Date : 27/01/2022 11:00:35 AM From: "Carlye Sycz" To : "Peter Downey" Subject : FW: Map on exporting coal mines - DG workshop Attachment : Life of Mine.xlsx;image001.png;

Carlye Sycz

Executive Director, Reform Department of Resources 73(2)Irrelevant

From: Darren Moor <Darren.Moor@resources.gld.gov.au> Sent: Thursday, 27 January 2022 10:51 AM To: Carlye Sycz Cc: Sarah Gooley; Chris Shaw; Luke Croton; Alex Grundy; Angela Hendy (Resources) Subject: FW: Map on exporting coal mines - DG workshop

Hey Carlye,

Attached is the intel on mine life for our coal operators. This data is sources from the later development plans and is subject to a bunch of commercial considerations like coal price, rate of production and future expansions....but this is the best that we hold. Cheers D SUTE

From: Alex Grundy <<u>Alex.Grundy@resources.qld.gov.au</u>> Sent: Thursday, 27 January 2022 9:41 AM To: Darren Moor; Luke Croton Cc: Angela Hendy (Resources); Chris Shaw; Jacinda Chisholm Subject: RE: Map on exporting coal mines - DG workshop

Morning Darren,

0

I have data from our technical team on the current End Of Mine Life (EOML) for our Coal mines. The information is based on Initial and Later Development plans that have been lodged with the Department.

There is a lot of data in the attached so I was going to try and consolidate it a bit, but the yellow columns are where we have an expected end of mine life from the latest Development plan.

There are still a few gaps in the data that need checking, but in summary:

• We have 12 Coal Mines that have indicated a timeline past 2050

Mine Name	Indicated End of Life	Product Coal
Carmichael Coal Mine	2071+	Thermal
Cameby Downs	2100	Thermal
Olive Downs	2099	Metallurgical
South Walker Creek	2084	PCI and Thermal
Callide Complex	2070	PCI and Thermal
Eagle Downs	2070	PCI and Thermal
Wards Well	2070	Metallurgical
Goonyella Riverside (OC) & Broadmeadow (UG)	2064	Metallurgical and PCI
Byerwen Coal Mine	2060	Metallurgical
South Walker Creek (Bee Creek)	2060	PCI and Thermal
Wandoan Stage 1	2055	Thermal
Yarrabee Mine	2055	Metallurgical and Thermal

date of 2050 or earlier with the following mines no longer indicating any mining in the future:

Minerva Coal Project Jeebropilly Project Burton New Burton New Oakleigh

We have a few gaps in our data due to how companies report across their mines, but this is the best data we have at the moment, without further in depth analysis.

Happy to get the tech team to look into the query in more depth if you are after something a bit more specific.

Data is attached. Mines with NP indicate that they are 'Not Producing' and so we don't have good data for the expected EOML. Some mines have already stopped operating and have passed their indicated EOML while we await sign off from the Department of Environment and Science.

Let me know if you have questions or need anything else.

Thanks, Alex.

The remaining 61 mines currently have an indicated end



Principal Mining Registrar Coal Assessment Hub | Georesources **Department of Resources**

P: 07 4936 0161 M73(2) Irrelevant E: alex.grundy@resources.qld.gov.au A: Building 'E', 25 Yeppoon Road, Parkhurst, QLD 4702 | PO Box 3679, Red Hill, Rockhampton North, QLD 4701 W: www.resources.qld.gov.au

From: Darren Moor <<u>Darren.Moor@resources.qld.gov.au</u>> Sent: Thursday, 27 January 2022 9:08 AM To: Luke Croton; Alex Grundy Cc: Angela Hendy (Resources); Chris Shaw; Jacinda Chisholm Subject: FW: Map on exporting coal mines - DG workshop

Hey Alex,

How did you go with the question about closure timeframes?

Jacinda - are you aware of maps with locations of coal exports on them? D

From: Carlye Sycz <<u>Carlye.Sycz@resources.qld.gov.au</u>> Sent: Thursday, 27 January 2022 7:49 AM To: Chris Shaw; Darren Moor Cc: Peter Downey Subject: Map on exporting coal mines - DG workshop

Hey Chis and Darren

Energy have asked whether we have maps with our exporting coal mines on them - they need it for that DG workshop (Chris - think you were cc'd into some emails earlier in the week about closure timeframes too?).

suret

sources sources ran Hoping it might be something we have on hand already? If so, could you please flick it through and I can get it to them.

Thanks! Carlye

Carlye Sycz

Executive Director, Reform Department of Resources 73(2)Irrelevant

From: Leanne CAELERS <<u>Leanne.CAELERS@epw.qld.gov.au</u>> Sent: Tuesday, 25 January 2022 6:47 PM To: Carlye Sycz Cc: Kaitlyn Stutz; Peter Downey Subject: Friday workshop on regional impacts

Hey Carlye,

We caught up with Paul on the Friday workshop. He wanted us to make sure Mike was happy with the approach - we'll be getting a draft of the slides tonight but I wonder if it would be possible to catch you and Mike for 15 minutes Thursday at all to run you through them?

Paul also mentioned that he thought you would have good maps for export coal mines as well. Just thought I'd check if you had something you were already using for this otherwise I'll get the team to pull one together based on the info Pete already provided.

Cheers, Leanne

The contents of this electronic message and any attachments are intended only for the addressee and may contain privileged or confidential information. They may only be used for the purposes for which they were supplied. If you are not the addressee, you are notified that any transmission, distribution, downloading, printing or photocopying of the contents of this message or attachments is strictly prohibited. The privilege or confidentiality attached to this message and attachments is not waived, lost or destroyed by reason of mistaken delivery to you. If you receive this message in error please notify the sender by return e-mail or telephone.

Please note: the Department of Housing and Public Works carries out automatic software scanning, filtering and blocking of E-mails and attachments (including emails of a personal nature) for detection of viruses, malicious code, SPAM, executable programs or content it deems unacceptable. All reasonable precautions will be taken to respect the privacy of individuals in accordance with the Information Privacy Act 2009 (Qld). Personal information will only be used for official purposes, e.g. monitoring Departmental Personnel's compliance with Departmental Policies. Personal information will not be divulged or disclosed to others, unless authorised or required by Departmental Policy and/or law.

Thank you.

Mine Name
Baralaba North Coal Mine
Blackrock
Blackwater
Blair Athol
Bluff
Broadlea
Burton
Byerwen Coal Mine
Callide Complex
Cameby Downs
, Capcoal Mine Complex (Grasstree, Aquila, Lake Lindsay, Oak Park, W2)
Carborough Downs Coal Mine
Carmichael Coal Mine
Caval Ridge
Clermont Coal Mine
Codrilla
Collinsville
Colton Coal Mine
Collinsville Colton Coal Mine Commodore Mine Cook Mine
Cook Mine
Coppabella Opencut Coal Mine
Curragh Coal Mine
Daunia
Dawson Central and North
Dawson South
Dysart East
Eagle Downs
Ensham Coal Mine
Foxleigh
Goonyella Riverside (OC) & Broadmeadow (UG)
Gregory (OC) Crinum (UG) Mine
Grosvenor
Hail Creek
Ironbark No 1
Isaac Downs
Isaac Plains Complex
Jeebropilly Project
Jellinbah Mine

Jellinbah Plains Johnson Extended Project **Kestrel Coal Mine** Kogan Creek Lake Lindsay Lake Vermont Mackenzie North Project ed on Refl Act 2009 Meandu Mine Meteor Downs South Middlemount Coal Mine Millennium Coal Mine Minerva Coal Project Minyango Moorvale **Moorvale South** Moranbah North Mulgildie New Acland New Burton New Lenton New Oakleigh Newlands Coal Mine North Goonyella **Norwich Park** Oak Park Oaky Creek Coal Mine **Olive Downs** Peak Downs Poitrel Poitrel (& Daunia MIA) OCoal Northern Hub **Rolleston Mine** Saraji South Walker Creek South Walker Creek (Bee Creek) **Togara North** Vulcan Wandoan Stage 1 Wandoan Stage 1 Wards Well

Published on Peril Act 2009

Authorised Holder

Parent Company

BARALABA COAL PTY LTD Cook Resource Mining Pty Ltd BHP Coal Pty Ltd ORION MINING PTY LTD Carabella Resources Pty Ltd FITZROY (CQ) PTY LTD Peabody (Burton Coal) Pty Ltd BYERWEN COAL PTY LTD Batchfire Callide Pty Ltd SYNTECH RESOURCES PTY LTD ANGLO COAL (GERMAN CREEK) PTY LTD Fitzroy (CQ) Pty Ltd Adani Mining Pty Ltd BHP Coal Pty Ltd GS COAL PTY LTD PEABODY COPPABELLA PTY LTD NC COAL COMPANY PTY LIMITED New Colton Coal Pty Ltd QUEENSLAND POWER COMPANY PTY LTD **Constellation Mining Pty Ltd** PEABODY COPPABELLA PTY LTD Coronado Curragh Pty Ltd BHP Coal Pty Ltd ANGLO COAL (DAWSON) LIMITED ANGLO COAL (DAWSON SOUTH) PTY LTD BENGAL COAL PTY LTD SOUTH32 EAGLE DOWNS PTY LTD IDEMITSU AUSTRALIA RESOURCES PTY LTD CAML RESOURCES PTY LTD BHP Coal Pty Ltd SOJITZ GREGORY CRINUM PTY LTD ANGLO COAL (GROSVENOR) PTY LTD HAIL CREEK COAL HOLDINGS PTY LIMITED FITZROY (CQ) PTY LTD Stanmore IP South Pty Ltd Stanmore IP Coal Pty Ltd JEEBROPILLY COLLIERIES PTY. LTD. JELLINBAH GROUP PTY LTD

Liberty Mining and Minerals Glencore BMA - BHP TerraCom Wealth Resources **Fitzroy QLD Resources Limited** Peabody QCoal etor Bachfire Yancoal Anglo Fitzroy QLD Resources Limited **Bravus Mining & Resources** BMA - BHP Glencore Peabody Glencore **EWAM Energy Pty Ltd** Queensland Power Company QCoal Peabody Coronado Resources Inc. BMA - BHP Anglo Anglo **Bengal Energy Ltd** South32 Idemitsu Kosan Co. Ltd Caml Resources BMA - BHP Sojitz Anglo Glencore Fitzroy QLD Resources Limited Stanmore Stanmore New Hope Group Jellinbah Group

