8	188.35	189.78	J2L	1.43	C
PRH01-8	189.78	192.84	J3P	3.06	R
PRH01-8	192.84	195.12	J3	2.28	C
PRH01-8	195.12	196.25		1.13	R
PRH01-8	196.25	200.44	QUINTETTE	4.19	R
PRH01-9	0	2.7	DRIFT	2.7	DRIFT
PRH01-9	2.7	13.8		11.1	R
PRH01-9	13.8	18.75	FSS	4.95	R
PRH01-9	18.75	35.95	FT_MT_CG	17.2	R
PRH01-9	35.95	36.05		0.1	R
PRH01-9	36.05	36.35	D	0.3	CBSH
PRH01-9	36.35	39.95		3.6	R
PRH01-9	39.95	40.1		0.15	CR
PRH01-9	40.1	43.6		3.5	R
PRH01-9	43.6	43.67		0.07	CBSH
PRH01-9	43.67	43.8	E0	0.13	DC
PRH01-9	43.8	43.94	E0	0.14	CR
PRH01-9	43.94	44.2	E0	0.26	DC
PRH01-9	44.2	45.2		1	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH01-9	45.2	45.38	E1	0.18	DC
PRH01-9	45.38	45.49	E1	0.11	CR
PRH01-9	45.49	45.65	E1	0.16	DC
PRH01-9	45.65	45.86		0.21	R
PRH01-9	45.86	46.06		0.2	CR
PRH01-9	46.06	46.29	E2U	0.23	DC
PRH01-9	46.29	46.41	E2U	0.12	C
PRH01-9	46.41	46.48	E2U	0.07	DC
PRH01-9	46.48	46.52	E2L	0.04	DC
PRH01-9	46.52	47.15	E2L	0.63	C
PRH01-9	47.15	47.65		0.5	R
PRH01-9	47.65	47.74	E3U	0.09	DC
PRH01-9	47.74	48.3	E3U	0.56	C
PRH01-9	48.3	48.4	E3U	0.1	DC
PRH01-9	48.4	48.9		0.5	R
PRH01-9	48.9	49.12	E3L	0.22	C
PRH01-9	49.12	49.47	E3L	0.35	CR
PRH01-9	49.47	49.65	E3L	0.18	C
PRH01-9	49.65	50.35		0.7	R
PRH01-9	50.35	50.62		0.27	CR
PRH01-9	50.62	50.78	E4	0.16	DC
PRH01-9	50.78	50.96		0.18	R
PRH01-9	50.96	51.1		0.14	CR
PRH01-9	51.1	57.09		5.99	R
PRH01-9	57.09	57.92	F1	0.83	C
PRH01-9	57.92	60.12	F2P	2.2	CR
PRH01-9	60.12	60.57	F2	0.45	C
PRH01-9	60.57	69.1	WV_CG	8.53	R
PRH01-9	69.1	76.1	WSS	7	R
PRH01-9	76.1	76.4		0.3	CBSH
PRH01-9	76.4	76.9		0.5	R
PRH01-9	76.9	77.12	G1	0.22	DC
PRH01-9	77.12	78.85		1.73	R
PRH01-9	78.85	79.05		0.2	CBSH
PRH01-9	79.05	86.9		7.85	R
PRH01-9	86.9	87.76	G	0.86	C
PRH01-9	87.76	101.05	GJPT	13.29	R
PRH01-9	101.05	102.4	J1	1.35	C
PRH01-9	102.4	102.73	J2U	0.33	DC
PRH01-9	102.73	104.45	J2U	1.72	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH01-9	104.45	104.6	J2L	0.15	DC
PRH01-9	104.6	105.95	J2L	1.35	C
PRH01-9	105.95	107.33	J3P	1.38	R
PRH01-9	107.33	107.6	J3	0.27	DC
PRH01-9	107.6	109.85	J3	2.25	C
PRH01-9	109.85	130.19	QUINTETTE	20.34	R
PRH01-10	0	1.7	DRIFT	1.7	DRIFT
PRH01-10	1.7	11.95		10.25	R
PRH01-10	11.95	35.8	FSS	23.85	R
PRH01-10	35.8	41.15	FT_MT_CG	5.35	R
PRH01-10	41.15	43.1		1.95	R
PRH01-10	43.1	43.45	E0	0.35	DC
PRH01-10	43.45	43.95		0.5	R
PRH01-10	43.95	44.25	E1	0.3	DC
PRH01-10	44.25	54.6		10.35	R
PRH01-10	54.6	54.65	E2U	0.05	DC
PRH01-10	54.65	55	E2U	0.35	C
PRH01-10	55	55.07	E2LP	0.07	CR
PRH01-10	55.07	55.76	E2L	0.69	C
PRH01-10	55.76	56.75	E3P	0.99	R
PRH01-10	56.75	57.17	E3U	0.42	C
PRH01-10	57.17	57.9		0.73	R
PRH01-10	57.9	58		0.1	CR
PRH01-10	58	58.08	E3L	0.08	DC
PRH01-10	58.08	58.3		0.22	CR
PRH01-10	58.3	59.8		1.5	R
PRH01-10	59.8	60.35	E4	0.55	CBSH
PRH01-10	60.35	60.8		0.45	R
PRH01-10	60.8	64.2		3.4	CBSH
PRH01-10	64.2	69.1		4.9	R
PRH01-10	69.1	69.4	F1	0.3	C
PRH01-10	69.4	69.6	F1	0.2	DC
PRH01-10	69.6	70.23	F1	0.63	C
PRH01-10	70.23	70.63	F2	0.4	C
PRH01-10	70.63	79.5	WV_CG	8.87	R
PRH01-10	79.5	83.4	WSS	3.9	R
PRH01-10	83.4	83.92		0.52	R
PRH01-10	83.92	84.2	G1	0.28	C
PRH01-10	84.2	84.4	G1	0.2	CR
PRH01-10	84.4	84.55	G1	0.15	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH01-10	84.55	86.2		1.65	R
PRH01-10	86.2	86.45		0.25	CBSH
PRH01-10	86.45	88.1		1.65	R
PRH01-10	88.1	88.35		0.25	CR
PRH01-10	88.35	97.1		8.75	R
PRH01-10	97.1	98.1	G	1	C
PRH01-10	98.1	106.15	GJPT	8.05	R
PRH01-10	106.15	107.5	J1	1.35	C
PRH01-10	107.5	107.7	J2P	0.2	CR
PRH01-10	107.7	109.85	J2U	2.15	C
PRH01-10	109.85	111.35	J2L	1.5	C
PRH01-10	111.35	111.55	J3P	0.2	R
PRH01-10	111.55	111.75	J3P	0.2	CBSH
PRH01-10	111.75	112.7	J3P	0.95	R
PRH01-10	112.7	115	J3	2.3	C
PRH01-10	115	124	QUINTETTE	9	R
PRH01-11	0	2.35	DRIFT	2.35	DRIFT
PRH01-11	2.35	4.05		1.7	R
PRH01-11	4.05	19	FSS	14.95	R
PRH01-11	19	29.4		10.4	R
PRH01-11	29.4	29.6	E0	0.2	C
PRH01-11	29.6	29.9		0.3	CBSH
PRH01-11	29.9	30.1		0.2	CR
PRH01-11	30.1	30.55		0.45	CBSH
PRH01-11	30.55	30.75		0.2	CR
PRH01-11	30.75	31.05		0.3	CBSH
PRH01-11	31.05	31.85		0.8	R
PRH01-11	31.85	32.15		0.3	CBSH
PRH01-11	32.15	33.05		0.9	R
PRH01-11	33.05	33.35	E1	0.3	C
PRH01-11	33.35	33.5		0.15	CR
PRH01-11	33.5	34.4		0.9	R
PRH01-11	34.4	34.8	E2U	0.4	C
PRH01-11	34.8	35	E2LP	0.2	R
PRH01-11	35	35.15	E2LP	0.15	CR
PRH01-11	35.15	35.25	E2L	0.1	DC
PRH01-11	35.25	35.35	E2L	0.1	C
PRH01-11	35.35	35.5	E2L	0.15	DC
PRH01-11	35.5	36.2	E2L	0.7	C
PRH01-11	36.2	37.15	E3P	0.95	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH01-11	37.15	37.55	E3U	0.4	C
PRH01-11	37.55	37.85		0.3	R
PRH01-11	37.85	38.05		0.2	CR
PRH01-11	38.05	38.35	E3L	0.3	C
PRH01-11	38.35	39.1		0.75	R
PRH01-11	39.1	39.55	E4	0.45	CR
PRH01-11	39.55	39.9		0.35	CBSH
PRH01-11	39.9	45		5.1	R
PRH01-11	45	45.75	F1	0.75	C
PRH01-11	45.75	46	F2P	0.25	CBSH
PRH01-11	46	46.4	F2	0.4	C
PRH01-11	46.4	57.25	WV_CG	10.85	R
PRH01-11	57.25	57.6		0.35	R
PRH01-11	57.6	63.95	WSS	6.35	R
PRH01-11	63.95	64.35		0.4	CBSH
PRH01-11	64.35	64.8		0.45	R
PRH01-11	64.8	65.05	G1	0.25	DC
PRH01-11	65.05	66.35		1.3	R
PRH01-11	66.35	66.6		0.25	CBSH
PRH01-11	66.6	74.7		8.1	R
PRH01-11	74.7	75.6	G	0.9	C
PRH01-11	75.6	89.4	GJPT	13.8	R
PRH01-11	89.4	90.5	J1	1.1	C
PRH01-11	90.5	90.75	J2P	0.25	R
PRH01-11	90.75	93.4	J2U	2.65	C
PRH01-11	93.4	94.6	J2L	1.2	C
PRH01-11	94.6	94.8	J2L	0.2	DC
PRH01-11	94.8	96.35	J3P	1.55	R
PRH01-11	96.35	98.61	J3	2.26	C
PRH01-11	98.61	99.2		0.59	R
PRH01-11	99.2	104.59	QUINTETTE	5.39	R
PRH01-12	0	2.2	DRIFT	2.2	DRIFT
PRH01-12	2.2	10.95		8.75	R
PRH01-12	10.95	30.95	FSS	20	R
PRH01-12	30.95	31.22	D	0.27	CR
PRH01-12	31.22	32.6		1.38	R
PRH01-12	32.6	32.78		0.18	CBSH
PRH01-12	32.78	36.32		3.54	R
PRH01-12	36.32	36.77	E0	0.45	DC
PRH01-12	36.77	47.85		11.08	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH01-12	47.85	48.1	E1	0.25	CR
PRH01-12	48.1	48.3		0.2	R
PRH01-12	48.3	48.55	E2U	0.25	DC
PRH01-12	48.55	48.65	E2LP	0.1	CR
PRH01-12	48.65	49.3	E2L	0.65	C
PRH01-12	49.3	50.5	E3P	1.2	R
PRH01-12	50.5	50.85	E3U	0.35	C
PRH01-12	50.85	51.05		0.2	R
PRH01-12	51.05	51.35	E3L	0.3	DC
PRH01-12	51.35	51.6	E3L	0.25	C
PRH01-12	51.6	52.13		0.53	R
PRH01-12	52.13	52.47	E4	0.34	CBSH
PRH01-12	52.47	59		6.53	R
PRH01-12	59	59.35	F1	0.35	C
PRH01-12	59.35	59.55	F1	0.2	DC
PRH01-12	59.55	59.7	F1	0.15	C
PRH01-12	59.7	60	F2P	0.3	R
PRH01-12	60	60.7	F2	0.7	C
PRH01-12	60.7	71.6	WV_CG	10.9	R
PRH01-12	71.6	78.65	WSS	7.05	R
PRH01-12	78.65	79.75		1.1	R
PRH01-12	79.75	80	G1	0.25	CBSH
PRH01-12	80	81.55		1.55	R
PRH01-12	81.55	81.85		0.3	CBSH
PRH01-12	81.85	89.22		7.37	R
PRH01-12	89.22	90.15	G	0.93	C
PRH01-12	90.15	103.95	GJPT	13.8	R
PRH01-12	103.95	104.25	GJPT	0.3	CBSH
PRH01-12	104.25	105.45	J1	1.2	C
PRH01-12	105.45	106	J2P	0.55	R
PRH01-12	106	108.32	J2U	2.32	C
PRH01-12	108.32	108.4	J2L	0.08	DC
PRH01-12	108.4	109.8	J2L	1.4	C
PRH01-12	109.8	111.55	J3P	1.75	R
PRH01-12	111.55	113.82	J3	2.27	C
PRH01-12	113.82	116.99	QUINTETTE	3.17	R
PRH01-13	0	2.5	DRIFT	2.5	DRIFT
PRH01-13	2.5	31.65		29.15	R
PRH01-13	31.65	31.85	C	0.2	DC
PRH01-13	31.85	31.95	C	0.1	CR

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH01-13	31.95	32.2	C	0.25	C
PRH01-13	32.2	51.65		19.45	R
PRH01-13	51.65	61.12	FSS	9.47	R
PRH01-13	61.12	81.55	FT_MT_CG	20.43	R
PRH01-13	81.55	82.85		1.3	R
PRH01-13	82.85	83.1	E1	0.25	DC
PRH01-13	83.1	83.95		0.85	R
PRH01-13	83.95	84.1		0.15	CR
PRH01-13	84.1	84.85		0.75	R
PRH01-13	84.85	85.07	E2U	0.22	DC
PRH01-13	85.07	85.62	E2L	0.55	C
PRH01-13	85.62	85.71	E2L	0.09	DC
PRH01-13	85.71	88.24	E3P	2.53	R
PRH01-13	88.24	88.61	E3U	0.37	C
PRH01-13	88.61	88.96		0.35	R
PRH01-13	88.96	89.18	E3L	0.22	DC
PRH01-13	89.18	89.3	E3L	0.12	CR
PRH01-13	89.3	89.56	E3L	0.26	C
PRH01-13	89.56	90.65		1.09	R
PRH01-13	90.65	91	E4	0.35	CR
PRH01-13	91	91.3		0.3	R
PRH01-13	91.3	91.55		0.25	CBSH
PRH01-13	91.55	98.78		7.23	R
PRH01-13	98.78	99.22	F1	0.44	C
PRH01-13	99.22	99.35	F1	0.13	DC
PRH01-13	99.35	99.69	F1	0.34	C
PRH01-13	99.69	99.88	F2P	0.19	CR
PRH01-13	99.88	100.42	F2	0.54	C
PRH01-13	100.42	110.3	WV_CG	9.88	R
PRH01-13	110.3	118.55	WSS	8.25	R
PRH01-13	118.55	118.8	G1	0.25	DC
PRH01-13	118.8	119.8		1	R
PRH01-13	119.8	120.05		0.25	CR
PRH01-13	120.05	130.6		10.55	R
PRH01-13	130.6	131.7	G	1.1	C
PRH01-13	131.7	140.13	GJPT	8.43	R
PRH01-13	140.13	141.45	J1	1.32	C
PRH01-13	141.45	141.67	J2P	0.22	CR
PRH01-13	141.67	142.1	J2U	0.43	C
PRH01-13	142.1	142.32	J2U	0.22	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH01-13	142.32	143.9	J2U	1.58	C
PRH01-13	143.9	145.38	J2L	1.48	C
PRH01-13	145.38	147.2	J3P	1.82	R
PRH01-13	147.2	149.5	J3	2.3	C
PRH01-13	149.5	159.39	QUINTETTE	9.89	R
PRH01-14	0	2.6	DRIFT	2.6	DRIFT
PRH01-14	2.6	100.95	********	98.35	********
PRH01-14	100.95	101.3	E3U	0.35	C
PRH01-14	101.3	101.55		0.25	R
PRH01-14	101.55	102	E3L	0.45	C
PRH01-14	102	102.65		0.65	R
PRH01-14	102.65	103	E4	0.35	C
PRH01-14	103	103.23	E4	0.23	DC
PRH01-14	103.23	105.4		2.17	R
PRH01-14	105.4	106.1	F1	0.7	C
PRH01-14	106.1	106.3	F2P	0.2	CR
PRH01-14	106.3	106.85	F2	0.55	C
PRH01-14	106.85	130.85	********	24	********
PRH01-14	130.85	131.3	G	0.45	C
PRH01-14	131.3	137.75	GJPT	6.45	R
PRH01-14	137.75	138.95	J1	1.2	C
PRH01-14	138.95	139.1	J2P	0.15	CBSH
PRH01-14	139.1	139.45	J2P	0.35	CR
PRH01-14	139.45	140.3	J2P	0.85	R
PRH01-14	140.3	140.6	J2P	0.3	CBSH
PRH01-14	140.6	171.9	J2P	31.3	R
PRH01-14	171.9	173.3	J2U	1.4	C
PRH01-14	173.3	173.45	J2L	0.15	DC
PRH01-14	173.45	174.15	J2L	0.7	C
PRH01-14	174.15	174.5	J3P	0.35	R
PRH01-14	174.5	174.7	J3P	0.2	CBSH
PRH01-14	174.7	177.55	J3P	2.85	R
PRH01-14	177.55	178.2	J3	0.65	C
PRH01-14	178.2	178.4	J3	0.2	DC
PRH01-14	178.4	179.75	J3	1.35	C
PRH01-14	179.75	180.2		0.45	R
PRH01-14	180.2	180.4		0.2	CBSH
PRH01-14	180.4	181.22		0.82	R
PRH01-14	181.22	190	QUINTETTE	8.78	R
PRH01-15	0	9	DRIFT	9	DRIFT

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH01-15	9	9.45		0.45	R
PRH01-15	9.45	9.8	A	0.35	C
PRH01-15	9.8	25.7		15.9	R
PRH01-15	25.7	26.76	B	1.06	C
PRH01-15	26.76	66.26		39.5	R
PRH01-15	66.26	66.48	C	0.22	C
PRH01-15	66.48	66.56	C	0.08	DC
PRH01-15	66.56	66.8	C	0.24	C
PRH01-15	66.8	85.2		18.4	R
PRH01-15	85.2	90.45	FSS	5.25	R
PRH01-15	90.45	101.6	FT_MT_CG	11.15	R
PRH01-15	101.6	102.45		0.85	R
PRH01-15	102.45	102.6	D	0.15	CBSH
PRH01-15	102.6	111.2		8.6	R
PRH01-15	111.2	111.4	E0	0.2	C
PRH01-15	111.4	112.35		0.95	R
PRH01-15	112.35	112.65	E1	0.3	C
PRH01-15	112.65	113.5		0.85	R
PRH01-15	113.5	113.7	E2U	0.2	DC
PRH01-15	113.7	113.95	E2LP	0.25	CR
PRH01-15	113.95	114.5	E2L	0.55	C
PRH01-15	114.5	117.15	E3P	2.65	R
PRH01-15	117.15	117.55	E3U	0.4	C
PRH01-15	117.55	117.8		0.25	R
PRH01-15	117.8	118.1	E3L	0.3	DC
PRH01-15	118.1	118.38	E3L	0.28	CR
PRH01-15	118.38	118.55	E3L	0.17	DC
PRH01-15	118.55	119.28		0.73	R
PRH01-15	119.28	119.85	E4	0.57	CR
PRH01-15	119.85	120.05	E4	0.2	R
PRH01-15	120.05	120.28	E4	0.23	CR
PRH01-15	120.28	127.62		7.34	R
PRH01-15	127.62	128.1	F1	0.48	C
PRH01-15	128.1	128.27	F1	0.17	DC
PRH01-15	128.27	128.85	F1	0.58	C
PRH01-15	128.85	129.22	F2	0.37	C
PRH01-15	129.22	135.3	WV_CG	6.08	R
PRH01-15	135.3	142.95	WSS	7.65	R
PRH01-15	142.95	143.65		0.7	R
PRH01-15	143.65	143.9	G1	0.25	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH01-15	143.9	149.05		5.15	R
PRH01-15	149.05	149.3		0.25	CBSH
PRH01-15	149.3	149.95		0.65	R
PRH01-15	149.95	150.2		0.25	CBSH
PRH01-15	150.2	158.87		8.67	R
PRH01-15	158.87	160	G	1.13	C
PRH01-15	160	167.38	GJPT	7.38	R
PRH01-15	167.38	168.78	J1	1.4	C
PRH01-15	168.78	168.9	J2U	0.12	DC
PRH01-15	168.9	169.38	J2U	0.48	C
PRH01-15	169.38	169.46	J2U	0.08	DC
PRH01-15	169.46	171.1	J2U	1.64	C
PRH01-15	171.1	171.3	J2LP	0.2	CR
PRH01-15	171.3	172.5	J2L	1.2	C
PRH01-15	172.5	174.28	J3P	1.78	R
PRH01-15	174.28	176.6	J3	2.32	C
PRH01-15	176.6	190	QUINTETTE	13.4	R
PRH01-16C	0	3	DRIFT	3	DRIFT
PRH01-16C	3	14.9		11.9	R
PRH01-16C	14.9	15.25		0.35	CR
PRH01-16C	15.25	17.95		2.7	R
PRH01-16C	17.95	18.65	A	0.7	CR
PRH01-16C	18.65	26		7.35	R
PRH01-16C	26	26.3		0.3	DC
PRH01-16C	26.3	30.57		4.27	R
PRH01-16C	30.57	30.79		0.22	DC
PRH01-16C	30.79	34.15		3.36	R
PRH01-16C	34.15	34.84	B	0.69	C
PRH01-16C	34.84	35.5	B	0.66	DC
PRH01-16C	35.5	35.88	B	0.38	C
PRH01-16C	35.88	73.1		37.22	R
PRH01-16C	73.1	73.48	C	0.38	DC
PRH01-16C	73.48	73.56		0.08	CR
PRH01-16C	73.56	81		7.44	R
PRH01-16C	81	95.35	FSS	14.35	R
PRH01-16C	95.35	102.65	FT_MT_CG	7.3	R
PRH01-16C	102.65	102.85		0.2	R
PRH01-16C	102.85	102.9	D	0.05	CBSH
PRH01-16C	102.9	106.2		3.3	R
PRH01-16C	106.2	106.35	E0	0.15	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH01-16C	106.35	106.94		0.59	R
PRH01-16C	106.94	107.3	E1	0.36	DC
PRH01-16C	107.3	116.35		9.05	R
PRH01-16C	116.35	116.65	E2U	0.3	CBSH
PRH01-16C	116.65	117.15	E2LP	0.5	R
PRH01-16C	117.15	117.4	E2L	0.25	DC
PRH01-16C	117.4	124.75	E3P	7.35	R
PRH01-16C	124.75	125.11	E3U	0.36	C
PRH01-16C	125.11	125.3		0.19	CR
PRH01-16C	125.3	125.75	E3L	0.45	C
PRH01-16C	125.75	126.25		0.5	R
PRH01-16C	126.25	126.7	E4	0.45	DC
PRH01-16C	126.7	126.94		0.24	CR
PRH01-16C	126.94	129.52		2.58	R
PRH01-16C	129.52	130.28	F1	0.76	C
PRH01-16C	130.28	130.5	F2P	0.22	CR
PRH01-16C	130.5	131	F2	0.5	C
PRH01-16C	131	138.8	WV_CG	7.8	R
PRH01-16C	138.8	148.3	WSS	9.5	R
PRH01-16C	148.3	148.4		0.1	R
PRH01-16C	148.4	148.6	G1	0.2	CBSH
PRH01-16C	148.6	155.78		7.18	R
PRH01-16C	155.78	155.84		0.06	CR
PRH01-16C	155.84	156.4	G	0.56	C
PRH01-16C	156.4	161.25	GJPT	4.85	R
PRH01-16C	161.25	161.38	GJPT	0.13	CR
PRH01-16C	161.38	162.56	J1	1.18	C
PRH01-16C	162.56	162.95	J2P	0.39	R
PRH01-16C	162.95	163.25	J2P	0.3	CR
PRH01-16C	163.25	177.65	J2P	14.4	R
PRH01-16C	177.65	177.95	J2P	0.3	CR
PRH01-16C	177.95	199.55	J2P	21.6	R
PRH01-16C	199.55	201.06	J2U	1.51	C
PRH01-16C	201.06	201.26	J2LP	0.2	CR
PRH01-16C	201.26	202.2	J2L	0.94	C
PRH01-16C	202.2	205.95	J3P	3.75	R
PRH01-16C	205.95	208.35	J3	2.4	C
PRH01-16C	208.35	208.99	QUINTETTE	0.64	R
PRH02-10C	0	3	DRIFT	3	DRIFT
PRH02-10C	3	4.6	GJPT	1.6	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH02-10C	4.6	5.5	J1	0.9	C
PRH02-10C	5.5	47.9	J2P	42.4	R
PRH02-10C	47.9	49.2	J2U	1.3	C
PRH02-10C	49.2	49.6	J2L	0.4	DC
PRH02-10C	49.6	50.45	J2L	0.85	C
PRH02-10C	50.45	55.85	J2LP	5.4	R
PRH02-10C	55.85	56.9	J3	1.05	C
PRH02-10C	56.9	57.15	J3	0.25	CR
PRH02-10C	57.15	58.1	J3	0.95	C
PRH02-10C	58.1	62.75	QUINTETTE	4.65	R
PRH02-11	0	1.8	DRIFT	1.8	DRIFT
PRH02-11	1.8	2.65	BASAL_HC	0.85	R
PRH02-11	2.65	17.15		14.5	R
PRH02-11	17.15	17.4	A1	0.25	DC
PRH02-11	17.4	18	A1	0.6	C
PRH02-11	18	18.85		0.85	R
PRH02-11	18.85	19.05		0.2	CBSH
PRH02-11	19.05	25.5		6.45	R
PRH02-11	25.5	25.8	A	0.3	C
PRH02-11	25.8	30.8		5	R
PRH02-11	30.8	31		0.2	CBSH
PRH02-11	31	31.1		0.1	ASH
PRH02-11	31.1	32.05		0.95	R
PRH02-11	32.05	32.3		0.25	CR
PRH02-11	32.3	43.05		10.75	R
PRH02-11	43.05	44.3	B	1.25	C
PRH02-11	44.3	44.4	B	0.1	DC
PRH02-11	44.4	48.1		3.7	R
PRH02-11	48.1	88	ARMAND	39.9	R
PRH02-11	88	88.2		0.2	R
PRH02-11	88.2	88.35		0.15	CBSH
PRH02-11	88.35	88.72	C	0.37	CR
PRH02-11	88.72	101.55		12.83	R
PRH02-11	101.55	115.17	FSS	13.62	R
PRH02-11	115.17	118.25	FT_MT_CG	3.08	R
PRH02-12	0	3.1	DRIFT	3.1	DRIFT
PRH02-12	3.1	13.2		10.1	R
PRH02-12	13.2	13.4		0.2	ASH
PRH02-12	13.4	15.7		2.3	R
PRH02-12	15.7	16.1	B	0.4	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH02-12	16.1	43.5	ARMAND	27.4	R
PRH02-12	43.5	43.75	ARMAND	0.25	CR
PRH02-12	43.75	53.35	ARMAND	9.6	R
PRH02-12	53.35	53.7		0.35	R
PRH02-12	53.7	54.15	C	0.45	C
PRH02-12	54.15	55.8		1.65	R
PRH02-12	55.8	56		0.2	CR
PRH02-12	56	56.8		0.8	R
PRH02-12	56.8	57.2		0.4	CBSH
PRH02-12	57.2	59.4		2.2	R
PRH02-12	59.4	59.6		0.2	CR
PRH02-12	59.6	72.95		13.35	R
PRH02-12	72.95	75.4	FSS	2.45	R
PRH02-12	75.4	75.65	FSS	0.25	CR
PRH02-12	75.65	77.05	FSS	1.4	R
PRH02-12	77.05	78.6		1.55	R
PRH02-12	78.6	90.15	FT_MT_CG	11.55	R
PRH02-12	90.15	92.35		2.2	R
PRH02-12	92.35	92.8	E0	0.45	C
PRH02-12	92.8	92.95		0.15	R
PRH02-12	92.95	93.1		0.15	CR
PRH02-12	93.1	94.25		1.15	R
PRH02-12	94.25	94.5	E1	0.25	C
PRH02-12	94.5	95.2		0.7	R
PRH02-12	95.2	95.35	E2U	0.15	DC
PRH02-12	95.35	95.55	E2LP	0.2	CR
PRH02-12	95.55	96.05	E2L	0.5	C
PRH02-12	96.05	97.29	E3P	1.24	R
PRH02-13	0	2.6	DRIFT	2.6	DRIFT
PRH02-13	2.6	4.2	FSS	1.6	R
PRH02-13	4.2	17.9	FT_MT_CG	13.7	R
PRH02-13	17.9	26.75		8.85	R
PRH02-13	26.75	27	E0	0.25	C
PRH02-13	27	27.25		0.25	R
PRH02-13	27.25	27.5		0.25	CR
PRH02-13	27.5	29.5		2	R
PRH02-13	29.5	29.75	E1	0.25	CR
PRH02-13	29.75	30		0.25	CBSH
PRH02-13	30	30.75		0.75	R
PRH02-13	30.75	31		0.25	CR

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH02-13	31	31.25	E2U	0.25	DC
PRH02-13	31.25	31.75	E2L	0.5	C
PRH02-13	31.75	34.75	E3P	3	R
PRH02-13	34.75	34.95	E3U	0.2	DC
PRH02-13	34.95	35.3	E3U	0.35	C
PRH02-13	35.3	35.5	E3L	0.2	CR
PRH02-13	35.5	41.4		5.9	R
PRH02-13	41.4	41.6	E4	0.2	CR
PRH02-13	41.6	52.2		10.6	R
PRH02-13	52.2	52.6	F1	0.4	DC
PRH02-13	52.6	52.8	F1	0.2	CBSH
PRH02-13	52.8	53.1	F1	0.3	DC
PRH02-13	53.1	53.8	F2P	0.7	R
PRH02-13	53.8	54.4	F2	0.6	C
PRH02-13	54.4	70.85	WV_CG	16.45	R
PRH02-13	70.85	75.2	WSS	4.35	R
PRH02-13	75.2	75.55		0.35	R
PRH02-13	75.55	75.9	G1	0.35	C
PRH02-13	75.9	76	G1	0.1	DC
PRH02-13	76	93.1		17.1	R
PRH02-13	93.1	94.05	G	0.95	C
PRH02-13	94.05	99.75	GJPT	5.7	R
PRH02-13	99.75	100.2	J1	0.45	C
PRH02-13	100.2	100.4	J1	0.2	DC
PRH02-13	100.4	100.9	J1	0.5	C
PRH02-13	100.9	101.35	J2P	0.45	CR
PRH02-13	101.35	101.7	J2U	0.35	DC
PRH02-13	101.7	101.85	J2U	0.15	CR
PRH02-13	101.85	102.2	J2U	0.35	C
PRH02-13	102.2	102.4	J2U	0.2	DC
PRH02-13	102.4	102.6	J2U	0.2	CR
PRH02-13	102.6	102.75	J2U	0.15	C
PRH02-13	102.75	102.95	J2U	0.2	DC
PRH02-13	102.95	103.5	J2U	0.55	C
PRH02-13	103.5	103.65	J2U	0.15	CR
PRH02-13	103.65	103.85	J2U	0.2	DC
PRH02-13	103.85	104	J2LP	0.15	CBSH
PRH02-13	104	104.65	J2L	0.65	C
PRH02-13	104.65	104.9	J2L	0.25	CR
PRH02-13	104.9	105.3	J2L	0.4	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH02-13	105.3	106.45	J3P	1.15	R
PRH02-13	106.45	107	J3	0.55	C
PRH02-13	107	107.25	J3	0.25	DC
PRH02-13	107.25	107.45	J3	0.2	C
PRH02-13	107.45	107.65	J3	0.2	DC
PRH02-13	107.65	108.75	J3	1.1	C
PRH02-13	108.75	113.7	QUINTETTE	4.95	R
PRH02-14	0	4	DRIFT	4	DRIFT
PRH02-14	4	8.5	ARMAND	4.5	R
PRH02-14	8.5	9.85		1.35	R
PRH02-14	9.85	10.05	C	0.2	DC
PRH02-14	10.05	10.2	C	0.15	CR
PRH02-14	10.2	10.4	C	0.2	C
PRH02-14	10.4	29.5		19.1	R
PRH02-14	29.5	31.25	FSS	1.75	R
PRH02-14	31.25	50.25	FT_MT_CG	19	R
PRH02-14	50.25	53.5		3.25	R
PRH02-14	53.5	53.7	E0	0.2	CBSH
PRH02-14	53.7	54		0.3	R
PRH02-14	54	54.2	E1	0.2	CBSH
PRH02-14	54.2	55.9		1.7	R
PRH02-14	55.9	56.05	E2U	0.15	CR
PRH02-14	56.05	56.2	E2LP	0.15	CBSH
PRH02-14	56.2	56.8	E2L	0.6	C
PRH02-14	56.8	59.5	E3P	2.7	R
PRH02-14	59.5	60	E3U	0.5	C
PRH02-14	60	60.5		0.5	R
PRH02-14	60.5	60.85	E3L	0.35	CBSH
PRH02-14	60.85	63.25		2.4	R
PRH02-14	63.25	63.65	E4	0.4	CBSH
PRH02-14	63.65	64	E4	0.35	R
PRH02-14	64	64.2	E4	0.2	CBSH
PRH02-14	64.2	73.85		9.65	R
PRH02-14	73.85	74.1	F1	0.25	C
PRH02-14	74.1	74.38	F1	0.28	DC
PRH02-14	74.38	74.5	F1	0.12	CR
PRH02-14	74.5	74.75	F1	0.25	C
PRH02-14	74.75	75	F2P	0.25	CBSH
PRH02-14	75	75.6	F2	0.6	C
PRH02-14	75.6	85.15	WV_CG	9.55	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH02-14	85.15	88.6	WSS	3.45	R
PRH02-14	88.6	89		0.4	R
PRH02-14	89	89.4	G1	0.4	C
PRH02-14	89.4	89.92		0.52	R
PRH02-14	89.92	90.15		0.23	CBSH
PRH02-14	90.15	104.05		13.9	R
PRH02-14	104.05	104.85	G	0.8	C
PRH02-14	104.85	112.2	GJPT	7.35	R
PRH02-14	112.2	112.55	J1	0.35	C
PRH02-14	112.55	112.8	J1	0.25	DC
PRH02-14	112.8	113.4	J1	0.6	C
PRH02-14	113.4	113.7	J2P	0.3	CBSH
PRH02-14	113.7	113.95	J2U	0.25	C
PRH02-14	113.95	114.15	J2U	0.2	DC
PRH02-14	114.15	114.55	J2U	0.4	C
PRH02-14	114.55	114.8	J2U	0.25	DC
PRH02-14	114.8	115	J2U	0.2	C
PRH02-14	115	115.2	J2U	0.2	DC
PRH02-14	115.2	115.75	J2U	0.55	C
PRH02-14	115.75	116.1	J2LP	0.35	R
PRH02-14	116.1	117.3	J2L	1.2	C
PRH02-14	117.3	118.65	J3P	1.35	R
PRH02-14	118.65	120.8	J3	2.15	C
PRH02-14	120.8	120.9		0.1	CR
PRH02-14	120.9	125.6	QUINTETTE	4.7	R
PRH02-16	0	1	DRIFT	1	DRIFT
PRH02-16	1	9.3	WV_CG	8.3	R
PRH02-16	9.3	13.35	WSS	4.05	R
PRH02-16	13.35	14.2		0.85	R
PRH02-16	14.2	14.6	G1	0.4	C
PRH02-16	14.6	15.05		0.45	R
PRH02-16	15.05	15.3		0.25	CBSH
PRH02-16	15.3	29.5		14.2	R
PRH02-16	29.5	30.25	G	0.75	C
PRH02-16	30.25	38.45		8.2	R
PRH02-16	38.45	38.85	J1	0.4	C
PRH02-16	38.85	39.55	J1	0.7	DC
PRH02-16	39.55	39.75	J1	0.2	C
PRH02-16	39.75	39.9	J2P	0.15	CR
PRH02-16	39.9	40.3	J2U	0.4	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH02-16	40.3	40.5	J2U	0.2	CR
PRH02-16	40.5	40.9	J2U	0.4	C
PRH02-16	40.9	41.2	J2U	0.3	CR
PRH02-16	41.2	41.6	J2U	0.4	C
PRH02-16	41.6	41.85	J2U	0.25	DC
PRH02-16	41.85	41.95	J2U	0.1	C
PRH02-16	41.95	42.2	J2U	0.25	DC
PRH02-16	42.2	42.5	J2LP	0.3	CR
PRH02-16	42.5	43.75	J2L	1.25	C
PRH02-16	43.75	44.85	J3P	1.1	R
PRH02-16	44.85	45.2	J3	0.35	C
PRH02-16	45.2	45.35	J3	0.15	DC
PRH02-16	45.35	45.65	J3	0.3	C
PRH02-16	45.65	45.8	J3	0.15	CR
PRH02-16	45.8	46.05	J3	0.25	C
PRH02-16	46.05	46.25	J3	0.2	DC
PRH02-16	46.25	46.35	J3	0.1	C
PRH02-16	46.35	46.5	J3	0.15	DC
PRH02-16	46.5	47	J3	0.5	C
PRH02-16	47	52.5	QUINTETTE	5.5	R
PRH02-17	0	1.5	DRIFT	1.5	DRIFT
PRH02-17	1.5	2.3		0.8	R
PRH02-17	2.3	2.5	E3L	0.2	CBSH
PRH02-17	2.5	6.7		4.2	R
PRH02-17	6.7	6.9	E4	0.2	CBSH
PRH02-17	6.9	12.7		5.8	R
PRH02-17	12.7	13.05	F1	0.35	DC
PRH02-17	13.05	13.25	F2P	0.2	CBSH
PRH02-17	13.25	14.05	F2P	0.8	R
PRH02-17	14.05	14.35	F2P	0.3	CBSH
PRH02-17	14.35	14.6	F2P	0.25	CR
PRH02-17	14.6	14.85	F2	0.25	C
PRH02-17	14.85	25.8	WV_CG	10.95	R
PRH02-17	25.8	29.3	WSS	3.5	R
PRH02-17	29.3	29.75	G1	0.45	C
PRH02-17	29.75	30		0.25	R
PRH02-17	30	30.2		0.2	CBSH
PRH02-17	30.2	44.3		14.1	R
PRH02-17	44.3	45.1	G	0.8	C
PRH02-17	45.1	54.85	GJPT	9.75	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH02-17	54.85	55.2	J1	0.35	C
PRH02-17	55.2	55.4	J1	0.2	DC
PRH02-17	55.4	56.3	J1	0.9	C
PRH02-17	56.3	56.55	J2P	0.25	CR
PRH02-17	56.55	56.82	J2U	0.27	C
PRH02-17	56.82	56.92	J2U	0.1	CR
PRH02-17	56.92	57.3	J2U	0.38	C
PRH02-17	57.3	57.5	J2U	0.2	DC
PRH02-17	57.5	57.8	J2U	0.3	C
PRH02-17	57.8	58.1	J2U	0.3	DC
PRH02-17	58.1	58.35	J2U	0.25	CR
PRH02-17	58.35	59.3	J2U	0.95	C
PRH02-17	59.3	59.5	J2LP	0.2	CR
PRH02-17	59.5	59.7	J2LP	0.2	CBSH
PRH02-17	59.7	60.9	J2L	1.2	C
PRH02-17	60.9	62.1	J3P	1.2	R
PRH02-17	62.1	62.45	J3	0.35	C
PRH02-17	62.45	62.7	J3	0.25	DC
PRH02-17	62.7	62.85	J3	0.15	C
PRH02-17	62.85	63	J3	0.15	CR
PRH02-17	63	63.3	J3	0.3	DC
PRH02-17	63.3	65.35	J3	2.05	C
PRH02-17	65.35	71.02	QUINTETTE	5.67	R
PRH2003-1C	0	2.1	DRIFT	2.1	DRIFT
PRH2003-1C	2.1	61.1		59	R
PRH2003-1C	61.1	61.25		0.15	CR
PRH2003-1C	61.25	70.2		8.95	R
PRH2003-1C	70.2	70.35	C	0.15	DC
PRH2003-1C	70.35	70.5	C	0.15	CR
PRH2003-1C	70.5	70.7	C	0.2	C
PRH2003-1C	70.7	84.45		13.75	R
PRH2003-1C	84.45	107.6	FSS	23.15	R
PRH2003-1C	107.6	110.9		3.3	R
PRH2003-1C	110.9	111.18	D	0.28	DC
PRH2003-1C	111.18	119.1		7.92	R
PRH2003-1C	119.1	119.2	E0	0.1	CBSH
PRH2003-1C	119.2	122.95		3.75	R
PRH2003-1C	122.95	123.15	E1	0.2	CBSH
PRH2003-1C	123.15	123.53		0.38	R
PRH2003-1C	123.53	123.6	E2U	0.07	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH2003-1C	123.6	123.66	E2U	0.06	R
PRH2003-1C	123.66	123.79	E2U	0.13	C
PRH2003-1C	123.79	123.87	E2LP	0.08	R
PRH2003-1C	123.87	124.38	E2L	0.51	C
PRH2003-1C	124.38	125.82	E3P	1.44	R
PRH2003-1C	125.82	125.92	E3U	0.1	DC
PRH2003-1C	125.92	126.12	E3U	0.2	C
PRH2003-1C	126.12	126.22	E3U	0.1	DC
PRH2003-1C	126.22	126.45		0.23	R
PRH2003-1C	126.45	126.72	E3L	0.27	DC
PRH2003-1C	126.72	126.91	E3L	0.19	C
PRH2003-1C	126.91	127.6		0.69	R
PRH2003-1C	127.6	127.82	E4	0.22	CR
PRH2003-1C	127.82	133.85		6.03	R
PRH2003-1C	133.85	134.29	F1	0.44	C
PRH2003-1C	134.29	134.4	F1	0.11	DC
PRH2003-1C	134.4	134.62	F1	0.22	C
PRH2003-1C	134.62	134.8	F2P	0.18	CR
PRH2003-1C	134.8	135.42	F2	0.62	C
PRH2003-1C	135.42	145.6	WV_CG	10.18	R
PRH2003-1C	145.6	153.1	WSS	7.5	R
PRH2003-1C	153.1	153.4	G1	0.3	CR
PRH2003-1C	153.4	154.3		0.9	R
PRH2003-1C	154.3	154.5		0.2	CBSH
PRH2003-1C	154.5	163.85		9.35	R
PRH2003-1C	163.85	164.55	G	0.7	C
PRH2003-1C	164.55	178.45	GJPT	13.9	R
PRH2003-1C	178.45	179.9	J1	1.45	C
PRH2003-1C	179.9	180.95	J2P	1.05	R
PRH2003-1C	180.95	181.15	J2P	0.2	CBSH
PRH2003-1C	181.15	181.4	J2P	0.25	R
PRH2003-1C	181.4	181.78	J2U	0.38	C
PRH2003-1C	181.78	181.95	J2U	0.17	CR
PRH2003-1C	181.95	183.3	J2U	1.35	C
PRH2003-1C	183.3	183.4	J2U	0.1	DC
PRH2003-1C	183.4	183.5	J2LP	0.1	CR
PRH2003-1C	183.5	185	J2L	1.5	C
PRH2003-1C	185	185.25	J2L	0.25	DC
PRH2003-1C	185.25	187.48	J3P	2.23	R
PRH2003-1C	187.48	189.7	J3	2.22	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH2003-1C	189.7	195.84	QUINTETTE	6.14	R
PRH2003-2c	0	2.7	DRIFT	2.7	DRIFT
PRH2003-2c	2.7	36.82		34.12	R
PRH2003-2c	36.82	36.95	C	0.13	DC
PRH2003-2c	36.95	37.09	C	0.14	CR
PRH2003-2c	37.09	37.26	C	0.17	DC
PRH2003-2c	37.26	53.4		16.14	R
PRH2003-2c	53.4	63.7	FSS	10.3	R
PRH2003-2c	63.7	76.36	FT_MT_CG	12.66	R
PRH2003-2c	76.36	76.56		0.2	R
PRH2003-2c	76.56	76.8		0.24	CR
PRH2003-2c	76.8	77.18		0.38	R
PRH2003-2c	77.18	77.33	D	0.15	DC
PRH2003-2c	77.33	77.55	D	0.22	R
PRH2003-2c	77.55	77.73	D	0.18	C
PRH2003-2c	77.73	84.85		7.12	R
PRH2003-2c	84.85	85.05		0.2	CBSH
PRH2003-2c	85.05	85.27	E0	0.22	CR
PRH2003-2c	85.27	87.17		1.9	R
PRH2003-2c	87.17	87.25		0.08	CBSH
PRH2003-2c	87.25	87.45	E1	0.2	CR
PRH2003-2c	87.45	89.87		2.42	R
PRH2003-2c	89.87	90.05	E2U	0.18	DC
PRH2003-2c	90.05	90.13	E2LP	0.08	R
PRH2003-2c	90.13	90.25	E2LP	0.12	CR
PRH2003-2c	90.25	90.82	E2L	0.57	C
PRH2003-2c	90.82	92.72	E3P	1.9	R
PRH2003-2c	92.72	93.12	E3U	0.4	C
PRH2003-2c	93.12	93.37		0.25	R
PRH2003-2c	93.37	93.7	E3L	0.33	DC
PRH2003-2c	93.7	93.93	E3L	0.23	C
PRH2003-2c	93.93	94.95		1.02	R
PRH2003-2c	94.95	95.12		0.17	CBSH
PRH2003-2c	95.12	95.35	E4	0.23	CR
PRH2003-2c	95.35	95.5	E4	0.15	CBSH
PRH2003-2c	95.5	95.62	E4	0.12	R
PRH2003-2c	95.62	95.75	E4	0.13	CR
PRH2003-2c	95.75	100.08		4.33	R
PRH2003-2c	100.08	100.37	F1	0.29	C
PRH2003-2c	100.37	100.55	F1	0.18	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH2003-2c	100.55	100.6	F1	0.05	CR
PRH2003-2c	100.6	101.05	F1	0.45	C
PRH2003-2c	101.05	101.62	F2	0.57	C
PRH2003-2c	101.62	105.52	WV_CG	3.9	R
PRH2003-3	0	1	DRIFT	1	DRIFT
PRH2003-3	1	7.25	ARMAND	6.25	R
PRH2003-3	7.25	8.6		1.35	R
PRH2003-3	8.6	8.75	C	0.15	DC
PRH2003-3	8.75	8.9	C	0.15	CR
PRH2003-3	8.9	9.05	C	0.15	C
PRH2003-3	9.05	9.2	C	0.15	R
PRH2003-3	9.2	9.4	C	0.2	C
PRH2003-3	9.4	21.25		11.85	R
PRH2003-3	21.25	46.4	FSS	25.15	R
PRH2003-3	46.4	49.9		3.5	R
PRH2003-3	49.9	50.2	D	0.3	C
PRH2003-3	50.2	52.3		2.1	R
PRH2003-3	52.3	52.5	E0	0.2	CBSH
PRH2003-3	52.5	58.25		5.75	R
PRH2003-3	58.25	58.55	E1	0.3	DC
PRH2003-3	58.55	58.75		0.2	R
PRH2003-3	58.75	59		0.25	CR
PRH2003-3	59	59.1	E2U	0.1	DC
PRH2003-3	59.1	59.25	E2LP	0.15	R
PRH2003-3	59.25	59.9	E2L	0.65	C
PRH2003-3	59.9	60.9	E3P	1	R
PRH2003-3	60.9	61.1	E3P	0.2	CR
PRH2003-3	61.1	61.25	E3P	0.15	R
PRH2003-3	61.25	61.65	E3U	0.4	C
PRH2003-3	61.65	61.85		0.2	R
PRH2003-3	61.85	61.95	E3L	0.1	DC
PRH2003-3	61.95	62.15	E3L	0.2	CR
PRH2003-3	62.15	62.4	E3L	0.25	C
PRH2003-3	62.4	63.15		0.75	R
PRH2003-3	63.15	63.45	E4	0.3	CR
PRH2003-3	63.45	63.75	E4	0.3	R
PRH2003-3	63.75	64	E4	0.25	CR
PRH2003-3	64	68.35		4.35	R
PRH2003-3	68.35	68.7	F1	0.35	C
PRH2003-3	68.7	68.87	F1	0.17	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PRH2003-3	68.87	69.05	F1	0.18	C
PRH2003-3	69.05	69.25	F2P	0.2	CBSH
PRH2003-3	69.25	69.45	F2	0.2	C
PRH2003-3	69.45	69.65	F2	0.2	DC
PRH2003-3	69.65	69.8	F2	0.15	C
PRH2003-3	69.8	81.1	WV_CG	11.3	R
PRH2003-3	81.1	87.8	WSS	6.7	R
PRH2003-3	87.8	88	G1	0.2	CBSH
PRH2003-3	88	88.3		0.3	R
PRH2003-3	88.3	89		0.7	CBSH
PRH2003-3	89	98.45		9.45	R
PRH2003-3	98.45	99.25	G	0.8	C
PRH2003-3	99.25	115.6	GJPT	16.35	R
PRH2003-3	115.6	115.95	GJPT	0.35	CBSH
PRH2003-3	115.95	117.2	J1	1.25	C
PRH2003-3	117.2	117.5	J2P	0.3	R
PRH2003-3	117.5	118.1	J2U	0.6	C
PRH2003-3	118.1	118.25	J2U	0.15	DC
PRH2003-3	118.25	119.85	J2U	1.6	C
PRH2003-3	119.85	120	J2U	0.15	DC
PRH2003-3	120	120.05	J2L	0.05	DC
PRH2003-3	120.05	121.98	J2L	1.93	C
PRH2003-3	121.98	123.5	J3P	1.52	R
PRH2003-3	123.5	123.7	J3P	0.2	CBSH
PRH2003-3	123.7	125.83	J3	2.13	C
PRH2003-3	125.83	126.8		0.97	R
PRH2003-3	126.8	132	QUINTETTE	5.2	R
PCR2005-1	0	1	DRIFT	1	DRIFT
PCR2005-1	1	4.8	WV_CG	3.8	R
PCR2005-1	4.8	7.6	WSS	2.8	R
PCR2005-1	7.6	7.85	G1	0.25	CBSH
PCR2005-1	7.85	21.75		13.9	R
PCR2005-1	21.75	22.55	G	0.8	C
PCR2005-1	22.55	22.93	G	0.38	DC
PCR2005-1	22.93	42	GJPT	19.07	R
PCR2005-1	42	42.46	J1	0.46	C
PCR2005-1	42.46	42.56	J2U	0.1	DC
PCR2005-1	42.56	43.35	J2U	0.79	C
PCR2005-1	43.35	43.5	J2U	0.15	DC
PCR2005-1	43.5	43.63	J2LP	0.13	CR

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PCR2005-1	43.63	43.73	J2L	0.1	C
PCR2005-1	43.73	44.3	J2L	0.57	DC
PCR2005-1	44.3	44.67	J2L	0.37	C
PCR2005-1	44.67	45.1	J3P	0.43	CBSH
PCR2005-1	45.1	47.6	J3	2.5	C
PCR2005-1	47.6	61.93	QUINTETTE	14.33	R
DH2	0	2.1	DRIFT	2.1	DRIFT
DH2	2.1	23	FT_MT_CG	20.9	R
DH2	23	33.72		10.72	R
DH2	33.72	33.93	E2U	0.21	DC
DH2	33.93	34.65	E2L	0.72	C
DH2	34.65	37.55	E3P	2.9	R
DH2	37.55	37.91	E3U	0.36	C
DH2	37.91	39.05		1.14	R
DH2	39.05	39.2	E3L	0.15	CBSH
DH2	39.2	42.4		3.2	R
DH2	42.4	42.6	E4	0.2	CBSH
DH2	42.6	52.7		10.1	R
DH2	52.7	53.35	F1	0.65	C
DH2	53.35	53.81	F2	0.46	DC
DH2	53.81	54.26	F2	0.45	C
DH2	54.26	54.32		0.06	R
DH2	54.32	61.65	WV_CG	7.33	R
DH2	61.65	67.4	WSS	5.75	R
DH2	67.4	67.77	G1	0.37	C
DH2	67.77	67.85	G1	0.08	DC
DH2	67.85	68.05		0.2	CR
DH2	68.05	80.85		12.8	R
DH2	80.85	81.7	G	0.85	C
DH2	81.7	92.55	GJPT	10.85	R
DH2	92.55	92.65	GJPT	0.1	CR
DH2	92.65	93.96	J1	1.31	C
DH2	93.96	94.1	J2U	0.14	DC
DH2	94.1	94.53	J2U	0.43	C
DH2	94.53	94.68	J2U	0.15	DC
DH2	94.68	96.18	J2U	1.5	C
DH2	96.18	97.33	J2L	1.15	C
DH2	97.33	97.62	J3P	0.29	CBSH
DH2	97.62	98.65	J3P	1.03	R
DH2	98.65	100.94	J3	2.29	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
DH2	100.94	101.57		0.63	R
DH2	101.57	109.39	QUINTETTE	7.82	R
DH2006-3	0	2.6	DRIFT	2.6	DRIFT
DH2006-3	2.6	3.8	FSS	1.2	R
DH2006-3	3.8	20.04	FT_MT_CG	16.24	R
DH2006-3	20.04	20.85		0.81	R
DH2006-3	20.85	21	E0	0.15	CBSH
DH2006-3	21	28.4		7.4	R
DH2006-3	28.4	28.76	E1	0.36	CBSH
DH2006-3	28.76	31.55		2.79	R
DH2006-3	31.55	31.66		0.11	CBSH
DH2006-3	31.66	31.78	E2U	0.12	DC
DH2006-3	31.78	31.86	E2U	0.08	C
DH2006-3	31.86	31.93	E2LP	0.07	CR
DH2006-3	31.93	32.49	E2L	0.56	C
DH2006-3	32.49	32.7	E3P	0.21	CBSH
DH2006-3	32.7	34.18	E3P	1.48	R
DH2006-3	34.18	34.4	E3P	0.22	CBSH
DH2006-3	34.4	34.75	E3U	0.35	C
DH2006-3	34.75	34.95		0.2	CBSH
DH2006-3	34.95	36.68		1.73	R
DH2006-3	36.68	36.79	E3L	0.11	CBSH
DH2006-3	36.79	40.02		3.23	R
DH2006-3	40.02	40.15	E4	0.13	CBSH
DH2006-3	40.15	40.3	E4	0.15	R
DH2006-3	40.3	40.42	E4	0.12	CBSH
DH2006-3	40.42	47.49		7.07	R
DH2006-3	47.49	47.6		0.11	CBSH
DH2006-3	47.6	50.55		2.95	R
DH2006-3	50.55	50.76		0.21	CBSH
DH2006-3	50.76	50.96	F1	0.2	C
DH2006-3	50.96	51.56	F1	0.6	DC
DH2006-3	51.56	51.95	F2P	0.39	CR
DH2006-3	51.95	52.26	F2	0.31	C
DH2006-3	52.26	52.4		0.14	CR
DH2006-3	52.4	52.49		0.09	CBSH
DH2006-3	52.49	60.9	WV_CG	8.41	R
DH2006-3	60.9	64.95	WSS	4.05	R
DH2006-3	64.95	65.28		0.33	R
DH2006-3	65.28	65.49		0.21	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
DH2006-3	65.49	65.75	G1	0.26	C
DH2006-3	65.75	66.02		0.27	CBSH
DH2006-3	66.02	80.68		14.66	R
DH2006-3	80.68	80.92		0.24	CBSH
DH2006-3	80.92	81.58	G	0.66	C
DH2006-3	81.58	81.8	G	0.22	DC
DH2006-3	81.8	82.05	GJPT	0.25	CBSH
DH2006-3	82.05	89.92	GJPT	7.87	R
DH2006-3	89.92	90.05	GJPT	0.13	CR
DH2006-3	90.05	91.47	J1	1.42	C
DH2006-3	91.47	92.52	J2U	1.05	C
DH2006-3	92.52	92.63	J2U	0.11	DC
DH2006-3	92.63	93.96	J2U	1.33	C
DH2006-3	93.96	94.08	J2L	0.12	DC
DH2006-3	94.08	95.07	J2L	0.99	C
DH2006-3	95.07	95.2	J3P	0.13	CR
DH2006-3	95.2	96.35	J3P	1.15	R
DH2006-3	96.35	96.59	J3P	0.24	CBSH
DH2006-3	96.59	98.6	J3	2.01	C
DH2006-3	98.6	98.82		0.22	CBSH
DH2006-3	98.82	99.64		0.82	R
DH2006-3	99.64	108.2	QUINTETTE	8.56	R
DH2006-8	0	2.55	DRIFT	2.55	DRIFT
DH2006-8	2.55	3.7	ARMAND	1.15	R
DH2006-8	3.7	4.8		1.1	R
DH2006-8	4.8	5.05		0.25	CR
DH2006-8	5.05	5.2	C	0.15	DC
DH2006-8	5.2	5.45		0.25	CR
DH2006-8	5.45	7.5		2.05	R
DH2006-8	7.5	24.1		16.6	R
DH2006-8	24.1	27.8	FSS	3.7	R
DH2006-8	27.8	45.8	FT_MT_CG	18	R
DH2006-8	45.8	49.9		4.1	R
DH2006-8	49.9	50.05	E0	0.15	CBSH
DH2006-8	50.05	50.15		0.1	R
DH2006-8	50.15	50.3	E1	0.15	CBSH
DH2006-8	50.3	52.15		1.85	R
DH2006-8	52.15	52.3	E2U	0.15	DC
DH2006-8	52.3	52.4	E2LP	0.1	R
DH2006-8	52.4	52.7	E2L	0.3	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
DH2006-8	52.7	55.35	E3P	2.65	R
DH2006-8	55.35	55.6	E3P	0.25	CBSH
DH2006-8	55.6	55.8	E3U	0.2	C
DH2006-8	55.8	56.05		0.25	CBSH
DH2006-8	56.05	56.7		0.65	R
DH2006-8	56.7	57.1	E3L	0.4	CBSH
DH2006-8	57.1	59.1		2	R
DH2006-8	59.1	59.5	E4	0.4	CBSH
DH2006-8	59.5	69.7		10.2	R
DH2006-8	69.7	70	F1	0.3	C
DH2006-8	70	70.2	F1	0.2	DC
DH2006-8	70.2	70.35	F1	0.15	CR
DH2006-8	70.35	70.5	F1	0.15	DC
DH2006-8	70.5	70.7	F2P	0.2	CR
DH2006-8	70.7	70.9	F2	0.2	DC
DH2006-8	70.9	71.3	F2	0.4	C
DH2006-8	71.3	80.4	WV_CG	9.1	R
DH2006-8	80.4	84.3	WSS	3.9	R
DH2006-8	84.3	84.4		0.1	R
DH2006-8	84.4	84.8	G1	0.4	DC
DH2006-8	84.8	85.2		0.4	R
DH2006-8	85.2	85.5		0.3	CBSH
DH2006-8	85.5	90.5		5	R
DH2006-8	90.5	90.8		0.3	CBSH
DH2006-8	90.8	91.5		0.7	R
DH2006-8	91.5	91.75		0.25	CBSH
DH2006-8	91.75	99.4		7.65	R
DH2006-8	99.4	99.6		0.2	CBSH
DH2006-8	99.6	100.4	G	0.8	C
DH2006-8	100.4	100.65	GJPT	0.25	CBSH
DH2006-8	100.65	107.7	GJPT	7.05	R
DH2006-8	107.7	109.1	J1	1.4	C
DH2006-8	109.1	109.25	J2U	0.15	DC
DH2006-8	109.25	111.45	J2U	2.2	C
DH2006-8	111.45	111.75	J2L	0.3	DC
DH2006-8	111.75	112.9	J2L	1.15	C
DH2006-8	112.9	113.1	J3P	0.2	CBSH
DH2006-8	113.1	114.2	J3P	1.1	R
DH2006-8	114.2	116.45	J3	2.25	C
DH2006-8	116.45	117.6		1.15	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
DH2006-8	117.6	120.04	QUINTETTE	2.44	R
DH9	0	2.38	DRIFT	2.38	DRIFT
DH9	2.38	9.08	FT_MT_CG	6.7	R
DH9	9.08	11.2		2.12	R
DH9	11.2	11.3	E0	0.1	CBSH
DH9	11.3	17.94		6.64	R
DH9	17.94	18.05	E2U	0.11	DC
DH9	18.05	18.15	E2LP	0.1	CR
DH9	18.15	18.65	E2L	0.5	C
DH9	18.65	18.88	E3P	0.23	CBSH
DH9	18.88	21.62	E3P	2.74	R
DH9	21.62	21.85	E3U	0.23	DC
DH9	21.85	21.95	E3U	0.1	C
DH9	21.95	22.2		0.25	CBSH
DH9	22.2	23.9		1.7	R
DH9	23.9	23.92	E3L	0.02	CBSH
DH9	23.92	27		3.08	R
DH9	27	27.35	E4	0.35	CBSH
DH9	27.35	37.62		10.27	R
DH9	37.62	37.89	F1	0.27	C
DH9	37.89	38	F1	0.11	CR
DH9	38	38.12	F1	0.12	DC
DH9	38.12	38.29	F1	0.17	CBSH
DH9	38.29	38.55	F1	0.26	DC
DH9	38.55	38.95	F2P	0.4	R
DH9	38.95	39.25	F2P	0.3	CR
DH9	39.25	39.65	F2	0.4	C
DH9	39.65	39.85		0.2	CR
DH9	39.85	49.4	WV_CG	9.55	R
DH9	49.4	54	WSS	4.6	R
DH9	54	54.2		0.2	CBSH
DH9	54.2	54.35	G1	0.15	C
DH9	54.35	54.6	G1	0.25	DC
DH9	54.6	54.82		0.22	CBSH
DH9	54.82	60.6		5.78	R
DH9	60.6	60.7		0.1	CBSH
DH9	60.7	61.48		0.78	R
DH9	61.48	61.62		0.14	CBSH
DH9	61.62	70.65		9.03	R
DH9	70.65	70.86		0.21	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
DH9	70.86	72	G	1.14	C
DH9	72	72.13	GJPT	0.13	CR
DH9	72.13	78.72	GJPT	6.59	R
DH9	78.72	78.85	GJPT	0.13	CR
DH9	78.85	80.69	J1	1.84	C
DH9	80.69	80.77	J2U	0.08	DC
DH9	80.77	82.5	J2U	1.73	C
DH9	82.5	82.8	J2U	0.3	DC
DH9	82.8	82.94	J2LP	0.14	CR
DH9	82.94	84.06	J2L	1.12	C
DH9	84.06	84.1	J2L	0.04	DC
DH9	84.1	84.2	J3P	0.1	CR
DH9	84.2	85.1	J3P	0.9	R
DH9	85.1	85.22	J3P	0.12	CBSH
DH9	85.22	87.36	J3	2.14	C
DH9	87.36	87.6		0.24	CBSH
DH9	87.6	89.23	QUINTETTE	1.63	R
DH2006-10	0	2.4	DRIFT	2.4	DRIFT
DH2006-10	2.4	3.58		1.18	R
DH2006-10	3.58	3.88	E4	0.3	CBSH
DH2006-10	3.88	5.52		1.64	R
DH2006-10	5.52	5.81		0.29	CBSH
DH2006-10	5.81	6.05	F1	0.24	C
DH2006-10	6.05	6.33		0.28	CBSH
DH2006-10	6.33	11.58		5.25	R
DH2006-10	11.58	12		0.42	R
DH2006-10	12	12.15		0.15	CBSH
DH2006-10	12.15	12.35	F2	0.2	C
DH2006-10	12.35	12.62		0.27	CR
DH2006-10	12.62	21.78	WV_CG	9.16	R
DH2006-10	21.78	26.25	WSS	4.47	R
DH2006-10	26.25	26.29		0.04	R
DH2006-10	26.29	26.55		0.26	CBSH
DH2006-10	26.55	26.76	G1	0.21	C
DH2006-10	26.76	27	G1	0.24	DC
DH2006-10	27	27.16		0.16	CR
DH2006-10	27.16	27.4		0.24	CBSH
DH2006-10	27.4	42.4		15	R
DH2006-10	42.4	42.65		0.25	CBSH
DH2006-10	42.65	43.22	G	0.57	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
DH2006-10	43.22	43.45	G	0.23	DC
DH2006-10	43.45	43.62	GJPT	0.17	CBSH
DH2006-10	43.62	50.69	GJPT	7.07	R
DH2006-10	50.69	50.82	GJPT	0.13	CR
DH2006-10	50.82	51.97	J1	1.15	C
DH2006-10	51.97	52.24	J2U	0.27	DC
DH2006-10	52.24	54.55	J2U	2.31	C
DH2006-10	54.55	54.7	J2U	0.15	DC
DH2006-10	54.7	54.78	J2U	0.08	C
DH2006-10	54.78	54.9	J2L	0.12	DC
DH2006-10	54.9	55.84	J2L	0.94	C
DH2006-10	55.84	55.9	J2L	0.06	DC
DH2006-10	55.9	56.08	J3P	0.18	CR
DH2006-10	56.08	57	J3P	0.92	R
DH2006-10	57	57.19	J3P	0.19	CBSH
DH2006-10	57.19	59.3	J3	2.11	C
DH2006-10	59.3	59.4		0.1	CR
DH2006-10	59.4	69.41	QUINTETTE	10.01	R
DH2006-11	0	2.3	DRIFT	2.3	DRIFT
DH2006-11	2.3	9.2		6.9	R
DH2006-11	9.2	9.4	F1	0.2	C
DH2006-11	9.4	10.15	F1	0.75	DC
DH2006-11	10.15	10.3	F1	0.15	C
DH2006-11	10.3	10.45	F1	0.15	DC
DH2006-11	10.45	11.4	F1	0.95	C
DH2006-11	11.4	12.15	F1	0.75	DC
DH2006-11	12.15	12.4	F2P	0.25	CR
DH2006-11	12.4	12.6	F2P	0.2	CBSH
DH2006-11	12.6	12.9	F2P	0.3	R
DH2006-11	12.9	13.05	F2P	0.15	CBSH
DH2006-11	13.05	13.2	F2	0.15	DC
DH2006-11	13.2	13.5	F2	0.3	C
DH2006-11	13.5	13.9		0.4	CBSH
DH2006-11	13.9	24.2	WV_CG	10.3	R
DH2006-11	24.2	27.55	WSS	3.35	R
DH2006-11	27.55	27.8		0.25	CBSH
DH2006-11	27.8	28.1	G1	0.3	C
DH2006-11	28.1	28.25		0.15	R
DH2006-11	28.25	28.65		0.4	CBSH
DH2006-11	28.65	33.4		4.75	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
DH2006-11	33.4	33.6		0.2	CBSH
DH2006-11	33.6	43.65		10.05	R
DH2006-11	43.65	43.9		0.25	CBSH
DH2006-11	43.9	44.75	G	0.85	C
DH2006-11	44.75	45	GJPT	0.25	CR
DH2006-11	45	52.1	GJPT	7.1	R
DH2006-11	52.1	53.55	J1	1.45	C
DH2006-11	53.55	53.85	J1	0.3	DC
DH2006-11	53.85	57.3	J2U	3.45	C
DH2006-11	57.3	57.45	J2U	0.15	DC
DH2006-11	57.45	59.9	J2U	2.45	C
DH2006-11	59.9	60.05	J2LP	0.15	CR
DH2006-11	60.05	60.3	J2L	0.25	DC
DH2006-11	60.3	61.6	J2L	1.3	C
DH2006-11	61.6	61.95	J3P	0.35	CBSH
DH2006-11	61.95	62.1	J3P	0.15	R
DH2006-11	62.1	62.2	J3P	0.1	CBSH
DH2006-11	62.2	63.25	J3P	1.05	R
DH2006-11	63.25	63.5	J3P	0.25	CR
DH2006-11	63.5	65.6	J3	2.1	C
DH2006-11	65.6	65.85		0.25	CR
DH2006-11	65.85	82.3	QUINTETTE	16.45	R
DH2006-13	0	2.35	DRIFT	2.35	DRIFT
DH2006-13	2.35	3.05		0.7	R
DH2006-13	3.05	3.35		0.3	CR
DH2006-13	3.35	5.8		2.45	R
DH2006-13	5.8	6.05		0.25	CBSH
DH2006-13	6.05	6.35	F1	0.3	DC
DH2006-13	6.35	6.6	F2P	0.25	CBSH
DH2006-13	6.6	8.95	F2P	2.35	R
DH2006-13	8.95	9.2	F2P	0.25	CBSH
DH2006-13	9.2	9.4	F2	0.2	DC
DH2006-13	9.4	9.65		0.25	CR
DH2006-13	9.65	18.9	WV_CG	9.25	R
DH2006-13	18.9	22.85	WSS	3.95	R
DH2006-13	22.85	23.1		0.25	R
DH2006-13	23.1	23.5	G1	0.4	C
DH2006-13	23.5	23.8		0.3	CR
DH2006-13	23.8	24		0.2	CBSH
DH2006-13	24	39.3		15.3	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
DH2006-13	39.3	39.55		0.25	CBSH
DH2006-13	39.55	40.4	G	0.85	C
DH2006-13	40.4	40.6	GJPT	0.2	CBSH
DH2006-13	40.6	48.5	GJPT	7.9	R
DH2006-13	48.5	49.8	J1	1.3	C
DH2006-13	49.8	49.95	J1	0.15	DC
DH2006-13	49.95	50.1	J2P	0.15	CR
DH2006-13	50.1	50.2	J2U	0.1	DC
DH2006-13	50.2	50.4	J2U	0.2	C
DH2006-13	50.4	50.6	J2U	0.2	CR
DH2006-13	50.6	52.2	J2U	1.6	C
DH2006-13	52.2	52.35	J2U	0.15	DC
DH2006-13	52.35	52.5	J2U	0.15	C
DH2006-13	52.5	52.55	J2LP	0.05	CR
DH2006-13	52.55	53.7	J2L	1.15	C
DH2006-13	53.7	53.9	J3P	0.2	CBSH
DH2006-13	53.9	54.85	J3P	0.95	R
DH2006-13	54.85	55	J3P	0.15	CBSH
DH2006-13	55	55.25	J3	0.25	DC
DH2006-13	55.25	57.4	J3	2.15	C
DH2006-13	57.4	57.6		0.2	CBSH
DH2006-13	57.6	58.4		0.8	R
DH2006-13	58.4	67	QUINTETTE	8.6	R
PR2006-01	0	1.15	DRIFT	1.15	DRIFT
PR2006-01	1.15	5.9	ARMAND	4.75	R
PR2006-01	5.9	8.65		2.75	R
PR2006-01	8.65	9.15	C	0.5	CBSH
PR2006-01	9.15	20.8		11.65	R
PR2006-01	20.8	26.2	FSS	5.4	R
PR2006-01	26.2	33.3	FT_MT_CG	7.1	R
PR2006-01	33.3	38.25		4.95	R
PR2006-01	38.25	41.35		3.1	R
PR2006-01	41.35	41.52		0.17	CBSH
PR2006-01	41.52	41.8	E0	0.28	CR
PR2006-01	41.8	42.15		0.35	CBSH
PR2006-01	42.15	42.52		0.37	R
PR2006-01	42.52	42.9	E1	0.38	CBSH
PR2006-01	42.9	44		1.1	R
PR2006-01	44	44.22	E2U	0.22	CR
PR2006-01	44.22	44.5	E2L	0.28	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-01	44.5	44.7	E3P	0.2	CBSH
PR2006-01	44.7	46.13	E3P	1.43	R
PR2006-01	46.13	46.42	E3P	0.29	CBSH
PR2006-01	46.42	46.68	E3U	0.26	DC
PR2006-01	46.68	46.9		0.22	CBSH
PR2006-01	46.9	47.65		0.75	R
PR2006-01	47.65	47.8	E3L	0.15	CBSH
PR2006-01	47.8	53.1		5.3	R
PR2006-01	53.1	53.3	E4	0.2	CBSH
PR2006-01	53.3	62.7		9.4	R
PR2006-01	62.7	62.88		0.18	CBSH
PR2006-01	62.88	63.05	F1	0.17	DC
PR2006-01	63.05	63.6	F2P	0.55	CBSH
PR2006-01	63.6	67.52	F2P	3.92	R
PR2006-01	67.52	67.75	F2P	0.23	CBSH
PR2006-01	67.75	68.1	F2	0.35	DC
PR2006-01	68.1	68.25		0.15	CBSH
PR2006-01	68.25	68.32		0.07	R
PR2006-01	68.32	80.75	WV_CG	12.43	R
PR2006-01	80.75	85.6	WSS	4.85	R
PR2006-01	85.6	86	G1	0.4	CBSH
PR2006-01	86	98.7		12.7	R
PR2006-01	98.7	98.92		0.22	CBSH
PR2006-01	98.92	99.5	G	0.58	C
PR2006-01	99.5	99.75	GJPT	0.25	CBSH
PR2006-01	99.75	111.3	GJPT	11.55	R
PR2006-01	111.3	111.48	GJPT	0.18	CBSH
PR2006-01	111.48	112.7	J1	1.22	C
PR2006-01	112.7	112.85	J1	0.15	DC
PR2006-01	112.85	113.02	J1	0.17	C
PR2006-01	113.02	113.13	J1	0.11	DC
PR2006-01	113.13	113.27	J1	0.14	C
PR2006-01	113.27	113.4	J2P	0.13	CR
PR2006-01	113.4	115.12	J2U	1.72	C
PR2006-01	115.12	115.52	J2L	0.4	DC
PR2006-01	115.52	116.56	J2L	1.04	C
PR2006-01	116.56	116.82	J3P	0.26	CBSH
PR2006-01	116.82	117.55	J3P	0.73	R
PR2006-01	117.55	117.7	J3P	0.15	CBSH
PR2006-01	117.7	119.8	J3	2.1	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-01	119.8	147	QUINTETTE	27.2	R
PR2006-01	147	173.73	MEDIAL_SILT	26.73	R
PR2006-02	0	2.55	DRIFT	2.55	DRIFT
PR2006-02	2.55	5.4	FT_MT_CG	2.85	R
PR2006-02	5.4	6.5		1.1	R
PR2006-02	6.5	6.8	E0	0.3	CR
PR2006-02	6.8	11.6		4.8	R
PR2006-02	11.6	11.85		0.25	CBSH
PR2006-02	11.85	12	E1	0.15	CR
PR2006-02	12	13.8		1.8	R
PR2006-02	13.8	14.06	E2U	0.26	CR
PR2006-02	14.06	14.43	E2L	0.37	DC
PR2006-02	14.43	14.6	E3P	0.17	CBSH
PR2006-02	14.6	16	E3P	1.4	R
PR2006-02	16	16.25	E3P	0.25	CBSH
PR2006-02	16.25	16.4	E3U	0.15	DC
PR2006-02	16.4	16.6		0.2	CBSH
PR2006-02	16.6	17.15		0.55	R
PR2006-02	17.15	17.45	E3L	0.3	CBSH
PR2006-02	17.45	18.8		1.35	R
PR2006-02	18.8	18.9	E4	0.1	CBSH
PR2006-02	18.9	38.2		19.3	R
PR2006-02	38.2	38.3	F1	0.1	CBSH
PR2006-02	38.3	45.6	F2P	7.3	R
PR2006-02	45.6	45.85	F2P	0.25	CBSH
PR2006-02	45.85	46.2	F2	0.35	C
PR2006-02	46.2	46.35		0.15	R
PR2006-02	46.35	55.8	WV_CG	9.45	R
PR2006-02	55.8	60.5	WSS	4.7	R
PR2006-02	60.5	60.95	G1	0.45	CBSH
PR2006-02	60.95	74.9		13.95	R
PR2006-02	74.9	75.1		0.2	CBSH
PR2006-02	75.1	75.75	G	0.65	C
PR2006-02	75.75	75.95	GJPT	0.2	CBSH
PR2006-02	75.95	85.55	GJPT	9.6	R
PR2006-02	85.55	85.75	GJPT	0.2	CBSH
PR2006-02	85.75	87.55	J1	1.8	C
PR2006-02	87.55	89.22	J2U	1.67	C
PR2006-02	89.22	89.32	J2LP	0.1	CR
PR2006-02	89.32	89.62	J2L	0.3	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-02	89.62	90.5	J2L	0.88	C
PR2006-02	90.5	90.75	J3P	0.25	CR
PR2006-02	90.75	91	J3P	0.25	R
PR2006-02	91	91.3	J3P	0.3	CBSH
PR2006-02	91.3	91.73	J3P	0.43	R
PR2006-02	91.73	91.95	J3P	0.22	CBSH
PR2006-02	91.95	93.3	J3	1.35	C
PR2006-02	93.3	93.5		0.2	CBSH
PR2006-02	93.5	94.08		0.58	R
PR2006-02	94.08	122.2	QUINTETTE	28.12	R
PR2006-02	122.2	138.68	MEDIAL_SILT	16.48	R
PR2006-03	0	0.8	DRIFT	0.8	DRIFT
PR2006-03	0.8	7.45	FT_MT_CG	6.65	R
PR2006-03	7.45	8.1		0.65	R
PR2006-03	8.1	8.25	E0	0.15	CBSH
PR2006-03	8.25	17.38		9.13	R
PR2006-03	17.38	17.6	E2U	0.22	DC
PR2006-03	17.6	17.85	E2L	0.25	C
PR2006-03	17.85	18.07		0.22	CR
PR2006-03	18.07	19.48		1.41	R
PR2006-03	19.48	19.69		0.21	CBSH
PR2006-03	19.69	19.85	E3U	0.16	DC
PR2006-03	19.85	20.07		0.22	CBSH
PR2006-03	20.07	21.35		1.28	R
PR2006-03	21.35	21.6	E3L	0.25	CBSH
PR2006-03	21.6	28.35		6.75	R
PR2006-03	28.35	28.9	E4	0.55	CBSH
PR2006-03	28.9	39.98		11.08	R
PR2006-03	39.98	40.1		0.12	CBSH
PR2006-03	40.1	41.7		1.6	R
PR2006-03	41.7	41.93		0.23	CBSH
PR2006-03	41.93	42.21	F1	0.28	DC
PR2006-03	42.21	42.3	F2P	0.09	CR
PR2006-03	42.3	42.74	F2P	0.44	CBSH
PR2006-03	42.74	45.45	F2P	2.71	R
PR2006-03	45.45	45.68	F2P	0.23	CBSH
PR2006-03	45.68	45.91	F2	0.23	C
PR2006-03	45.91	46.1		0.19	CBSH
PR2006-03	46.1	54.85	WV_CG	8.75	R
PR2006-03	54.85	57.95	WSS	3.1	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-03	57.95	58.14		0.19	CBSH
PR2006-03	58.14	58.47	G1	0.33	C
PR2006-03	58.47	58.72		0.25	CBSH
PR2006-03	58.72	58.88		0.16	R
PR2006-03	58.88	59.23		0.35	CBSH
PR2006-03	59.23	62.65		3.42	R
PR2006-03	62.65	62.85		0.2	CBSH
PR2006-03	62.85	71.2		8.35	R
PR2006-03	71.2	71.86	G	0.66	C
PR2006-03	71.86	72.05	GJPT	0.19	CBSH
PR2006-03	72.05	85.14	GJPT	13.09	R
PR2006-03	85.14	85.3	GJPT	0.16	CBSH
PR2006-03	85.3	86.45	J1	1.15	C
PR2006-03	86.45	86.53	J2U	0.08	DC
PR2006-03	86.53	86.62	J2U	0.09	C
PR2006-03	86.62	86.73	J2U	0.11	DC
PR2006-03	86.73	86.89	J2U	0.16	C
PR2006-03	86.89	87	J2U	0.11	DC
PR2006-03	87	87.58	J2U	0.58	C
PR2006-03	87.58	87.68	J2U	0.1	DC
PR2006-03	87.68	88.6	J2U	0.92	C
PR2006-03	88.6	88.88	J3P	0.28	FAULT
PR2006-03	88.88	89.4	J3P	0.52	R
PR2006-03	89.4	89.65	J3P	0.25	CBSH
PR2006-03	89.65	91.52	J3	1.87	C
PR2006-03	91.52	91.74		0.22	CBSH
PR2006-03	91.74	121.6	QUINTETTE	29.86	R
PR2006-03	121.6	138.25	MEDIAL_SILT	16.65	R
PR2006-04	0	0.8	DRIFT	0.8	DRIFT
PR2006-04	0.8	3.6		2.8	R
PR2006-04	3.6	4.45	C	0.85	CBSH
PR2006-04	4.45	10.2		5.75	R
PR2006-04	10.2	20.4	FSS	10.2	R
PR2006-04	20.4	43.6	FT_MT_CG	23.2	R
PR2006-04	43.6	46.37		2.77	R
PR2006-04	46.37	46.58	E1	0.21	CBSH
PR2006-04	46.58	48.42		1.84	R
PR2006-04	48.42	48.57	E2U	0.15	CBSH
PR2006-04	48.57	48.7	E2LP	0.13	R
PR2006-04	48.7	49	E2L	0.3	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-04	49	49.2		0.2	CBSH
PR2006-04	49.2	51.22		2.02	R
PR2006-04	51.22	51.46	E3U	0.24	CBSH
PR2006-04	51.46	71.15		19.69	R
PR2006-04	71.15	71.2		0.05	FAULT
PR2006-04	71.2	75.5		4.3	R
PR2006-04	75.5	75.98	F1	0.48	CR
PR2006-04	75.98	79.58	F2P	3.6	R
PR2006-04	79.58	79.97	F2	0.39	C
PR2006-04	79.97	80.13		0.16	CR
PR2006-04	80.13	98.35	WV_CG	18.22	R
PR2006-04	98.35	98.84	G1	0.49	DC
PR2006-04	98.84	99.15		0.31	CR
PR2006-04	99.15	99.3		0.15	CBSH
PR2006-04	99.3	113.83		14.53	R
PR2006-04	113.83	114.11		0.28	CBSH
PR2006-04	114.11	114.91	G	0.8	C
PR2006-04	114.91	115.06	GJPT	0.15	CBSH
PR2006-04	115.06	123.25	GJPT	8.19	R
PR2006-04	123.25	123.3	J2LP	0.05	FAULT
PR2006-04	123.3	123.35	J2LP	0.05	R
PR2006-04	123.35	124.16	J2L	0.81	C
PR2006-04	124.16	124.4	J3P	0.24	CR
PR2006-04	124.4	124.8	J3P	0.4	R
PR2006-04	124.8	124.98	J3P	0.18	CR
PR2006-04	124.98	126.3	J3	1.32	C
PR2006-04	126.3	126.49		0.19	CBSH
PR2006-04	126.49	127.2		0.71	R
PR2006-04	127.2	136.24	QUINTETTE	9.04	R
PR2006-05	0	2.4	DRIFT	2.4	DRIFT
PR2006-05	2.4	4.1		1.7	R
PR2006-05	4.1	34.54	ARMAND	30.44	R
PR2006-05	34.54	34.79		0.25	CR
PR2006-05	34.79	35.1	C	0.31	C
PR2006-05	35.1	35.32		0.22	CBSH
PR2006-05	35.32	41.9		6.58	R
PR2006-05	41.9	50.85	FSS	8.95	R
PR2006-05	50.85	68.1	FT_MT_CG	17.25	R
PR2006-05	68.1	69		0.9	R
PR2006-05	69	69.2	E0	0.2	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-05	69.2	78.6		9.4	R
PR2006-05	78.6	78.75	E1	0.15	CBSH
PR2006-05	78.75	80.2		1.45	R
PR2006-05	80.2	80.44		0.24	CBSH
PR2006-05	80.44	80.5	E2U	0.06	DC
PR2006-05	80.5	80.8	E2L	0.3	C
PR2006-05	80.8	81		0.2	CBSH
PR2006-05	81	82.6		1.6	R
PR2006-05	82.6	82.82		0.22	CBSH
PR2006-05	82.82	83.08	E3U	0.26	C
PR2006-05	83.08	83.25		0.17	CR
PR2006-05	83.25	84.3		1.05	R
PR2006-05	84.3	84.49	E3L	0.19	CBSH
PR2006-05	84.49	101.9		17.41	R
PR2006-05	101.9	102.28		0.38	CBSH
PR2006-05	102.28	103.67		1.39	R
PR2006-05	103.67	103.9		0.23	CBSH
PR2006-05	103.9	104.08	F1	0.18	DC
PR2006-05	104.08	104.27	F2P	0.19	CR
PR2006-05	104.27	104.46	F2P	0.19	CBSH
PR2006-05	104.46	106.81	F2P	2.35	R
PR2006-05	106.81	107.05	F2P	0.24	CBSH
PR2006-05	107.05	107.2	F2	0.15	DC
PR2006-05	107.2	107.4		0.2	CBSH
PR2006-05	107.4	120.4	WV_CG	13	R
PR2006-05	120.4	120.6		0.2	CBSH
PR2006-05	120.6	121.13	G1	0.53	C
PR2006-05	121.13	121.4	G1	0.27	DC
PR2006-05	121.4	121.52		0.12	CBSH
PR2006-05	121.52	125.2		3.68	R
PR2006-05	125.2	125.54		0.34	CBSH
PR2006-05	125.54	135.25		9.71	R
PR2006-05	135.25	135.41		0.16	CBSH
PR2006-05	135.41	136.29	G	0.88	C
PR2006-05	136.29	136.45	GJPT	0.16	CBSH
PR2006-05	136.45	144.4	GJPT	7.95	R
PR2006-05	144.4	145.53	J1	1.13	C
PR2006-05	145.53	145.65	J2U	0.12	DC
PR2006-05	145.65	146.16	J2U	0.51	C
PR2006-05	146.16	146.28	J2U	0.12	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-05	146.28	147.87	J2U	1.59	C
PR2006-05	147.87	148	J2LP	0.13	CR
PR2006-05	148	148.25	J2L	0.25	DC
PR2006-05	148.25	149.08	J2L	0.83	C
PR2006-05	149.08	149.33	J3P	0.25	CR
PR2006-05	149.33	149.88	J3P	0.55	R
PR2006-05	149.88	150.1	J3P	0.22	CBSH
PR2006-05	150.1	152.3	J3	2.2	C
PR2006-05	152.3	152.49		0.19	CR
PR2006-05	152.49	153		0.51	R
PR2006-05	153	162.44	QUINTETTE	9.44	R
PR2006-06	0	1.8	DRIFT	1.8	DRIFT
PR2006-06	1.8	7		5.2	R
PR2006-06	7	43.1	ARMAND	36.1	R
PR2006-06	43.1	43.8		0.7	R
PR2006-06	43.8	44.1		0.3	CR
PR2006-06	44.1	44.27	C	0.17	C
PR2006-06	44.27	44.5	C	0.23	DC
PR2006-06	44.5	44.7		0.2	CBSH
PR2006-06	44.7	48.48		3.78	R
PR2006-06	48.48	48.68		0.2	CBSH
PR2006-06	48.68	52.2		3.52	R
PR2006-06	52.2	63.7	FSS	11.5	R
PR2006-06	63.7	88	FT_MT_CG	24.3	R
PR2006-06	88	88.2		0.2	R
PR2006-06	88.2	88.8	E0	0.6	CR
PR2006-06	88.8	89.2		0.4	CBSH
PR2006-06	89.2	96.06		6.86	R
PR2006-06	96.06	96.25	E2U	0.19	CR
PR2006-06	96.25	96.62	E2L	0.37	C
PR2006-06	96.62	96.86	E3P	0.24	CBSH
PR2006-06	96.86	99	E3P	2.14	R
PR2006-06	99	99.25	E3P	0.25	CBSH
PR2006-06	99.25	99.4	E3U	0.15	C
PR2006-06	99.4	99.5	E3U	0.1	DC
PR2006-06	99.5	99.7		0.2	CBSH
PR2006-06	99.7	100.9		1.2	R
PR2006-06	100.9	101.25	E3L	0.35	CBSH
PR2006-06	101.25	121.41		20.16	R
PR2006-06	121.41	121.81		0.4	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-06	121.81	123.89		2.08	R
PR2006-06	123.89	124.05	F1	0.16	DC
PR2006-06	124.05	124.27	F1	0.22	CR
PR2006-06	124.27	124.85	F2P	0.58	CBSH
PR2006-06	124.85	127.27	F2P	2.42	R
PR2006-06	127.27	127.48	F2P	0.21	CBSH
PR2006-06	127.48	127.7	F2	0.22	C
PR2006-06	127.7	127.85	F2	0.15	DC
PR2006-06	127.85	128.05		0.2	CBSH
PR2006-06	128.05	141.7	WV_CG	13.65	R
PR2006-06	141.7	141.8	WSS	0.1	R
PR2006-06	141.8	142.02		0.22	CBSH
PR2006-06	142.02	142.35	G1	0.33	C
PR2006-06	142.35	142.7	G1	0.35	DC
PR2006-06	142.7	142.95		0.25	CBSH
PR2006-06	142.95	158.7		15.75	R
PR2006-06	158.7	158.9		0.2	CBSH
PR2006-06	158.9	159.94	G	1.04	C
PR2006-06	159.94	160.16	GJPT	0.22	CBSH
PR2006-06	160.16	166.8	GJPT	6.64	R
PR2006-06	166.8	168.28	J1	1.48	C
PR2006-06	168.28	168.44	J2U	0.16	DC
PR2006-06	168.44	169.89	J2U	1.45	C
PR2006-06	169.89	170.08	J2U	0.19	DC
PR2006-06	170.08	170.87	J2U	0.79	C
PR2006-06	170.87	171.05	J2U	0.18	DC
PR2006-06	171.05	171.47	J2LP	0.42	CR
PR2006-06	171.48	172.58	J2L	1.1	C
PR2006-06	172.58	172.76	J2L	0.18	DC
PR2006-06	172.76	173.05	J3P	0.29	CBSH
PR2006-06	173.05	173.79	J3P	0.74	R
PR2006-06	173.79	176.02	J3	2.23	C
PR2006-06	176.02	176.2	J3	0.18	DC
PR2006-06	176.2	176.8		0.6	R
PR2006-06	176.8	180.75	QUINTETTE	3.95	R
PR2006-07	0	1.6	DRIFT	1.6	DRIFT
PR2006-07	1.6	13.85	FT_MT_CG	12.25	R
PR2006-07	13.85	15.85		2	R
PR2006-07	15.85	16.15	E0	0.3	CBSH
PR2006-07	16.15	21.15		5	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-07	21.15	21.95	E1	0.8	CBSH
PR2006-07	21.95	24.35		2.4	R
PR2006-07	24.35	24.75		0.4	CBSH
PR2006-07	24.75	24.92	E2U	0.17	DC
PR2006-07	24.92	25.02	E2LP	0.1	CR
PR2006-07	25.02	25.3	E2L	0.28	C
PR2006-07	25.3	25.53	E3P	0.23	CBSH
PR2006-07	25.53	27.47	E3P	1.94	R
PR2006-07	27.47	27.65	E3P	0.18	CBSH
PR2006-07	27.65	27.85	E3U	0.2	DC
PR2006-07	27.85	28		0.15	CBSH
PR2006-07	28	52.65		24.65	R
PR2006-07	52.65	53	F1	0.35	CR
PR2006-07	53	53.45	F2P	0.45	CBSH
PR2006-07	53.45	55.8	F2P	2.35	R
PR2006-07	55.8	56.1	F2P	0.3	CBSH
PR2006-07	56.1	56.35	F2	0.25	DC
PR2006-07	56.35	56.6		0.25	CBSH
PR2006-07	56.6	61.7	WV_CG	5.1	R
PR2006-07	61.7	64.92	WSS	3.22	R
PR2006-07	64.92	65.35		0.43	R
PR2006-07	65.35	65.6		0.25	CBSH
PR2006-07	65.6	66.1	G1	0.5	C
PR2006-07	66.1	66.38		0.28	CR
PR2006-07	66.38	66.7		0.32	CBSH
PR2006-07	66.7	78.95		12.25	R
PR2006-07	78.95	79.28		0.33	CBSH
PR2006-07	79.28	79.7	G	0.42	C
PR2006-07	79.7	80.08	GJPT	0.38	CBSH
PR2006-07	80.08	90.42	GJPT	10.34	R
PR2006-07	90.42	90.62	GJPT	0.2	CBSH
PR2006-07	90.62	91.69	J1	1.07	C
PR2006-07	91.69	91.8	J2U	0.11	DC
PR2006-07	91.8	92.47	J2U	0.67	C
PR2006-07	92.47	92.67	J2U	0.2	DC
PR2006-07	92.67	93.57	J2U	0.9	C
PR2006-07	93.57	93.7	J2L	0.13	DC
PR2006-07	93.7	94.55	J2L	0.85	C
PR2006-07	94.55	94.82	J3P	0.27	CBSH
PR2006-07	94.82	95.45	J3P	0.63	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-07	95.45	95.53	J3	0.08	DC
PR2006-07	95.53	97.31	J3	1.78	C
PR2006-07	97.31	97.5		0.19	CBSH
PR2006-07	97.5	97.91		0.41	R
PR2006-07	97.91	118.9	QUINTETTE	20.99	R
PR2006-07	118.9	122.6	MEDIAL_SILT	3.7	R
PR2006-08	0	2.55	DRIFT	2.55	DRIFT
PR2006-08	2.55	17.75	FT_MT_CG	15.2	R
PR2006-08	17.75	18.1	D	0.35	CBSH
PR2006-08	18.1	20.05		1.95	R
PR2006-08	20.05	21	E0	0.95	CBSH
PR2006-08	21	27.8		6.8	R
PR2006-08	27.8	28.7	E1	0.9	CBSH
PR2006-08	28.7	31.02		2.32	R
PR2006-08	31.02	31.2		0.18	CR
PR2006-08	31.2	31.3		0.1	R
PR2006-08	31.3	31.5	E2U	0.2	DC
PR2006-08	31.5	31.65	E2LP	0.15	R
PR2006-08	31.65	31.87	E2L	0.22	DC
PR2006-08	31.87	32.6	E2L	0.73	C
PR2006-08	32.6	36.29	E3P	3.69	R
PR2006-08	36.29	36.55	E3P	0.26	CBSH
PR2006-08	36.55	36.72	E3U	0.17	C
PR2006-08	36.72	37		0.28	CBSH
PR2006-08	37	66.47		29.47	R
PR2006-08	66.47	66.61		0.14	CBSH
PR2006-08	66.61	68.67		2.06	R
PR2006-08	68.67	68.9		0.23	CBSH
PR2006-08	68.9	69.16	F1	0.26	DC
PR2006-08	69.16	69.3	F2P	0.14	CR
PR2006-08	69.3	69.53	F2P	0.23	CBSH
PR2006-08	69.53	69.7	F2P	0.17	R
PR2006-08	69.7	69.9	F2P	0.2	CBSH
PR2006-08	69.9	72.6	F2P	2.7	R
PR2006-08	72.6	72.85	F2P	0.25	CBSH
PR2006-08	72.85	73.03	F2	0.18	C
PR2006-08	73.03	73.3		0.27	CR
PR2006-08	73.3	73.7		0.4	R
PR2006-08	73.7	74.25		0.55	CBSH
PR2006-08	74.25	74.35		0.1	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-08	74.35	82.5	WV_CG	8.15	R
PR2006-08	82.5	82.7		0.2	CBSH
PR2006-08	82.7	83.29	G1	0.59	C
PR2006-08	83.29	83.55		0.26	CR
PR2006-08	83.55	88.65		5.1	R
PR2006-08	88.65	89.05		0.4	CBSH
PR2006-08	89.05	100.33		11.28	R
PR2006-08	100.33	100.57		0.24	CBSH
PR2006-08	100.57	101.35	G	0.78	C
PR2006-08	101.35	101.55	G	0.2	DC
PR2006-08	101.55	112.7	GJPT	11.15	R
PR2006-08	112.7	112.9	GJPT	0.2	CR
PR2006-08	112.9	112.98	J1	0.08	DC
PR2006-08	112.98	114.29	J1	1.31	C
PR2006-08	114.29	114.66	J2U	0.37	DC
PR2006-08	114.66	115.27	J2U	0.61	C
PR2006-08	115.27	115.42	J2U	0.15	DC
PR2006-08	115.42	115.99	J2U	0.57	C
PR2006-08	115.99	116.1	J2U	0.11	DC
PR2006-08	116.1	116.26	J2U	0.16	C
PR2006-08	116.26	116.4	J2U	0.14	CR
PR2006-08	116.4	117.37	J2U	0.97	C
PR2006-08	117.37	117.41	J2L	0.04	DC
PR2006-08	117.41	118.83	J2L	1.42	C
PR2006-08	118.83	119.05	J3P	0.22	CR
PR2006-08	119.05	119.1	J3P	0.05	CBSH
PR2006-08	119.1	119.25	J3P	0.15	R
PR2006-08	119.25	119.38	J3P	0.13	CBSH
PR2006-08	119.38	119.73	J3P	0.35	R
PR2006-08	119.73	122.27	J3	2.54	C
PR2006-08	122.27	122.47		0.2	CBSH
PR2006-08	122.47	128.75	QUINTETTE	6.28	R
PR2006-09	0	0.5	DRIFT	0.5	DRIFT
PR2006-09	0.5	2.1	FSS	1.6	R
PR2006-09	2.1	16.55	FT_MT_CG	14.45	R
PR2006-09	16.55	16.7		0.15	R
PR2006-09	16.7	16.8	E0	0.1	CBSH
PR2006-09	16.8	26.4		9.6	R
PR2006-09	26.4	26.5	E2U	0.1	CBSH
PR2006-09	26.5	26.6	E2LP	0.1	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-09	26.6	27.05	E2L	0.45	C
PR2006-09	27.05	27.18	E3P	0.13	CBSH
PR2006-09	27.18	29.6	E3P	2.42	R
PR2006-09	29.6	30.05	E3U	0.45	DC
PR2006-09	30.05	41.25		11.2	R
PR2006-09	41.25	41.8	E4	0.55	CBSH
PR2006-09	41.8	51.28		9.48	R
PR2006-09	51.28	51.45		0.17	CBSH
PR2006-09	51.45	51.61	F1	0.16	C
PR2006-09	51.61	51.73	F1	0.12	DC
PR2006-09	51.73	52.15	F2P	0.42	CBSH
PR2006-09	52.15	54.58	F2P	2.43	R
PR2006-09	54.58	54.78	F2P	0.2	CBSH
PR2006-09	54.78	54.93	F2	0.15	DC
PR2006-09	54.93	55.15		0.22	CBSH
PR2006-09	55.15	57.65	WV_CG	2.5	R
PR2006-09	57.65	58.07	WV_CG	0.42	FAULT
PR2006-09	58.07	61.7	WV_CG	3.63	R
PR2006-09	61.7	68.02	WSS	6.32	R
PR2006-09	68.02	68.22		0.2	CBSH
PR2006-09	68.22	68.54	G1	0.32	C
PR2006-09	68.54	68.8		0.26	CR
PR2006-09	68.8	69.1		0.3	CBSH
PR2006-09	69.1	73.8		4.7	R
PR2006-09	73.8	73.94		0.14	CBSH
PR2006-09	73.94	82.8		8.86	R
PR2006-09	82.8	83.02		0.22	CBSH
PR2006-09	83.02	83.7	G	0.68	C
PR2006-09	83.7	83.9	G	0.2	DC
PR2006-09	83.9	84.05	GJPT	0.15	CBSH
PR2006-09	84.05	93.4	GJPT	9.35	R
PR2006-09	93.4	93.56	GJPT	0.16	CBSH
PR2006-09	93.56	94.82	J1	1.26	C
PR2006-09	94.82	95.03	J1	0.21	DC
PR2006-09	95.03	95.39	J1	0.36	C
PR2006-09	95.39	95.6	J1	0.21	DC
PR2006-09	95.6	95.76	J2P	0.16	CBSH
PR2006-09	95.76	96	J2U	0.24	DC
PR2006-09	96	96.79	J2U	0.79	C
PR2006-09	96.79	97.02	J2U	0.23	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-09	97.02	97.19	J2U	0.17	CR
PR2006-09	97.19	98.4	J2U	1.21	C
PR2006-09	98.4	98.58	J2LP	0.18	CR
PR2006-09	98.58	98.7	J2LP	0.12	DC
PR2006-09	98.7	98.87	J2LP	0.17	CR
PR2006-09	98.87	99.8	J2L	0.93	C
PR2006-09	99.8	100.08	J3P	0.28	CR
PR2006-09	100.08	100.65	J3P	0.57	R
PR2006-09	100.65	100.8	J3P	0.15	CBSH
PR2006-09	100.8	102.92	J3	2.12	C
PR2006-09	102.92	103.1		0.18	CR
PR2006-09	103.1	117.27	QUINTETTE	14.17	R
PR2006-10	0	0.9	DRIFT	0.9	DRIFT
PR2006-10	0.9	4.5	FSS	3.6	R
PR2006-10	4.5	23	FT_MT_CG	18.5	R
PR2006-10	23	23.85	E0	0.85	CBSH
PR2006-10	23.85	27		3.15	R
PR2006-10	27	27.3		0.3	IRST
PR2006-10	27.3	33.77		6.47	R
PR2006-10	33.77	33.86	E2U	0.09	DC
PR2006-10	33.86	34.01	E2LP	0.15	CR
PR2006-10	34.01	34.3	E2L	0.29	C
PR2006-10	34.3	34.55	E3P	0.25	CBSH
PR2006-10	34.55	37.88	E3P	3.33	R
PR2006-10	37.88	38.08	E3P	0.2	CR
PR2006-10	38.08	38.22	E3U	0.14	C
PR2006-10	38.22	38.46		0.24	CBSH
PR2006-10	38.46	52.8		14.34	R
PR2006-10	52.8	53.03	E4	0.23	CBSH
PR2006-10	53.03	63.95		10.92	R
PR2006-10	63.95	64.19		0.24	CBSH
PR2006-10	64.19	64.4	F1	0.21	C
PR2006-10	64.4	64.53	F2P	0.13	CR
PR2006-10	64.53	67.65	F2P	3.12	R
PR2006-10	67.65	67.75	F2P	0.1	CBSH
PR2006-10	67.75	67.95	F2	0.2	DC
PR2006-10	67.95	68.19		0.24	CBSH
PR2006-10	68.19	78.62	WV_CG	10.43	R
PR2006-10	78.62	83.6	WSS	4.98	R
PR2006-10	83.6	83.8	WSS	0.2	FAULT

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-10	83.8	87	WSS	3.2	R
PR2006-10	87	87.18		0.18	CBSH
PR2006-10	87.18	87.75	G1	0.57	C
PR2006-10	87.75	87.93		0.18	CR
PR2006-10	87.93	88.5		0.57	CBSH
PR2006-10	88.5	106.38		17.88	R
PR2006-10	106.38	106.51		0.13	CBSH
PR2006-10	106.51	107.26	G	0.75	C
PR2006-10	107.26	107.55	GJPT	0.29	CBSH
PR2006-10	107.55	115.3	GJPT	7.75	R
PR2006-10	115.3	115.45	GJPT	0.15	CBSH
PR2006-10	115.45	115.55	J1	0.1	DC
PR2006-10	115.55	116.88	J1	1.33	C
PR2006-10	116.88	117	J1	0.12	DC
PR2006-10	117	117.35	J1	0.35	C
PR2006-10	117.35	117.6	J1	0.25	DC
PR2006-10	117.6	117.7	J2P	0.1	CR
PR2006-10	117.7	118.59	J2U	0.89	C
PR2006-10	118.59	118.71	J2U	0.12	DC
PR2006-10	118.71	119.68	J2U	0.97	C
PR2006-10	119.68	120.08	J2L	0.4	CR
PR2006-10	120.08	120.25	J2L	0.17	DC
PR2006-10	120.25	121.2	J2L	0.95	C
PR2006-10	121.2	121.46	J3P	0.26	CR
PR2006-10	121.46	121.85	J3P	0.39	R
PR2006-10	121.85	121.99	J3P	0.14	CBSH
PR2006-10	121.99	122.1	J3P	0.11	R
PR2006-10	122.1	122.2	J3P	0.1	CBSH
PR2006-10	122.2	124.99	J3	2.79	C
PR2006-10	124.99	125.07	J3	0.08	DC
PR2006-10	125.07	125.25		0.18	CBSH
PR2006-10	125.25	150.8	QUINTETTE	25.55	R
PR2006-10	150.8	168.29	MEDIAL_SILT	17.49	R
PR2006-11	0	1.6	DRIFT	1.6	DRIFT
PR2006-11	1.6	7.3		5.7	R
PR2006-11	7.3	7.66	E1	0.36	CBSH
PR2006-11	7.66	10.46		2.8	R
PR2006-11	10.46	10.69	E2U	0.23	DC
PR2006-11	10.69	11.46	E2L	0.77	C
PR2006-11	11.46	11.68	E3P	0.22	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-11	11.68	14.61	E3P	2.93	R
PR2006-11	14.61	14.82	E3P	0.21	CBSH
PR2006-11	14.82	18.13	E3P	3.31	R
PR2006-11	18.13	18.4	E3P	0.27	CR
PR2006-11	18.4	18.82	E3U	0.42	C
PR2006-11	18.82	19.08		0.26	CR
PR2006-11	19.08	23.38		4.3	R
PR2006-11	23.38	23.5	E3L	0.12	CBSH
PR2006-11	23.5	32.4		8.9	R
PR2006-11	32.4	32.52	E4	0.12	CBSH
PR2006-11	32.52	32.63	E4	0.11	R
PR2006-11	32.63	33	E4	0.37	CBSH
PR2006-11	33	43.6		10.6	R
PR2006-11	43.6	43.8		0.2	CBSH
PR2006-11	43.8	44.17	F1	0.37	C
PR2006-11	44.17	44.37	F2P	0.2	CR
PR2006-11	44.37	44.56	F2P	0.19	CBSH
PR2006-11	44.56	44.74	F2P	0.18	R
PR2006-11	44.74	45	F2P	0.26	CBSH
PR2006-11	45	47.29	F2P	2.29	R
PR2006-11	47.29	47.49	F2P	0.2	CBSH
PR2006-11	47.49	47.69	F2	0.2	DC
PR2006-11	47.69	47.94		0.25	CBSH
PR2006-11	47.94	58.98	WV_CG	11.04	R
PR2006-11	58.98	64.47	WSS	5.49	R
PR2006-11	64.47	64.65		0.18	R
PR2006-11	64.65	64.9		0.25	CBSH
PR2006-11	64.9	65.35	G1	0.45	C
PR2006-11	65.35	65.44	G1	0.09	DC
PR2006-11	65.44	65.69		0.25	CBSH
PR2006-11	65.69	65.84		0.15	R
PR2006-11	65.84	66.15		0.31	CBSH
PR2006-11	66.15	81.35		15.2	R
PR2006-11	81.35	81.58		0.23	CBSH
PR2006-11	81.58	82.41	G	0.83	C
PR2006-11	82.41	82.54	G	0.13	CR
PR2006-11	82.54	82.66	G	0.12	DC
PR2006-11	82.66	82.89	GJPT	0.23	CBSH
PR2006-11	82.89	95.75	GJPT	12.86	R
PR2006-11	95.75	96	GJPT	0.25	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-11	96	97.34	J1	1.34	C
PR2006-11	97.34	97.49	J2U	0.15	DC
PR2006-11	97.49	98.08	J2U	0.59	C
PR2006-11	98.08	98.2	J2U	0.12	DC
PR2006-11	98.2	98.7	J2U	0.5	C
PR2006-11	98.7	98.88	J2U	0.18	DC
PR2006-11	98.88	99.81	J2U	0.93	C
PR2006-11	99.81	100.26	J2L	0.45	DC
PR2006-11	100.26	101.27	J2L	1.01	C
PR2006-11	101.27	101.42	J3P	0.15	CBSH
PR2006-11	101.42	101.75	J3P	0.33	R
PR2006-11	101.75	102.18	J3P	0.43	CBSH
PR2006-11	102.18	105.05	J3	2.87	C
PR2006-11	105.05	105.25		0.2	CR
PR2006-11	105.25	112.32	QUINTETTE	7.07	R
PR2006-12	0	0.9	DRIFT	0.9	DRIFT
PR2006-12	0.9	5		4.1	R
PR2006-12	5	5.1		0.1	CBSH
PR2006-12	5.1	5.15	E2U	0.05	DC
PR2006-12	5.15	5.68	E2L	0.53	C
PR2006-12	5.68	5.8	E2L	0.12	DC
PR2006-12	5.8	5.92	E3P	0.12	CR
PR2006-12	5.92	11.58	E3P	5.66	R
PR2006-12	11.58	11.65	E3U	0.07	C
PR2006-12	11.65	11.8		0.15	CR
PR2006-12	11.8	11.9		0.1	CBSH
PR2006-12	11.9	17.05		5.15	R
PR2006-12	17.05	17.2	E3L	0.15	CBSH
PR2006-12	17.2	22.7		5.5	R
PR2006-12	22.7	22.88	E4	0.18	CBSH
PR2006-12	22.88	30.95		8.07	R
PR2006-12	30.95	31.11		0.16	CBSH
PR2006-12	31.11	31.29	F1	0.18	C
PR2006-12	31.29	31.49	F2P	0.2	CR
PR2006-12	31.49	31.71	F2P	0.22	CBSH
PR2006-12	31.71	33.32	F2P	1.61	R
PR2006-12	33.32	33.55	F2P	0.23	CBSH
PR2006-12	33.55	33.74	F2	0.19	DC
PR2006-12	33.74	33.95		0.21	CBSH
PR2006-12	33.95	34.09		0.14	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-12	34.09	42.65	WV_CG	8.56	R
PR2006-12	42.65	48.13	WSS	5.48	R
PR2006-12	48.13	48.35		0.22	CBSH
PR2006-12	48.35	48.48	G1	0.13	C
PR2006-12	48.48	48.63	G1	0.15	DC
PR2006-12	48.63	48.8		0.17	CBSH
PR2006-12	48.8	60.92		12.12	R
PR2006-12	60.92	61.11		0.19	CBSH
PR2006-12	61.11	61.65	G	0.54	C
PR2006-12	61.65	62.03	G	0.38	DC
PR2006-12	62.03	62.25	GJPT	0.22	CBSH
PR2006-12	62.25	74.85	GJPT	12.6	R
PR2006-12	74.85	74.95	GJPT	0.1	CBSH
PR2006-12	74.95	75.03	J1	0.08	DC
PR2006-12	75.03	76.28	J1	1.25	C
PR2006-12	76.28	76.39	J2U	0.11	DC
PR2006-12	76.39	77.5	J2U	1.11	C
PR2006-12	77.5	77.6	J2U	0.1	DC
PR2006-12	77.6	78.41	J2U	0.81	C
PR2006-12	78.41	78.65	J2L	0.24	DC
PR2006-12	78.65	79.65	J2L	1	C
PR2006-12	79.65	79.74	J2L	0.09	DC
PR2006-12	79.74	79.92	J2L	0.18	C
PR2006-12	79.92	80.09	J3P	0.17	CR
PR2006-12	80.09	80.46	J3P	0.37	R
PR2006-12	80.46	80.75	J3P	0.29	CBSH
PR2006-12	80.75	82.83	J3	2.08	C
PR2006-12	82.83	83.05	J3	0.22	CBSH
PR2006-12	83.05	100.12	QUINTETTE	17.07	R
PR2006-13	0	2.6	DRIFT	2.6	DRIFT
PR2006-13	2.6	2.8		0.2	R
PR2006-13	2.8	3	E1	0.2	CBSH
PR2006-13	3	5.7		2.7	R
PR2006-13	5.7	5.88	E2U	0.18	CBSH
PR2006-13	5.88	6.2	E2L	0.32	C
PR2006-13	6.2	8.05	E3P	1.85	R
PR2006-13	8.05	8.15	E3U	0.1	CBSH
PR2006-13	8.15	8.25	E3U	0.1	R
PR2006-13	8.25	8.35	E3U	0.1	CBSH
PR2006-13	8.35	17.85		9.5	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-13	17.85	18	E4	0.15	CBSH
PR2006-13	18	18.15	E4	0.15	R
PR2006-13	18.15	18.3	E4	0.15	CBSH
PR2006-13	18.3	30.4		12.1	R
PR2006-13	30.4	30.55	F1	0.15	C
PR2006-13	30.55	30.8	F1	0.25	DC
PR2006-13	30.8	31.2		0.4	CBSH
PR2006-13	31.2	31.3		0.1	CR
PR2006-13	31.3	31.5		0.2	CBSH
PR2006-13	31.5	34.3		2.8	R
PR2006-13	34.3	34.5		0.2	CR
PR2006-13	34.5	34.7	F2	0.2	DC
PR2006-13	34.7	34.85	F2	0.15	CR
PR2006-13	34.85	35.25	F2	0.4	DC
PR2006-13	35.25	35.55		0.3	R
PR2006-13	35.55	47	WV_CG	11.45	R
PR2006-13	47	47.25	WSS	0.25	R
PR2006-13	47.25	47.6		0.35	CR
PR2006-13	47.6	48	G1	0.4	C
PR2006-13	48	48.2		0.2	CR
PR2006-13	48.2	49.3		1.1	CBSH
PR2006-13	49.3	65.5		16.2	R
PR2006-13	65.5	65.75		0.25	CBSH
PR2006-13	65.75	66.12	G	0.37	C
PR2006-13	66.12	66.22	G	0.1	DC
PR2006-13	66.22	66.32	G	0.1	C
PR2006-13	66.32	66.6	GJPT	0.28	CBSH
PR2006-13	66.6	83.5	GJPT	16.9	R
PR2006-13	83.5	83.7	GJPT	0.2	R
PR2006-13	83.7	84.6	GJPT	0.9	R
PR2006-13	84.6	84.75	J1	0.15	DC
PR2006-13	84.75	85.35	J1	0.6	C
PR2006-13	85.35	85.6	J1	0.25	DC
PR2006-13	85.6	85.85	J1	0.25	CBSH
PR2006-13	85.85	86	J1	0.15	DC
PR2006-13	86	86.15	J2P	0.15	CR
PR2006-13	86.15	86.3	J2U	0.15	DC
PR2006-13	86.3	86.65	J2U	0.35	C
PR2006-13	86.65	86.8		0.15	FAULT
PR2006-13	86.8	118.1	QUINTETTE	31.3	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-13	118.1	144	MEDIAL_SILT	25.9	R
PR2006-13	144	144.15	MEDIAL_SILT	0.15	R
PR2006-13	144.15	144.4	MEDIAL_SILT	0.25	ASH
PR2006-13	144.4	145.05	MEDIAL_SILT	0.65	CBSH
PR2006-13	145.05	157.65	TORRENS	12.6	R
PR2006-13	157.65	170.38	SPIEKER	12.73	R
PR2006-14	0	2.15	DRIFT	2.15	DRIFT
PR2006-14	2.15	3		0.85	R
PR2006-14	3	3.3	E2U	0.3	CBSH
PR2006-14	3.3	3.5	E2LP	0.2	R
PR2006-14	3.5	3.7	E2L	0.2	CBSH
PR2006-14	3.7	5.55	E3P	1.85	R
PR2006-14	5.55	5.8	E3U	0.25	CBSH
PR2006-14	5.8	7.4		1.6	R
PR2006-14	7.4	7.5	E3L	0.1	CBSH
PR2006-14	7.5	10.85		3.35	R
PR2006-14	10.85	11	E4	0.15	CBSH
PR2006-14	11	11.1	E4	0.1	R
PR2006-14	11.1	11.35	E4	0.25	CBSH
PR2006-14	11.35	19.4		8.05	R
PR2006-14	19.4	19.51		0.11	CBSH
PR2006-14	19.51	19.69		0.18	R
PR2006-14	19.69	20.01	F1	0.32	C
PR2006-14	20.01	20.2	F2P	0.19	CBSH
PR2006-14	20.2	20.35	F2P	0.15	CR
PR2006-14	20.35	20.51	F2P	0.16	R
PR2006-14	20.51	20.76	F2P	0.25	CBSH
PR2006-14	20.76	22.73	F2P	1.97	R
PR2006-14	22.73	22.88	F2P	0.15	CBSH
PR2006-14	22.88	23	F2P	0.12	R
PR2006-14	23	23.15	F2	0.15	C
PR2006-14	23.15	23.3	F2	0.15	DC
PR2006-14	23.3	23.4		0.1	CBSH
PR2006-14	23.4	23.6		0.2	CR
PR2006-14	23.6	23.88		0.28	R
PR2006-14	23.88	33.57	WV_CG	9.69	R
PR2006-14	33.57	33.68		0.11	CR
PR2006-14	33.68	34	G1	0.32	DC
PR2006-14	34	34.22		0.22	CR
PR2006-14	34.22	34.4		0.18	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-14	34.4	34.54		0.14	CBSH
PR2006-14	34.54	47.15		12.61	R
PR2006-14	47.15	47.41		0.26	CBSH
PR2006-14	47.41	48	G	0.59	C
PR2006-14	48	48.12	GJPT	0.12	R
PR2006-14	48.12	48.28	GJPT	0.16	CBSH
PR2006-14	48.28	62.3	GJPT	14.02	R
PR2006-14	62.3	62.48	GJPT	0.18	CBSH
PR2006-14	62.48	64.39	J1	1.91	C
PR2006-14	64.39	64.48	J2U	0.09	DC
PR2006-14	64.48	66.02	J2U	1.54	C
PR2006-14	66.02	67.6	J2L	1.58	C
PR2006-14	67.6	67.78	J3P	0.18	R
PR2006-14	67.78	67.89	J3P	0.11	DC
PR2006-14	67.89	68.09	J3P	0.2	CBSH
PR2006-14	68.09	72.09	J3	4	C
PR2006-14	72.09	72.2	J3	0.11	CR
PR2006-14	72.2	72.35	J3	0.15	DC
PR2006-14	72.35	82.8	QUINTETTE	10.45	R
PR2006-15	0	0.7	DRIFT	0.7	DRIFT
PR2006-15	0.7	11.2	COWMOOSE	10.5	R
PR2006-15	11.2	11.5	COWMOOSE	0.3	FAULT
PR2006-15	11.5	72.4	COWMOOSE	60.9	R
PR2006-15	72.4	72.5	COWMOOSE	0.1	ASH
PR2006-15	72.5	79.94	COWMOOSE	7.44	R
PR2006-16	0	8.2	DRIFT	8.2	DRIFT
PR2006-16	8.2	12.25	ARMAND	4.05	R
PR2006-16	12.25	12.45		0.2	CBSH
PR2006-16	12.45	12.6		0.15	CR
PR2006-16	12.6	20.6		8	R
PR2006-16	20.6	20.83		0.23	CR
PR2006-16	20.83	21	C	0.17	C
PR2006-16	21	21.2		0.2	CBSH
PR2006-16	21.2	24.55		3.35	R
PR2006-16	24.55	24.6		0.05	FAULT
PR2006-16	24.6	24.87		0.27	R
PR2006-16	24.87	25.22	C	0.35	C
PR2006-16	25.22	25.4		0.18	CBSH
PR2006-16	25.4	33.78		8.38	R
PR2006-16	33.78	39.75	FSS	5.97	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-16	39.75	44.18	FT_MT_CG	4.43	R
PR2006-16	44.18	44.5		0.32	R
PR2006-16	44.5	44.81	D	0.31	CBSH
PR2006-16	44.81	45.27	D	0.46	R
PR2006-16	45.27	45.37	D	0.1	CBSH
PR2006-16	45.37	46.08		0.71	R
PR2006-16	46.08	46.49	E0	0.41	CBSH
PR2006-16	46.49	58		11.51	R
PR2006-16	58	58.41	E2U	0.41	CBSH
PR2006-16	58.41	62	E2LP	3.59	R
PR2006-16	62	63.02	E2L	1.02	C
PR2006-16	63.02	63.25	E2L	0.23	DC
PR2006-16	63.25	63.48	E3P	0.23	CBSH
PR2006-16	63.48	65.43	E3P	1.95	R
PR2006-16	65.43	65.67	E3P	0.24	CBSH
PR2006-16	65.67	65.85	E3U	0.18	CR
PR2006-16	65.85	66.47		0.62	CBSH
PR2006-16	66.47	68.35		1.88	R
PR2006-16	68.35	68.58		0.23	CBSH
PR2006-16	68.58	68.76		0.18	CR
PR2006-16	68.76	69	E3L	0.24	DC
PR2006-16	69	69.2		0.2	CBSH
PR2006-16	69.2	75.33		6.13	R
PR2006-16	75.33	75.6	E4	0.27	CBSH
PR2006-16	75.6	82.73		7.13	R
PR2006-16	82.73	83	F1	0.27	DC
PR2006-16	83	83.33	F1	0.33	C
PR2006-16	83.33	83.92	F1	0.59	DC
PR2006-16	83.92	84.1	F2P	0.18	CR
PR2006-16	84.1	84.8	F2P	0.7	CBSH
PR2006-16	84.8	88.2	F2P	3.4	R
PR2006-16	88.2	89.26	F2P	1.06	CBSH
PR2006-16	89.26	89.45	F2P	0.19	CR
PR2006-16	89.45	89.55	F2P	0.1	CBSH
PR2006-16	89.55	89.7	F2P	0.15	CR
PR2006-16	89.7	89.89	F2	0.19	DC
PR2006-16	89.89	90.09	F2	0.2	C
PR2006-16	90.09	90.24	F2	0.15	DC
PR2006-16	90.24	90.38	F2	0.14	C
PR2006-16	90.38	90.52	F2	0.14	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-16	90.52	90.7	F2	0.18	C
PR2006-16	90.7	91		0.3	CBSH
PR2006-16	91	95.8	WV_CG	4.8	R
PR2006-16	95.8	95.92		0.12	FAULT
PR2006-16	95.92	96.17		0.25	CBSH
PR2006-16	96.17	96.32	F1	0.15	C
PR2006-16	96.32	96.55	F1	0.23	DC
PR2006-16	96.55	96.68	F1	0.13	CR
PR2006-16	96.68	96.81	F1	0.13	DC
PR2006-16	96.81	97	F2P	0.19	CBSH
PR2006-16	97	97.11	F2P	0.11	CR
PR2006-16	97.11	98.05	F2P	0.94	R
PR2006-16	98.05	99.05	F2P	1	CBSH
PR2006-16	99.05	99.3	F2P	0.25	CR
PR2006-16	99.3	99.47	F2	0.17	DC
PR2006-16	99.47	99.88		0.41	CBSH
PR2006-16	99.88	109.74	WV_CG	9.86	R
PR2006-16	109.74	111.28	WSS	1.54	R
PR2006-16	111.28	111.42		0.14	CBSH
PR2006-16	111.42	111.8	G1	0.38	DC
PR2006-16	111.8	116.65		4.85	R
PR2006-16	116.65	117		0.35	CBSH
PR2006-16	117	130.21		13.21	R
PR2006-16	130.21	130.82	G	0.61	C
PR2006-16	130.82	131	GJPT	0.18	CR
PR2006-16	131	138.3	GJPT	7.3	R
PR2006-16	138.3	138.51	GJPT	0.21	CBSH
PR2006-16	138.51	140.92	J1	2.41	C
PR2006-16	140.92	141.15	J1	0.23	DC
PR2006-16	141.15	141.3	J2P	0.15	CBSH
PR2006-16	141.3	143.22	J2U	1.92	C
PR2006-16	143.22	143.34	J2U	0.12	DC
PR2006-16	143.34	143.48	J2U	0.14	C
PR2006-16	143.48	143.63	J2U	0.15	DC
PR2006-16	143.63	143.73	J2U	0.1	C
PR2006-16	143.73	143.8	J2U	0.07	DC
PR2006-16	143.8	143.95	J2LP	0.15	CR
PR2006-16	143.95	144.2	J2L	0.25	DC
PR2006-16	144.2	146.18	J2L	1.98	C
PR2006-16	146.18	146.42	J3P	0.24	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-16	146.42	146.61	J3P	0.19	R
PR2006-16	146.61	146.77	J3P	0.16	CBSH
PR2006-16	146.77	147	J3P	0.23	R
PR2006-16	147	147.1	J3P	0.1	CBSH
PR2006-16	147.1	150.48	J3	3.38	C
PR2006-16	150.48	150.72		0.24	CR
PR2006-16	150.72	150.88		0.16	R
PR2006-16	150.88	156.18	QUINTETTE	5.3	R
PR2006-17	0	5.8	DRIFT	5.8	DRIFT
PR2006-17	5.8	18.45	MEDIAL_SILT	12.65	R
PR2006-17	18.45	18.7	MEDIAL_SILT	0.25	ASH
PR2006-17	18.7	18.8	MEDIAL_SILT	0.1	R
PR2006-17	18.8	20.4	TORRENS	1.6	R
PR2006-17	20.4	20.55	MEDIAL_SILT	0.15	FAULT
PR2006-17	20.55	22.25	MEDIAL_SILT	1.7	R
PR2006-17	22.25	22.8	MEDIAL_SILT	0.55	ASH
PR2006-17	22.8	23.1	MEDIAL_SILT	0.3	R
PR2006-17	23.1	26.9	TORRENS	3.8	R
PR2006-17	26.9	27	MEDIAL_SILT	0.1	FAULT
PR2006-17	27	59.6	MEDIAL_SILT	32.6	R
PR2006-17	59.6	59.75	MEDIAL_SILT	0.15	ASH
PR2006-17	59.75	60.05	MEDIAL_SILT	0.3	R
PR2006-17	60.05	79.9	TORRENS	19.85	R
PR2006-17	79.9	133.9	SPIEKER	54	R
PR2006-17	133.9	185.1	COWMOOSE	51.2	R
PR2006-17	185.1	185.3	COWMOOSE	0.2	ASH
PR2006-17	185.3	189.51	COWMOOSE	4.21	R
PR2006-18	0	2	DRIFT	2	DRIFT
PR2006-18	2	15.2	MEDIAL_SILT	13.2	R
PR2006-18	15.2	15.6	MEDIAL_SILT	0.4	ASH
PR2006-18	15.6	15.8	MEDIAL_SILT	0.2	R
PR2006-18	15.8	23.4	TORRENS	7.6	R
PR2006-18	23.4	36.4	SPIEKER	13	R
PR2006-18	36.4	36.5	MEDIAL_SILT	0.1	FAULT
PR2006-18	36.5	45.2	MEDIAL_SILT	8.7	R
PR2006-18	45.2	45.65	MEDIAL_SILT	0.45	ASH
PR2006-18	45.65	45.75	MEDIAL_SILT	0.1	R
PR2006-18	45.75	57.1	TORRENS	11.35	R
PR2006-18	57.1	93.55	SPIEKER	36.45	R
PR2006-18	93.55	194.66	COWMOOSE	101.11	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-19	0	21.2	DRIFT	21.2	DRIFT
PR2006-19	21.2	29.05	TORRENS	7.85	R
PR2006-19	29.05	67.1	SPIEKER	38.05	R
PR2006-19	67.1	103.05	COWMOOSE	35.95	R
PR2006-19	103.05	103.2	COWMOOSE	0.15	ASH
PR2006-19	103.2	105.3	COWMOOSE	2.1	R
PR2006-19	105.3	105.6	COWMOOSE	0.3	ASH
PR2006-19	105.6	114.95	COWMOOSE	9.35	R
PR2006-19	114.95	115.1	COWMOOSE	0.15	ASH
PR2006-19	115.1	115.3	COWMOOSE	0.2	R
PR2006-19	115.3	123.5	GREEN_MKR	8.2	R
PR2006-19	123.5	127.3		3.8	R
PR2006-19	127.3	129.1	BIRD	1.8	C
PR2006-19	129.1	129.35		0.25	CR
PR2006-19	129.35	149.65		20.3	R
PR2006-19	149.65	150		0.35	CBSH
PR2006-19	150	162.15		12.15	R
PR2006-19	162.15	163.9	SKEETER	1.75	C
PR2006-19	163.9	164.3	SKEETER	0.4	DC
PR2006-19	164.3	167.9	SKEETER	3.6	C
PR2006-19	167.9	170.34		2.44	R
PR2006-21	0	11.5	DRIFT	11.5	DRIFT
PR2006-21	11.5	21.6		10.1	R
PR2006-21	21.6	22	G	0.4	CBSH
PR2006-21	22	24.8	GJPT	2.8	R
PR2006-21	24.8	25.06	J1	0.26	DC
PR2006-21	25.06	25.6	J1	0.54	C
PR2006-21	25.6	25.88	J2P	0.28	CBSH
PR2006-21	25.88	63.88	J2P	38	R
PR2006-21	63.88	64.72	J2U	0.84	C
PR2006-21	64.72	67.8	J2LP	3.08	R
PR2006-21	67.8	68	J2L	0.2	DC
PR2006-21	68	68.25	J2L	0.25	C
PR2006-21	68.25	68.5	J2L	0.25	R
PR2006-21	68.5	68.9	J2L	0.4	DC
PR2006-21	68.9	69.02	J2L	0.12	R
PR2006-21	69.02	69.5	J2L	0.48	DC
PR2006-21	69.5	75.32	J3P	5.82	R
PR2006-21	75.32	77.33	J3	2.01	C
PR2006-21	77.33	103.2	QUINTETTE	25.87	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-21	103.2	108.2	MEDIAL_SILT	5	R
PR2006-22A	0	8.6	DRIFT	8.6	DRIFT
PR2006-22A	8.6	20.29		11.69	R
PR2006-22A	20.29	20.7	E3U	0.41	DC
PR2006-22A	20.7	20.85		0.15	CR
PR2006-22A	20.85	21.05	E3L	0.2	C
PR2006-22A	21.05	21.25		0.2	CR
PR2006-22A	21.25	21.5		0.25	R
PR2006-22A	21.5	21.7	E4	0.2	CR
PR2006-22A	21.7	22.2		0.5	R
PR2006-22A	22.2	22.8	F1	0.6	C
PR2006-22A	22.8	23	F1	0.2	DC
PR2006-22A	23	23.14	F2	0.14	DC
PR2006-22A	23.14	23.5	F2	0.36	C
PR2006-22A	23.5	23.77		0.27	CBSH
PR2006-22A	23.77	48	********	24.23	********
PR2006-22A	48	48.35	G	0.35	CBSH
PR2006-22A	48.35	50.4	GJPT	2.05	R
PR2006-22A	50.4	50.55	GJPT	0.15	CR
PR2006-22A	50.55	50.62	GJPT	0.07	R
PR2006-22A	50.62	50.73	GJPT	0.11	DC
PR2006-22A	50.73	50.9	GJPT	0.17	R
PR2006-22A	50.9	51.57	J1	0.67	C
PR2006-22A	51.57	87.49	J2P	35.92	R
PR2006-22A	87.49	88.55	J2U	1.06	C
PR2006-22A	88.55	88.95	J2LP	0.4	R
PR2006-22A	88.95	89.4	J2LP	0.45	CBSH
PR2006-22A	89.4	91	J2LP	1.6	R
PR2006-22A	91	91.2	J2LP	0.2	CBSH
PR2006-22A	91.2	91.45	J2LP	0.25	CR
PR2006-22A	91.45	92.05	J2LP	0.6	R
PR2006-22A	92.05	92.22	J2L	0.17	DC
PR2006-22A	92.22	92.45	J3P	0.23	CBSH
PR2006-22A	92.45	100.46	J3P	8.01	R
PR2006-22A	100.46	100.69	J3P	0.23	CR
PR2006-22A	100.69	102.53	J3	1.84	C
PR2006-22A	102.53	102.7		0.17	CBSH
PR2006-22A	102.7	131.1	QUINTETTE	28.4	R
PR2006-22A	131.1	137.15	MEDIAL_SILT	6.05	R
PR2006-22A	137.15	137.3	MEDIAL_SILT	0.15	ASH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-22A	137.3	138.15	MEDIAL_SILT	0.85	R
PR2006-22A	138.15	138.3	MEDIAL_SILT	0.15	ASH
PR2006-22A	138.3	141.7	MEDIAL_SILT	3.4	R
PR2006-23	0	12.3	DRIFT	12.3	DRIFT
PR2006-23	12.3	12.4	J1	0.1	C
PR2006-23	12.4	54.45	J2P	42.05	R
PR2006-23	54.45	55	J2U	0.55	C
PR2006-23	55	57.95	J2LP	2.95	R
PR2006-23	57.95	58.22	J2L	0.27	DC
PR2006-23	58.22	58.8	J2L	0.58	R
PR2006-23	58.8	59.3	J2L	0.5	C
PR2006-23	59.3	63.85	J3P	4.55	R
PR2006-23	63.85	65.9	J3	2.05	C
PR2006-23	65.9	94.25	QUINTETTE	28.35	R
PR2006-23	94.25	94.45	PROBABLE	0.2	FAULT
PR2006-23	94.45	103.7	QUINTETTE	9.25	R
PR2006-23	103.7	118.25	MEDIAL_SILT	14.55	R
PR2006-23	118.25	118.4	MEDIAL_SILT	0.15	ASH
PR2006-23	118.4	138.75	TORRENS	20.35	R
PR2006-23	138.75	153.92	SPIEKER	15.17	R
PR2006-24	0	5.8	DRIFT	5.8	DRIFT
PR2006-24	5.8	39.17	********	33.37	********
PR2006-24	39.17	39.65	E3U	0.48	C
PR2006-24	39.65	39.9	E3L	0.25	C
PR2006-24	39.9	40.08		0.18	CR
PR2006-24	40.08	40.55	E4	0.47	DC
PR2006-24	40.55	40.85		0.3	R
PR2006-24	40.85	41.42	F1	0.57	C
PR2006-24	41.42	41.48	F2	0.06	DC
PR2006-24	41.48	42.16	F2	0.68	C
PR2006-24	42.16	65.7	********	23.54	********
PR2006-24	65.7	65.87	G	0.17	CBSH
PR2006-24	65.87	69.3	GJPT	3.43	R
PR2006-24	69.3	69.82	J1	0.52	C
PR2006-24	69.82	114.9	J2P	45.08	R
PR2006-24	114.9	115.25	J2U	0.35	CBSH
PR2006-24	115.25	120.7	J2LP	5.45	R
PR2006-24	120.7	121.05	J2L	0.35	C
PR2006-24	121.05	128.15	J3P	7.1	R
PR2006-24	128.15	130.12	J3	1.97	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-24	130.12	145	QUINTETTE	14.88	R
PR2006-25	0	5.9	DRIFT	5.9	DRIFT
PR2006-25	5.9	8.2	HULCROSS	2.3	R
PR2006-25	8.2	8.3	HULCROSS	0.1	ASH_22
PR2006-25	8.3	22.9	HULCROSS	14.6	R
PR2006-25	22.9	23.1	HULCROSS	0.2	ASH_20
PR2006-25	23.1	44.15	HULCROSS	21.05	R
PR2006-25	44.15	44.35	HULCROSS	0.2	ASH_16
PR2006-25	44.35	52.7	HULCROSS	8.35	R
PR2006-25	52.7	52.9	HULCROSS	0.2	ASH_14
PR2006-25	52.9	54.2	HULCROSS	1.3	R
PR2006-25	54.2	54.3	HULCROSS	0.1	ASH_12
PR2006-25	54.3	71.65	HULCROSS	17.35	R
PR2006-25	71.65	71.8	HULCROSS	0.15	ASH_10
PR2006-25	71.8	79.7	HULCROSS	7.9	R
PR2006-25	79.7	79.9	HULCROSS	0.2	ASH_08
PR2006-25	79.9	85.75	HULCROSS	5.85	R
PR2006-25	85.75	85.95	HULCROSS	0.2	ASH_05
PR2006-25	85.95	87.2	HULCROSS	1.25	R
PR2006-25	87.2	87.4	HULCROSS	0.2	ASH_04
PR2006-25	87.4	95.05	HULCROSS	7.65	R
PR2006-25	95.05	95.2	HULCROSS	0.15	ASH_02
PR2006-25	95.2	95.85	HULCROSS	0.65	R
PR2006-25	95.85	96.05	BASAL_HC	0.2	R
PR2006-25	96.05	97.1		1.05	R
PR2006-25	97.1	97.7		0.6	CBSH
PR2006-25	97.7	98.03	A1	0.33	C
PR2006-25	98.03	100		1.97	R
PR2006-25	100	100.3	PROBABLE	0.3	FAULT
PR2006-25	100.3	101.35	HULCROSS	1.05	R
PR2006-25	101.35	101.5	BASAL_HC	0.15	R
PR2006-25	101.5	103.15		1.65	R
PR2006-25	103.15	103.75	A1	0.6	C
PR2006-25	103.75	105.2		7.2	R
PR2006-25	105.2	105.5		0.3	CBSH
PR2006-25	105.5	110.95		5.45	R
PR2006-25	110.95	111.35	A	0.4	DC
PR2006-25	111.35	112.72		1.37	R
PR2006-25	112.72	113		0.28	CBSH
PR2006-25	113	123.15		11.8	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-25	123.15	123.5	B	0.35	C
PR2006-25	123.5	128		4.5	R
PR2006-25	128	134.8	ARMAND	6.8	R
PR2006-25	134.8	136.2		1.4	R
PR2006-25	136.2	138.1	C	1.9	C
PR2006-25	138.1	154	FSS	15.9	R
PR2006-26	0	2.9	DRIFT	2.9	DRIFT
PR2006-26	2.9	8.6	CADOTTE	5.7	R
PR2006-26	8.6	27.2	HULCROSS	18.6	R
PR2006-26	27.2	27.35	HULCROSS	0.15	ASH_22
PR2006-26	27.35	36.05	HULCROSS	8.7	R
PR2006-26	36.05	36.2	HULCROSS	0.15	ASH_20
PR2006-26	36.2	37.6	HULCROSS	1.4	R
PR2006-26	37.6	37.75	HULCROSS	0.15	ASH_19
PR2006-26	37.75	51.8	HULCROSS	14.05	R
PR2006-26	51.8	51.95	HULCROSS	0.15	ASH_17
PR2006-26	51.95	55.6	HULCROSS	3.65	R
PR2006-26	55.6	55.75	HULCROSS	0.15	ASH_16
PR2006-26	55.75	61.7	HULCROSS	5.95	R
PR2006-26	61.7	61.8	HULCROSS	0.1	ASH_14
PR2006-26	61.8	63.6	HULCROSS	1.8	R
PR2006-26	63.6	63.75	HULCROSS	0.15	ASH_12
PR2006-26	63.75	76.1	HULCROSS	12.35	R
PR2006-26	76.1	76.2	HULCROSS	0.1	ASH_10
PR2006-26	76.2	82.7	HULCROSS	6.5	R
PR2006-26	82.7	82.95	HULCROSS	0.25	ASH_08
PR2006-26	82.95	88.2	HULCROSS	5.25	R
PR2006-26	88.2	88.3	HULCROSS	0.1	ASH_05
PR2006-26	88.3	89.5	HULCROSS	1.2	R
PR2006-26	89.5	89.7	HULCROSS	0.2	ASH_04
PR2006-26	89.7	99.4	HULCROSS	9.7	R
PR2006-26	99.4	99.5	HULCROSS	0.1	ASH_02
PR2006-26	99.5	99.55	BASAL_HC	0.05	R
PR2006-26	99.55	100.1	A1	0.55	C
PR2006-26	100.1	105.15		5.05	R
PR2006-26	105.15	105.2	PROBABLE	0.05	FAULT
PR2006-26	105.2	105.8	A1	0.6	C
PR2006-26	105.8	107.7		1.9	R
PR2006-26	107.7	108		0.3	CBSH
PR2006-26	108	113.4		5.4	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-26	113.4	113.75	A	0.35	CR
PR2006-26	113.75	125.8		12.05	R
PR2006-26	125.8	126.15	B	0.35	DC
PR2006-26	126.15	136.1		9.95	R
PR2006-26	136.1	151	ARMAND	14.9	R
PR2006-27	0	17.9	DRIFT	17.9	DRIFT
PR2006-27	17.9	78.32	********	60.42	********
PR2006-27	78.32	78.7	E3U	0.38	C
PR2006-27	78.7	78.98		0.28	CBSH
PR2006-27	78.98	79.35	E3L	0.37	DC
PR2006-27	79.35	79.65		0.3	R
PR2006-27	79.65	79.85	E4	0.2	CR
PR2006-27	79.85	80.3		0.45	R
PR2006-27	80.3	80.9	F1	0.6	C
PR2006-27	80.9	81.18	F2P	0.28	R
PR2006-27	81.18	81.7	F2	0.52	C
PR2006-27	81.7	93.09	WV_CG	11.39	R
PR2006-28	0	8.8	DRIFT	8.8	DRIFT
PR2006-28	8.8	78.4	********	69.6	********
PR2006-28	78.4	78.95	E3U	0.55	C
PR2006-28	78.95	79.2	E3L	0.25	C
PR2006-28	79.2	79.42		0.22	R
PR2006-28	79.42	79.65	E4	0.23	C
PR2006-28	79.65	79.98		0.33	R
PR2006-28	79.98	80.6	F1	0.62	C
PR2006-28	80.6	80.85	F2	0.25	DC
PR2006-28	80.85	81.34	F2	0.49	C
PR2006-28	81.34	92.3	WV_CG	10.96	R
PR2006-28	92.3	100.15	WSS	7.85	R
PR2006-28	100.15	100.4	G1	0.25	CBSH
PR2006-28	100.4	105.45		5.05	R
PR2006-28	105.45	105.7	G	0.25	DC
PR2006-28	105.7	108.5	GJPT	2.8	R
PR2006-28	108.5	108.98	GJPT	0.48	R
PR2006-28	108.98	109.82	J1	0.84	C
PR2006-28	109.82	112.2	J2P	2.38	R
PR2006-28	112.2	135.6	J2P	23.4	R
PR2006-29	0	6.8	DRIFT	6.8	DRIFT
PR2006-29	6.8	12.05	HULCROSS	5.25	R
PR2006-29	12.05	12.2	HULCROSS	0.15	ASH_20