JELLINBAH GROUP PTY LTD PEABODY COPPABELLA PTY LTD **KESTREL COAL RESOURCES PTY LTD** ABERDARE COLLIERIES PROPRIETARY LIMITED ANGLO COAL (GERMAN CREEK) PTY LTD BOWEN BASIN COAL PTY. LTD. JELLINBAH GROUP PTY LTD TEC COAL PTY LTD SOJITZ COAL MINING PTY LTD MIDDLEMOUNT COAL PTY LTD MetRes Pty Ltd MINERVA COAL PTY LTD CONSTELLATION MINING PTY LTD PEABODY COPPABELLA PTY LTD PEABODY COPPABELLA PTY LTD MORANBAH NORTH COAL PTY LTD MONTO COAL 2 PTY LTD New Acland Coal Pty Ltd NEW LENTON COAL PTY LTD NEW LENTON COAL PTY LTD NEW OAKLEIGH COAL PTY. LTD. NC COAL COMPANY PTY LIMITED PEABODY (BOWEN) PTY LTD **BHP Coal Pty Ltd** ANGLO COAL (GERMAN CREEK) PTY LTD OAKY CREEK HOLDINGS PTY LIMITED PEMBROKE OLIVE DOWNS PTY LTD BHP Coal Pty Ltd BHP Billiton Mitsui Coal Pty Ltd BHP Coal Pty Ltd NORTHERN HUB (DRAKE) PTY LTD ROLLESTON COAL HOLDINGS PTY LIMITED BHP Coal Pty Ltd BHP Billiton Mitsui Coal Pty Ltd BHP Billiton Mitsui Coal Pty Ltd ENEX TOGARA PTY LIMITED Queensland Coking Coal Pty Ltd WANDOAN HOLDINGS PTY LIMITED WANDOAN HOLDINGS PTY LIMITED BHP Billiton Mitsui Coal Pty Ltd

Jellinbah Group Peabody Kestral Coal Res - EMR Capital CS Energy Anglo Jellinbah Group Jellinbah Group Stanwell Sojitz/Endocoal Peabody MetRes Sojitz Bounty Cook (Sub let from Glencore) -> QCoal Peabody Peabody Anglo QCoal New Hope Group New Hope Group New Hope Group New Hope Group Glencore Peabody BMA - BHP Anglo Glencore Pembroke BMA - BHP BMC - BHP BMA - BHP OCoal Glencore BMA - BHP BMC - BHP BMC - BHP Glencore Vitrinite Glencore Glencore BMC - BHP

Yancoal

Published on Retl Act 2009

Status	Location	Commencement of Project	Mine Life
Operating	7 km north of the Baralaba townsh	2014	20
Pre-construction	4 km south of Blackwater		30
Operating	10 km south of Blackwater	1976	50
Operating	17 km north west of Clermont	2019	6
Care and Maintenance	20 km east of Blackwater	2019	15
Care and Maintenance	15 km northeast of Moranbah	2006	NP
Care and Maintenance	27 km northeast of Moranbah	2012	0
Operating	140 km west of Mackay	2017	30+
Operating	19 km north of Biloela	1950	30+
Operating	14 km east of Miles	2010	72
Operating	25 km southwest of Middlemount	1981	23
Operating	20 km east Moranbah	2006	6
Construction	300 km West of Mackay	2021	50+
Operating	19 km south southeast of Moranb	2012	
Operating	16 km north of Clermont	2010	5
Pre-construction	57 km east of Moranbah	0	17
Operating	3 km southwest of Collinsville	1922	
Pre-construction	10 km north of Maryborough	2022	10
Operating	5 km south of Millmerran	0	40
Care and Maintenance	14 km south of Blackwater	1970	10
Operating	10 km east of Coppabella	1998	12-
Operating	30 km north of Blackwater	1983	19
Operating	25 km southeast of Moranbah	2012	18+
Operating	4 km east of Moura	1962	25
Operating	18 km south east of Moura	1962	25
Pre-construction	5 km east of Dysart	0	25
Care and Maintenance	25 km southeast of Moranbah	2011	50
Operating	40 km northeast of Emerald	1994	5+
Operating	12 km southeast of Middlemount	2000	11
Operating	30 km north of Moranbah	0	40
Operating	53 km north east of Emerald	2019	20+
Operating	Directly north of Moranbah towns	1990	24
Operating	85 km west of Mackay	2003	22
Pre-construction	30 km northeast of Moranbah	0	25
Pre-construction	10 km east of Moranbah	2022	16
Operating	7km east of Moranbah	2016	16
Care and Maintenance		1970	0
Operating	30 km north of Blackwater	1989	

Pre-construction	30 km northeast of Blackwater	2028	2
Pre-construction	10 km east of Coppabella	0	7
Operating	25 km north east of Emerald	2004	1
Operating	25 km southeast of Chinchilla	2006	2
Operating		2008	
Operating	18 km northeast of Dysart	2009	2
Construction	30 km northeast of Blackwater	2020	3
Operating	4 km west of Yarraman	1983	1
Operating	30 km southeast of Springsure	2018	1
Operating	6 km west of Middlemount	2009	1
Operating	20 km southeast of Moranbah	2005	2
Operating	45 km south of Emerald	2005	
Pre-construction	1 km south of Blackwater	0	2
Operating	10 km southwest of Coppabella	2003	
Pre-construction	18 km south of Coppabella	2020	1
Care and Maintenance	15 km north of Moranbah	1999	2
Pre-construction	13 km south of Monto	0	1
Operating	35km North West Toowoomba	2002	3
Care and Maintenance	40 km northeast of Moranbah	2012	4
Pre-construction	20 km south of Glenden	0	
Care and Maintenance	Rosewood	1979	0
Operating	30 km northwest of Glenden	1983	2
Operating	40 km north of Moranbah	1993	
Care and Maintenance		1979	
Operating	X O' X'	2004	
Operating	25 km east of the Tieri	1982	1
Pre-construction	40 km south east of Moranbah	0	8
Operating	17 km south of Moranbah	1972	3
Operating	25 km southeast of Moranbah	2006	1
Operating		2006	
Operating	7 km south of Collinsville	2013	
Operating	15 km northwest of Rolleston	2019	2
Operating	25 km north of Dysart	1980	3
Operating	100 km northeast of Moranbah	1996	3
Pre-construction		1996	
Pre-construction	30 km south of Comet	0	
Pre-construction	33 km southeast of Moranbah	2022	3
Pre-construction	60 km south of Taroom	0	3
Pre-construction	60 km south of Taroom	0	3
Pre-construction	45 km north of Moranbah	0	5

20+
7-Aug
15
25 +
25+
30
15
15
15
22
2
20-21
10+
25
15
3
4
0
20
19
80
30
10
22
30
30
3
30
30
50
-

34

Published on Retl Act 2009

Expected End of Mining	Coal Basin
2040	Bowen
tba	Bowen
2050	Bowen
2030	Bowen
2031	Bowen
N/A	Bowen
2016	Bowen
2060	Bowen
2070	Callide
2100	Surat
2022	Bowen
2026	Bowen
2071+	Galilee
2050	Galilee Bowen Bowen Bowen Maryborough Clarence-Moreton Bowen Bowen Bowen
2026	Bowen
2040	Bowen
NP	Bowen
2032	Maryborough
2040	Clarence-Moreton
	Bowen
2032	Bowen
2034	Bowen
2045	
2040	Bowen
2045	Bowen
2045	Bowen
2070	Bowen
2024	Bowen
2035	Bowen
2064	Bowen
2040	Bowen
2039	Bowen
2041	Bowen
2040	Bowen
2038	Bowen
2037	Bowen
2019	Clarence-Moreton
2050	Bowen

2040	Bowen
2023	Bowen
2034	Bowen
2045	Surat
2044	Bowen
2045	Bowen
2050	Bowen
2035	Tarong
2035	Bowen
2037	Bowen
2039	Bowen
2021	Bowen
2045	Bowen Bowen Bowen Bowen Bowen Bowen
NP	Bowen
NP	Bowen
2030	Bowen
2050	Mulgildie
2024	Clarence-Moreton
2016	Bowen
NP	Bowen
2013	Bowen Bowen Clarence-Moreton Bowen Bowen West Moreton Coalfield Bowen Bowen
2040	Bowen
2023	Bowen
N/A	Bowen
2044	Bowen
2030	Bowen
2099	Bowen
2050	Bowen
2034	Bowen
2034	Bowen
2045	Bowen
2040	Bowen
2045	Bowen
2084	Bowen
2060	Bowen
2040	Bowen
2025	Bowen
2055	Surat
2055	Surat
2070	Bowen

2055	Bowen
------	-------

Published on Restlice 2009

Measures Sequence	DP Expiry	Current FTE
Baralaba Coal Measures	30/10/2026	300
Rangal Coal Measures		
Rangal Coal Measures	30/6/2020	2000
Blair Athol Measures	30/05/2022	181
Rangal Coal Measures	31/12/2023	
Rangal Coal Measures	29/06/2021	0
Fort Cooper Coal Measures	30/04/2022	20
Moranbah Coal Measures	12/05/2024	691
Callide Coal Measure	1/10/2023	820
Taroom Measures	31/12/2022	172
Rangal Coal Measures	31/03/2025	1000
Rangal Coal Measures	2/01/2024	562
Permian sequence	30/06/2023	496
Moranbah Coal Measures	14/06/2025	1600
Wolfgang Measures	31/03/2023	620
Fort Cooper Coal Measures	30/06/2022	0
Collinsville Coal Measures	19/12/2019	550
Barrum Coal Measures	29/04/2022	
Walloon Coal Measures	30/06/2022	100
Rangal Coal Measures	30/04/2021	
German Creek Formation	31/01/2023	500
Rangal Coal Measures	30/06/2022	1864
Rangal Coal Measures	30/06/2020	850
Baralaba Coal Measures	30/06/2024	1499
Baralaba Coal Measures	31/12/2023	1499
Moranbah Coal Measures and Fort Cooper Coal Measures	31/03/2023	0
Moranbah Coal Measures	18/08/2020	10
Rangal Coal Measures	30/04/2025	783
Rangal Coal Measures	16/04/2023	600
Moranbah Coal Measures	31/12/2024	3450
German Creek Formation	1/07/2024	396
Fort Cooper	30/10/2021	819
Fort Cooper Coal Measures	31/12/2024	1239
Rangal Coal Measures	14/12/2025	0
Rangal Coal Measures	31/07/2026	
Rangal Coal Measures	31/12/2025	299
Walloon Coal Measures	29/02/2020	101
Rangal Coal Measures	30/04/2022	400