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-29	12.2	13.75	HULCROSS	1.55	R
PR2006-29	13.75	13.9	HULCROSS	0.15	ASH_19
PR2006-29	13.9	22.75	HULCROSS	8.85	R
PR2006-29	22.75	22.95	HULCROSS	0.2	ASH_18
PR2006-29	22.95	27.55	HULCROSS	4.6	R
PR2006-29	27.55	27.7	HULCROSS	0.15	ASH_17
PR2006-29	27.7	31.3	HULCROSS	3.6	R
PR2006-29	31.3	31.5	HULCROSS	0.2	ASH_16
PR2006-29	31.5	37.15	HULCROSS	5.65	R
PR2006-29	37.15	37.3	HULCROSS	0.15	ASH_14
PR2006-29	37.3	39.05	HULCROSS	1.75	R
PR2006-29	39.05	39.2	HULCROSS	0.15	ASH_12
PR2006-29	39.2	43.55	HULCROSS	4.35	R
PR2006-29	43.55	43.7	HULCROSS	0.15	ASH_11
PR2006-29	43.7	51.4	HULCROSS	7.7	R
PR2006-29	51.4	51.5	HULCROSS	0.1	ASH_10
PR2006-29	51.5	58.6	HULCROSS	7.1	R
PR2006-29	58.6	58.85	HULCROSS	0.25	ASH_08
PR2006-29	58.85	64.9	HULCROSS	6.05	R
PR2006-29	64.9	64.95	HULCROSS	0.05	ASH_05
PR2006-29	64.95	66.35	HULCROSS	1.4	R
PR2006-29	66.35	66.5	HULCROSS	0.15	ASH_04
PR2006-29	66.5	73.5	HULCROSS	7	R
PR2006-29	73.5	73.6	HULCROSS	0.1	ASH_02
PR2006-29	73.6	76.95	HULCROSS	3.35	R
PR2006-29	76.95	77.4	BASAL_HC	0.45	R
PR2006-29	77.4	78.3		0.9	R
PR2006-29	78.3	78.55	A1	0.25	CR
PR2006-29	78.55	87.3		8.75	R
PR2006-29	87.3	87.8	A	0.5	CR
PR2006-29	87.8	90.7		2.9	R
PR2006-29	90.7	91.2		0.5	CBSH
PR2006-29	91.2	92		0.8	R
PR2006-29	92	92.1	POSSIBLE	0.1	FAULT
PR2006-29	92.1	94.1		2	R
PR2006-29	94.1	94.25		0.15	ASH
PR2006-29	94.25	97.7		3.45	R
PR2006-29	97.7	98.15	A1	0.45	CBSH
PR2006-29	98.15	99.5		1.35	R
PR2006-29	99.5	99.6		0.1	ASH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PR2006-29	99.6	113.1		13.5	R
PR2006-29	113.1	113.5	B	0.4	CR
PR2006-29	113.5	123.05		9.55	R
PR2006-29	123.05	140.5	ARMAND	17.45	R
PR2006-29	140.5	140.6	POSSIBLE	0.1	FAULT
PR2006-29	140.6	148.2	ARMAND	7.6	R
PR2006-29	148.2	148.35	POSSIBLE	0.15	FAULT
PR2006-29	148.35	163.06	ARMAND	14.71	R
PC2007-01C	0	1.66	J2U	1.66	C
PC2007-01C	1.66	3.25	J2L	1.59	C
PC2007-01C	3.25	4.65	J3P	1.4	R
PC2007-01C	4.65	7.12	J3	2.47	C
PC2007-01C	7.12	9.14	QUINTETTE	2.02	R
PC2007-02C	0	1	G	1	C
PC2007-02C	1	8.77	GJPT	7.77	R
PC2007-02C	8.77	10.2	J1	1.43	C
PC2007-02C	10.2	10.29	J2P	0.09	CBSH
PC2007-02C	10.29	10.8	J2U	0.51	C
PC2007-02C	10.8	11	J2U	0.2	DC
PC2007-02C	11	11.65	J2U	0.65	C
PC2007-02C	11.65	11.8	J2U	0.15	DC
PC2007-02C	11.8	12.7	J2U	0.9	C
PC2007-02C	12.7	13.05	J2LP	0.35	CBSH
PC2007-02C	13.05	14.45	J2L	1.4	C
PC2007-02C	14.45	15.85	J3P	1.4	R
PC2007-02C	15.85	17.25	J3	1.4	C
PC2007-02C	17.25	17.5	J3	0.25	CR
PC2007-02C	17.5	17.7	J3	0.2	DC
PC2007-02C	17.7	18.25	QUINTETTE	0.55	R
PC2007-02C	18.25	19.3	QUINTETTE	1.05	R
PC2007-03C	0	7.15		7.15	R
PC2007-03C	7.15	7.3		0.15	CBSH
PC2007-03C	7.3	8.7		1.4	R
PC2007-03C	8.7	8.9		0.2	CBSH
PC2007-03C	8.9	17.6		8.7	R
PC2007-03C	17.6	18.7	G	1.1	C
PC2007-03C	18.7	26.46		7.76	R
PC2007-03C	26.46	26.54		0.08	CBSH
PC2007-03C	26.54	28.51	J1	1.97	C
PC2007-03C	28.51	28.59	J2P	0.08	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-03C	28.59	29.38	J2U	0.79	C
PC2007-03C	29.38	29.42	J2U	0.04	R
PC2007-03C	29.42	29.54	J2U	0.12	C
PC2007-03C	29.54	29.59	J2U	0.05	R
PC2007-03C	29.59	30.6	J2U	1.01	C
PC2007-03C	30.6	30.7	J2L	0.1	DC
PC2007-03C	30.7	32	J2L	1.3	C
PC2007-03C	32	33.35	J3P	1.35	R
PC2007-03C	33.35	35.54	J3	2.19	C
PC2007-03C	35.54	38.33	QUINTETTE	2.79	R
PC2007-04C	0	9.45	WV_CG	9.45	R
PC2007-04C	9.45	13.4	WSS	3.95	R
PC2007-04C	13.4	13.75	G1	0.35	C
PC2007-04C	13.75	14	G1	0.25	DC
PC2007-04C	14	14.25	G1	0.25	R
PC2007-04C	14.25	14.45	G1	0.2	DC
PC2007-04C	14.45	29.6		15.15	R
PC2007-04C	29.6	30.1	G	0.5	C
PC2007-04C	30.1	30.55	G	0.45	DC
PC2007-04C	30.55	39.02	GJPT	8.47	R
PC2007-04C	39.02	40.45	J1	1.43	C
PC2007-04C	40.45	40.82	J2U	0.37	DC
PC2007-04C	40.82	41.8	J2U	0.98	C
PC2007-04C	41.8	41.95	J2U	0.15	DC
PC2007-04C	41.95	43.14	J2U	1.19	C
PC2007-04C	43.14	43.16	J2LP	0.02	CBSH
PC2007-04C	43.16	44.48	J2L	1.32	C
PC2007-04C	44.48	45.9	J3P	1.42	R
PC2007-04C	45.9	48.26	J3	2.36	C
PC2007-04C	48.26	51.08	QUINTETTE	2.82	R
PC2007-05C	0	0.55	J3P	0.55	R
PC2007-05C	0.55	2.6	J3	2.05	C
PC2007-05C	2.6	5.21	QUINTETTE	2.61	R
PC2007-06C	0	6.15	GJPT	6.15	R
PC2007-06C	6.15	6.25	GJPT	0.1	CBSH
PC2007-06C	6.25	7.14	J1	0.89	C
PC2007-06C	7.14	7.2	J2P	0.06	CBSH
PC2007-06C	7.2	8.8	J2U	1.6	C
PC2007-06C	8.8	8.86	J2U	0.06	CBSH
PC2007-06C	8.86	9.89	J2U	1.03	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-06C	9.89	9.97	J2U	0.08	CBSH
PC2007-06C	9.97	11.5	J2U	1.53	C
PC2007-06C	11.5	11.68	J2LP	0.18	CR
PC2007-06C	11.68	13.3	J2L	1.62	C
PC2007-06C	13.3	15.27	J3P	1.97	R
PC2007-06C	15.27	15.4	J3P	0.13	CBSH
PC2007-06C	15.4	17.4	J3	2	C
PC2007-06C	17.4	17.6	J3	0.2	CR
PC2007-06C	17.6	17.88	J3	0.28	DC
PC2007-06C	17.88	19.56	QUINTETTE	1.68	R
PC2007-07C	0	4.25		4.25	R
PC2007-07C	4.25	4.45		0.2	CBSH
PC2007-07C	4.45	9.95		5.5	R
PC2007-07C	9.95	9.97		0.02	FAULT
PC2007-07C	9.97	17.3		7.33	R
PC2007-07C	17.3	18.4	G	1.1	C
PC2007-07C	18.4	27.2	GJPT	8.8	R
PC2007-07C	27.2	28.93	J1	1.73	C
PC2007-07C	28.93	29.05	J2P	0.12	CBSH
PC2007-07C	29.05	29.42	J2U	0.37	C
PC2007-07C	29.42	29.5	J2U	0.08	CR
PC2007-07C	29.5	30.15	J2U	0.65	C
PC2007-07C	30.15	30.25	J2U	0.1	CBSH
PC2007-07C	30.25	31.75	J2U	1.5	C
PC2007-07C	31.75	31.9	J2LP	0.15	CR
PC2007-07C	31.9	33.3	J2L	1.4	C
PC2007-07C	33.3	34.75	J3P	1.45	R
PC2007-07C	34.75	36.7	J3	1.95	C
PC2007-07C	36.7	37.09	J3	0.39	DC
PC2007-07C	37.09	37.55	QUINTETTE	0.46	R
PC2007-07C	37.55	38.77	QUINTETTE	1.22	R
PC2007-18C	0	3.1		3.1	R
PC2007-18C	3.1	3.25	E2U	0.15	DC
PC2007-18C	3.25	3.35	E2LP	0.1	CR
PC2007-18C	3.35	4.1	E2L	0.75	C
PC2007-18C	4.1	5.7	E3P	1.6	R
PC2007-18C	5.7	6.2	E3U	0.5	C
PC2007-18C	6.2	7.75		1.55	R
PC2007-18C	7.75	8	E3L	0.25	CBSH
PC2007-18C	8	10.6		2.6	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-18C	10.6	10.8	E4	0.2	CBSH
PC2007-18C	10.8	11.05	E4	0.25	R
PC2007-18C	11.05	11.25	E4	0.2	CBSH
PC2007-18C	11.25	20.4		9.15	R
PC2007-18C	20.4	20.85	F1	0.45	C
PC2007-18C	20.85	20.95	F1	0.1	CR
PC2007-18C	20.95	21.39	F1	0.44	C
PC2007-18C	21.39	21.5	F2P	0.11	CBSH
PC2007-18C	21.5	21.65	F2	0.15	C
PC2007-18C	21.65	21.7	F2	0.05	CBSH
PC2007-18C	21.7	22.25	F2	0.55	C
PC2007-18C	22.25	31.4	WV_CG	9.15	R
PC2007-18C	31.4	35.15	WSS	3.75	R
PC2007-18C	35.15	35.4		0.25	R
PC2007-18C	35.4	35.7	G1	0.3	C
PC2007-18C	35.7	35.95		0.25	R
PC2007-18C	35.95	36.25		0.3	CBSH
PC2007-18C	36.25	51.2		14.95	R
PC2007-18C	51.2	52	G	0.8	C
PC2007-18C	52	52.2	GJPT	0.2	CR
PC2007-18C	52.2	61.7	GJPT	9.5	R
PC2007-18C	61.7	63	J1	1.3	C
PC2007-18C	63	63.85	J2U	0.85	DC
PC2007-18C	63.85	64.4	J2U	0.55	C
PC2007-18C	64.4	64.6	J2U	0.2	CR
PC2007-18C	64.6	65.6	J2U	1	C
PC2007-18C	65.6	65.8	J2L	0.2	DC
PC2007-18C	65.8	66.55	J2L	0.75	C
PC2007-18C	66.55	66.75	J2L	0.2	DC
PC2007-18C	66.75	67.1	J2L	0.35	C
PC2007-18C	67.1	68.35	J3P	1.25	R
PC2007-18C	68.35	69.9	J3	1.55	C
PC2007-18C	69.9	70.15	J3	0.25	CR
PC2007-18C	70.15	70.35	J3	0.2	DC
PC2007-18C	70.35	70.8		0.45	CR
PC2007-18C	70.8	72.38	QUINTETTE	1.58	R
PC2007-20	0	1.65	DRIFT	1.65	DRIFT
PC2007-20	1.65	2.7		1.05	R
PC2007-20	2.7	22.7	FSS	20	R
PC2007-20	22.7	23.7		1	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-20	23.7	24		0.3	CBSH
PC2007-20	24	24.65		0.65	R
PC2007-20	24.65	24.9	D	0.25	CBSH
PC2007-20	24.9	31.12		6.22	R
PC2007-20	31.12	31.25	E0	0.13	CR
PC2007-20	31.25	32.09		0.84	R
PC2007-20	32.09	32.21		0.12	CR
PC2007-20	32.21	32.32	E1	0.11	DC
PC2007-20	32.32	32.38		0.06	CR
PC2007-20	32.38	33.03		0.65	R
PC2007-20	33.03	33.16	E2U	0.13	DC
PC2007-20	33.16	33.26	E2LP	0.1	CR
PC2007-20	33.26	33.85	E2L	0.59	C
PC2007-20	33.85	35.23	E3P	1.38	R
PC2007-20	35.23	35.37	E3P	0.14	CR
PC2007-20	35.37	35.6	E3U	0.23	C
PC2007-20	35.6	35.75		0.15	CR
PC2007-20	35.75	36.18		0.43	R
PC2007-20	36.18	36.25		0.07	CR
PC2007-20	36.25	36.34	E3L	0.09	DC
PC2007-20	36.34	36.38		0.04	CR
PC2007-20	36.38	36.9		0.52	R
PC2007-20	36.9	37.05		0.15	CBSH
PC2007-20	37.05	38.27		1.22	R
PC2007-20	38.27	38.93	E4	0.66	CBSH
PC2007-20	38.93	44.7		5.77	R
PC2007-20	44.7	44.85		0.15	CR
PC2007-20	44.85	45.05	F1	0.2	C
PC2007-20	45.05	45.17	F1	0.12	DC
PC2007-20	45.17	45.32	F1	0.15	C
PC2007-20	45.32	45.42	F1	0.1	DC
PC2007-20	45.42	45.83	F1	0.41	C
PC2007-20	45.83	46.2	F2	0.37	C
PC2007-20	46.2	53.34	WV_CG	7.14	R
PC2007-20	53.34	62.88	WSS	9.54	R
PC2007-20	62.88	63.79		0.91	R
PC2007-20	63.79	63.94	G1	0.15	CBSH
PC2007-20	63.94	72.97		9.03	R
PC2007-20	72.97	73.69	G	0.72	C
PC2007-20	73.69	87.75	GJPT	14.06	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-20	87.75	87.97	J1	0.22	DC
PC2007-20	87.97	88.94	J1	0.97	C
PC2007-20	88.94	89	J1	0.06	DC
PC2007-20	89	89.05	J2P	0.05	CR
PC2007-20	89.05	89.29	J2U	0.24	DC
PC2007-20	89.29	91.24	J2U	1.95	C
PC2007-20	91.24	92.44	J2L	1.2	C
PC2007-20	92.44	92.57	J3P	0.13	CBSH
PC2007-20	92.57	92.68	J3P	0.11	CR
PC2007-20	92.68	93.86	J3P	1.18	R
PC2007-20	93.86	96.07	J3	2.21	C
PC2007-20	96.07	109.77	QUINTETTE	13.7	R
PC2007-21	0	1.4	DRIFT	1.4	DRIFT
PC2007-21	1.4	60.2	********	58.8	********
PC2007-21	60.2	60.5	F1	0.3	C
PC2007-21	60.5	60.72	F1	0.22	DC
PC2007-21	60.72	61.1	F1	0.38	C
PC2007-21	61.1	61.52	F2	0.42	C
PC2007-21	61.52	92	********	30.48	********
PC2007-21	92	92.71	G	0.71	C
PC2007-21	92.71	104	GJPT	11.29	R
PC2007-21	104	104.4	J1	0.4	C
PC2007-21	104.4	104.6	J1	0.2	DC
PC2007-21	104.6	105.12	J1	0.52	C
PC2007-21	105.12	105.48	J2P	0.36	R
PC2007-21	105.48	105.7	J2P	0.22	DC
PC2007-21	105.7	105.97	J2P	0.27	CR
PC2007-21	105.97	106.8	J2U	0.83	C
PC2007-21	106.8	107.08	J2U	0.28	DC
PC2007-21	107.08	107.42	J2U	0.34	C
PC2007-21	107.42	107.63	J2L	0.21	DC
PC2007-21	107.63	107.9	J2L	0.27	C
PC2007-21	107.9	110.55	J3P	2.65	R
PC2007-21	110.55	112.63	J3	2.08	C
PC2007-21	112.63	118.87	QUINTETTE	6.24	R
PC2007-22C	0	14.35	FSS	14.35	R
PC2007-22C	14.35	15.05		0.7	CBSH
PC2007-22C	15.05	16.7		1.65	R
PC2007-22C	16.7	17.25	D	0.55	CBSH
PC2007-22C	17.25	22.6		5.35	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-22C	22.6	22.75		0.15	CBSH
PC2007-22C	22.75	22.84		0.09	R
PC2007-22C	22.84	22.96	E0	0.12	CR
PC2007-22C	22.96	23.8		0.84	R
PC2007-22C	23.8	24.1	E1	0.3	DC
PC2007-22C	24.1	24.77		0.67	R
PC2007-22C	24.77	24.97	E2U	0.2	DC
PC2007-22C	24.97	25	E2LP	0.03	CR
PC2007-22C	25	25.3	E2L	0.3	DC
PC2007-22C	25.3	25.7	E2L	0.4	C
PC2007-22C	25.7	25.88	E3P	0.18	CR
PC2007-22C	25.88	27.25	E3P	1.37	R
PC2007-22C	27.25	27.38	E3P	0.13	CR
PC2007-22C	27.38	27.71	E3U	0.33	DC
PC2007-22C	27.71	28.6		0.89	R
PC2007-22C	28.6	28.74	E3L	0.14	CBSH
PC2007-22C	28.74	30.52		1.78	R
PC2007-22C	30.52	30.63	E4	0.11	CBSH
PC2007-22C	30.63	38.68		8.05	R
PC2007-22C	38.68	38.87		0.19	CR
PC2007-22C	38.87	39.05	F1	0.18	C
PC2007-22C	39.05	39.2	F1	0.15	DC
PC2007-22C	39.2	39.31	F1	0.11	C
PC2007-22C	39.31	39.44	F1	0.13	DC
PC2007-22C	39.44	39.6	F1	0.16	C
PC2007-22C	39.6	39.7	F2P	0.1	CR
PC2007-22C	39.7	40.31	F2	0.61	C
PC2007-22C	40.31	40.45		0.14	CR
PC2007-22C	40.45	47.25	WV_CG	6.8	R
PC2007-22C	47.25	55.2	WSS	7.95	R
PC2007-22C	55.2	56.85		1.65	R
PC2007-22C	56.85	57.25	G1	0.4	CBSH
PC2007-22C	57.25	65.92		8.67	R
PC2007-22C	65.92	66.07		0.15	CR
PC2007-22C	66.07	66.74	G	0.67	C
PC2007-22C	66.74	79.99	GJPT	13.25	R
PC2007-22C	79.99	80.2	J1	0.21	DC
PC2007-22C	80.2	81.25	J1	1.05	C
PC2007-22C	81.25	81.32	J2P	0.07	CR
PC2007-22C	81.32	81.57	J2U	0.25	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-22C	81.57	83.36	J2U	1.79	C
PC2007-22C	83.36	84.9	J2L	1.54	C
PC2007-22C	84.9	86.35	J3P	1.45	R
PC2007-22C	86.35	88.64	J3	2.29	C
PC2007-22C	88.64	89.15	QUINTETTE	0.51	R
PC2007-23C	0	10.15	FT_MT_CG	10.15	R
PC2007-23C	10.15	14.8		4.65	R
PC2007-23C	14.8	15.15	E0	0.35	CBSH
PC2007-23C	15.15	16.8		1.65	R
PC2007-23C	16.8	17.3	E1	0.5	CBSH
PC2007-23C	17.3	18.6		1.3	R
PC2007-23C	18.6	19	E2U	0.4	CR
PC2007-23C	19	19.72	E2L	0.72	C
PC2007-23C	19.72	21.71	E3P	1.99	R
PC2007-23C	21.71	22.35	E3U	0.64	C
PC2007-23C	22.35	23.36		1.01	R
PC2007-23C	23.36	23.75	E3L	0.39	CBSH
PC2007-23C	23.75	24.8		1.05	R
PC2007-23C	24.8	24.9	E4	0.1	CBSH
PC2007-23C	24.9	35.91		11.01	R
PC2007-23C	35.91	36.35	F1	0.44	DC
PC2007-23C	36.35	37.25	F2P	0.9	CR
PC2007-23C	37.25	37.75	F2	0.5	DC
PC2007-23C	37.75	47.15	WV_CG	9.4	R
PC2007-23C	47.15	52.4	WSS	5.25	R
PC2007-23C	52.4	53.27	G1	0.87	CR
PC2007-23C	53.27	57.8		4.53	R
PC2007-23C	57.8	58.05		0.25	CBSH
PC2007-23C	58.05	66		7.95	R
PC2007-23C	66.6	67.5	G	0.9	C
PC2007-23C	67.5	77	GJPT	9.5	R
PC2007-23C	77	78.35	J1	1.35	C
PC2007-23C	78.35	78.45	J1	0.1	DC
PC2007-23C	78.45	78.8	J1	0.35	C
PC2007-23C	78.8	79.1	J2U	0.3	DC
PC2007-23C	79.1	80.5	J2U	1.4	C
PC2007-23C	80.5	82.08	J2L	1.58	C
PC2007-23C	82.08	82.3	J3P	0.22	CBSH
PC2007-23C	82.3	83.46	J3P	1.16	R
PC2007-23C	83.46	85.81	J3	2.35	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-23C	85.81	87.36	QUINTETTE	1.55	R
PC2007-24C	0	2.45		2.45	R
PC2007-24C	2.45	3	E0	0.55	CBSH
PC2007-24C	3	4.8		1.8	R
PC2007-24C	4.8	5	E1	0.2	CBSH
PC2007-24C	5	6.5		1.5	R
PC2007-24C	6.5	6.7	E2U	0.2	CR
PC2007-24C	6.7	7.1	E2L	0.4	DC
PC2007-24C	7.1	7.62	E2L	0.52	C
PC2007-24C	7.62	7.8	E3P	0.18	CBSH
PC2007-24C	7.8	9.55	E3P	1.75	R
PC2007-24C	9.55	9.78	E3P	0.23	CBSH
PC2007-24C	9.78	10.1	E3U	0.32	DC
PC2007-24C	10.1	10.3		0.2	CBSH
PC2007-24C	10.3	10.86		0.56	R
PC2007-24C	10.86	11.25	E3L	0.39	CBSH
PC2007-24C	11.25	11.75		0.5	R
PC2007-24C	11.75	12.1	E4	0.35	CBSH
PC2007-24C	12.1	25.58		13.48	R
PC2007-24C	25.58	25.96	F1	0.38	DC
PC2007-24C	25.96	26.15	F1	0.19	CR
PC2007-24C	26.15	26.35	F1	0.2	DC
PC2007-24C	26.35	26.89	F2P	0.54	CR
PC2007-24C	26.89	27.36	F2	0.47	DC
PC2007-24C	27.36	27.41		0.05	CBSH
PC2007-24C	27.41	35.6	WV_CG	8.19	R
PC2007-24C	35.6	41.1	WSS	5.5	R
PC2007-24C	41.1	41.5	G1	0.4	DC
PC2007-24C	41.5	42.15		0.65	CBSH
PC2007-24C	42.15	46.2		4.05	R
PC2007-24C	46.2	46.5		0.3	CBSH
PC2007-24C	46.5	55.21		8.71	R
PC2007-24C	55.21	56.19	G	0.98	C
PC2007-24C	56.19	67.9	GJPT	11.71	R
PC2007-24C	67.9	69.09	J1	1.19	C
PC2007-24C	69.09	69.43	J1	0.34	DC
PC2007-24C	69.43	69.63	J1	0.2	C
PC2007-24C	69.63	69.9	J2U	0.27	DC
PC2007-24C	69.9	71.6	J2U	1.7	C
PC2007-24C	71.6	73.15	J2L	1.55	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-24C	73.15	74.2	J3P	1.05	R
PC2007-24C	74.2	76.51	J3	2.31	C
PC2007-24C	76.51	77.25		0.74	R
PC2007-24C	77.25	79.84	QUINTETTE	2.59	R
PC2007-34C	0	3.85	DRIFT	3.85	DRIFT
PC2007-34C	3.85	12.5	WV_CG	8.65	R
PC2007-34C	12.5	18.74	WSS	6.24	R
PC2007-34C	18.74	19.2	G1	0.46	CBSH
PC2007-34C	19.2	30.71		11.51	R
PC2007-34C	30.71	30.91		0.2	CR
PC2007-34C	30.91	31.74	G	0.83	C
PC2007-34C	31.74	40.47	GJPT	8.73	R
PC2007-34C	40.47	40.65	J1	0.18	DC
PC2007-34C	40.65	41.69	J1	1.04	C
PC2007-34C	41.69	41.78	J2P	0.09	CBSH
PC2007-34C	41.78	44.05	J2U	2.27	C
PC2007-34C	44.05	45.46	J2L	1.41	C
PC2007-34C	45.46	45.9	J3P	0.44	CBSH
PC2007-34C	45.9	46.86	J3P	0.96	R
PC2007-34C	46.86	47.06	J3	0.2	DC
PC2007-34C	47.06	49.12	J3	2.06	C
PC2007-34C	49.12	51.24	QUINTETTE	2.12	R
PC2007-36	0	2.35	DRIFT	2.35	DRIFT
PC2007-36	2.35	24.5	********	22.15	********
PC2007-36	24.5	24.98	G	0.48	C
PC2007-36	24.98	30.28	GJPT	5.3	R
PC2007-36	30.28	31.02	J1	0.74	C
PC2007-36	31.02	33.8	J2P	2.78	R
PC2007-36	33.8	34.15	J2P	0.35	CBSH
PC2007-36	34.15	69.58	J2P	35.43	R
PC2007-36	69.58	71.05	J2U	1.47	C
PC2007-36	71.05	71.7	J2L	0.65	C
PC2007-36	71.7	74.86	J3P	3.16	R
PC2007-36	74.86	77	J3	2.14	C
PC2007-36	77	96.01	QUINTETTE	19.01	R
PC2007-37	0	2.3	DRIFT	2.3	DRIFT
PC2007-37	2.3	23.4	********	21.1	********
PC2007-37	23.4	23.7	E3U	0.3	CR
PC2007-37	23.7	23.85		0.15	CBSH
PC2007-37	23.85	24		0.15	CR

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-37	24	24.3	E3L	0.3	DC
PC2007-37	24.3	24.77		0.47	R
PC2007-37	24.77	25.28	E4	0.51	CBSH
PC2007-37	25.28	27.59		2.31	R
PC2007-37	27.59	27.92	F1	0.33	C
PC2007-37	27.92	28.4	F2	0.48	DC
PC2007-37	28.4	28.9	F2	0.5	C
PC2007-37	28.9	55.54	********	26.64	********
PC2007-37	55.54	56.04	G	0.5	C
PC2007-37	56.04	61.29	GJPT	5.25	R
PC2007-37	61.29	62.65	J1	1.36	C
PC2007-37	62.65	63.02	J1	0.37	DC
PC2007-37	63.02	93.01	J2P	29.99	R
PC2007-37	93.01	94.95	J2U	1.94	C
PC2007-37	94.95	95.98	J2L	1.03	C
PC2007-37	95.98	99.19	J3P	3.21	R
PC2007-37	99.19	101.2	J3	2.01	C
PC2007-37	101.2	108.2	QUINTETTE	7	R
PC2007-38	0	1.3	DRIFT	1.3	DRIFT
PC2007-38	1.3	26.95	********	25.65	********
PC2007-38	26.95	27.63	G	0.68	C
PC2007-38	27.63	33.85	GJPT	6.22	R
PC2007-38	33.85	34.98	J1	1.13	C
PC2007-38	34.98	68.55	J2P	33.57	R
PC2007-38	68.55	70.08	J2U	1.53	C
PC2007-38	70.08	71.07	J2L	0.99	C
PC2007-38	71.07	74	J3P	2.93	R
PC2007-38	74	74.4	J3	0.4	C
PC2007-38	74.4	74.7	J3	0.3	DC
PC2007-38	74.7	76.42	J3	1.72	C
PC2007-38	76.42	77.8		1.38	R
PC2007-38	77.8	91.44	QUINTETTE	13.64	R
PC2007-40	0	2.1	DRIFT	2.1	DRIFT
PC2007-40	2.1	60.28	********	58.18	********
PC2007-40	60.28	60.7	E3U	0.42	DC
PC2007-40	60.7	61.05		0.35	CR
PC2007-40	61.05	61.58	E3L	0.53	DC
PC2007-40	61.58	62.28		0.7	R
PC2007-40	62.28	63	E4	0.72	CR
PC2007-40	63	66		3	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-40	66	66.7	F1	0.7	C
PC2007-40	66.7	67.38	F2	0.68	DC
PC2007-40	67.38	96.28	********	28.9	********
PC2007-40	96.28	97.15	G	0.87	C
PC2007-40	97.15	103.5	GJPT	6.35	R
PC2007-40	103.5	104.02	GJPT	0.52	CBSH
PC2007-40	104.02	105.16	J1	1.14	C
PC2007-40	105.16	135	J2P	29.84	R
PC2007-40	135	136.64	J2U	1.64	C
PC2007-40	136.64	137.51	J2L	0.87	C
PC2007-40	137.51	137.75	J3P	0.24	CBSH
PC2007-40	137.75	139.75	J3P	2	R
PC2007-40	139.75	141.9	J3	2.15	C
PC2007-40	141.9	150.88	QUINTETTE	8.98	R
PC2007-41	0	2.2	DRIFT	2.2	DRIFT
PC2007-41	2.2	10.45	********	8.25	********
PC2007-41	10.45	10.75	G1	0.3	CBSH
PC2007-41	10.75	21.89		11.14	R
PC2007-41	21.89	22.64	G	0.75	C
PC2007-41	22.64	33.45	GJPT	10.81	R
PC2007-41	33.45	33.7	GJPT	0.25	CBSH
PC2007-41	33.7	34.61	J1	0.91	C
PC2007-41	34.61	58.48	J2P	23.87	R
PC2007-41	58.48	58.95	J2U	0.47	DC
PC2007-41	58.95	60.85	J2U	1.9	C
PC2007-41	60.85	62.12	J2L	1.27	C
PC2007-41	62.12	64.21	J3P	2.09	R
PC2007-41	64.21	66.72	J3	2.51	C
PC2007-41	66.72	74.68	QUINTETTE	7.96	R
PC2007-42	0	2.7	DRIFT	2.7	DRIFT
PC2007-42	2.7	73.45	********	70.75	********
PC2007-42	73.45	73.8	E3U	0.35	DC
PC2007-42	73.8	74.38	E3L	0.58	DC
PC2007-42	74.38	74.9		0.52	R
PC2007-42	74.9	75.3	E4	0.4	CR
PC2007-42	75.3	75.55		0.25	CBSH
PC2007-42	75.55	79.65		4.1	R
PC2007-42	79.65	80.3	F1	0.65	C
PC2007-42	80.3	80.75	F2	0.45	DC
PC2007-42	80.75	81.12	F2	0.37	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-42	81.12	108.69	********	27.57	********
PC2007-42	108.69	109.32	G	0.63	C
PC2007-42	109.32	116.07	GJPT	6.75	R
PC2007-42	116.07	117.42	J1	1.35	C
PC2007-42	117.42	137.19	J2P	19.77	R
PC2007-42	137.19	138.52	J2U	1.33	C
PC2007-42	138.52	139.93	J2L	1.41	C
PC2007-42	139.93	142.21	J3P	2.28	R
PC2007-42	142.21	144.29	J3	2.08	C
PC2007-42	144.29	149.35	QUINTETTE	5.06	R
PC2007-45	0	20.7	DRIFT	20.7	DRIFT
PC2007-45	20.7	22.95		2.25	R
PC2007-45	22.95	23.25		0.3	CBSH
PC2007-45	23.25	56.2		32.95	R
PC2007-45	56.2	56.6	C	0.4	C
PC2007-45	56.6	70.35		13.75	R
PC2007-45	70.35	70.7		0.35	CBSH
PC2007-45	70.7	75.65		4.95	R
PC2007-45	75.65	92.95	FSS	17.3	R
PC2007-45	92.95	97		4.05	R
PC2007-45	97	97.45	E0	0.45	CR
PC2007-45	97.45	109.2		11.75	R
PC2007-45	109.2	109.25	E1	0.05	CBSH
PC2007-45	109.25	111.06		1.81	R
PC2007-45	111.06	111.13	E2U	0.07	CR
PC2007-45	111.13	111.28	E2LP	0.15	R
PC2007-45	111.28	111.82	E2L	0.54	C
PC2007-45	111.82	113.58	E3P	1.76	R
PC2007-45	113.58	113.65	E3P	0.07	CR
PC2007-45	113.65	113.74	E3U	0.09	DC
PC2007-45	113.74	113.89	E3U	0.15	C
PC2007-45	113.89	113.94	E3U	0.05	DC
PC2007-45	113.94	113.98		0.04	CR
PC2007-45	113.98	114.09		0.11	R
PC2007-45	114.09	114.22		0.13	CR
PC2007-45	114.22	114.32		0.1	R
PC2007-45	114.32	114.58	E3L	0.26	C
PC2007-45	114.58	115.5		0.92	R
PC2007-45	115.5	115.73		0.23	CBSH
PC2007-45	115.73	115.9	E4	0.17	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-45	115.9	116		0.1	R
PC2007-45	116	116.16		0.16	CR
PC2007-45	116.16	116.84		0.68	R
PC2007-45	116.84	117.01		0.17	CBSH
PC2007-45	117.01	120.91		3.9	R
PC2007-45	120.91	121.04	F1	0.13	DC
PC2007-45	121.04	121.33	F1	0.29	C
PC2007-45	121.33	121.46	F1	0.13	DC
PC2007-45	121.46	121.68	F1	0.22	C
PC2007-45	121.68	121.8	F2P	0.12	CR
PC2007-45	121.8	122.06	F2	0.26	DC
PC2007-45	122.06	122.44	F2	0.38	C
PC2007-45	122.44	133.2	WV_CG	10.76	R
PC2007-45	133.2	141.25	WSS	8.05	R
PC2007-45	141.25	141.6		0.35	R
PC2007-45	141.6	141.9	G1	0.3	CBSH
PC2007-45	141.9	143.6		1.7	R
PC2007-45	143.6	143.95		0.35	CBSH
PC2007-45	143.95	149.76		5.81	R
PC2007-45	149.76	149.87		0.11	CBSH
PC2007-45	149.87	150.01	G	0.14	DC
PC2007-45	150.01	150.42	G	0.41	C
PC2007-45	150.42	150.6	GJPT	0.18	CBSH
PC2007-45	150.6	156.83	GJPT	6.23	R
PC2007-45	156.83	157.03	GJPT	0.2	CBSH
PC2007-45	157.03	157.23	J1	0.2	DC
PC2007-45	157.23	158.52	J1	1.29	C
PC2007-45	158.52	159.53	J2P	1.01	CBSH
PC2007-45	159.53	175.71	J2P	16.18	R
PC2007-45	175.71	175.81	J2P	0.1	CR
PC2007-45	175.81	175.92	J2P	0.11	CBSH
PC2007-45	175.92	176.05	J2P	0.13	DC
PC2007-45	176.05	176.15	J2P	0.1	R
PC2007-45	176.15	176.23	J2P	0.08	CBSH
PC2007-45	176.23	177.46	J2P	1.23	R
PC2007-45	177.46	177.58	J2P	0.12	CBSH
PC2007-45	177.58	177.71	J2U	0.13	DC
PC2007-45	177.71	179.18	J2U	1.47	C
PC2007-45	179.18	180.32	J2L	1.14	C
PC2007-45	180.32	180.59	J3P	0.27	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-45	180.59	182.96	J3P	2.37	R
PC2007-45	182.96	183.06	J3P	0.1	CBSH
PC2007-45	183.06	183.15	J3P	0.09	CR
PC2007-45	183.15	183.22	J3	0.07	DC
PC2007-45	183.22	185.17	J3	1.95	C
PC2007-45	185.17	187.43		2.26	CBSH
PC2007-45	187.43	192.02	QUINTETTE	4.59	R
PC2007-46	0	2.71	DRIFT	2.71	DRIFT
PC2007-46	2.71	40.9	J2P	38.19	R
PC2007-46	40.9	42.35	J2U	1.45	C
PC2007-46	42.35	43.22	J2L	0.87	C
PC2007-46	43.22	43.55	J2L	0.33	DC
PC2007-46	43.55	46.16	J3P	2.61	R
PC2007-46	46.16	48.32	J3	2.16	C
PC2007-46	48.32	51.82	QUINTETTE	3.5	R
PC2007-47	0	1.7	DRIFT	1.7	DRIFT
PC2007-47	1.7	5.5		3.8	R
PC2007-47	5.5	16	FSS	10.5	R
PC2007-47	16	20.6	FT_MT_CG	4.6	R
PC2007-47	20.6	24.9		4.3	R
PC2007-47	24.9	26.3	D	1.4	CR
PC2007-47	26.3	26.75		0.45	CBSH
PC2007-47	26.75	29.1		2.35	R
PC2007-47	29.1	29.7	E0	0.6	DC
PC2007-47	29.7	31.35		1.65	R
PC2007-47	31.35	31.75	E1	0.4	CR
PC2007-47	31.75	31.9		0.15	R
PC2007-47	31.9	32.15		0.25	CBSH
PC2007-47	32.15	32.55		0.4	R
PC2007-47	32.55	32.75		0.2	CR
PC2007-47	32.75	33.05	E2U	0.3	DC
PC2007-47	33.05	33.57	E2L	0.52	C
PC2007-47	33.57	34.79	E3P	1.22	R
PC2007-47	34.79	35.15	E3U	0.36	DC
PC2007-47	35.15	35.3		0.15	CR
PC2007-47	35.3	35.9	E3L	0.6	C
PC2007-47	35.9	36.4		0.5	R
PC2007-47	36.4	37	E4	0.6	CR
PC2007-47	37	39.65		2.65	R
PC2007-47	39.65	40.35	F1	0.7	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-47	40.35	40.45	F2	0.1	DC
PC2007-47	40.45	40.81	F2	0.36	C
PC2007-47	40.81	51.6	WV_CG	10.79	R
PC2007-47	51.6	60.5	WSS	8.9	R
PC2007-47	60.5	67		6.5	R
PC2007-47	67	67.47	G	0.47	C
PC2007-47	67.47	73.45	GJPT	5.98	R
PC2007-47	73.45	74	J1	0.55	C
PC2007-47	74	74.8	J2P	0.8	R
PC2007-47	74.8	85.9	J2P	11.1	R
PC2007-47	85.9	86.4	J2P	0.5	R
PC2007-47	86.4	108	J2P	21.6	R
PC2007-47	108	109.45	J2U	1.45	C
PC2007-47	109.45	110.5	J2L	1.05	C
PC2007-47	110.5	113.25	J3P	2.75	R
PC2007-47	113.25	115.3	J3	2.05	C
PC2007-47	115.3	116.15		0.85	R
PC2007-47	116.15	133.73	QUINTETTE	17.58	R
PC2007-50C	0	2.15	DRIFT	2.15	DRIFT
PC2007-50C	2.15	46.6	J2P	44.45	R
PC2007-50C	46.6	47.85	J2U	1.25	C
PC2007-50C	47.85	48.86	J2L	1.01	C
PC2007-50C	48.86	49.11	J3P	0.25	CR
PC2007-50C	49.11	50.38	J3P	1.27	R
PC2007-50C	50.38	50.9	J3P	0.52	CR
PC2007-50C	50.9	53.3	J3P	2.4	R
PC2007-50C	53.3	53.52	J3	0.22	C
PC2007-50C	53.52	59.44	QUINTETTE	5.92	R
PC2007-51C	0	2.45	DRIFT	2.45	DRIFT
PC2007-51C	2.45	31.61	J2P	29.16	R
PC2007-51C	31.61	33	J2U	1.39	C
PC2007-51C	33	34.24	J2L	1.24	C
PC2007-51C	34.24	37.9	J3P	3.66	R
PC2007-51C	37.9	40.21	J3	2.31	C
PC2007-51C	40.21	44.19	QUINTETTE	3.98	R
PC2007-53C	0	2.15	DRIFT	2.15	DRIFT
PC2007-53C	2.15	39.85	********	37.7	********
PC2007-53C	39.85	40.2	E3U	0.35	DC
PC2007-53C	40.2	40.6		0.4	CR
PC2007-53C	40.6	41	E3L	0.4	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-53C	41	41.55		0.55	R
PC2007-53C	41.55	42.05	E4	0.5	CBSH
PC2007-53C	42.05	44.39		2.34	R
PC2007-53C	44.39	45	F1	0.61	C
PC2007-53C	45	45.39	F2	0.39	DC
PC2007-53C	45.39	45.84	F2	0.45	C
PC2007-53C	45.84	73.8	********	27.96	********
PC2007-53C	73.8	74.49	G	0.69	C
PC2007-53C	74.49	80.33	GJPT	5.84	R
PC2007-53C	80.33	80.98	J1	0.65	C
PC2007-53C	80.98	81.41	J1	0.43	DC
PC2007-53C	81.41	113.63	J2P	32.22	R
PC2007-53C	113.63	115.19	J2U	1.56	C
PC2007-53C	115.19	116.16	J2L	0.97	C
PC2007-53C	116.16	118.15	J3P	1.99	R
PC2007-53C	118.15	121.22	J3	3.07	C
PC2007-53C	121.22	124.97	QUINTETTE	3.75	R
PC2007-54C	0	0.85	DRIFT	0.85	DRIFT
PC2007-54C	0.85	50.75	J2P	49.9	R
PC2007-54C	50.75	50.95	J2U	0.2	DC
PC2007-54C	50.95	52.15	J2L	1.2	C
PC2007-54C	52.15	53	J2L	0.85	C
PC2007-54C	53	58.49	J3P	5.49	R
PC2007-54C	58.49	59.61	J3	1.12	C
PC2007-54C	59.61	60.81	J3	1.2	C
PC2007-54C	60.81	67.01	QUINTETTE	6.2	R
PC2007-55C	0	2.25	DRIFT	2.25	DRIFT
PC2007-55C	2.25	44.1	********	41.85	********
PC2007-55C	44.1	44.47	E3U	0.37	C
PC2007-55C	44.47	44.82		0.35	CR
PC2007-55C	44.82	45.26	E3L	0.44	C
PC2007-55C	45.26	46.02		0.76	R
PC2007-55C	46.02	46.91	E4	0.89	CR
PC2007-55C	46.91	50.3		3.39	R
PC2007-55C	50.3	51.05	F1	0.75	C
PC2007-55C	51.05	51.72	F2	0.67	C
PC2007-55C	51.72	82.6	********	30.88	********
PC2007-55C	82.6	83.45	G	0.85	C
PC2007-55C	83.45	91.82	GJPT	8.37	R
PC2007-55C	91.82	93.23	J1	1.41	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-55C	93.23	124.62	J2P	31.39	R
PC2007-55C	124.62	126.16	J2U	1.54	C
PC2007-55C	126.16	127.41	J2L	1.25	C
PC2007-55C	127.41	129.99	J3P	2.58	R
PC2007-55C	129.99	132.75	J3	2.76	C
PC2007-55C	132.75	137.47	QUINTETTE	4.72	R
PC2007-58C	0	3.6	DRIFT	3.6	DRIFT
PC2007-58C	3.6	7.5		3.9	R
PC2007-58C	7.5	8		0.5	CBSH
PC2007-58C	8	12.25		4.25	R
PC2007-58C	12.25	12.7		0.45	CBSH
PC2007-58C	12.7	24.4		11.7	R
PC2007-58C	24.4	24.9		0.5	CBSH
PC2007-58C	24.9	27.5		2.6	R
PC2007-58C	27.5	27.75		0.25	CBSH
PC2007-58C	27.75	36.15		8.4	R
PC2007-58C	36.15	36.8	C	0.65	C
PC2007-58C	36.8	49.3		12.5	R
PC2007-58C	49.3	72.4	FSS	23.1	R
PC2007-58C	72.4	72.5		0.1	R
PC2007-58C	72.5	72.8		0.3	CBSH
PC2007-58C	72.8	73.1		0.3	R
PC2007-58C	73.1	73.6		0.5	CBSH
PC2007-58C	73.6	78.2		4.6	R
PC2007-58C	78.2	78.8	D	0.6	CR
PC2007-58C	78.8	82.88		4.08	R
PC2007-58C	82.88	83.86	E0	0.98	CBSH
PC2007-58C	83.86	85.35		1.49	R
PC2007-58C	85.35	85.5	E1	0.15	CBSH
PC2007-58C	85.5	86		0.5	R
PC2007-58C	86	86.1	E2U	0.1	DC
PC2007-58C	86.1	86.23	E2LP	0.13	CR
PC2007-58C	86.23	86.37	E2L	0.14	C
PC2007-58C	86.37	86.45	E2L	0.08	DC
PC2007-58C	86.45	86.94	E2L	0.49	C
PC2007-58C	86.94	88.4	E3P	1.46	R
PC2007-58C	88.4	88.51	E3U	0.11	DC
PC2007-58C	88.51	88.71	E3U	0.2	C
PC2007-58C	88.71	88.83		0.12	CR
PC2007-58C	88.83	89.15		0.32	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-58C	89.15	89.2		0.05	CR
PC2007-58C	89.2	89.46	E3L	0.26	C
PC2007-58C	89.46	90.26		0.8	R
PC2007-58C	90.26	90.4		0.14	CBSH
PC2007-58C	90.4	90.57	E4	0.17	CR
PC2007-58C	90.57	90.71		0.14	CBSH
PC2007-58C	90.71	95.95		5.24	R
PC2007-58C	95.95	96.16	F1	0.21	DC
PC2007-58C	96.16	96.73	F1	0.57	C
PC2007-58C	96.73	96.88	F2P	0.15	CR
PC2007-58C	96.88	97.12	F2	0.24	DC
PC2007-58C	97.12	97.6	F2	0.48	C
PC2007-58C	97.6	106.85	WV_CG	9.25	R
PC2007-58C	106.85	113.9	WSS	7.05	R
PC2007-58C	113.9	114.18	G1	0.28	CBSH
PC2007-58C	114.18	114.98		0.8	R
PC2007-58C	114.98	115.16		0.18	CBSH
PC2007-58C	115.16	125.54		10.38	R
PC2007-58C	125.54	125.7		0.16	CBSH
PC2007-58C	125.7	126.37	G	0.67	C
PC2007-58C	126.37	126.6	GJPT	0.23	CBSH
PC2007-58C	126.6	135.46	GJPT	8.86	R
PC2007-58C	135.46	135.65	J1	0.19	DC
PC2007-58C	135.65	136.42	J1	0.77	C
PC2007-58C	136.42	136.53	J1	0.11	CR
PC2007-58C	136.53	136.65	J1	0.12	DC
PC2007-58C	136.65	136.75	J1	0.1	CR
PC2007-58C	136.75	136.86	J1	0.11	DC
PC2007-58C	136.86	137.06	J2P	0.2	CBSH
PC2007-58C	137.06	137.82	J2P	0.76	R
PC2007-58C	137.82	146.22	J2P	8.4	R
PC2007-58C	146.22	146.33	J2P	0.11	CBSH
PC2007-58C	146.33	146.66	J2P	0.33	R
PC2007-58C	146.66	146.75	J2P	0.09	CR
PC2007-58C	146.75	146.84	J2U	0.09	DC
PC2007-58C	146.84	149.56	J2U	2.72	C
PC2007-58C	149.56	150.74	J2L	1.18	C
PC2007-58C	150.74	150.9	J3P	0.16	CR
PC2007-58C	150.9	150.97	J3P	0.07	CBSH
PC2007-58C	150.97	151.13	J3P	0.16	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-58C	151.13	151.46	J3P	0.33	CBSH
PC2007-58C	151.46	152.94	J3P	1.48	R
PC2007-58C	152.94	153.14	J3P	0.2	CBSH
PC2007-58C	153.14	153.28	J3	0.14	DC
PC2007-58C	153.28	153.44	J3	0.16	C
PC2007-58C	153.44	153.54	J3	0.1	DC
PC2007-58C	153.54	153.71	J3	0.17	C
PC2007-58C	153.71	153.78	J3	0.07	DC
PC2007-58C	153.78	154.06	J3	0.28	C
PC2007-58C	154.06	154.39	J3	0.33	DC
PC2007-58C	154.39	156.11	J3	1.72	C
PC2007-58C	156.11	156.26		0.15	CR
PC2007-58C	156.26	157.37	QUINTETTE	1.11	R
PC2007-59C	0	1.2	DRIFT	1.2	DRIFT
PC2007-59C	1.2	30.72	J2P	29.52	R
PC2007-59C	30.72	32.4	J2U	1.68	C
PC2007-59C	32.4	33.52	J2L	1.12	C
PC2007-59C	33.52	36.9	J3P	3.38	R
PC2007-59C	36.9	37	J3P	0.1	CR
PC2007-59C	37	39.12	J3	2.12	C
PC2007-59C	39.12	43.59	QUINTETTE	4.47	R
PC2007-63C	0	1.1	DRIFT	1.1	DRIFT
PC2007-63C	1.1	2.65		1.55	R
PC2007-63C	2.65	2.85	E0	0.2	CBSH
PC2007-63C	2.85	7.85		5	R
PC2007-63C	7.85	8.35	E1	0.5	CBSH
PC2007-63C	8.35	9.9		1.55	R
PC2007-63C	9.9	10		0.1	CBSH
PC2007-63C	10	10.1		0.1	R
PC2007-63C	10.1	10.22	E2U	0.12	DC
PC2007-63C	10.22	10.31	E2LP	0.09	R
PC2007-63C	10.31	10.5	E2L	0.19	C
PC2007-63C	10.5	10.58	E2L	0.08	DC
PC2007-63C	10.58	10.68	E2L	0.1	C
PC2007-63C	10.68	10.79	E2L	0.11	DC
PC2007-63C	10.79	10.9	E2L	0.11	C
PC2007-63C	10.9	11.14	E3P	0.24	CBSH
PC2007-63C	11.14	12.3	E3P	1.16	R
PC2007-63C	12.3	12.65	E3U	0.35	DC
PC2007-63C	12.65	12.86	E3U	0.21	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-63C	12.86	12.95	E3U	0.09	DC
PC2007-63C	12.95	13.05	E3U	0.1	C
PC2007-63C	13.05	14.7		1.65	R
PC2007-63C	14.7	14.85	E3L	0.15	CR
PC2007-63C	14.85	40.55		25.7	R
PC2007-63C	40.55	40.7	F1	0.15	CBSH
PC2007-63C	40.7	47.4	F2P	6.7	R
PC2007-63C	47.4	47.53	F2P	0.13	CBSH
PC2007-63C	47.53	47.77	F2	0.24	C
PC2007-63C	47.77	59.15	WV_CG	11.38	R
PC2007-63C	59.15	65.85	WSS	6.7	R
PC2007-63C	65.85	66		0.15	R
PC2007-63C	66	66.03	G1	0.03	C
PC2007-63C	66.03	66.26		0.23	CBSH
PC2007-63C	66.26	71.45		5.19	R
PC2007-63C	71.45	71.8		0.35	CBSH
PC2007-63C	71.8	82.72		10.92	R
PC2007-63C	82.72	82.85		0.13	CBSH
PC2007-63C	82.85	83.9	G	1.05	C
PC2007-63C	83.9	84.01	GJPT	0.11	CBSH
PC2007-63C	84.01	95.72	GJPT	11.71	R
PC2007-63C	95.72	95.91	GJPT	0.19	CR
PC2007-63C	95.91	95.98	J1	0.07	DC
PC2007-63C	95.98	97.18	J1	1.2	C
PC2007-63C	97.18	97.3	J2U	0.12	DC
PC2007-63C	97.3	97.41	J2U	0.11	C
PC2007-63C	97.41	97.48	J2U	0.07	DC
PC2007-63C	97.48	98.95	J2U	1.47	C
PC2007-63C	98.95	99.05	J2U	0.1	CBSH
PC2007-63C	99.05	100.08	J2U	1.03	C
PC2007-63C	100.08	100.34	J2L	0.26	DC
PC2007-63C	100.34	101.74	J2L	1.4	C
PC2007-63C	101.74	102	J3P	0.26	CBSH
PC2007-63C	102	103.07	J3P	1.07	R
PC2007-63C	103.07	103.25	J3P	0.18	CBSH
PC2007-63C	103.25	106.35	J3	3.1	C
PC2007-63C	106.35	106.6		0.25	CBSH
PC2007-63C	106.6	107.1		0.5	R
PC2007-63C	107.1	109.95	QUINTETTE	2.85	R
PC2007-64C	0	2.8	DRIFT	2.8	DRIFT

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-64C	2.8	12.35	WV_CG	9.55	R
PC2007-64C	12.35	17.25	WSS	4.9	R
PC2007-64C	17.25	17.7	G1	0.45	DC
PC2007-64C	17.7	18.1		0.4	CBSH
PC2007-64C	18.1	32.35		14.25	R
PC2007-64C	32.35	32.58		0.23	CR
PC2007-64C	32.58	33.26	G	0.68	C
PC2007-64C	33.26	33.3	G	0.04	DC
PC2007-64C	33.3	33.36	G	0.06	C
PC2007-64C	33.36	33.42	G	0.06	DC
PC2007-64C	33.42	42.58	GJPT	9.16	R
PC2007-64C	42.58	42.63	GJPT	0.05	CR
PC2007-64C	42.63	42.78	J1	0.15	DC
PC2007-64C	42.78	43.8	J1	1.02	C
PC2007-64C	43.8	43.91	J1	0.11	DC
PC2007-64C	43.91	44.37	J1	0.46	C
PC2007-64C	44.37	44.45	J2P	0.08	CBSH
PC2007-64C	44.45	44.61	J2U	0.16	C
PC2007-64C	44.61	44.69	J2U	0.08	DC
PC2007-64C	44.69	46.53	J2U	1.84	C
PC2007-64C	46.53	47.82	J2L	1.29	C
PC2007-64C	47.82	47.88	J2L	0.06	DC
PC2007-64C	47.88	48.11	J3P	0.23	CBSH
PC2007-64C	48.11	49.06	J3P	0.95	R
PC2007-64C	49.06	49.23	J3P	0.17	CR
PC2007-64C	49.23	51.38	J3	2.15	C
PC2007-64C	51.38	52.02	QUINTETTE	0.64	R
PC2007-65C	0	1.7	DRIFT	1.7	DRIFT
PC2007-65C	1.7	9.85		8.15	R
PC2007-65C	9.85	10	F1	0.15	CBSH
PC2007-65C	10	10.94	F2P	0.94	R
PC2007-65C	10.94	11.17	F2P	0.23	CBSH
PC2007-65C	11.17	11.24	F2	0.07	DC
PC2007-65C	11.24	11.65	F2	0.41	C
PC2007-65C	11.65	25.35	WV_CG	13.7	R
PC2007-65C	25.35	30.7	WSS	5.35	R
PC2007-65C	30.7	31	G1	0.3	CBSH
PC2007-65C	31	47.24		16.24	R
PC2007-65C	47.24	47.5	G	0.26	DC
PC2007-65C	47.5	48.07	G	0.57	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-65C	48.07	48.49	G	0.42	DC
PC2007-65C	48.49	64.58	GJPT	16.09	R
PC2007-65C	64.58	64.82	GJPT	0.24	CBSH
PC2007-65C	64.82	66.42	J1	1.6	C
PC2007-65C	66.42	66.57	J1	0.15	DC
PC2007-65C	66.57	67.05	J1	0.48	C
PC2007-65C	67.05	67.16	J2P	0.11	CBSH
PC2007-65C	67.16	67.32	J2U	0.16	C
PC2007-65C	67.32	67.42	J2U	0.1	DC
PC2007-65C	67.42	68.14	J2U	0.72	C
PC2007-65C	68.14	68.23	J2U	0.09	CBSH
PC2007-65C	68.23	68.42	J2U	0.19	C
PC2007-65C	68.42	68.49	J2U	0.07	DC
PC2007-65C	68.49	69.58	J2U	1.09	C
PC2007-65C	69.58	69.74	J2LP	0.16	CBSH
PC2007-65C	69.74	70.02	J2L	0.28	DC
PC2007-65C	70.02	71.38	J2L	1.36	C
PC2007-65C	71.38	71.75	J3P	0.37	CR
PC2007-65C	71.75	71.9	J3P	0.15	CBSH
PC2007-65C	71.9	72.52	J3P	0.62	R
PC2007-65C	72.52	72.65	J3P	0.13	CR
PC2007-65C	72.65	72.85	J3	0.2	DC
PC2007-65C	72.85	77.11	J3	4.26	C
PC2007-65C	77.11	77.31		0.2	CBSH
PC2007-65C	77.31	81.79	QUINTETTE	4.48	R
PC2007-66C	0	2.45	DRIFT	2.45	DRIFT
PC2007-66C	2.45	14.3	WV_CG	11.85	R
PC2007-66C	14.3	20.72	WSS	6.42	R
PC2007-66C	20.72	20.95		0.23	CBSH
PC2007-66C	20.95	21.5	G1	0.55	DC
PC2007-66C	21.5	21.85		0.35	CR
PC2007-66C	21.85	22.71		0.86	CBSH
PC2007-66C	22.71	22.92		0.21	R
PC2007-66C	22.92	23.17		0.25	FAULT
PC2007-66C	23.17	27.55		4.38	R
PC2007-66C	27.55	28.25		0.7	CBSH
PC2007-66C	28.25	40.3		12.05	R
PC2007-66C	40.3	40.47		0.17	CR
PC2007-66C	40.47	41.18	G	0.71	C
PC2007-66C	41.18	41.31	G	0.13	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-66C	41.31	41.57	GJPT	0.26	CR
PC2007-66C	41.57	52.97	GJPT	11.4	R
PC2007-66C	52.97	53.08	J1	0.11	DC
PC2007-66C	53.08	54.52	J1	1.44	C
PC2007-66C	54.52	54.7	J2P	0.18	CR
PC2007-66C	54.7	54.81	J2U	0.11	DC
PC2007-66C	54.81	56.11	J2U	1.3	C
PC2007-66C	56.11	56.21	J2U	0.1	R
PC2007-66C	56.21	56.43	J2U	0.22	CR
PC2007-66C	56.43	57.41	J2U	0.98	C
PC2007-66C	57.41	57.6	J2U	0.19	DC
PC2007-66C	57.6	57.9	J2LP	0.3	CR
PC2007-66C	57.9	57.98	J2L	0.08	DC
PC2007-66C	57.98	59.36	J2L	1.38	C
PC2007-66C	59.36	59.76	J3P	0.4	R
PC2007-66C	59.76	59.86	J3P	0.1	DC
PC2007-66C	59.86	60.62	J3P	0.76	R
PC2007-66C	60.62	63.39	J3	2.77	C
PC2007-66C	63.39	63.92	QUINTETTE	0.53	R
PC2007-67C	0	2.35	DRIFT	2.35	DRIFT
PC2007-67C	2.35	9.15		6.8	R
PC2007-67C	9.15	9.16	F1	0.01	CBSH
PC2007-67C	9.16	11.45	F2P	2.29	R
PC2007-67C	11.45	11.97	F2	0.52	C
PC2007-67C	11.97	23.45	WV_CG	11.48	R
PC2007-67C	23.45	29.25	WSS	5.8	R
PC2007-67C	29.25	29.6	G1	0.35	CBSH
PC2007-67C	29.6	43.72		14.12	R
PC2007-67C	43.72	43.81		0.09	CBSH
PC2007-67C	43.81	43.94		0.13	CR
PC2007-67C	43.94	44.74	G	0.8	C
PC2007-67C	44.74	57.57	GJPT	12.83	R
PC2007-67C	57.57	57.66	GJPT	0.09	CR
PC2007-67C	57.66	57.72	J1	0.06	DC
PC2007-67C	57.72	58.97	J1	1.25	C
PC2007-67C	58.97	59.05	J1	0.08	DC
PC2007-67C	59.05	59.71	J1	0.66	C
PC2007-67C	59.71	59.81	J2P	0.1	CR
PC2007-67C	59.81	59.99	J2U	0.18	C
PC2007-67C	59.99	60.06	J2U	0.07	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-67C	60.06	62.68	J2U	2.62	C
PC2007-67C	62.68	62.86	J2L	0.18	DC
PC2007-67C	62.86	64.92	J2L	2.06	C
PC2007-67C	64.92	64.94	J2L	0.02	FAULT
PC2007-67C	64.94	66.42	J2L	1.48	C
PC2007-67C	66.42	67.02	J3P	0.6	CBSH
PC2007-67C	67.02	67.56	J3P	0.54	R
PC2007-67C	67.56	67.61	J3P	0.05	CR
PC2007-67C	67.61	67.77	J3	0.16	DC
PC2007-67C	67.77	70.66	J3	2.89	C
PC2007-67C	70.66	71.76	QUINTETTE	1.1	R
PC2007-67C	71.76	71.78	J3	0.02	FAULT
PC2007-67C	71.78	71.92	J3	0.14	DC
PC2007-67C	71.92	73.3	J3	1.38	C
PC2007-67C	73.3	76.38	QUINTETTE	3.08	R
PC2007-68C	0	2.4	DRIFT	2.4	DRIFT
PC2007-68C	2.4	11.95	WV_CG	9.55	R
PC2007-68C	11.95	17.85	WSS	5.9	R
PC2007-68C	17.85	18.32		0.47	R
PC2007-68C	18.32	18.85	G1	0.53	DC
PC2007-68C	18.85	19.2		0.35	R
PC2007-68C	19.2	19.5		0.3	CBSH
PC2007-68C	19.5	23.35		3.85	R
PC2007-68C	23.35	23.65		0.3	CBSH
PC2007-68C	23.65	34.96		11.31	R
PC2007-68C	34.96	35.11		0.15	CBSH
PC2007-68C	35.11	35.24	G	0.13	DC
PC2007-68C	35.24	35.78	G	0.54	C
PC2007-68C	35.78	36.27	G	0.49	DC
PC2007-68C	36.27	45.93	GJPT	9.66	R
PC2007-68C	45.93	46.05	J1	0.12	DC
PC2007-68C	46.05	47.76	J1	1.71	C
PC2007-68C	47.76	47.85	J2P	0.09	CR
PC2007-68C	47.85	49.94	J2U	2.09	C
PC2007-68C	49.94	51.24	J2L	1.3	C
PC2007-68C	51.24	51.28	J2L	0.04	DC
PC2007-68C	51.28	51.62	J3P	0.34	R
PC2007-68C	51.62	51.73	J3P	0.11	CBSH
PC2007-68C	51.73	52.55	J3P	0.82	R
PC2007-68C	52.55	52.71	J3P	0.16	CR

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC2007-68C	52.71	52.78	J3	0.07	DC
PC2007-68C	52.78	54.81	J3	2.03	C
PC2007-68C	54.81	54.87	J3	0.06	DC
PC2007-68C	54.87	57.81	QUINTETTE	2.94	R
PC-08-01	0	7.3	DRIFT	7.3	DRIFT
PC-08-01	7.3	7.4		0.1	R
PC-08-01	7.4	7.8	G1	0.4	CR
PC-08-01	7.8	14.56		6.76	R
PC-08-01	14.56	14.88	G	0.32	CR
PC-08-01	14.88	16.8	GJPT	1.92	R
PC-08-01	16.8	17.3	J1	0.5	DC
PC-08-01	17.3	18.12	J1	0.82	C
PC-08-01	18.12	55.15	J2P	37.03	R
PC-08-01	55.15	55.66	J2U	0.51	C
PC-08-01	55.66	56.01	J2U	0.35	DC
PC-08-01	56.01	57.2	J2LP	1.19	R
PC-08-01	57.2	57.4	J2LP	0.2	CBSH
PC-08-01	57.4	57.6	J2LP	0.2	R
PC-08-01	57.6	57.85	J2LP	0.25	DC
PC-08-01	57.85	58.98	J2LP	1.13	R
PC-08-01	58.98	59.13	J2LP	0.15	CR
PC-08-01	59.13	59.41	J2L	0.28	DC
PC-08-01	59.41	59.74	J2L	0.33	CBSH
PC-08-01	59.74	59.99	J2L	0.25	DC
PC-08-01	59.99	60.2	J2L	0.21	CR
PC-08-01	60.2	60.4	J2L	0.2	DC
PC-08-01	60.4	67.71	J3P	7.31	R
PC-08-01	67.71	69.95	J3	2.24	C
PC-08-01	69.95	71.7		1.75	R
PC-08-01	71.7	102.85	QUINTETTE	31.15	R
PC-08-01	102.85	120.65	MEDIAL_SILT	17.8	R
PC-08-01	120.65	120.8	MEDIAL_SILT	0.15	ASH
PC-08-01	120.8	133	TORRENS	12.2	R
PC-08-01	133	163.2	SPIEKER	30.2	R
PC-08-01	163.2	195.07	COWMOOSE	31.87	R
PC-08-02	0	11.2	DRIFT	11.2	DRIFT
PC-08-02	11.2	20.71	********	9.51	********
PC-08-02	20.71	21.01	G	0.3	DC
PC-08-02	21.01	21.6	GJPT	0.59	R
PC-08-02	21.6	21.9	GJPT	0.3	CR

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-08-02	21.9	22.49	GJPT	0.59	R
PC-08-02	22.49	22.69	GJPT	0.2	CR
PC-08-02	22.69	22.87	J1	0.18	DC
PC-08-02	22.87	23.1	J1	0.23	CR
PC-08-02	23.1	23.79	J1	0.69	C
PC-08-02	23.79	62.49	J2P	38.7	R
PC-08-02	62.49	63.03	J2U	0.54	C
PC-08-02	63.03	63.85	J2LP	0.82	R
PC-08-02	63.85	64.15	J2LP	0.3	CBSH
PC-08-02	64.15	64.5	J2LP	0.35	R
PC-08-02	64.5	64.81	J2LP	0.31	CBSH
PC-08-02	64.81	66.2	J2LP	1.39	R
PC-08-02	66.2	66.58	J2L	0.38	DC
PC-08-02	66.58	66.95	J2L	0.37	R
PC-08-02	66.95	67.38	J2L	0.43	C
PC-08-02	67.38	75.36	J3P	7.98	R
PC-08-02	75.36	77.48	J3	2.12	C
PC-08-02	77.48	85.34	QUINTETTE	7.86	R
PC-08-03	0	42.4	DRIFT	42.4	DRIFT
PC-08-03	42.4	60.5	********	18.1	********
PC-08-03	60.5	60.95	F1	0.45	CR
PC-08-03	60.95	61.3	F2P	0.35	R
PC-08-03	61.3	61.5	F2	0.2	C
PC-08-03	61.5	61.7	F2	0.2	DC
PC-08-03	61.7	61.9	F2	0.2	C
PC-08-03	61.9	85.6	********	23.7	********
PC-08-03	85.6	86.05	G	0.45	DC
PC-08-03	86.05	87.65	GJPT	1.6	R
PC-08-03	87.65	87.9	J1	0.25	DC
PC-08-03	87.9	88.2	J1	0.3	C
PC-08-03	88.2	130.28	J2P	42.08	R
PC-08-03	130.28	130.58	J2U	0.3	DC
PC-08-03	130.58	130.95	J2U	0.37	C
PC-08-03	130.95	132.5	J2LP	1.55	R
PC-08-03	132.5	132.68	J2LP	0.18	CBSH
PC-08-03	132.68	133.69	J2LP	1.01	R
PC-08-03	133.69	134.11	J2L	0.42	C
PC-08-03	134.11	134.31	J2L	0.2	CR
PC-08-03	134.31	134.6	J2L	0.29	DC
PC-08-03	134.6	134.8	J2L	0.2	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-08-03	134.8	142.75	J3P	7.95	R
PC-08-03	142.75	144.95	J3	2.2	C
PC-08-03	144.95	155.44	QUINTETTE	10.49	R
PC-08-04	0	13.4	DRIFT	13.4	DRIFT
PC-08-04	13.4	63.65	********	50.25	********
PC-08-04	63.65	63.8	E3U	0.15	CR
PC-08-04	63.8	64.2		0.4	R
PC-08-04	64.2	64.4	E3L	0.2	DC
PC-08-04	64.4	64.55		0.15	CR
PC-08-04	64.55	64.75		0.2	R
PC-08-04	64.75	64.85	E4	0.1	CR
PC-08-04	64.85	65.6		0.75	R
PC-08-04	65.6	65.95	F1	0.35	DC
PC-08-04	65.95	66.25	F2P	0.3	CR
PC-08-04	66.25	66.3	F2P	0.05	R
PC-08-04	66.3	66.5	F2P	0.2	CR
PC-08-04	66.5	66.7	F2	0.2	DC
PC-08-04	66.7	90.65	********	23.95	********
PC-08-04	90.65	90.7	G	0.05	DC
PC-08-04	90.7	90.9	G	0.2	C
PC-08-04	90.9	93.9	GJPT	3	R
PC-08-04	93.9	94.3	GJPT	0.4	CR
PC-08-04	94.3	94.95	J1	0.65	C
PC-08-04	94.95	130.65	J2P	35.7	R
PC-08-04	130.65	131.45	J2U	0.8	DC
PC-08-04	131.45	131.8	J2LP	0.35	CR
PC-08-04	131.8	134.4	J2LP	2.6	R
PC-08-04	134.4	134.7	J2L	0.3	CR
PC-08-04	134.7	134.85	J2L	0.15	CBSH
PC-08-04	134.85	135	J2L	0.15	CR
PC-08-04	135	135.3	J3P	0.3	R
PC-08-04	135.3	135.45	J3P	0.15	CBSH
PC-08-04	135.45	142.6	J3P	7.15	R
PC-08-04	142.6	144.65	J3	2.05	C
PC-08-04	144.65	152.4	QUINTETTE	7.75	R
PC-08-05C	0	37.45	DRIFT	37.45	DRIFT
PC-08-05C	37.45	58.6	********	21.15	********
PC-08-05C	58.6	58.8	E3U	0.2	CBSH
PC-08-05C	58.8	59		0.2	R
PC-08-05C	59	59.25	E3L	0.25	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-08-05C	59.25	59.4	E3L	0.15	C
PC-08-05C	59.4	59.9		0.5	R
PC-08-05C	59.9	60.05	E4	0.15	CR
PC-08-05C	60.05	61		0.95	R
PC-08-05C	61	61.15		0.15	CR
PC-08-05C	61.15	61.45	F1	0.3	C
PC-08-05C	61.45	61.65	F1	0.2	DC
PC-08-05C	61.65	61.9	F2P	0.25	R
PC-08-05C	61.9	62.1	F2P	0.2	CR
PC-08-05C	62.1	62.3	F2	0.2	C
PC-08-05C	62.3	87.08	********	24.78	********
PC-08-05C	87.08	87.46	G	0.38	C
PC-08-05C	87.46	91.25	GJPT	3.79	R
PC-08-05C	91.25	92.05	J1	0.8	C
PC-08-05C	92.05	127.4	J2P	35.35	R
PC-08-06C	0	30.15	DRIFT	30.15	DRIFT
PC-08-06C	30.15	56.7	********	26.55	********
PC-08-06C	56.7	57	E3U	0.3	C
PC-08-06C	57	57.3	E3L	0.3	DC
PC-08-06C	57.3	57.6	E3L	0.3	C
PC-08-06C	57.6	57.92		0.32	R
PC-08-06C	57.92	58.2	E4	0.28	DC
PC-08-06C	58.2	59.12		0.92	R
PC-08-06C	59.12	59.55	F1	0.43	C
PC-08-06C	59.55	59.7	F1	0.15	DC
PC-08-06C	59.7	59.87	F1	0.17	C
PC-08-06C	59.87	60.18	F2P	0.31	CR
PC-08-06C	60.18	60.6	F2	0.42	C
PC-08-06C	60.6	88.4	********	27.8	********
PC-08-06C	88.4	88.68	G	0.28	C
PC-08-06C	88.68	90.11	GJPT	1.43	R
PC-08-06C	90.11	90.6	J1	0.49	DC
PC-08-06C	90.6	91.44	J1	0.84	C
PC-08-06C	91.44	91.51	J1	0.07	DC
PC-08-06C	91.51	91.8	J2P	0.29	CR
PC-08-06C	91.8	92.08	J2P	0.28	CBSH
PC-08-06C	92.08	92.4	J2P	0.32	CR
PC-08-06C	92.4	97.75	J2P	5.35	R
PC-08-06C	97.75	98.1	FAULT	0.35	FAULT
PC-08-06C	98.1	119.12	J2P	21.02	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-08-06C	119.12	119.47	J2U	0.28	DC
PC-08-06C	119.47	120.8	J2U	1.4	C
PC-08-06C	120.8	122.45	J2LP	1.65	R
PC-08-06C	122.45	122.7	J2LP	0.25	CBSH
PC-08-06C	122.7	123.82	J2LP	1.12	R
PC-08-06C	123.82	124.18	J2L	0.36	C
PC-08-06C	124.18	124.33	J2L	0.15	DC
PC-08-06C	124.33	124.5	J2L	0.17	C
PC-08-06C	124.5	124.69	J2L	0.19	DC
PC-08-06C	124.69	124.92	J2L	0.23	C
PC-08-06C	124.92	129.25	J3P	4.33	R
PC-08-06C	129.25	129.44	J3	0.19	DC
PC-08-06C	129.44	131.6	J3	2.16	C
PC-08-06C	131.6	139.6	QUINTETTE	8	R
PC-08-07	0	8.5	DRIFT	8.5	DRIFT
PC-08-07	8.5	97.2	********	88.7	********
PC-08-07	97.2	97.45	E3U	0.25	DC
PC-08-07	97.45	97.7		0.25	CBSH
PC-08-07	97.7	98.04	E3L	0.34	C
PC-08-07	98.04	98.29		0.25	R
PC-08-07	98.29	98.68	E4	0.39	DC
PC-08-07	98.68	99.54		0.86	R
PC-08-07	99.54	100.2	F1	0.66	C
PC-08-07	100.2	100.48	F2P	0.28	CBSH
PC-08-07	100.48	101.01	F2	0.53	C
PC-08-07	101.01	131.2	********	30.19	********
PC-08-07	131.2	131.48	G	0.28	DC
PC-08-07	131.48	132.88	GJPT	1.4	R
PC-08-07	132.88	133.05	GJPT	0.17	CR
PC-08-07	133.05	134.3	J1	1.25	C
PC-08-07	134.3	134.86	J1	0.56	DC
PC-08-07	134.86	164.13	J2P	29.27	R
PC-08-07	164.13	164.95	J2U	0.82	C
PC-08-07	164.95	166.05	J2LP	1.1	R
PC-08-07	166.05	166.41	J2LP	0.36	C
PC-08-07	166.41	168	J2LP	1.59	R
PC-08-07	168	168.4	J2L	0.4	C
PC-08-07	168.4	168.74	J2L	0.34	R
PC-08-07	168.74	169.25	J2L	0.51	DC
PC-08-07	169.25	173.6	J3P	4.35	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-08-07	173.6	175.99	J3	2.39	C
PC-08-07	175.99	187.02	QUINTETTE	11.03	R
PC-08-08C	0	8	DRIFT	8	DRIFT
PC-08-08C	8	67.7	********	59.7	********
PC-08-08C	67.7	68	E3U	0.3	DC
PC-08-08C	68	68.3		0.3	CBSH
PC-08-08C	68.3	68.58	E3L	0.28	C
PC-08-08C	68.58	68.89		0.31	R
PC-08-08C	68.89	69.2	E4	0.31	DC
PC-08-08C	69.2	69.88		0.68	R
PC-08-08C	69.88	70.6	F1	0.72	C
PC-08-08C	70.6	70.81	F2P	0.21	CR
PC-08-08C	70.81	71.33	F2	0.52	C
PC-08-08C	71.33	97.45	********	26.12	********
PC-08-08C	97.45	97.98	G	0.53	CR
PC-08-08C	97.98	98.3	GJPT	0.32	R
PC-08-08C	98.3	98.5	GJPT	0.2	CBSH
PC-08-08C	98.5	99.35	GJPT	0.85	R
PC-08-08C	99.35	99.9	GJPT	0.55	CBSH
PC-08-08C	99.9	100.2	GJPT	0.3	CR
PC-08-08C	100.2	101.15	J1	0.95	C
PC-08-08C	101.15	107.7	J2P	6.55	R
PC-08-08C	107.7	107.92	J2P	0.22	CBSH
PC-08-08C	107.92	139.5	J2P	31.58	R
PC-08-08C	139.5	141.1	J2U	1.6	C
PC-08-08C	141.1	142.2	J2LP	1.1	R
PC-08-08C	142.2	142.35	J2LP	0.15	CBSH
PC-08-08C	142.35	142.75	J2LP	0.4	R
PC-08-08C	142.75	142.95	J2LP	0.4	CBSH
PC-08-08C	142.95	143.95	J2LP	1	R
PC-08-08C	143.95	144.12	J2LP	0.17	CR
PC-08-08C	144.12	144.45	J2L	0.33	DC
PC-08-08C	144.45	144.95	J2L	0.5	R
PC-08-08C	144.95	145.31	J2L	0.36	CR
PC-08-08C	145.31	145.7	J2L	0.39	C
PC-08-08C	145.7	150.9	J3P	5.2	R
PC-08-08C	150.9	151.2	J3P	0.3	CBSH
PC-08-08C	151.2	153.22	J3	2.02	C
PC-08-08C	153.22	165.5	QUINTETTE	12.28	R
PC-08-09	0	14.3	DRIFT	14.3	DRIFT

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-08-09	14.3	73.85	********	59.55	********
PC-08-09	73.85	74.17	E3U	0.32	C
PC-08-09	74.17	74.44		0.27	CBSH
PC-08-09	74.44	74.8	E3L	0.36	C
PC-08-09	74.8	75.12		0.32	R
PC-08-09	75.12	75.41	E4	0.29	DC
PC-08-09	75.41	75.7		0.29	CR
PC-08-09	75.7	77.2		1.5	R
PC-08-09	77.2	78.02	F1	0.82	C
PC-08-09	78.02	78.3	F2P	0.28	CBSH
PC-08-09	78.3	78.9	F2	0.6	C
PC-08-09	78.9	106.52	********	27.62	********
PC-08-09	106.52	106.9	G	0.38	C
PC-08-09	106.9	109.6	GJPT	2.7	R
PC-08-09	109.6	110.72	J1	1.12	C
PC-08-09	110.72	110.97	J1	0.25	CR
PC-08-09	110.97	111.28	J1	0.31	C
PC-08-09	111.28	130.7	J2P	19.42	R
PC-08-09	130.7	131.2	J2U	0.5	C
PC-08-09	131.2	131.46	J2U	0.26	CR
PC-08-09	131.46	132.68	J2U	1.22	C
PC-08-09	132.68	134.9	J2LP	2.22	R
PC-08-09	134.9	135.9	J2L	1	C
PC-08-09	135.9	139.6	J3P	3.7	R
PC-08-09	139.6	141.99	J3	2.39	C
PC-08-09	141.99	164.5	QUINTETTE	22.51	R
PC-08-10	0	11.5	DRIFT	11.5	DRIFT
PC-08-10	11.5	81	********	69.5	********
PC-08-10	81	81.3	E3U	0.3	C
PC-08-10	81.3	81.65		0.35	CBSH
PC-08-10	81.65	82	E3L	0.35	C
PC-08-10	82	82.5		0.5	R
PC-08-10	82.5	82.8	E4	0.3	CR
PC-08-10	82.8	84.53		1.73	R
PC-08-10	84.53	84.9	F1	0.37	C
PC-08-10	84.9	85.05	F1	0.15	DC
PC-08-10	85.05	85.2	F1	0.15	C
PC-08-10	85.2	85.53	F2	0.33	DC
PC-08-10	85.53	86.02	F2	0.49	C
PC-08-10	86.02	109.53	********	23.51	********

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-08-10	109.53	110	G	0.47	C
PC-08-10	110	114.35	GJPT	4.35	R
PC-08-10	114.35	115.33	J1	0.98	C
PC-08-10	115.33	115.75	J2P	0.42	R
PC-08-10	115.75	116.02	J2P	0.27	DC
PC-08-10	116.02	147	J2P	30.98	R
PC-08-10	147	147.42	J2P	0.42	CBSH
PC-08-10	147.42	148.4	J2U	0.98	C
PC-08-10	148.4	148.8	J2LP	0.4	CBSH
PC-08-10	148.8	149.09	J2LP	0.29	DC
PC-08-10	149.09	149.41	J2LP	0.32	R
PC-08-10	149.41	150.32	J2L	0.91	C
PC-08-10	150.32	150.5	J3P	0.18	CBSH
PC-08-10	150.5	154.6	J3P	4.1	R
PC-08-10	154.6	155.71	J3	1.11	C
PC-08-10	155.71	156.01	J3	0.3	DC
PC-08-10	156.01	156.9	J3	0.89	C
PC-08-10	156.9	184.5	QUINTETTE	27.6	R
PC-08-10	184.5	200.03	MEDIAL_SILT	15.53	R
PC-08-11	0	8.7	DRIFT	8.7	DRIFT
PC-08-11	8.7	53.2	********	44.5	********
PC-08-11	53.2	53.78	FAULT	0.58	FAULT
PC-08-11	53.78	66.5		12.72	R
PC-08-11	66.5	66.8	E3U	0.3	C
PC-08-11	66.8	67.08		0.28	CR
PC-08-11	67.08	67.47	E3L	0.39	C
PC-08-11	67.47	68.02		0.55	R
PC-08-11	68.02	68.32		0.3	CR
PC-08-11	68.32	68.65	E4	0.33	CBSH
PC-08-11	68.65	69.55		0.9	R
PC-08-11	69.55	69.85	F1	0.3	C
PC-08-11	69.85	70	F1	0.15	DC
PC-08-11	70	70.1	F1	0.1	C
PC-08-11	70.1	70.3	F1	0.2	DC
PC-08-11	70.3	70.52	F1	0.22	C
PC-08-11	70.52	70.8	F2P	0.28	CR
PC-08-11	70.8	71.2	F2	0.4	C
PC-08-11	71.2	94.65	********	23.45	********
PC-08-11	94.65	95.12	G	0.47	C
PC-08-11	95.12	100.5	GJPT	5.38	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-08-11	100.5	101.15	J1	0.65	C
PC-08-11	101.15	101.4	J1	0.25	DC
PC-08-11	101.4	124	J2P	22.6	R
PC-08-11	124	124.6	FAULT	0.6	FAULT
PC-08-11	124.6	142.1	J2P	17.5	R
PC-08-11	142.1	142.5	J2U	0.4	C
PC-08-11	142.5	142.83	J2U	0.33	CR
PC-08-11	142.83	143.5	J2U	0.67	DC
PC-08-11	143.5	143.69	J2U	0.19	C
PC-08-11	143.69	143.96	J2LP	0.27	CBSH
PC-08-11	143.96	144.3	J2LP	0.34	R
PC-08-11	144.3	145.05	J2L	0.75	C
PC-08-11	145.05	149.22	J3P	4.17	R
PC-08-11	149.22	149.4	J3	0.18	DC
PC-08-11	149.4	150.81	J3	1.41	C
PC-08-11	150.81	151.12	J3	0.31	DC
PC-08-11	151.12	151.46	J3	0.34	C
PC-08-11	151.46	158.49	QUINTETTE	7.03	R
PC-08-12	0	11.7	DRIFT	11.7	DRIFT
PC-08-12	11.7	69.6	********	57.9	********
PC-08-12	69.6	69.89	E3U	0.29	C
PC-08-12	69.89	70		0.11	CR
PC-08-12	70	70.5	E3L	0.5	C
PC-08-12	70.5	70.98		0.48	R
PC-08-12	70.98	71.52	E4	0.54	DC
PC-08-12	71.52	72.6		1.08	R
PC-08-12	72.6	72.9	F1	0.3	C
PC-08-12	72.9	73.19	F1	0.29	DC
PC-08-12	73.19	73.33	F1	0.14	C
PC-08-12	73.33	73.54	F2	0.21	DC
PC-08-12	73.54	74.05	F2	0.51	C
PC-08-12	74.05	99.15	********	25.1	********
PC-08-12	99.15	99.5	G	0.35	C
PC-08-12	99.5	106.19	GJPT	6.69	R
PC-08-12	106.19	106.58	J1	0.39	C
PC-08-12	106.58	106.85	J1	0.27	DC
PC-08-12	106.85	108.2	J1	1.35	C
PC-08-12	108.2	124.68	J2P	16.48	R
PC-08-12	124.68	124.9	POSSIBLE	0.22	FAULT
PC-08-12	124.9	155.41	J2P	30.51	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-08-12	155.41	155.78	J2U	0.37	DC
PC-08-12	155.78	156.05	J2LP	0.27	CBSH
PC-08-12	156.05	158.5	J2LP	2.45	R
PC-08-12	158.5	159.36	J2L	0.86	C
PC-08-12	159.36	165.4	J3P	6.04	R
PC-08-12	165.4	168.18	J3	2.78	C
PC-08-12	168.18	171.54	QUINTETTE	3.36	R
PC-08-14	0	5.3	DRIFT	5.3	DRIFT
PC-08-14	5.3	94.3	********	89	********
PC-08-14	94.3	94.55	E3U	0.25	C
PC-08-14	94.55	94.88		0.33	R
PC-08-14	94.88	95.15	E3L	0.27	C
PC-08-14	95.15	95.45		0.3	R
PC-08-14	95.45	95.75	E4	0.3	CR
PC-08-14	95.75	96.21		0.46	R
PC-08-14	96.21	96.52	F1	0.31	C
PC-08-14	96.52	96.84	F1	0.32	DC
PC-08-14	96.84	97.3	F2	0.46	DC
PC-08-14	97.3	97.6	F2	0.3	C
PC-08-14	97.6	121.3	********	23.7	********
PC-08-14	121.3	121.61	G	0.31	C
PC-08-14	121.61	124.56	GJPT	2.95	R
PC-08-14	124.56	125	J1	0.44	DC
PC-08-14	125	125.62	J1	0.62	C
PC-08-14	125.62	165.09	J2P	39.47	R
PC-08-14	165.09	165.42	J2U	0.33	C
PC-08-14	165.42	168.22	J2LP	2.8	R
PC-08-14	168.22	168.45	J2LP	0.23	CBSH
PC-08-14	168.45	168.65	J2L	0.2	DC
PC-08-14	168.65	168.97	J2L	0.32	C
PC-08-14	168.97	169.4	J2L	0.43	DC
PC-08-14	169.4	177.15	J3P	7.75	R
PC-08-14	177.15	179.2	J3	2.05	C
PC-08-14	179.2	186	QUINTETTE	6.8	R
PC-08-15	0	8.85	DRIFT	8.85	DRIFT
PC-08-15	8.85	29.92	********	21.07	********
PC-08-15	29.92	30.18		0.26	CBSH
PC-08-15	30.18	30.41	E3U	0.23	C
PC-08-15	30.41	30.76		0.35	CBSH
PC-08-15	30.76	31.15	E3L	0.39	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-08-15	31.15	31.4	E3L	0.25	DC
PC-08-15	31.4	31.6	E4	0.2	CR
PC-08-15	31.6	32.18		0.58	R
PC-08-15	32.18	32.4	F1	0.22	C
PC-08-15	32.4	32.69	F1	0.29	CR
PC-08-15	32.69	32.99	F1	0.3	C
PC-08-15	32.99	33.29	F2	0.3	DC
PC-08-15	33.29	33.79	F2	0.5	C
PC-08-15	33.79	59.45	********	25.66	********
PC-08-15	59.45	59.77	G	0.32	C
PC-08-15	59.77	60.9	GJPT	1.13	R
PC-08-15	60.9	61.36	J1	0.46	DC
PC-08-15	61.36	62.31	J1	0.95	C
PC-08-15	62.31	99.45	J2P	37.14	R
PC-08-15	99.45	100.16	J2U	0.71	C
PC-08-15	100.16	100.75	J2LP	0.59	R
PC-08-15	100.75	101.05	J2LP	0.3	CBSH
PC-08-15	101.05	101.62	J2LP	0.57	R
PC-08-15	101.62	101.89	J2LP	0.27	CBSH
PC-08-15	101.89	103.73	J2LP	1.84	R
PC-08-15	103.73	104.02	J2L	0.29	C
PC-08-15	104.02	104.53	J2L	0.51	DC
PC-08-15	104.53	110.62	J3P	6.09	R
PC-08-15	110.62	112.92	J3	2.3	C
PC-08-15	112.92	135	QUINTETTE	22.08	R
PC-08-16	0	11.75	DRIFT	11.75	DRIFT
PC-08-16	11.75	18.8	HULCROSS	12.75	R
PC-08-16	18.8	18.9	HULCROSS	0.1	ASH_14
PC-08-16	18.9	20.6	HULCROSS	1.7	R
PC-08-16	20.6	20.7	HULCROSS	0.1	ASH_12
PC-08-16	20.7	24.3	HULCROSS	3.6	R
PC-08-16	24.3	24.4	HULCROSS	0.1	ASH_11
PC-08-16	24.4	24.5	HULCROSS	0.1	R
PC-08-16	24.5	27.35	HULCROSS	2.85	FAULT
PC-08-16	27.35	30.6	HULCROSS	3.25	R
PC-08-16	30.6	30.7	HULCROSS	0.1	ASH_14
PC-08-16	30.7	32.45	HULCROSS	1.75	R
PC-08-16	32.45	32.6	HULCROSS	0.15	ASH_12
PC-08-16	32.6	36.05	HULCROSS	3.45	R
PC-08-16	36.05	36.15	HULCROSS	0.1	ASH_11

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-08-16	36.15	45.4	HULCROSS	9.25	R
PC-08-16	45.4	45.75	HULCROSS	0.35	ASH_10
PC-08-16	45.75	52.4	HULCROSS	6.65	R
PC-08-16	52.4	52.7	HULCROSS	0.3	ASH_08
PC-08-16	52.7	58.15	HULCROSS	5.45	R
PC-08-16	58.15	58.4	HULCROSS	0.25	ASH_05
PC-08-16	58.4	59.35	HULCROSS	0.95	R
PC-08-16	59.35	59.75	HULCROSS	0.4	ASH_04
PC-08-16	59.75	70.8	HULCROSS	11.05	R
PC-08-16	70.8	71	HULCROSS	0.2	ASH_02
PC-08-16	71	71.5	HULCROSS	0.5	R
PC-08-16	71.5	72.2	BASAL_HC	0.7	R
PC-08-16	72.2	72.4		0.2	CR
PC-08-16	72.4	73.1		0.7	R
PC-08-16	73.1	73.3		0.2	CBSH
PC-08-16	73.3	73.4		0.1	R
PC-08-16	73.4	73.5		0.1	FAULT
PC-08-16	73.5	75.4		1.9	R
PC-08-16	75.4	75.65		0.25	CBSH
PC-08-16	75.65	76		0.35	R
PC-08-16	76	76.3	A	0.3	DC
PC-08-16	76.3	76.7	A	0.4	C
PC-08-16	76.7	85.1		8.4	R
PC-08-16	85.1	85.4		0.3	CBSH
PC-08-16	85.4	85.7	B	0.3	DC
PC-08-16	85.7	85.95	B	0.25	C
PC-08-16	85.95	87.9		1.95	R
PC-08-16	87.9	88.2		0.3	CR
PC-08-16	88.2	100.32		12.12	R
PC-08-16	100.32	100.82	C	0.5	C
PC-08-16	100.82	101.25	C	0.43	R
PC-08-16	101.25	101.52	C	0.27	C
PC-08-16	101.52	108.35		6.83	R
PC-08-16	108.35	145.7	FSS	37.35	R
PC-08-16	145.7	146.72		1.02	R
PC-08-16	146.72	146.8		0.08	CR
PC-08-16	146.8	146.87		0.07	DC
PC-08-16	146.87	147		0.13	CR
PC-08-16	147	147.1		0.1	DC
PC-08-16	147.1	147.32		0.22	CR

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-08-16	147.32	147.6		0.28	R
PC-08-16	147.6	147.9		0.3	CBSH
PC-08-16	147.9	148.9		1	R
PC-08-16	148.9	149.13	D	0.23	C
PC-08-16	149.13	149.27	D	0.14	CR
PC-08-16	149.27	149.45	D	0.18	DC
PC-08-16	149.45	149.65		0.2	CR
PC-08-16	149.65	150.8		1.15	R
PC-08-16	150.8	151.32		0.52	CBSH
PC-08-16	151.32	151.55		0.23	R
PC-08-16	151.55	151.7		0.15	CR
PC-08-16	151.7	151.88		0.18	CBSH
PC-08-16	151.88	152.67		0.79	R
PC-08-16	152.67	153		0.33	CBSH
PC-08-16	153	153.55		0.55	R
PC-08-16	153.55	153.82		0.27	CR
PC-08-16	153.82	158.6		4.78	R
PC-08-16	158.6	158.75		0.15	CBSH
PC-08-16	158.75	160.25		1.5	R
PC-08-16	160.25	160.5	E0	0.25	CR
PC-08-16	160.5	162.25		1.75	R
PC-08-16	162.25	162.3		0.05	CR
PC-08-16	162.3	162.37		0.07	DC
PC-08-16	162.37	162.55	E1	0.18	C
PC-08-16	162.55	162.8	E1	0.25	CBSH
PC-08-16	162.8	163.2	E1	0.4	R
PC-08-16	163.2	163.72	E1	0.52	C
PC-08-16	163.72	168.9		5.18	R
PC-08-16	168.9	168.97	E2U	0.07	CBSH
PC-08-16	168.97	169.12	E2L	0.15	CBSH
PC-08-16	169.12	178.15	E3P	9.03	R
PC-08-16	178.15	178.22	E3P	0.07	CBSH
PC-08-16	178.22	178.3	E3P	0.08	CR
PC-08-16	178.3	178.37	E3U	0.07	DC
PC-08-16	178.37	178.58	E3U	0.21	C
PC-08-16	178.58	178.8		0.22	R
PC-08-16	178.8	178.98		0.18	CR
PC-08-16	178.98	179.07	E3L	0.09	DC
PC-08-16	179.07	179.33	E3L	0.26	C
PC-08-16	179.33	179.88		0.55	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-08-16	179.88	180		0.12	CBSH
PC-08-16	180	180.13	E4	0.13	DC
PC-08-16	180.13	180.35		0.22	R
PC-08-16	180.35	180.53		0.18	CBSH
PC-08-16	180.53	185.8		5.27	R
PC-08-16	185.8	186	F1	0.2	C
PC-08-16	186	186.25	F1	0.25	DC
PC-08-16	186.25	186.62	F1	0.37	C
PC-08-16	186.62	186.74	F1	0.12	DC
PC-08-16	186.74	187.38	F2	0.64	C
PC-08-16	187.38	200.5	WV_CG	13.12	R
PC-08-16	200.5	205.1	WSS	4.6	R
PC-08-16	205.1	205.4	G1	0.3	CR
PC-08-16	205.4	205.64		0.24	R
PC-08-16	205.64	206.1		0.46	CBSH
PC-08-16	206.1	211.12		5.02	R
PC-08-16	211.12	211.32		0.2	CBSH
PC-08-16	211.32	211.65		0.33	R
PC-08-16	211.65	211.9		0.25	CBSH
PC-08-16	211.9	219.8		7.9	R
PC-08-16	219.8	219.9	G	0.1	DC
PC-08-16	219.9	220.56	G	0.66	C
PC-08-16	220.56	226.89	GJPT	6.33	R
PC-08-16	226.89	227	GJPT	0.11	CR
PC-08-16	227	227.06	J1	0.06	DC
PC-08-16	227.06	228.27	J1	1.21	C
PC-08-16	228.27	228.4	J2P	0.13	CR
PC-08-16	228.4	228.7	J2P	0.3	R
PC-08-16	228.7	228.8	J2P	0.1	CBSH
PC-08-16	228.8	230.12	J2U	1.32	C
PC-08-16	230.12	230.27	J2U	0.15	CR
PC-08-16	230.27	230.43	J2U	0.16	DC
PC-08-16	230.43	231.62	J2U	1.19	C
PC-08-16	231.62	231.7	J2LP	0.08	CBSH
PC-08-16	231.7	231.87	J2LP	0.17	R
PC-08-16	231.87	232.05	J2LP	0.18	CBSH
PC-08-16	232.05	232.2	J2LP	0.15	DC
PC-08-16	232.2	232.3	J2LP	0.1	CBSH
PC-08-16	232.3	232.53	J2LP	0.23	R
PC-08-16	232.53	232.6	J2LP	0.07	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-08-16	232.6	232.69	J2LP	0.09	CR
PC-08-16	232.69	232.8	J2L	0.11	DC
PC-08-16	232.8	233.71	J2L	0.91	C
PC-08-16	233.71	237.27	J3P	3.56	R
PC-08-16	237.27	237.4	J3P	0.13	CR
PC-08-16	237.4	239.29	J3	1.89	C
PC-08-16	239.29	239.35		0.06	CR
PC-08-16	239.35	241		1.65	R
PC-08-16	241	256.03	QUINTETTE	13.9	R
PC-08-17	0	5.9	DRIFT	5.9	DRIFT
PC-08-17	5.9	9.8	HULCROSS	3.9	R
PC-08-17	9.8	11.75	HULCROSS	1.95	FAULT
PC-08-17	11.75	16.65	HULCROSS	4.9	R
PC-08-17	16.65	16.8	HULCROSS	0.15	CR
PC-08-17	16.8	17	HULCROSS	0.2	ASH_08
PC-08-17	17	23.9	HULCROSS	6.9	R
PC-08-17	23.9	24.3	HULCROSS	0.4	ASH_05
PC-08-17	24.3	24.85	HULCROSS	0.55	R
PC-08-17	24.85	25.1	HULCROSS	0.25	ASH_04
PC-08-17	25.1	33.1	HULCROSS	8	R
PC-08-17	33.1	33.35	HULCROSS	0.25	CBSH
PC-08-17	33.35	37.8	HULCROSS	4.45	R
PC-08-17	37.8	38	HULCROSS	0.2	ASH_01
PC-08-17	38	38.65	HULCROSS	0.65	R
PC-08-17	38.65	39.05	BASAL_HC	0.4	R
PC-08-17	39.05	39.35		0.3	R
PC-08-17	39.35	39.6		0.25	CBSH
PC-08-17	39.6	39.85		0.25	CR
PC-08-17	39.85	42.7		2.85	R
PC-08-17	42.7	42.95		0.25	CBSH
PC-08-17	42.95	66.1		23.15	R
PC-08-17	66.1	66.45	A	0.35	DC
PC-08-17	66.45	66.8	A	0.35	C
PC-08-17	66.8	76		9.2	R
PC-08-17	76	76.25		0.25	CR
PC-08-17	76.25	76.55		0.3	R
PC-08-17	76.55	76.78	B	0.23	DC
PC-08-17	76.78	77.2		0.42	R
PC-08-17	77.2	77.45		0.25	CR
PC-08-17	77.45	81.05		3.6	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-08-17	81.05	91.35	ARMAND	10.3	R
PC-08-17	91.35	91.8		0.45	R
PC-08-17	91.8	92.7	C	0.9	C
PC-08-17	92.7	98.65		5.95	R
PC-08-17	98.65	134.1	FSS	35.45	R
PC-08-17	134.1	134.95		0.85	R
PC-08-17	134.95	135.2		0.25	CBSH
PC-08-17	135.2	135.82		0.62	R
PC-08-17	135.82	136.03	D	0.21	DC
PC-08-17	136.03	136.22	D	0.19	R
PC-08-17	136.22	136.6	D	0.38	DC
PC-08-17	136.6	137.85		1.25	R
PC-08-17	137.85	138.1		0.25	CR
PC-08-17	138.1	139.65		1.55	R
PC-08-17	139.65	139.95		0.3	CBSH
PC-08-17	139.95	141.1		1.15	R
PC-08-17	141.1	141.45		0.35	CBSH
PC-08-17	141.45	142.45		1	R
PC-08-17	142.45	142.75		0.3	CBSH
PC-08-17	142.75	150.85		8.1	R
PC-08-17	150.85	151.14		0.29	CBSH
PC-08-17	151.14	151.34	E0	0.2	CR
PC-08-17	151.34	153.65		2.31	R
PC-08-17	153.65	153.7		0.05	CBSH
PC-08-17	153.7	153.86		0.16	CR
PC-08-17	153.86	154.08	E1	0.22	C
PC-08-17	154.08	154.15	E1	0.07	CR
PC-08-17	154.15	154.75	E1	0.6	R
PC-08-17	154.75	154.85	E1	0.1	CR
PC-08-17	154.85	155.2	E1	0.35	C
PC-08-17	155.2	167.3		12.1	R
PC-08-17	167.3	167.5	E2U	0.2	DC
PC-08-17	167.5	167.7	E2L	0.2	C
PC-08-17	167.7	174.15	E3P	6.45	R
PC-08-17	174.15	174.32	E3U	0.17	DC
PC-08-17	174.32	174.55	E3U	0.23	C
PC-08-17	174.55	174.9		0.35	R
PC-08-17	174.9	175.2	E3L	0.3	DC
PC-08-17	175.2	175.45	E3L	0.25	C
PC-08-17	175.45	176.2		0.75	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-08-17	176.2	176.38		0.18	CR
PC-08-17	176.38	176.55	E4	0.17	DC
PC-08-17	176.55	176.88		0.33	R
PC-08-17	176.88	177.1		0.22	CBSH
PC-08-17	177.1	183.2		6.1	R
PC-08-17	183.2	183.63	F1	0.43	C
PC-08-17	183.63	183.7	F1	0.07	DC
PC-08-17	183.7	184.32	F1	0.62	C
PC-08-17	184.32	184.95	F2	0.63	C
PC-08-17	184.95	194.45	WV_CG	9.5	R
PC-08-17	194.45	200.6	WSS	6.15	R
PC-08-17	200.6	200.9		0.3	R
PC-08-17	200.9	201.2	G1	0.3	DC
PC-08-17	201.2	201.35		0.15	R
PC-08-17	201.35	201.55		0.2	CBSH
PC-08-17	201.55	206.6		5.05	R
PC-08-17	206.6	206.9		0.3	CBSH
PC-08-17	206.9	215.47		8.57	R
PC-08-17	215.47	215.59		0.12	CR
PC-08-17	215.59	216.29	G	0.7	C
PC-08-17	216.29	216.69	GJPT	0.4	R
PC-08-17	216.69	216.75	GJPT	0.06	CR
PC-08-17	216.75	216.85	GJPT	0.1	DC
PC-08-17	216.85	216.95	GJPT	0.1	C
PC-08-17	216.95	217.22	GJPT	0.27	DC
PC-08-17	217.22	221.8	GJPT	4.58	R
PC-08-17	221.8	223.11	J1	1.31	C
PC-08-17	223.11	223.36	J2P	0.25	CR
PC-08-17	223.36	223.45	J2U	0.09	DC
PC-08-17	223.45	223.8	J2U	0.35	C
PC-08-17	223.8	223.97	J2U	0.17	DC
PC-08-17	223.97	224.78	J2U	0.81	C
PC-08-17	224.78	225.88	J2U	1.1	C
PC-08-17	225.88	226.19	J2LP	0.31	CBSH
PC-08-17	226.19	226.4	J2LP	0.21	DC
PC-08-17	226.4	226.62	J2LP	0.22	CBSH
PC-08-17	226.62	227.56	J2L	0.94	C
PC-08-17	227.56	228.97	J3P	1.41	R
PC-08-18	0	5.9	DRIFT	5.9	DRIFT
PC-08-18	5.9	9.15		3.25	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-08-18	9.15	9.55	A1	0.4	DC
PC-08-18	9.55	9.8	A1	0.25	C
PC-08-18	9.8	24.45		14.65	R
PC-08-18	24.45	24.75	A	0.3	C
PC-08-18	24.75	25.25	A	0.5	DC
PC-08-18	25.25	36.75		11.5	R
PC-08-18	36.75	37.2	B	0.45	C
PC-08-18	37.2	37.5	B	0.3	DC
PC-08-18	37.5	37.65	B	0.15	C
PC-08-18	37.65	39.9		2.25	R
PC-08-18	39.9	73.4	ARMAND	33.5	R
PC-08-18	73.4	73.65	ARMAND	0.25	IRST
PC-08-18	73.65	76	ARMAND	2.35	R
PC-08-18	76	77.1		1.1	R
PC-08-18	77.1	77.35		0.25	CBSH
PC-08-18	77.35	77.7	C	0.35	DC
PC-08-18	77.7	77.95	C	0.25	C
PC-08-18	77.95	82.8		4.85	R
PC-08-18	82.8	83.05		0.25	CBSH
PC-08-18	83.05	95.25		12.2	R
PC-08-18	95.25	98.05	FSS	2.8	R
PC-08-18	98.05	108.2	FT_MT_CG	10.15	R
PC-08-18	108.2	111		2.8	R
PC-08-18	111	111.2		0.2	CBSH
PC-08-18	111.2	116.13		4.93	R
PC-08-18	116.13	116.34	E0	0.21	C
PC-08-18	116.34	116.46		0.12	R
PC-08-18	116.46	116.62		0.16	CBSH
PC-08-18	116.62	116.85		0.23	R
PC-08-18	116.85	117.18		0.33	CBSH
PC-08-18	117.18	117.45	E1	0.27	C
PC-08-18	117.45	117.66		0.21	CR
PC-08-18	117.66	117.88		0.22	CBSH
PC-08-18	117.88	118.5		0.62	R
PC-08-18	118.5	118.68		0.18	CBSH
PC-08-18	118.68	118.9	E2U	0.22	CR
PC-08-18	118.9	119.32	E2L	0.42	C
PC-08-18	119.32	123.38		4.06	R
PC-08-18	123.38	123.57	E3U	0.19	DC
PC-08-18	123.57	123.7	E3U	0.13	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-08-18	123.7	123.82	E3U	0.12	DC
PC-08-18	123.82	123.95		0.13	CBSH
PC-08-18	123.95	124.15		0.2	R
PC-08-18	124.15	124.26		0.11	CR
PC-08-18	124.26	124.35	E3L	0.09	DC
PC-08-18	124.35	124.49		0.14	CR
PC-08-18	124.49	124.68		0.19	R
PC-08-18	124.68	124.91		0.23	CR
PC-08-18	124.91	125.85		0.94	R
PC-08-18	125.85	126.14		0.29	CBSH
PC-08-18	126.14	126.26	E4	0.12	CR
PC-08-18	126.26	126.4		0.14	CBSH
PC-08-18	126.4	126.6		0.2	R
PC-08-18	126.6	126.8		0.2	CBSH
PC-08-18	126.8	134.85		8.05	R
PC-08-18	134.85	135.05	F1	0.2	DC
PC-08-18	135.05	135.15	F1	0.1	C
PC-08-18	135.15	135.4	F1	0.25	DC
PC-08-18	135.4	135.7	F1	0.3	C
PC-08-18	135.7	135.85	F1	0.15	DC
PC-08-18	135.85	135.95	F2	0.1	C
PC-08-18	135.95	136	F2	0.05	DC
PC-08-18	136	136.48	F2	0.48	C
PC-08-18	136.48	145	WV_CG	8.52	R
PC-08-18	145	148.92	WSS	3.92	R
PC-08-18	148.92	149.05		0.13	CBSH
PC-08-18	149.05	149.15	G1	0.1	DC
PC-08-18	149.15	149.27	G1	0.12	C
PC-08-18	149.27	149.38	G1	0.11	DC
PC-08-18	149.38	149.47		0.09	CR
PC-08-18	149.47	149.55		0.08	R
PC-08-18	149.55	149.72		0.17	CBSH
PC-08-18	149.72	150.07		0.35	R
PC-08-18	150.07	150.34		0.27	CBSH
PC-08-18	150.34	156.3		5.96	R
PC-08-18	156.3	156.6		0.3	CBSH
PC-08-18	156.6	157		0.4	R
PC-08-18	157	157.3		0.3	CBSH
PC-08-18	157.3	165.33		8.03	R
PC-08-18	165.33	166.35	G	1.02	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-08-18	166.35	172.13	GJPT	5.78	R
PC-08-18	172.13	172.25	GJPT	0.12	CBSH
PC-08-18	172.25	172.38	J1	0.13	DC
PC-08-18	172.38	173.6	J1	1.22	C
PC-08-18	173.6	173.8	J1	0.2	DC
PC-08-18	173.8	173.85	J2P	0.05	CR
PC-08-18	173.85	174.25	J2U	0.4	C
PC-08-18	174.25	174.45	J2U	0.2	DC
PC-08-18	174.45	176.13	J2U	1.68	C
PC-08-18	176.13	176.2	J2U	0.07	DC
PC-08-18	176.2	176.34	J2LP	0.14	CR
PC-08-18	176.34	176.51	J2LP	0.17	DC
PC-08-18	176.51	176.65	J2LP	0.14	CR
PC-08-18	176.65	176.78	J2L	0.13	DC
PC-08-18	176.78	178.1	J2L	1.32	C
PC-08-18	178.1	178.24	J3P	0.14	CBSH
PC-08-18	178.24	178.37	J3P	0.13	DC
PC-08-18	178.37	178.47	J3P	0.1	CBSH
PC-08-18	178.47	180.21	J3P	1.74	R
PC-08-18	180.21	182.39	J3	2.18	C
PC-08-18	182.39	183.35		0.96	R
PC-08-18	183.35	210	QUINTETTE	26.65	R
PC-08-18	210	228.9	MEDIAL_SILT	18.9	R
PC-08-18	228.9	229.15	MEDIAL_SILT	0.25	ASH
PC-08-18	229.15	239.85	TORRENS	10.7	R
PC-08-18	239.85	258.24	SPIEKER	18.39	R
WR-08-01	0	1.5	DRIFT	1.5	DRIFT
WR-08-01	1.5	3		1.5	R
WR-08-01	3	3.1	E0	0.1	CBSH
WR-08-01	3.1	8		4.9	R
WR-08-01	8	8.2	E1	0.2	CBSH
WR-08-01	8.2	11.9		3.7	R
WR-08-01	11.9	12.16	E2U	0.26	DC
WR-08-01	12.16	12.8	E2L	0.64	C
WR-08-01	12.8	14.15		1.35	R
WR-08-01	14.15	14.55	E3U	0.4	C
WR-08-01	14.55	14.75	E3U	0.2	DC
WR-08-01	14.75	15.36		0.61	R
WR-08-01	15.36	15.57	E3L	0.21	DC
WR-08-01	15.57	17.15		1.58	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
WR-08-01	17.15	17.7	E4	0.55	CBSH
WR-08-01	17.7	25.73		8.03	R
WR-08-01	25.73	26.12	F1	0.39	C
WR-08-01	26.12	26.23	F1	0.11	CR
WR-08-01	26.23	26.65	F1	0.42	C
WR-08-01	26.65	26.73	F2	0.08	DC
WR-08-01	26.73	27.23	F2	0.5	C
WR-08-01	27.23	37.75	WV_CG	10.52	R
WR-08-01	37.75	41.65	WSS	3.9	R
WR-08-01	41.65	42		0.35	R
WR-08-01	42	42.4	G1	0.4	C
WR-08-01	42.4	42.5	G1	0.1	DC
WR-08-01	42.5	42.54	G1	0.04	CR
WR-08-01	42.54	42.68	G1	0.14	DC
WR-08-01	42.68	42.84		0.16	CR
WR-08-01	42.84	46.8		3.96	R
WR-08-01	46.8	47.15		0.35	CBSH
WR-08-01	47.15	47.65		0.5	R
WR-08-01	47.65	47.95		0.3	CBSH
WR-08-01	47.95	55.5		7.55	R
WR-08-01	55.5	56.5	G	1	C
WR-08-01	56.5	65.35	GJPT	8.85	R
WR-08-01	65.35	65.49	J1	0.14	DC
WR-08-01	65.49	66.63	J1	1.14	C
WR-08-01	66.63	66.9	J1	0.27	DC
WR-08-01	66.9	67	J2P	0.1	CR
WR-08-01	67	67.2	J2U	0.2	C
WR-08-01	67.2	67.48	J2U	0.28	DC
WR-08-01	67.48	69	J2U	1.52	C
WR-08-01	69	70.38	J2L	1.38	C
WR-08-01	70.38	71.85	J3P	1.47	R
WR-08-01	71.85	71.98	J3	0.13	DC
WR-08-01	71.98	74.55	J3	2.57	C
WR-08-01	74.55	83.18	QUINTETTE	8.63	R
PC-09-01	0	17.55	DRIFT	17.55	DRIFT
PC-09-01	17.55	18.85		1.3	R
PC-09-01	18.85	19.15		0.3	CBSH
PC-09-01	19.15	34.7		15.55	R
PC-09-01	34.7	34.85		0.15	CBSH
PC-09-01	34.85	35.1	C	0.25	CR

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-01	35.1	35.4		0.3	CBSH
PC-09-01	35.4	50.95		15.55	R
PC-09-01	50.95	72.5	FSS	21.55	R
PC-09-01	72.5	75.37		2.87	R
PC-09-01	75.37	75.75	D	0.38	CBSH
PC-09-01	75.75	80.9		5.15	R
PC-09-01	80.9	81.05	E0	0.15	CBSH
PC-09-01	81.05	89.27		8.22	R
PC-09-01	89.27	89.4	E1	0.13	CBSH
PC-09-01	89.4	89.9		0.5	R
PC-09-01	89.9	90.12		0.22	CR
PC-09-01	90.12	90.22	E2U	0.1	DC
PC-09-01	90.22	90.28	E2LP	0.06	CR
PC-09-01	90.28	90.67	E2L	0.39	C
PC-09-01	90.67	90.85	E3P	0.18	CR
PC-09-01	90.85	92.25	E3P	1.4	R
PC-09-01	92.25	92.48	E3U	0.23	DC
PC-09-01	92.48	92.6		0.12	R
PC-09-01	92.6	92.7		0.1	CR
PC-09-01	92.7	92.85		0.15	R
PC-09-01	92.85	93.2	E3L	0.35	DC
PC-09-01	93.2	93.95		0.75	R
PC-09-01	93.95	94.4	E4	0.45	CBSH
PC-09-01	94.4	98.9		4.5	R
PC-09-01	98.9	99.1	F1	0.2	C
PC-09-01	99.1	99.23	F1	0.13	DC
PC-09-01	99.23	99.35	F1	0.12	C
PC-09-01	99.35	99.5	F1	0.15	DC
PC-09-01	99.5	99.75	F1	0.25	DC
PC-09-01	99.75	99.9	F2P	0.15	CR
PC-09-01	99.9	100.34	F2	0.44	C
PC-09-01	100.34	111.72	WV_CG	11.38	R
PC-09-01	111.72	120.15	WSS	8.43	R
PC-09-01	120.15	120.45	G1	0.3	CBSH
PC-09-01	120.45	129		8.55	R
PC-09-01	129	129.64	G	0.64	C
PC-09-01	129.64	129.76	G	0.12	DC
PC-09-01	129.76	145	GJPT	15.24	R
PC-09-01	145	145.09	J1	0.09	DC
PC-09-01	145.09	146.2	J1	1.11	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-01	146.2	146.73	J2P	0.53	R
PC-09-01	146.73	146.82	J2U	0.09	DC
PC-09-01	146.82	149	J2U	2.18	C
PC-09-01	149	149.1	J2L	0.1	DC
PC-09-01	149.1	150.6	J2L	1.5	C
PC-09-01	150.6	150.7	J3P	0.1	CR
PC-09-01	150.7	152	J3P	1.3	R
PC-09-01	152	152.1	J3P	0.1	CR
PC-09-01	152.1	154.2	J3	2.1	C
PC-09-01	154.2	162.42	QUINTETTE	8.22	R
PC-09-02	0	2.3	DRIFT	2.3	DRIFT
PC-09-02	2.3	8.6		6.3	R
PC-09-02	8.6	9.15	C	0.55	CR
PC-09-02	9.15	9.35		0.2	CBSH
PC-09-02	9.35	18.7		9.35	R
PC-09-02	18.7	47.15	FSS	28.45	R
PC-09-02	47.15	49.2		2.05	R
PC-09-02	49.2	49.5	D	0.3	CBSH
PC-09-02	49.5	56.65		7.15	R
PC-09-02	56.65	56.8	E0	0.15	CBSH
PC-09-02	56.8	58.85		2.05	R
PC-09-02	58.85	58.9	E1	0.05	CBSH
PC-09-02	58.9	61.15		2.25	R
PC-09-02	61.15	61.4		0.25	CR
PC-09-02	61.4	61.52	E2U	0.12	C
PC-09-02	61.52	61.6	E2LP	0.08	CR
PC-09-02	61.6	62.05	E2L	0.45	C
PC-09-02	62.05	63.9	E3P	1.85	R
PC-09-02	63.9	64.13	E3U	0.23	DC
PC-09-02	64.13	64.2		0.07	CR
PC-09-02	64.2	64.57		0.37	R
PC-09-02	64.57	64.9	E3L	0.33	DC
PC-09-02	64.9	65.74		0.84	R
PC-09-02	65.74	65.95	E4	0.21	CR
PC-09-02	65.95	71.52		5.57	R
PC-09-02	71.52	71.7	F1	0.18	C
PC-09-02	71.7	71.83	F1	0.13	CR
PC-09-02	71.83	71.96	F1	0.13	C
PC-09-02	71.96	72.05	F1	0.09	CR
PC-09-02	72.05	72.15	F1	0.1	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-02	72.15	72.55	F2P	0.4	R
PC-09-02	72.55	73.02	F2	0.47	C
PC-09-02	73.02	73.07	F2	0.05	DC
PC-09-02	73.07	84.4	WV_CG	11.33	R
PC-09-02	84.4	91	WSS	6.6	R
PC-09-02	91	91.95		0.95	R
PC-09-02	91.95	92.25	G1	0.3	CBSH
PC-09-02	92.25	98.75		6.5	R
PC-09-02	98.75	99		0.25	DC
PC-09-02	99	101.85		2.85	R
PC-09-02	101.85	102.55	G	0.7	C
PC-09-02	102.55	117	GJPT	14.45	R
PC-09-02	117	117.09	J1	0.09	DC
PC-09-02	117.09	118.33	J1	1.24	C
PC-09-02	118.33	118.55	J1	0.22	DC
PC-09-02	118.55	118.7	J2P	0.15	CR
PC-09-02	118.7	118.94	J2U	0.24	DC
PC-09-02	118.94	120.51	J2U	1.57	C
PC-09-02	120.51	121.98	J2L	1.47	C
PC-09-02	121.98	122.07	J3P	0.09	CR
PC-09-02	122.07	123.95	J3P	1.88	R
PC-09-02	123.95	124.05	J3	0.1	DC
PC-09-02	124.05	126.09	J3	2.04	C
PC-09-02	126.09	134.9	QUINTETTE	8.81	R
PC-09-03	0	2.1	DRIFT	2.1	DRIFT
PC-09-03	2.1	5.15		3.05	R
PC-09-03	5.15	5.85		0.7	C
PC-09-03	5.85	6.2		0.35	DC
PC-09-03	6.2	6.53		0.33	C
PC-09-03	6.53	13		6.47	R
PC-09-03	13	13.2		0.2	CR
PC-09-03	13.2	13.35		0.15	R
PC-09-03	13.35	13.55		0.2	CR
PC-09-03	13.55	33.75		20.2	R
PC-09-03	33.75	34		0.25	CR
PC-09-03	34	42.3		8.3	R
PC-09-03	42.3	42.85	C	0.55	CR
PC-09-03	42.85	60.6		17.75	R
PC-09-03	60.6	79.6	FSS	19	R
PC-09-03	79.6	80		0.4	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-03	80	80.4	D	0.4	CBSH
PC-09-03	80.4	84.28		3.88	R
PC-09-03	84.28	84.55	E0	0.27	CR
PC-09-03	84.55	84.75		0.2	CBSH
PC-09-03	84.75	90.9		6.15	R
PC-09-03	90.9	91.1	E1	0.2	CBSH
PC-09-03	91.1	99.25		8.15	R
PC-09-03	99.25	99.35	E2U	0.1	DC
PC-09-03	99.35	99.4	E2LP	0.05	CR
PC-09-03	99.4	99.75	E2L	0.35	C
PC-09-03	99.75	99.8	E3P	0.05	CR
PC-09-03	99.8	101.26	E3P	1.46	R
PC-09-03	101.26	101.56	E3U	0.3	DC
PC-09-03	101.56	101.64		0.08	CR
PC-09-03	101.64	102.1	E3L	0.46	DC
PC-09-03	102.1	103		0.9	R
PC-09-03	103	103.15	E4	0.15	CR
PC-09-03	103.15	107.4		4.25	R
PC-09-03	107.4	107.87	F1	0.47	C
PC-09-03	107.87	108.12	F1	0.25	DC
PC-09-03	108.12	108.27	F2P	0.15	CR
PC-09-03	108.27	108.65	F2	0.38	C
PC-09-03	108.65	117.95	WV_CG	9.3	R
PC-09-03	117.95	124.75	WSS	6.8	R
PC-09-03	124.75	125	G1	0.25	CBSH
PC-09-03	125	125.55		0.55	R
PC-09-03	125.55	125.9		0.35	CBSH
PC-09-03	125.9	128.25		2.35	R
PC-09-03	128.25	128.65		0.4	CBSH
PC-09-03	128.65	135.15		6.5	R
PC-09-03	135.15	135.32		0.17	CBSH
PC-09-03	135.32	135.8	G	0.48	C
PC-09-03	135.8	142.53	GJPT	6.73	R
PC-09-03	142.53	142.7	GJPT	0.17	CBSH
PC-09-03	142.7	143.2	J1	0.5	C
PC-09-03	143.2	143.29	J1	0.09	DC
PC-09-03	143.29	143.38	J2P	0.09	CR
PC-09-03	143.38	147.2	J2P	3.82	R
PC-09-03	147.2	147.49	J2P	0.29	CBSH
PC-09-03	147.49	167	J2P	19.51	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-03	167	167.18	J2P	0.18	CR
PC-09-03	167.18	167.4	J2U	0.22	DC
PC-09-03	167.4	168.9	J2U	1.5	C
PC-09-03	168.9	170.12	J2L	1.22	C
PC-09-03	170.12	170.37	J3P	0.25	CBSH
PC-09-03	170.37	172.45	J3P	2.08	R
PC-09-03	172.45	174.71	J3	2.26	C
PC-09-03	174.71	180.35	QUINTETTE	5.64	R
PC-09-04	0	2.2	DRIFT	2.2	DRIFT
PC-09-04	2.2	8.45		6.25	R
PC-09-04	8.45	8.75	C	0.3	DC
PC-09-04	8.75	8.9		0.15	CR
PC-09-04	8.9	17.95		9.05	R
PC-09-04	17.95	38	FSS	20.05	R
PC-09-04	38	43.85	FT_MT_CG	5.85	R
PC-09-04	43.85	46.45		2.6	R
PC-09-04	46.45	46.9	D	0.45	CBSH
PC-09-04	46.9	52.7		5.8	R
PC-09-04	52.7	52.75	E0	0.05	CBSH
PC-09-04	52.75	58		5.25	R
PC-09-04	58	58.05	E1	0.05	CBSH
PC-09-04	58.05	63.95		5.9	R
PC-09-04	63.95	64.32	E2U	0.37	C
PC-09-04	64.32	64.45	E2L	0.13	C
PC-09-04	64.45	64.55	E2L	0.1	DC
PC-09-04	64.55	66.15	E3P	1.6	R
PC-09-04	66.15	66.4	E3U	0.25	C
PC-09-04	66.4	66.88		0.48	R
PC-09-04	66.88	67.25	E3L	0.37	DC
PC-09-04	67.25	68.2		0.95	R
PC-09-04	68.2	68.55	E4	0.35	CBSH
PC-09-04	68.55	74.25		5.7	R
PC-09-04	74.25	74.45	F1	0.2	C
PC-09-04	74.45	74.5	F1	0.05	CR
PC-09-04	74.5	75.18	F1	0.68	C
PC-09-04	75.18	75.23	F2P	0.05	CR
PC-09-04	75.23	75.65	F2	0.42	C
PC-09-04	75.65	85.75	WV_CG	10.1	R
PC-09-04	85.75	95.5	WSS	9.75	R
PC-09-04	95.5	95.9		0.4	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-04	95.9	96.05	G1	0.15	CBSH
PC-09-04	96.05	102.05		6	R
PC-09-04	102.05	102.3		0.25	CBSH
PC-09-04	102.3	105.1		2.8	R
PC-09-04	105.1	105.2		0.1	CR
PC-09-04	105.2	105.88	G	0.68	C
PC-09-04	105.88	106.05	GJPT	0.17	CBSH
PC-09-04	106.05	119.4	GJPT	13.35	R
PC-09-04	119.4	119.6	J1	0.2	DC
PC-09-04	119.6	120.6	J1	1	C
PC-09-04	120.6	120.84	J1	0.24	DC
PC-09-04	120.84	120.98	J2P	0.14	CR
PC-09-04	120.98	121.45	J2U	0.47	C
PC-09-04	121.45	121.54	J2U	0.09	DC
PC-09-04	121.54	123.05	J2U	1.51	C
PC-09-04	123.05	124.53	J2L	1.48	C
PC-09-04	124.53	124.65	J2L	0.12	DC
PC-09-04	124.65	124.78	J2L	0.13	C
PC-09-04	124.78	125.05	J3P	0.27	CBSH
PC-09-04	125.05	126.03	J3P	0.98	R
PC-09-04	126.03	128.23	J3	2.2	C
PC-09-04	128.23	133.43	QUINTETTE	5.2	R
PC-09-05	0	2.9	DRIFT	2.9	DRIFT
PC-09-05	2.9	10.5	ARMAND	7.6	R
PC-09-05	10.5	10.78	ARMAND	0.28	CBSH
PC-09-05	10.78	19.45	ARMAND	8.67	R
PC-09-05	19.45	19.68	C	0.23	DC
PC-09-05	19.68	19.79	C	0.11	CR
PC-09-05	19.79	20	C	0.21	DC
PC-09-05	20	20.11		0.11	CR
PC-09-05	20.11	27.4		7.29	R
PC-09-05	27.4	40	FSS	12.6	R
PC-09-05	40	60.05	FT_MT_CG	20.05	R
PC-09-05	60.05	60.35	D	0.3	CBSH
PC-09-05	60.35	61.65		1.3	R
PC-09-05	61.65	61.75	E0	0.1	CBSH
PC-09-05	61.75	66.45		4.7	R
PC-09-05	66.45	66.8	E1	0.35	CBSH
PC-09-05	66.8	73.62		6.82	R
PC-09-05	73.62	73.75	E2U	0.13	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-05	73.75	73.8	E2LP	0.05	CR
PC-09-05	73.8	74.27	E2L	0.47	C
PC-09-05	74.27	74.35	E2L	0.08	DC
PC-09-05	74.35	75.54	E3P	1.19	R
PC-09-05	75.54	75.66	E3U	0.12	DC
PC-09-05	75.66	76	E3U	0.34	C
PC-09-05	76	76.6		0.6	R
PC-09-05	76.6	76.8	E3L	0.2	DC
PC-09-05	76.8	78.05		1.25	R
PC-09-05	78.05	78.95	E4	0.9	CBSH
PC-09-05	78.95	85.15		6.2	R
PC-09-05	85.15	85.35	F1	0.2	C
PC-09-05	85.35	85.5	F1	0.15	DC
PC-09-05	85.5	85.65	F1	0.15	C
PC-09-05	85.65	85.73	F1	0.08	DC
PC-09-05	85.73	86.1	F1	0.37	C
PC-09-05	86.1	86.15	F2P	0.05	CR
PC-09-05	86.15	86.67	F2	0.52	C
PC-09-05	86.67	96.75	WV_CG	10.08	R
PC-09-05	96.75	104.25	WSS	7.5	R
PC-09-05	104.25	105.45		1.2	R
PC-09-05	105.45	105.8	G1	0.35	CBSH
PC-09-05	105.8	115.45		9.65	R
PC-09-05	115.45	116.45	G	1	C
PC-09-05	116.45	116.53	GJPT	0.08	CR
PC-09-05	116.53	128.32	GJPT	11.79	R
PC-09-05	128.32	128.4	GJPT	0.08	CR
PC-09-05	128.4	129.5	J1	1.1	C
PC-09-05	129.5	129.72	J1	0.22	DC
PC-09-05	129.72	129.89	J2P	0.17	CR
PC-09-05	129.89	131.8	J2U	1.91	C
PC-09-05	131.8	133.05	J2L	1.25	C
PC-09-05	133.05	133.22	J3P	0.17	CR
PC-09-05	133.22	134.75	J3P	1.53	R
PC-09-05	134.75	136.9	J3	2.15	C
PC-09-05	136.9	143.97	QUINTETTE	7.07	R
PC-09-06	0	3.05	DRIFT	3.05	DRIFT
PC-09-06	3.05	12.8	ARMAND	9.75	R
PC-09-06	12.8	13.1	ARMAND	0.3	CBSH
PC-09-06	13.1	15.7	ARMAND	2.6	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-06	15.7	16	ARMAND	0.3	CBSH
PC-09-06	16	24.55	ARMAND	8.55	R
PC-09-06	23.55	24.55		1	R
PC-09-06	24.55	24.79		0.24	CR
PC-09-06	24.79	24.9	C	0.11	DC
PC-09-06	24.9	25.22		0.32	CR
PC-09-06	25.22	40.6		15.38	R
PC-09-06	40.6	51.6	FSS	11	R
PC-09-06	51.6	63.75	FT_MT_CG	12.15	R
PC-09-06	63.75	66.15		2.4	R
PC-09-06	66.15	66.45	D	0.3	CBSH
PC-09-06	66.45	66.85		0.4	R
PC-09-06	66.85	66.95	E0	0.1	CBSH
PC-09-06	66.95	70.25		3.3	R
PC-09-06	70.25	70.4	E1	0.15	CBSH
PC-09-06	70.4	78.05		7.65	R
PC-09-06	78.05	78.16	E2U	0.11	DC
PC-09-06	78.16	78.2	E2LP	0.04	CR
PC-09-06	78.2	78.65	E2L	0.45	C
PC-09-06	78.65	80.1	E3P	1.45	R
PC-09-06	80.1	80.45	E3U	0.35	DC
PC-09-06	80.45	80.95		0.5	R
PC-09-06	80.95	81.15		0.2	CR
PC-09-06	81.15	81.45	E3L	0.3	DC
PC-09-06	81.45	82.6		1.15	R
PC-09-06	82.6	83.05	E4	0.45	CBSH
PC-09-06	83.05	90		6.95	R
PC-09-06	90	90.3	F1	0.3	C
PC-09-06	90.3	90.6	F1	0.3	DC
PC-09-06	90.6	90.98	F1	0.38	C
PC-09-06	90.98	91.1	F2P	0.12	CR
PC-09-06	91.1	91.5	F2	0.4	C
PC-09-06	91.5	102.25	WV_CG	10.75	R
PC-09-06	102.25	121	WSS	18.75	R
PC-09-06	121	121.15		0.15	CBSH
PC-09-06	121.15	122	G	0.85	C
PC-09-06	122	122.1	GJPT	0.1	CR
PC-09-06	122.1	133.32	GJPT	11.22	R
PC-09-06	133.32	134.48	J1	1.16	C
PC-09-06	134.48	134.69	J1	0.21	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-06	134.69	134.85	J2P	0.16	CR
PC-09-06	134.85	135.05	J2U	0.2	C
PC-09-06	135.05	135.15	J2U	0.1	DC
PC-09-06	135.15	135.27	J2U	0.12	C
PC-09-06	135.27	135.39	J2U	0.12	DC
PC-09-06	135.39	136.74	J2U	1.35	C
PC-09-06	136.74	138.25	J2L	1.51	C
PC-09-06	138.25	140	J3P	1.75	R
PC-09-06	140	142.1	J3	2.1	C
PC-09-06	142.1	148.33	QUINTETTE	6.23	R
PC-09-07	0	2.45	DRIFT	2.45	DRIFT
PC-09-07	2.45	32.7	ARMAND	30.25	R
PC-09-07	32.7	33.7		1	R
PC-09-07	33.7	33.88		0.18	CBSH
PC-09-07	33.88	34.32	C	0.44	CR
PC-09-07	34.32	40.75		6.43	R
PC-09-07	40.75	40.95		0.2	CBSH
PC-09-07	40.95	53.8		12.85	R
PC-09-07	53.8	65.6	FSS	11.8	R
PC-09-07	65.6	83.4	FT_MT_CG	17.8	R
PC-09-07	83.4	88.65		5.25	R
PC-09-07	88.65	88.75	E2U	0.1	DC
PC-09-07	88.75	88.8	E2LP	0.05	CR
PC-09-07	88.8	88.85	E2L	0.05	DC
PC-09-07	88.85	89.28	E2L	0.43	C
PC-09-07	89.28	91.15	E3P	1.87	R
PC-09-07	91.15	91.3	E3P	0.15	CR
PC-09-07	91.3	91.5	E3U	0.2	DC
PC-09-07	91.5	91.95		0.45	R
PC-09-07	91.95	92.1	E3L	0.15	DC
PC-09-07	92.1	92.25	E3L	0.15	CR
PC-09-07	92.25	92.55	E3L	0.3	DC
PC-09-07	92.55	93.1		0.55	R
PC-09-07	93.1	93.35	E4	0.25	CR
PC-09-07	93.35	100.68		7.33	R
PC-09-07	100.68	100.87	F1	0.19	C
PC-09-07	100.87	100.97	F1	0.1	DC
PC-09-07	100.97	101.32	F1	0.35	C
PC-09-07	101.32	101.43	F1	0.11	DC
PC-09-07	101.43	101.55	F1	0.12	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-07	101.55	101.66	F2P	0.11	CR
PC-09-07	101.66	102.09	F2	0.43	C
PC-09-07	102.09	113.4	WV_CG	11.31	R
PC-09-07	113.4	121.4	WSS	8	R
PC-09-07	121.4	121.75	G1	0.35	CBSH
PC-09-07	121.75	122.8		1.05	R
PC-09-07	122.8	123.1		0.3	CBSH
PC-09-07	123.1	124.35		1.25	R
PC-09-07	124.35	124.7		0.35	CBSH
PC-09-07	124.7	133.4		8.7	R
PC-09-07	133.4	133.6		0.2	CR
PC-09-07	133.6	134.5	G	0.9	C
PC-09-07	134.5	142.05	GJPT	7.55	R
PC-09-07	142.05	143.2	J1	1.15	C
PC-09-07	143.2	143.4	J1	0.2	DC
PC-09-07	143.4	143.52	J2P	0.12	CR
PC-09-07	143.52	143.85	J2U	0.33	C
PC-09-07	143.85	144.05	J2U	0.2	DC
PC-09-07	144.05	144.17	J2U	0.12	CR
PC-09-07	144.17	145.52	J2U	1.35	C
PC-09-07	145.52	147	J2L	1.48	C
PC-09-07	147	147.15	J3P	0.15	CR
PC-09-07	147.15	148.85	J3P	1.7	R
PC-09-07	148.85	149.05	J3	0.2	DC
PC-09-07	149.05	151	J3	1.95	C
PC-09-07	151	159.02	QUINTETTE	8.02	R
PC-09-08	0	0.25	DRIFT	0.25	DRIFT
PC-09-08	0.25	10.95	ARMAND	10.7	R
PC-09-08	10.95	11.2	ARMAND	0.25	CBSH
PC-09-08	11.2	24.45	ARMAND	13.25	R
PC-09-08	24.45	24.66		0.21	CR
PC-09-08	24.66	24.78	C	0.12	DC
PC-09-08	24.78	24.86	C	0.08	CR
PC-09-08	24.86	24.98	C	0.12	DC
PC-09-08	24.98	25.05	C	0.07	CR
PC-09-08	25.05	25.12	C	0.07	DC
PC-09-08	25.12	25.2		0.08	CR
PC-09-08	25.2	29.2		4	R
PC-09-08	29.2	49.6	FSS	20.4	R
PC-09-08	49.6	65.7	FT_MT_CG	16.1	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-08	65.7	66.25		0.55	R
PC-09-08	66.25	66.4	D	0.15	CBSH
PC-09-08	66.4	68.65		2.25	R
PC-09-08	68.65	68.95	E0	0.3	CBSH
PC-09-08	68.95	71.2		2.25	R
PC-09-08	71.2	71.4	E1	0.2	CBSH
PC-09-08	71.4	79.53		8.13	R
PC-09-08	79.53	79.66	E2U	0.13	DC
PC-09-08	79.66	79.75	E2LP	0.09	CR
PC-09-08	79.75	80.35	E2L	0.6	C
PC-09-08	80.35	82	E3P	1.65	R
PC-09-08	82	82.15	E3P	0.15	CR
PC-09-08	82.15	82.45	E3U	0.3	C
PC-09-08	82.45	83.2		0.75	R
PC-09-08	83.2	83.5	E3L	0.3	CR
PC-09-08	83.5	83.7		0.2	R
PC-09-08	83.7	83.85		0.15	CBSH
PC-09-08	83.85	84.7		0.85	R
PC-09-08	84.7	84.95		0.25	CBSH
PC-09-08	84.95	85.08		0.13	R
PC-09-08	85.08	85.2	E4	0.12	CR
PC-09-08	85.2	93.95		8.75	R
PC-09-08	93.95	94.1	F1	0.15	DC
PC-09-08	94.1	94.25	F1	0.15	C
PC-09-08	94.25	94.35	F1	0.1	DC
PC-09-08	94.35	94.5	F1	0.15	C
PC-09-08	94.5	94.65	F1	0.15	DC
PC-09-08	94.65	94.85	F1	0.2	C
PC-09-08	94.85	95.5	F2	0.65	C
PC-09-08	95.5	103.05	WV_CG	7.55	R
PC-09-08	103.05	108.75	WSS	5.7	R
PC-09-08	108.75	109.05		0.3	CBSH
PC-09-08	109.05	109.2	G1	0.15	C
PC-09-08	109.2	109.32	G1	0.12	DC
PC-09-08	109.32	109.48	G1	0.16	C
PC-09-08	109.48	109.55	G1	0.07	CR
PC-09-08	109.55	109.65	G1	0.1	DC
PC-09-08	109.65	109.9		0.25	CBSH
PC-09-08	109.9	111.45		1.55	R
PC-09-08	111.45	111.6		0.15	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-08	111.6	113.55		1.95	R
PC-09-08	113.55	113.75		0.2	CBSH
PC-09-08	113.75	123.35		9.6	R
PC-09-08	123.35	123.5		0.15	CR
PC-09-08	123.5	124.34	G	0.84	C
PC-09-08	124.34	124.5	GJPT	0.16	CBSH
PC-09-08	124.5	131.15	GJPT	6.65	R
PC-09-08	131.15	131.28	J1	0.13	DC
PC-09-08	131.28	132.35	J1	1.07	C
PC-09-08	132.35	132.6	J1	0.25	DC
PC-09-08	132.6	132.67	J2P	0.07	CR
PC-09-08	132.67	132.95	J2U	0.28	C
PC-09-08	132.95	133.07	J2U	0.12	DC
PC-09-08	133.07	133.15	J2U	0.08	C
PC-09-08	133.15	134.07	J2U	0.92	DC
PC-09-08	134.07	135.05	J2U	0.98	C
PC-09-08	135.05	136.12	J2L	1.07	C
PC-09-08	136.12	136.25	J3P	0.13	CR
PC-09-08	136.25	137.6	J3P	1.35	R
PC-09-08	137.6	139.71	J3	2.11	C
PC-09-08	139.71	149.86	QUINTETTE	10.15	R
PC-09-09	0	0.8	DRIFT	0.8	DRIFT
PC-09-09	0.8	4.3		3.5	R
PC-09-09	4.3	4.45		0.15	CR
PC-09-09	4.45	5.4	B	0.95	C
PC-09-09	5.4	5.6	B	0.2	DC
PC-09-09	5.6	8.65		3.05	R
PC-09-09	8.65	10.6	ARMAND	1.95	R
PC-09-09	10.6	10.9	ARMAND	0.3	CBSH
PC-09-09	10.9	42.2	ARMAND	31.3	R
PC-09-09	42.2	43.5		1.3	R
PC-09-09	43.5	43.7		0.2	CBSH
PC-09-09	43.7	44.5	C	0.8	CR
PC-09-09	44.5	54.5		10	R
PC-09-09	54.5	70.3	FSS	15.8	R
PC-09-09	70.3	88.2	FT_MT_CG	17.9	R
PC-09-09	88.2	93.2		5	R
PC-09-09	93.2	93.35	E1	0.15	CR
PC-09-09	93.35	95.15		1.8	R
PC-09-09	95.15	95.3		0.15	CR

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-09	95.3	95.37		0.07	R
PC-09-09	95.37	95.5	E2U	0.13	DC
PC-09-09	95.5	95.55	E2LP	0.05	CR
PC-09-09	95.55	96.1	E2L	0.55	C
PC-09-09	96.1	97.5	E3P	1.4	R
PC-09-09	97.5	97.62	E3U	0.12	DC
PC-09-09	97.62	97.7	E3U	0.08	CR
PC-09-09	97.7	98.1	E3U	0.4	C
PC-09-09	98.1	98.65		0.55	R
PC-09-09	98.65	98.9	E3L	0.25	CR
PC-09-09	98.9	100.2		1.3	R
PC-09-09	100.2	100.32	E4	0.12	CR
PC-09-09	100.32	101		0.68	R
PC-09-09	101	101.2		0.2	CBSH
PC-09-09	101.2	109		7.8	R
PC-09-09	109	109.47	F1	0.47	C
PC-09-09	109.47	109.6	F1	0.13	DC
PC-09-09	109.6	110	F1	0.4	C
PC-09-09	110	110.12	F2P	0.12	CR
PC-09-09	110.12	110.55	F2	0.43	C
PC-09-09	110.55	117.9	WV_CG	7.35	R
PC-09-09	117.9	124.95	WSS	7.05	R
PC-09-09	124.95	125.25	G1	0.3	C
PC-09-09	125.25	125.45	G1	0.2	DC
PC-09-09	125.45	127.47		2.02	R
PC-09-09	127.47	127.8		0.33	CBSH
PC-09-09	127.8	129.4		1.6	R
PC-09-09	129.4	129.75		0.35	CBSH
PC-09-09	129.75	138.5		8.75	R
PC-09-09	138.5	139.55	G	1.05	C
PC-09-09	139.55	146.45	GJPT	6.9	R
PC-09-09	146.45	147.72	J1	1.27	C
PC-09-09	147.72	147.92	J1	0.2	DC
PC-09-09	147.92	148.08	J2P	0.16	CR
PC-09-09	148.08	150.08	J2U	2	C
PC-09-09	150.08	151.55	J2L	1.47	C
PC-09-09	151.55	153.3	J3P	1.75	R
PC-09-09	153.3	155.4	J3	2.1	C
PC-09-09	155.4	162.25	QUINTETTE	6.85	R
PC-09-10	0	4	DRIFT	4	DRIFT

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-10	4	7.05		3.05	R
PC-09-10	7.05	7.4	A	0.35	C
PC-09-10	7.4	7.7	A	0.3	DC
PC-09-10	7.7	7.9		0.2	CBSH
PC-09-10	7.9	8		0.1	R
PC-09-10	8	8.35		0.35	CBSH
PC-09-10	8.35	8.45		0.1	FAULT
PC-09-10	8.45	11.45		3	R
PC-09-10	11.45	11.6		0.15	CR
PC-09-10	11.6	12	B	0.4	C
PC-09-10	12	12.1	B	0.1	CR
PC-09-10	12.1	12.65	B	0.55	DC
PC-09-10	12.65	16.2		3.55	R
PC-09-10	16.2	23.65	ARMAND	7.45	R
PC-09-10	23.65	23.85	ARMAND	0.2	CBSH
PC-09-10	23.85	49.9	ARMAND	26.05	R
PC-09-10	49.9	51.08		1.18	R
PC-09-10	51.08	51.32		0.24	CR
PC-09-10	51.32	51.48	C	0.16	DC
PC-09-10	51.48	51.55	C	0.07	CR
PC-09-10	51.55	51.65	C	0.1	DC
PC-09-10	51.65	51.8		0.15	CBSH
PC-09-10	51.8	65.3		13.5	R
PC-09-10	65.3	74.3	FSS	9	R
PC-09-10	74.3	89.35	FT_MT_CG	15.05	R
PC-09-10	89.35	91.5		2.15	R
PC-09-10	91.5	91.55	D	0.05	CBSH
PC-09-10	91.55	99.85		8.3	R
PC-09-10	99.85	100.05	E0	0.2	DC
PC-09-10	100.05	100.75		0.7	R
PC-09-10	100.75	101.1	E1	0.35	CR
PC-09-10	101.1	102.3		1.2	R
PC-09-10	102.3	102.4	E2U	0.1	DC
PC-09-10	102.4	102.8	E2L	0.4	C
PC-09-10	102.8	102.85	E2L	0.05	DC
PC-09-10	102.85	104.65	E3P	1.8	R
PC-09-10	104.65	104.8	E3P	0.15	CR
PC-09-10	104.8	105	E3U	0.2	C
PC-09-10	105	105.15	E3U	0.15	DC
PC-09-10	105.15	105.6		0.45	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-10	105.6	105.8	E3L	0.2	C
PC-09-10	105.8	105.9		0.1	CR
PC-09-10	105.9	107.25		1.35	R
PC-09-10	107.25	107.6	E4	0.35	CBSH
PC-09-10	107.6	115.8		8.2	R
PC-09-10	115.8	115.87		0.07	CR
PC-09-10	115.87	116.07	F1	0.2	C
PC-09-10	116.07	116.39	F1	0.32	DC
PC-09-10	116.39	116.8	F1	0.41	C
PC-09-10	116.8	116.85	F2P	0.05	CR
PC-09-10	116.85	117.12	F2	0.27	C
PC-09-10	117.12	124.25	WV_CG	7.13	R
PC-09-10	124.25	131.65	WSS	7.4	R
PC-09-10	131.65	131.9		0.25	R
PC-09-10	131.9	132.2		0.3	CBSH
PC-09-10	132.2	132.45		0.25	CR
PC-09-10	132.45	132.55	G1	0.1	DC
PC-09-10	132.55	132.67	G1	0.12	CBSH
PC-09-10	132.67	132.83	G1	0.16	DC
PC-09-10	132.83	147.2		14.37	R
PC-09-10	147.2	148.05	G	0.85	C
PC-09-10	148.05	155.18	GJPT	7.13	R
PC-09-10	155.18	156.36	J1	1.18	C
PC-09-10	156.36	156.4	J1	0.04	DC
PC-09-10	156.4	156.45	J2P	0.05	CR
PC-09-10	156.45	156.75	J2U	0.3	DC
PC-09-10	156.75	158.79	J2U	2.04	C
PC-09-10	158.79	160.05	J2L	1.26	C
PC-09-10	160.05	160.15	J3P	0.1	CR
PC-09-10	160.15	161.75	J3P	1.6	R
PC-09-10	161.75	161.9	J3	0.15	DC
PC-09-10	161.9	164	J3	2.1	C
PC-09-10	164	170.83	QUINTETTE	6.83	R
PC-09-11	0	2.1	DRIFT	2.1	DRIFT
PC-09-11	2.1	8.3		6.2	R
PC-09-11	8.3	8.4		0.1	CR
PC-09-11	8.4	9.33	B	0.93	C
PC-09-11	9.33	9.5		0.17	CR
PC-09-11	9.5	11.95		2.45	R
PC-09-11	11.95	47.25	ARMAND	35.3	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-11	47.25	48.3		1.05	R
PC-09-11	48.3	48.48		0.18	CR
PC-09-11	48.48	48.63	C	0.15	C
PC-09-11	48.63	48.74	C	0.11	DC
PC-09-11	48.74	48.86	C	0.12	C
PC-09-11	48.86	48.95	C	0.09	DC
PC-09-11	48.95	64.2		15.25	R
PC-09-11	64.2	75.4	FSS	11.2	R
PC-09-11	75.4	89.45	FT_MT_CG	14.05	R
PC-09-11	89.45	91.65		2.2	R
PC-09-11	91.65	91.75	D	0.1	CBSH
PC-09-11	91.75	100.4		8.65	R
PC-09-11	100.4	100.5	E0	0.1	CR
PC-09-11	100.5	100.51		0.01	FAULT
PC-09-11	100.5	101.88	E3P	1.38	R
PC-09-11	101.88	102.22	E3U	0.34	C
PC-09-11	102.22	102.42	E3U	0.2	DC
PC-09-11	102.42	102.85		0.43	R
PC-09-11	102.85	103	E3L	0.15	CR
PC-09-11	103	104.7		1.7	R
PC-09-11	104.7	104.87	E4	0.17	CBSH
PC-09-11	104.87	113.67		8.8	R
PC-09-11	113.67	113.75		0.08	CR
PC-09-11	113.75	113.88	F1	0.13	C
PC-09-11	113.88	114.23	F1	0.35	DC
PC-09-11	114.23	114.7	F1	0.47	C
PC-09-11	114.7	115.08	F2	0.38	C
PC-09-11	115.08	124.5	WV_CG	9.42	R
PC-09-11	124.5	128.3	WSS	3.8	R
PC-09-11	128.3	128.9		0.6	R
PC-09-11	128.9	129.25	G1	0.35	CBSH
PC-09-11	129.25	129.65	G1	0.4	CR
PC-09-11	129.65	130	G1	0.35	CBSH
PC-09-11	130	135.5		5.5	R
PC-09-11	135.5	135.85		0.35	CBSH
PC-09-11	135.85	136.1		0.25	R
PC-09-11	136.1	136.5		0.4	CBSH
PC-09-11	136.5	144.27		7.77	R
PC-09-11	144.27	144.45		0.18	CBSH
PC-09-11	144.45	145.35	G	0.9	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-11	145.35	152.85	GJPT	7.5	R
PC-09-11	152.85	152.95	J1	0.1	DC
PC-09-11	152.95	154.2	J1	1.25	C
PC-09-11	154.2	154.25	J1	0.05	DC
PC-09-11	154.25	154.32	J2P	0.07	CR
PC-09-11	154.32	155.48	J2U	1.16	C
PC-09-11	155.48	155.58	J2U	0.1	DC
PC-09-11	155.58	156.5	J2U	0.92	C
PC-09-11	156.5	157.9	J2L	1.4	C
PC-09-11	157.9	159.28	J3P	1.38	R
PC-09-11	159.28	159.42	J3P	0.14	CBSH
PC-09-11	159.42	161.7	J3	2.28	C
PC-09-11	161.7	161.8		0.1	CR
PC-09-11	161.8	168.4	QUINTETTE	6.6	R
PC-09-12	0	1.35	DRIFT	1.35	DRIFT
PC-09-12	1.35	18.2	HULCROSS	16.85	R
PC-09-12	18.2	18.3	HULCROSS	0.1	CBSH
PC-09-12	18.3	18.45	HULCROSS	0.15	R
PC-09-12	18.45	18.6	HULCROSS	0.15	CBSH
PC-09-12	18.6	18.95	HULCROSS	0.35	R
PC-09-12	18.95	19.2	HULCROSS	0.25	CBSH
PC-09-12	19.2	19.65	HULCROSS	0.45	R
PC-09-12	19.65	20.05	HULCROSS	0.4	ASH_08
PC-09-12	20.05	25.3	HULCROSS	5.25	R
PC-09-12	25.3	25.5	HULCROSS	0.2	ASH_05
PC-09-12	25.5	26.7	HULCROSS	1.2	R
PC-09-12	26.7	26.95	HULCROSS	0.25	ASH_04
PC-09-12	26.95	35	HULCROSS	8.05	R
PC-09-12	35	35.2	HULCROSS	0.2	CBSH
PC-09-12	35.2	40.6	HULCROSS	5.4	R
PC-09-12	40.6	40.8	HULCROSS	0.2	ASH_01
PC-09-12	40.8	41.15	HULCROSS	0.35	R
PC-09-12	41.15	41.9	BASAL_HC	0.75	R
PC-09-12	41.9	46.85		4.95	R
PC-09-12	46.85	47		0.15	CR
PC-09-12	47	47.12	A1	0.12	DC
PC-09-12	47.12	47.25	A1	0.13	CR
PC-09-12	47.25	47.4	A1	0.15	C
PC-09-12	47.4	47.6		0.2	CR
PC-09-12	47.6	55.4		7.8	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-12	55.4	55.7		0.3	CBSH
PC-09-12	55.7	56.75		1.05	R
PC-09-12	56.75	57.1	A	0.35	DC
PC-09-12	57.1	57.2		0.1	R
PC-09-12	57.2	57.65		0.45	ASH
PC-09-12	57.65	57.95		0.3	CBSH
PC-09-12	57.95	61.35		3.4	R
PC-09-12	61.35	61.55		0.2	ASH
PC-09-12	61.55	70.89		9.34	R
PC-09-12	70.89	71.07		0.18	CBSH
PC-09-12	71.07	71.95	B	0.88	C
PC-09-12	71.95	72.15		0.2	CBSH
PC-09-12	72.15	76.2		4.05	R
PC-09-12	76.2	120.9	ARMAND	44.7	R
PC-09-12	120.9	121.72		0.82	R
PC-09-12	121.72	121.92		0.2	CR
PC-09-12	121.92	122.01	C	0.09	DC
PC-09-12	122.01	122.32	C	0.31	CR
PC-09-12	122.32	122.48	C	0.16	DC
PC-09-12	122.48	142.8		20.32	R
PC-09-12	142.8	145.5	FSS	2.7	R
PC-09-12	145.5	151	FT_MT_CG	5.5	R
PC-09-12	151	151.2		0.2	R
PC-09-12	151.2	151.32	D	0.12	CBSH
PC-09-12	151.32	156.65		5.33	R
PC-09-12	156.65	156.8		0.15	CBSH
PC-09-12	156.8	157.09	E0	0.29	C
PC-09-12	157.09	157.25		0.16	CR
PC-09-12	157.25	157.85		0.6	R
PC-09-12	157.85	158.15		0.3	CBSH
PC-09-12	158.15	158.55	E1	0.4	DC
PC-09-12	158.55	158.7		0.15	CBSH
PC-09-12	158.7	159.3		0.6	R
PC-09-12	159.3	159.5		0.2	CBSH
PC-09-12	159.5	159.63		0.13	CR
PC-09-12	159.63	159.75		0.12	R
PC-09-12	159.75	159.92	E2U	0.17	DC
PC-09-12	159.92	160.22	E2L	0.3	C
PC-09-12	160.22	160.4	E3P	0.18	CBSH
PC-09-12	160.4	164	E3P	3.6	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-12	164	164.16	E3P	0.16	CBSH
PC-09-12	164.16	164.45	E3U	0.29	C
PC-09-12	164.45	164.65		0.2	CBSH
PC-09-12	164.65	164.85		0.2	R
PC-09-12	164.85	164.98	E3L	0.13	CR
PC-09-12	164.98	167.21		2.23	R
PC-09-12	167.21	167.62	E4	0.41	CBSH
PC-09-12	167.62	177.12		9.5	R
PC-09-12	177.12	177.35	F1	0.23	DC
PC-09-12	177.35	177.45	F1	0.1	CR
PC-09-12	177.45	177.55	F1	0.1	DC
PC-09-12	177.55	177.65	F1	0.1	CR
PC-09-12	177.65	177.9	F1	0.25	DC
PC-09-12	177.9	178.1	F2P	0.2	CR
PC-09-12	178.1	178.24	F2P	0.14	R
PC-09-12	178.24	178.45	F2P	0.21	CR
PC-09-12	178.45	178.82	F2	0.37	C
PC-09-12	178.82	179		0.18	CBSH
PC-09-12	179	192.25	WV_CG	13.25	R
PC-09-12	192.25	196.87	WSS	4.62	R
PC-09-12	196.87	197		0.13	CBSH
PC-09-12	197	197.27	G1	0.27	DC
PC-09-12	197.27	197.38	G1	0.11	C
PC-09-12	197.38	197.5	G1	0.12	DC
PC-09-12	197.5	197.62	G1	0.12	CR
PC-09-12	197.62	197.75	G1	0.13	DC
PC-09-12	197.75	197.95		0.2	CBSH
PC-09-12	197.95	203.15		5.2	R
PC-09-12	203.15	203.4		0.25	CBSH
PC-09-12	203.4	214.42		11.02	R
PC-09-12	214.42	214.55		0.13	CR
PC-09-12	214.55	215.4	G	0.85	C
PC-09-12	215.4	215.6	GJPT	0.2	CBSH
PC-09-12	215.6	221.1	GJPT	5.5	R
PC-09-12	221.1	221.25	GJPT	0.15	CR
PC-09-12	221.25	222.45	J1	1.2	C
PC-09-12	222.45	222.58	J1	0.13	DC
PC-09-12	222.58	222.68	J1	0.1	R
PC-09-12	222.68	222.82	J1	0.14	DC
PC-09-12	222.82	223.05	J1	0.23	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-12	223.05	223.32	J1	0.27	DC
PC-09-12	223.32	223.38	J1	0.06	DC
PC-09-12	223.38	224.2	J2U	0.82	DC
PC-09-12	224.2	224.27	J2U	0.07	C
PC-09-12	224.27	225.28	J2U	1.01	DC
PC-09-12	225.28	225.4	J2U	0.12	C
PC-09-12	225.4	225.66	J2LP	0.26	CR
PC-09-12	225.66	225.76	J2LP	0.1	CBSH
PC-09-12	225.76	226.87	J2L	1.11	C
PC-09-12	226.87	227	J3P	0.13	CBSH
PC-09-12	227	227.1	J3P	0.1	CR
PC-09-12	227.1	228.25	J3P	1.15	R
PC-09-12	228.25	228.4	J3P	0.15	CBSH
PC-09-12	228.4	230.4	J3	2	C
PC-09-12	230.4	231.5		1.1	R
PC-09-12	231.5	240.79	QUINTETTE	9.29	R
PC-09-13	0	2.25	DRIFT	2.25	DRIFT
PC-09-13	2.25	6.4	HULCROSS	4.15	R
PC-09-13	6.4	6.55	HULCROSS	0.15	ASH_02
PC-09-13	6.55	6.75	HULCROSS	0.2	R
PC-09-13	6.75	7.2	BASAL_HC	0.45	R
PC-09-13	7.2	10		2.8	R
PC-09-13	10	10.75	A1	0.75	DC
PC-09-13	10.75	10.9		0.15	CR
PC-09-13	10.9	14.75		3.85	R
PC-09-13	14.75	15		0.25	FAULT
PC-09-13	15	16.05	HULCROSS	1.05	R
PC-09-13	16.05	16.2	HULCROSS	0.15	ASH_02
PC-09-13	16.2	16.3	HULCROSS	0.1	R
PC-09-13	16.3	17.05	BASAL_HC	0.75	R
PC-09-13	17.05	18.85		1.8	R
PC-09-13	18.85	18.95		0.1	CBSH
PC-09-13	18.95	19.1		0.15	CR
PC-09-13	19.1	19.4	A1	0.3	DC
PC-09-13	19.4	27.3		7.9	R
PC-09-13	27.3	27.7		0.4	CBSH
PC-09-13	27.7	28.95		1.25	R
PC-09-13	28.95	29.3	A	0.35	DC
PC-09-13	29.3	29.6		0.3	ASH
PC-09-13	29.6	29.95		0.35	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-13	29.95	30.2		0.25	CBSH
PC-09-13	30.2	34.15		3.95	R
PC-09-13	34.15	34.35		0.2	ASH
PC-09-13	34.35	43.05		8.7	R
PC-09-13	43.05	43.27		0.22	CBSH
PC-09-13	43.27	44.13	B	0.86	C
PC-09-13	44.13	44.35		0.22	CBSH
PC-09-13	44.35	48.4		4.05	R
PC-09-13	48.4	83.5	ARMAND	35.1	R
PC-09-13	83.5	83.9		0.4	R
PC-09-13	83.9	84.18		0.28	CBSH
PC-09-13	84.18	84.6	C	0.42	DC
PC-09-13	84.6	105.8		21.2	R
PC-09-13	105.8	109.7	FSS	3.9	R
PC-09-13	109.7	115.7	FT_MT_CG	6	R
PC-09-13	115.7	116.4		0.7	R
PC-09-13	116.4	116.5	D	0.1	CBSH
PC-09-13	116.5	123		6.5	R
PC-09-13	123	123.4	E0	0.4	C
PC-09-13	123.4	123.6		0.2	CBSH
PC-09-13	123.6	124.35		0.75	R
PC-09-13	124.35	124.47		0.12	CBSH
PC-09-13	124.47	124.8	E1	0.33	DC
PC-09-13	124.8	124.95		0.15	CBSH
PC-09-13	124.95	125.47		0.52	R
PC-09-13	125.47	125.63		0.16	CBSH
PC-09-13	125.63	125.8		0.17	CR
PC-09-13	125.8	125.93	E2U	0.13	DC
PC-09-13	125.93	126.28	E2L	0.35	C
PC-09-13	126.28	129.67	E3P	3.39	R
PC-09-13	129.67	129.85	E3P	0.18	CBSH
PC-09-13	129.85	130	E3U	0.15	C
PC-09-13	130	130.15	E3U	0.15	DC
PC-09-13	130.15	130.25		0.1	CR
PC-09-13	130.25	130.52		0.27	R
PC-09-13	130.52	130.88	E3L	0.36	CR
PC-09-13	130.88	132.55		1.67	R
PC-09-13	132.55	132.85	E4	0.3	CBSH
PC-09-13	132.85	142.03		9.18	R
PC-09-13	142.03	142.2		0.17	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-13	142.2	142.4	F1	0.2	C
PC-09-13	142.4	142.75	F1	0.35	DC
PC-09-13	142.75	142.9	F1	0.15	C
PC-09-13	142.9	143.05	F1	0.15	DC
PC-09-13	143.05	143.12	F2P	0.07	CR
PC-09-13	143.12	143.35	F2	0.23	DC
PC-09-13	143.35	143.63	F2	0.28	C
PC-09-13	143.63	143.8		0.17	CR
PC-09-13	143.8	151.5	WV_CG	7.7	R
PC-09-13	151.5	157.1	WSS	5.6	R
PC-09-13	157.1	157.22		0.12	CBSH
PC-09-13	157.22	157.6	G1	0.38	DC
PC-09-13	157.6	157.83		0.23	CR
PC-09-13	157.83	158.05		0.22	CBSH
PC-09-13	158.05	173		14.95	R
PC-09-13	173	173.09		0.09	CBSH
PC-09-13	173.09	173.25		0.16	CR
PC-09-13	173.25	173.95	G	0.7	C
PC-09-13	173.95	174.1	GJPT	0.15	CBSH
PC-09-13	174.1	179.5	GJPT	5.4	R
PC-09-13	179.5	179.68	GJPT	0.18	CBSH
PC-09-13	179.68	179.78	J1	0.1	DC
PC-09-13	179.78	181.82	J1	2.04	C
PC-09-13	181.82	182.4	J2U	0.58	C
PC-09-13	182.4	182.48	J2U	0.08	DC
PC-09-13	182.48	182.62	J2U	0.14	C
PC-09-13	182.62	182.75	J2U	0.13	DC
PC-09-13	182.75	183.7	J2U	0.95	C
PC-09-13	183.7	183.94	J2LP	0.24	CR
PC-09-13	183.94	184.09	J2LP	0.15	CBSH
PC-09-13	184.09	185.15	J2L	1.06	C
PC-09-13	185.15	185.25	J3P	0.1	CR
PC-09-13	185.25	185.4	J3P	0.15	CBSH
PC-09-13	185.4	185.48	J3P	0.08	DC
PC-09-13	185.48	185.6	J3P	0.12	R
PC-09-13	185.6	185.72	J3P	0.12	CBSH
PC-09-13	185.72	186.5	J3P	0.78	R
PC-09-13	186.5	186.6	J3	0.1	DC
PC-09-13	186.6	188.67	J3	2.07	C
PC-09-13	188.67	188.8		0.13	CR