Rangal Coal Measures Rangal Coal Measures Moranbah Coal Measures Jundah Coal Measures **Rangal Coal Measures Rangal Coal Measures Rangal Coal Measures** Meandu Deposit **Rangal Coal Measures Rangal Coal Measures Rangal Coal Measures** Minerva Deposit **Rangal Coal Measures** Fort Cooper Coal Measures **Rangal Coal Measures Rangal Coal Measures Mulgildie Coal Measures** Walloon Coal Measures Fort Cooper Coal Measures Fort Cooper Coal Measures Walloon Coal Measures **Rangal Coal Measures Rangal Coal Measures** Moranbah Coal Measures **Rangal Coal Measures** German Creek Formation **Rangal Coal Measures** Moranbah Coal Measures **Rangal Coal Measures Rangal Coal Measures** Fort Cooper Fort Cooper Coal Measures Moranbah Coal Measures **Rangal Coal Measures Rangal Coal Measures Rangal Coal Measures** Moranbah Coal Measures Jundah Coal Measures Jundah Coal Measures Moranbah Coal Measures

31/07/2022 225 31/05/2024 500 1000 31/12/2022 28/02/2025 75 31/03/2025 1000 30/04/2025 995 30/04/2023 40 28/02/2021 0 30/11/2020 40 9/01/2025 600 15/07/2026 100 30/11/2021 200 31/12/2023 0 30/06/2022 400 1/04/2024 400 31/12/2022 1300 30/06/2024 3 SURPESOURCES 30/09/2022 158 30/04/2022 20 30/06/2023 0 31/03/2025 4 28/02/2021 768 31/08/2025 230 30/06/2020 250 31/03/2025 1000 31/08/2024 1000 29/09/2025 2 30/06/2025 2300 30/06/2025 700 30/06/2025 700 15/08/2022 600 31/12/2021 1000 30/06/2020 2000 30/06/2025 870 30/06/2025 870 31/01/2025 0 30/09/2026 7/08/2022 17 7/08/2022 17 30/06/2025 0