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-13	188.8	190.2		1.4	R
PC-09-13	190.2	196.55	QUINTETTE	6.35	R
PC-09-14	0	2.35	DRIFT	2.35	DRIFT
PC-09-14	2.35	5.8		3.45	R
PC-09-14	5.8	5.95		0.15	CBSH
PC-09-14	5.95	7	B	1.05	C
PC-09-14	7	7.2		0.2	CBSH
PC-09-14	7.2	9.3		2.1	R
PC-09-14	9.3	9.6		0.3	FAULT
PC-09-14	9.6	12.2		2.6	R
PC-09-14	12.2	12.4		0.2	CR
PC-09-14	12.4	13.22	B	0.82	C
PC-09-14	13.22	13.4		0.18	CBSH
PC-09-14	13.4	20.2		6.8	R
PC-09-14	20.2	57.4	ARMAND	37.2	R
PC-09-14	57.4	58.5		1.1	R
PC-09-14	58.5	58.6		0.1	CBSH
PC-09-14	58.6	58.8		0.2	CR
PC-09-14	58.8	58.95	C	0.15	DC
PC-09-14	58.95	59.08	C	0.13	CR
PC-09-14	59.08	59.22	C	0.14	DC
PC-09-14	59.22	59.45		0.23	CBSH
PC-09-14	59.45	76.5		17.05	R
PC-09-14	76.5	80.55	FSS	4.05	R
PC-09-14	80.55	88.7	FT_MT_CG	8.15	R
PC-09-14	88.7	96.1		7.4	R
PC-09-14	96.1	96.3		0.2	CBSH
PC-09-14	96.3	96.53	E0	0.23	C
PC-09-14	96.53	96.74		0.21	CR
PC-09-14	96.74	97.73		0.99	R
PC-09-14	97.73	97.9		0.17	CBSH
PC-09-14	97.9	98.1	E1	0.2	DC
PC-09-14	98.1	98.28		0.18	CR
PC-09-14	98.28	98.72		0.44	CBSH
PC-09-14	98.72	98.85	E2U	0.13	CR
PC-09-14	98.85	98.95	E2LP	0.1	R
PC-09-14	98.95	99.1	E2L	0.15	DC
PC-09-14	99.1	99.4	E2L	0.3	C
PC-09-14	99.4	99.6	E3P	0.2	CBSH
PC-09-14	99.6	103.26	E3P	3.66	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-14	103.26	103.48	E3P	0.22	CBSH
PC-09-14	103.48	103.65	E3U	0.17	C
PC-09-14	103.65	103.8		0.15	CR
PC-09-14	103.8	104.15		0.35	CBSH
PC-09-14	104.15	104.33	E3L	0.18	CR
PC-09-14	104.33	106.65		2.32	R
PC-09-14	106.65	106.8	E4	0.15	CBSH
PC-09-14	106.8	107.8		1	R
PC-09-14	107.8	108		0.2	CBSH
PC-09-14	108	116.8		8.8	R
PC-09-14	116.8	117		0.2	CBSH
PC-09-14	117	117.25	F1	0.25	C
PC-09-14	117.25	117.6	F1	0.35	DC
PC-09-14	117.6	117.72	F1	0.12	C
PC-09-14	117.72	117.92	F1	0.2	DC
PC-09-14	117.92	118.6	F2P	0.68	CBSH
PC-09-14	118.6	119.28	F2	0.68	C
PC-09-14	119.28	119.45		0.17	CBSH
PC-09-14	119.45	129.45	WV_CG	10	R
PC-09-14	129.45	135.4	WSS	5.95	R
PC-09-14	135.4	135.48		0.08	R
PC-09-14	135.48	135.82	G1	0.34	C
PC-09-14	135.82	135.95	G1	0.13	CR
PC-09-14	135.95	136.08	G1	0.13	DC
PC-09-14	136.08	136.35		0.27	CBSH
PC-09-14	136.35	142.6		6.25	R
PC-09-14	142.6	142.8		0.2	CBSH
PC-09-14	142.8	153.65		10.85	R
PC-09-14	153.65	153.87		0.22	CBSH
PC-09-14	153.87	154.6	G	0.73	C
PC-09-14	154.6	154.78	GJPT	0.18	CBSH
PC-09-14	154.78	160.38	GJPT	5.6	R
PC-09-14	160.38	162.15	J1	1.77	C
PC-09-14	162.15	162.22	J1	0.07	DC
PC-09-14	162.22	164.4	J2U	2.18	C
PC-09-14	164.4	164.86	J2LP	0.46	CBSH
PC-09-14	164.86	165.99	J2L	1.13	C
PC-09-14	165.99	166.15	J2L	0.16	DC
PC-09-14	166.15	167.78	J3P	1.63	R
PC-09-14	167.78	167.9	J3P	0.12	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-14	167.9	168	J3	0.1	DC
PC-09-14	168	169.89	J3	1.89	C
PC-09-14	169.89	170.05	J3	0.16	DC
PC-09-14	170.05	178.3	QUINTETTE	8.25	R
PC-09-15	0	1.2	DRIFT	1.2	DRIFT
PC-09-15	1.2	12		10.8	R
PC-09-15	12	12.35	A	0.35	DC
PC-09-15	12.35	12.65		0.3	ASH
PC-09-15	12.65	12.95		0.3	CBSH
PC-09-15	12.95	17.2		4.25	R
PC-09-15	17.2	17.45		0.25	ASH
PC-09-15	17.45	25.16		7.71	R
PC-09-15	25.16	26.02	B	0.86	C
PC-09-15	26.02	26.22	B	0.2	DC
PC-09-15	26.22	28.4		2.18	R
PC-09-15	28.4	63.9	ARMAND	35.5	R
PC-09-15	63.9	64.2		0.3	CR
PC-09-15	64.2	64.55	C	0.35	DC
PC-09-15	64.55	79.3		14.75	R
PC-09-15	79.3	90.15	FSS	10.85	R
PC-09-15	90.15	95.6	FT_MT_CG	5.45	R
PC-09-15	95.6	96.05	D	0.45	CBSH
PC-09-15	96.05	105		8.95	R
PC-09-15	105	105.15		0.15	CBSH
PC-09-15	105.15	105.35	E0	0.2	C
PC-09-15	105.35	105.55		0.2	CR
PC-09-15	105.55	105.68		0.13	R
PC-09-15	105.68	105.8		0.12	CBSH
PC-09-15	105.8	105.95		0.15	R
PC-09-15	105.95	106.35		0.4	CBSH
PC-09-15	106.35	106.48		0.13	CR
PC-09-15	106.48	106.65	E1	0.17	DC
PC-09-15	106.65	106.87		0.22	CBSH
PC-09-15	106.87	107.25		0.38	R
PC-09-15	107.25	107.4		0.15	CR
PC-09-15	107.4	107.45		0.05	R
PC-09-15	107.45	107.6	E2U	0.15	DC
PC-09-15	107.6	107.72	E2LP	0.12	CR
PC-09-15	107.72	108.2	E2L	0.48	C
PC-09-15	108.2	108.35	E3P	0.15	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-15	108.35	110.88	E3P	2.53	R
PC-09-15	110.88	111.12	E3U	0.24	CBSH
PC-09-15	111.12	111.31		0.19	R
PC-09-15	111.31	111.51		0.2	CBSH
PC-09-15	111.51	111.8		0.29	R
PC-09-15	111.8	112.05	E3L	0.25	CR
PC-09-15	112.05	112.48		0.43	R
PC-09-15	112.48	112.62		0.14	CBSH
PC-09-15	112.62	113.53		0.91	R
PC-09-15	113.53	113.88	E4	0.35	CBSH
PC-09-15	113.88	122.48		8.6	R
PC-09-15	122.48	122.66		0.18	CBSH
PC-09-15	122.66	122.85	F1	0.19	C
PC-09-15	122.85	123.23	F1	0.38	DC
PC-09-15	123.23	123.48	F1	0.25	C
PC-09-15	123.48	123.53	F2	0.05	DC
PC-09-15	123.53	124.35	F2	0.82	C
PC-09-15	124.35	124.55		0.2	CBSH
PC-09-15	124.55	134	WV_CG	9.45	R
PC-09-15	134	134.1		0.1	R
PC-09-15	134.1	134.35		0.25	CBSH
PC-09-15	134.35	135		0.65	R
PC-09-15	135	139.62	WSS	4.62	R
PC-09-15	139.62	140.23		0.61	R
PC-09-15	140.23	140.45		0.22	CBSH
PC-09-15	140.45	140.72	G1	0.27	C
PC-09-15	140.72	140.93	G1	0.21	DC
PC-09-15	140.93	141.07		0.14	R
PC-09-15	141.07	141.2		0.13	CBSH
PC-09-15	141.2	147		5.8	R
PC-09-15	147	147.8		0.8	CBSH
PC-09-15	147.8	156.1		8.3	R
PC-09-15	156.1	156.25		0.15	CR
PC-09-15	156.25	156.95	G	0.7	C
PC-09-15	156.95	157.18	GJPT	0.23	CBSH
PC-09-15	157.18	162.32	GJPT	5.14	R
PC-09-15	162.32	163.92	J1	1.6	C
PC-09-15	163.92	165.02	J2U	1.1	C
PC-09-15	165.02	165.33	J2U	0.31	DC
PC-09-15	165.33	166.29	J2U	0.96	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-15	166.29	166.6	J2L	0.31	DC
PC-09-15	166.6	167.65	J2L	1.05	C
PC-09-15	167.65	167.87	J3P	0.22	CBSH
PC-09-15	167.87	169.1	J3P	1.23	R
PC-09-15	169.1	169.31	J3P	0.21	CBSH
PC-09-15	169.31	171.36	J3	2.05	C
PC-09-15	171.36	171.5		0.14	CBSH
PC-09-15	171.5	180.27	QUINTETTE	8.77	R
PC-09-16	0	2.2	DRIFT	2.2	DRIFT
PC-09-16	2.2	7.8		5.6	R
PC-09-16	7.8	8.15		0.35	CBSH
PC-09-16	8.15	9.25		1.1	R
PC-09-16	9.25	9.65	A	0.4	DC
PC-09-16	9.65	10		0.35	ASH
PC-09-16	10	20.65		10.65	R
PC-09-16	20.65	20.82		0.17	CBSH
PC-09-16	20.82	21.76	B	0.94	C
PC-09-16	21.76	21.95		0.19	CBSH
PC-09-16	21.95	60.45		38.5	R
PC-09-16	60.45	61.08		0.63	CBSH
PC-09-16	61.08	61.55	C	0.47	DC
PC-09-16	61.55	77.55		16	R
PC-09-16	77.55	82.25	FSS	4.7	R
PC-09-16	82.25	94.65	FT_MN_CG	12.4	R
PC-09-16	94.65	94.9	D	0.25	CBSH
PC-09-16	94.9	102.6		7.7	R
PC-09-16	102.6	102.68		0.08	CR
PC-09-16	102.68	102.88	E0	0.2	DC
PC-09-16	102.88	103.32		0.44	CBSH
PC-09-16	103.32	104.06		0.74	R
PC-09-16	104.06	104.3		0.24	CBSH
PC-09-16	104.3	104.46	E1	0.16	DC
PC-09-16	104.46	104.69		0.23	CBSH
PC-09-16	104.69	104.98		0.29	R
PC-09-16	104.98	105.12		0.14	CBSH
PC-09-16	105.12	105.28		0.16	CR
PC-09-16	105.28	105.43	E2U	0.15	DC
PC-09-16	105.43	105.53	E2LP	0.1	CR
PC-09-16	105.53	106.03	E2L	0.5	C
PC-09-16	106.03	106.21	E3P	0.18	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-16	106.21	108.62	E3P	2.41	R
PC-09-16	108.62	108.8	E3P	0.18	CBSH
PC-09-16	108.8	109	E3U	0.2	C
PC-09-16	109	109.08		0.08	CR
PC-09-16	109.08	109.45		0.37	CBSH
PC-09-16	109.45	109.62	E3L	0.17	CR
PC-09-16	109.62	109.88		0.26	CBSH
PC-09-16	109.88	111.34		1.46	R
PC-09-16	111.34	111.87	E4	0.53	CBSH
PC-09-16	111.87	122.4		10.53	R
PC-09-16	122.4	122.58		0.18	CBSH
PC-09-16	122.58	122.77	F1	0.19	C
PC-09-16	122.77	122.9	F1	0.13	DC
PC-09-16	122.9	123	F1	0.1	C
PC-09-16	123	123.1	F1	0.1	DC
PC-09-16	123.1	123.34	F1	0.24	C
PC-09-16	123.34	123.48	F2	0.14	DC
PC-09-16	123.48	123.58	F2	0.1	C
PC-09-16	123.58	123.7	F2	0.12	DC
PC-09-16	123.7	123.96	F2	0.26	C
PC-09-16	123.96	124.17		0.21	CBSH
PC-09-16	124.17	135.4	WV_CG	11.23	R
PC-09-16	135.4	138.9	WSS	3.5	R
PC-09-16	138.9	139.15		0.25	R
PC-09-16	139.15	139.28		0.13	CBSH
PC-09-16	139.28	139.36		0.08	CR
PC-09-16	139.36	139.55	G1	0.19	C
PC-09-16	139.55	139.7	G1	0.15	DC
PC-09-16	139.7	139.9		0.2	CBSH
PC-09-16	139.9	140.23		0.33	R
PC-09-16	140.23	140.54		0.31	CBSH
PC-09-16	140.54	145.55		5.01	R
PC-09-16	145.55	145.95		0.4	CBSH
PC-09-16	145.95	154.2		8.25	R
PC-09-16	154.2	154.4		0.2	CBSH
PC-09-16	154.4	155.07	G	0.67	C
PC-09-16	155.07	155.3	GJPT	0.23	CBSH
PC-09-16	155.3	161.25	GJPT	5.95	R
PC-09-16	161.25	163.25	J1	2	C
PC-09-16	163.25	164.95	J2U	1.7	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-16	164.95	165.07	J2LP	0.12	CR
PC-09-16	165.07	165.2	J2L	0.13	DC
PC-09-16	165.2	165.28	J2L	0.08	CR
PC-09-16	165.28	166.35	J2L	1.07	C
PC-09-16	166.35	166.65	J2L	0.3	DC
PC-09-16	166.65	167.66	J3P	1.01	R
PC-09-16	167.66	167.86	J3P	0.2	CBSH
PC-09-16	167.86	169.8	J3	1.94	C
PC-09-16	169.8	169.95		0.15	CBSH
PC-09-16	169.95	177.51	QUINTETTE	7.56	R
PC-09-17	0	2.6	DRIFT	2.6	DRIFT
PC-09-17	2.6	15.6		13	R
PC-09-17	15.6	15.8	B	0.2	CR
PC-09-17	15.8	16.15		0.35	R
PC-09-17	16.15	16.3		0.15	CBSH
PC-09-17	16.3	52.5	ARMAND	36.2	R
PC-09-17	52.5	52.6		0.1	R
PC-09-17	52.6	53.1	C	0.5	DC
PC-09-17	53.1	71.2		18.1	R
PC-09-17	71.2	76.95	FSS	5.75	R
PC-09-17	76.95	78.05	FSS	1.1	R
PC-09-17	78.05	85.65	FT_MN_CG	7.6	R
PC-09-17	85.65	85.9	FT_MN_CG	0.25	CBSH
PC-09-17	85.9	88.85	FT_MN_CG	2.95	R
PC-09-17	88.85	90.66		1.81	R
PC-09-17	90.66	90.88	E0	0.22	C
PC-09-17	90.88	91.07	E0	0.19	DC
PC-09-17	91.07	91.13		0.06	CR
PC-09-17	91.13	92.5		1.37	R
PC-09-17	92.5	92.69	E1	0.19	CR
PC-09-17	92.69	93.71		1.02	R
PC-09-17	93.71	93.85	E2U	0.14	CR
PC-09-17	93.85	93.96	E2LP	0.11	R
PC-09-17	93.96	94.01	E2L	0.05	DC
PC-09-17	94.01	94.37	E2L	0.36	C
PC-09-17	94.37	94.6	E3P	0.23	CBSH
PC-09-17	94.6	97.05	E3P	2.45	R
PC-09-17	97.05	97.24	E3P	0.19	CBSH
PC-09-17	97.24	97.65	E3U	0.41	C
PC-09-17	97.65	97.73		0.08	CR

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-17	97.73	98.63		0.9	R
PC-09-17	98.63	98.75	E3L	0.12	CBSH
PC-09-17	98.75	102.15		3.4	R
PC-09-17	102.15	102.28	E4	0.13	CBSH
PC-09-17	102.28	111.55		9.27	R
PC-09-17	111.55	111.8		0.25	CR
PC-09-17	111.8	112.08	F1	0.28	DC
PC-09-17	112.08	112.3	F2P	0.22	CR
PC-09-17	112.3	112.38	F2P	0.08	CBSH
PC-09-17	112.38	112.54	F2P	0.16	CR
PC-09-17	112.54	112.84	F2P	0.3	CBSH
PC-09-17	112.84	114.51	F2P	1.67	R
PC-09-17	114.51	115.01	F2	0.5	C
PC-09-17	115.01	115.26	F2P	0.25	CBSH
PC-09-17	115.26	115.34	F2P	0.08	R
PC-09-17	115.34	127.9	WV_CG	12.56	R
PC-09-17	127.9	134.3	WSS	6.4	R
PC-09-17	134.3	134.53		0.23	R
PC-09-17	134.53	134.88	G1	0.35	DC
PC-09-17	134.88	140.4		5.52	R
PC-09-17	140.4	140.65		0.25	CBSH
PC-09-17	140.65	151.27		10.62	R
PC-09-17	151.27	151.4		0.13	CBSH
PC-09-17	151.4	152.05	G	0.65	C
PC-09-17	152.05	152.11	G	0.06	DC
PC-09-17	152.11	152.25	GJPT	0.14	CBSH
PC-09-17	152.25	158.07	GJPT	5.82	R
PC-09-17	158.07	159.34	J1	1.27	C
PC-09-17	159.34	159.75	J2U	0.41	DC
PC-09-17	159.75	160.35	J2U	0.6	C
PC-09-17	160.35	160.43	J2U	0.08	DC
PC-09-17	160.43	161.08	J2U	0.65	C
PC-09-17	161.08	161.2	J2LP	0.12	CBSH
PC-09-17	161.2	161.4	J2LP	0.2	CR
PC-09-17	161.4	162.42	J2L	1.02	C
PC-09-17	162.42	162.48	J2L	0.06	DC
PC-09-17	162.48	162.62	J3P	0.14	CBSH
PC-09-17	162.62	163.68	J3P	1.06	R
PC-09-17	163.68	163.89	J3P	0.21	CBSH
PC-09-17	163.89	166	J3	2.11	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-17	166	166.15		0.15	CBSH
PC-09-17	166.15	167.4		1.25	R
PC-09-17	167.4	174.68	QUINTETTE	7.28	R
PC-09-18	0	2.4	DRIFT	2.4	DRIFT
PC-09-18	2.4	3.15	HULCROSS	0.75	R
PC-09-18	3.15	4.2	BASAL_HC	1.05	R
PC-09-18	4.2	18.85		14.65	R
PC-09-18	18.85	19.1		0.25	CBSH
PC-09-18	19.1	19.6	A1	0.5	DC
PC-09-18	19.6	19.85		0.25	CBSH
PC-09-18	19.85	21		1.15	R
PC-09-18	21	21.5		0.5	CBSH
PC-09-18	21.5	27		5.5	R
PC-09-18	27	27.35	A	0.35	DC
PC-09-18	27.35	31		3.65	R
PC-09-18	31	31.4		0.4	CBSH
PC-09-18	31.4	31.6		0.2	ASH
PC-09-18	31.6	43.6		12	R
PC-09-18	43.6	44.8	B	1.2	C
PC-09-18	44.8	45	B	0.2	DC
PC-09-18	45	48.7		3.7	R
PC-09-18	48.7	55.1	ARMAND	6.4	R
PC-09-18	55.1	55.3	ARMAND	0.2	C
PC-09-18	55.3	55.7	ARMAND	0.4	R
PC-09-18	55.7	55.85	ARMAND	0.15	FAULT
PC-09-18	55.85	86.2	ARMAND	30.35	R
PC-09-18	86.2	86.4		0.2	R
PC-09-18	86.4	86.6		0.2	CBSH
PC-09-18	86.6	87.1	C	0.5	CR
PC-09-18	87.1	99.6		12.5	R
PC-09-18	99.6	113.7	FSS	14.1	R
PC-09-18	113.7	120.95	FT_MT_CG	7.25	R
PC-09-18	120.95	121.4	D	0.45	CBSH
PC-09-18	121.4	127.28		5.88	R
PC-09-18	127.28	127.45		0.17	CBSH
PC-09-18	127.45	127.74	E0	0.29	C
PC-09-18	127.74	127.95		0.21	CBSH
PC-09-18	127.95	128.7		0.75	R
PC-09-18	128.7	129.05	E1	0.35	CR
PC-09-18	129.05	129.3		0.25	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-18	129.3	129.7		0.4	R
PC-09-18	129.7	129.9		0.2	CBSH
PC-09-18	129.9	130	E2U	0.1	DC
PC-09-18	130	130.1	E2LP	0.1	CR
PC-09-18	130.1	130.25	E2L	0.15	DC
PC-09-18	130.25	130.48	E2L	0.23	C
PC-09-18	130.48	130.68	E3P	0.2	CBSH
PC-09-18	130.68	133.1	E3P	2.42	R
PC-09-18	133.1	133.28	E3P	0.18	CBSH
PC-09-18	133.28	133.68	E3U	0.4	C
PC-09-18	133.68	133.8		0.12	CBSH
PC-09-18	133.8	135.02		1.22	R
PC-09-18	135.02	135.16	E3L	0.14	CBSH
PC-09-18	135.16	138.12		2.96	R
PC-09-18	138.12	138.4	E4	0.28	CBSH
PC-09-18	138.4	145.9		7.5	R
PC-09-18	145.9	146.12		0.22	CBSH
PC-09-18	146.12	146.6	F1	0.48	DC
PC-09-18	146.6	152.87	F2P	6.27	R
PC-09-18	152.87	153.08	F2P	0.21	CBSH
PC-09-18	153.08	153.5	F2	0.42	C
PC-09-18	153.5	153.65		0.15	CBSH
PC-09-18	153.65	153.8		0.15	R
PC-09-18	153.8	167.4	WV_CG	13.6	R
PC-09-18	167.4	173.15	WSS	5.75	R
PC-09-18	173.15	173.6	G1	0.45	CR
PC-09-18	173.6	187		13.4	R
PC-09-18	187	187.85	G	0.85	C
PC-09-18	187.85	196.5	GJPT	8.65	R
PC-09-18	196.5	196.6	GJPT	0.1	CBSH
PC-09-18	196.6	198.25	J1	1.65	C
PC-09-18	198.25	198.6	J1	0.35	DC
PC-09-18	198.6	198.65	J1	0.05	CR
PC-09-18	198.65	198.88	J1	0.23	C
PC-09-18	198.88	198.99	J2P	0.11	CR
PC-09-18	198.99	199.2	J2U	0.21	DC
PC-09-18	199.2	199.81	J2U	0.61	C
PC-09-18	199.81	200.2	J2U	0.39	CR
PC-09-18	200.2	201.25	J2U	1.05	C
PC-09-18	201.25	201.6	J2LP	0.35	CR

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-18	201.6	202.78	J2L	1.18	C
PC-09-18	202.78	203.25	J3P	0.47	R
PC-09-18	203.25	203.6	J3P	0.35	DC
PC-09-18	203.6	204.6	J3P	1	R
PC-09-19	0	23.75	DRIFT	23.75	DRIFT
PC-09-19	23.75	28.9		5.15	R
PC-09-19	28.9	29.55	B	0.65	C
PC-09-19	29.55	29.75		0.2	CR
PC-09-19	29.75	31.35		1.6	R
PC-09-19	31.35	31.55		0.2	CR
PC-09-19	31.55	36.75		5.2	R
PC-09-19	36.75	68.1	ARMAND	31.35	R
PC-09-19	68.1	68.2		0.1	R
PC-09-19	68.2	68.95	C	0.75	CR
PC-09-19	68.95	82.9		13.95	R
PC-09-19	82.9	90.25	FSS	7.35	R
PC-09-19	90.25	95.05	FT_MT_CG	4.8	R
PC-09-19	95.05	95.6		0.55	R
PC-09-19	95.6	95.65	D	0.05	CBSH
PC-09-19	95.65	103.5		7.85	R
PC-09-19	103.5	103.65	E0	0.15	CBSH
PC-09-19	103.65	104.4		0.75	R
PC-09-19	104.4	104.6		0.2	CR
PC-09-19	104.6	104.85	E1	0.25	DC
PC-09-19	104.85	115.2		10.35	R
PC-09-19	115.2	115.32	E2U	0.12	DC
PC-09-19	115.32	115.35	E2LP	0.03	CR
PC-09-19	115.35	115.55	E2L	0.2	C
PC-09-19	115.55	115.65	E2L	0.1	DC
PC-09-19	115.65	115.8	E2L	0.15	C
PC-09-19	115.8	120.12	E3P	4.32	R
PC-09-19	120.12	120.4	E3U	0.28	DC
PC-09-19	120.4	120.6		0.2	CR
PC-09-19	120.6	120.77		0.17	R
PC-09-19	120.77	121.2	E3L	0.43	DC
PC-09-19	121.2	121.8		0.6	R
PC-09-19	121.8	122	E4	0.2	CR
PC-09-19	122	122.25		0.25	R
PC-09-19	122.25	122.55		0.3	CBSH
PC-09-19	122.55	127.88		5.33	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-19	127.88	128.11	F1	0.23	C
PC-09-19	128.11	128.25	F1	0.14	DC
PC-09-19	128.25	128.35	F1	0.1	C
PC-09-19	128.35	128.44	F1	0.09	DC
PC-09-19	128.44	128.83	F1	0.39	C
PC-09-19	128.83	129.32	F2	0.49	C
PC-09-19	129.32	140.15	WV_CG	10.83	R
PC-09-19	140.15	146.4	WSS	6.25	R
PC-09-19	146.4	146.8	G1	0.4	CR
PC-09-19	146.8	159.05		12.25	R
PC-09-19	159.05	159.25		0.2	CBSH
PC-09-19	159.25	160.1	G	0.85	C
PC-09-19	160.1	160.25	GJPT	0.15	CR
PC-09-19	160.25	167.96	GJPT	7.71	R
PC-09-19	167.96	169.18	J1	1.22	C
PC-09-19	169.18	169.42	J2P	0.24	CR
PC-09-19	169.42	169.55	J2P	0.13	R
PC-09-19	169.55	170.1	J2U	0.55	C
PC-09-19	170.1	170.25	J2U	0.15	DC
PC-09-19	170.25	171.7	J2U	1.45	C
PC-09-19	171.7	173.2	J2L	1.5	C
PC-09-19	173.2	173.32	J3P	0.12	CR
PC-09-19	173.32	175.05	J3P	1.73	R
PC-09-19	175.05	177.25	J3	2.2	C
PC-09-19	177.25	184.4	QUINTETTE	7.15	R
PC-09-20	0	2.1	DRIFT	2.1	DRIFT
PC-09-20	2.1	39.6	********	37.5	********
PC-09-20	39.6	39.75		0.15	CBSH
PC-09-20	39.75	40	E3U	0.25	DC
PC-09-20	40	40.2		0.2	CR
PC-09-20	40.2	40.48		0.28	CBSH
PC-09-20	40.48	40.75	E3L	0.27	C
PC-09-20	40.75	40.95		0.2	CR
PC-09-20	40.95	41.2		0.25	CBSH
PC-09-20	41.2	41.45	E4	0.25	CR
PC-09-20	41.45	41.88		0.43	CBSH
PC-09-20	41.88	42.54	F1	0.66	C
PC-09-20	42.54	42.7	F2	0.16	DC
PC-09-20	42.7	43.41	F2	0.71	C
PC-09-20	43.41	43.62		0.21	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-20	43.62	70.61	********	26.99	********
PC-09-20	70.61	71	G	0.39	C
PC-09-20	71	71.2	GJPT	0.2	CR
PC-09-20	71.2	74.61	GJPT	3.41	R
PC-09-20	74.61	75.28	J1	0.67	C
PC-09-20	75.28	75.57	J2P	0.29	CR
PC-09-20	75.57	114.62	J2P	39.05	R
PC-09-20	114.62	114.8	J2P	0.18	CBSH
PC-09-20	114.8	115	J2U	0.2	DC
PC-09-20	115	115.21	J2LP	0.21	CR
PC-09-20	115.21	118.41	J2LP	3.2	R
PC-09-20	118.41	118.6	J2LP	0.19	CBSH
PC-09-20	118.6	119.15	J2L	0.55	C
PC-09-20	119.15	126.15	J3P	7	R
PC-09-20	126.15	126.35	J3P	0.2	CBSH
PC-09-20	126.35	128.2	J3	1.85	C
PC-09-20	128.2	128.5	J3	0.3	DC
PC-09-20	128.5	146	QUINTETTE	17.5	R
PC-09-21	0	17.95	DRIFT	17.95	DRIFT
PC-09-21	17.95	92.13	********	74.18	********
PC-09-21	92.13	92.65	E3U	0.52	C
PC-09-21	92.65	93.05		0.4	CBSH
PC-09-21	93.05	93.41	E3L	0.36	C
PC-09-21	93.41	93.8		0.39	R
PC-09-21	93.8	94.15	E4	0.35	CR
PC-09-21	94.15	94.78		0.63	R
PC-09-21	94.78	95.41	F1	0.63	C
PC-09-21	95.41	95.54	F2	0.13	DC
PC-09-21	95.54	96.2	F2	0.66	C
PC-09-21	96.2	121.65	********	25.45	********
PC-09-21	121.65	122	G	0.35	DC
PC-09-21	122	125.5	GJPT	3.5	R
PC-09-21	125.5	126.3	J1	0.8	C
PC-09-21	126.3	168.4	J2P	42.1	R
PC-09-21	168.4	168.7	J2U	0.3	CBSH
PC-09-21	168.7	171.33	J3P	2.63	R
PC-09-21	171.33	171.7	J3	0.37	C
PC-09-21	171.7	172.21	J3	0.51	DC
PC-09-21	172.21	176.78	QUINTETTE	4.57	R
PC-09-22	0	6	DRIFT	6	DRIFT

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-22	6	17.05		11.05	R
PC-09-22	17.05	17.32	E3U	0.27	DC
PC-09-22	17.32	17.8		0.48	CR
PC-09-22	17.8	18.15	E3L	0.35	C
PC-09-22	18.15	18.61		0.46	R
PC-09-22	18.61	19.06	E4	0.45	CR
PC-09-22	19.06	19.85		0.79	R
PC-09-22	19.85	20		0.15	CR
PC-09-22	20	20.5	F1	0.5	C
PC-09-22	20.5	20.61	F1	0.11	DC
PC-09-22	20.61	20.8	F1	0.19	C
PC-09-22	20.8	20.95	F2	0.15	DC
PC-09-22	20.95	21.2	F2	0.25	C
PC-09-22	21.2	46.4	********	25.2	********
PC-09-22	46.4	46.88	G	0.48	C
PC-09-22	46.88	51.5	GJPT	4.62	R
PC-09-22	51.5	52.25	J1	0.75	C
PC-09-22	52.25	94.85	J2P	42.6	R
PC-09-22	94.85	95.1	J2U	0.25	DC
PC-09-22	95.1	95.25	J2LP	0.15	CR
PC-09-22	95.25	95.9	J2LP	0.65	R
PC-09-22	95.9	96.25	J2LP	0.35	CBSH
PC-09-22	96.25	96.65	J2LP	0.4	R
PC-09-22	96.65	97	J2LP	0.35	DC
PC-09-22	97	97.7	J2LP	0.7	R
PC-09-22	97.7	98.62	J2L	0.92	C
PC-09-22	98.62	106.9	J3P	8.28	R
PC-09-22	106.9	109	J3	2.1	C
PC-09-22	109	117	QUINTETTE	8	R
PC-09-23	0	8.7	DRIFT	8.7	DRIFT
PC-09-23	8.7	41.2	********	32.5	********
PC-09-23	41.2	41.4	E3U	0.2	DC
PC-09-23	41.4	41.7		0.3	CR
PC-09-23	41.7	42.02	E3L	0.32	C
PC-09-23	42.02	42.4		0.38	R
PC-09-23	42.4	42.8	E4	0.4	DC
PC-09-23	42.8	43.4		0.6	R
PC-09-23	43.4	44.03	F1	0.63	C
PC-09-23	44.03	44.18	F2	0.15	DC
PC-09-23	44.18	44.88	F2	0.7	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-23	44.88	68.4	********	23.52	********
PC-09-23	68.4	68.88	G	0.48	C
PC-09-23	68.88	73.6	GJPT	4.72	R
PC-09-23	73.6	74.5	J1	0.9	C
PC-09-23	74.5	114.45	J2P	39.95	R
PC-09-23	114.45	114.88	J2U	0.43	C
PC-09-23	114.88	115.15	J2U	0.27	CBSH
PC-09-23	115.15	115.5	J2U	0.35	DC
PC-09-23	115.5	115.95	J2LP	0.45	R
PC-09-23	115.95	116.25	J2LP	0.3	CBSH
PC-09-23	116.25	117.3	J2LP	1.05	R
PC-09-23	117.3	118.05	J2L	0.75	C
PC-09-23	118.05	126.63	J3P	8.58	R
PC-09-23	126.63	128.7	J3	2.07	C
PC-09-23	128.7	140	QUINTETTE	11.3	R
PC-09-24	0	26.95	DRIFT	26.95	DRIFT
PC-09-24	26.95	101.5	********	74.55	********
PC-09-24	101.5	101.9	E3U	0.4	DC
PC-09-24	101.9	102.05	E3L	0.15	DC
PC-09-24	102.05	102.28	E3L	0.23	C
PC-09-24	102.28	102.7		0.42	R
PC-09-24	102.7	103	E4	0.3	CR
PC-09-24	103	103.67		0.67	R
PC-09-24	103.67	104.2	F1	0.53	C
PC-09-24	104.2	104.34	F2	0.14	DC
PC-09-24	104.34	104.44	F2	0.1	C
PC-09-24	104.44	104.6	F2	0.16	DC
PC-09-24	104.6	104.85	F2	0.25	C
PC-09-24	104.85	105.05		0.2	CBSH
PC-09-24	105.05	130.8	********	25.75	********
PC-09-24	130.8	131.2	G	0.4	C
PC-09-24	131.2	131.4	GJPT	0.2	CBSH
PC-09-24	131.4	135.4	GJPT	4	R
PC-09-24	135.4	136.26	J1	0.86	C
PC-09-24	136.26	136.5	J2P	0.24	CR
PC-09-24	136.5	153	J2P	16.5	R
PC-09-25	0	19.6	DRIFT	19.6	DRIFT
PC-09-25	19.6	20.3		0.7	R
PC-09-25	20.3	20.55	G	0.25	DC
PC-09-25	20.55	21.1	GJPT	0.55	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-25	21.1	21.6	GJPT	0.5	CR
PC-09-25	21.6	22.2	J1	0.6	C
PC-09-25	22.2	22.5	J2P	0.3	CR
PC-09-25	22.5	63.35	J2P	40.85	R
PC-09-25	63.35	63.9	J2U	0.55	C
PC-09-25	63.9	66.95	J2LP	3.05	R
PC-09-25	66.95	67.2	J2LP	0.25	CBSH
PC-09-25	67.2	67.5	J2LP	0.3	CR
PC-09-25	67.5	67.7	J2LP	0.2	R
PC-09-25	67.7	68.01	J2L	0.31	DC
PC-09-25	68.01	68.33	J3P	0.32	CBSH
PC-09-25	68.33	73.4	J3P	5.07	R
PC-09-25	73.4	73.56	J3P	0.16	CBSH
PC-09-25	73.56	75.61	J3	2.05	C
PC-09-25	75.61	85	QUINTETTE	9.39	R
PC-09-26	0	6.65	DRIFT	6.65	DRIFT
PC-09-26	6.65	33.3		26.65	R
PC-09-26	33.3	33.7	G	0.4	CR
PC-09-26	33.7	35.4	GJPT	1.7	R
PC-09-26	35.4	35.8	J1	0.4	DC
PC-09-26	35.8	36.8	J1	1	C
PC-09-26	36.8	70.4	J2P	33.6	R
PC-09-26	70.4	70.75	J2P	0.35	CBSH
PC-09-26	70.75	71.8	J2U	1.05	C
PC-09-26	71.8	73.2	J2LP	1.4	R
PC-09-26	73.2	73.55	J2LP	0.35	CBSH
PC-09-26	73.55	74.8	J2LP	1.25	R
PC-09-26	74.8	75.02	J2LP	0.22	CBSH
PC-09-26	75.02	75.4	J2L	0.38	DC
PC-09-26	75.4	75.82	J2L	0.42	R
PC-09-26	75.82	76.39	J2L	0.57	DC
PC-09-26	76.39	82.5	J3P	6.11	R
PC-09-26	82.5	82.72	J3P	0.22	CBSH
PC-09-26	82.72	83	J3	0.28	DC
PC-09-26	83	84.95	J3	1.95	C
PC-09-26	84.95	93	QUINTETTE	8.05	R
PC-09-27	0	0.8	DRIFT	0.8	DRIFT
PC-09-27	0.8	82.85	********	82.05	********
PC-09-27	82.85	83.3	E3U	0.45	C
PC-09-27	83.3	83.51	E3L	0.21	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-27	83.51	83.87		0.36	R
PC-09-27	83.87	84.08	E4	0.21	DC
PC-09-27	84.08	84.71		0.63	R
PC-09-27	84.71	85.35	F1	0.64	C
PC-09-27	85.35	85.85	F2	0.5	C
PC-09-27	85.85	111.3	********	25.45	********
PC-09-27	111.3	111.6	G	0.3	CBSH
PC-09-27	111.6	112.7	GJPT	1.1	R
PC-09-27	112.7	113.05	GJPT	0.35	CBSH
PC-09-27	113.05	113.6	GJPT	0.55	R
PC-09-27	113.6	113.8	GJPT	0.2	CBSH
PC-09-27	113.8	114.1	GJPT	0.3	CR
PC-09-27	114.1	114.28	J1	0.18	DC
PC-09-27	114.28	114.91	J1	0.63	C
PC-09-27	114.91	155.15	J2P	40.24	R
PC-09-27	155.15	155.4	J2P	0.25	CR
PC-09-27	155.4	155.7	J2U	0.3	DC
PC-09-27	155.7	156.18	J2U	0.48	C
PC-09-27	156.18	156.65	J2U	0.47	DC
PC-09-27	156.65	158.05	J2LP	1.4	R
PC-09-27	158.05	158.3	J2LP	0.25	CBSH
PC-09-27	158.3	159.2	J2LP	0.9	R
PC-09-27	159.2	159.51	J2LP	0.31	CR
PC-09-27	159.51	159.95	J2LP	0.44	R
PC-09-27	159.95	160.41	J2LP	0.46	CR
PC-09-27	160.41	160.68	J2L	0.27	DC
PC-09-27	160.68	167.4	J3P	6.72	R
PC-09-27	167.4	169.68	J3	2.28	C
PC-09-27	169.68	178	QUINTETTE	8.32	R
PC-09-28	0	11.7	DRIFT	11.7	DRIFT
PC-09-28	11.7	191.11	********	179.41	********
PC-09-28	191.11	191.4	E3U	0.29	DC
PC-09-28	191.4	191.77		0.37	CR
PC-09-28	191.77	192.08	E3L	0.31	C
PC-09-28	192.08	192.4		0.32	CR
PC-09-28	192.4	192.7	E4	0.3	DC
PC-09-28	192.7	193.36		0.66	R
PC-09-28	193.36	194.04	F1	0.68	C
PC-09-28	194.04	194.52	F2P	0.48	CBSH
PC-09-28	194.52	195.08	F2	0.56	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-28	195.08	224.05	********	28.97	********
PC-09-28	224.05	224.44	G	0.39	CBSH
PC-09-28	224.44	227.1	GJPT	2.66	R
PC-09-28	227.1	227.4	GJPT	0.3	CR
PC-09-28	227.4	227.7	J1	0.3	DC
PC-09-28	227.7	228.43	J1	0.73	C
PC-09-28	228.43	228.68	J1	0.25	DC
PC-09-28	228.68	245.2	J2P	16.52	R
PC-09-28	245.2	245.57	J2P	0.37	CBSH
PC-09-28	245.57	250.22	J2P	4.65	R
PC-09-28	250.22	250.8	J2U	0.58	DC
PC-09-28	250.8	251.35	J2U	0.55	C
PC-09-28	251.35	251.69	J2U	0.34	DC
PC-09-28	251.69	255.41	J2LP	3.72	R
PC-09-28	255.41	255.8	J2L	0.39	DC
PC-09-28	255.8	259.73	J3P	3.93	R
PC-09-28	259.73	260.15	J3P	0.42	CBSH
PC-09-28	260.15	267.37	J3P	7.22	R
PC-09-28	267.37	269.85	J3	2.48	C
PC-09-28	269.85	273.48	QUINTETTE	3.63	R
PC-09-29	0	5.8	DRIFT	5.8	DRIFT
PC-09-29	5.8	140.91	********	135.11	********
PC-09-29	140.91	141.15	E3U	0.24	DC
PC-09-29	141.15	141.5		0.35	CR
PC-09-29	141.5	141.75	E3L	0.25	C
PC-09-29	141.75	142.18		0.43	CBSH
PC-09-29	142.18	142.47	E4	0.29	DC
PC-09-29	142.47	143.15		0.68	R
PC-09-29	143.15	143.73	F1	0.58	C
PC-09-29	143.73	144.19	F2	0.46	CR
PC-09-29	144.19	144.66	F2	0.47	C
PC-09-29	144.66	170.45	********	25.79	********
PC-09-29	170.45	170.83	G	0.38	DC
PC-09-29	170.83	171.85	GJPT	1.02	R
PC-09-29	171.85	172.15	GJPT	0.3	CBSH
PC-09-29	172.15	173.35	GJPT	1.2	R
PC-09-29	173.35	173.4	GJPT	0.05	CBSH
PC-09-29	173.4	173.87	GJPT	0.47	CR
PC-09-29	173.87	174.34	GJPT	0.47	R
PC-09-29	174.34	174.52	GJPT	0.18	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-29	174.52	174.71	GJPT	0.19	CR
PC-09-29	174.71	174.95	J1	0.24	DC
PC-09-29	174.95	175.69	J1	0.74	C
PC-09-29	175.69	177.78	J2P	2.09	R
PC-09-29	177.78	178	J2P	0.22	CBSH
PC-09-29	178	178.44	J2P	0.44	CR
PC-09-29	178.44	202.65	J2P	24.21	R
PC-09-29	202.65	204.2	J2U	1.55	C
PC-09-29	204.2	207.12	J2LP	2.92	R
PC-09-29	207.12	207.51	J2LP	0.39	CBSH
PC-09-29	207.51	207.8	J2LP	0.29	CR
PC-09-29	207.8	208.12	J2LP	0.32	R
PC-09-29	208.12	208.41	J2L	0.29	DC
PC-09-29	208.41	208.8	J3P	0.39	CR
PC-09-29	208.8	208.95	J3P	0.15	CBSH
PC-09-29	208.95	214.78	J3P	5.83	R
PC-09-29	214.78	215.16	J3	0.38	DC
PC-09-29	215.16	217	J3	1.84	C
PC-09-29	217	227.14	QUINTETTE	10.14	R
PC-09-30	0	2.85	DRIFT	2.85	DRIFT
PC-09-30	2.85	165.4	********	162.55	********
PC-09-30	165.4	165.75	E3U	0.35	CR
PC-09-30	165.75	166.15	E3L	0.4	C
PC-09-30	166.15	166.5		0.35	R
PC-09-30	166.5	166.86	E4	0.36	DC
PC-09-30	166.86	167.05		0.19	CBSH
PC-09-30	167.05	167.85		0.8	R
PC-09-30	167.85	169	F1	1.15	C
PC-09-30	169	169.88	F2	0.88	C
PC-09-30	169.88	170.02	F2	0.14	DC
PC-09-30	170.02	170.14		0.12	CR
PC-09-30	170.14	209.92	********	39.78	********
PC-09-30	209.92	210.31	G	0.39	DC
PC-09-30	210.31	211.95	GJPT	1.64	R
PC-09-30	211.95	213	GJPT	1.05	CBSH
PC-09-30	213	215.22	J1	2.22	C
PC-09-30	215.22	215.87	J2P	0.65	R
PC-09-30	215.87	216.24	J2U	0.37	DC
PC-09-30	216.24	216.46	J2LP	0.22	CR
PC-09-30	216.46	216.6	J2LP	0.14	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-30	216.6	216.89	J2LP	0.29	R
PC-09-30	216.89	217.35	J2L	0.46	DC
PC-09-30	217.35	217.84	J2L	0.49	C
PC-09-30	217.84	218.37	J2L	0.53	R
PC-09-30	218.37	218.9	J2L	0.53	C
PC-09-30	218.9	223.5	J3P	4.6	R
PC-09-30	223.5	223.65	J3P	0.15	CBSH
PC-09-30	223.65	228.4	J3P	4.75	R
PC-09-30	228.4	229.7	J3	1.3	C
PC-09-30	229.7	239.33	QUINTETTE	9.63	R
PC-09-31	0	5.6	DRIFT	5.6	DRIFT
PC-09-31	5.6	177.32	********	171.72	********
PC-09-31	177.32	177.8	E3U	0.48	C
PC-09-31	177.8	177.9	E3L	0.1	DC
PC-09-31	177.9	178.15	E3L	0.25	C
PC-09-31	178.15	178.52		0.37	R
PC-09-31	178.52	178.85	E4	0.33	DC
PC-09-31	178.85	179.62		0.77	R
PC-09-31	179.62	180.28	F1	0.66	C
PC-09-31	180.28	180.64	F2	0.36	DC
PC-09-31	180.64	181.08	F2	0.44	C
PC-09-31	181.08	210	********	28.92	********
PC-09-31	210	210.45	G	0.45	CR
PC-09-31	210.45	211.07	GJPT	0.62	R
PC-09-31	211.07	211.3	GJPT	0.23	CBSH
PC-09-31	211.3	211.78	GJPT	0.48	R
PC-09-31	211.78	212.02	GJPT	0.24	CR
PC-09-31	212.02	212.33	J1	0.31	DC
PC-09-31	212.33	213.14	J1	0.81	C
PC-09-31	213.14	213.7	J1	0.56	DC
PC-09-31	213.7	213.92	J2P	0.22	CR
PC-09-31	213.92	242.14	J2P	28.22	R
PC-09-31	242.14	243.2	J2U	1.06	C
PC-09-31	243.2	246.59	J2LP	3.39	R
PC-09-31	246.59	247.01	J2L	0.42	DC
PC-09-31	247.01	247.41	J2L	0.4	R
PC-09-31	247.41	247.95	J2L	0.54	DC
PC-09-31	247.95	253.4	J3P	5.45	R
PC-09-31	253.4	255.56	J3	2.16	C
PC-09-31	255.56	263.72	QUINTETTE	8.16	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-32	0	1.54	DRIFT	1.54	DRIFT
PC-09-32	1.54	107.2	********	105.66	********
PC-09-32	107.2	107.48	E3U	0.28	C
PC-09-32	107.48	107.8		0.32	R
PC-09-32	107.8	108.31	E3L	0.51	C
PC-09-32	108.31	108.7		0.39	R
PC-09-32	108.7	109	E4	0.3	C
PC-09-32	109	109.3		0.3	CR
PC-09-32	109.3	110.39		1.09	R
PC-09-32	110.39	111.39	F1	1	C
PC-09-32	111.39	111.72	F2P	0.33	CR
PC-09-32	111.72	112.21	F2	0.49	C
PC-09-32	112.21	151.95	********	39.74	********
PC-09-32	151.95	152.3	G	0.35	C
PC-09-32	152.3	154	GJPT	1.7	R
PC-09-32	154	154.29	GJPT	0.29	CR
PC-09-32	154.29	154.58	GJPT	0.29	R
PC-09-32	154.58	154.9	GJPT	0.32	CR
PC-09-32	154.9	155.25	GJPT	0.35	R
PC-09-32	155.25	157.51	J1	2.26	C
PC-09-32	157.51	157.65	J1	0.14	DC
PC-09-32	157.65	158.4	J1	0.75	C
PC-09-32	158.4	158.5	J2P	0.1	R
PC-09-32	158.5	158.6	POSSIBLE	0.1	FAULT
PC-09-32	158.6	158.8	J2P	0.2	R
PC-09-32	158.8	159.02	J2P	0.22	CR
PC-09-32	159.02	159.35	J2P	0.33	R
PC-09-32	159.35	160.4	J2U	1.05	C
PC-09-32	160.4	160.64	J2U	0.24	DC
PC-09-32	160.64	164.08	J2LP	3.44	R
PC-09-32	164.08	164.37	J2LP	0.29	CR
PC-09-32	164.37	165.3	J2LP	0.93	R
PC-09-32	165.3	165.7	J2LP	0.4	CBSH
PC-09-32	165.7	166	J2L	0.3	C
PC-09-32	166	166.52	J2L	0.52	R
PC-09-32	166.52	166.85	J2L	0.33	C
PC-09-32	166.85	167.2	J3P	0.35	R
PC-09-32	167.2	167.42	J3P	0.22	CBSH
PC-09-32	167.42	167.7	J3P	0.28	R
PC-09-32	167.7	167.85	PROBABLE	0.15	FAULT

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-32	167.85	168.45	J2LP	0.6	R
PC-09-32	168.45	168.8	J2LP	0.35	CBSH
PC-09-32	168.8	169.08	J2L	0.28	DC
PC-09-32	169.08	169.5	J2L	0.42	R
PC-09-32	169.5	170.03	J2L	0.53	C
PC-09-32	170.03	170.3	J3P	0.27	R
PC-09-32	170.3	170.55	J3P	0.25	CBSH
PC-09-32	170.55	173.3	J3P	2.75	R
PC-09-32	173.3	176.45	J3	3.15	C
PC-09-32	176.45	176.8		0.35	R
PC-09-32	176.8	187.45	QUINTETTE	10.65	R
PC-09-33	0	6.6	DRIFT	6.6	DRIFT
PC-09-33	6.6	194.25	********	187.65	********
PC-09-33	194.25	194.6	E3U	0.35	C
PC-09-33	194.6	194.7	E3L	0.1	DC
PC-09-33	194.7	195.22	E3L	0.52	C
PC-09-33	195.22	195.6		0.38	R
PC-09-33	195.6	196	E4	0.4	DC
PC-09-33	196	197.06		1.06	R
PC-09-33	197.06	197.87	F1	0.81	C
PC-09-33	197.87	198.28		0.41	R
PC-09-33	198.28	198.72	F2	0.44	C
PC-09-33	198.72	229.1	********	30.38	********
PC-09-33	229.1	229.53	G	0.43	C
PC-09-33	229.53	230.72	GJPT	1.19	R
PC-09-33	230.72	231	GJPT	0.28	CBSH
PC-09-33	231	231.88	J1	0.88	DC
PC-09-33	231.88	232.82	J1	0.94	C
PC-09-33	232.82	253.08	J2P	20.26	R
PC-09-33	253.08	253.66	J2P	0.58	CBSH
PC-09-33	253.66	254.06	J2U	0.4	C
PC-09-33	254.06	254.2	J2U	0.14	DC
PC-09-33	254.2	254.3	J2U	0.1	C
PC-09-33	254.3	254.49	J2U	0.19	DC
PC-09-33	254.49	255.45	J2U	0.96	C
PC-09-33	255.45	255.7	J2U	0.25	DC
PC-09-33	255.7	257.04	J2LP	1.34	R
PC-09-33	257.04	257.41	J2LP	0.37	CBSH
PC-09-33	257.41	258.3	J2LP	0.89	R
PC-09-33	258.3	258.45	J2LP	0.15	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-33	258.45	258.75	J2L	0.3	DC
PC-09-33	258.75	258.9	J2L	0.15	C
PC-09-33	258.9	259	J2L	0.1	DC
PC-09-33	259	259.33	J2L	0.33	C
PC-09-33	259.33	259.58	J3P	0.25	CBSH
PC-09-33	259.58	262.22	J3P	2.64	R
PC-09-33	262.22	262.42	J3P	0.2	CR
PC-09-33	262.42	264.55	J3	2.13	C
PC-09-33	264.55	274.32	QUINTETTE	9.77	R
PC-09-34	0	12.1	DRIFT	12.1	DRIFT
PC-09-34	12.1	176.8	********	164.7	********
PC-09-34	176.8	177.15	E3U	0.35	DC
PC-09-34	177.15	177.5		0.35	R
PC-09-34	177.5	177.85	E3L	0.35	C
PC-09-34	177.85	178.3		0.45	R
PC-09-34	178.3	178.75	E4	0.45	CR
PC-09-34	178.75	178.95		0.2	CBSH
PC-09-34	178.95	182.02		3.07	R
PC-09-34	182.02	182.4	F1	0.38	C
PC-09-34	182.4	182.5	F2	0.1	DC
PC-09-34	182.5	183.65	F2	1.15	C
PC-09-34	183.65	214.21	********	30.56	********
PC-09-34	214.21	214.81	G	0.6	C
PC-09-34	214.81	219.88	GJPT	5.07	R
PC-09-34	219.88	220.35	J1	0.47	DC
PC-09-34	220.35	221.61	J1	1.26	C
PC-09-34	221.61	221.82	J1	0.21	DC
PC-09-34	221.82	222.3	J2P	0.48	CR
PC-09-34	222.3	226.52	J2P	4.22	R
PC-09-34	226.52	227.11	J2U	0.59	DC
PC-09-34	227.11	227.5	J2U	0.39	C
PC-09-34	227.5	227.93	J2LP	0.43	CR
PC-09-34	227.93	228.85	J2L	0.92	C
PC-09-34	228.85	229.12	J2L	0.27	DC
PC-09-34	229.12	229.7	J3P	0.58	R
PC-09-34	229.7	230.25	J3P	0.55	CBSH
PC-09-34	230.25	230.8	J3P	0.55	R
PC-09-34	230.8	230.9	ESTABLISHED	0.1	FAULT
PC-09-34	230.9	231.8	J2L	0.9	C
PC-09-34	231.8	236.22	J3P	4.42	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-34	236.22	238.5	J3	2.28	C
PC-09-34	238.5	245	QUINTETTE	6.5	R
PC-09-35	0	42.5	DRIFT	42.5	DRIFT
PC-09-35	42.5	68.75	QUINTETTE	26.25	R
PC-09-35	68.75	90.15	MEDIAL_SILT	21.4	R
PC-09-35	90.15	90.45	MEDIAL_SILT	0.3	ASH
PC-09-35	90.45	91.9	MEDIAL_SILT	1.45	R
PC-09-35	91.9	93.13	TORRENS	1.23	R
PC-09-36	0	5.8	DRIFT	5.8	DRIFT
PC-09-36	5.8	80	********	74.2	********
PC-09-36	80	80.5	E3U	0.5	C
PC-09-36	80.5	80.85		0.35	CR
PC-09-36	80.85	81.2	E3L	0.35	C
PC-09-36	81.2	81.71		0.51	R
PC-09-36	81.71	82.1	E4	0.39	DC
PC-09-36	82.1	82.28		0.18	CBSH
PC-09-36	82.28	83.98		1.7	R
PC-09-36	83.98	84.28	F1	0.3	C
PC-09-36	84.28	84.55	F1	0.27	DC
PC-09-36	84.55	84.83	F2	0.28	DC
PC-09-36	84.83	85.3	F2	0.47	C
PC-09-36	85.3	107.55	********	22.25	********
PC-09-36	107.55	108	G	0.45	C
PC-09-36	108	113.5	GJPT	5.5	R
PC-09-36	113.5	114.06	J1	0.56	C
PC-09-36	114.06	120.98	J2P	6.92	R
PC-09-36	120.98	121.22	J2P	0.24	DC
PC-09-36	121.22	121.52	J2P	0.3	R
PC-09-36	121.52	121.78	J2P	0.26	CR
PC-09-36	121.78	130.22	J2P	8.44	R
PC-09-36	130.22	130.4	J2P	0.18	CBSH
PC-09-36	130.4	130.6	POSSIBLE	0.2	FAULT
PC-09-36	130.6	150.5	J2P	19.9	R
PC-09-36	150.5	151.78	J2U	1.28	C
PC-09-36	151.78	152.3	J2LP	0.52	CR
PC-09-36	152.3	155.02	J2P	2.72	C
PC-09-36	155.02	157.3	J3P	2.28	R
PC-09-36	157.3	157.9	J3	0.6	DC
PC-09-36	157.9	159.92	J3	2.02	C
PC-09-36	159.92	164.59	QUINTETTE	4.67	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-37	0	7.8	DRIFT	7.8	DRIFT
PC-09-37	7.8	12.65		4.85	R
PC-09-37	12.65	13.03	E3U	0.38	C
PC-09-37	13.03	13.4		0.37	CR
PC-09-37	13.4	13.82	E3L	0.42	C
PC-09-37	13.82	14.42		0.6	R
PC-09-37	14.42	14.72	E4	0.3	DC
PC-09-37	14.72	15		0.28	CR
PC-09-37	15	16.32		1.32	R
PC-09-37	16.32	16.71	F1	0.39	C
PC-09-37	16.71	17.03	F1	0.32	C
PC-09-37	17.03	17.25	F1	0.22	DC
PC-09-37	17.25	17.42	F2	0.17	DC
PC-09-37	17.42	17.91	F2	0.49	C
PC-09-37	17.91	44.85	********	26.94	********
PC-09-37	44.85	45.25	G	0.4	C
PC-09-37	45.25	51.28	GJPT	6.03	R
PC-09-37	51.28	52.09	J1	0.81	C
PC-09-37	52.09	99.26	J2P	47.17	R
PC-09-37	99.26	99.91	J2U	0.65	C
PC-09-37	99.91	100.4	J2U	0.49	DC
PC-09-37	100.4	101.2	J2LP	0.8	R
PC-09-37	101.2	102.09	J2L	0.89	C
PC-09-37	102.09	108.15	J3P	6.06	R
PC-09-37	108.15	109.25	J3	1.1	C
PC-09-37	109.25	109.35	J3	0.1	DC
PC-09-37	109.35	110.45	J3	1.1	C
PC-09-37	110.45	118.87	QUINTETTE	8.42	R
PC-09-38	0	35.8	DRIFT	35.8	DRIFT
PC-09-38	35.8	80.5	********	44.7	********
PC-09-38	80.5	80.85	E3U	0.35	C
PC-09-38	80.85	81.2		0.35	CBSH
PC-09-38	81.2	81.72	E3L	0.52	C
PC-09-38	81.72	82.35		0.63	R
PC-09-38	82.35	82.75	E4	0.4	DC
PC-09-38	82.75	83.85		1.1	R
PC-09-38	83.85	84.45	F1	0.6	C
PC-09-38	84.45	84.8	F2	0.35	DC
PC-09-38	84.8	85.15	F2	0.35	C
PC-09-38	85.15	97.9	********	12.75	********

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-38	97.9	98.05		0.15	CBSH
PC-09-38	98.05	106.55		8.5	R
PC-09-38	106.55	106.7	POSSIBLE	0.15	FAULT
PC-09-38	106.7	109.9		3.2	R
PC-09-38	109.9	110.3	G	0.4	C
PC-09-38	110.3	114.8	GJPT	4.5	R
PC-09-38	114.8	115.53	J1	0.73	C
PC-09-38	115.53	159.3	J2P	43.77	R
PC-09-38	159.3	160.72	J2U	1.42	C
PC-09-38	160.72	161.4	J2LP	0.68	R
PC-09-38	161.4	161.68	J2LP	0.28	CBSH
PC-09-38	161.68	162.8	J2LP	1.12	R
PC-09-38	162.8	163.3	J2L	0.5	C
PC-09-38	163.3	163.48	J2L	0.18	DC
PC-09-38	163.48	163.74	J2L	0.26	C
PC-09-38	163.74	168.91	J3P	5.17	R
PC-09-38	168.91	171.47	J3	2.56	C
PC-09-38	171.47	179.83	QUINTETTE	8.36	R
PC-09-UC	0	5.45	DRIFT	5.45	DRIFT
PC-09-UC	5.45	72.1	********	66.65	********
PC-09-UC	72.1	72.35	E3U	0.25	DC
PC-09-UC	72.35	72.65		0.3	R
PC-09-UC	72.65	72.95	E3L	0.3	DC
PC-09-UC	72.95	73.3		0.35	R
PC-09-UC	73.3	73.55	E4	0.25	CR
PC-09-UC	73.55	74.25		0.7	R
PC-09-UC	74.25	74.65	F1	0.4	C
PC-09-UC	74.65	74.85	F2	0.2	DC
PC-09-UC	74.85	75.4		0.55	CR
PC-09-UC	75.4	104.5	********	29.1	********
PC-09-UC	104.5	104.9	G	0.4	DC
PC-09-UC	104.9	108.65	GJPT	3.75	R
PC-09-UC	108.65	109.25	J1	0.6	DC
PC-09-UC	109.25	133.8	J2P	24.55	R
PC-09-UC	133.8	134	J2P	0.2	CBSH
PC-09-UC	134	157.2	J2P	23.2	R
PC-09-UC	157.2	157.85	J2U	0.65	CR
PC-09-UC	157.85	161.3	J2LP	3.45	R
PC-09-UC	161.3	161.4	J2L	0.1	DC
PC-09-UC	161.4	162.15	J2L	0.75	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC-09-UC	162.15	162.55	J3P	0.4	R
PC-09-UC	162.55	162.85	J3P	0.3	CBSH
PC-09-UC	162.85	166.88	J3P	4.03	R
PC-09-UC	166.88	167.7	J3	0.82	C
PC-09-UC	167.7	167.9	J3	0.2	DC
PC-09-UC	167.9	169.01	J3	1.11	C
PC-09-UC	169.01	173.73	QUINTETTE	4.72	R
PC13-01C	0	2.45	DRIFT	2.45	DRIFT
PC13-01C	2.45	4.2		1.75	R
PC13-01C	4.2	4.4		0.2	CR
PC13-01C	4.4	4.6		0.2	R
PC13-01C	4.6	4.85	A	0.25	DC
PC13-01C	4.85	13.5		8.65	R
PC13-01C	13.5	13.67		0.17	CBSH
PC13-01C	13.67	14.71	B	1.04	C
PC13-01C	14.71	14.88		0.17	CR
PC13-01C	14.88	18.1		3.22	R
PC13-01C	18.1	51.75	ARMAND	33.65	R
PC13-01C	51.75	53.2		1.45	R
PC13-01C	53.2	53.8	C	0.6	CR
PC13-01C	53.8	68.65		14.85	R
PC13-01C	68.65	75	FSS	6.35	R
PC13-01C	75	88.85	FT_MT_CG	13.85	R
PC13-01C	88.85	103.8		14.95	R
PC13-01C	103.8	104	E0	0.2	CR
PC13-01C	104	104.18		0.18	CBSH
PC13-01C	104.18	104.8		0.62	R
PC13-01C	104.8	105.3	E1	0.5	CR
PC13-01C	105.3	106.2		0.9	R
PC13-01C	106.2	106.4		0.2	CBSH
PC13-01C	106.4	106.5	E2U	0.1	CR
PC13-01C	106.5	106.65		0.15	CBSH
PC13-01C	106.65	106.8		0.15	R
PC13-01C	106.8	107.35	E2L	0.55	C
PC13-01C	107.35	107.87		0.52	R
PC13-01C	107.87	108.13		0.26	CBSH
PC13-01C	108.13	108.62		0.49	R
PC13-01C	108.62	108.8		0.18	CR
PC13-01C	108.8	109.1	E3U	0.3	C
PC13-01C	109.1	109.18		0.08	CR

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC13-01C	109.18	109.66		0.48	R
PC13-01C	109.66	109.85	E3L	0.19	CR
PC13-01C	109.85	110		0.15	CBSH
PC13-01C	110	110.45		0.45	R
PC13-01C	110.45	110.53		0.08	CBSH
PC13-01C	110.53	111.76		1.23	R
PC13-01C	111.76	112.12	E4	0.36	CBSH
PC13-01C	112.12	112.7		0.58	R
PC13-01C	112.7	112.95		0.25	CBSH
PC13-01C	112.95	118.95		6	R
PC13-01C	118.95	119.22	F1	0.27	C
PC13-01C	119.22	119.35	F1	0.13	DC
PC13-01C	119.35	120	F1	0.65	C
PC13-01C	120	120.1	F2	0.1	DC
PC13-01C	120.1	120.41	F2	0.31	C
PC13-01C	120.41	120.5		0.09	CBSH
PC13-01C	120.5	129.5	WV_CG	9	R
PC13-01C	129.5	135.55	WSS	6.05	R
PC13-01C	135.55	135.9		0.35	R
PC13-01C	135.9	136.4	G1	0.5	CR
PC13-01C	136.4	136.8		0.4	CBSH
PC13-01C	136.8	151.2		14.4	R
PC13-01C	151.2	151.8	G	0.6	C
PC13-01C	151.8	152.1	G	0.3	DC
PC13-01C	152.1	152.3	GJPT	0.2	CBSH
PC13-01C	152.3	159.6	GJPT	7.3	R
PC13-01C	159.6	159.7	GJPT	0.1	CBSH
PC13-01C	159.7	161	J1	1.3	C
PC13-01C	161	161.1	J1	0.1	DC
PC13-01C	161.1	161.29	J2P	0.19	R
PC13-01C	161.29	161.7	J2U	0.41	C
PC13-01C	161.7	161.88	J2U	0.18	DC
PC13-01C	161.88	163.4	J2U	1.52	C
PC13-01C	163.4	163.45	J2U	0.05	DC
PC13-01C	163.45	163.5	J2LP	0.05	CR
PC13-01C	163.5	163.75	J2L	0.25	DC
PC13-01C	163.75	164.92	J2L	1.17	C
PC13-01C	164.92	165.1	J3P	0.18	CBSH
PC13-01C	165.1	166.45	J3P	1.35	R
PC13-01C	166.45	166.65	J3P	0.2	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC13-01C	166.65	168	J3	1.35	C
PC13-01C	168	171.5	QUINTETTE	3.5	R
PC13-02C	0	0.8	DRIFT	0.8	DRIFT
PC13-02C	0.8	10.8	FT_MT_CG	10	R
PC13-02C	10.8	11.45	D	0.65	CBSH
PC13-02C	11.45	15.15		3.7	R
PC13-02C	15.15	15.38		0.23	CBSH
PC13-02C	15.38	15.48	E1	0.1	CR
PC13-02C	15.48	15.92		0.44	CBSH
PC13-02C	15.92	16.5		0.58	R
PC13-02C	16.5	16.72		0.22	CBSH
PC13-02C	16.72	16.8	E2U	0.08	CR
PC13-02C	16.8	16.85	E2U	0.05	R
PC13-02C	16.85	16.9	E2U	0.05	CR
PC13-02C	16.9	16.98	E2LP	0.08	R
PC13-02C	16.98	17.1	E2L	0.12	C
PC13-02C	17.1	17.19	E2L	0.09	DC
PC13-02C	17.19	17.49	E2L	0.3	C
PC13-02C	17.49	17.62	E3P	0.13	CBSH
PC13-02C	17.62	21.19	E3P	3.57	R
PC13-02C	21.19	21.4	E3P	0.21	CBSH
PC13-02C	21.4	21.6	E3U	0.2	DC
PC13-02C	21.6	21.88		0.28	CBSH
PC13-02C	21.88	22.04		0.16	R
PC13-02C	22.04	22.16	E3L	0.12	CBSH
PC13-02C	22.16	22.27	E3L	0.11	R
PC13-02C	22.27	22.42	E3L	0.15	CBSH
PC13-02C	22.42	25.4		2.98	R
PC13-02C	25.4	26.1	E4	0.7	CBSH
PC13-02C	26.1	36.53		10.43	R
PC13-02C	36.53	36.74		0.21	CBSH
PC13-02C	36.74	36.98	F1	0.24	C
PC13-02C	36.98	37.09	F1	0.11	CR
PC13-02C	37.09	37.23	F1	0.14	DC
PC13-02C	37.23	37.35	F1	0.12	CR
PC13-02C	37.35	37.49	F1	0.14	DC
PC13-02C	37.49	37.6	F2P	0.11	CR
PC13-02C	37.6	37.78	F2P	0.18	CBSH
PC13-02C	37.78	37.96	F2P	0.18	R
PC13-02C	37.96	38.25	F2P	0.29	CR

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC13-02C	38.25	38.52	F2	0.27	C
PC13-02C	38.52	38.6	F2	0.08	DC
PC13-02C	38.6	38.8		0.2	CBSH
PC13-02C	38.8	49.05	WV_CG	10.25	R
PC13-02C	49.05	53.48	WSS	4.43	R
PC13-02C	53.48	53.7		0.22	CBSH
PC13-02C	53.7	54.09	G1	0.39	DC
PC13-02C	54.09	54.23	G1	0.14	CR
PC13-02C	54.23	54.36	G1	0.13	DC
PC13-02C	54.36	54.62		0.26	CBSH
PC13-02C	54.62	59.2		4.58	R
PC13-02C	59.2	59.6		0.4	CBSH
PC13-02C	59.6	71.65		12.05	R
PC13-02C	71.65	71.75		0.1	CBSH
PC13-02C	71.75	71.91		0.16	CR
PC13-02C	71.91	72.67	G	0.76	C
PC13-02C	72.67	72.8	GJPT	0.13	CR
PC13-02C	72.8	72.92	GJPT	0.12	CBSH
PC13-02C	72.92	78.6	GJPT	5.68	R
PC13-02C	78.6	78.8	GJPT	0.2	CBSH
PC13-02C	78.8	79.95	J1	1.15	C
PC13-02C	79.95	80.3	J2U	0.35	DC
PC13-02C	80.3	81.62	J2U	1.32	C
PC13-02C	81.62	81.7	J2U	0.08	DC
PC13-02C	81.7	82.62	J2U	0.92	C
PC13-02C	82.62	83.05	J2L	0.43	DC
PC13-02C	83.05	84.06	J2L	1.01	C
PC13-02C	84.06	84.29	J3P	0.23	CBSH
PC13-02C	84.29	85.54	J3P	1.25	R
PC13-02C	85.54	85.74	J3P	0.2	CBSH
PC13-02C	85.74	88.53	J3	2.79	C
PC13-02C	88.53	88.75		0.22	CBSH
PC13-02C	88.75	110.33	QUINTETTE	21.58	R
PC13-03C	0	3.33	DRIFT	3.33	DRIFT
PC13-03C	3.33	7.9	HULCROSS	4.57	R
PC13-03C	7.9	8.1	HULCROSS	0.2	ASH_12
PC13-03C	8.1	13.9	HULCROSS	5.8	R
PC13-03C	13.9	14.1	HULCROSS	0.2	ASH_11
PC13-03C	14.1	29.1	HULCROSS	15	R
PC13-03C	29.1	29.15	HULCROSS	0.05	ASH_09

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC13-03C	29.15	36.1	HULCROSS	6.95	R
PC13-03C	36.1	36.2	HULCROSS	0.1	ASH_08
PC13-03C	36.2	41.65	HULCROSS	5.45	R
PC13-03C	41.65	41.651	HULCROSS	0.001	ASH_05
PC13-03C	41.651	43.05	HULCROSS	1.399	R
PC13-03C	43.05	48.64	HULCROSS	5.59	ASH_04
PC13-03C	48.64	48.97	HULCROSS	0.33	FAULT
PC13-03C	48.97	53.38	HULCROSS	4.41	R
PC13-03C	53.38	53.57	BASAL_HC	0.19	R
PC13-03C	53.57	53.79	HULCROSS	0.22	FAULT
PC13-03C	53.79	54.55	BASAL_HC	0.76	R
PC13-03C	54.55	66.15		11.6	R
PC13-03C	66.15	66.32	A1	0.17	DC
PC13-03C	66.32	66.52	A1	0.2	C
PC13-03C	66.52	66.6	A1	0.08	DC
PC13-03C	66.6	66.8		0.2	CBSH
PC13-03C	66.8	69.7		2.9	R
PC13-03C	69.7	70.05		0.35	CBSH
PC13-03C	70.05	76.75		6.7	R
PC13-03C	76.75	77.15		0.4	CBSH
PC13-03C	77.15	78		0.85	R
PC13-03C	78	78.1		0.1	CBSH
PC13-03C	78.1	78.25	A	0.15	C
PC13-03C	78.25	78.45		0.2	CBSH
PC13-03C	78.45	94.25		15.8	R
PC13-03C	94.25	94.46		0.21	CBSH
PC13-03C	94.46	94.72	B	0.26	C
PC13-03C	94.72	94.8	B	0.08	DC
PC13-03C	94.8	95.04	B	0.24	C
PC13-03C	95.04	95.2		0.16	CBSH
PC13-03C	95.2	100.9		5.7	R
PC13-04C	0	21.9		21.9	R
PC13-04C	21.9	22.02	HULCROSS	0.12	FAULT
PC13-04C	22.02	22.85	HULCROSS	0.83	R
PC13-04C	22.85	23.22	HULCROSS	0.37	FAULT
PC13-04C	23.22	31.2	HULCROSS	7.98	R
PC13-04C	31.2	31.4	HULCROSS	0.2	ASH_12
PC13-04C	31.4	39.55	HULCROSS	8.15	R
PC13-04C	39.55	39.7	HULCROSS	0.15	ASH_11
PC13-04C	39.7	54.3	HULCROSS	14.6	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC13-04C	54.3	54.301	HULCROSS	0.001	ASH_09
PC13-04C	54.301	61.6	HULCROSS	7.299	R
PC13-04C	61.6	61.85	HULCROSS	0.25	ASH_08
PC13-04C	61.85	67.4	HULCROSS	5.55	R
PC13-04C	67.4	67.55	HULCROSS	0.15	ASH_05
PC13-04C	67.55	68.7	HULCROSS	1.15	R
PC13-04C	68.7	69.1	HULCROSS	0.4	ASH_04
PC13-04C	69.1	77.15	HULCROSS	8.05	R
PC13-04C	77.15	78	BASAL_HC	0.85	R
PC13-04C	78	78.22		0.22	R
PC13-04C	78.22	78.55	A1	0.33	CBSH
PC13-04C	78.55	88.95		10.4	R
PC13-04C	88.95	89.05		0.1	FAULT
PC13-04C	89.05	89.4	A1	0.35	DC
PC13-04C	89.4	89.68	A1	0.28	C
PC13-04C	89.68	90.09	A1	0.41	DC
PC13-04C	90.09	90.22		0.13	CR
PC13-04C	90.22	96.7		6.48	R
PC13-04C	96.7	97.1		0.4	CBSH
PC13-04C	97.1	99.35		2.25	R
PC13-04C	99.35	99.7	A	0.35	CBSH
PC13-04C	99.7	100		0.3	ASH
PC13-04C	100	100.35		0.35	R
PC13-04C	100.35	100.7		0.35	CBSH
PC13-04C	100.7	102.45		1.75	R
PC13-04C	102.45	102.7		0.25	CBSH
PC13-04C	102.7	111.75		9.05	R
PC13-04C	111.75	112		0.25	CBSH
PC13-04C	112	112.9	B	0.9	C
PC13-04C	112.9	116.95		4.05	R
PC13-04C	116.95	121.63	ARMAND	4.68	R
PC13-05C	0	2.8	DRIFT	2.8	DRIFT
PC13-05C	2.8	8.4	HULCROSS	5.6	R
PC13-05C	8.4	8.6	HULCROSS	0.2	ASH_08
PC13-05C	8.6	12.5	HULCROSS	3.9	R
PC13-05C	12.5	12.6	HULCROSS	0.1	ASH_05
PC13-05C	12.6	13.95	HULCROSS	1.35	R
PC13-05C	13.95	14.05	HULCROSS	0.1	ASH_04
PC13-05C	14.05	18.58	HULCROSS	4.53	R
PC13-05C	18.58	19.2	BASAL_HC	0.62	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC13-05C	19.2	24.68		5.48	R
PC13-05C	24.68	24.89		0.21	CBSH
PC13-05C	24.89	25		0.11	CR
PC13-05C	25	25.2	A1	0.2	DC
PC13-05C	25.2	25.4		0.2	CBSH
PC13-05C	25.4	36.35		10.95	R
PC13-05C	36.35	36.5		0.15	CBSH
PC13-05C	36.5	37.6		1.1	R
PC13-05C	37.6	38.05	A	0.45	CR
PC13-05C	38.05	38.5		0.45	R
PC13-05C	38.5	38.7		0.2	CBSH
PC13-05C	38.7	50.22		11.52	R
PC13-05C	50.22	50.45		0.23	CBSH
PC13-05C	50.45	50.5	B	0.05	C
PC13-05C	50.5	50.57	B	0.07	DC
PC13-05C	50.57	51.11	B	0.54	C
PC13-05C	51.11	51.2		0.09	CR
PC13-05C	51.2	51.3		0.1	CBSH
PC13-05C	51.3	51.4		0.1	CR
PC13-05C	51.4	54		2.6	R
PC13-05C	54	91.15	ARMAND	37.15	R
PC13-05C	91.15	92.55		1.4	R
PC13-05C	92.55	92.7		0.15	CR
PC13-05C	92.7	92.82		0.12	CBSH
PC13-05C	92.82	93.01	C	0.19	DC
PC13-05C	93.01	93.3		0.29	CBSH
PC13-05C	93.3	106.2		12.9	R
PC13-05C	106.2	106.45		0.25	ASH
PC13-05C	106.45	113.8		7.35	R
PC13-05C	113.8	116	FSS	2.2	R
PC13-05C	116	124.4	FT_MT_CG	8.4	R
PC13-05C	124.4	125.5		1.1	R
PC13-05C	125.5	125.9	D	0.4	CBSH
PC13-05C	125.9	130.75		4.85	R
PC13-05C	130.75	130.95		0.2	CBSH
PC13-05C	130.95	131.15	E0	0.2	C
PC13-05C	131.15	131.45		0.3	CBSH
PC13-05C	131.45	132.1		0.65	R
PC13-05C	132.1	132.35		0.25	CR
PC13-05C	132.35	132.6	E1	0.25	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC13-05C	132.6	132.85		0.25	CBSH
PC13-05C	132.85	133.54		0.69	R
PC13-05C	133.54	133.66	E2U	0.12	CR
PC13-05C	133.66	133.74	E2U	0.08	R
PC13-05C	133.74	133.96	E2U	0.22	CR
PC13-05C	133.96	134.15	E2L	0.19	DC
PC13-05C	134.15	134.47	E2L	0.32	C
PC13-05C	134.47	134.68	E3P	0.21	CBSH
PC13-05C	134.68	137.92	E3P	3.24	R
PC13-05C	137.92	138	E3P	0.08	CR
PC13-05C	138	138.09	E3P	0.09	CBSH
PC13-05C	138.09	138.2	E3P	0.11	CR
PC13-05C	138.2	138.3	E3U	0.1	C
PC13-05C	138.3	138.95		0.65	CBSH
PC13-05C	138.95	139.35		0.4	R
PC13-05C	139.35	139.5	E3L	0.15	CBSH
PC13-05C	139.5	140.62		1.12	R
PC13-05C	140.62	141	E4	0.38	CBSH
PC13-05C	141	150.2		9.2	R
PC13-05C	150.2	150.38	F1	0.18	DC
PC13-05C	150.38	150.49	F1	0.11	C
PC13-05C	150.49	151.09	F1	0.6	DC
PC13-05C	151.09	151.19	F1	0.1	C
PC13-05C	151.19	151.52	F2	0.33	DC
PC13-05C	151.52	151.85	F2	0.33	C
PC13-05C	151.85	152.01		0.16	CBSH
PC13-05C	152.01	163.1	WV_CG	11.09	R
PC13-05C	163.1	166.75	WSS	3.65	R
PC13-05C	166.75	166.78		0.03	R
PC13-05C	166.78	167		0.22	CBSH
PC13-05C	167	167.11	G1	0.11	C
PC13-05C	167.11	167.3	G1	0.19	DC
PC13-05C	167.3	167.47		0.17	CBSH
PC13-05C	167.47	167.6		0.13	CR
PC13-05C	167.6	180.41		12.81	R
PC13-AR01	0	7.3	DRIFT	7.3	DRIFT
PC13-AR01	7.3	8.35		1.05	R
PC13-AR01	8.35	8.8	A	0.45	CR
PC13-AR01	8.8	20.1		11.3	R
PC13-AR01	20.1	20.25		0.15	CBSH

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC13-AR01	20.25	21.21	B	0.96	C
PC13-AR01	21.21	21.47		0.26	CBSH
PC13-AR01	21.47	23.6		2.13	R
PC13-AR01	23.6	56.7	ARMAND	33.1	R
PC13-AR01	56.7	58.41		1.71	R
PC13-AR01	58.41	58.59		0.18	CR
PC13-AR01	58.59	58.68		0.09	CBSH
PC13-AR01	58.68	58.86	C	0.18	C
PC13-AR01	58.86	59.15		0.29	CBSH
PC13-AR01	59.15	70.2		11.05	R
PC13-AR01	70.2	101.05	FT_MT_CG	30.85	R
PC13-AR01	101.05	102.11		1.06	R
PC13-AR01	102.11	102.26		0.15	CR
PC13-AR01	102.26	102.35	E0	0.09	C
PC13-AR01	102.35	102.61		0.26	CR
PC13-AR01	102.61	103.55		0.94	R
PC13-AR01	103.55	103.8		0.25	CBSH
PC13-AR01	103.8	103.95	E1	0.15	CR
PC13-AR01	103.95	104.12		0.17	CBSH
PC13-AR01	104.12	104.55		0.43	R
PC13-AR01	104.55	104.92		0.37	CBSH
PC13-AR01	104.92	105.06	E2U	0.14	CR
PC13-AR01	105.06	105.17	E2LP	0.11	R
PC13-AR01	105.17	105.28	E2L	0.11	C
PC13-AR01	105.28	105.38	E2L	0.1	DC
PC13-AR01	105.38	105.62	E2L	0.24	C
PC13-AR01	105.62	105.85	E3P	0.23	CBSH
PC13-AR01	105.85	108.53	E3P	2.68	R
PC13-AR01	108.53	108.8	E3P	0.27	CR
PC13-AR01	108.8	108.9	E3U	0.1	DC
PC13-AR01	108.9	109.07		0.17	CR
PC13-AR01	109.07	109.49		0.42	R
PC13-AR01	109.49	109.59		0.1	CBSH
PC13-AR01	109.59	109.68	E3L	0.09	CR
PC13-AR01	109.68	109.8		0.12	CBSH
PC13-AR01	109.8	111.46		1.66	R
PC13-AR01	111.46	111.75	E4	0.29	CBSH
PC13-AR01	111.75	120.49		8.74	R
PC13-AR01	120.49	120.7		0.21	CBSH
PC13-AR01	120.7	120.82	F1	0.12	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC13-AR01	120.82	120.94	F1	0.12	CR
PC13-AR01	120.94	121.1	F1	0.16	C
PC13-AR01	121.1	121.23	F1	0.13	DC
PC13-AR01	121.23	121.45	F1	0.22	C
PC13-AR01	121.45	121.6	F1	0.15	DC
PC13-AR01	121.6	121.69	F1	0.09	C
PC13-AR01	121.69	121.78	F2P	0.09	CR
PC13-AR01	121.78	121.9	F2	0.12	DC
PC13-AR01	121.9	122.17	F2	0.27	C
PC13-AR01	122.17	122.25		0.08	CBSH
PC13-AR01	122.25	122.4		0.15	CR
PC13-AR01	122.4	127.8	WV_CG	5.4	R
PC13-AR01	127.8	128.08	WV_CG	0.28	FAULT
PC13-AR01	128.08	133.55	WV_CG	5.47	R
PC13-AR01	133.55	137.05	WSS	3.5	R
PC13-AR01	137.05	137.27		0.22	CBSH
PC13-AR01	137.27	137.4		0.13	CR
PC13-AR01	137.4	137.51	G1	0.11	C
PC13-AR01	137.51	137.68		0.17	CR
PC13-AR01	137.68	143.4		5.72	R
PC13-AR01	143.4	143.6		0.2	CBSH
PC13-AR01	143.6	143.72		0.12	R
PC13-AR01	143.72	143.94		0.22	DC
PC13-AR01	143.94	144.32		0.38	CBSH
PC13-AR01	144.32	144.55		0.23	C
PC13-AR01	144.55	144.8		0.25	CBSH
PC13-AR01	144.8	145.62		0.82	R
PC13-AR01	145.62	145.75		0.13	CR
PC13-AR01	145.75	154.25		8.5	R
PC13-AR01	154.25	154.46		0.21	CBSH
PC13-AR01	154.46	155.15	G	0.69	C
PC13-AR01	155.15	155.29	GJPT	0.14	CBSH
PC13-AR01	155.29	162.12	GJPT	6.83	R
PC13-AR01	162.12	162.3	J1	0.18	DC
PC13-AR01	162.3	163.5	J1	1.2	C
PC13-AR01	163.5	163.6	J2U	0.1	DC
PC13-AR01	163.6	163.8	J2U	0.2	C
PC13-AR01	163.8	163.86	J2U	0.06	DC
PC13-AR01	163.86	164.77	J2U	0.91	C
PC13-AR01	164.77	164.87	J2U	0.1	CR

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC13-AR01	164.87	165.02	J2U	0.15	C
PC13-AR01	165.02	165.15	J2U	0.13	DC
PC13-AR01	165.15	165.92	J2U	0.77	C
PC13-AR01	165.92	166.38	J2L	0.46	DC
PC13-AR01	166.38	167.32	J2L	0.94	C
PC13-AR01	167.32	167.58	J3P	0.26	CBSH
PC13-AR01	167.58	168.79	J3P	1.21	R
PC13-AR01	168.79	169.02	J3P	0.23	CBSH
PC13-AR01	169.02	170.99	J3	1.97	C
PC13-AR01	170.99	171.2		0.21	CBSH
PC13-AR01	171.2	172.93	QUINTETTE	1.73	R
PC13-AR02	0	18.5	DRIFT	18.5	DRIFT
PC13-AR02	18.5	21		2.5	R
PC13-AR02	21	21.55	B	0.55	DC
PC13-AR02	21.55	22.1	B	0.55	C
PC13-AR02	22.1	24.7		2.6	R
PC13-AR02	24.7	60.8	ARMAND	36.1	R
PC13-AR02	60.8	61.86		1.06	R
PC13-AR02	61.86	62.06		0.2	CR
PC13-AR02	62.06	62.15		0.09	CBSH
PC13-AR02	62.15	62.29		0.14	CR
PC13-AR02	62.29	62.4		0.11	CBSH
PC13-AR02	62.4	62.55	C	0.15	DC
PC13-AR02	62.55	62.75		0.2	CBSH
PC13-AR02	62.75	79		16.25	R
PC13-AR02	79	83.55	FSS	4.55	R
PC13-AR02	83.55	94.6	FT_MT_CG	11.05	R
PC13-AR02	94.6	106.4		11.8	R
PC13-AR02	106.4	106.5	E0	0.1	CBSH
PC13-AR02	106.5	106.62	E0	0.12	R
PC13-AR02	106.62	106.73	E0	0.11	CBSH
PC13-AR02	106.73	107.15		0.42	R
PC13-AR02	107.15	107.4		0.25	CBSH
PC13-AR02	107.4	107.65	E1	0.25	CR
PC13-AR02	107.65	108.05		0.4	CBSH
PC13-AR02	108.05	108.85		0.8	R
PC13-AR02	108.85	109.05	E2U	0.2	CBSH
PC13-AR02	109.05	109.1	E2LP	0.05	R
PC13-AR02	109.1	109.25	E2LP	0.15	CR
PC13-AR02	109.25	109.4	E2L	0.15	DC

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC13-AR02	109.4	109.68	E2L	0.28	C
PC13-AR02	109.68	109.88	E3P	0.2	CBSH
PC13-AR02	109.88	110.79	E3P	0.91	R
PC13-AR02	110.79	111.1	E3P	0.31	CBSH
PC13-AR02	111.1	111.88	E3P	0.78	R
PC13-AR02	111.88	112.01	E3P	0.13	CBSH
PC13-AR02	112.01	112.08	E3P	0.07	CR
PC13-AR02	112.08	112.25	E3U	0.17	DC
PC13-AR02	112.25	112.48		0.23	CR
PC13-AR02	112.48	112.65		0.17	CBSH
PC13-AR02	112.65	112.82		0.17	CR
PC13-AR02	112.82	113.02	E3L	0.2	DC
PC13-AR02	113.02	113.24		0.22	CBSH
PC13-AR02	113.24	114.15		0.91	R
PC13-AR02	114.15	114.3	E4	0.15	CBSH
PC13-AR02	114.3	122.07		7.77	R
PC13-AR02	122.07	122.3		0.23	CBSH
PC13-AR02	122.3	122.5	F1	0.2	C
PC13-AR02	122.5	122.61	F1	0.11	DC
PC13-AR02	122.61	122.8	F1	0.19	C
PC13-AR02	122.8	122.87	F1	0.07	DC
PC13-AR02	122.87	123	F1	0.13	C
PC13-AR02	123	123.1	F2	0.1	DC
PC13-AR02	123.1	123.25	F2	0.15	C
PC13-AR02	123.25	123.36	F2	0.11	DC
PC13-AR02	123.36	123.63	F2	0.27	C
PC13-AR02	123.63	123.88		0.25	CBSH
PC13-AR02	123.88	135.3	WV_CG	11.42	R
PC13-AR02	135.3	139.11	WSS	3.81	R
PC13-AR02	139.11	139.26		0.15	R
PC13-AR02	139.26	139.4		0.14	CBSH
PC13-AR02	139.4	139.5		0.1	CR
PC13-AR02	139.5	139.63	G1	0.13	DC
PC13-AR02	139.63	139.72	G1	0.09	CR
PC13-AR02	139.72	139.8	G1	0.08	DC
PC13-AR02	139.8	139.91		0.11	CR
PC13-AR02	139.91	140.15		0.24	CBSH
PC13-AR02	140.15	148.37		8.22	R
PC13-AR03	0	9.15	DRIFT	9.15	DRIFT
PC13-AR03	9.15	12.3		3.15	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC13-AR03	12.3	12.5	A1	0.2	CR
PC13-AR03	12.5	12.75		0.25	FAULT
PC13-AR03	12.75	18.25		5.5	R
PC13-AR03	18.25	18.8	A	0.55	C
PC13-AR03	18.8	30.45		11.65	R
PC13-AR03	30.45	30.58		0.13	CBSH
PC13-AR03	30.58	31.27	B	0.69	C
PC13-AR03	31.27	31.32	B	0.05	DC
PC13-AR03	31.32	31.55		0.23	CBSH
PC13-AR03	31.55	35.45		3.9	R
PC13-AR03	35.45	70	ARMAND	34.55	R
PC13-AR03	70	71.56		1.56	R
PC13-AR03	71.56	72.15	C	0.59	CR
PC13-AR03	72.15	72.35		0.2	CBSH
PC13-AR03	72.35	77.4		5.05	R
PC13-AR03	77.4	77.8		0.4	CBSH
PC13-AR03	77.8	84.5		6.7	R
PC13-AR03	84.5	84.75		0.25	ASH
PC13-AR03	84.75	87.1		2.35	R
PC13-AR03	87.1	89.35	FSS	2.25	R
PC13-AR03	89.35	100.4	FT_MT_CG	11.05	R
PC13-AR03	100.4	112.96		12.56	R
PC13-AR03	112.96	113.12		0.16	CBSH
PC13-AR03	113.12	113.21		0.09	R
PC13-AR03	113.21	113.34	E0	0.13	CR
PC13-AR03	113.34	113.48		0.14	R
PC13-AR03	113.48	113.57		0.09	CBSH
PC13-AR03	113.57	114.02		0.45	R
PC13-AR03	114.02	114.24		0.22	CBSH
PC13-AR03	114.24	114.34	E1	0.1	DC
PC13-AR03	114.34	114.57		0.23	CBSH
PC13-AR03	114.57	115.29		0.72	R
PC13-AR03	115.29	115.46		0.17	CBSH
PC13-AR03	115.46	115.55		0.09	R
PC13-AR03	115.55	115.71	E2U	0.16	CR
PC13-AR03	115.71	115.79	E2LP	0.08	R
PC13-AR03	115.79	115.98	E2L	0.19	DC
PC13-AR03	115.98	116.25	E2L	0.27	C
PC13-AR03	116.25	116.4	E3P	0.15	CBSH
PC13-AR03	116.4	118.52	E3P	2.12	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC13-AR03	118.52	118.58	E3P	0.06	CBSH
PC13-AR03	118.58	118.69	E3P	0.11	CR
PC13-AR03	118.69	118.82	E3U	0.13	DC
PC13-AR03	118.82	119		0.18	CBSH
PC13-AR03	119	119.41		0.41	R
PC13-AR03	119.41	119.58		0.17	CBSH
PC13-AR03	119.58	119.86		0.28	R
PC13-AR03	119.86	120.02	E3L	0.16	CR
PC13-AR03	120.02	121.12		1.1	R
PC13-AR03	121.12	121.26	E4	0.14	CR
PC13-AR03	121.26	129.5		8.24	R
PC13-AR03	129.5	130.11		0.61	CBSH
PC13-AR03	130.11	130.23	F1	0.12	C
PC13-AR03	130.23	130.4	F1	0.17	DC
PC13-AR03	130.4	130.5	F1	0.1	C
PC13-AR03	130.5	130.65	F1	0.15	DC
PC13-AR03	130.65	130.78	F1	0.13	C
PC13-AR03	130.78	130.85	F2	0.07	DC
PC13-AR03	130.85	131.02	F2	0.17	C
PC13-AR03	131.02	131.11	F2	0.09	DC
PC13-AR03	131.11	131.38	F2	0.27	C
PC13-AR03	131.38	131.61		0.23	CBSH
PC13-AR03	131.61	138.4	WV_CG	6.79	R
PC13-AR03	138.4	144.35	WSS	5.95	R
PC13-AR03	144.35	144.5		0.15	R
PC13-AR03	144.5	145	G1	0.5	DC
PC13-AR03	145	145.2		0.2	CBSH
PC13-AR03	145.2	160.47		15.27	R
PC13-AR03	160.47	160.71		0.24	CBSH
PC13-AR03	160.71	161.48	G	0.77	C
PC13-AR03	161.48	161.69	GJPT	0.21	CBSH
PC13-AR03	161.69	167.63	GJPT	5.94	R
PC13-AR03	167.63	167.8	GJPT	0.17	CR
PC13-AR03	167.8	168.96	J1	1.16	C
PC13-AR03	168.96	169.41	J2U	0.45	DC
PC13-AR03	169.41	169.47	J2U	0.06	C
PC13-AR03	169.47	169.6	J2U	0.13	DC
PC13-AR03	169.6	169.78	J2U	0.18	C
PC13-AR03	169.78	169.88	J2U	0.1	DC
PC13-AR03	169.88	170.1	J2U	0.22	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC13-AR03	170.1	170.31	J2U	0.21	DC
PC13-AR03	170.31	170.5	J2U	0.19	C
PC13-AR03	170.5	170.6	J2U	0.1	DC
PC13-AR03	170.6	171.37	J2U	0.77	C
PC13-AR03	171.37	171.55	J2U	0.18	DC
PC13-AR03	171.55	171.7	J2LP	0.15	CBSH
PC13-AR03	171.7	171.98	J2LP	0.28	CR
PC13-AR03	171.98	172.96	J2L	0.98	C
PC13-AR03	172.96	173.22	J3P	0.26	CBSH
PC13-AR03	173.22	174.75	J3P	1.53	R
PC13-AR03	174.75	174.95	J3P	0.2	CR
PC13-AR03	174.95	177	J3	2.05	C
PC13-AR03	177	177.2		0.2	CBSH
PC13-AR03	177.2	179.82	QUINTETTE	2.62	R
PC13-AR04	0	56.9	DRIFT	56.9	DRIFT
PC13-AR04	56.9	61		4.1	R
PC13-AR04	61	61.3	B	0.3	DC
PC13-AR04	61.3	61.75	B	0.45	C
PC13-AR04	61.75	66		4.25	R
PC13-AR04	66	66.35		0.35	CBSH
PC13-AR04	66.35	67.55		1.2	R
PC13-AR04	67.55	99.2	ARMAND	31.65	R
PC13-AR04	99.2	99.5	C	0.3	CR
PC13-AR04	99.5	99.75		0.25	CBSH
PC13-AR04	99.75	109.05		9.3	R
PC13-AR04	109.05	120.55	FSS	11.5	R
PC13-AR04	120.55	136.92	FT_MT_CG	16.37	R
PC13-AR04	136.92	140.8		3.88	R
PC13-AR04	140.8	140.95	E0	0.15	CBSH
PC13-AR04	140.95	141.06	E0	0.11	R
PC13-AR04	141.06	141.2	E0	0.14	CBSH
PC13-AR04	141.2	141.35		0.15	R
PC13-AR04	141.35	141.47	E1	0.12	CBSH
PC13-AR04	141.47	141.55	E1	0.08	R
PC13-AR04	141.55	141.67	E1	0.12	CR
PC13-AR04	141.67	148.78		7.11	R
PC13-AR04	148.78	148.95	E2U	0.17	CR
PC13-AR04	148.95	149.03	E2LP	0.08	R
PC13-AR04	149.03	149.2	E2L	0.17	DC
PC13-AR04	149.2	149.32	E2L	0.12	C

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC13-AR04	149.32	149.4	E2L	0.08	CR
PC13-AR04	149.4	149.55	E2L	0.15	DC
PC13-AR04	149.55	149.7	E3P	0.15	CBSH
PC13-AR04	149.7	152.35	E3P	2.65	R
PC13-AR04	152.35	152.52	E3P	0.17	CBSH
PC13-AR04	152.52	152.7	E3U	0.18	DC
PC13-AR04	152.7	152.85		0.15	CR
PC13-AR04	152.85	153.11		0.26	CBSH
PC13-AR04	153.11	153.35	E3L	0.24	C
PC13-AR04	153.35	153.6		0.25	CBSH
PC13-AR04	153.6	154.25		0.65	R
PC13-AR04	154.25	154.4		0.15	CBSH
PC13-AR04	154.4	154.5	E4	0.1	CR
PC13-AR04	154.5	154.63	E4	0.13	CBSH
PC13-AR04	154.63	154.79	E4	0.16	CR
PC13-AR04	154.79	160.05		5.26	R
PC13-AR04	160.05	160.21		0.16	CBSH
PC13-AR04	160.21	160.4	F1	0.19	C
PC13-AR04	160.4	160.5	F1	0.1	DC
PC13-AR04	160.5	160.7	F1	0.2	C
PC13-AR04	160.7	160.9	F2P	0.2	CR
PC13-AR04	160.9	161.02	F2P	0.12	DC
PC13-AR04	161.02	161.18	F2P	0.16	CR
PC13-AR04	161.18	161.56	F2	0.38	C
PC13-AR04	161.56	161.69		0.13	CBSH
PC13-AR04	161.69	173.2	WV_CG	11.51	R
PC13-AR04	173.2	180.3	WSS	7.1	R
PC13-AR04	180.3	180.55		0.25	R
PC13-AR04	180.55	180.75		0.2	CBSH
PC13-AR04	180.75	181.3		0.55	R
PC13-AR04	181.3	181.65	G1	0.35	CBSH
PC13-AR04	181.65	190.86		9.21	R
PC13-AR04	190.86	191.02		0.16	CR
PC13-AR04	191.02	191.71	G	0.69	C
PC13-AR04	191.71	191.9	GJPT	0.19	CBSH
PC13-AR04	191.9	204.05	GJPT	12.15	R
PC13-AR04	204.05	204.18	GJPT	0.13	CBSH
PC13-AR04	204.18	204.25	J1	0.07	DC
PC13-AR04	204.25	205.2	J1	0.95	C
PC13-AR04	205.2	205.45	J2P	0.25	CR

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC13-AR04	205.45	205.9	J2P	0.45	R
PC13-AR04	205.9	206.08	J2P	0.18	CBSH
PC13-AR04	206.08	206.7	J2U	0.62	C
PC13-AR04	206.7	206.78	J2U	0.08	DC
PC13-AR04	206.78	208.2	J2U	1.42	C
PC13-AR04	208.2	208.24	J2L	0.04	DC
PC13-AR04	208.24	208.44	J2L	0.2	C
PC13-AR04	208.44	208.6	J2L	0.16	DC
PC13-AR04	208.6	209.7	J2L	1.1	C
PC13-AR04	209.7	209.92	J3P	0.22	CBSH
PC13-AR04	209.92	211.8	J3P	1.88	R
PC13-AR04	211.8	211.94	J3P	0.14	CBSH
PC13-AR04	211.94	212	J3	0.06	DC
PC13-AR04	212	213.88	J3	1.88	C
PC13-AR04	213.88	214.1		0.22	CBSH
PC13-AR04	214.1	216.08	QUINTETTE	1.98	R
PC13-AR05	0	30.45	DRIFT	30.45	DRIFT
PC13-AR05	30.45	39	HULCROSS	8.55	R
PC13-AR05	39	39.1	HULCROSS	0.1	ASH_08
PC13-AR05	39.1	41.15	HULCROSS	2.05	R
PC13-AR05	41.15	41.25	HULCROSS	0.1	FAULT
PC13-AR05	41.25	42.25	HULCROSS	1	R
PC13-AR05	42.25	42.95	BASAL_HC	0.7	R
PC13-AR05	42.95	45.4		2.45	R
PC13-AR05	45.4	45.75		0.35	CBSH
PC13-AR05	45.75	46	A1	0.25	DC
PC13-AR05	46	46.25		0.25	CBSH
PC13-AR05	46.25	51.75		5.5	R
PC13-AR05	51.75	52.1	A	0.35	DC
PC13-AR05	52.1	59.29		7.19	R
PC13-AR05	59.29	59.95	B	0.66	C
PC13-AR05	59.95	60.09		0.14	CR
PC13-AR05	60.09	63.75		3.66	R
PC13-AR05	63.75	95.85	ARMAND	32.1	R
PC13-AR05	95.85	96.15		0.3	CBSH
PC13-AR05	96.15	96.25	C	0.1	CR
PC13-AR05	96.25	96.8		0.55	CBSH
PC13-AR05	96.8	107.7		10.9	R
PC13-AR05	107.7	129.5	FT_MT_CG	21.8	R
PC13-AR05	129.5	132		2.5	R

Table A-4: Lithology file (coals and markers) for Perry Creek (continued)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC13-AR05	132	132.3	E0	0.3	CBSH
PC13-AR05	132.3	133.9		1.6	R
PC13-AR05	133.9	134.2	E1	0.3	CBSH
PC13-AR05	134.2	141.25		7.05	R
PC13-AR05	141.25	141.42	E2U	0.17	CBSH
PC13-AR05	141.42	141.54	E2L	0.12	DC
PC13-AR05	141.54	141.62	E2L	0.08	C
PC13-AR05	141.62	141.8	E2L	0.18	DC
PC13-AR05	141.8	142.05	E3P	0.25	CBSH
PC13-AR05	142.05	144.84	E3P	2.79	R
PC13-AR05	144.84	145.09	E3U	0.25	CR
PC13-AR05	145.09	145.46		0.37	CBSH
PC13-AR05	145.46	145.92	E3L	0.46	DC
PC13-AR05	145.92	146.01	E3L	0.09	CR
PC13-AR05	146.01	146.2	E3L	0.19	DC
PC13-AR05	146.2	146.4		0.2	CR
PC13-AR05	146.4	146.5	E4	0.1	CR
PC13-AR05	146.5	146.8		0.3	CBSH
PC13-AR05	146.8	149.71		2.91	R
PC13-AR05	149.71	149.97		0.26	CBSH
PC13-AR05	149.97	150.08	F1	0.11	C
PC13-AR05	150.08	150.17	F1	0.09	DC
PC13-AR05	150.17	150.35	F1	0.18	C
PC13-AR05	150.35	150.5	F2P	0.15	CR
PC13-AR05	150.5	150.65	F2	0.15	DC
PC13-AR05	150.65	150.75	F2	0.1	CR
PC13-AR05	150.75	151.05	F2	0.3	C
PC13-AR05	151.05	151.2		0.15	CBSH
PC13-AR05	151.2	160.6	WV_CG	9.4	R
PC13-AR05	160.6	167.6	WSS	7	R
PC13-AR05	167.6	167.7		0.1	R
PC13-AR05	167.7	168.05	G1	0.35	CBSH
PC13-AR05	168.05	175.08		7.03	R
PC13-AR05	175.08	175.25		0.17	CBSH
PC13-AR05	175.25	175.53	G	0.28	C
PC13-AR05	175.53	175.7	GJPT	0.17	CBSH
PC13-AR05	175.7	182.27	GJPT	6.57	R
PC13-AR05	182.27	182.49	J1	0.22	DC
PC13-AR05	182.49	183.65	J1	1.16	C
PC13-AR05	183.65	183.8	J2P	0.15	CR

Table A-4: Lithology file (coals and markers) for Perry Creek (concluded)

Borehole	Downhole depths (in		Bed/marker name	Thickness (in metres)	Lithology
	From	To			
PC13-AR05	183.8	183.9	J2P	0.1	CBSH
PC13-AR05	183.9	210.25	J2P	26.35	R
PC13-AR05	210.25	210.3	J2P	0.05	CR
PC13-AR05	210.3	210.6	J2U	0.3	DC
PC13-AR05	210.6	212.15	J2U	1.55	C
PC13-AR05	212.15	213.34	J2L	1.19	C
PC13-AR05	213.34	213.6	J3P	0.26	CR
PC13-AR05	213.6	215.75	J3P	2.15	R
PC13-AR05	215.75	215.87	J3P	0.12	CBSH
PC13-AR05	215.87	216	J3	0.13	DC
PC13-AR05	216	217.91	J3	1.91	C
PC13-AR05	217.91	218.1		0.19	CBSH
PC13-AR05	218.1	220.49	QUINTETTE	2.39	R

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Thickness and coordinates of selected coal beds: **Appendix B**

Thickness values presented in **Tables B-1** through **B-4** are derived from interpretation of borehole geophysical logs, and are therefore referenced to measured downhole depths. Gross thickness includes coal, dirty coal, and included internal rock bands (of carbonaceous and non-carbonaceous lithologies alike), whereas net thickness includes only coal and dirty coal. Net thicknesses of zero indicate that the coal bed in question is solely represented by dominantly-carbonaceous rock (as an inferred lateral equivalent to elsewhere-recognised coal). Subsurface coordinates are derived from downhole deviation surveys, except in those cases where nominally-vertical borehole were not thus-surveyed. Net and gross thickness values are intended for use in coal-facies studies, such as depicted by **Maps 4-1** and **4-2** in the case of the E3 coal zone.

Drilled net/gross thicknesses of coal beds E2U, E2L, E3U, E3L, and E4: **Table B-1**

Borehole	Elevation	Drift	Rockhead	repicked?	E2U-roof	E2U-floor	E2U-net	E2U-gross	E2L-roof	E2L-floor	E2L-net	E2L-gross	E3U-roof	E3U-floor	E3U-net	E3U-gross	E3L-roof	E3L-floor	E3L-net	E3L-gross	E4-roof	E4-floor	E4-net	E4-gross
QWD7115	1286.1	18.29	1267.81	yes	82.27	82.6	0	0.33	84.67	84.98	0.31	0.31	92.29	92.69	0.4	0.4	92.93	93.33	0.4	0.4	93.88	94.24	0.36	0.36
QWD7117	1286.4	36.27	1250.13	partial																				
QWD7118	1181.5	30.48	1151.02	partial	********	********	********	********	********	********	********	********	69.86	70.29	0.43	0.43	70.53	70.87	0.34	0.34	71.32	71.84	0.52	0.52
QWD7119	1212.5	23.16	1189.34	yes	114.37	114.42	0.05	0.05	114.42	115.18	0.76	0.76	119.36	119.79	0.43	0.43	120.06	120.52	0.46	0.46	121.43	121.74	122.01	0.31
QWD7120	1206.3	39.93	1179.27	partial	********	********	********	********	********	********	********	********	87.48	87.84	0.36	0.36	88.06	99.38	0.33	0.33	88.64	88.91	0	0.27
QWD7121	1219.2	9.39	1209.81	yes																				
QWD7402	982	2.9	979.1	yes									13.78	14.36	0.58	0.58	15.21	15.7	0	0.49	NP	NP	0	0
QPD88001	1071.41	2.45	1068.96	partial	********	********	********	********	********	********	********	********	64.3	64.64	0.34	0.34	64.88	65.32	0.44	0.44	65.84	66.24	0	0.4
QPD88002	1099.5	11.02	1088.48	yes	111.48	111.65	0.17	0.17	111.86	112.39	0.53	0.53	114.07	114.44	0.37	0.37	114.65	115.16	0.44	0.51	116.06	116.21	0	0.15
QPR88001	1135.05	1	1134.05	partial	********	********	********	********	********	********	********	********	131.08	131.52	0.44	0.44	131.72	132.12	0.36	0.4	133.03	133.3	0	0.3
QPR88002	1101.47	3	1098.47	partial	********	********	********	********	********	********	********	********	69.85	70.32	0.47	0.47	70.46	71.04	0.58	0.58	71.32	71.84	0	0.52
QPR88004	1092.31	2.1	1090.21	yes																				
PRH01-1C	1126.29	8.05	1118.24	yes	91.2	91.55	0	0.35	91.62	92.35	0.73	0.73	93.7	94.17	0.47	0.47	94.35	95	0.65	0.65	95.95	96.74	0	0.79
PRH01-2	1063.53	1.3	1062.23	yes	116.85	117.05	0.2	0.2	117.23	117.77	0.54	0.54	119.3	119.81	0.51	0.51	119.95	120.5	0.55	0.55	121.07	121.5	0	0.43
PRH01-4C	1101.73	4.15	1097.58	partial	********	********	********	********	********	********	********	********	19.8	20.2	0.4	0.4	20.2	20.85	0.65	0.65	NP	NP	0	0
PRH01-5	1036.96	14.7	1022.26	partial	********	********	********	********	********	********	********	********	78.4	78.8	0.4	0.4	79.2	79.5	0.3	0.3	80.45	80.65	0	0.2
PRH01-6	1297.57	1	1296.57	yes	139.4	139.45	0.05	0.05	139.45	140	0.55	0.55	146.8	147.1	0.3	0.3	147.35	147.85	0.5	0.5	149.15	149.4	0	0.25
PRH01-7	1227.59	1.65	1225.94	yes	125.52	125.58	0.06	0.06	125.58	126.16	0.58	0.58	133.92	134.26	0.34	0.34	134.44	134.9	0.46	0.46	135.75	136.32	0.33	0.57
PRH01-8	1172.7	2.75	1169.95	yes	113.95	114.1	0	0.15	114.4	114.65	0.25	0.25	123	123.32	0.32	0.32	123.5	123.92	0.42	0.42	124.48	124.68	0.2	0.2
PRH01-9	1066.33	2.7	1063.63	yes	46.06	46.48	0.42	0.42	46.48	47.15	0.67	0.67	47.65	48.4	0.75	0.75	48.9	49.65	0.4	0.75	50.62	50.78	0.16	0.16
PRH01-10	1169.06	1.7	1167.36	yes	54.6	55	0.4	0.4	55.07	55.76	0.69	0.69	56.75	57.17	0.42	0.42	58	58.08	0.08	0.08	59.8	60.35	0	0.55
PRH01-11	979.29	2.35	976.94	yes	34.4	34.8	0.4	0.4	35.15	36.2	1.05	1.05	37.15	37.55	0.4	0.4	38.05	38.35	0.3	0.3	39.1	39.55	0	0.45
PRH01-12	1015.08	2.2	1012.88	yes	48.3	48.55	0.25	0.25	48.65	49.3	0.65	0.65	50.5	50.85	0.35	0.35	51.05	51.6	0.55	0.55	52.13	52.47	0	0.34
PRH01-13	1165.41	2.5	1162.91	yes	84.85	85.07	0.22	0.22	85.07	85.71	0.64	0.64	88.24	88.61	0.37	0.37	88.96	89.56	0.48	0.6	90.65	91	0	0.35
PRH01-14	1117.52	2.6	1114.92	partial	********	********	********	********	********	********	********	********	100.95	101.3	0.35	0.35	101.55	102	0.45	0.45	102.65	103.58	0.58	0.58
PRH01-15	1270.18	9	1261.18	yes	113.5	113.7	0.2	0.2	113.95	114.5	0.55	0.55	117.15	117.55	0.4	0.4	117.8	118.55	0.47	0.75	119.28	120.28	0	1
PRH01-16C	1121.3	3	1118.3	yes	116.35	116.65	0	0.3	117.15	117.4	0.25	0.25	124.75	125.11	0.36	0.36	125.3	125.75	0.45	0.45	126.25	126.7	0.45	0.45
PRH02-09	1099.01	3.2	1095.81	partial	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PRH02-10C	1089.53	3	1086.53	yes																				
PRH02-11	1375.19	1.8	1373.39	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PRH02-12	1366.63	3.1	1363.53	yes	95.2	95.35	0.15	0.15	95.55	96.05	0.5	0.5	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PRH02-13	1326.72	2.6	1324.12	yes	31	31.25	0.25	0.25	31.25	31.75	0.5	0.5	34.75	35.3	0.55	0.55	35.3	35.5	0	0.2	41.4	41.6	0	0.2
PRH02-14	1306.88	4	1302.88	yes	55.9	56.05	0	0.15	56.2	56.8	0.6	0.6	59.5	60	0.5	0.5	60.5	60.85	0	0.35	63.65	64.2	0	0.55
PRH02-16	1289.57	1	1288.57	yes																				
PRH02-17	1296.69	1.5	1295.19	yes													2.3	2.5	0	0.2	6.7	6.9	0	0.2
PRH02-18C	1287.11	1.65	1285.46	yes																				
PRH02-19	1098.63	2.6	1096.03	yes																				
PRH02-20C	1100.97	1.2	1099.77	yes																				
PRH2003-1C	1095.66	2.1	1093.56	yes	123.53	123.79	0.2	0.26	123.87	124.38	0.51	0.51	125.82	126.22	0.4	0.4	126.45	126.91	0.46	0.46	127.6	127.82	0	0.22
PRH2003-2C	1125.97	2.7	1123.27	yes	89.87	90.05	0.18	0.18	90.25	90.82	0.57	0.57	92.72	93.12	0.4	0.4	93.37	93.93	0.56	0.56	95.12	95.75	0	0.63
PRH2003-3	1000.8	1	999.8	yes	59	59.1	0.1	0.1	59.25	59.9	0.65	0.65	61.25	61.65	0.4	0.4	61.85	62.4	0.35	0.55	63.15	64	0	0.85
PCR2005-01	910.04	3.2	906.84	yes																				
PCR2005-02	926.03	2.8	923.23	no																				
PC2006-02	1212.36	2.1	1210.26	yes	33.72	33.93	0.21	0.21	33.93	34.65	0.72	0.72	37.56	37.92	0.36	0.36	39.05	39.2	0	0.15	42.4	42.6	0	0.2
Borehole	Elevation	Drift	Rockhead	repicked?	E2U-roof	E2U-floor	E2U-net	E2U-gross	E2L-roof	E2L-floor	E2L-net	E2L-gross	E3U-roof	E3U-floor	E3U-net	E3U-gross	E3L-roof	E3L-floor	E3L-net	E3L-gross	E4-roof	E4-floor	E4-net	E4-gross

Drilled net/gross thicknesses of coal beds E2U, E2L, E3U, E3L, and E4: **Table B-1 (continued)**

Borehole	Elevation	Drift	Rockhead	repicked?	E2U-roof	E2U-floor	E2U-net	E2U-gross	E2L-roof	E2L-floor	E2L-net	E2L-gross	E3U-roof	E3U-floor	E3U-net	E3U-gross	E3L-roof	E3L-floor	E3L-net	E3L-gross	E4-roof	E4-floor	E4-net	E4-gross
DH2006-03	1283.74	2.6	1281.14	yes	31.66	31.86	0.2	0.2	31.93	32.49	0.56	0.56	34.4	34.75	0.35	0.35	36.68	36.79	0	0.11	40.02	40.42	0	0.4
DH2006-08	1301.33	2.55	1298.78	yes	52.15	52.3	0.15	0.15	52.4	52.7	0.3	0.3	55.6	55.8	0.2	0.2	56.7	57	0.3	0.3	59.1	59.5	0	0.4
PC2006-09	1300.79	2.38	1298.41	yes	17.94	18.05	0.11	0.11	18.15	18.65	0.5	0.5	21.62	21.95	0.33	0.33	23.9	23.92	0	0.02	27	27.35	0	0.35
DH2006-10	1301.92	2.4	1299.52	yes																	3.58	3.88	0	0.3
DH2006-11	1302.97	2.3	1300.67	yes																				
DH2006-13	1301.31	2.35	1298.96	yes																				
PR2006-01	1304.6	1.15	1303.45	yes	44	44.22	0	0.22	44.22	44.5	0.28	0.28	46.42	46.68	0.26	0.26	47.65	47.8	0	0.15	53.1	53.3	0	0.2
PR2006-02	1269.31	2.55	1266.76	yes	13.8	14.06	0	0.26	14.06	14.43	0.37	0.37	16.25	16.4	0.15	0.15	17.15	17.45	0	0.3	18.8	18.9	0	0.1
PR2006-03	1206.73	0.8	1205.93	yes	17.38	17.6	0.22	0.22	17.6	17.85	0.25	0.25	19.69	19.85	0.16	0.16	21.35	21.6	0	0.25	28.35	28.9	0	0.55
-----Fault probable at 88.6 to 88.88																								
PR2006-03	1206.73	0.8	1205.93	yes																				
PR2006-04	1223.8	0.8	1223	yes	48.42	48.57	0	0.15	48.7	49	0.3	0.3	51.22	51.46	0	0.24	NP	NP	0	0	NP	NP	0	0
-----Fault possible at 71.15 to 71.2																								
PR2006-04	1223.8	0.8	1223	yes																				
-----Fault at 123.25 to 123.3																								
PR2006-04	1223.8	0.8	1223	yes																				
PR2006-05	1147.7	2.4	1145.3	yes	80.44	80.5	0.06	0.06	80.5	80.8	0.3	0.3	82.82	83.08	0.26	0.26	84.3	84.49	0	0.19	NP	NP	0	0
PR2006-06	1147.63	1.8	1145.83	yes	96.06	96.25	0	0.19	96.25	96.62	0.37	0.37	99.25	99.5	0.25	0.25	100.9	101.25	0	0.35	NP	NP	0	0
PR2006-07	1124.38	1.6	1122.78	yes	24.75	24.92	0.17	0.17	25.02	25.3	0.28	0.28	27.65	27.85	0.2	0.2	NP	NP	0	0	NP	NP	0	0
PR2006-08	1122.83	2.55	1120.28	yes	31.3	31.5	0.2	0.2	31.87	32.82	0.95	0.95	36.55	36.72	0.17	0.17	NP	NP	0	0	NP	NP	0	0
PR2006-09	1068.1	0.5	1067.6	yes	26.4	26.5	0	0.1	26.6	27.05	0.45	0.45	29.6	30.05	0.45	0.45	NP	NP	0	0	41.25	41.8	0	0.55
PR2006-10	1068.19	0.9	1067.29	yes	33.77	33.86	0.09	0.09	34.01	34.3	0.29	0.29	38.08	38.22	0.14	0.14	NP	NP	0	0	52.8	53.03	0	0.23
-----Fault possible at 83.6 to 83.8																								
PR2006-10	1068.19	0.9	1067.29	yes																				
PR2006-11	1046.58	1.6	1044.98	yes	10.46	10.69	0.23	0.23	10.69	11.46	0.77	0.77	18.4	18.82	0.42	0.42	23.38	23.5	0	0.12	32.4	33	0	0.6
PR2006-12	1046.42	0.9	1045.52	yes	5.1	5.15	0.05	0.05	5.68	5.8	0.12	0.12	11.58	11.65	0.07	0.07	17.05	17.2	0	0.15	22.7	22.88	0	0.18
PR2006-13	1014.08	2.6	1011.48	yes	5.7	5.88	0	0.18	5.88	6.2	0.32	0.32	8.05	8.15	0	0.1	8.25	8.35	0	0.1	17.85	18.3	0	0.45
-----Fault possible at 86.65 to 86.8																								
PR2006-13	1014.08	2.6	1011.48	yes																				
PR2006-14	1014.04	2.15	1011.89	yes	3	3.3	0	0.3	3.5	3.7	0	0.2	5.55	5.8	0	0.25	7.4	7.5	0	0.1	10.85	11.35	0	0.5
PR2006-15	952.67	0.7	951.97	yes																				
-----Fault possible at 11.2 to 11.5																								
PR2006-15	952.67	0.7	951.97	yes																				
PR2006-16	1058.63	8.2	1050.43	yes	58	58.41	0	0.41	62	63.02	1.02	1.02	65.67	65.85	0	0.18	68.76	69	0.24	0.24	75.33	75.6	0	0.27
-----Fault established at 95.8 to 95.92																								
PR2006-16	1058.63	8.2	1050.43	yes																				
PR2006-17	1059.49	5.8	1053.69	yes																				
PR2006-18	1103.28	2	1101.28	yes																				
PR2006-19	1086.15	21.2	1064.95	yes																				
PR2006-20	988.73	*no geophysical logs*		no																				
PR2006-21	1216.47	11.5	1204.97	partial																				
PR2006-22A	1261.7	8.6	1253.1	partial	********	********	********	********	********	********	********	********	20.29	20.7	0.41	0.41	20.85	21.05	0.2	0.2	21.5	21.7	0	0.2
PR2006-23	1208.45	12.3	1196.15	partial																				
PR2006-24	1256.73	5.8	1250.93	partial	********	********	********	********	********	********	********	********	39.17	39.65	0.48	0.48	39.65	39.9	0.25	0.25	40.08	40.55	0.47	0.47
Borehole	Elevation	Drift	Rockhead	repicked?	E2U-roof	E2U-floor	E2U-net	E2U-gross	E2L-roof	E2L-floor	E2L-net	E2L-gross	E3U-roof	E3U-floor	E3U-net	E3U-gross	E3L-roof	E3L-floor	E3L-net	E3L-gross	E4-roof	E4-floor	E4-net	E4-gross

Drilled net/gross thicknesses of coal beds E2U, E2L, E3U, E3L, and E4: **Table B-1 (continued)**

Borehole	Elevation	Drift	Rockhead	repicked?	E2U-roof	E2U-floor	E2U-net	E2U-gross	E2L-roof	E2L-floor	E2L-net	E2L-gross	E3U-roof	E3U-floor	E3U-net	E3U-gross	E3L-roof	E3L-floor	E3L-net	E3L-gross	E4-roof	E4-floor	E4-net	E4-gross
PR2006-25	1359.16	5.9	1353.26	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PR2006-26	1347.11	2.9	1344.21	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PR2006-27	1225.6	17.9	1207.7	partial	********	********	********	********	********	********	********	********	78.32	78.7	0.38	0.38	78.98	79.35		37	0.37	79.65	79.85	0
PR2006-28	1238.21	8.8	1229.41	partial	********	********	********	********	********	********	********	********	78.4	78.95	0.55	0.55	78.95	79.2	0.25	0.25	79.42	79.65	0.23	0.23
PR2006-29	1324.58	6.8	1231.41	partial	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PC2007-02C	1240.58	0	1240.58	yes																				
PC2007-03C	1240.69	0	1240.69	yes																				
PC2007-04C	1240.3	0	1240.3	yes																				
PC2007-05C	1240.51	0	1240.51	yes																				
PC2007-06C	1240.23	0	1240.23	yes																				
PC2007-07C	1240.12	0	1240.12	yes																				
-----Fault possible at 9.95 to 9.97																								
PC2007-07C	1240.12	0	1240.12	yes																				
PC2007-12C	1239.36	0	1239.36	yes																				
PC2007-14C	1238.73	0	1238.73	yes																				
PC2007-18C	1240	0	1240	yes	3.1	3.25	0.15	0.15	3.35	4.1	0.75	0.75	5.7	6.2	0.5	0.5	7.75	8	0	0.25	10.6	11.25	0	0.65
PC2007-20	1072.64	2.61	1070.03	partial	33.03	33.16	0.13	0.13	33.26	33.85	0.59	0.59	35.37	35.6	0.23	0.23	36.25	36.34	0.09	0.09	38.27	38.93	0	0.66
PC2007-21	1093.83	1.4	1092.43	partial	[geophysical logs not usable within these zones]																			
PC2007-22	1075.3	0	1075.3	yes	24.77	24.97	0.2	0.2	25	25.7	0.7	0.7	27.38	27.71	0.33	0.33	28.6	28.74	0	0.14	30.52	30.63	0	0.11
PC2007-23C	1175.29	0	1175.29	yes	18.6	19	0	0.4	19	19.72	0.72	0.72	21.71	22.35	0.64	0.64	23.36	23.75	0	0.39	24.8	24.9	0	0.1
PC2007-24C	1206.86	0	1206.86	yes	6.5	6.7	0	0.2	6.7	7.1	0.4	0.4	9.78	10.1	0.32	0.32	10.86	11.25	0	0.39	11.75	12.1	0	0.35
PC2007-34C	1080.23	3.85	1076.38	yes																				
PC2007-36	1101.9	2.35	1099.55	yes																				
PC2007-37	1107.21	2.3	1104.91	partial	********	********	********	********	********	********	********	********	23.4	23.7	0	0.3	24	24.3	0.3	0.3	24.77	25.28	0	0.51
PC2007-38	1102.83	1.3	1101.53	yes																				
PC2007-40	1062.24	2.1	1060.14	partial	********	********	********	********	********	********	********	********	60.28	60.7	0.42	0.42	61.05	61.58	0.53	0.53	62.28	63	0	7.2
PC2007-41	1012.71	2.2	1010.51	yes																				
PC2007-42	1019.89	2.7	1017.19	partial	********	********	********	********	********	********	********	********	73.45	73.8	0.35	0.35	73.8	74.38	0.58	0.58	74.9	75.3	0	0.4
PC2007-45	1037.62	20.7	1016.92	yes	111.06	111.13	0	0.07	111.28	111.82	0.54	0.54	113.65	113.94	0.29	0.29	114.32	114.58	0.26	0.26	115.73	115.9	0.17	0.17
PC2007-46	1101.65	2.71	1098.94	yes																				
PC2007-47	1101.54	1.7	1099.84	yes	32.75	33.05	0.3	0.3	33.05	33.65	0.6	0.6	34.79	35.15	0.36	0.36	35.3	35.9	0.6	0.6	36.4	37	0	0.6
PC2007-50C	1093.93	2.15	1091.68	yes																				
PC2007-51C	1097.04	2.45	1094.59	yes																				
PC2007-53C	1095.18	2.15	1093.03	partial	********	********	********	********	********	********	********	********	39.85	40.2	0.35	0.35	40.6	41	0.4	0.4	41.55	42.05	0	0.5
PC2007-54C	1096.13	0.85	1095.28	yes																				
PC2007-55C	1104	2.25	1101.75	partial	********	********	********	********	********	********	********	********	44.1	44.47	0.37	0.37	44.82	45.26	0.44	0.44	46.02	46.91	0	0.89
PC2007-58C	1017.66	3.6	1014.06	yes	86	86.1	0.1	0.1	86.23	86.94	0.71	0.71	88.4	88.71	0.31	0.31	89.2	89.46	0.26	0.26	90.4	90.77	0	0.37
PC2007-59	1096.99	1.2	1095.79	yes																				
PC2007-63C	1284.05	1.1	1282.95	yes	10.1	10.22	0.12	0.12	10.31	10.9	0.59	0.59	12.3	13.05	0.75	0.75	14.7	14.85	0	0.15	NP	NP	0	0
PC2007-64C	1286.11	2.8	1283.31	yes																				
PC2007-65C	1276.4	1.7	1274.7	yes																				
PC2007-66C	1286.03	2.45	1283.58	yes																				
-----Fault at 22.92 to 23.17																								
PC2007-66C	1286.03	2.45	1283.58	yes																				
Borehole	Elevation	Drift	Rockhead	repicked?	E2U-roof	E2U-floor	E2U-net	E2U-gross	E2L-roof	E2L-floor	E2L-net	E2L-gross	E3U-roof	E3U-floor	E3U-net	E3U-gross	E3L-roof	E3L-floor	E3L-net	E3L-gross	E4-roof	E4-floor	E4-net	E4-gross

Drilled net/gross thicknesses of coal beds E2U, E2L, E3U, E3L, and E4: **Table B-1 (continued)**

Borehole	Elevation	Drift	Rockhead	repicked?	E2U-roof	E2U-floor	E2U-net	E2U-gross	E2L-roof	E2L-floor	E2L-net	E2L-gross	E3U-roof	E3U-floor	E3U-net	E3U-gross	E3L-roof	E3L-floor	E3L-net	E3L-gross	E4-roof	E4-floor	E4-net	E4-gross
PC2007-67C	1276.44	2.35	1274.09	yes																				
-----Fault at 64.92 to 64.94																								
PC2007-67C	1276.44	2.35	1274.09	yes																				
-----Fault at 71.76 to 71.78																								
PC2007-67C	1276.44	2.35	1274.09	yes																				
PC2007-68C	1286.02	2.4	1283.62	yes																				
PC08-01	1238	7.3	1230.7	yes																				
PC08-02	1214.27	11.2	1203.07	yes																				
PC08-03	1226.74	42.4	1227.01	partial	********	********	********	********	********	********	********	********	********	********	********	********	********	********	********	********	********	********	********	********
PC08-04	1216.98	13.4	1203.58	partial	********	********	********	********	********	********	********	********	63.65	63.8	0	0.15	64.2	64.4	0.2	0.2	64.75	64.85	0	0.1
PC08-05C	1228.78	37.45	1191.33	partial	********	********	********	********	********	********	********	********	58.6	58.8	0	0.2	59	59.4	0.4	0.4	59.9	60.05	0	0.15
PC08-06C	1290.2	30.15	1260.05	partial	********	********	********	********	********	********	********	********	56.7	57	0.3	0.3	57	57.6	0.6	0.6	57.92	58.2	0.28	0.28
-----Fault possible at 97.75 to 98.10																								
PC08-06C	1290.2	30.15	1260.05	partial																				
PC08-07	1333.82	8.5	1325.32	partial	********	********	********	********	********	********	********	********	97.2	97.45	0.25	0.25	97.7	98.04	0.34	0.34	98.29	98.68	0.39	0.39
PC08-08C	1301.54	8	1293.54	partial	********	********	********	********	********	********	********	********	67.7	68	0.3	0.3	68.3	68.58	0.28	0.28	68.89	69.2	0.31	0.31
PC08-09	1305.36	14.3	1291.06	partial	********	********	********	********	********	********	********	********	73.85	74.17	0.32	0.32	74.44	74.8	0.36	0.36	75.12	75.41	0.29	0.29
PC08-10	1189.45	11.5	1177.95	partial	********	********	********	********	********	********	********	********	81	81.3	0.3	0.3	81.65	82	0.35	0.35	82.5	82.8	0	0.3
PC08-11	1122.18	8.7	1113.48	partial																				
-----Fault possible at 53.20 to 53.78																								
PC08-11	1122.18	8.7	1113.48	partial	********	********	********	********	********	********	********	********	66.5	66.8	0.3	0.3	67.08	67.47	0.39	0.39	68.32	68.65	0	0.33
-----Fault probable at 124.00 to 124.60																								
PC08-11	1122.18	8.7	1113.48	partial																				
PC08-12	1136.59	11.7	1024.89	partial	********	********	********	********	********	********	********	********	69.6	69.89	0.29	0.29	70	70.5	0.5	0.5	70.98	71.52	0.54	0.54
-----Fault possible at 124.68 to 124.90																								
PC08-12	1136.59	11.7	1024.89	partial																				
PC08-13	*not drilled*																							
PC08-14	1177.62	5.3	1172.32	partial	********	********	********	********	********	********	********	********	94.3	94.55	0.25	0.25	94.88	95.15	0.27	0.27	95.45	95.75	0	0.3
PC08-15	1185.88	8.85	1177.03	partial	********	********	********	********	********	********	********	********	30.18	30.41	0.23	0.23	30.76	31.4	0.64	0.64	31.4	31.6	0	0.2
PC08-16	1384.13	11.75	1372.38	yes																				
-----Fault possible at 24.5 to 27.35																								
PC08-16	1384.13	11.75	1372.38	yes																				
-----Fault possible at 73.4 to 73.5																								
PC08-16	1384.13	11.75	1372.38	yes	168.9	168.97	0	0.07	168.97	169.12	0	0.15	178.3	178.58	0.28	0.28	178.98	179.33	0.35	0.35	180	180.13	0.13	0.13
PC08-17	1363.96	5.9	1358.06	yes																				
-----Fault possible at 9.8 to 11.75																								
PC08-17	1363.96	5.9	1358.06	yes	167.3	167.5	0.2	0.2	167.5	167.7	0.2	0.2	174.15	174.55	0.4	0.4	174.9	175.45	0.55	0.55	176.38	176.55	0.17	0.17
PC08-18	1320.47	5.9	1314.57	yes	118.68	118.9	0	0.22	118.9	119.32	0.42	0.42	123.38	123.82	0.44	0.44	124.26	124.35	0.09	0.09	126.14	126.26	0	0.12
WR-08-01	1145.34	1.5	1143.84	yes	11.9	12.16	0.26	0.26	12.16	12.8	0.64	0.64	14.15	14.75	0.6	0.6	15.36	15.57	0.21	0.21	17.15	17.7	0	0.55
PC09-01	1060.92	17.55	1043.37	yes	90.12	90.22	0.1	0.1	90.28	90.67	0.39	0.39	92.25	92.48	0.23	0.23	92.85	93.2	0.35	0.35	93.95	94.4	0	0.45
PC09-02	1037.34	2.3	1035.04	yes	61.4	61.52	0.12	0.12	61.6	62.05	0.45	0.45	63.9	64.13	0.23	0.23	64.57	64.9	0.33	0.33	65.74	65.95	0	0.21
PC09-03	1022.43	2.1	1020.33	yes	99.25	99.35	0.1	0.1	99.4	99.75	0.35	0.35	101.26	101.56	0.3	0.3	101.64	102.1	0.46	0.46	103	103.15	0	0.15
PC09-04	1074.89	2.2	1074.89	yes	63.95	64.32	0.37	0.37	64.32	64.55	0.23	0.23	66.15	66.4	0.25	0.25	66.88	67.25	0.37	0.37	68.2	68.55	0	0.35
PC09-05	1130.16	2.9	1127.26	yes	73.62	73.75	0.13	0.13	73.8	74.35	0.55	0.55	75.54	76	0.46	0.46	76.6	76.8	0.2	0.2	78.05	78.95	0	0.9
PC09-06	1138.84	3.05	1135.79	yes	78.05	78.16	0.11	0.11	78.2	78.65	0.45	0.45	80.1	80.45	0.35	0.35	81.15	81.45	0.3	0.3	82.6	83.05	0	0.45
PC09-07	1172.71	2.45	1170.26	yes	88.65	88.75	0.1	0.1	88.8	89.28	0.48	0.48	91.3	91.5	0.2	0.2	91.95	92.55	0.45	0.6	93.1	93.35	0	0.25
PC09-08	1188.42	0.25	1188.42	yes	79.53	79.66	0.13	0.13	79.75	80.35	0.6	0.6	82.15	82.45	0.3	0.3	83.2	83.5	0	0.3	85.08	85.2	0	0.12
PC09-09	1207.16	0.8	1207.16	yes	95.37	95.5	0.13	0.13	95.55	96.1	0.55	0.55	97.5	98.1	0.52	0.6	98.65	98.9	0	0.25	100.2	100.32	0	0.12
PC09-10	1255.82	4	1251.82	yes																				
-----Fault at 8.35 to 8.45																								
PC09-10	1255.82	4	1251.82	yes	102.3	102.4	0.1	0.1	102.4	102.85	0.45	0.45	104.8	105.15	0.35	0.35	105.6	105.8	0.2	0.2	107.25	107.6	0	0.35
PC09-11	1260.68	2.1	1258.58	yes	faulted out		faulted out	faulted out	faulted out		faulted out	faulted out												
-----Fault at 100.5 to 100.51																								
PC09-11	1260.68	2.1	1258.58	yes									101.88	102.42	0.54	0.54	102.85	103	0	0.15	104.7	104.87	0	0.17
Borehole	Elevation	Drift	Rockhead	repicked?	E2U-roof	E2U-floor	E2U-net	E2U-gross	E2L-roof	E2L-floor	E2L-net	E2L-gross	E3U-roof	E3U-floor	E3U-net	E3U-gross	E3L-roof	E3L-floor	E3L-net	E3L-gross	E4-roof	E4-floor	E4-net	E4-gross

Drilled net/gross thicknesses of coal beds E2U, E2L, E3U, E3L, and E4: **Table B-1 (continued)**

Borehole	Elevation	Drift	Rockhead	repicked?	E2U-roof	E2U-floor	E2U-net	E2U-gross	E2L-roof	E2L-floor	E2L-net	E2L-gross	E3U-roof	E3U-floor	E3U-net	E3U-gross	E3L-roof	E3L-floor	E3L-net	E3L-gross	E4-roof	E4-floor	E4-net	E4-gross
PC09-12	1416.87	1.35	1415.52	yes	159.75	159.92	0.17	0.17	159.92	160.22	0.3	0.3	164.16	164.45	0.29	0.29	164.85	164.97	0	0.12	167.21	167.62	0	0.41
PC09-13	1385.49	2.25	1385.49	yes																				
-----Fault at 14.75 to 15.00																								
PC09-13	1385.49	2.25	1385.49	yes	125.8	125.93	0.13	0.13	125.93	126.28	0.35	0.35	129.85	130.15	0.3	0.3	130.52	130.88	0	0.36	132.55	132.85	0	0.3
PC09-14	1372.17	2.35	1369.82	yes																				
-----Fault at 9.3 to 9.6																								
PC09-14	1372.17	2.35	1369.82	yes	98.72	98.85	0	0.13	98.95	99.4	0.45	0.45	103.48	103.65	0.17	0.17	104.15	104.33	0	0.18	106.65	106.8	0	0.15
PC09-15	1349.49	1.2	1348.29	yes	107.45	107.6	0.15	0.15	107.72	108.2	0.48	0.48	110.88	111.12	0	0.24	111.8	112.05	0	0.25	113.53	113.88	0	0.35
PC09-16	1348.6	2.2	1346.4	yes	105.28	105.43	0.15	0.15	105.53	106.03	0.5	0.5	108.8	109	0.2	0.2	109.45	109.62	0	0.17	111.34	111.87	0	0.53
PC09-17	1365.83	2.6	1363.23	yes	93.71	93.85	0	0.14	93.96	94.37	0.41	0.41	97.24	97.65	0.41	0.41	98.63	98.75	0	0.12	102.15	102.28	0	0.13
PC09-18	1374.26	2.4	1371.86	yes																				
-----Fault at 55.70 to 55.85																								
PC09-18	1374.26	2.4	1371.86	yes	129.9	130	0.1	0.1	130.1	130.48	0.38	0.38	133.28	133.68	0.4	0.4	135.02	135.16	0	0.14	138.12	138.4	0	0.28
PC09-19	1214.37	23.75	1190.62	yes	115.2	115.32	0.12	0.12	115.35	115.8	0.45	0.45	120.12	120.4	0.28	0.28	120.77	121.2	0.43	0.43	121.8	122	0	0.2
PC09-20	1154.97	2.1	1152.87	partial	********	********	********	********	********	********	********	********	39.75	40	0.25	0.25	40.48	40.75	0.27	0.27	41.2	41.45	0	0.25
PC09-21	1162.53	17.95	1144.58	partial	********	********	********	********	********	********	********	********	92.13	92.65	0.52	0.52	93.05	93.41	0.36	0.36	93.8	94.15	0	0.35
PC09-22	1129.29	6	1123.29	yes									17.05	17.32	0.27	0.27	17.8	18.15	0.35	0.35	18.61	19.06	0	0.46
PC09-23	1144.14	8.7	1135.44	partial	********	********	********	********	********	********	********	********	41.2	41.4	0.2	0.2	41.7	42.02	0.32	0.32	42.4	42.8	0.4	0.4
PC09-24	1174.64	26.85	1147.79	partial	********	********	********	********	********	********	********	********	101.5	101.9	0.4	0.4	101.9	102.28	0.38	0.38	102.7	103	0	0.3
PC09-25	1192.53	19.6	1172.93	yes																				
PC09-26	1258.15	6.65	1251.5	yes																				
PC09-27	1295.31	0.8	1294.51	partial	********	********	********	********	********	********	********	********	82.85	83.3	0.45	0.45	83.3	83.51	0.21	0.21	83.87	84.08	0.21	0.21
PC09-28	1324.5	11.7	1373.6	partial	********	********	********	********	********	********	********	********	191.11	191.4	0.29	0.29	191.77	192.08	0.31	0.31	192.4	192.7	0.3	0.3
PC09-29	1338.61	5.8	1332.81	partial	********	********	********	********	********	********	********	********	140.91	141.15	0.24	0.24	141.5	141.75	0.25	0.25	142.18	142.47	0.29	0.29
PC09-30	1385.3	2.85	1382.45	partial	********	********	********	********	********	********	********	********	165.4	165.75	0	0.35	165.75	166.15	0.4	0.4	166.5	166.86	0.36	0.36
PC09-31	1371.18	5.6	1365.58	partial	********	********	********	********	********	********	********	********	177.32	177.8	0.48	0.48	177.8	178.15	0.35	0.35	178.52	178.85	0.33	0.33
PC09-32	1421.43	1.54	1419.89	partial	********	********	********	********	********	********	********	********	107.2	107.48	0.28	0.28	107.8	108.31	0.51	0.51	108.7	109	0.3	0.3
-----Fault possible at 158.5 to 158.6																								
PC09-32	1421.43	1.54	1419.89	partial																				
-----Fault probable at 167.7 to 167.85																								
PC09-32	1421.43	1.54	1419.89	partial																				
PC09-33	1410.67	6.6	1204.07	partial	********	********	********	********	********	********	********	********	194.25	194.6	0.35	0.35	194.6	195.22	0.62	0.62	195.6	196	0.4	0.4
PC09-34	1387.52	12.1	1375.42	partial	********	********	********	********	********	********	********	********	176.8	177.15	0.35	0.35	177.5	177.85	0.35	0.35	178.3	178.75	0	0.45
-----Fault established at 230.80 to 230.90																								
PC09-34	1387.52	12.1	1375.42	partial																				
PC09-35	1083.39	42.5	1040.89	yes																				
PC09-36	1123.94	5.8	1118.14	partial	********	********	********	********	********	********	********	********	80	80.5	0.5	0.5	80.85	81.2	0.35	0.35	81.71	82.1	0.39	0.39
-----Fault possible at 130.4 to 130.6																								
PC09-36	1123.94	5.8	1118.14	partial																				
PC09-37	1108.5	7.8	1100.7	yes									12.65	13.03	0.38	0.38	13.4	13.82	0.42	0.42	14.42	14.72	0.3	0.3
PC09-38	1164.43	35.8	1128.63	partial	********	********	********	********	********	********	********	********	80.5	80.85	0.35	0.35	81.2	81.72	0.52	0.52	82.35	82.75	0.4	0.4
-----Fault possible at 106.55 to 106.70																								
PC09-38	1164.43	35.8	1128.63	partial																				
PC09-UC	1169.1	5.45	1163.65	partial	********	********	********	********	********	********	********	********	72.1	72.35	0.25	0.25	72.65	72.95	0.3	0.3	73.3	73.55	0	0.25
Borehole	Elevation	Drift	Rockhead	repicked?	E2U-roof	E2U-floor	E2U-net	E2U-gross	E2L-roof	E2L-floor	E2L-net	E2L-gross	E3U-roof	E3U-floor	E3U-net	E3U-gross	E3L-roof	E3L-floor	E3L-net	E3L-gross	E4-roof	E4-floor	E4-net	E4-gross