Published on Retline 2009

PCI and Thermal2.5Thermal00Metallurgical and Thermal1614Thermal171.5PCI1.21Metallurgical and Thermal00Metallurgical and Thermal00Metallurgical and Thermal00Metallurgical and Thermal10013PCI and Thermal32.5PCI and Thermal74.71Metallurgical and PCI1.51Thermal1210Thermal1210Thermal1.51Metallurgical and Thermal00Metallurgical and PCI1.31Metallurgical and Thermal00Metallurgical and Thermal0.41Metallurgical and Thermal65Metallurgical and Thermal0.941PCI and Thermal1.53.5Metallurgical PCI65PCI and Thermal1.63.5Metallurgical and PCI65PCI and Thermal1.63.5PCI and Thermal6.13.6PCI and Thermal6.25PCI and Thermal6.25PCI and Thermal6.13.1Metallurgical and PCI6.15PCI and Thermal6.25PCI and Thermal6.25PCI and Thermal6.15Metallurgical and Thermal6.15Metallurgical and PCI6.1 </th <th>Coal Type</th> <th>Current Annual ROM Mtpa</th> <th>Total Annual Saleable Mtpa</th>	Coal Type	Current Annual ROM Mtpa	Total Annual Saleable Mtpa
Metallurgical and Thermal1614Thermal171.15PCI1.21.4Metallurgical and Thermal00Metallurgical and Thermal00Metallurgical and Thermal103PCI and Thermal03Thermal32.5PCI and Thermal1.31Metallurgical and PCI1.51Thermal1.21.0Metallurgical and PCI1.21.0Metallurgical and PCI1.21.0Metallurgical and Thermal1.21.0Metallurgical and Thermal00Metallurgical and Thermal1.21.0Metallurgical and Thermal1.21.0Metallurgical and Thermal0.41.0Metallurgical and Thermal1.21.0Metallurgical and Thermal1.2NPMetallurgical and Thermal1.53.5Metallurgical and PCI65PCI and Thermal1.6.53.5Metallurgical And PCI1.63.5PCI and Thermal1.01.0PCI and Thermal1.01.0PCI and Thermal2.73.72Metallurgical and PCI2.53.72Metallurgical and PCI3.63.1Metallurgical and PCI3.63.1Metallurgical and PCI3.63.1Metallurgical and Thermal1.03.1Metallurgical and Thermal1.03.1Metallurgical and T	PCI and Thermal	2.5	
n 17 11.5 PCI 1.2 1 Metallurgical and Thermal 0 0 Metallurgical and Thermal 0 0 Metallurgical and Thermal 100 Response PCI and Thermal 100 13 PCI and Thermal 3 2.5 PCI and Thermal 1.5 1 Metallurgical and PCI 1.5 1 Thermal 1.2 27 Metallurgical and Thermal 1.2 1.1 Metallurgical and Thermal 0 0 Metallurgical and Thermal 0 0 Metallurgical and Thermal 0 0 Metallurgical and Thermal 0.94 PCI and Thermal Metallurgical and Thermal 0.94 1 PCI and Thermal 1.5 4 Metallurgical And PCI 6 5 PCI and Thermal 1.5 1 Metallurgical and PCI 6 5 PCI and Thermal 1.6 5 PC	Thermal	0	0
PCI1.21.4Metallurgical and Thermal00Metallurgical and Thermal00Metallurgical10013PCI and Thermal32.5PCI and Thermal1.53Metallurgical and PCI1.510Metallurgical and PCI1.31.0Metallurgical and Thermal1.21.0Metallurgical and Thermal1.21.0Metallurgical and Thermal00Metallurgical and Thermal00Metallurgical and Thermal0.41.0Metallurgical and Thermal0.40Metallurgical and Thermal0.941.0PCI and Thermal0.941.0PCI and Thermal0.041.0Metallurgical and PCI0.01.0Metallurgical and PCI0.01.0Metallurgical and PCI0.01.0Metallurgical and PCI0.00.0PCI and Thermal0.21.0Metallurgical and PCI0.00.0PCI and Thermal0.00.0Metallurgical and PCI0.00.0Metallurgical and PCI0.000.00Metallurgical and PCI0.000.0Metallurgical and PCI0.00.0Metallurgical and PCI0.00.0Metallurgical and PCI0.00.0Metallurgical and PCI0.00.0Metallurgical and PCI0.00.0Metallurgical and PCI0.00.0 <tr< td=""><td>Metallurgical and Thermal</td><td>16</td><td>14</td></tr<>	Metallurgical and Thermal	16	14
Metallurgical and Thermal00Metallurgical00Metallurgical10013PCI and Thermal32.5PCI and Thermal74.71Metallurgical and PCI1.51Thermal12.37Metallurgical and PCI1.210Thermal12.410Metallurgical and PCI2.51Metallurgical and Thermal12.410Metallurgical and Thermal05Metallurgical and Thermal6.43Metallurgical and Thermal5.48Metallurgical and Thermal1.2NPMetallurgical and Thermal6.43Metallurgical and Thermal6.43Metallurgical and Thermal1.53Metallurgical and Thermal1.53.5Metallurgical And PCI65PCI and Thermal6.51.5Metallurgical and PCI61.6PCI and Thermal6.51.6PCI and Thermal6.73.7Metallurgical and PCI65PCI and Thermal7.73.72Metallurgical and PCI6.51.6Metallurgical and PCI6.5	Thermal	17	11.5
Metallurgical and Thermal00Metallurgical10013PCI and Thermal32.5PCI and Thermal74.71Metallurgical and PCI1.51Thermal12.02.7Metallurgical and PCI1.210Metallurgical and PCI2.210Metallurgical and PCI2.210Metallurgical and Thermal12.010Metallurgical and Thermal65Metallurgical and Thermal5.33Metallurgical and Thermal5.33Metallurgical and Thermal6.91.3Metallurgical and Thermal6.91.3Metallurgical and Thermal6.91.3Metallurgical and Thermal6.91.3Metallurgical and Thermal6.91.3Metallurgical and PCI6.05PCI and Thermal6.01.3Metallurgical and PCI6.11.3PCI and Thermal6.11.3Metallurgical and PCI7.23.7Metallurgical and PCI6.13.1Metallurgical and Thermal2.5NPMetallurgical and Thermal2.5NPMetallurgical and Thermal1.00Metallurgical and PCI9.005Metallurgical and PCI9.005Metallurgical and Thermal2.61.4Metallurgical and Thermal2.61.4Metallurgical and Thermal2.61.4Metallurgical and Thermal2.61.4 </td <td>PCI</td> <td>1.2</td> <td>1</td>	PCI	1.2	1
Metallurgical10NPPCI and Thermal10013Thermal32.5PCI and Thermal74.71Metallurgical and PCI1.51Thermal8.3227Metallurgical1210Thermal1210Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal1.2NPMetallurgical and Thermal0.947Thermal0.941.3Thermal0.941.3Metallurgical and Thermal6.53.6Metallurgical and Thermal16.53.6Metallurgical and Thermal16.53.6Metallurgical and Thermal16.53.6Metallurgical and PCI65PCI and Thermal16.53.6PCI and Thermal1.63.6PCI and Thermal65PCI and Thermal65PCI and Thermal6.13.1Metallurgical and Thermal6.15PCI and Thermal2.5NPMetallurgical and Thermal2.6NPMetallurgical and Thermal2.61.0PCI and Thermal9.00.05PCI and Thermal2.63.1Metallurgical and Thermal2.63.1Metallurgical and Thermal3.33.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.33.4Metal	Metallurgical and Thermal	0	0
PCI and Thermal10013Thermal32.5PCI and Thermal74.71Metallurgical and PCI1.51Thermal18.3227Metallurgical1210Thermal21.1Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal1.2NPMetallurgical and Thermal0.947Thermal0.947PCI and Thermal6.53.6Metallurgical And Thermal16.53.6Metallurgical and Thermal16.53.6Metallurgical and Thermal16.53.6Metallurgical and Thermal16.53.6Metallurgical and Thermal16.53.6PCI and Thermal65PCI and Thermal65Metallurgical and Thermal2.572Metallurgical and Thermal2.69PCI and Thermal99Metallurgical and Thermal6.005PCI and Thermal6.005PCI and Thermal6.005PCI and Thermal6.005PCI and Thermal6.1Metallurgical and Thermal6.1PCI and Thermal6.1PCI an	Metallurgical and Thermal	0	0
Ihermal32.5PCI and Thermal74.71Metallurgical and PCI151Thermal18.3227Metallurgical1210Thermal121Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal3.53Metallurgical Antermal0.941PCI and Thermal10.53.5Metallurgical Antermal6.53.5Metallurgical Antermal6.53.5Metallurgical Antermal6.53.5Metallurgical Antermal16.53.5Metallurgical Antermal6.65PCI and Thermal0.03.5Metallurgical and PCI65PCI and Thermal6.13.6Metallurgical Antermal6.723.72Metallurgical Antermal6.725.72Metallurgical and Thermal2.63.6Metallurgical and PCI93.005Metallurgical and Thermal3.63.005Metallurgical and Thermal2.62.1Metallurgical and Thermal2.63.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.43.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.43	Metallurgical	10	NP
PCI and Thermal74.71Metallurgical and PCI1.51Thermal18.327Metallurgical1210Thermal121Metallurgical and Thermal00Metallurgical and Thermal1.2NPMetallurgical and Thermal3.5SMetallurgical and Thermal0.94-Thermal0.94-PCI and Thermal16.53.5Metallurgical and PCI65PCI and Thermal16.53.5Metallurgical and PCI65PCI and Thermal16.510PCI and Thermal16.010PCI and Thermal16.010PCI and Thermal0.010PCI and Thermal5.725.72Metallurgical7.25.72Metallurgical and PCI2.5NPMetallurgical and PCI90.005Metallurgical0.0060.005PCI and Thermal2.62.1Metallurgical and Thermal2.62.4Metallurgical and Thermal2.62.4Metallurgical and Thermal2.62.4Metallurgical and Thermal2.63.4Metallurgical and Thermal3.33.4Metallurgical and Thermal2.63.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.43.4Metallurgical and Thermal3.6	PCI and Thermal	100	13
Metallurgical and PCI1.51Thermal18.3227Metallurgical1210Thermal211Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal1.2NPThermal0.947Thermal0.941.3Metallurgical And PCI63PCI and Thermal16.53Metallurgical And PCI610PCI and Thermal16.410PCI and Thermal16.410PCI and Thermal65PCI and Thermal65PCI and Thermal610PCI and Thermal610PCI and Thermal65PCI and Thermal65PCI and Thermal65PCI and Thermal65PCI and Thermal65PCI and Thermal65Metallurgical and Thermal66Metallurgical and Thermal66Metallurgical and Thermal66Metallurgical and Thermal66Metallurgical and Thermal66Metallurgical an	Thermal	3	2.5
Thermal 18.32 27 Metallurgical 12 10 Thermal 12 11 Metallurgical and Thermal 0 0 Metallurgical and Thermal 6 5 Metallurgical and Thermal 6 3 Thermal 3.5 3 Thermal 0.94 - PCI and Thermal 4.5 4 Metallurgical, PCI and Thermal 6.5 13.5 Metallurgical and PCI 6 5 PCI and Thermal 16.5 10 Metallurgical and PCI 6 5 PCI and Thermal 16.5 10 Metallurgical and PCI 6 10 Metallurgical and PCI 8 5 PCI and Thermal 5.72 5.72 Metallurgical and Thermal 2.5 NP Metallurgical and PCI 2.5 NP Metallurgical and Thermal 2.6 .005 PCI and Thermal 2.6 1.1 Metallurgical and The	PCI and Thermal	7	4.71
Metallurgical1210Thermal1211Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal1.2NPThermal3.53Thermal0.94-PCI and Thermal4.54Metallurgical, PCI and Thermal16.53.5Metallurgical and PCI65PCI and Thermal16.510PCI and Thermal16.410PCI and Thermal16.410PCI and Thermal16.410PCI and Thermal65PCI and Thermal5.75.72Metallurgical and PCI65PCI and Thermal5.725.72Metallurgical and PCI2.5NPMetallurgical and PCI0.0050.005PCI and Thermal0.0060.005PCI and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and PCI3.32.47	Metallurgical and PCI	1.5	1
Ihermal1211Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal1.2NPThermal3.53Thermal0.94-PCI and Thermal4.54Metallurgical, PCI and Thermal16.53.5PCI and Thermal65PCI and Thermal0TBAPCI and Thermal16.510Metallurgical and PCI65PCI and Thermal16.510PCI and Thermal16.510PCI and Thermal16.55PCI and Thermal5.725.72Metallurgical05PCI and Thermal5.725.72Metallurgical and PCI265Metallurgical and PCI0.0050.005PCI and Thermal90.005PCI and Thermal9.13.3Metallurgical and PCI3.32.47Metallurgical and PCI3.32.47	Thermal	18.32	27.0
Metallurgical and ThermalOOMetallurgical and Thermal3.5NPThermal3.53Thermal0.94-PCI and Thermal4.54Metallurgical, PCI and Thermal6.53.5Metallurgical and PCI65PCI and Thermal0.94-Metallurgical, PCI and Thermal16.53.5PCI and Thermal05PCI and Thermal0BAPCI and Thermal00Metallurgical and PCI00PCI and Thermal16.53.6PCI and Thermal85PCI and Thermal5.725.72Metallurgical and PCI265.72Metallurgical and PCI2.5NPMetallurgical and PCI90.005PCI and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and PCI3.73.4	Metallurgical	12	10
Metallurgical and Thermal65Metallurgical1.2NPThermal3.53Thermal0.94-PCI and Thermal4.54Metallurgical, PCI and Thermal16.513.5Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal16.50PCI and Thermal160PCI and Thermal00PCI and Thermal160PCI and Thermal80PCI and Thermal5.725.72Metallurgical and PCI2625Metallurgical and PCI0.0060.005PCI and Thermal99Metallurgical and PCI3.32.47Metallurgical and Thermal2.62.3	Thermal	12	11
Metallurgical1.2NPThermal3.53Thermal0.94-PCI and Thermal4.54Metallurgical, PCI and Thermal16.513.5Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal16.510Metallurgical00PCI and Thermal160PCI and Thermal160Metallurgical00PCI and Thermal85Thermal5.725.72Metallurgical and Thermal2625Metallurgical and PCI90.005PCI and Thermal9.0060.005PCI and Thermal2.62.1Metallurgical and Thermal3.32.47Metallurgical and PCI3.72.3	Metallurgical and Thermal	0	0
PCI and Thermal4.54Metallurgical, PCI and Thermal16.513.5Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal160Metallurgical00Metallurgical00Metallurgical5.725.72Thermal5.725.72Metallurgical and PCI265Metallurgical and PCI2.5NPMetallurgical and PCI0.0060.005PCI and Thermal99Metallurgical and PCI2.62.1Metallurgical and Thermal2.72.3	Metallurgical and Thermal	6	5
PCI and Thermal4.54Metallurgical, PCI and Thermal16.513.5Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal160Metallurgical00Metallurgical00Metallurgical5.725.72Thermal5.725.72Metallurgical and PCI265Metallurgical and PCI2.5NPMetallurgical and PCI0.0060.005PCI and Thermal99Metallurgical and PCI2.62.1Metallurgical and Thermal2.72.3	Metallurgical	1.2	NP
PCI and Thermal4.54Metallurgical, PCI and Thermal16.513.5Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal160Metallurgical00Metallurgical00Metallurgical5.725.72Thermal5.725.72Metallurgical and PCI265Metallurgical and PCI2.5NPMetallurgical and PCI0.0060.005PCI and Thermal99Metallurgical and PCI2.62.1Metallurgical and Thermal2.72.3	Thermal	3.5	3
Metallurgical, PCI and Thermal16.513.5Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal160Metallurgical00PCI and Thermal85Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI265Metallurgical and PCI0.0060.005Metallurgical99Metallurgical and PCI2.62.1Metallurgical and Thermal2.62.47Metallurgical and Thermal2.72.3	Thermal	0.94	
Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal1610Metallurgical00PCI and Thermal85Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI26SMetallurgical0.0060.005PCI and Thermal99Metallurgical and PCI2.62.1Metallurgical and Thermal3.32.47Metallurgical and PCI3.72.3	PCI and Thermal	4.5	4
PCI and Thermal0TBAPCI and Thermal1610Metallurgical00PCI and Thermal85Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI2625Metallurgical0.0060.005PCI and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Metallurgical, PCI and Thermal	16.5	13.5
PCI and Thermal1610Metallurgical00PCI and Thermal85Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI2625Metallurgical0.0060.005Metallurgical90.005Metallurgical and PCI3.32.47Metallurgical and PCI3.32.47	Metallurgical and PCI	6	5
Metallurgical00PCI and Thermal85Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI2625Metallurgical2.5NPMetallurgical0.0060.005PCI and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and PCI2.72.3	PCI and Thermal	0	ТВА
PCI and Thermal85Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI2625Metallurgical2.5NPMetallurgical0.0060.005PCI and Thermal99Metallurgical and PCI2.62.1Metallurgical and Thermal3.32.47Metallurgical and PCI2.72.3	PCI and Thermal	16	10
Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI2625Metallurgical2.5NPMetallurgical0.0050.005PCI and Thermal99Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Metallurgical	0	0
Metallurgical and Thermal43Metallurgical and PCI2625Metallurgical2.5NPMetallurgical0.0060.005PCI and Thermal99Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	PCI and Thermal	8	5
Metallurgical and PCI2625Metallurgical2.5NPMetallurgical0.0060.005PCI and Thermal99Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Thermal	5.72	5.72
Metallurgical2.5NPMetallurgical0.0060.005PCI and Thermal99Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Metallurgical and Thermal	4	3
Metallurgical0.0060.005PCI and Thermal99Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Metallurgical and PCI	26	25
PCI and Thermal99Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Metallurgical	2.5	NP
Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Metallurgical	0.006	0.005
Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	PCI and Thermal	9	9
Metallurgical and Thermal 2.7 2.3	Metallurgical and Thermal	2.6	2.1
	Metallurgical and PCI	3.3	2.47
Thormal 0 0	Metallurgical and Thermal	2.7	2.3
	Thermal	0	0
PCI 5.5 5	PCI	5.5	5

PCI and Thermal	1	1
PCI and Thermal	0	0
Metallurgical	7	5
Thermal	2.8	0
PCI and Thermal	0.5	ТВА
Metallurgical and PCI	11	9
PCI and Thermal	0	0
Thermal	9.5	7.5
Thermal	0.5	0
Metallurgical and Thermal	5	NP
Metallurgical and PCI	0.6	0.5
Thermal	7	2
PCI and Thermal	0	0
PCI and Thermal	3	2 5
PCI and Thermal	1.5	1
Metallurgical and PCI	9	8
Thermal	0	0
Thermal	6	4
Metallurgical and Thermal	0	0
Metallurgical and Thermal	1	0.7
Thermal		0
Metallurgical and Thermal	7 6 5	5.5
Metallurgical	0.2	0.16
Metallurgical	0	0
PCI and Thermal	5	ТВА
Metallurgical	5	NP
Metallurgical	15	0
Metallurgical	25	19
Metallurgical and PCI	7	5
Metallurgical and PCI	7	5
Metallurgical	0.5	NP
Metallurgical and PCI	17	15
Metallurgical and PCI	18	10
PCI and Thermal	9	7
PCI and Thermal	9	7
PCI and Thermal	0	0
Metallurgical and Thermal	1.9	1.3
Thermal	30	22
Thermal	30	22
	0	0

4

Published on Refl Act 2009

JORC Code Edition	Year of Estimate	Total Resources Project Mt	Measured Mt	Indicated Mt	Inferred Mt
2012	2016	96.8	26.4	39.9	30.5
2012	2016	273.1	0	116.2	156.9
2012	2019	1881	375	506	1000
2012	2018	45	31	12	2
2012	2018	81	0	40	42
NP	N/A	219.6	NP	NP	219.6
NP	2016	286	150	116	20
2012	2016	2183	384	643	1156
2012	2018	1064	664	345	55
2012	2017	315	190	55	70
2012	2018	384	66.95	NP	NP
2012	2017	177	92	50	35
2012	2014	11120	4000	3300	3820
2012	2019	760	423	207	130
2012	2018	113	90	18	5
NP	2016	190	76	67	47
2012	2017	485	100	235	150
2012	2018	24	0	9	15
NP	2018	95	NP	NP	NP
2012	2019	210	15	155	40
NP	2017	63	23	17	23
2012	2017	172.7	165.7	6.9	0
2012	2019	151	105	35	10.6
2012	2012	852	292	291	316
2012	2018	237	120	89	27
NP	2013	215	0	145	70
2012	2020	1143	759	201	183
2012	2019	225	174	49	0
2012	2016	100	42	37	25
2012	2019	1874	1364	455	55
2012	2019	153	112	31	10
2012	2020	461	269	124	68
2012	2018	759	154	585	20
2012	2017	361	61	149	151
2012	2020	36	25	11	0
2012	2016	68	35	24	9
2012	2012	129	46	72	11
2012	2020	636	191	182	261

2012	2015	45	0	31	13
2012	NP	18	1	10	7
2012	2017	240	1	139	100
2012	2016	204.5	144.5	30	30
2012	2018	384	63.12	NP	NP
2012	2013	321	272	47	2
2012	2013	125	48	28	2 47
2012	2013	630	375	180	75
2004	2010	14	0	0	14
2012	2018	132	73	54	5
2012	2020	37	13	17.0	7
2004	2009	76	33	30	12
2012	2018	190	6	71	112
NP	2016	11	NP	NP	NP
NP	2018	15	NP	NP	NP
NP	2016	74	53	19	2
2012	2012	34	19	13	2
2012	2016	515	303	190	23
NP	2016	286	150	116	20
2012	2017	380	68	103	208
NP	N/A		0	0	0
2012	2017	848	307	123	418
SECnotJORC	2014	135	121	14	NP
2012	2019	507	221	128	118
2012	2018	384	51.25	NP	NP
2012	2018	700	248	350	110
2012	2016	813	272	334	207
2012	2019	2051	519	863	669
2012	2019	163	55	49	59
2012	2019	163	55	49	59
NP	N/A	2.5	NP	NP	NP
NP	2015	252	177	57	18
2012	2019	1023	844	137	42
2012	2019	740	251	283.7	190
2012	2019	740	251	283.7	190
2012	2018	449	357	40	52
2012	2019	15	5	4	6
2004	2011	2916	1226	500	1190
2004	2011	2916	1226	500	1190
2012	2019	1373	0	1224	149

2012	2018	208	106	82	20

Published on Retil Act 2009

Destination Port	Local_Government_Area	Mining Type
Gladstone	Central Highlands	Open-cut
tba	Central Highlands	tba
Hay Point	Central Highlands	Open-cut
Dalrymple Bay Gladstone	Isaac	Open-cut
Gladstone	Central Highlands	Open-cut
Dalrymple Bay	Isaac	Open-cut - truck and shovel
Dalrymple Bay	Isaac	Open-cut
Abbot Point	Isaac	Open-cut and UG
Domestic Gladstone	Banana	Open-cut
Brisbane	Western Downs	Open-cut and UG
Gladstone	Central Highlands	UG - Longwall
Dalrymple Bay Coal Terminal	Isaac	UG - longwall, bord and pillar
Abbot Point	Charters Towers	Open-cut and UG- Longwall
Hay Point	Isaac	Open-cut
Dalrymple Bay	Isaac	Open-cut
Abbot Point	Isaac	Open-cut and UG
Abbot Point	Whitsunday	Open-cut
Gladstone	Fraser Coast	Open-cut - truck and shovel
Domestic	Toowoomba	Open-cut and UG
	Central Highlands	UG - Bord and pillar
	Isaac	Open-cut
Gladstone and Domestic	Central Highlands	Open-cut
Hay Point	Isaac	Open-cut
Gladstone	Banana	Open-cut
Gladstone	Banana	Open-cut
Gladstone	Isaac	Bord and Pillar
Hay Point	Isaac	UG - Longwall
Gladstone	Central Highlands	Open-cut and underground
Dalrymple Bay	Isaac	Open-cut
Dalrymple Bay	Isaac	Open-cut and UG
Gladstone	Central Highlands	investigating underground
DBCT	Isaac	UG - Longwall
Dalrymple Bay	Isaac	Open-cut
Dalrymple Bay	Isaac	Longwall
Darlymple Bay Coal Terminal	Isaac Regional Council	Open-cut
Dalrymple bay	Isaac	commencing ~2024
QBH Port Queensland	Ipswich	Open-cut
Gladstone	Central Highlands	Open-cut

Gladstone	Central Highlands	Open-cut
, , ,	Isaac	UG - Longwall
Gladstone	Central Highlands	UG - Longwall
Domestic	Western Downs	Open-cut
Gladstone	Isaac	Open-cut
Gladstone Port, Dalrymple Bay and	Alsaac	Open-cut
Gladstone	Isaac	Open-cut
Domestic	South Burnett	Open-cut and UG - Longwall
Gladstone	Central Highlands	Open-cut
Abbot Point	Isaac	Open-cut
Dalrymple Bay, Abbot Point	Isaac	Open-cut
Gladstone	Central Highlands	Open-cut
WICET	Central Highlands	UG - Longwall
	Isaac	Open-cut
	Isaac	Open-cut
Abbot Point	Isaac	UG - Longwall
Gladstone	North Burnett	Open-cut
Brisbane	Toowoomba	Open-cut
Dalrymple Bay	Isaac	Open-cut
Dalrymple Bay	Isaac	Open-cut
N/A	Ipswich	N/A
N/A Abbot Point	Ipswich Isaac	N/A Open-cut
	6	
Abbot Point	Isaac	Open-cut
Abbot Point Gladstone	Isaac Isaac	Open-cut Longwall
Abbot Point Gladstone Dalrymple Bay	Isaac Isaac Isaac	Open-cut Longwall Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone	Isaac Isaac Isaac Isaac	Open-cut Longwall Open-cut Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone	Isaac Isaac Isaac Isaac Central Highlands	Open-cut Longwall Open-cut Open-cut Longwall
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay	Isaac Isaac Isaac Isaac Central Highlands Isaac	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac	Open-cut Longwall Open-cut Dopen-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac	Open-cut Longwall Open-cut Dopen-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Isaac	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Abbot Point	Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Isaac Isaac Whitsunday	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut and UG - Longwall Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Hay Point Gladstone	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Isaac Whitsunday Central Highlands	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut Open-cut Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Abbot Point Gladstone Hay Point	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Isaac Whitsunday Central Highlands Isaac	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut Open-cut Open-cut Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Gladstone Hay Point Hay Point	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Isaac Whitsunday Central Highlands Isaac Isaac Isaac	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Gladstone Hay Point Hay Point Hay Point	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Whitsunday Central Highlands Isaac Isaac Isaac Isaac	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Gladstone Hay Point Hay Point Hay Point Gladstone	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Whitsunday Central Highlands Isaac Isaac Isaac Isaac Central Highlands	Open-cutOpen-cutOpen-cutOpen-cutOpen-cut and HighwallOpen-cut and UG - LongwallOpen-cut and UG - LongwallOpen-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Abbot Point Gladstone Hay Point Hay Point Hay Point Hay Point Gladstone	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Whitsunday Central Highlands Isaac Isaac Isaac Central Highlands Isaac	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut

Published on Retl Act 2009

Date : 27/01/2022 11:02:36 AM From : "Jacinda Chisholm" To : "Carlye Sycz" , "Peter Downey" Subject : FW: Map on exporting coal mines - DG workshop Attachment : Life of Mine.xlsx;image001.png; Hey guys, was just about to get my team working on the map but it may be easier if we pass on data to Leanne and they do the design work?