Drilled net/gross thicknesses of coal beds E2U, E2L, E3U, E3L, and E4: **Table B-1 (concluded)**

Borehole	Elevation	Drift	Rockhead	repicked?	E2U-roof	E2U-floor	E2U-net	E2U-gross	E2L-roof	E2L-floor	E2L-net	E2L-gross	E3U-roof	E3U-floor	E3U-net	E3U-gross	E3L-roof	E3L-floor	E3L-net	E3L-gross	E4-roof	E4-floor	E4-net	E4-gross
PC13-01C	1259.2	2.45	1256.75	yes	106.4	106.5	0	0.1	106.8	107.35	0.55	0.55	108.8	109.1	0.3	0.3	109.66	109.85	0	0.19	111.76	112.12	0	0.36
PC13-02C	1300.34	0.8	1299.54	yes	16.72	16.9	0	0.18	16.98	17.49	0.51	0.51	21.4	21.6	0.2	0.2	22.04	22.42	0	0.38	25.4	26.1	0	0.7
PC13-03C	1425.4	3.33	1422.07	yes																				
-----Fault at 53.57 to 53.79																								
PC13-03C	1425.4	3.33	1422.07	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PC13-04C	1425.17	0	1425.17	yes																				
-----Fault at 21.09 to 22.02																								
PC13-04C	1425.17	0	1425.17	yes																				
-----Fault at 22.85 to 23.22																								
PC13-04C	1425.17	0	1425.17	yes																				
-----Fault at 88.95 to 89.05																								
PC13-04C	1425.17	0	1425.17	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PC13-05C	1383.23	2.8	1380.43	yes	133.54	133.96	0	0.42	133.96	134.47	0.51	0.51	138.2	138.3	0.1	0.1	139.35	139.5	0	0.15	140.62	141	0	0.38
PC13-AR01	1383.23	7.3	1329.1	yes	104.92	105.06	0	0.14	105.17	105.62	0.45	0.45	108.8	108.9	0.1	0.1	109.59	109.68	0	0.09	111.46	111.75	0	0.29
-----Fault at 127.8 to 128.08																								
PC13-AR01	1383.23	7.3	1329.1	yes																				
PC13-AR02	1234.69	18.5	1216.19	yes	108.85	109.05	0	0.2	109.25	109.68	0.43	0.43	112.08	112.25	0.17	0.17	112.82	113.02	0.2	0.2	114.15	114.3	0	0.15
PC13-AR03	1308.07	9.15	1298.92	yes	115.55	115.71	0	0.16	115.79	116.25	0.46	0.46	118.69	118.82	0.13	0.13	119.86	120.02	0	0.16	121.12	121.26	0	0.14
PC13-AR04	1184.3	56.9	1127.4	yes	148.78	148.95	0	0.17	149.03	149.55	0.44	0.52	152.52	152.7	0.18	0.18	153.11	153.35	0.24	0.24	154.4	154.79	0	0.39
PC13-AR05	1115.59	30.45	1085.14	yes																				
-----Fault at 41.15 to 41.25																								
PC13-AR05	1115.59	30.45	1085.14	yes	141.25	141.42	0	0.17	141.42	141.8	0.38	0.38	144.84	145.09	0	0.25	145.46	145.92	0.46	0.46	146.4	146.5	0	0.1
Borehole	Elevation	Drift	Rockhead	repicked?	E2U-roof	E2U-floor	E2U-net	E2U-gross	E2L-roof	E2L-floor	E2L-net	E2L-gross	E3U-roof	E3U-floor	E3U-net	E3U-gross	E3L-roof	E3L-floor	E3L-net	E3L-gross	E4-roof	E4-floor	E4-net	E4-gross

Drilled net/gross thicknesses and subsurface positions of coal beds F1, F2, and conjoined zone F12 : **Table B-2**

Borehole	Elevation	Drift	Rockhead	repicked?	F1-roof	Easting	Northing	Elevation	F1-floor	Elevation	F1-net	F1-gross	F2-roof	Easting	Northing	Elevation	F2-floor	Elevation	F2-net	F2-gross	F12-net	F12-gross
QWD7115	1286.1	18.29	1267.81	yes	98.05	610309	6106232	1188.05	98.76	1187.34	0.71	0.71	99.06	610309	6106232	1187.04	99.61	1186.49	0.55	0.55	1.26	1.56
QWD7117	1286.4	36.27	1250.13	partial	36.58	609530	6106946	1249.82	37.19	1249.21	0.51	0.51	37.8	609530	6106946	1248.6	38.34	1248.06	0.67	0.67	1.22	1.76
QWD7118	1181.5	30.48	1151.02	partial	72.79	610259	6106986	1108.71	73.46	1108.04	0.67	0.67	73.76	610259	6106986	1107.29	74.37	1107.13	0.61	0.61	1.28	1.58
QWD7119	1212.5	23.16	1189.34	yes	127.41	610944	6105794	1085.09	128.63	1083.87	1.22	1.22	128.63	610944	6105794	1083.87	128.99	1083.51	0.36	0.36	1.58	1.58
QWD7120	1206.3	39.93	1179.27	partial	89.31	609985	6107335	1117	89.79	1116.5	0.48	0.48	89.79	609985	6107335	1116.51	90.65	1115.65	0.86	0.86	1.34	1.34
QWD7121	1219.2	9.39	1209.81	yes																		
QWD7402	982	2.9	979.1	yes	31.09	611239	6103427	950.91	31.7	950.3	0.61	0.61	34.99	611239	6103427	947.01	35.66	946.34	0.67	0.67	1.28	4.57
QPD88001	1071.41	2.45	1068.96	partial	69.68	611780	6106275	1001.73	70.16	1001.25	0.48	0.48	70.2	611780	6106275	1001.21	70.52	1000.89	0.32	0.32	0.8	0.84
QPD88002	1099.5	11.02	1088.48	yes	122.41	611465	6105857	977.09	123.16	976.34	0.75	0.75	123.4	611465	6105857	976.1	124.03	975.47	0.63	0.63	1.38	1.62
QPR88001	1135.05	1	1134.05	partial	135.13	611050	6106625	999.92	135.89	999.16	0.76	0.76	135.95	611050	6106625	999.1	136.43	998.62	0.48	0.48	1.24	1.3
QPR88002	1101.47	3	1098.47	partial	74.79	611452	6106515	1026.77	76.08	1025.39	1.29	1.29	76.28	611452	6106515	1025.19	77.23	1024.34	0.85	0.85	2.14	2.44
QPR88004	1092.31	2.1	1090.21	yes																		
PRH01-1C	1126.29	8.05	1118.24	yes	101.77	611309	6105705	1024.54	102.8	1023.51	1.03	1.03	102.8	611309	6105705	1023.51	103.26	1023.05	0.46	0.46	1.49	1.49
PRH01-2	1063.53	1.3	1062.23	yes	127	611581	6106000	936.71	127.87	935.84	0.87	0.87	127.87	611581	6106000	935.84	128.62	935.1	0.75	0.75	1.62	1.62
PRH01-4C	1101.73	4.15	1097.58	partial	23.05	611907	6106435	1078.69	23.85	1077.89	0.8	0.8	23.85	611907	6106435	1077.89	24.45	1077.29	0.6	0.6	1.4	1.4
PRH01-5	1036.96	14.7	1022.26	partial	83.95	611716	6106200	953.04	84.72	952.27	0.52	0.77	84.88	611716	6106200	952.11	85.4	951.59	0.52	0.52	1.04	1.45
PRH01-6	1297.57	1	1296.57	yes	154.65	610606	6105911	1143.07	155	1142.72	0.35	0.35	155.4	610606	6105911	1142.32	155.85	1141.87	0.45	0.45	0.8	1.2
PRH01-7	1227.59	1.65	1225.94	yes	142.05	610814	6106041	1085.73	142.84	1084.94	0.79	0.79	143.08	610814	6106041	1084.7	143.84	1083.92	0.76	0.76	1.55	1.79
PRH01-8	1172.7	2.75	1169.95	yes	129	610976	6106236	1043.86	129.75	1043.11	0.75	0.75	129.92	610976	6106236	1042.94	130.5	1042.36	0.58	0.58	1.33	1.5
PRH01-9	1066.33	2.7	1063.63	yes	57.09	611604	6105368	1009.24	57.92	1008.41	0.83	0.83	60.12	611604	6105368	1006.21	60.57	1005.76	0.45	0.45	1.28	3.48
PRH01-10	1169.06	1.7	1167.36	yes	69.1	611244	6105042	1100.01	70.23	1098.89	1.13	1.13	70.23	611244	6105042	1098.89	70.63	1098.49	0.4	0.4	1.53	1.53
PRH01-11	979.29	2.35	976.94	yes	45	611991	6105697	934.32	45.75	933.57	0.75	0.75	46	611991	6105697	933.32	46.4	932.92	0.4	0.4	1.15	1.4
PRH01-12	1015.08	2.2	1012.88	yes	59	611785	6105619	956.11	59.7	955.43	0.7	0.7	60	611785	6105619	955.13	60.7	954.44	0.7	0.7	1.4	1.7
PRH01-13	1165.41	2.5	1162.91	yes	98.78	611185	6105509	1066.64	99.69	1065.73	0.91	0.91	99.88	611185	6105509	1065.54	100.42	1065	0.54	0.54	1.45	1.64
PRH01-14	1117.52	2.6	1114.92	partial	105.4	611277	6106553	1012.23	106.1	1011.53	0.7	0.7	106.3	611277	6106553	1011.33	106.85	1010.78	0.55	0.55	1.25	1.45
PRH01-15	1270.18	9	1261.18	yes	127.62	610879	6105374	1142.58	128.85	1141.35	1.23	1.23	128.85	610879	6105374	1141.35	129.22	1140.98	0.37	0.37	1.6	1.6
PRH01-16C	1121.3	3	1118.3	yes	129.52	611146	6106387	991.91	130.28	991.15	0.76	0.76	130.5	611146	6106387	990.93	131	990.43	0.5	0.5	1.26	1.48
PRH02-09	1099.01	3.2	1095.81	partial	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PRH02-10C	1089.53	3	1086.53	yes																		
PRH02-11	1375.19	1.8	1373.39	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PRH02-12	1366.63	3.1	1363.53	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PRH02-13	1326.72	2.6	1324.12	yes	52.2	610694	6104772	1274.51	53.1	1273.63	0.7	0.9	53.8	610694	6104772	1272.93	54.4	1272.33	0.6	0.6	1.3	2.2
PRH02-14	1306.88	4	1302.88	yes	73.85	610805	6104891	1233.07	74.75	1232.17	0.78	0.9	75	610805	6104891	1231.92	75.6	1231.32	0.6	0.6	1.38	1.75
PRH02-16	1289.57	1	1288.57	yes																		
PRH02-17	1296.69	1.5	1295.19	yes	12.7	610893	6104430	1283.99	13.05	1283.64	0.35	0.35	14.6	610893	6104430	1282.09	14.85	1281.84	0.25	0.25	0.6	2.15
PRH02-18C	1287.11	1.65	1285.46	yes																		
PRH02-19	1098.63	2.6	1096.03	yes																		
PRH02-20C	1100.97	1.2	1099.77	yes																		
PRH2003-1C	1095.66	2.1	1093.56	yes	133.85	611494	6105919	961.85	134.62	961.08	0.77	0.77	134.8	611494	6105919	960.9	135.42	960.28	0.62	0.62	1.39	1.57
PRH2003-2C	1125.97	2.7	1123.27	yes	100.08	611230	6105699	1026.06	100.6	1025.54	0.52	0.52	101.05	611230	6105699	1025.09	101.62	1024.52	0.57	0.57	1.09	1.54
PRH2003-3	1000.8	1	999.8	yes	68.35	611794	6105809	932.5	69.05	931.8	0.7	0.7	69.25	611794	6105809	931.6	69.8	931.05	0.55	0.55	1.25	1.45
PCR2005-01	910.04	3.2	906.84	yes																		
PCR2005-02	926.03	2.8	923.23	no																		
PC2006-02	1212.36	2.1	1210.26	yes	52.7	611153	6104840	1159.73	53.35	1159.08	0.65	0.65	53.35	611153	6104840	1159.08	54.26	1159.17	0.91	0.91	1.56	1.56
Borehole	Elevation	Drift	Rockhead	repicked?	F1-roof	Easting	Northing	Elevation	F1-floor	Elevation	F1-net	F1-gross	F2-roof	Easting	Northing	Elevation	F2-floor	Elevation	F2-net	F2-gross	F12-net	F12-gross

Drilled net/gross thicknesses and subsurface positions of coal beds F1, F2, and conjoined zone F12 : **Table B-2 (continued)**

Borehole	Elevation	Drift	Rockhead	repicked?	F1-roof	Easting	Northing	Elevation	F1-floor	Elevation	F1-net	F1-gross	F2-roof	Easting	Northing	Elevation	F2-floor	Elevation	F2-net	F2-gross	F12-net	F12-gross
DH2006-03	1283.74	2.6	1281.14	yes	50.76	610896	6104799	1232.98	51.56	1232.18	0.8	0.8	51.95	610896	6104799	1231.79	52.26	1231.48	0.31	0.31	1.11	1.5
DH2006-08	1301.33	2.55	1298.78	yes	69.7	610807	6104692	1231.63	70.5	1230.83	0.65	0.8	70.7	610807	6104692	1230.63	71.3	1230.03	0.6	0.6	1.25	1.6
PC2006-09	1300.79	2.38	1298.41	yes	37.62	610791	6104770	1263.17	38.55	1262.24	0.65	0.93	39.25	610791	6104770	1261.54	39.65	1261.14	0.4	0.4	1.05	2.03
DH2006-10	1301.92	2.4	1299.52	yes	5.81	610866	6104680	1296.11	6.05	1295.87	0.24	0.24	12.15	610866	6104680	1289.77	12.35	1289.57	0.2	0.2	0.44	6.54
DH2006-11	1302.97	2.3	1300.67	yes	9.4	610886	6104560	1293.57	12.15	1290.82	2.75	2.75	13.05	610886	6104560	1289.92	13.6		0.55	0.55	3.3	4.2
DH2006-13	1301.31	2.35	1298.96	yes	6.05	610805	6104626	1295.26	6.35	1294.96	0.3	0.3	9.2	610805	6104626	1292.11	9.4	1291.91	0.2	0.2	0.5	3.1
PR2006-01	1304.6	1.15	1303.45	yes	62.88	610666	6104520	1250.75	63.05	1250.42	0.17	0.17	67.75	610667	6104522	1246.48	68.1	1246.18	0.35	0.35	0.52	5.22
PR2006-02	1269.31	2.55	1266.76	yes	38.2	610814	6104326	1236.63	38.3	1236.55	0	0.1	45.85	610817	6104329	1230.03	46.2	1229.71	0.35	0.35	0.35	8
PR2006-03	1206.73	0.8	1205.93	yes	41.93	610907	6104158	1170.71	42.21	1170.48	0.28	0.28	45.68	610908	6104159	1167.53	45.91	1167.34	0.33	0.33	0.61	3.98
-----Fault probable at 88.6 to 88.88																						
PR2006-03	1206.73	0.8	1205.93	yes																		
PR2006-04	1223.8	0.8	1223	yes																		
-----Fault possible at 71.15 to 71.2																						
PR2006-04	1223.8	0.8	1223	yes	75.5	610749	6104258	1158.49	75.98	1158.08	0	0.48	79.58	610751	6104259	1154.98	79.97	1154.65	0.39	0.39	0.39	4.47
-----Fault at 123.25 to 123.3																						
PR2006-04	1223.8	0.8	1223	yes																		
PR2006-05	1147.7	2.4	1145.3	yes	103.9	610825	6104069	1059.59	104.08	1059.44	0.18	0.18	107.05	610826	6104070	1057.02	107.2	1056.9	0.15	0.15	0.33	3.3
PR2006-06	1147.63	1.8	1145.83	yes	123.89	610786	6104037	1024.07	124.05	1023.91	0.16	0.16	127.42	610787	6104037	1020.59	127.85	1020.17	0.43	0.43	0.59	3.96
PR2006-07	1124.38	1.6	1122.78	yes	52.65	610937	6103987	1079.84	53	1079.57	0	0.35	56.1	610939	6103988	1077.11	56.35	1076.91	0.25	0.25	0.25	3.7
PR2006-08	1122.83	2.55	1120.28	yes	68.9	610927	6103956	1054.05	69.16	1053.79	0.26	0.26	72.85	610928	6103956	1050.13	73.03	1049.95	0.18	0.18	0.44	4.13
PR2006-09	1068.1	0.5	1067.6	yes	51.45	610930	6103880	1023.54	51.73	1023.3	0.28	0.28	54.78	610932	6103881	1020.7	54.93	1020.56	0.15	0.15	0.43	3.48
PR2006-10	1068.19	0.9	1067.29	yes	64.19	610908	6103864	1004	64.4	1003.79	0.21	0.21	67.75	610908	6103864	1000.44	67.95	1000.24	0.2	0.2	0.41	3.76
-----Fault possible at 83.6 to 83.8																						
PR2006-10	1068.19	0.9	1067.29	yes																		
PR2006-11	1046.58	1.6	1044.98	yes	43.8	611018	6103749	1002.82	44.17	1002.25	0.37	0.37	47.49	611018	6103749	998.93	47.69	998.73	0.2	0.2	0.57	3.89
PR2006-12	1046.42	0.9	1045.52	yes	31.11	611037	6103759	1019.71	31.29	1019.54	0.18	0.18	33.55	611038	6103760	1017.64	33.74	1017.52	0.19	0.19	0.37	2.63
PR2006-13	1014.08	2.6	1011.48	yes	30.4	611140	6103595	983.66	30.8	983.28	0.4	0.4	34.5	611140	6103595	979.59	35.35	978.74	0.6	0.75	1.15	4.85
-----Fault possible at 86.65 to 86.8																						
PR2006-13	1014.08	2.6	1011.48	yes																		
PR2006-14	1014.04	2.15	1011.89	yes	19.69	611143	6103609	997.08	20.01	996.82	0.32	0.32	23	611144	6103611	994.28	23.3	994.02	0.3	0.3	0.62	3.61
PR2006-15	952.67	0.7	951.97	yes																		
-----Fault possible at 11.2 to 11.5																						
PR2006-15	952.67	0.7	951.97	yes																		
PR2006-16	1058.63	8.2	1050.43	yes	82.73	610786	6103773	986.78	83.92	974.71	1.19	1.19	89.7	610782	6103770	980.94	90.7	980.09	1	1	2.19	7.97
-----Fault established at 95.8 to 95.92																						
PR2006-16	1058.63	8.2	1050.43	yes	96.17	610778	6103768	975.52	96.81	974.99	0.51	0.64	99.3	610777	6103766	972.91	99.47	972.77	0.17	0.17	0.68	3.3
PR2006-17	1059.49	5.8	1053.69	yes																		
PR2006-18	1103.28	2	1101.28	yes																		
PR2006-19	1086.15	21.2	1064.95	yes																		
PR2006-20	988.73	*no geophysical logs*		no																		
PR2006-21	1216.47	11.5	1204.97	partial													st below floor					
PR2006-22A	1261.7	8.6	1253.1	partial	22.2	609070	6107108	1239.5	23	1238.7	0.8	0.8	23	609070	6107108	1238.7	23.5	1238.2	0.5	0.5	1.3	1.3
PR2006-23	1208.45	12.3	1196.15	partial																		
PR2006-24	1256.73	5.8	1250.93	partial	40.85	608623	6107738	1215.96	41.42	1215.39	0.57	0.57	41.42	608623	6107738	1215.39	42.16	1214.65	0.74	0.74	1.31	1.31
Borehole	Elevation	Drift	Rockhead	repicked?	F1-roof	Easting	Northing	Elevation	F1-floor	Elevation	F1-net	F1-gross	F2-roof	Easting	Northing	Elevation	F2-floor	Elevation	F2-net	F2-gross	F12-net	F12-gross

Drilled net/gross thicknesses and subsurface positions of coal beds F1, F2, and conjoined zone F12 : **Table B-2 (continued)**

Borehole	Elevation	Drift	Rockhead	repicked?	F1-roof	Easting	Northing	Elevation	F1-floor	Elevation	F1-net	F1-gross	F2-roof	Easting	Northing	Elevation	F2-floor	Elevation	F2-net	F2-gross	F12-net	F12-gross
PR2006-25	1359.16	5.9	1353.26	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PR2006-26	1347.11	2.9	1344.21	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PR2006-27	1225.6	17.9	1207.7	partial	80.3	608448	6107283	1145.3	80.9	1144.7	0.6	0.6	81.18	608448	6107283	1144.42	81.7	1143.9	0.52	0.52	1.12	1.4
PR2006-28	1238.21	8.8	1229.41	partial	79.98	608445	6107454	1158.23	80.6	1157.61	0.62	0.62	80.6	608445	6107454	1157.61	81.34	1156.87	0.74	0.74	1.36	1.36
PR2006-29	1324.58	6.8	1231.41	partial	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PC2007-02C	1240.58	0	1240.58	yes																		
PC2007-03C	1240.69	0	1240.69	yes																		
PC2007-04C	1240.3	0	1240.3	yes																		
PC2007-05C	1240.51	0	1240.51	yes																		
PC2007-06C	1240.23	0	1240.23	yes																		
PC2007-07C	1240.12	0	1240.12	yes																		
-----Fault possible at 9.95 to 9.97																						
PC2007-07C	1240.12	0	1240.12	yes																		
PC2007-12C	1239.36	0	1239.36	yes																		
PC2007-14C	1238.73	0	1238.73	yes																		
PC2007-18C	1240	0	1240	yes	20.4	610929	6104821	1219.6	21.3	1218.7	0.89	0.9	21.5	610929	6104821	1220.4	22.2	1219.7	0.7	0.75	1.59	1.8
PC2007-20	1072.64	2.61	1070.03	partial	44.85	611604	6105183	1027.79	45.83	1026.81	0.98	0.98	45.83	611604	6105183	1026.81	46.2	1026.44	0.37	0.37	1.35	1.35
PC2007-21	1093.83	1.4	1092.43	partial	60.2	611479	6105326	1033.63	61.1	1032.73	0.9	0.9	61.1	611479	6105326	1032.73	61.52	1032.31	0.42	0.42	1.32	1.32
PC2007-22	1075.3	0	1075.3	yes	38.87	611598	6105091	1036.43	39.6	1035.7	0.73	0.73	39.7	1035.6	611598	6105091	40.31	1034.99	0.61	0.61	1.34	1.44
PC2007-23C	1175.29	0	1175.29	yes	35.91				36.35		0.44	0.44	37.25				37.75		0.5	0.5	0.94	1.8
PC2007-24C	1206.86	0	1206.86	yes	25.58				26.35		0.77	0.77	26.89				27.36		0.47	0.47	1.24	1.78
PC2007-34C	1080.23	3.85	1076.38	yes																		
PC2007-36	1101.9	2.35	1099.55	yes																		
PC2007-37	1107.21	2.3	1104.91	partial	27.59	611747	6106539	1079.62	27.92	1079.29	0.33	0.33	27.92	611747	6106539	1079.29	28.9	1078.31	0.98	0.98	1.31	1.31
PC2007-38	1102.83	1.3	1101.53	yes																		
PC2007-40	1062.24	2.1	1060.14	partial	66	611937	6106174	996.51	66.7	995.83	0.7	0.7	66.7	611937	6106174	995.83	67.38	995.16	0.68	0.68	1.38	1.38
PC2007-41	1012.71	2.2	1010.51	yes																		
PC2007-42	1019.89	2.7	1017.19	partial	79.65	611864	6106070	940.41	80.3	939.76	0.65	0.65	80.3	611864	6106070	939.76	81.12	938.95	0.82	0.82	1.47	1.47
PC2007-45	1037.62	20.7	1016.92	yes	120.91	611649	6106125	917.73	121.68	916.98	0.77	0.77	121.8	611649	6106126	916.86	122.44	916.23	0.64	0.64	1.41	1.53
PC2007-46	1101.65	2.71	1098.94	yes																		
PC2007-47	1101.54	1.7	1099.84	yes	39.65	612020	6106280	1061.91	40.35	1061.21	0.7	0.7	40.45	612020	6106280	1061.12	40.91	1060.66	0.46	0.46	1.16	1.16
PC2007-50C	1093.93	2.15	1091.68	yes																		
PC2007-51C	1097.04	2.45	1094.59	yes																		
PC2007-53C	1095.18	2.15	1093.03	partial	44.39	611690	6106466	1050.81	45	1050.2	0.61	0.61	45	611690	6106466	1050.2	45.81	1049.39	0.81	0.81	1.42	1.42
PC2007-54C	1096.13	0.85	1095.28	yes																		
PC2007-55C	1104	2.25	1101.75	partial	50.3	612161	6106128	1053.71	51.05	1052.96	h	0.75	51.05	612161	6106128	1052.96	51.72	1052.29	0.67	0.67	1.42	1.42
PC2007-58C	1017.66	3.6	1014.06	yes	95.95	611729	6105939	921.72	96.73	920.94	0.78	0.78	96.88	611729	6105939	920.79	97.75	919.92	0.87	0.87	1.65	1.8
PC2007-59	1096.99	1.2	1095.79	yes																		
PC2007-63C	1284.05	1.1	1282.95	yes	40.55	610823	6104334	1243.5	40.7	1243.35	0	0.15	47.53	610823	6104334	1236.52	47.77	1236.28	0.24	0.24	0.24	7.22
PC2007-64C	1286.11	2.8	1283.31	yes																		
PC2007-65C	1276.4	1.7	1274.7	yes	9.85	610909	6104323	1268.8	10	1268.68	0	0.15	11.17	610910	6104324	1267.78	11.65	1267.46	0.48	0.48	0.48	1.8
PC2007-66C	1286.03	2.45	1283.58	yes																		
-----Fault at 22.92 to 23.17																						
PC2007-66C	1286.03	2.45	1283.58	yes																		
Borehole	Elevation	Drift	Rockhead	repicked?	F1-roof	Easting	Northing	Elevation	F1-floor	Elevation	F1-net	F1-gross	F2-roof	Easting	Northing	Elevation	F2-floor	Elevation	F2-net	F2-gross	F12-net	F12-gross

Drilled net/gross thicknesses and subsurface positions of coal beds F1, F2, and conjoined zone F12 : **Table B-2 (continued)**

Borehole	Elevation	Drift	Rockhead	repicked?	F1-roof	Easting	Northing	Elevation	F1-floor	Elevation	F1-net	F1-gross	F2-roof	Easting	Northing	Elevation	F2-floor	Elevation	F2-net	F2-gross	F12-net	F12-gross
PC2007-67C	1276.44	2.35	1274.09	yes	9.15	610905	6104322	1268.17	9.16	1268.16	0.01	0.01	11.45	610907	6104322	1266.08	11.97	1265.61	0.52	0.52	0.53	2.82
-----Fault at 64.92 to 64.94																						
PC2007-67C	1276.44	2.35	1274.09	yes																		
-----Fault at 71.76 to 71.78																						
PC2007-67C	1276.44	2.35	1274.09	yes																		
PC2007-68C	1286.02	2.4	1283.62	yes																		
PC08-01	1238	7.3	1230.7	yes																		
PC08-02	1214.27	11.2	1203.07	yes																		
PC08-03	1226.74	42.4	1227.01	partial	60.5	609782	6107256	62.7	60.95	62.25	0	0.45	61.3	609782	6107256	1165.44	61.9	1164.84	0.6	0.6	0.6	1.4
PC08-04	1216.98	13.4	1203.58	partial	65.6	609951	6107062	1151.36	65.95	1151.03	0.35	0.35	66.5	609951	6107062	1150.48	66.7	1150.28	0.2	0.2	0.55	1.1
PC08-05C	1228.78	37.45	1191.33	partial	61.15	610111	6106792	1167.63	61.65	1167.13	0.5	0.5	62.1	610111	6106792	1166.68	62.3	1166.48	0.2	0.2	0.7	1.15
PC08-06C	1290.2	30.15	1260.05	partial	59.12	609692	6106759	1231.09	59.87	1230.34	0.75	0.75	60.18	609692	6106759	1230.03	60.6	1229.61	0.42	0.42	1.14	1.48
-----Fault possible at 97.75 to 98.10																						
PC08-06C	1290.2	30.15	1260.05	partial																		
PC08-07	1333.82	8.5	1325.32	partial	99.54	609351	6106728	1234.89	100.2	1234.24	0.66	0.66	100.48	609351	6106728	1233.96	101.01	1233.44	0.53	0.53	1.19	1.47
PC08-08C	1301.54	8	1293.54	partial	69.88	609168	6106933	1231.68	70.6	1230.96	0.72	0.72	70.81	609168	6106933	1230.75	71.33	1230.23	0.52	0.52	1.24	1.45
PC08-09	1305.36	14.3	1291.06	partial	77.2	609851	6106482	1228.22	78.02	1227.4	0.82	0.82	78.3	609851	6106482	1227.12	78.9	1226.52	0.6	0.6	1.42	1.7
PC08-10	1189.45	11.5	1177.95	partial	84.53	610554	6106540	1105.62	85.2	1104.95	0.67	0.67	85.2	610554	6106540	1104.95	86.02	1104.15	0.82	0.82	1.49	1.49
PC08-11	1122.18	8.7	1113.48	partial																		
-----Fault possible at 53.20 to 53.78																						
PC08-11	1122.18	8.7	1113.48	partial	69.55	610807	6106859	1053.11	70.52	1052.18	0.97	0.97	70.8	610807	6106859	1051.91	71.2	1051.5	0.4	0.4	1.37	1.65
-----Fault probable at 124.00 to 124.60																						
PC08-11	1122.18	8.7	1113.48	partial																		
PC08-12	1136.59	11.7	1024.89	partial	72.6	610409	6107164	1064.68	73.33	1063.98	0.73	0.73	73.33	610409	6107465	1063.98	74.05	1063.28	0.72	0.72	1.45	1.45
-----Fault possible at 124.68 to 124.90																						
PC08-12	1136.59	11.7	1024.89	partial																		
PC08-13	*not drilled*																					
PC08-14	1177.62	5.3	1172.32	partial	96.21	610023	6107514	1081.48	96.84	1080.85	0.63	0.63	96.84	610023	6107514	1080.85	97.6	1080.09	0.76	0.76	1.39	1.39
PC08-15	1185.88	8.85	1177.03	partial	32.18	609641	6107466	1153.72	32.99	1152.91	0.52	0.81	32.99	609641	6107466	1152.91	33.79	1152.11	1.1	1.1	1.62	1.91
PC08-16	1384.13	11.75	1372.38	yes																		
-----Fault possible at 24.5 to 27.35																						
PC08-16	1384.13	11.75	1372.38	yes																		
-----Fault possible at 73.4 to 73.5																						
PC08-16	1384.13	11.75	1372.38	yes	185.8	610148	6106070	1198.51	186.74	1197.57	0.94	0.94	186.74	610148	6106070	1197.57	187.38	1196.94	0.64	0.64	1.58	1.58
PC08-17	1363.96	5.9	1358.06	yes																		
-----Fault possible at 9.8 to 11.75																						
PC08-17	1363.96	5.9	1358.06	yes	183.12	610425	6105700	118.46	184.24	1180.6	1.12	1.12	184.32	610425	6105700	1180.52	184.95	1179.9	0.63	0.63	1.75	1.75
PC08-18	1320.47	5.9	1314.57	yes	134.85	610423	6105700	1186.6	135.85	1185.62	1	1	135.85	610657	6105333	1185.62	136.48	1185	0.63	0.63	1.63	1.63
WR-08-01	1145.34	1.5	1143.84	yes	25.73				26.65		0.81	0.92	26.65				27.23		0.58	0.58	1.39	1.5
PC09-01	1060.92	17.55	1043.37	yes	98.9	611575	6105811	962.31	99.75	961.37	0.85	0.85	99.9	611575	6105811	961.22	100.34	960.78	0.44	0.44	1.29	1.44
PC09-02	1037.34	2.3	1035.04	yes	71.52	611659	6105678	965.9	72.15	965.27	0.54	0.63	72.55	611659	6105678	964.87	73.07	964.35	0.52	0.52	1.06	1.55
PC09-03	1022.43	2.1	1020.33	yes	107.4	611712	6106060	915.31	108.12	914.6	0.72	0.72	108.27	611712	6106060	914.45	108.65	914.07	0.38	0.38	1.1	1.25
PC09-04	1074.89	2.2	1074.89	yes	74.25	611501	6105581	1000.68	75.18	999.75	0.89	0.93	75.23	611501	6105581	999.7	75.65	999.28	0.42	0.42	1.31	1.4
PC09-05	1130.16	2.9	1127.26	yes	85.15	611355	6105402	1045.07	86.1	1044.12	0.95	0.95	86.15	611355	6105402	1044.07	86.67	1043.55	0.52	0.52	1.47	1.52
PC09-06	1138.84	3.05	1135.79	yes	90	611292	6105482	1048.94	90.98	1047.96	0.98	0.98	91.1	611292	6105482	1047.84	91.5	1047.45	0.4	0.4	1.38	1.5
PC09-07	1172.71	2.45	1170.26	yes	100.88	611140	6105535	1071.95	101.55	1071.29	0.67	0.67	101.66	611140	6105535	1071.18	102.09	1070.9	0.43	0.43	1.1	1.21
PC09-08	1188.42	0.25	1188.42	yes	93.95	611182	6105198	1094.54	94.85	1093.64	0.9	0.9	94.85	611182	6105198	1093.64	95.5	1092.99	0.65	0.65	1.55	1.55
PC09-09	1207.16	0.8	1207.16	yes	109	611104	6105329	1098.27	110	1097.28	1	1	110.12	611104	6105329	1097.16	110.55	1096.73	0.43	0.43	1.43	1.55
PC09-10	1255.82	4	1251.82	yes																		
-----Fault at 8.35 to 8.45																						
PC09-10	1255.82	4	1251.82	yes	115.87	610932	6105286	1140.24	116.8	1139.27	0.93	0.93	116.85	610932	6105286	1139.22	117.12	1138.89	0.27	0.27	1.2	1.25
PC09-11	1260.68	2.1	1258.58	yes																		
-----Fault at 100.5 to 100.51																						
PC09-11	1260.68	2.1	1258.58	yes	113.75	610986	6105121	1147.34	114.7	1146.41	0.95	0.95	114.7	610986	6105121	1146.41	115.08	1146.03	0.38	0.38	1.33	1.33
Borehole	Elevation	Drift	Rockhead	repicked?	F1-roof	Easting	Northing	Elevation	F1-floor	Elevation	F1-net	F1-gross	F2-roof	Easting	Northing	Elevation	F2-floor	Elevation	F2-net	F2-gross	F12-net	F12-gross

Drilled net/gross thicknesses and subsurface positions of coal beds F1, F2, and conjoined zone F12 : **Table B-2 (continued)**

Borehole	Elevation	Drift	Rockhead	repicked?	F1-roof	Easting	Northing	Elevation	F1-floor	Elevation	F1-net	F1-gross	F2-roof	Easting	Northing	Elevation	F2-floor	Elevation	F2-net	F2-gross	F12-net	F12-gross
PC09-12	1416.87	1.35	1415.52	yes	177.12	610513	6104915	1244.9	177.9	1244.17	0.58	0.78	178.45	610513	6104915	1243.65	178.82	1243.3	0.37	0.37	0.95	1.7
PC09-13	1385.49	2.25	1385.49	yes																		
-----Fault at 14.75 to 15.00																						
PC09-13	1385.49	2.25	1385.49	yes	142.2	610572	6104994	1243.97	143.05	1243.13	0.85	0.85	143.12	610572	6104994	1243.06	143.63	1242.56	0.51	0.51	1.36	1.43
PC09-14	1372.17	2.35	1369.82	yes																		
-----Fault at 9.3 to 9.6																						
PC09-14	1372.17	2.35	1369.82	yes	117	610568	6104865	1256.12	117.92	1255.21	0.92	0.92	118.6	610568	6104865	1254.55	119.28	1253.88	0.68	0.68	1.6	2.28
PC09-15	1349.49	1.2	1348.29	yes	122.66	610647	6105104	1227.53	123.48	1226.72	0.82	0.82	123.48	610647	6105104	1226.72	124.35	1225.86	0.87	0.87	1.69	1.69
PC09-16	1348.6	2.2	1346.4	yes	122.58	610716	6105038	1226.53	123.34	1225.79	0.76	0.76	123.34	610716	6105038	1225.79	123.96	1225.19	0.62	0.62	1.38	1.38
PC09-17	1365.83	2.6	1363.23	yes	111.8	610600	6104684	1255.63	112.08	1255.36	0.28	0.28	114.51	610600	6104684	1253.02	115.01	1252.54	0.5	0.5	0.78	3.21
PC09-18	1374.26	2.4	1371.86	yes																		
-----Fault at 55.70 to 55.85																						
PC09-18	1374.26	2.4	1371.86	yes	146.12	610536	6104614	1235.05	146.6	1234.61	0.48	0.48	153.08	610539	6104616	1228.81	153.5	1228.44	0.42	0.42	0.9	7.38
PC09-19	1214.37	23.75	1190.62	yes	127.88	610925	6105797	1086.87	128.83	1085.92	0.95	0.95	128.83	610925	6105797	1085.92	129.32	1085.43	0.49	0.49	1.44	1.44
PC09-20	1154.97	2.1	1152.87	partial	41.88	610153	6107682	1113.37	42.54	1112.73	0.66	0.66	42.54	610153	6107682	1112.73	43.41	1111.88	0.87	0.87	1.53	1.53
PC09-21	1162.53	17.95	1144.58	partial	94.78	610170	6107561	1068.4	95.41	1067.79	0.63	0.63	95.41	610170	6107561	1067.79	96.2	1067.02	0.79	0.79	1.42	1.42
PC09-22	1129.29	6	1123.29	yes	20	610532	6107279	1111.98	20.8	1111.29	0.8	0.8	20.8	610532	6107279	1111.29	21.2	1110.93	0.4	0.4	1.2	1.2
PC09-23	1144.14	8.7	1135.44	partial	43.4	610404	6107466	1107.1	44.03	1106.56	0.63	0.63	44.03	610404	6107466	1106.56	44.88	1105.85	0.85	0.85	1.48	1.48
PC09-24	1174.64	26.85	1147.79	partial	103.67	610215	6107350	1071.04	104.2	1070.51	0.53	0.53	104.2	610215	6107350	1070.51	104.85	1069.86	0.65	0.65	1.18	1.18
PC09-25	1192.53	19.6	1172.93	yes																		
PC09-26	1258.15	6.65	1251.5	yes													6.65	1252.5	at floor	at floor		
PC09-27	1295.31	0.8	1294.51	partial	84.71	608981	6106981	1212.02	85.35	1211.41	0.64	0.64	85.35	608981	6106981	1211.41	85.85	1210.94	0.5	0.5	1.14	1.14
PC09-28	1324.5	11.7	1373.6	partial	193.36	608774	6106750	1131.4	194.04	1130.72	0.68	0.68	194.52	608774	6106750	1130.24	195.08	1129.68	0.56	0.56	1.24	1.72
PC09-29	1338.61	5.8	1332.81	partial	143.15	609072	6106880	1199.11	143.73	1198.57	0.58	0.58	144.19	609072	6106880	1198.13	144.66	1197.69	0.47	0.47	1.05	1.51
PC09-30	1385.3	2.85	1382.45	partial	167.85	608729	6106509	1225.19	169	1224.18	1.15	1.15	169	608728	6106509	1224.18	170.02	1223.31	1.02	1.02	2.17	2.17
PC09-31	1371.18	5.6	1365.58	partial	179.62	609190	6106763	1203.37	180.28	1202.78	0.66	0.66	180.28	609191	6106763	1202.78	181.08	1202.05	0.8	0.8	1.48	1.48
PC09-32	1421.43	1.54	1419.89	partial	110.39	608898	6106200	1311.28	111.39	1310.28	1	1	111.72	608898	6106200	1309.96	112.21	1309.72	0.49	0.49	1.49	1.82
-----Fault possible at 158.5 to 158.6																						
PC09-32	1421.43	1.54	1419.89	partial																		
-----Fault probable at 167.7 to 167.85																						
PC09-32	1421.43	1.54	1419.89	partial																		
PC09-33	1410.67	6.6	1204.07	partial	197.06	609537	6106411	1219.4	197.87	1218.61	0.81	0.81	198.28	609537	6106411	1218.22	198.72	1217.8	0.44	0.44	1.25	1.66
PC09-34	1387.52	12.1	1375.42	partial	182.02	609855	6106227	1208.51	182.4	1208.14	0.38	0.38	182.4	609855	6106227	1208.14	183.65	1206.94	1.25	1.25	1.63	1.63
-----Fault established at 230.80 to 230.90																						
PC09-34	1387.52	12.1	1375.42	partial																		
PC09-35	1083.39	42.5	1040.89	yes	starts	within	Quintette?															
PC09-36	1123.94	5.8	1118.14	partial	83.98	611116	6106709	1050.29	84.55	1049.79	0.57	0.57	84.55	611116	6106710	1049.79	85.3	1049.12	0.75	0.75	1.32	1.32
-----Fault possible at 130.4 to 130.6																						
PC09-36	1123.94	5.8	1118.14	partial																		
PC09-37	1108.5	7.8	1100.7	yes	16.32	610763	6106949	1092.18	17.25	1091.25	0.93	0.93	17.25	610763	6106949	1091.25	17.91	1090.59	0.66	0.66	1.59	1.59
PC09-38	1164.43	35.8	1128.63	partial	83.85	610472	6106895	1080.74	84.45	1080.04	0.6	0.6	84.45	610472	6106895	1080.04	85.15	1079.35	0.7	0.7	1.3	1.3
-----Fault possible at 106.55 to 106.70																						
PC09-38	1164.43	35.8	1128.63	partial																		
PC09-UC	1169.1	5.45	1163.65	partial	74.25	610219	6107219	1094.85	74.65	1094.45	0.4	0.4	74.65	610219	6107219	1094.45	74.85	1094.25	0.2	0.2	0.6	0.6
Borehole	Elevation	Drift	Rockhead	repicked?	F1-roof	Easting	Northing	Elevation	F1-floor	Elevation	F1-net	F1-gross	F2-roof	Easting	Northing	Elevation	F2-floor	Elevation	F2-net	F2-gross	F12-net	F12-gross

Drilled net/gross thicknesses and subsurface positions of coal beds F1, F2, and conjoined zone F12 : **Table B-2 (concluded)**

Borehole	Elevation	Drift	Rockhead	repicked?	F1-roof	Easting	Northing	Elevation	F1-floor	Elevation	F1-net	F1-gross	F2-roof	Easting	Northing	Elevation	F2-floor	Elevation	F2-net	F2-gross	F12-net	F12-gross
PC13-01C	1259.2	2.45	1256.75	yes	118.95	610956	6105246.44	1140.25	120	1139.2	1.05	1.05	120	610956	6105246.44	1139.2	120.41	1138.79	0.41	0.41	1.46	1.46
PC13-02C	1300.34	0.8	1299.54	yes	36.74	610721.8	6104794.83	1263.6	37.49	1262.85	0.52	0.75	38.25	610721.78	6104794.84	1262.09	38.6	1261.74	0.35	0.35	0.87	1.86
PC13-03C	1425.4	3.33	1422.07	yes																		
-----Fault at 53.57 to 53.79																						
PC13-03C	1425.4	3.33	1422.07	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PC13-04C	1425.17	0	1425.17	yes																		
-----Fault at 21.09 to 22.02																						
PC13-04C	1425.17	0	1425.17	yes																		
-----Fault at 22.85 to 23.22																						
PC13-04C	1425.17	0	1425.17	yes																		
-----Fault at 88.95 to 89.05																						
PC13-04C	1425.17	0	1425.17	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PC13-05C	1383.23	2.8	1380.43	yes	150.2	610549.71	6105078.88	1233.03	151.19	1232.04	0.99	0.99	151.19	610549.71	6105078.86	1232.04	151.85	1231.38	0.66	0.66	1.65	1.65
PC13-AR01	1383.23	7.3	1329.1	yes	120.7	610750.49	6105059.4	1216.55	121.57	1215.7	0.87	0.99	121.78	610750.5	6105058.21	1215.5	122.17	1215.11	0.39	0.39	1.26	1.47
-----Fault at 127.8 to 128.08																						
PC13-AR01	1383.23	7.3	1329.1	yes																		
PC13-AR02	1234.69	18.5	1216.19	yes	122.3	610935.41	6105535.62	1112.51	123	1111.82	0.7	0.7	123	610935.34	6105535.56	1111.82	123.63	1111.2	0.63	0.63	1.33	1.33
PC13-AR03	1308.07	9.15	1298.92	yes	130.11	610718.26	6105308.87	1178.55	130.78	1177.89	0.67	0.67	130.78	610718.17	6105308.81	1177.89	131.38	1177.29	0.6	0.6	1.27	1.27
PC13-AR04	1184.3	56.9	1127.4	yes	160.21	611170.84	6105929.84	1024.31	160.7	1023.82	0.49	0.49	161.18	611170.75	6105929.78	1023.34	161.56	1022.97	0.38	0.38	0.87	1.35
PC13-AR05	1115.59	30.45	1085.14	yes																		
-----Fault at 41.15 to 41.25																						
PC13-AR05	1115.59	30.45	1085.14	yes	149.97	611376.97	6106138.9	967.48	150.35	967.1	0.38	0.38	150.5	611376.88	6106138.84	966.96	150.95	966.52	0.45	0.55	0.83	1.08
Borehole	Elevation	Drift	Rockhead	repicked?	F1-roof	Easting	Northing	Elevation	F1-floor	Elevation	F1-net	F1-gross	F2-roof	Easting	Northing	Elevation	F2-floor	Elevation	F2-net	F2-gross	F12-net	F12-gross

Drilled net/gross thicknesses and subsurface positions of coal beds G and J1: **Table B-3**

Borehole	Elevation	Drift	Rockhead	repicked?	G-roof	Easting	Northing	Elevation	G-floor	Elevation	G-net	G-gross	J1-roof	Easting	Northing	Elevation	J1-floor	Elevation	J1-net	J1-gross
QWD7115	1286.1	18.29	1267.81	yes	129.84	610309	6106232	1156.26	130.67	1155.43	0.83	0.83	135.27	610309	6106232	1150.83	136.79	1149.31	1.52	1.52
QWD7117	1286.4	36.27	1250.13	partial	63.55	609530	6106946	1222.84	63.98	1222.41	0.32	0.32	64.86	609530	6106946	1221.54	65.96	1220.44	1.1	1.1
QWD7118	1181.5	30.48	1151.02	partial	97.54	610259	6106986	1083.96	97.99	1083.51	0.45	0.45	102.41	610259	6106986	1079.09	103.33	1078.17	0.92	0.92
QWD7119	1212.5	23.16	1189.34	yes	159.41	610944	6105794	1053.36	160.32	1052.18	0.91	0.91	168.49	610944	6105794	1044.01	169.59	1042.91	1.1	1.1
QWD7120	1206.3	39.93	1179.27	partial	116.07	609985	6107335	1090.23	116.59	1089.71	0.52	0.52	119.73	609985	6107335	1086.57	120.94	1085.36	1.21	1.21
QWD7121	1219.2	9.39	1209.81	yes																
QWD7402	982	2.9	979.1	yes	65.68	611239	6103427	916.32	66.93	915.07	1.25	1.25	83.91	611239	6103427	898.09	85.28	896.72	1.37	1.37
QPD88001	1071.41	2.45	1068.96	partial	98.8	611780	6106275	972.62	99.48	971.95	0.68	0.68	105.74	611780	6106275	965.69	106.92	964.51	1.18	1.18
QPD88002	1099.5	11.02	1088.48	yes	152.86	611465	6105857	946.68	153.64	945.86	0.78	0.78	168.92	611465	6105857	930.58	170.32	929.18	1.4	1.4
QPR88001	1135.05	1	1134.05	partial	163.28	611051	6106625	971.77	163.95	971.1	0.67	0.67	169.46	611051	6106625	965.59	171.1	963.95	1.64	1.64
QPR88002	1101.47	3	1098.47	partial	100.4	611453	6106517	1001.3	101.09	1000.61	0.69	0.69	106.61	611453	6106518	995.13	107.16	994.58	0.55	0.55
QPR88004	1092.31	2.1	1090.21	yes									8.46	611401	6106741	1083.85	9.51	1082.8	1.05	1.05
PRH01-1C	1126.29	8.05	1118.24	yes	133.15	611309	6105705	993.17	134.1	992.22	0.95	0.95	147.45	611309	6105704	978.88	148.7	977.63	1.25	1.25
PRH01-2	1063.53	1.3	1062.23	yes	154.15	611580	6105998	909.7	154.95	908.91	0.8	0.8	162.55	611580	6105997	901.35	164.2	899.71	1.65	1.65
PRH01-4C	1101.73	4.15	1097.58	partial	50.4	611909	6106436	1051.39	51.15	1050.65	0.75	0.75	56.7	611909	6106436	1045.12	58.35	1043.48	1.4	1.65
PRH01-5	1036.96	14.7	1022.26	partial	115.4	611717	6106200	921.61	116	921.01	0.6	0.6	122.05	611717	6106200	914.97	123.22	913.81	1.17	1.17
PRH01-6	1297.57	1	1296.57	yes	182.1	610605	6105912	1115.64	182.6	1115.15	0.5	0.5	188.15	610605	6105912	1109.91	189.3	1108.76	1.15	1.15
PRH01-7	1227.59	1.65	1225.94	yes	173.05	610814	6106039	1054.78	173.95	1053.88	0.9	0.9	180.95	610814	6106039	1046.9	182.45	1045.4	1.5	1.5
PRH01-8	1172.7	2.75	1169.95	yes	154.95	610976	6106235	1017.96	155.5	1017.41	0.55	0.55	162	610976	6106234	1010.93	163.68	1009.26	1.68	1.68
PRH01-9	1066.33	2.7	1063.63	yes	86.9	611604	6105367	979.43	87.76	978.57	0.86	0.86	101.05	611604	6105367	965.29	102.4	963.94	1.35	1.35
PRH01-10	1169.06	1.7	1167.36	yes	97.1	611243	6105040	1072.09	98.1	1071.09	1	1	106.15	611243	6105239	1063.08	107.5	1061.74	1.35	1.35
PRH01-11	979.29	2.35	976.94	yes	74.7	611990	6105695	904.67	75.6	903.77	0.9	0.9	89.4	611989	6105694	890.01	90.5	888.91	1.1	1.1
PRH01-12	1015.08	2.2	1012.88	yes	89.22	611783	6105618	925.98	90.15	925.05	0.93	0.93	104.25	611782	6105617	911.02	105.45	909.82	1.2	1.2
PRH01-13	1165.41	2.5	1162.91	yes	130.6	611184	6105509	1034.84	131.7	1033.74	1.1	1.1	140.13	611184	6105510	1025.31	141.45	1024	1.32	1.32
PRH01-14	1117.52	2.6	1114.92	partial	130.85	611277	6106556	986.88	131.3	986.43	0.45	0.45	137.75	611277	6106556	980.01	138.95	978.82	1.2	1.2
PRH01-15	1270.18	9	1261.18	yes	158.87	610878	6105373	1111.35	160	1110.22	1.13	1.13	167.38	610878	6105372	1102.85	168.78	1101.46	1.4	1.4
PRH01-16C	1121.3	3	1118.3	yes	155.84	611146	6106388	965.64	156.4	965.08	0.56	0.56	161.38	611146	6106389	960.12	162.56	958.94	1.18	1.18
PRH02-09	1099.01	3.2	1095.81	partial	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PRH02-10C	1089.53	3	1086.53	yes									4.6	611629	6106720	1084.93	5.5	1084.03	0.9	0.9
PRH02-11	1375.19	1.8	1373.39	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PRH02-12	1366.63	3.1	1363.53	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PRH02-13	1326.72	2.6	1324.12	yes	92.6	610696	6104771	1234.19	94.05	1232.74	1.45	1.45	99.75	610696	6104770	1227.06	100.9	1225.91	1.15	1.15
PRH02-14	1306.88	4	1302.88	yes	104.05	610804	6104889	1202.99	104.85	1202.19	0.8	0.8	112.2	610804	6104888	1194.88	113.4	1193.69	1.2	1.2
PRH02-16	1289.57	1	1288.57	yes	29.5	610935	6104529	1260.07	30.25	1259.32	0.75	0.75	38.45	610935	6104529	1251.12	39.75	1249.82	1.3	1.3
PRH02-17	1296.69	1.5	1295.19	yes	44.3	610893	6104430	1252.39	45.1	1251.59	0.8	0.8	54.85	610893	6104430	1241.84	56.3	1240.39	1.45	1.45
PRH02-18C	1287.11	1.65	1285.46	yes	31.7	610932	6104656	1255.41	32.35	1254.76	0.65	0.65	41.1	610932	6104656	1246	42.45	1244.66	1.35	1.35
PRH02-19	1098.63	2.6	1096.03	yes									2.6	611999	6106553	1096.03	3.5	1095.13	0.62	0.9
PRH02-20C	1100.97	1.2	1099.77	yes	5.7	611977	6106551	1095.47	6.15	1094.82	0.45	0.45	12.91	611977	6106551	1088.06	13.6	1087.37	0.69	0.69
PRH2003-1C	1095.66	2.1	1093.56	yes	163.85	611494	6105917	931.87	164.55	931.18	0.7	0.7	178.45	611493	6105917	917.29	179.9	915.84	1.45	1.45
PRH2003-2C	1125.97	2.7	1123.27	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PRH2003-3	1000.8	1	999.8	yes	98.45	611795	6105807	902.5	99.25	901.7	0.8	0.8	115.95	611797	6105806	885.08	117.2	883.84	1.25	1.25
PCR2005-01	910.04	3.2	906.84	yes	21.7	611288	6103216	888.43	22.92	887.22	1.22	1.22	41.95	611291	6103217	868.83	44.63	866.16	2.68	2.68
PCR2005-02	926.03	2.8	923.23	n																
PC2006-02	1212.36	2.1	1210.26	yes	80.85	611152	6104837	1131.81	81.7	1130.98	0.85	0.85	92.65	611150	6104835	1120.17	93.96	1118.88	1.31	1.31
Borehole	Elevation	Drift	Rockhead	repicked?	G-roof	Easting	Northing	Elevation	G-floor	Elevation	G-net	G-gross	J1-roof	Easting	Northing	Elevation	J1-floor	Elevation	J1-net	J1-gross

Drilled net/gross thicknesses and subsurface positions of coal beds G and J1: **Table B-3 (continued)**

Borehole	Elevation	Drift	Rockhead	repicked?	G-roof	Easting	Northing	Elevation	G-floor	Elevation	G-net	G-gross	J1-roof	Easting	Northing	Elevation	J1-floor	Elevation	J1-net	J1-gross
DH2006-03	1283.74	2.6	1281.14	yes	80.92	610896	6104799	1202.82	81.8	1201.94	0.88	0.88	90.05	610896	6104799	1193.69	91.47	1192.27	1.42	1.42
DH2006-08	1301.33	2.55	1298.78	yes	99.6	610807	6104692	1201.73	100.4	1200.93	0.8	0.8	107.7	610807	6104692	1193.63	109.1	1192.23	1.4	1.4
PC2006-09	1300.79	2.38	1298.41	yes	70.86	610791	6104770	1229.93	72	1228.79	1.14	1.14	78.85	610791	6104770	1221.15	80.69	1220.1	1.84	1.84
DH2006-10	1301.92	2.4	1299.52	yes	42.65	610866	6104680	1259.27	43.45	1258.47	0.8	0.8	50.82	610866	6104680	1251.1	51.97	1249.95	1.15	1.15
DH2006-11	1302.97	2.3	1300.67	yes	43.9	610886	6104560	1259.07	44.75	1258.22	0.85	0.85	52.1	610886	6104560	1250.87	53.85	1249.12	1.75	1.75
DH2006-13	1301.31	2.35	1298.96	yes	39.55	610805	6104626	1261.76	40.4	1260.91	0.85	0.85	48.5	610805	6104626	1252.81	49.95	1251.36	1.45	1.45
PR2006-01	1304.6	1.15	1303.45	yes	98.92	610679	6104535	1220.43	99.5	1219.96	0.58	0.58	111.48	610684	6104540	1210.16	113.13	1208.82	1.65	1.65
PR2006-02	1269.31	2.55	1266.76	yes	75.1	610827	6104339	1204.69	75.75	1204.08	0.65	0.65	85.75	610831	6104343	1195.63	87.55	1194.07	1.8	1.8
PR2006-03	1206.73	0.8	1205.93	yes	71.2	610919	6104169	1146.14	71.86	1145.59	0.66	0.66	85.3	610925	6104174	1134.64	86.45	1133.72	1.15	1.15
-----Fault probable at 88.6 to 88.88																				
PR2006-03	1206.73	0.8	1205.93	yes																
PR2006-04	1223.8	0.8	1223	yes																
-----Fault possible at 71.15 to 71.2																				
PR2006-04	1223.8	0.8	1223	yes	114.11	610767	6104267	1125.39	114.91	1124.73	0.8	0.8								
-----Fault at 123.25 to 123.3													faulted-out							
PR2006-04	1223.8	0.8	1223	yes																
PR2006-05	1147.7	2.4	1145.3	yes	135.41	610839	6104080	1033.96	136.29	1033.26	0.88	0.88	144.4	610844	6104083	1026.71	145.53	1025.79	1.13	1.13
PR2006-06	1147.63	1.8	1145.83	yes	158.9	610793	6104038	989.67	159.94	988.16	1.04	1.04	166.8	610795	6104038	981.99	168.28	980.55	1.48	1.48
PR2006-07	1124.38	1.6	1122.78	yes	79.28	610949	6103998	1058.54	79.7	1058.22	0.42	0.42	90.62	610953	6104003	1049.57	91.69	1048.73	1.07	1.07
PR2006-08	1122.83	2.55	1120.28	yes	100.57	610931	6103954	1022.58	101.55	1021.61	0.98	0.98	112.9	610932	6103954	1010.4	114.29	1009.03	1.39	1.39
PR2006-09	1068.1	0.5	1067.6	yes	83.02	610946	6103887	997.04	83.9	996.33	0.88	0.88	93.56	610951	6103889	988.32	95.6	986.65	2.04	2.04
PR2006-10	1068.19	0.9	1067.29	yes																
-----Fault possible at 83.6 to 83.8																				
PR2006-10	1068.19	0.9	1067.29	yes	106.51	610908	6103864	961.68	107.26	960.93	0.75	0.75	115.45	610908	6103864	952.74	117.6	950.39	2.15	2.15
PR2006-11	1046.58	1.6	1044.98	yes	81.58	611018	6103749	964.84	82.41	964.01	0.83	0.83	96	611018	6103749	950.42	97.34	949.08	1.34	1.34
PR2006-12	1046.42	0.9	1045.52	yes	61.11	611049	6103770	994.69	62.03	993.95	0.92	0.92	75.03	611055	6103776	983.65	76.28	982.68	1.25	1.25
PR2006-13	1014.08	2.6	1011.48	yes	65.75	611142	6103597	948.47	66.32	947.91	0.57	0.57	84.6	611145	6103599	930.03	85.6	929.07	1	1
-----Fault possible at 86.65 to 86.8																				
PR2006-13	1014.08	2.6	1011.48	yes																
PR2006-14	1014.04	2.15	1011.89	yes	47.41	611153	6103622	973.94	48	973.48	0.59	0.59	62.48	611159	6103629	962.06	64.39	960.58	0.91	0.91
PR2006-15	952.67	0.7	951.97	yes																
-----Fault possible at 11.2 to 11.5																				
PR2006-15	952.67	0.7	951.97	yes																
PR2006-16	1058.63	8.2	1050.43	yes																
-----Fault established at 95.8 to 95.92																				
PR2006-16	1058.63	8.2	1050.43	yes	130.21	610770	6103761	947.6	130.82	947.12	0.61	0.61	138.51	610766	6103758	941.25	141.15	939.27	2.64	2.64
PR2006-17	1059.49	5.8	1053.69	yes																
PR2006-18	1103.28	2	1101.28	yes																
PR2006-19	1086.15	21.2	1064.95	yes																
PR2006-20	988.73	*no geophysical logs*		no																
PR2006-21	1216.47	11.5	1204.97	partial	21.6	608832	6107263	1194.87	22	1194.47	0	0.4	24.8	608832	6107263	1191.67	25.6	1190.87	0.8	0.8
PR2006-22A	1261.7	8.6	1253.1	partial	48	609070	6107108	1213.7	48.35	1213.35	0	0.35	50.9	609070	6107108	1210.8	51.57	1210.13	0.67	0.67
PR2006-23	1208.45	12.3	1196.15	partial									starts	608883	6107604	in-coal	12.4	1196.05	0.1	0.1
PR2006-24	1256.73	5.8	1250.93	partial	65.7	608623	6107739	1191.14	65.87	1190.97	0	0.17	69.3	608624	6107739	1187.54	69.82	1187.02	0.52	0.52
Borehole	Elevation	Drift	Rockhead	repicked?	G-roof	Easting	Northing	Elevation	G-floor	Elevation	G-net	G-gross	J1-roof	Easting	Northing	Elevation	J1-floor	Elevation	J1-net	J1-gross

Drilled net/gross thicknesses and subsurface positions of coal beds G and J1: **Table B-3 (continued)**

Borehole	Elevation	Drift	Rockhead	repicked?	G-roof	Easting	Northing	Elevation	G-floor	Elevation	G-net	G-gross	J1-roof	Easting	Northing	Elevation	J1-floor	Elevation	J1-net	J1-gross
PR2006-25	1359.16	5.9	1353.26	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PR2006-26	1347.11	2.9	1344.21	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PR2006-27	1225.6	17.9	1207.7	partial	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PR2006-28	1238.21	8.8	1229.41	partial	105.45	608445	6107454		105.7		0.25	0.25	108.98	608445	6107454		109.82		0.84	0.84
PR2006-29	1324.58	6.8	1231.41	partial	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PC2007-02C	1240.58	0	1240.58	yes	0	610862	6104705	1240.58	1	1239.58	1	1	8.77	610862	6104705	1231.81	10.2	1230.38	1.43	1.43
PC2007-03C	1240.69	0	1240.69	yes	17.6	610881	6104737	1223.09	18.7	1221.99	1.1	1.1	26.46	610881	6104737	1214.23	28.51	1212.18	2.05	2.05
PC2007-04C	1240.3	0	1240.3	yes	29.6	610897	6104764	1210.7	30.55	1209.75	0.95	0.95	39.02	610897	6104764	1201.28	40.45	1199.85	1.43	1.43
PC2007-05C	1240.51	0	1240.51	yes																
PC2007-06C	1240.23	0	1240.23	yes									6.25	610929	6104683	1233.98	8.14	1232.09	1.89	1.89
PC2007-07C	1240.12	0	1240.12	yes																
-----Fault possible at 9.95 to 9.97																				
PC2007-07C	1240.12	0	1240.12	yes	17.3	610947	6104706	1222.82	18.4	1221.72	1.1	1.1	27.2	610947	6104706	1212.92	28.93	1211.19	1.73	1.73
PC2007-12C	1239.36	0	1239.36	yes									4.25	611034	6104595	1235.11	5.68	1233.68	1.43	1.43
PC2007-14C	1238.73	0	1238.73	yes									3.6	611053	6104564	1235.13	5.2	1233.53	1.6	1.6
PC2007-18C	1240	0	1240	yes	51.2	610929	6104821	1188.8	52	1188	0.8	0.8	61.7	610929	6104821	1178.3	63	1177	1.3	1.3
PC2007-20	1072.64	2.61	1070.03	partial	72.97	611604	6105183	999.67	73.69	998.95	0.72	0.72	87.75	611604	6105183	984.89	89	983.64	1.25	1.25
PC2007-21	1093.83	1.4	1092.43	partial	92	611479	6105326	1001.83	92.71	1001.12	0.71	0.71	104	611479	6105326	989.83	105.12	988.71	1.12	1.12
PC2007-22	1075.3	0	1075.3	yes	66.07	611598	6105091	1009.23	66.73	1008.57	0.67	0.67	79.99	611598	6105091	995.31	81.25	994.05	1.26	1.26
PC2007-23C	1175.29	0	1175.29	yes	66.6				67.5		0.9	0.9	77				78.8		1.8	1.8
PC2007-24C	1206.86	0	1206.86	yes	55.21				56.19		0.98	0.98	67.9				69.63		1.73	1.73
PC2007-34C	1080.23	3.85	1076.38	yes	30.91				31.74		0.83	0.83	40.47				41.69		1.22	1.22
PC2007-36	1101.9	2.35	1099.55	yes	24.5	611800	6106622	1077.41	24.98	1076.93	0.58	0.58	30.28	611801	6106622	1071.65	31.02	1070.91	0.74	0.74
PC2007-37	1107.21	2.3	1104.91	partial	55.54	611748	6106541	1051.73	56.04	1051.23	0.5	0.5	61.29	611749	6106541	1046.02	63.02	1044.31	1.73	1.73
PC2007-38	1102.83	1.3	1101.53	yes	26.95	612090	6106363	1075.88	27.63	1075.2	0.68	0.68	33.85	612090	6106363	1068.99	34.98	1067.66	1.13	1.13
PC2007-40	1062.24	2.1	1060.14	partial	96.28	611940	6106180	967.03	97.15	966.18	0.87	0.87	104.02	611941	6106182	959.51	105.16	958.41	1.14	1.14
PC2007-41	1012.71	2.2	1010.51	yes	21.89	612322	6105897	990.82	22.64	990.07	0.75	0.75	33.7	612322	6105897	979.02	34.61	978.11	0.91	0.91
PC2007-42	1019.89	2.7	1017.19	partial	108.69	611867	6106073	911.77	109.32	911.15	0.63	0.63	116.07	611868	6106075	904.52	117.42	903.2	1.35	1.35
PC2007-45	1037.62	20.7	1016.92	yes	149.87	611654	6106130	889.64	150.42	889.13	0.55	0.55	157.03	611655	6106132	882.83	158.52	881.42	1.49	1.49
PC2007-46	1101.65	2.71	1098.94	yes																
PC2007-47	1101.54	1.7	1099.84	yes	67	612022	6106282	1034.71	67.47	1034.24	0.47	0.47	73.45	612023	6106283	1028.35	74	1027.81	0.55	0.55
PC2007-50C	1093.93	2.15	1091.68	yes																
PC2007-51C	1097.04	2.45	1094.59	yes																
PC2007-53C	1095.18	2.15	1093.03	partial	73.8	611689	6106466	1021.43	74.49	1020.74	0.69	0.69	80.33	611689	6106467	1014.9	81.41	1013.82	1.08	1.08
PC2007-54C	1096.13	0.85	1095.28	yes																
PC2007-55C	1104	2.25	1101.75	partial	82.6	612160	6106129	1021.41	83.45	1020.56	0.85	0.85	91.82	612160	6106129	1012.19	93.23	1010.78	1.41	1.41
PC2007-58C	1017.66	3.6	1014.06	yes	125.7	611730	6105938	892.18	126.57	891.11	0.87	0.87	135.46	611730	6105938	882.22	136.86	880.82	1.19	1.4
PC2007-59	1096.99	1.2	1095.79	yes																
PC2007-63C	1284.05	1.1	1282.95	yes	82.85	610824	6104334	1201.21	83.9	1200.16	1.05	1.05	95.91	610824	6104334	1188.15	97.18	1186.88	1.27	1.27
PC2007-64C	1286.11	2.8	1283.31	yes	32.58	610918	6104440	1253.53	33.42	1252.69	0.84	0.84	42.58	610918	6104440	1243.53	44.37	1241.74	0.79	0.79
PC2007-65C	1276.4	1.7	1274.7	yes	47.24	610934	6104324	1240.87	48.49	1239.97	1.25	1.25	64.82	610945	6104323	1227.85	67.05	1226.19	2.23	2.23
PC2007-66C	1286.03	2.45	1283.58	yes																
-----Fault at 22.92 to 23.17																				
PC2007-66C	1286.03	2.45	1283.58	yes	40.47	610945	6104448	1254.78	41.31	1254.12	0.84	0.84	52.97	610954	6104448	1245.09	54.52	1243.88	1.55	1.55
Borehole	Elevation	Drift	Rockhead	repicked?	G-roof	Easting	Northing	Elevation	G-floor	Elevation	G-net	G-gross	J1-roof	Easting	Northing	Elevation	J1-floor	Elevation	J1-net	J1-gross

Drilled net/gross thicknesses and subsurface positions of coal beds G and J1: **Table B-3 (continued)**