See below what Alex has already pulled together.

Jacinda Chisholm A/Executive Director, Communication P: 07 3199 8262 №3(2)Irrelevant

From: Alex Grundy <Alex.Grundy@resources.qld.gov.au> Sent: Thursday, 27 January 2022 9:41 AM To: Darren Moor; Luke Croton Cc: Angela Hendy (Resources); Chris Shaw; Jacinda Chisholm Subject: RE: Map on exporting coal mines - DG workshop

Morning Darren,

0

I have data from our technical team on the current End Of Mine Life (EOML) for our Coal mines. The information is based on Initial and Later Development plans that have been lodged with the Department.

There is a lot of data in the attached so I was going to try and consolidate it a bit, but the yellow columns are where we have an expected end of mine life from the latest Development plan.

There are still a few gaps in the data that need checking, but in summary:

• We have 12 Coal Mines that have indicated a timeline past 2050

Mine Name	Indicated End of Life	Product Coal
Carmichael Coal Mine	2071+	Thermal
Cameby Downs	2100	Thermal
Olive Downs	2099	Metallurgical
South Walker Creek	2084	PCI and Thermal
Callide Complex	2070	PCI and Thermal
Eagle Downs	2070	PCI and Thermal
Wards Well	2070	Metallurgical
Goonyella Riverside (OC) & Broadmeadow	C	
(UG)	2064	Metallurgical and PCI
Byerwen Coal Mine	2060	Metallurgical
South Walker Creek (Bee Creek)	2060	PCI and Thermal
Wandoan Stage 1	2055	Thermal
Yarrabee Mine	2055	Metallurgical and Thermal

date of 2050 or earlier with the following mines no longer indicating any mining in the future:

Minerva Coal Project Jeebropilly Project Burton New Burton New Oakleigh

We have a few gaps in our data due to how companies report across their mines, but this is the best data we have at the moment, without further in depth analysis.

Happy to get the tech team to look into the query in more depth if you are after something a bit more specific.

Data is attached. Mines with NP indicate that they are 'Not Producing' and so we don't have good data for the expected EOML. Some mines have already stopped operating and have passed their indicated EOML while we await sign off from the Department of Environment and Science.

Let me know if you have questions or need anything else.

Thanks, Alex.



Alex Grundy Principal Mining Registrar Coal Assessment Hub | Georesources Department of Resources

P: 07 4936 0161 **M73(2)Irrelevant** E: alex.grundy@resources.qld.gov.au A: Building 'E', 25 Yeppoon Road, Parkhurst, QLD 4702 | PO Box 3679, Red Hill, Rockhampton North, QLD 4701 W: www.resources.qld.gov.au

From: Darren Moor <<u>Darren.Moor@resources.qld.gov.au</u>> Sent: Thursday, 27 January 2022 9:08 AM To: Luke Croton; Alex Grundy Cc: Angela Hendy (Resources); Chris Shaw; Jacinda Chisholm Subject: FW: Map on exporting coal mines - DG workshop

Hey Alex.

How did you go with the question about closure timeframes?

Jacinda - are you aware of maps with locations of coal exports on them? D

From: Carlye Sycz <<u>Carlye.Sycz@resources.qld.gov.au</u>> Sent: Thursday, 27 January 2022 7:49 AM To: Chris Shaw; Darren Moor Cc: Peter Downey Subject: Map on exporting coal mines - DG workshop

Hey Chis and Darren

Energy have asked whether we have maps with our exporting coal mines on them - they need it for that DG workshop (Chris - think you were cc'd into some emails earlier in the week about closure timeframes too?).

Hoping it might be something we have on hand already? If so, could you please flick it through and I can get it to them. sclosul

Thanks! Carlve

Carlye Sycz

Executive Director, Reform Department of Resources 73(2)Irrelevant

From: Leanne CAELERS <Leanne.CAELERS@epw.qld.gov.au> Sent: Tuesday, 25 January 2022 6:47 PM To: Carlye Sycz Cc: Kaitlyn Stutz: Peter Downey Subject: Friday workshop on regional impacts

Hey Carlye,

We caught up with Paul on the Friday workshop. He wanted us to make sure Mike was happy with the approach - we'll be getting a draft of the slides tonight but I wonder if it would be possible to catch you and Mike for 15 minutes Thursday at all to run you through them?

Paul also mentioned that he thought you would have good maps for export coal mines as well. Just thought I'd check if you had something you were already using for this otherwise I'll get the team to pull one together based on the info Pete already provided.

Cheers, Leanne

** Disclaimer *******

The contents of this electronic message and any attachments are intended only for the addressee and may contain privileged or confidential information. They may only be used for the purposes for which they were supplied. If you are not the addressee, you are notified that any transmission, distribution, downloading, printing or photocopying of the contents of this message or attachments is strictly prohibited. The privilege or confidentiality attached to this message and attachments is not waived, lost or destroyed by reason of mistaken delivery to you. If you receive this message in error please notify the sender by return e-mail or telephone.

Please note: the Department of Housing and Public Works carries out automatic software scanning, filtering and blocking of E-mails and attachments (including emails of a personal nature) for detection of viruses, malicious code, SPAM, executable programs or content it deems unacceptable. All reasonable precautions will be taken to respect the privacy of individuals in accordance with the Information Privacy Act 2009 (Old). Personal information will only be used for official purposes, e.g. monitoring Departmental Personnel's compliance with Departmental Policies. Personal information will not be divulged or disclosed to others, unless authorised or required by Departmental Policy and/or law.

Thank you.

Mine Name	
Baralaba North Coal Mine	
Blackrock	
Blackwater	
Blair Athol	
Bluff	
Broadlea	
Burton	
Byerwen Coal Mine	
Callide Complex	
Cameby Downs	
Capcoal Mine Complex (Grasstree, Aquila, Lake Lindsay, Oak Park, W2)	3
Carborough Downs Coal Mine	S
Carmichael Coal Mine	0
Caval Ridge	5
Clermont Coal Mine	
Codrilla	
Collinsville)
Colton Coal Mine	
Collinsville Colton Coal Mine Commodore Mine Cook Mine	
Cook Mine	
Coppabella Opencut Coal Mine	
Curragh Coal Mine	
Daunia O	
Dawson Central and North	
Dawson South	
Dysart East	
agle Downs	
nsham Coal Mine	
Foxleigh	
Goonyella Riverside (OC) & Broadmeadow (UG)	
Gregory (OC) Crinum (UG) Mine	
Grosvenor	
Hail Creek	
Ironbark No 1 Isaac Downs	
Isaac Downs Isaac Plains Complex	
Jeebropilly Project	
Jellinbah Mine	

Jellinbah Plains Johnson Extended Project **Kestrel Coal Mine** Kogan Creek Lake Lindsay Lake Vermont Mackenzie North Project ed on Refl Act 2009 Meandu Mine Meteor Downs South Middlemount Coal Mine Millennium Coal Mine Minerva Coal Project Minyango Moorvale **Moorvale South** Moranbah North Mulgildie New Acland New Burton New Lenton New Oakleigh Newlands Coal Mine North Goonyella **Norwich Park** Oak Park Oaky Creek Coal Mine **Olive Downs** Peak Downs Poitrel Poitrel (& Daunia MIA) OCoal Northern Hub **Rolleston Mine** Saraji South Walker Creek South Walker Creek (Bee Creek) **Togara North** Vulcan Wandoan Stage 1 Wandoan Stage 1 Wards Well

Published on Peril Act 2009

Authorised Holder

Parent Company

BARALABA COAL PTY LTD Cook Resource Mining Pty Ltd BHP Coal Pty Ltd ORION MINING PTY LTD Carabella Resources Pty Ltd FITZROY (CQ) PTY LTD Peabody (Burton Coal) Pty Ltd BYERWEN COAL PTY LTD Batchfire Callide Pty Ltd SYNTECH RESOURCES PTY LTD ANGLO COAL (GERMAN CREEK) PTY LTD Fitzroy (CQ) Pty Ltd Adani Mining Pty Ltd BHP Coal Pty Ltd GS COAL PTY LTD PEABODY COPPABELLA PTY LTD NC COAL COMPANY PTY LIMITED New Colton Coal Pty Ltd QUEENSLAND POWER COMPANY PTY LTD **Constellation Mining Pty Ltd** PEABODY COPPABELLA PTY LTD Coronado Curragh Pty Ltd BHP Coal Pty Ltd ANGLO COAL (DAWSON) LIMITED ANGLO COAL (DAWSON SOUTH) PTY LTD BENGAL COAL PTY LTD SOUTH32 EAGLE DOWNS PTY LTD IDEMITSU AUSTRALIA RESOURCES PTY LTD CAML RESOURCES PTY LTD BHP Coal Pty Ltd SOJITZ GREGORY CRINUM PTY LTD ANGLO COAL (GROSVENOR) PTY LTD HAIL CREEK COAL HOLDINGS PTY LIMITED FITZROY (CQ) PTY LTD Stanmore IP South Pty Ltd Stanmore IP Coal Pty Ltd JEEBROPILLY COLLIERIES PTY. LTD. JELLINBAH GROUP PTY LTD

Liberty Mining and Minerals Glencore BMA - BHP TerraCom Wealth Resources **Fitzroy QLD Resources Limited** Peabody QCoal etor Bachfire Yancoal Anglo Fitzroy QLD Resources Limited **Bravus Mining & Resources** BMA - BHP Glencore Peabody Glencore **EWAM Energy Pty Ltd** Queensland Power Company QCoal Peabody Coronado Resources Inc. BMA - BHP Anglo Anglo **Bengal Energy Ltd** South32 Idemitsu Kosan Co. Ltd Caml Resources BMA - BHP Sojitz Anglo Glencore Fitzroy QLD Resources Limited Stanmore Stanmore New Hope Group Jellinbah Group

JELLINBAH GROUP PTY LTD PEABODY COPPABELLA PTY LTD **KESTREL COAL RESOURCES PTY LTD** ABERDARE COLLIERIES PROPRIETARY LIMITED ANGLO COAL (GERMAN CREEK) PTY LTD BOWEN BASIN COAL PTY. LTD. JELLINBAH GROUP PTY LTD TEC COAL PTY LTD SOJITZ COAL MINING PTY LTD MIDDLEMOUNT COAL PTY LTD MetRes Pty Ltd MINERVA COAL PTY LTD CONSTELLATION MINING PTY LTD PEABODY COPPABELLA PTY LTD PEABODY COPPABELLA PTY LTD MORANBAH NORTH COAL PTY LTD MONTO COAL 2 PTY LTD New Acland Coal Pty Ltd NEW LENTON COAL PTY LTD NEW LENTON COAL PTY LTD NEW OAKLEIGH COAL PTY. LTD. NC COAL COMPANY PTY LIMITED PEABODY (BOWEN) PTY LTD **BHP Coal Pty Ltd** ANGLO COAL (GERMAN CREEK) PTY LTD OAKY CREEK HOLDINGS PTY LIMITED PEMBROKE OLIVE DOWNS PTY LTD BHP Coal Pty Ltd BHP Billiton Mitsui Coal Pty Ltd BHP Coal Pty Ltd NORTHERN HUB (DRAKE) PTY LTD ROLLESTON COAL HOLDINGS PTY LIMITED BHP Coal Pty Ltd BHP Billiton Mitsui Coal Pty Ltd BHP Billiton Mitsui Coal Pty Ltd ENEX TOGARA PTY LIMITED Queensland Coking Coal Pty Ltd WANDOAN HOLDINGS PTY LIMITED WANDOAN HOLDINGS PTY LIMITED BHP Billiton Mitsui Coal Pty Ltd

Jellinbah Group Peabody Kestral Coal Res - EMR Capital CS Energy Anglo Jellinbah Group Jellinbah Group Stanwell Sojitz/Endocoal Peabody MetRes Sojitz Bounty Cook (Sub let from Glencore) -> QCoal Peabody Peabody Anglo QCoal New Hope Group New Hope Group New Hope Group New Hope Group Glencore Peabody BMA - BHP Anglo Glencore Pembroke BMA - BHP BMC - BHP BMA - BHP OCoal Glencore BMA - BHP BMC - BHP BMC - BHP Glencore Vitrinite Glencore Glencore BMC - BHP

Yancoal

Published on Retline 2009

Status	Location	Commencement of Project	Mine Life
Operating	7 km north of the Baralaba townsh	2014	20
Pre-construction	4 km south of Blackwater		30
Operating	10 km south of Blackwater	1976	50
Operating	17 km north west of Clermont	2019	6
Care and Maintenance	20 km east of Blackwater	2019	15
Care and Maintenance	15 km northeast of Moranbah	2006	NP
Care and Maintenance	27 km northeast of Moranbah	2012	0
Operating	140 km west of Mackay	2017	30+
Operating	19 km north of Biloela	1950	30+
Operating	14 km east of Miles	2010	72
Operating	25 km southwest of Middlemount	1981	23
Operating	20 km east Moranbah	2006	6
Construction	300 km West of Mackay	2021	50+
Operating	19 km south southeast of Moranb	2012	
Operating	16 km north of Clermont	2010	5
Pre-construction	57 km east of Moranbah	0	17
Operating	3 km southwest of Collinsville	1922	
Pre-construction	10 km north of Maryborough	2022	10
Operating	5 km south of Millmerran	0	40
Care and Maintenance	14 km south of Blackwater	1970	10
Operating	10 km east of Coppabella	1998	12-
Operating	30 km north of Blackwater	1983	19
Operating	25 km southeast of Moranbah	2012	18+
Operating	4 km east of Moura	1962	25
Operating	18 km south east of Moura	1962	25
Pre-construction	5 km east of Dysart	0	25
Care and Maintenance	25 km southeast of Moranbah	2011	50
Operating	40 km northeast of Emerald	1994	5+
Operating	12 km southeast of Middlemount	2000	11
Operating	30 km north of Moranbah	0	40
Operating	53 km north east of Emerald	2019	20+
Operating	Directly north of Moranbah towns	1990	24
Operating	85 km west of Mackay	2003	22
Pre-construction	30 km northeast of Moranbah	0	25
Pre-construction	10 km east of Moranbah	2022	16
Operating	7km east of Moranbah	2016	16
Care and Maintenance		1970	0
Operating	30 km north of Blackwater	1989	

Pre-construction	30 km northeast of Blackwater	2028	2
Pre-construction	10 km east of Coppabella	0	7
Operating	25 km north east of Emerald	2004	1
Operating	25 km southeast of Chinchilla	2006	2
Operating		2008	
Operating	18 km northeast of Dysart	2009	2
Construction	30 km northeast of Blackwater	2020	3
Operating	4 km west of Yarraman	1983	1
Operating	30 km southeast of Springsure	2018	1
Operating	6 km west of Middlemount	2009	1
Operating	20 km southeast of Moranbah	2005	2
Operating	45 km south of Emerald	2005	0
Pre-construction	1 km south of Blackwater	0	2
Operating	10 km southwest of Coppabella	2003	
Pre-construction	18 km south of Coppabella	2020	1
Care and Maintenance	15 km north of Moranbah	1999	2
Pre-construction	13 km south of Monto	0	1
Operating	35km North West Toowoomba	2002	3
Care and Maintenance	40 km northeast of Moranbah	2012	4
Pre-construction	20 km south of Glenden	0	
Care and Maintenance	Rosewood	1979	0
Operating	30 km northwest of Glenden	1983	2
Operating	40 km north of Moranbah	1993	
Care and Maintenance		1979	
Operating	70. K	2004	
Operating	25 km east of the Tieri	1982	1
Pre-construction	40 km south east of Moranbah	0	8
Operating	17 km south of Moranbah	1972	3
Operating	25 km southeast of Moranbah	2006	1
Operating		2006	
Operating	7 km south of Collinsville	2013	
Operating	15 km northwest of Rolleston	2019	2
Operating	25 km north of Dysart	1980	3
Operating	100 km northeast of Moranbah	1996	3
Pre-construction		1996	
Pre-construction	30 km south of Comet	0	
Pre-construction	33 km southeast of Moranbah	2022	3
Pre-construction	60 km south of Taroom	0	3
Pre-construction	60 km south of Taroom	0	3
Pre-construction	45 km north of Moranbah	0	5
			-

20+
7-Aug
15
25 +
25+
30
15
15
15
22
2.
20-21
10+
25
15
3
4
0
20
19
80
30
10
22
30
30
3
30
30
50

34

Expected End of	Coal Basin	
Mining 2040	Bowen	
tba	Bowen	
2050	Bowen	
2030	Bowen	
2031	Bowen	
N/A	Bowen	
2016	Bowen	
2060	Bowen	
2070	Callide	
2100	Surat	
2022	Bowen	
2026	Bowen	
2071+	Galilee	
2050	Bowen	
2026	Bowen	C
2040	Bowen	6
NP	Bowen	60
2032	Maryborough	
2040	Clarence-Moreton	S. Y. K
	Bowen	urces C
2032	Bowen	
2034	Bowen	
2045	Bowen	
2040	Bowen	
2045	Bowen	
2045	Bowen	
2070	Bowen	
2024	Bowen	
2035	Bowen	
2064	Bowen	
2040	Bowen	
2039	Bowen	
2041	Bowen	
2040	Bowen	
2038	Bowen	
2037	Bowen	
2019	Clarence-Moreton	
2050	Bowen	

2040	Bowen
2023	Bowen
2034	Bowen
2045	Surat
2044	Bowen
2045	Bowen
2050	Bowen
2035	Tarong
2035	Bowen
2037	Bowen
2039	Bowen
2021	Bowen
2045	Bowen
NP	Bowen Bowen Bowen Bowen Bowen Bowen
NP	Bowen
2030	Bowen
2050	Mulgildie
2024	Clarence-Moreton
2016	Bowen
NP	Bowen
2013	Bowen Bowen Mulgildie Clarence-Moreton Bowen Bowen West Moreton Coalfield Bowen Bowen
2040	Bowen
2023	Bowen
N/A	Bowen
2044	Bowen
2030	Bowen
2099	Bowen
2050	Bowen
2034	Bowen
2034	Bowen
2045	Bowen
2040	Bowen
2045	Bowen
2084	Bowen
2060	Bowen
2040	Bowen
2025	Bowen
2055	Surat
2055	Surat
2070	Bowen

2055	Bowen
------	-------

Published on Restlice 2009

Measures Sequence	DP Expiry	Current FTE
Baralaba Coal Measures	30/10/2026	300
Rangal Coal Measures		
Rangal Coal Measures	30/6/2020	2000
Blair Athol Measures	30/05/2022	181
Rangal Coal Measures	31/12/2023	
Rangal Coal Measures	29/06/2021	0
Fort Cooper Coal Measures	30/04/2022	20
Moranbah Coal Measures	12/05/2024	691
Callide Coal Measure	1/10/2023	820
Taroom Measures	31/12/2022	172
Rangal Coal Measures	31/03/2025	1000
Rangal Coal Measures	2/01/2024	562
Permian sequence	30/06/2023	496
Moranbah Coal Measures	14/06/2025	1600
Wolfgang Measures	31/03/2023	620
Fort Cooper Coal Measures	30/06/2022	0
Collinsville Coal Measures	19/12/2019	550
Barrum Coal Measures	29/04/2022	
Walloon Coal Measures	30/06/2022	100
Rangal Coal Measures	30/04/2021	
German Creek Formation	31/01/2023	500
Rangal Coal Measures	30/06/2022	1864
Rangal Coal Measures	30/06/2020	850
Baralaba Coal Measures	30/06/2024	1499
Baralaba Coal Measures	31/12/2023	1499
Moranbah Coal Measures and Fort Cooper Coal Measures	31/03/2023	0
Moranbah Coal Measures	18/08/2020	10
Rangal Coal Measures	30/04/2025	783
Rangal Coal Measures	16/04/2023	600
Moranbah Coal Measures	31/12/2024	3450
German Creek Formation	1/07/2024	396
Fort Cooper	30/10/2021	819
Fort Cooper Coal Measures	31/12/2024	1239
Rangal Coal Measures	14/12/2025	0
Rangal Coal Measures	31/07/2026	
Rangal Coal Measures	31/12/2025	299
Walloon Coal Measures	29/02/2020	101
Rangal Coal Measures	30/04/2022	400