Borehole	Elevation	Drift	Rockhead	repicked?	G-roof	Easting	Northing	Elevation	G-floor	Elevation	G-net	G-gross	J1-roof	Easting	Northing	Elevation	J1-floor	Elevation	J1-net	J1-gross
PC2007-67C	1276.44	2.35	1274.09	yes	43.94	610921	6104322	1263.68	44.74	1235.97	0.8	0.8	57.66	610927	6104322	1224.24	59.71	1222.35	2.05	2.05
-----Fault at 64.92 to 64.94																				
PC2007-67C	1276.44	2.35	1274.09	yes																
-----Fault at 71.76 to 71.78																				
PC2007-67C	1276.44	2.35	1274.09	yes																
PC2007-68C	1286.02	2.4	1283.62	yes	35.11	610936	6104439	1254.33	36.27	1253.28	1.16	1.16	45.93	910941	6104438	1244.51	47.76	1242.85	1.83	1.83
PC08-01	1238	7.3	1230.7	yes	14.56	609139	6107212	1223.45	14.88	1223.13	0	0.32	16.8	609139	6107213	1221.21	18.12	1219.89	1.32	1.32
PC08-02	1214.27	11.2	1203.07	yes	20.71	609433	6107238	1163.56	21.01	1193.26	0.3	0.3	22.69	609433	6107238	1191.58	23.79	1190.48	0.87	1.1
PC08-03	1226.74	42.4	1227.01	partial	85.6	609782	6107256	1141.14	86.05	1140.69	0.45	0.45	87.65	609782	6107256	1139.09	88.2	1138.54	0.55	0.55
PC08-04	1216.98	13.4	1203.58	partial	90.65	609951	6107062	1126.33	90.9	1126.08	0.25	0.25	94.3	609951	6107062	1122.68	94.95	1122.03	0.65	0.65
PC08-05C	1228.78	37.45	1191.33	partial	87.08	610111	6106792	1141.7	87.46	1141.32	0.38	0.38	91.25	610111	6106792	1137.53	92.05	1136.73	0.8	0.8
PC08-06C	1290.2	30.15	1260.05	partial	88.4	609692	6106759	1201.81	88.68	1201.53	0.28	0.28	90.11	609692	6106759	1200.1	91.51	1198.7	1.5	1.5
-----Fault possible at 97.75 to 98.10																				
PC08-06C	1290.2	30.15	1260.05	partial																
PC08-07	1333.82	8.5	1325.32	partial	131.2	609355	6106732	1203.79	131.48	1203.52	0.28	0.28	133.05	609356	6106733	1201.99	134.86	1200.23	1.81	1.81
PC08-08C	1301.54	8	1293.54	partial	97.45	609168	6106933	1204.11	97.98	1203.58	0	0.53	100.2	609168	6106933	1201.37	101.15	1200.42	0.95	0.95
PC08-09	1305.36	14.3	1291.06	partial	106.52	609851	6106483	1198.93	106.9	1198.55	0.38	0.38	109.6	609851	6106483	1195.85	111.28	1194.18	1.43	1.68
PC08-10	1189.45	11.5	1177.95	partial	109.53	610550	6106540	1080.9	110	1080.44	0.47	0.47	114.35	610549	6106540	1076.15	115.33	1075.18	0.98	0.98
PC08-11	1122.18	8.7	1113.48	partial																
-----Fault possible at 53.20 to 53.78																				
PC08-11	1122.18	8.7	1113.48	partial	94.65	610809	6106864	1028.59	95.12	1028.14	0.47	0.47	100.5	610810	6106865	1022.93	101.4	1022.06	0.9	0.9
-----Fault probable at 124.00 to 124.60																				
PC08-11	1122.18	8.7	1113.48	partial																
PC08-12	1136.59	11.7	1024.89	partial	99.15	610414	6107170	1039.39	99.5	1039.05	0.35	0.35	106.19	610416	6107172	1032.74	108.2	1030.88	2.01	2.01
-----Fault possible at 124.68 to 124.90																				
PC08-12	1136.59	11.7	1024.89	partial																
PC08-13	*not drilled*																			
PC08-14	1177.62	5.3	1172.32	partial	121.3	610022	6107512	1056.49	121.61	1056.2	0.31	0.31	124.56	610022	6107511	1053.23	125.62	1052.2	1.06	1.06
PC08-15	1185.88	8.85	1177.03	partial	59.45	609640	6107465	1126.47	59.77	1126.15	0.32	0.32	60.9	609640	6107465	1125.02	62.31	1123.62	1.41	1.41
PC08-16	1384.13	11.75	1372.38	yes																
-----Fault possible at 24.5 to 27.35																				
PC08-16	1384.13	11.75	1372.38	yes																
-----Fault possible at 73.4 to 73.5																				
PC08-16	1384.13	11.75	1372.38	yes	219.8	610147	6106073	1164.62	220.55	1163.87	0.75	0.75	227	610147	6106073	1157.44	228.27	1156.17	1.27	1.27
PC08-17	1363.96	5.9	1358.06	yes																
-----Fault possible at 9.8 to 11.75																				
PC08-17	1363.96	5.9	1358.06	yes	215.59	610423	6105700	1149.28	216.29	1148.59	0.7	0.7	221.8	610423	6105700	1143.08	223.11	1141.78	1.31	1.31
PC08-18	1320.47	5.9	1314.57	yes	165.33	610655	6105327	1156.7	166.35	1155.71	1.02	1.02	172.25	610654	6105326	1149.96	173.8	1148.44	1.55	1.55
WR-08-01	1145.34	1.5	1143.84	yes	55.5				56.5		1	1	65.35				66.9		1.55	1.55
PC09-01	1060.92	17.55	1043.37	yes	129	611573	6105808	932.32	129.76	931.57	0.76	0.76	145	611572	6105806	916.44	146.2	915.24	1.2	1.2
PC09-02	1037.34	2.3	1035.04	yes	101.85	611658	6105676	935.65	102.55	934.95	0.7	0.7	117	611658	6105675	920.56	118.55	919.02	1.55	1.55
PC09-03	1022.43	2.1	1020.33	yes	135.32	611714	6106065	887.89	135.8	887.42	0.48	0.48	142.7	611715	6106066	880.68	143.29	880.11	0.59	0.59
PC09-04	1074.89	2.2	1074.89	yes	105.2	611500	6105580	969.75	105.88	969.07	0.68	0.68	119.4	611500	6105579	955.59	120.84	954.15	1.44	1.44
PC09-05	1130.16	2.9	1127.26	yes	115.45	611354	6105401	1014.82	116.45	1013.82	1	1	128.4	611353	6105400	1001.9	129.72	1000.58	1.32	1.32
PC09-06	1138.84	3.05	1135.79	yes	121.15	611290	6105480	1017.91	122	1017.07	0.85	0.85	133.32	611289	6105479	1005.83	134.69	1004.47	1.37	1.37
PC09-07	1172.71	2.45	1170.26	yes	133.6	611139	6105535	1039.27	134.5	1038.37	0.9	0.9	142.05	611138	6105535	1030.82	143.4	1029.48	1.35	1.35
PC09-08	1188.42	0.25	1188.42	yes	123.5	611180	6105197	1065.09	124.34	1064.26	0.84	0.84	131.15	611179	6105196	1057.5	132.6	1056.06	1.45	1.45
PC09-09	1207.16	0.8	1207.16	yes	138.5	611101	6105328	1068.91	139.55	1067.67	1.05	1.05	146.45	611100	6105327	1061.01	147.92	1059.56	1.47	1.47
PC09-10	1255.82	4	1251.82	yes																
-----Fault at 8.35 to 8.45																				
PC09-10	1255.82	4	1251.82	yes	147.2	610931	6105284	1108.98	148.05	1108.13	0.85	0.85	155.18	610930	6105283	1101.05	156.4	1099.84	1.22	1.22
PC09-11	1260.68	2.1	1258.58	yes																
-----Fault at 100.5 to 100.51																				
PC09-11	1260.68	2.1	1258.58	yes	144.45	610985	6105116	1116.95	145.35	1116.06	0.9	0.9	152.85	610984	6105115	1108.65	154.25	1107.27	1.4	1.4
Borehole	Elevation	Drift	Rockhead	repicked?	G-roof	Easting	Northing	Elevation	G-floor	Elevation	G-net	G-gross	J1-roof	Easting	Northing	Elevation	J1-floor	Elevation	J1-net	J1-gross

Drilled net/gross thicknesses and subsurface positions of coal beds G and J1: **Table B-3 (continued)**

Borehole	Elevation	Drift	Rockhead	repicked?	G-roof	Easting	Northing	Elevation	G-floor	Elevation	G-net	G-gross	J1-roof	Easting	Northing	Elevation	J1-floor	Elevation	J1-net	J1-gross
PC09-12	1416.87	1.35	1415.52	yes	214.55	610525	6104917	1209.73	215.4	1208.93	0.85	0.85	221.25	610527	6104918	1203.37	223.32	1201.41	2.07	2.07
PC09-13	1385.49	2.25	1385.49	yes																
-----Fault at 14.75 to 15.00																				
PC09-13	1385.49	2.25	1385.49	yes	173.25	610574	6104989	1213.4	173.95	1212.71	0.7	0.7	179.68	610575	6104988	1207.08	181.82	1204.98	2.14	2.14
PC09-14	1372.17	2.35	1369.82	yes																
-----Fault at 9.3 to 9.6																				
PC09-14	1372.17	2.35	1369.82	yes	153.87	610574	6104863	1219.81	154.6	1219.09	0.73	0.73	160.38	610575	6104863	1213.37	162.22	1211.55	1.84	1.84
PC09-15	1349.49	1.2	1348.29	yes	156.25	610645	6105098	1194.51	156.95	1193.83	0.7	0.7	162.32	610644	6105096	1188.57	163.92	1187.01	1.6	1.6
PC09-16	1348.6	2.2	1346.4	yes	154.4	610714	6105033	1195.18	155.07	1194.53	0.67	0.67	161.25	610714	6105032	1188.45	163.25	1186.49	2	2
PC09-17	1365.83	2.6	1363.23	yes	151.4	610611	6104681	1217.65	152.11	1216.98	0.71	0.71	158.07	610613	6104681	1211.34	159.34	1210.15	1.27	1.27
PC09-18	1374.26	2.4	1371.86	yes																
-----Fault at 55.70 to 55.85																				
PC09-18	1374.26	2.4	1371.86	yes	187	610552	6104625	1198.58	187.85	1197.91	0.85	0.85	196.6	610555	6104628	1190.15	198.83	1188.18	2.23	2.23
PC09-19	1214.37	23.75	1190.62	yes	159.25	610922	6105796	1055.71	160.1	1054.87	0.85	0.85	167.96	610921	6105795	1047.09	169.18	1045.88	1.22	1.22
PC09-20	1154.97	2.1	1152.87	partial	70.61	610156	6107687	1085.38	71	1085.01	0.39	0.39	74.61	610157	6107688	1081.56	75.28	1080.92	0.67	0.67
PC09-21	1162.53	17.95	1144.58	partial	121.65	610173	6107568	1042.52	122	1042.18	0.35	0.35	125.5	610173	6107569	1038.86	126.3	1038.11	0.8	0.8
PC09-22	1129.29	6	1123.29	yes	46.4	610541	6107287	1088.65	46.88	1088.22	0.48	0.48	51.5	610543	6107288	1084.1	52.25	1083.43	0.75	0.75
PC09-23	1144.14	8.7	1135.44	partial	68.4	610412	6107475	1085.46	68.88	1085.04	0.48	0.48	73.6	610414	6107477	1080.92	74.5	1080.14	0.9	0.9
PC09-24	1174.64	26.85	1147.79	partial	130.8	610213	6107348	1044.06	131.2	1043.66	0.4	0.4	135.4	610213	6107347	1039.49	136.26	1038.64	0.86	0.86
PC09-25	1192.53	19.6	1172.93	yes	20.3	609371	6107449	1172.23	20.55	1171.98	0.25	0.25	21.6	609371	6107449	1170.93	22.2	1170.33	0.6	0.6
PC09-26	1258.15	6.65	1251.5	yes	33.3	609304	6107074	1224.86	33.7	1224.45	0	0.4	35.4	609304	6107074	1222.76	36.8	1221.36	1.4	1.4
PC09-27	1295.31	0.8	1294.51	partial	111.3	608986	6106988	1186.79	111.6	1186.5	0	0.3	114.1	608986	6106989	1184.2	114.91	1183.46	0.81	0.81
PC09-28	1324.5	11.7	1373.6	partial	224.05	608774	6106750	1100.72	224.44	1100.33	0	0.39	227.4	608774	6106750	1097.37	228.68	1096.09	1.28	1.28
PC09-29	1338.61	5.8	1332.81	partial	170.45	609078	6106886	1173.26	170.83	1172.9	0.38	0.38	174.71	609079	6106887	1169.26	175.69	1168.34	0.98	0.98
PC09-30	1385.3	2.85	1382.45	partial	209.92	608705	6106506	1191.12	210.31	1190.86	0.39	0.39	213	608702	6106505	1188.93	215.22	1187.34	2.22	2.22
PC09-31	1371.18	5.6	1365.58	partial	210.1	609200	6106770	1175.81	210.45	1175.48	0	0.35	212.02	609201	6106771	1174.08	213.7	1172.59	1.68	1.68
PC09-32	1421.43	1.54	1419.89	partial	151.95	608892	6106202	1270.32	152.3	1269.98	0.35	0.35	155.25	608891	6106202	1267.12	158.4	1264.07	3.15	3.15
-----Fault possible at 158.5 to 158.6																				
PC09-32	1421.43	1.54	1419.89	partial																
-----Fault probable at 167.7 to 167.85																				
PC09-32	1421.43	1.54	1419.89	partial																
PC09-33	1410.67	6.6	1204.07	partial	229.1	609544	6106417	1188.67	229.53	1188.27	0.43	0.43	231	609545	6106417	1186.88	232.82	1185.16	1.82	1.82
PC09-34	1387.52	12.1	1375.42	partial	214.21	609858	6106234	1177.29	214.81	1176.7	0.6	0.6	219.88	609859	6106235	1171.78	221.82	1169.9	1.94	1.94
-----Fault established at 230.80 to 230.90																				
PC09-34	1387.52	12.1	1375.42	partial																
PC09-35	1083.39	42.5	1040.89	yes																
PC09-36	1123.94	5.8	1118.14	partial	107.55	611122	6106718	1029.21	108	1028.82	0.45	0.45	113.5	611124	6106720	1023.92	114.06	1023.42	0.56	0.56
-----Fault possible at 130.4 to 130.6																				
PC09-36	1123.94	5.8	1118.14	partial																
PC09-37	1108.5	7.8	1100.7	yes	44.85	610763	6106950	1063.71	45.25	1063.31	0.4	0.4	51.28	610763	6106951	1057.34	52.09	1056.54	0.81	0.81
PC09-38	1164.43	35.8	1128.63	partial																
-----Fault possible at 106.55 to 106.70																				
PC09-38	1164.43	35.8	1128.63	partial	109.9	610469	6106893	1054.73	110.32	1054.31	0.42	0.42	114.8	610469	6106893	1049.87	115.53	1049.15	0.73	0.73
PC09-UC	1169.1	5.45	1163.65	partial	104.5	610219	6107219	1064.6	104.9	1064.2	0.4	0.4	108.65	610219	6107219	1060.45	109.25	1059.85	0.6	0.6
Borehole	Elevation	Drift	Rockhead	repicked?	G-roof	Easting	Northing	Elevation	G-floor	Elevation	G-net	G-gross	J1-roof	Easting	Northing	Elevation	J1-floor	Elevation	J1-net	J1-gross

Drilled net/gross thicknesses and subsurface positions of coal beds G and J1: **Table B-3 (concluded)**

Borehole	Elevation	Drift	Rockhead	repicked?	G-roof	Easting	Northing	Elevation	G-floor	Elevation	G-net	G-gross	J1-roof	Easting	Northing	Elevation	J1-floor	Elevation	J1-net	J1-gross
PC13-01C	1259.2	2.45	1256.75	yes	151.2	610956	6105246.44	1108	152.1	1107.1	0.9	0.9	159.7	610956	6105246.44	1099.5	161.1	1098.1	1.4	1.4
PC13-02C	1300.34	0.8	1299.54	yes	71.91	610721.36	6104794.67	1228.43	72.67	1227.67	0.76	0.76	78.8	610721.26	6104794.57	1221.55	79.95	1220.4	1.15	1.15
PC13-03C	1425.4	3.33	1422.07	yes																
-----Fault			at 53.57	to 53.79																
PC13-03C	1425.4	3.33	1422.07	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PC13-04C	1425.17	0	1425.17	yes																
-----Fault			at 21.09	to 22.02																
PC13-04C	1425.17	0	1425.17	yes																
-----Fault			at 22.85	to 23.22																
PC13-04C	1425.17	0	1425.17	yes																
-----Fault			at 88.95	to 89.05																
PC13-04C	1425.17	0	1425.17	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PC13-05C	1383.23	2.8	1380.43	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PC13-AR01	1383.23	7.3	1329.1	yes																
-----Fault			at 127.8	to 128.08																
PC13-AR01	1383.23	7.3	1329.1	yes	154.46	610746.69	6105053.14	1183.71	155.15	1183.04	0.69	0.69	162.12	610745.72	6105051.74	1146.25	163.5	1174.91	1.38	1.38
PC13-AR02	1234.69	18.5	1216.19	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
PC13-AR03	1308.07	9.15	1298.92	yes	160.71	610714.52	6105305.67	1148.36	161.48	1147.6	0.77	0.77	167.8	610713.79	6105304.82	1141.35	168.96	1140.21	1.16	1.16
PC13-AR04	1184.3	56.9	1127.4	yes	191.02	611168.02	6105928.11	993.68	191.71	993	0.69	0.69	204.18	611166.66	6105927.33	980.62	205.2	979.6	1.02	1.02
PC13-AR05	1115.59	30.45	1085.14	yes																
-----Fault			at 41.15	to 41.25																
PC13-AR05	1115.59	30.45	1085.14	yes	175.25	611372.62	6106135.85	942.77	175.53	942.5	0.28	0.28	182.27	611371.19	6106135.04	935.97	183.65	934.63	1.38	1.38
Borehole	Elevation	Drift	Rockhead	repicked?	G-roof	Easting	Northing	Elevation	G-floor	Elevation	G-net	G-gross	J1-roof	Easting	Northing	Elevation	J1-floor	Elevation	J1-net	J1-gross

Drilled net/gross thicknesses and subsurface positions of coal beds J2U through J3: **Table B-4**

Borehole	Elevation	Drift	Rock-head	repick-ed?	J2U-roof	Easting	Northing	Elevation	J2U-floor	Elev-ation	J2U-net	J2U-gross	J2L-roof	Easting	Northing	Elevation	J2L-floor	Elevation	J2L-net	J2L-gross	J3-roof	Easting	Northing	Elevation	J3-floor	Elevation	J3-net	J3-gross	TD
QWD7115	1286.1	18.29	1267.81	yes	151.79	610309.	6106232	1131.82	153.98	1132.12	2.19	2.19	155.45	610309	6106232	1129.93	156.3	1129.08	0.85	0.85	160.36	610309	6106232	1125.74	162.76	1123.34	2.4	2.4	444.54
QWD7117	1286.4	36.27	1250.13	partial	107.84	609530	6106946	1178.56	108.2	1177.9	0.36	0.36	111.86	609530	6106946	1174.54	113.42	1172.98	1.26	1.56	120.4	609530	6106946	1166	122.53	1163.87	2.13	2.13	397
QWD7118	1181.5	30.48	1151.02	partial	140.82	610259	6106986	1040.68	142.62	1038.88	1.8	1.8	144.78	610259	6106986	1036.72	146	1035.5	1.22	1.22	150.27	610259	6106986	1031.23	152.7	1028.8	2.43	2.43	175.86
QWD7119	1212.5	23.16	1189.34	yes	169.9	610944	6105794	1042.6	171.82	1040.68	1.6	1.92	171.82	610944	6105794	1040.68	173.46	1039.04	1.64	1.64	175.78	610944	6105794	1036.72	177.55	1034.95	1.77	1.77	197.21
QWD7120	1206.3	39.93	1179.27	partial	161.24	609985	6107335	1045.06	161.54	1044.76	0.3	0.3	164.59	609985	6107335	1041.71	165.2	1041.1	0.61	0.61	173.13	609985	6107335	1033.17	175.72	1030.58	2.59	2.59	191.11
QWD7121	1219.2	9.39	1209.81	yes	41.76	609199	6107327	1177.44	42.67	1176.53	0.91	0.91	45.48	609199	6107327	1173.72	46.94	1172.26	1	1.46	52.94	609199	6107327	1166.26	54.89	1164.31	1.95	1.95	169.77
QWD7402	982	2.9	979.1	yes	86.41	611239	6103427	895.59	87.84	894.16	1.09	1.43	88.36	611239	6103427	893.64	89.49	892.51	1.13	1.13	90.1	611239	6103427	891.9	93.18	888.82	3.08	3.08	124
QPD88001	1071.41	2.45	1068.96	partial	145.7	611780	6106275	925.75	146.8	927.61	1.1	1.1	146.8	611780	6106275	924.61	149.18	922.27	2.38	2.38	151.32	611780	6106275	920.14	154.23	917.23	2.91	2.91	171
QPD88002	1099.5	11.02	1088.48	yes	171.08	611465	6105857	928.42	173.12	926.38	1.88	2.04	173.16	611465	6105857	926.34	174.69	924.81	1.53	1.53	176.6	611465	6105857	922.9	178.84	920.66	2.24	2.24	194.14
QPR88001	1135.05	1	1134.05	partial	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	181.8
QPR88002	1101.47	3	1098.47	partial	141.81	611454	6106522	960.14	143.08	958.39	1.27	1.27	143.08	611454	6106522	958.39	144.48	956.99	1.4	1.4	150	611454	6106522	952	151.36	950.85	1.36	1.36	171.3
QPR88004	1092.31	2.1	1090.21	yes	58	611402	6106741	1034.31	59.32	1032.99	1.32	1.32	59.32	611402	6106741	1032.99	60.58	1031.73	1.26	1.26	64.93	611402	6106741	1027.38	67.32	1024.99	2.39	2.39	71
PRH01-1C	1126.29	8.05	1118.24	yes	148.95	611309	6105704	977.38	150.7	975.63	1.55	1.75	150.7	611309	6105704	975.63	152.6	973.73	1.9	1.9	154.42	611309	6105704	970.91	156.75	969.59	2.33	2.33	162.5
PRH01-2	1063.53	1.3	1062.23	yes	179.8	611578	6105996	884.2	181.65	882.36	1.85	1.85	181.65	611578	6105996	882.36	183.25	880.78	1.6	1.6	185.7	611578	6105995	878.34	188	876.06	2.3	2.3	196.15
PRH01-4C	1101.73	4.15	1097.58	partial	92.5	611914	6106439	1009.71	93.9	1008.33	1.4	1.4	93.9	611914	6106440	1008.33	95	1007.25	1.1	1.1	97.85	611914	6106440	1004.44	99.95	1002.38	2.1	2.1	104.6
PRH01-5	1036.96	14.7	1022.26	partial	150.45	611719	6106201	886.65	151.68	885.42	1.23	1.23	151.68	611719	6106201	885.42	153.5	883.62	1.82	1.82	155.78	611720	6106202	881.34	158	879.13	2.22	2.22	163.69
PRH01-6	1297.57	1	1296.57	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	192.9
PRH01-7	1227.59	1.65	1225.94	yes	182.95	610814	6106039	1044.91	185.4	1042.46	2.45	2.45	185.63	610814	6106039	1042.23	187	1040.87	1.37	1.37	189.8	610814	6106038	1038.09	192.35	1035.55	2.55	2.55	209.09
PRH01-8	1172.7	2.75	1169.95	yes	186.4	610975	6106232	986.61	188.35	984.67	1.82	1.95	188.35	610975	6106232	984.67	189.78	983.24	1.43	1.43	192.84	610975	6106232	980.2	195.12	977.93	2.28	2.28	200.44
PRH01-9	1066.33	2.7	1063.63	yes	102.4	611604	6105367	963.94	104.45	961.89	2.05	2.05	104.45	611604	6105367	961.89	105.95	960.39	1.5	1.5	107.33	611604	6105367	959.01	109.85	956.49	2.52	2.52	130.19
PRH01-10	1169.06	1.7	1167.36	yes	107.7	611243	6105039	1061.54	109.85	1059.4	2.15	2.15	109.85	611243	6105039	1059.4	111.35	1057.91	1.5	1.5	112.7	611242	6105039	1056.57	115	1054.28	2.3	2.3	124
PRH01-11	979.29	2.35	976.94	yes	90.75	611989	6105694	888.66	93.4	886.02	2.65	2.65	93.4	611989	6105694	886.02	94.8	884.62	1.4	1.4	96.35	611989	6105694	883.08	98.62	880.82	2.27	2.27	104.59
PRH01-12	1015.08	2.2	1012.88	yes	106	611782	6105617	909.28	108.32	906.97	2.32	2.32	108.32	611781	6105617	906.97	109.8	905.49	1.48	1.48	111.55	611781	6105617	903.75	113.82	901.49	2.27	2.27	116.99
PRH01-13	1165.41	2.5	1162.91	yes	141.67	611184	6105510	1023.78	143.9	1021.55	2.23	2.23	143.9	611184	6105510	1021.55	145.38	1020.07	1.48	1.48	147.2	611183	6105510	1018.25	149.5	1015.95	2.3	2.3	159.39
PRH01-14	1117.52	2.6	1114.92	partial	171.9	611277	6106559	946.02	173.3	944.62	1.4	1.4	173.3	611277	6106559	944.62	174.15	943.78	0.85	0.85	177.55	611277	6106560	940.39	179.75	938.21	2.2	2.2	190
PRH01-15	1270.18	9	1261.18	yes	168.78	610878	6105372	1101.46	171.1	1099.14	2.32	2.32	171.3	610878	6105372	1098.94	172.5	1097.74	1.2	1.2	174.28	610878	6105372	1095.97	176.6	1093.65	2.32	2.32	190
PRH01-16C	1121.3	3	1118.3	yes	199.55	611146	6106391	922.08	201.06	920.57	1.51	1.51	201.26	611146	6106391	920.37	202.2	919.44	0.94	0.94	205.95	611145	6106391	915.71	208.35	913.31	2.4	2.4	208.99
PRH02-09	1099.01	3.2	1095.81	partial	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	71.3
PRH02-10C	1089.53	3	1086.53	yes	47.9	611630	6106721	1041.65	49.2	1040.36	1.3	1.3	49.2	611630	6106721	1040.36	50.45	1039.11	1.25	1.25	55.85	611630	6106721	1033.71	58.1	1031.46	2	2.25	62.75
PRH02-11	1375.19	1.8	1373.39	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	118.8
PRH02-12	1366.63	3.1	1363.53	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	99.9
PRH02-13	1326.72	2.6	1324.12	yes	101.35	610696	6104770	1225.46	103.85	1222.96	2	2.5	104	610696	6104770	1222.81	105.3	1221.53	1.05	1.3	106.45	610697	6104770	1220.38	108.75	1218.09	2.3	2.3	113.7
PRH02-14	1306.88	4	1302.88	yes	113.7	610804	6104888	1193.39	115.75	1191.36	2.05	2.05	116.1	610804	6104888	1191.01	117.3	1189.82	1.2	1.2	118.65	610804	6104887	1188.47	120.8	1186.34	2.15	2.15	125.6
PRH02-16	1289.57	1	1288.57	yes	39.9	610935	6104529	1249.67	42.2	1247.37	1.8	2.3	42.5	610935	6104529	1247.07	43.75	1245.82	1.25	1.25	44.85	610935	6104529	1244.72	47	1242.57	2	2.15	52.5
PRH02-17	1296.69	1.5	1295.19	yes	56.55	610893	6104430	1240.14	59.3	1237.39	2.4	2.75	59.7	610893	6104430	1236.99	60.9	1235.79	1.2	1.2	62.1	610893	6104430	1234.59	65.35	1231.34	3.1	3.25	71.02
PRH02-18C	1287.11	1.65	1285.46	yes	43.24	610932	6104656	1242.07	45.2	1241.91	1.84	1.96	45.58	610932	6104656	1241.53	46.6	1240.51	1.02	1.02	48.4	610932	6104656	1238.71	50.21	1236.9	1.82	1.82	50.25
PRH02-19	1098.63	2.6	1096.03	yes	36.5	611999	6106554	1062.13	38.4	1060.23	1.9	1.9	38.4	611999	6106554	1060.23	39.1	1059.53	0.7	0.7	42.2	611999	6106554	1056.43	44.8	1053.83	1.6	2.6	48.54
PRH02-20C	1100.97	1.2	1099.77	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	19
PRH2003-1C	1095.66	2.1	1093.56	yes	181.4	611493	6105917	914.34	183.4	912.34	1.83	2	183.5	611493	6105917	912.24	185.25	910.49	1.75	1.75	187.48	611493	6105917	908.27	189.7	906.05	2.22	2.22	195.84
PRH2003-2C	1125.97	2.7	1123.27	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	105.52
PRH2003-3	1000.8	1	999.8	yes	117.5	611797	6105806	883.54	120	881.05	2.5	2.5	120	611797	6105806	881.05	121.98	879.08	1.98	1.98	123.7	611797	6105806	877.37	125.83	875.25	2.13	2.13	132
PCR2005-01	910.04	3.2	906.84	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	106.43
PCR2005-02	926.03	2.8	923.23	n																									109.39
PC2006-02	1212.36	2.1	1210.26	yes	93.96	611150	6104835	1118.88	96.18	1116.69	2.22	2.22	96.18	611150	6104835	1116.69	97.33	1115.57	1.15	1.15	98.65	611150	6104834	1114.26	100.94	1112	2.29	2.29	109.7
Borehole	Elevation	Drift	Rock-head	repick-ed?	J2U-roof	Easting	Northing	Elevation	J2U-floor	Elevation	J2U-net	J2U-gross	J2L-roof	Easting	Northing	Elevation	J2L-floor	Elevation	J2L-net	J2L-gross	J3-roof	Easting	Northing	Elevation	J3-floor	Elevation	J3-net	J3-gross	TD

Drilled net/gross thicknesses and subsurface positions of coal beds J2U through J3: **Table B-4 (continued)**

Borehole	Elevation	Drift	Rock-head	repick-ed?	J2U-roof	Easting	Northing	Elevation	J2U-floor	Elevation	J2U-net	J2U-gross	J2L-roof	Easting	Northing	Elevation	J2L-floor	Elevation	J2L-net	J2L-gross	J3-roof	Easting	Northing	Elevation	J3-floor	Elevation	J3-net	J3-gross	TD
DH2006-03	1283.74	2.6	1281.14	yes	92.52	610896	6104799	1191.22	95.01	1188.73	2.49	2.49	93.96	610896	6104799	1189.78	95.07	1188.67	1.11	1.11	96.59	610896	6104799	1187.15	98.6	1185.14	2.01	2.01	108.2
DH2006-08	1301.33	2.55	1298.78	yes	109.1	610807	6104692	1192.23	111.45	1189.88	2.35	2.35	111.45	610807	6104692	1189.88	112.95	1188.38	1.45	1.45	114.2	610807	6104692	1187.13	116.45	1184.88	2.25	2.25	120
PC2006-09	1300.79	2.38	1298.41	yes	80.69	610791	6104770	1220.1	82.8	1217.99	2.11	2.11	82.94	610791	6104770	1217.85	84.1	1216.69	1.16	1.16	85.22	610791	6104770	1215.57	87.36	1213.43	2.14	2.14	89.23
DH2006-10	1301.92	2.4	1299.52	yes	51.97	610866	6104680	1249.95	54.78	1247.14	2.81	2.81	54.78	610866	6104680	1247.14	55.9	1246.02	1.12	1.12	57.19	610866	6104680	1244.73	59.3	1242.62	2.11	2.11	81.9
DH2006-11	1302.97	2.3	1300.67	yes	53.85	610886	6104560	1249.12	59.9	1243.07	6.05	6.05	60.05	610886	6104560	1242.92	61.6	1241.37	1.55	1.55	63.5	610886	6104560	1239.47	65.6	1237.37	2.1	2.1	
DH2006-13	1301.31	2.35	1298.96	yes	50.1	610805	6104626	1251.21	52.5	1248.81	2.2	2.4	52.55	610805	6104626	1248.76	53.7	1247.61	1.15	1.15	55	610805	6104626	1246.31	57.4	1243.91	2.4	2.4	66.36
PR2006-01	1304.6	1.15	1303.45	yes	113.4	610684	6104541	1208.62	115.47	1208.62	2.07	2.07	115.52	610685	6104542	1206.92	116.56	1206.13	1.04	1.04	117.7	610687	6104543	1205.24	119.8	1203.55	2.1	2.1	173.73
PR2006-02	1269.31	2.55	1266.76	yes	87.55	610832	6104344	1194.07	89.22	1193.5	1.67	1.67	89.32	610832	6104344	1193.42	90.5	1191.6	1.18	1.18	91.95	610833	6104345	1190.37	93.3	1189.21	1.35	1.35	138.68
PR2006-03	1206.73	0.8	1205.93	yes	86.45	610926	6104174	1133.71	88.6	1131.99	2.15	2.15																	
-----Fault probable at 88.6 to 88.88																faulted-out													
PR2006-03	1206.73	0.8	1205.93	yes																	89.65	610927	6104176	1131.15	91.52	1129.65	1.87	1.87	16.65
PR2006-04	1223.8	0.8	1223	yes																									
-----Fault possible at 71.15 to 71.2																													
PR2006-04	1223.8	0.8	1223	yes																									
-----Fault at 123.25 to 123.3					faulted-out																								
PR2006-04	1223.8	0.8	1223	yes									123.35	610771	6104270	1117.73	124.16	1117.06	0.81	0.81	124.98	610772	6104270	1116.4	126.3	1115.35	1.32	1.32	136.24
PR2006-05	1147.7	2.4	1145.3	yes	145.53	610844	6104083	1025.79	147.87	1023.91	2.34	2.34	148	610845	6104084	1023.81	149.08	1022.95	1.08	1.08	150.1	610846	6104085	1022.11	152.3	1020.33	2.2	2.2	162.44
PR2006-06	1147.63	1.8	1145.83	yes	168.28	610795	6104038	980.55	171.05	977.88	2.77	2.77	171.47	610796	6104039	977.47	172.58	976.4	1.11	1.11	173.79	610796	6104039	975.23	176.2	972.91	2.41	2.41	180.75
PR2006-07	1124.38	1.6	1122.78	yes	91.69	610954	6104004	1048.73	93.57	1047.25	1.88	1.88	93.57	610955	6104004	1047.25	94.55	1046.48	0.98	0.98	95.45	610955	6104005	1045.8	97.31	1044.41	1.86	1.86	122.6
PR2006-08	1122.83	2.55	1120.28	yes	114.29	610932	6103954	1009.03	117.37	1006	3.08	3.08	117.37	610933	6103954	1006	118.83	1004.58	1.46	1.46	119.73	610933	6103953	1003.69	122.27	1001.21	2.54	2.54	128.75
PR2006-09	1068.1	0.5	1067.6	yes	95.76	610952	6103890	986.54	98.4	984.35	2.64	2.64	98.87	610954	6103891	983.97	99.8	983.22	0.93	0.93	100.8	610955	6103891	982.39	102.92	980.72	2.12	2.12	118.87
PR2006-10	1068.19	0.9	1067.29	yes																									
-----Fault possible at 83.6 to 83.8																													
PR2006-10	1068.19	0.9	1067.29	yes	117.7	610908	6103864	950.49	119.68	948.51	1.98	1.98	120.08	610908	6103864	948.11	121.2	946.99	1.12	1.12	122	610908	6103864	946.19	125.07	943.12	3.07	3.07	168.29
PR2006-11	1046.58	1.6	1044.98	yes	97.34	611018	6103749	949.08	99.81	946.61	2.47	2.47	99.81	611018	6103749	946.61	101.27	945.15	1.46	1.46	102.18	611018	6103749	944.24	105.05	941.37	2.87	2.87	112.7
PR2006-12	1046.42	0.9	1045.52	yes	76.28	611056	6103776	982.68	78.41	981.02	2.13	2.13	78.41	611056	6103777	981.02	79.92	979.85	1.51	1.51	80.75	611058	6103778	979	82.83	977.63	2.08	2.08	100.12
PR2006-13	1014.08	2.6	1011.48	yes	85.85	611146	6103599	928.82	86.65	928.06	0.65	0.8																	
-----Fault possible at 86.65 to 86.8																													
PR2006-13	1014.08	2.6	1011.48	yes																	faulted-out								170.38
PR2006-14	1014.04	2.15	1011.89	yes	64.39	611160	6103630	960.58	66.02	959.35	1.63	1.63	66.02	611160	6103630	959.35	67.6	958.12	1.58	1.58	68.09	611161	6103631	957.74	72.35	954.43	4.26	4.26	83.82
PR2006-15	952.67	0.7	951.97	yes																									80.77
-----Fault possible at 11.2 to 11.5																													
PR2006-15	952.67	0.7	951.97	yes																									
PR2006-16	1058.63	8.2	1050.43	yes																									
-----Fault established at 95.8 to 95.92																													
PR2006-16	1058.63	8.2	1050.43	yes	141.3	610764	6103757	939.15	143.8	937.29	2.5	2.5	143.95	610763	6103755	937.18	146.18	935.51	2.23	2.23	147.1	610762	6103754	934.82	150.48	932.29	3.38	3.38	157.55
PR2006-17	1059.49	5.8	1053.69	yes																									190.5
PR2006-18	1103.28	2	1101.28	yes																									196.5
PR2006-19	1086.15	21.2	1064.95	yes																									173.7
PR2006-20	988.73	*no geophysical logs*		no																									150
PR2006-21	1216.47	11.5	1204.97	partial	63.88	608832	6107263	1152.59	64.72	1151.75	0.84	0.84	67.8	608832	6107263	1148.67	69.5	1146.97	1.23	1.7	75.32	608832	6107263	1141.15	77.33	1139.14	2.01	2.01	108.2
PR2006-22A	1261.7	8.6	1253.1	partial	87.49	609070	6107108	1174.21	88.55	1173.15	1.06	1.06	92.05	609070	6107108	1169.65	92.22	1169.48	0.17	0.17	100.69	609070	6107108	1161.01	102.53	1159.17	1.84	1.84	141.7
PR2006-23	1208.45	12.3	1196.15	partial	54.45	608883	6107607	1154.1	55	1153.55	0.55	0.55	57.95	608883	6107608	1150.62	59.3	1149.24	0.77	1.35	63.85	608883	6107608	1144.73	65.9	1142.69	2.05	2.05	153.92
PR2006-24	1256.73	5.8	1250.93	partial	114.9	608625	6107738	1141.98	115.25	1141.64	0	0.35	120.7	608625	6107738	1136.19	121.05	1135.85	0.35	0.35	128.15	608626	6107738	1128.76	130.12	1126.8	1.97	1.97	145
Borehole	Elevation	Drift	Rock-head	repick-ed?	J2U-roof	Easting	Northing	Elevation	J2U-floor	Elevation	J2U-net	J2U-gross	J2L-roof	Easting	Northing	Elevation	J2L-floor	Elevation	J2L-net	J2L-gross	J3-roof	Easting	Northing	Elevation	J3-floor	Elevation	J3-net	J3-gross	TD

Drilled net/gross thicknesses and subsurface positions of coal beds J2U through J3: **Table B-4 (continued)**

Borehole	Elevation	Drift	Rock-head	repick-ed?	J2U-roof	Easting	Northing	Elevation	J2U-floor	Elevation	J2U-net	J2U-gross	J2L-roof	Easting	Northing	Elevation	J2L-floor	Elevation	J2L-net	J2L-gross	J3-roof	Easting	Northing	Elevation	J3-floor	Elevation	J3-net	J3-gross	TD
PR2006-25	1359.16	5.9	1353.26	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	150.74
PR2006-26	1347.11	2.9	1344.21	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	150.34
PR2006-27	1225.6	17.9	1207.7	partial	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	93.09
PR2006-28	1238.21	8.8	1229.41	partial	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	135.6
PR2006-29	1324.58	6.8	1231.41	partial	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	163.06
PC2007-02C	1240.58	0	1240.58	yes	10.29	610862	6104705	1230.29	12.7	1227.88	2.41	2.41	13.05	610862	6104705	1227.53	14.45	1226.13	1.4	1.4	15.85	610862	6104705	1224.73	17.25	1223.33	1.4	1.4	19.3
PC2007-03C	1240.69	0	1240.69	yes	28.59	610881	6104737	1212.1	30.6	1210.09	2.01	2.01	30.6	610881	6104737	1210.09	32	1208.69	1.4	1.4	33.35	610881	6104737	1207.34	35.54	1205.15	2.19	2.19	40.48
PC2007-04C	1240.3	0	1240.3	yes	40.45	610897	6104764	1199.85	43.14	1197.16	2.69	2.69	43.16	610897	6104764	1197.14	44.48	1195.82	1.32	1.32	45.9	610897	6104764	1194.4	48.26	1192.04	2.36	2.36	51.13
PC2007-05C	1240.51	0	1240.51	yes																	0.55	610912	6104664	1239.96	2.6	1237.91	2.05	2.05	19.81
PC2007-06C	1240.23	0	1240.23	yes	8.2	610929	6104683	1232.03	11.5	1228.73	3.22	3.3	11.68	610929	6104683	1228.55	13.3	1226.93	1.62	1.62	15.4	610929	6104683	1224.83	17.88	1222.35	2.48	2.48	19.81
PC2007-07C	1240.12	0	1240.12	yes																									
-----Fault possible at 9.95 to 9.97																													
PC2007-07C	1240.12	0	1240.12	yes	29.05	610947	6104706	1211.07	31.75	1208.37	2.52	2.7	31.9	610947	6104706	1208.22	33.3	1206.82	1.4	1.4	34.75	610947	6104706	1205.37	37.09	1203.03	2.34	2.34	39.6
PC2007-12C	1239.36	0	1239.36	yes	5.92	611034	6104595	1233.44	8.25	1231.11	2.14	2.33	8.45	611034	6104595	1230.91	9.66	1229.7	1.21	1.21	10.73	611034	6104595	1228.63	12.98	1226.38	2.25	2.25	15.24
PC2007-14C	1238.73	0	1238.73	yes	5.2	611053	6104564	1233.53	7.4	1231.33	1.77	2.2	7.4	611053	6104564	1231.33	8.8	1229.93	1.4	1.4	10	611053	6104564	1228.73	11.24	1227.49	1.24	1.24	13.72
PC2007-18C	1240	0	1240	yes	63	610929	6104821	1177	65.6	1174.4	2.4	2.6	65.6	610929	6104821	1174.4	67.1	1172.9	1.5	1.5	68.35	610929	6104821	1171.65	70.35	1169.65	1.75	2	72.38
PC2007-20	1072.64	2.61	1070.03	partial	89.05	611604	6105183	983.64	91.24	981.4	2.19	2.19	91.24	611604	6105183	981.4	92.44	980.2	1.2	1.2	93.86	611604	6105183	978.78	96.07	976.57	2.21	2.21	112.17
PC2007-21	1093.83	1.4	1092.43	partial	105.97	611479	6105326	987.86	107.42	986.41	1.45	1.45	107.42	611479	6105326	986.41	107.9	985.93	1.48	1.48	110.55	611479	6105326	983.28	112.63	981.2	2.08	2.08	118.87
PC2007-22	1075.3	0	1075.3	yes	81.32	611598	6105091	993.98	83.36	991.94	2.04	2.04	83.36	611598	6105091	991.94	84.9	990.4	1.54	1.54	86.35	611598	6105091	988.95	88.64	986.66	2.29	2.29	91.44
PC2007-23C	1175.29	0	1175.29	yes	78.8				80.5		1.7	1.7	80.5				82.08		1.58	1.58	83.46				85.81		2.35	2.35	87.36
PC2007-24C	1206.86	0	1206.86	yes	69.63				71.6		1.97	1.97	71.6				73.15		1.55	1.55	74.2				76.51		2.31	2.31	79.84
PC2007-34C	1080.23	3.85	1076.38	yes	41.78				44.05		2.27	2.27	44.05				45.46		1.41	1.41	46.86				49.12		2.26	2.26	51.24
PC2007-36	1101.9	2.35	1099.55	yes	69.58	611805	6106623	1032.6	71.05	1031.14	1.47	1.47	71.05	611805	6106623	1031.14	71.7	1030.5	0.65	0.65	74.86	611806	6106624	1027.37	77	1025.25	2.14	2.14	96.01
PC2007-37	1107.21	2.3	1104.91	partial	93.01	611751	6106546	1014.7	94.95	1012.79	1.94	1.94	94.95	611751	6106546	1012.79	95.98	1011.78	1.03	1.03	99.19	611752	6106546	1008.62	101.2	1006.64	2.01	2.01	108.2
PC2007-38	1102.83	1.3	1101.53	yes	68.55	612093	6106366	1034.44	70.08	1032.92	1.53	1.53	70.08	612093	6106366	1032.92	71.07	1031.93	0.99	0.99	74	612093	6106366	1029.03	76.42	1026.62	2.42	2.42	91.44
PC2007-40	1062.24	2.1	1060.14	partial	135	611945	6106189	929.62	136.64	928.05	1.64	1.64	136.64	611945	6106189	928.05	137.51	927.22	0.87	0.87	139.75	611946	6106190	925.06	141.9	923	2.15	2.15	150.88
PC2007-41	1012.71	2.2	1010.51	yes	58.95	612322	6105898	952.82	60.85	951.92	1.9	1.9	60.85	612322	6105898	951.92	62.12	950.66	1.27	1.27	64.21	612323	6105899	948.58	66.72	946.08	1.51	1.51	74.68
PC2007-42	1019.89	2.7	1017.19	partial	137.19	611871	6106078	883.9	138.52	881.65	1.33	1.33	138.52	611871	6106078	881.65	139.93	881.24	1.41	1.41	142.21	611872	6106079	879.02	144.29	877.01	2.08	2.08	149.35
PC2007-45	1037.62	20.7	1016.92	yes	177.58	611660	6106137	863.45	179.18	861.92	1.6	1.6	179.18	611660	6106137	861.92	180.32	860.85	1.14	1.14	183.15	611661	6106138	858.17	185.27	856.17	2.12	2.12	192.02
PC2007-46	1101.65	2.71	1098.94	yes	40.9	611870	6106708	1060.87	42.35	1059.43	1.45	1.45	42.35	611870	6106708	1059.43	43.55	1058.24	1.2	1.2	46.6	611870	6106709	1055.21	48.82	1053	2.22	2.22	51.82
PC2007-47	1101.54	1.7	1099.84	yes	108	612030	6106288	994.87	109.45	993.49	1.45	1.45	109.45	612030	6106288	993.49	110.5	992.48	1.05	1.05	113.25	612031	6106289	989.87	115.3	987.92	2.05	2.05	133.73
PC2007-50C	1093.93	2.15	1091.68	yes	46.6	611709	6106740	1047.33	47.85	1046.08	1.25	1.25	47.85	611709	6106740	1046.08	48.86	1045.07	1.01	1.01	53.3	611709	6106740	1040.63	55.52	1038.41	2.22	2.22	59.44
PC2007-51C	1097.04	2.45	1094.59	yes	31.61	612041	6106525	1065.43	33	1064.05	1.39	1.39	33	612041	6106525	1064.05	34.24	1062.8	1.24	1.24	37.9	612041	6106525	1059.14	40.21	1056.83	2.31	2.31	44.19
PC2007-53C	1095.18	2.15	1093.03	partial	113.63	611688	6106468	981.65	115.19	980.07	1.54	1.54	115.19	611688	6106468	980.07	116.16	979.1	0.97	0.97	118.85	611688	6106468	976.41	121.22	974.04	2.37	2.37	124.97
PC2007-54C	1096.13	0.85	1095.28	yes	50.75	611728	6106767	1057.2	52.15	1056.09	1.4	1.4	52.15	611729	6106767	1056.09	53	1055.51	0.85	0.85	58.49	611731	6106771	1051.3	60.81	1049.56	2.32	2.32	67.01
PC2007-55C	1104	2.25	1101.75	partial	124.62	612160	6106130	979.4	126.16	977.86	1.54	1.54	126.16	612160	6106130	977.86	127.41	976.61	1.25	1.25	129.99	612160	6106130	974.03	132.75	971.27	2.76	2.76	137.47
PC2007-58C	1017.66	3.6	1014.06	yes	146.75	611730	6105938	870.94	149.56	868.13	2.81	2.81	149.56	611730	6105938	868.13	150.74	866.95	1.18	1.18	153.14	611730	6105938	864.55	156.11	861.58	2.97	2.97	157.37
PC2007-59	1096.99	1.2	1095.79	yes	30.72	612052	6106542	1073.45	32.4	1072.17	1.68	1.68	32.4	612053	6106543	1072.17	33.52	1071.32	1.12	1.12	37	612055	6106546	1068.64	39.12	1067.02	2.12	2.12	43.59
PC2007-63C	1284.05	1.1	1282.95	yes	97.18	610824	6104334	1186.88	100.08	1183.98	2.8	2.9	100.08	610824	6104334	1183.98	101.74	1182.32	1.66	1.66	103.25	610824	6104335	1180.81	106.35	1177.71	3.1	3.1	109.95
PC2007-64C	1286.11	2.8	1283.31	yes	44.45	610918	6104440	1241.66	46.53	1239.58	2.08	2.08	46.53	610918	6104440	1239.58	47.88	1238.23	1.35	1.35	49.23	610918	6104440	1236.88	51.38	1234.73	2.15	2.15	52.02
PC2007-65C	1276.4	1.7	1274.7	yes	67.16	610947	6104323	1226.1	69.58	1224.31	2.17	2.42	69.74	610948	6104323	1224.19	71.38	1222.97	1.64	1.64	72.65	610951	6104323	1222.02	77.11	1218.7	4.46	4.46	81.79
PC2007-66C	1286.03	2.45	1283.58	yes																									
-----Fault at 22.92 to 23.17																													
PC2007-66C	1286.03	2.45	1283.58	yes	54.7	610954	6104448	1243.74	57.6	1241.48	2.58	2.9	57.9	610956	6104448	1241.25	59.36	1240.11	1.46	1.46	60.62	610958	6104448	1239.13	63.39	1236.96	2.77	2.77	63.92
Borehole	Elevation	Drift	Rock-head	repick-ed?	J2U-roof	Easting	Northing	Elevation	J2U-floor	Elevation	J2U-net	J2U-gross	J2L-roof	Easting	Northing	Elevation	J2L-floor	Elevation	J2L-net	J2L-gross	J3-roof	Easting	Northing	Elevation	J3-floor	Elevation	J3-net	J3-gross	TD

Drilled net/gross thicknesses and subsurface positions of coal beds J2U through J3: **Table B-4 (continued)**

Borehole	Elevation	Drift	Rock-head	repick-ed?	J2U-roof	Easting	Northing	Elevation	J2U-floor	Elevation	J2U-net	J2U-gross	J2L-roof	Easting	Northing	Elevation	J2L-floor	Elevation	J2L-net	J2L-gross	J3-roof	Easting	Northing	Elevation	J3-floor	Elevation	J3-net	J3-gross	TD
PC2007-67C	1276.44	2.35	1274.09	yes	59.81	610927	6104322	1222.27	62.68	1219.63	2.87	2.87	62.68	610928	6104322	1219.63	64.92	1217.62	2.24	2.24									
-----Fault at 64.92 to 64.94																													
PC2007-67C	1276.44	2.35	1274.09	yes									64.94	610929	6104322	1217.6	66.44	1216.23	1.5	1.5	67.61	610930	6104322	1215.17	70.66	1212.38	3.05	3.05	
-----Fault at 71.76 to 71.78																													
PC2007-67C	1276.44	2.35	1274.09	yes																									76.38
PC2007-68C	1286.02	2.4	1283.62	yes	47.85	610941	6104438	1242.77	49.94	1240.87	2.09	2.09	49.94	610942	6104438	1240.86	51.28	1239.64	1.34	1.34	52.71	610943	6104438	1238.34	54.87	1236.38	2.16	2.16	57.81
PC08-01	1238	7.3	1230.7	yes	55.15	609138	6107214	1182.87	56.01	1182.01	0.86	0.86	59.13	609138	6107214	1178.89	60.4	1177.62	0.73	1.27	67.71	609138	6107214	1170.32	69.75	1168.28	2.04	2.04	195.07
PC08-02	1214.27	11.2	1203.07	yes	62.49	609433	6107237	1151.81	63.03	1151.27	0.54	0.54	66.2	609433	6107237	1148.1	67.38	1146.92	0.81	1.18	75.36	609433	6107237	1138.95	77.48	1136.83	2.12	2.12	85.34
PC08-03	1226.74	42.4	1227.01	partial	130.28	609782	6107256	1096.46	130.95	1095.79	0.67	0.67	133.69	609782	6107256	1093.05	134.8	1091.94	0.91	1.11	142.75	609782	6107256	1083.99	144.95	1081.79	2.2	2.2	155.44
PC08-04	1216.98	13.4	1203.58	partial	130.65	609951	6107062	1086.33	131.45	1085.53	0.8	0.8	134.4	609951	6107062	1082.58	135	1081.98	0	0.6	142.6	609951	6107062	1074.38	144.65	1072.33	2.05	2.05	152.4
PC08-05C	1228.78	37.45	1191.33	partial	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	127.4
PC08-06C	1290.2	30.15	1260.05	partial																									
-----Fault possible at 97.75 to 98.10																													
PC08-06C	1290.2	30.15	1260.05	partial	119.12	609693	6106759	1171.1	120.8	1169.42	1.68	1.68	123.82	609693	6106759	1166.4	124.92	1165.3	1.1	1.1	129.25	609693	6106759	1160.97	131.6	1158.62	2.35	2.35	139.6
PC08-07	1333.82	8.5	1325.32	partial	164.13	609360	6106737	1171.63	164.95	1170.83	0.82	0.82	168	609360	6106738	1167.84	169.25	1166.61	0.91	1.25	173.6	609362	6106739	1162.35	175.99	1160.01	2.39	2.39	187.02
PC08-08C	1301.54	8	1293.54	partial	139.5	609168	6106932	1162.07	141.1	1160.47	1.6	1.6	144.12	609169	6106932	1157.45	145.7	1155.87	0.72	1.58	151.2	609169	6106932	1149.57	153.22	1148.35	2.02	2.02	165.5
PC08-09	1305.36	14.3	1291.06	partial	130.7	609850	6106485	1174.79	132.68	1172.82	1.72	1.98	134.9	609850	6106485	1170.6	135.9	1169.6	1	1	139.6	609850	6106485	1165.91	141.99	1163.52	2.39	2.39	164.5
PC08-10	1189.45	11.5	1177.95	partial	147.42	610545	6106539	1043.41	148.4	1042.44	0.98	0.98	149.41	610544	6106539	1041.43	150.32	1040.53	0.91	0.91	154.6	610544	6106539	1036.28	156.9	1033.99	2.3	2.3	200.03
PC08-11	1122.18	8.7	1113.48	partial																									
-----Fault possible at 53.20 to 53.78																													
PC08-11	1122.18	8.7	1113.48	partial																									
-----Fault probable at 124.00 to 124.60																													
PC08-11	1122.18	8.7	1113.48	partial	142.1	610815	6106875	982.88	143.5	981.53	1.07	1.4	144.3	610815	6106875	980.75	145.05	980.02	0.75	0.75	149.22	610816	6106877	976.01	151.46	973.85	2.24	2.24	158.49
PC08-12	1136.59	11.7	1024.89	partial																									
-----Fault possible at 124.68 to 124.90																													
PC08-12	1136.59	11.7	1024.89	partial	155.41	610427	6107184	986.15	155.78	985.82	0.37	0.37	158.5	610427	6107185	983.26	159.36	982.45	0.86	0.86	165.4	610429	6107186	976.85	168.18	974.29	2.78	2.78	171.54
PC08-13	*not drilled*																											not	drilled
PC08-14	1177.62	5.3	1172.32	partial	165.09	610018	6107507	1013.18	165.42	1012.86	0.33	0.33	168.45	610018	6107506	1009.86	169.4	1008.92	0.95	0.95	177.15	610017	6107515	1001.28	179.2	999.25	2.05	2.05	186
PC08-15	1185.88	8.85	1177.03	partial	99.45	609638	6107464	1086.59	100.16	1085.88	0.71	0.71	103.73	609638	6107463	1082.31	104.53	1081.52	0.8	0.8	110.62	609637	6107463	1075.44	112.92	1073.15	2.3	2.3	135
PC08-16	1384.13	11.75	1372.38	yes																									
-----Fault possible at 24.5 to 27.35																													
PC08-16	1384.13	11.75	1372.38	yes																									
-----Fault possible at 73.4 to 73.5																													
PC08-16	1384.13	11.75	1372.38	yes	228.8	610147	6106073	1155.64	231.62	1152.83	2.67	2.82	232.69	610147	6106074	1151.76	233.71	1150.74	1.02	1.02	237.4	610147	6106074	1147.06	239.29	1145.18	1.89	1.89	256.03
PC08-17	1363.96	5.9	1358.06	yes																									
-----Fault possible at 9.8 to 11.75																													
PC08-17	1363.96	5.9	1358.06	yes	223.36	610423	6105700	1141.53	225.88	1139.01	2.52	2.52	226.62	610423	6105700	1138.27	227.56	1137.24	0.94	0.94	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	228.97
PC08-18	1320.47	5.9	1314.57	yes	173.85	610654	6105326	1148.4	176.2	1146.11	2.35	2.35	176.65	610654	6105325	1145.67	178.1	1144.25	1.45	1.45	180.21	610653	6105324	1142.19	182.39	1140.06	2.18	2.18	258.24
WR-08-01	1145.34	1.5	1143.84	yes	67				69		2	2	69				70.38		1.38	1.38	71.85				74.55		2.7	2.7	83.18
PC09-01	1060.92	17.55	1043.37	yes	146.73	611572	6105806	914.72	149	912.46	2.27	2.27	149	611572	6105806	912.46	150.6	910.88	1.6	1.6	152.1	611572	6105805	909.39	154.2	907.3	2.1	2.1	162.42
PC09-02	1037.34	2.3	1035.04	yes	118.7	611658	6105674	918.87	120.51	917.06	1.81	1.81	120.51	611658	6105674	917.06	121.98	915.6	1.47	1.47	123.95	611658	6105674	913.64	126.09	911.51	2.14	2.14	134.9
PC09-03	1022.43	2.1	1020.33	yes	167.18	611718	6106071	856.84	168.9	855.16	1.72	1.72	168.9	611718	6106071	855.16	170.12	853.98	1.22	1.22	172.45	611719	6106072	851.7	174.71	849.49	2.26	2.26	180.35
PC09-04	1074.89	2.2	1074.89	yes	120.98	611500	6105579	954.02	123.05	952.46	2.07	2.07	123.05	611500	6105579	952.46	124.78	950.23	1.73	1.73	126.03	611499	6105578	948.99	128.23	946.79	2.2	2.2	133.43
PC09-05	1130.16	2.9	1127.26	yes	129.89	611353	6105400	1000.42	131.8	998.51	1.91	1.91	131.8	611353	6105400	998.51	133.05	997.27	1.25	1.25	134.75	611353	6105400	995.57	136.9	993.43	2.15	2.15	143.97
PC09-06	1138.84	3.05	1135.79	yes	134.85	611288	6105479	1004.32	136.74	1002.44	1.89	1.89	136.74	611288	6105479	1002.44	138.25	1000.94	1.51	1.51	140	611288	6105478	999.21	142.1	997.13	2.1	2.1	148.33
PC09-07	1172.71	2.45	1170.26	yes	143.52	611138	6105535	1029.36	145.4	1027.48	1.88	2	145.52	611138	6105535	1029.16	147	1025.88	1.48	1.48	148.85	611138	6105535	1024.04	151	1021.89	2.15	2.15	159.02
PC09-08	1188.42	0.25	1188.42	yes	132.67	611179	6105196	1055.99	135.05	1053.64	2.38	2.38	135.05	611179	6105196	1053.64	136.12	1052.57	1.07	1.07	137.6	611179	6105196	1051.11	139.71	1051	2.11	2.11	149.86
PC09-09	1207.16	0.8	1207.16	yes	148.08	611100	6105327	1059.4	150.08	1057.41	2	2	150.08	611100	6105327	1057.41	151.55	1055.96	1.47	1.47	153.3	611100	6105327	1054.22	155.4	1052.14	2.1	2.1	162.25
PC09-10	1255.82	4	1251.82	yes																									
-----Fault at 8.35 to 8.45																													
PC09-10	1255.82	4	1251.82	yes	156.45	610930	6105283	1099.79	158.79	1097.46	2.34	2.34	158.79	610930	6105283	1097.46	160.05	1096.21	1.26	1.26	161.75	610930	6105282	1094.53	164	1092.28	2.25	2.25	170.83
PC09-11	1260.68	2.1	1258.58	yes																									
-----Fault at 100.5 to 100.51																													
PC09-11	1260.68	2.1	1258.58	yes	154.32	610984	6105115	1107.2	156.5	1105.04	2.18	2.18	156.5	610984	6105115	1105.05	157.9	1103.67	1.4	1.4	159.42	610984	6105114	1102.17	161.7	1099.92	2.28	2.28	168.4
Borehole	Elevation	Drift	Rock-head	repick-ed?	J2U-roof	Easting	Northing	Elevation	J2U-floor	Elevation	J2U-net	J2U-gross	J2L-roof	Easting	Northing	Elevation	J2L-floor	Elevation	J2L-net	J2L-gross	J3-roof	Easting	Northing	Elevation	J3-floor	Elevation	J3-net	J3-gross	TD

Drilled net/gross thicknesses and subsurface positions of coal beds J2U through J3: **Table B-4 (continued)**

Borehole	Elevation	Drift	Rock-head	repick-ed?	J2U-roof	Easting	Northing	Elevation	J2U-floor	Elevation	J2U-net	J2U-gross	J2L-roof	Easting	Northing	Elevation	J2L-floor	Elevation	J2L-net	J2L-gross	J3-roof	Easting	Northing	Elevation	J3-floor	Elevation	J3-net	J3-gross	TD
PC09-12	1416.87	1.35	1415.52	yes	223.38	610528	6104918	1201.35	225.4	1199.42	2.02	2.02	225.76	610529	6104918	1199.08	226.87	1198.02	1.11	1.11	228.4	610530	6104918	1196.55	230.4	1194.64	2	2	240.79
PC09-13	1385.49	2.25	1385.49	yes																									
-----Fault at 14.75 to 15.00																													
PC09-13	1385.49	2.25	1385.49	yes	181.82	610575	6104988	1204.98	183.7	1203.13	1.88	1.88	184.09	610575	6104987	1202.74	185.15	1201.7	1.06	1.06	186.5	610575	6104987	1200.37	188.67	1198.24	2.17	2.17	196.55
PC09-14	1372.17	2.35	1369.82	yes																									
-----Fault at 9.3 to 9.6																													
PC09-14	1372.17	2.35	1369.82	yes	162.22	610575	6104863	1211.55	164.4	1209.39	2.18	2.18	164.86	610576	6104863	1208.93	166.15	1207.65	1.29	1.29	167.9	610576	6104862	1205.92	170.05	1203.79	2.15	2.15	178.3
PC09-15	1349.49	1.2	1348.29	yes	163.92	610644	6105096	1187.01	166.29	1184.69	2.37	2.37	166.29	610644	6105096	1184.69	167.65	1183.36	1.36	1.36	169.31	610644	6105096	1181.74	171.36	1179.73	2.05	2.05	180.27
PC09-16	1348.6	2.2	1346.4	yes	163.25	610714	6105032	1186.49	164.95	1184.43	1.7	1.7	165.07	610713	6105031	1184.71	166.57	1183.24	1.5	1.5	167.86	610713	6105031	1181.98	169.8	1180.08	1.94	1.94	177.51
PC09-17	1365.83	2.6	1363.23	yes	159.34	610614	6104681	1210.15	161.08	1208.49	1.74	1.74	161.4	610614	6104681	1208.2	162.48	1207.17	1.08	1.08	163.89	610615	6104681	1205.84	166	1203.85	2.11	2.11	174.68
PC09-18	1374.26	2.4	1371.86	yes																									
-----Fault at 55.70 to 55.85																													
PC09-18	1374.26	2.4	1371.86	yes	198.99	610556	6104629	1188.03	201.25	1186.02	1.87	2.26	201.6	610557	6104629	1185.72	202.78	1184.67	1.18	1.18	204.6	610558	6104630	1183.01	ND	ND	ND	ND	214.88
PC09-19	1214.37	23.75	1190.62	yes	169.55	610920	6105795	1045.52	171.7	1043.4	2.15	2.15	171.7	610920	6105795	1043.4	173.2	1041.92	1.5	1.5	175.05	610920	6105794	1040.09	177.25	1037.92	2.2	2.2	184.4
PC09-20	1154.97	2.1	1152.87	partial	114.8	610166	6107700	1044.23	115	1044.05	0.2	0.2	118.6	610167	6107701	1040.79	119.15	1040.28	0.55	0.55	126.35	610169	6107704	1033.82	128.5	1031.92	2.15	2.15	146
PC09-21	1162.53	17.95	1144.58	partial	168.4	610179	6107581	998.21	168.7	997.92	0.3	0.3	171.33	619179	6107562	994.46	172.21	994.64	0.88	0.88	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	176.78
PC09-22	1129.29	6	1123.29	yes	94.85	610557	6107300	1044.71	95.1	1044.49	0.25	0.25	97.7	610558	6107300	1042.12	98.62	1041.28	1.12	1.12	106.9	610561	6107303	1033.67	109	1031.73	2.1	2.1	117
PC09-23	1144.14	8.7	1135.44	partial	114.45	610430	6107491	1046.15	115.5	1045.31	0.78	1.05	117.3	610431	6107493	1043.84	118.05	1043.23	0.75	0.75	126.63	610435	6107496	1036.3	128.7	1034.65	2.07	2.07	140
PC09-24	1174.64	26.85	1147.79	partial	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	153
PC09-25	1192.53	19.6	1172.93	yes	63.35	609371	6107449	1129.19	63.9	1128.64	0.55	0.55	67.7	609371	6107449	1124.84	68.01	1124.53	0.31	0.31	73.56	609371	6107450	1118.98	75.61	1116.94	2.05	2.05	85
PC09-26	1258.15	6.65	1251.5	yes	70.75	609304	6107073	1187.42	71.8	1186.37	1.05	1.05	75.02	609304	6107073	1183.15	76.39	1181.78	0.95	1.37	82.72	609304	6107073	1175.46	84.95	1173.23	2.23	2.23	93
PC09-27	1295.31	0.8	1294.51	partial	155.4	608995	6107003	1146.55	156.65	1146.35	1.25	1.25	160.41	608996	6107005	1142.14	160.68	1141.88	0.27	0.27	167.4	608998	6107008	1135.94	169.68	1133.93	2.28	2.28	178
PC09-28	1324.5	11.7	1373.6	partial	250.22	608774	6106749	1074.56	251.69	1073.09	1.47	1.47	255.41	608774	6106749	1069.37	255.8	1068.99	0.39	0.39	267.37	608774	6106749	1057.42	269.85	1054.94	2.48	2.48	273.48
PC09-29	1338.61	5.8	1332.81	partial	202.65	609087	6106894	1143.35	204.2	1141.84	1.55	1.55	208.12	609088	6106896	1138.23	208.41	1137.97	0.29	0.29	214.78	609090	6106898	1132.11	217	1130.05	2.22	2.22	227.14
PC09-30	1385.3	2.85	1382.45	partial	215.87	608700	6106505	1186.87	216.24	1186.6	0.37	0.37	216.89	608699	6106505	1186.14	218.9	1184.69	1.48	2.01	228.4	608692	6106503	1178.12	229.7	1177.24	1.3	1.3	239.33
PC09-31	1371.18	5.6	1365.58	partial	242.14	609212	6106780	1147.65	243.2	1146.74	1.06	1.06	246.59	609214	6106782	1143.8	247.95	1142.61	0.96	1.36	253.4	609217	6106784	1137.87	255.56	1136.01	2.16	2.16	263.72
PC09-32	1421.43	1.54	1419.89	partial																									
-----Fault possible at 158.5 to 158.6																													
PC09-32	1421.43	1.54	1419.89	partial	159.35	608890	6106202	1263.17	160.64	1261.93	1.29	1.29	165.7	608888	6106202	1257.1	166.85	1256.01	0.63	1.15									
-----Fault probable at 167.7 to 167.85																													
PC09-32	1421.43	1.54	1419.89	partial									168.8	608887	6106202	1254.15	170.03	1252.98	0.81	1.23	173.3	608885	6106201	1249.87	176.45	1246.85	3.15	3.15	187.45
PC09-33	1410.67	6.6	1204.07	partial	253.66	609550	6106422	1165.48	255.7	1163.56	2.04	2.04	258.45	609552	6106423	1160.96	259.33	1160.13	0.88	0.88	262.42	609552	6106424	1157.2	264.55	1155.2	2.13	2.13	274.32
PC09-34	1387.52	12.1	1375.42	partial	226.52	609860	6106236	1165.34	227.5	1164.39	0.98	0.98	227.93	609860	6106237	1163.97	229.12	1162.82	1.19	1.19									
-----Fault established at 230.80 to 230.90																													
PC09-34	1387.52	12.1	1375.42	partial									230.9	609860	6106237	1161.08	231.8	1160.2	0.8	0.8	236.22	609861	6106238	1155.89	238.5	1153.67	2.28	2.28	245
PC09-35	1083.39	42.5	1040.89	yes																									93.13
PC09-36	1123.94	5.8	1118.14	partial																									
-----Fault possible at 130.4 to 130.6																													
PC09-36	1123.94	5.8	1118.14	partial	150.5	611133	6106734	990.93	151.98	989.61	1.48	1.48	152.3	611133	6106735	989.32	154.02	987.78	1.72	1.72	157.3	611135	6106737	984.85	159.92	982.49	2.62	2.62	164.59
PC09-37	1108.5	7.8	1100.7	yes	99.26	610768	6106960	1010.45	100.4	1009.35	1.14	1.14	101.2	610769	6106960	1008.58	102.09	1007.73	0.89	0.89	108.15	610770	6106962	1001.94	110.45	999.76	2.3	2.3	118.87
PC09-38	1164.43	35.8	1128.63	partial																									
-----Fault possible at 106.55 to 106.70																													
PC09-38	1164.43	35.8	1128.63	partial	159.3	610463	6106890	1005.83	160.72	1004.43	1.42	1.42	162.8	610462	6106890	1002.37	163.74	1001.44	0.94	0.94	168.91	610461	6106890	996.33	171.47	993.8	2.56	2.56	179.83
PC09-UC	1169.1	5.45	1163.65	partial	157.2	610219	6107219	1011.9	157.85	1011.25	0	0.65	161.3	610219	6107219	1007.8	162.15	1006.95	0.85	0.85	166.88	610219	6107219	1002.22	169.01	1000.09	2.13	2.13	173.73
Borehole	Elevation	Drift	Rock-head	repick-ed?	J2U-roof	Easting	Northing	Elevation	J2U-floor	Elevation	J2U-net	J2U-gross	J2L-roof	Easting	Northing	Elevation	J2L-floor	Elevation	J2L-net	J2L-gross	J3-roof	Easting	Northing	Elevation	J3-floor	Elevation	J3-net	J3-gross	TD

Drilled net/gross thicknesses and subsurface positions of coal beds J2U through J3: **Table B-4 (concluded)**

Borehole	Elevation	Drift	Rock-head	repick-ed?	J2U-roof	Easting	Northing	Elevation	J2U-floor	Elevation	J2U-net	J2U-gross	J2L-roof	Easting	Northing	Elevation	J2L-floor	Elevation	J2L-net	J2L-gross	J3-roof	Easting	Northing	Elevation	J3-floor	Elevation	J3-net	J3-gross	TD
PC13-01C	1259.2	2.45	1256.75	yes	161.29	610956	6105246.44	1097.91	163.45	1095.75	2.16	2.16	163.5	610956	6105246.44	1095.7	164.92	1094.28	1.42	1.42	166.65	610956	6105246.44	1092.55	167.8	1091.4	1.15	1.15	171.5
PC13-02C	1300.34	0.8	1299.54	yes	79.95	610721.26	6104794.57	1220.4	82.62	1217.73	2.67	2.67	82.62	610721.19	6104794.47	1217.73	84.06	1216.29	1.44	1.44	85.74	610721.13	6104794.4	1214.61	88.53	1211.82	2.79	2.79	110.33
PC13-03C	1425.4	3.33	1422.07	yes																									
-----Fault at 53.57 to 53.79																													
PC13-03C	1425.4	3.33	1422.07	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	100.9
PC13-04C	1425.17	0	1425.17	yes																									
-----Fault at 21.09 to 22.02																													
PC13-04C	1425.17	0	1425.17	yes																									
-----Fault at 22.85 to 23.22																													
PC13-04C	1425.17	0	1425.17	yes																									
-----Fault at 88.95 to 89.05																													
PC13-04C	1425.17	0	1425.17	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	121.63
PC13-05C	1383.23	2.8	1380.43	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	180.41
PC13-AR01	1383.23	7.3	1329.1	yes																									
-----Fault at 127.8 to 128.08																													
PC13-AR01	1383.23	7.3	1329.1	yes	163.5	610745.53	6105051.47	1174.91	165.92	1172.56	2.32	2.42	165.92	610745.23	6105051.02	1172.56	167.32	1171.19	1.4	1.4	169.02	6105058.96	6105050.45	1169.54	170.99	1167.62	1.97	1.97	172.93
PC13-AR02	1234.69	18.5	1216.19	yes	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	148.37
PC13-AR03	1308.07	9.15	1298.92	yes	168.96	610713.67	6105304.68	1140.21	171.55	1137.65	2.59	2.59	171.98	610713.37	6105304.33	1137.22	172.96	1136.25	0.98	0.98	174.95	610713.07	6105303.97	1134.29	177	1132.26	2.05	2.05	179.82
PC13-AR04	1184.3	56.9	1127.4	yes	206.08	611166.46	6105927.21	978.73	208.2	976.63	2.12	2.12	208.2	611166.24	6105927.08	976.63	209.7	975.14	1.5	1.5	211.94	611165.86	6105926.86	972.91	213.88	970.99	1.94	1.94	216.08
PC13-AR05	1115.59	30.45	1085.14	yes																									
-----Fault at 41.15 to 41.25																													
PC13-AR05	1115.59	30.45	1085.14	yes	210.3	611365.15	6106131.43	908.84	212.15	907.04	1.85	1.85	212.15	611364.79	6106131.17	907.04	213.34	905.89	1.19	1.19	215.87	611364.02	6106130.71	903.43	217.91	901.46	2.04	2.04	220.49
Borehole	Elevation	Drift	Rock-head	repick-ed?	J2U-roof	Easting	Northing	Elevation	J2U-floor	Elevation	J2U-net	J2U-gross	J2L-roof	Easting	Northing	Elev-ation	J2L-floor	Elev-ation	J2L-net	J2L-gross	J3-roof	Easting	Northing	Elevation	J3-floor	Elevation	J3-net	J3-gross	TD

E3L 'shales out'

E3L 'shales out'

E3L 'shales out'

E3L not found

1041 C12

1041 W88

1056 Toe P.U.

1041 W87

1026 W96

1026 C24

1026 W95

1041 E2

1026 F96

1041 F86

1011 W50

1011 J27

1011 F43

1011 F42

1011 J24

1011 F42B

0996 J31

0996 B60

996 X06

996 X04

996 X23

0996 J32

1026 G

1011 G

Processing Notes

Gridding algorithm: natural neighbour, based upon Thiessen polygons as implemented in Surfer v.9; using default settings. Contours are gross thickness (all types of coal plus all types of rock) summed across the E3U and E3L coal beds, and the intervening E3LP parting, including the laterally-equivalent coaly or carbonaceous rock within all three beds, plotted at subsurface pierce-points; contour interval 0.1 m. Contour range: 0.7 (thin) to 2.6 (relatively thick), expressed in metres.

Data source: P4/5/6 stratigraphic data

Note: thickness is not corrected for borehole geomettry within areas of steep dip, intersected by angled boreholes

bed name

coal — E3U

mapped horizon

parting — E3LP

coal — E3L

not to scale; coals pass laterally into carbonaceous to coaly rock

map scale in metres

0 100 200 300

File: P4A-E3-gross-thickness-151208b.srf/jpg Scale: as shown Coordinates: UTM Zone 10 NAD83 in metres
Drawn: C.G.Cathyl-Huhn P.Geo.(BC) Lic.Geol.(WA) RMSME Date: 2015 December 8

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Map 4-1: E3 gross thickness

Processing Notes

Gridding algorithm: division of the summed gridded values of E3U net coal and E3L net coal, by the gridded gross thickness of the entire E3 coal zone, inclusive of E3U coal, E3L coal, and the intervening E3LP parting. Contours are net/gross ratio, plotted at pierce-points of E3U roof; contour interval 0.17. Contour range: 0.16 (5/6ths rock by thickness to 0.85 (5/6ths coal by thickness, expressed as dimensionless ratio.

Data source: P4/5/6 stratigraphic data set as of 18. January 2014 (140118j.dat)

E3L 'shales out'

E3L 'shales out'

E3L 'shales out'

E3L not found

1041 C12
1041 W88
1056 Toe P.U
1041 W87
1026 W96
1026 C24
1026 W95
1026 F96
1041 E86
1011 W50
1011 F43
1011 J27
1011 F42
1011 J24
1011 F42B
0996 J31
0996 B60
996 X06
996 X04
996 X23
0996 J32

bed name
mapped horizon
coal — E3U
parting — E3LP
coal — E3L
not to scale; coals pass laterally into carbonaceous to coaly rock

map scale in metres
0 100 200 300

File: P4A-E3-net-gross-140121a9a.srf/jpg Scale: as shown Coordinates: UTM Zone 10 NAD83 in metres
Drawn: C.G.Cathyl-Huhn P.Geo.(BC) Lic.Geol.(WA) RMSME Date: 2014 January 21

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P4A/B: E3 net/gross thickness