Rangal Coal Measures Rangal Coal Measures Moranbah Coal Measures Jundah Coal Measures **Rangal Coal Measures Rangal Coal Measures Rangal Coal Measures** Meandu Deposit **Rangal Coal Measures Rangal Coal Measures Rangal Coal Measures** Minerva Deposit **Rangal Coal Measures** Fort Cooper Coal Measures **Rangal Coal Measures Rangal Coal Measures Mulgildie Coal Measures** Walloon Coal Measures Fort Cooper Coal Measures Fort Cooper Coal Measures Walloon Coal Measures **Rangal Coal Measures Rangal Coal Measures** Moranbah Coal Measures **Rangal Coal Measures** German Creek Formation **Rangal Coal Measures** Moranbah Coal Measures **Rangal Coal Measures Rangal Coal Measures** Fort Cooper Fort Cooper Coal Measures Moranbah Coal Measures **Rangal Coal Measures Rangal Coal Measures Rangal Coal Measures** Moranbah Coal Measures Jundah Coal Measures Jundah Coal Measures Moranbah Coal Measures

	31/07/2022	225
	31/05/2024	500
	31/12/2022	1000
	28/02/2025	75
	31/03/2025	1000
	30/04/2025	995
	30/04/2023	40
	28/02/2021	0
	30/11/2020	40
	9/01/2025	600
	15/07/2026	100
	30/11/2021	200
	31/12/2023	0
	30/06/2022	400
	1/04/2024	400
	31/12/2022	1300
	30/06/2024	3
S	30/09/2022	158
	30/04/2022	20
	30/06/2023	0
	31/03/2025	4
	28/02/2021	768
	31/08/2025	230
	30/06/2020	250
0° X -	31/03/2025	1000
	31/08/2024	1000
	29/09/2025	2
	30/06/2025	2300
	30/06/2025	700
	30/06/2025	700
	15/08/2022	600
	31/12/2021	1000
	30/06/2020	2000
	30/06/2025	870
	30/06/2025	870
	31/01/2025	0
	30/09/2026	
	7/08/2022	17
	7/08/2022	17
	30/06/2025	0

Published on Retline 2009

PCI and Thermal2.5Thermal00Metallurgical and Thermal1614Thermal171.5PCI1.21Metallurgical and Thermal00Metallurgical and Thermal00Metallurgical and Thermal00Metallurgical and Thermal10013PCI and Thermal1003PCI and Thermal74.71Metallurgical and PCI1.51Metallurgical and PCI1.8.3227Metallurgical and Thermal1210Thermal1210Thermal1.210Metallurgical and Thermal00Metallurgical and Thermal00Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal65Metallurgical and Thermal1.2NPMetallurgical and Thermal1.53Metallurgical APCI65PCI and Thermal16.51.3.5Metallurgical and PCI65PCI and Thermal1.63.5PCI and Thermal1.725.72Metallurgical and Thermal2.57.2Metallurgical and Thermal2.57.2Metallurgical and Thermal2.63.7Metallurgical and Thermal2.61.1Metallurgical and Thermal2.61.1Metallurgical and Thermal2.61.1<	Coal Type	Current Annual ROM Mtpa	Total Annual Saleable Mtpa
Metallurgical and Thermal1614Thermal171.15PCI1.21.4Metallurgical and Thermal00Metallurgical and Thermal00Metallurgical and Thermal103PCI and Thermal03Thermal32.5PCI and Thermal1.31Metallurgical and PCI1.51Thermal1.21.0Metallurgical and PCI1.21.0Metallurgical and PCI1.21.0Metallurgical and Thermal1.21.0Metallurgical and Thermal00Metallurgical and Thermal1.21.0Metallurgical and Thermal1.21.0Metallurgical and Thermal0.41.0Metallurgical and Thermal1.21.0Metallurgical and Thermal1.2NPMetallurgical and Thermal1.53.5Metallurgical and PCI65PCI and Thermal1.6.53.5Metallurgical And PCI65PCI and Thermal1.01.0PCI and Thermal1.01.0PCI and Thermal1.01.0Metallurgical and PCI1.01.0PCI and Thermal1.01.0PCI and Thermal1.01.0PCI and Thermal1.01.0PCI and Thermal1.01.0PCI and Thermal1.01.0PCI and Thermal1.01.0PCI an	PCI and Thermal	2.5	
n 17 11.5 PCI 1.2 1 Metallurgical and Thermal 0 0 Metallurgical and Thermal 0 0 Metallurgical and Thermal 100 Response PCI and Thermal 100 13 PCI and Thermal 3 2.5 PCI and Thermal 1.5 1 Metallurgical and PCI 1.5 1 Thermal 1.2 27 Metallurgical and Thermal 1.2 1.1 Metallurgical and Thermal 0 0 Metallurgical and Thermal 0 0 Metallurgical and Thermal 0 0 Metallurgical and Thermal 0.94 PCI and Thermal Metallurgical and Thermal 0.94 1 PCI and Thermal 1.5 4 Metallurgical And PCI 6 5 PCI and Thermal 1.5 1 Metallurgical and PCI 6 5 PCI and Thermal 1.6 5 PC	Thermal	0	0
PCI1.21.4Metallurgical and Thermal00Metallurgical and Thermal00Metallurgical10013PCI and Thermal32.5PCI and Thermal1.53Metallurgical and PCI1.510Metallurgical and PCI1.31.0Metallurgical and Thermal1.21.0Metallurgical and Thermal1.21.0Metallurgical and Thermal00Metallurgical and Thermal00Metallurgical and Thermal0.41.0Metallurgical and Thermal0.40Metallurgical and Thermal0.941.0PCI and Thermal0.941.0PCI and Thermal0.041.0Metallurgical and PCI0.01.0Metallurgical and PCI0.01.0Metallurgical and PCI0.01.0Metallurgical and PCI0.00.0PCI and Thermal0.21.0Metallurgical and PCI0.00.0PCI and Thermal0.00.0Metallurgical and PCI0.00.0Metallurgical and PCI0.000.00Metallurgical and PCI0.000.0Metallurgical and PCI0.00.0Metallurgical and PCI0.00.0Metallurgical and PCI0.00.0Metallurgical and PCI0.00.0Metallurgical and PCI0.00.0Metallurgical and PCI0.00.0 <tr< td=""><td>Metallurgical and Thermal</td><td>16</td><td>14</td></tr<>	Metallurgical and Thermal	16	14
Metallurgical and Thermal00Metallurgical00Metallurgical10013PCI and Thermal32.5PCI and Thermal74.71Metallurgical and PCI1.51Thermal12.37Metallurgical and PCI1.210Thermal12.410Metallurgical and PCI2.51Metallurgical and Thermal12.410Metallurgical and Thermal05Metallurgical and Thermal6.43Metallurgical and Thermal5.48Metallurgical and Thermal1.2NPMetallurgical and Thermal6.43Metallurgical and Thermal6.43Metallurgical and Thermal1.53Metallurgical and Thermal1.53.5Metallurgical And PCI65PCI and Thermal6.51.5Metallurgical and PCI61.5PCI and Thermal6.51.5Metallurgical and PCI6.11.5Metallurgical and PCI7.23.2Metallurgical and Thermal2.5NPMetallurgical and PCI6.51.5Metallurgical a	Thermal	17	11.5
Metallurgical and Thermal00Metallurgical10013PCI and Thermal32.5PCI and Thermal74.71Metallurgical and PCI1.51Thermal12.02.7Metallurgical and PCI1.210Metallurgical and PCI2.210Metallurgical and PCI2.210Metallurgical and Thermal12.010Metallurgical and Thermal65Metallurgical and Thermal5.33Metallurgical and Thermal5.33Metallurgical and Thermal6.91.3Metallurgical and Thermal6.91.3Metallurgical and Thermal6.91.3Metallurgical and Thermal6.91.3Metallurgical and Thermal6.91.3Metallurgical and PCI6.05PCI and Thermal6.01.3Metallurgical and PCI6.11.3PCI and Thermal6.11.3Metallurgical and PCI7.23.7Metallurgical and PCI6.13.1Metallurgical and Thermal2.5NPMetallurgical and Thermal2.5NPMetallurgical and Thermal1.00Metallurgical and PCI9.005Metallurgical and PCI9.005Metallurgical and Thermal2.61.4Metallurgical and Thermal2.61.4Metallurgical and Thermal2.61.4Metallurgical and Thermal2.61.4 </td <td>PCI</td> <td>1.2</td> <td>1</td>	PCI	1.2	1
Metallurgical10NPPCI and Thermal10013Thermal32.5PCI and Thermal74.71Metallurgical and PCI1.51Thermal8.3227Metallurgical1210Thermal1210Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal1.2NPMetallurgical and Thermal0.947Thermal0.941.3Thermal0.941.3Metallurgical and Thermal6.53.6Metallurgical and Thermal16.53.6Metallurgical and Thermal16.53.6Metallurgical and Thermal16.53.6Metallurgical and PCI65PCI and Thermal16.53.6PCI and Thermal1.63.6PCI and Thermal65PCI and Thermal65PCI and Thermal6.13.1Metallurgical and Thermal6.15PCI and Thermal2.5NPMetallurgical and Thermal2.6NPMetallurgical and Thermal2.61.0PCI and Thermal9.00.05PCI and Thermal2.61.1Metallurgical and Thermal2.61.1Metallurgical and Thermal2.62.1Metallurgical and Thermal2.62.1Metallurgical and Thermal2.62.1Metal	Metallurgical and Thermal	0	0
PCI and Thermal10013Thermal32.5PCI and Thermal74.71Metallurgical and PCI1.51Thermal18.3227Metallurgical1210Thermal21.1Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal1.2NPMetallurgical and Thermal0.947Thermal0.947PCI and Thermal6.53.6Metallurgical And Thermal16.53.6Metallurgical and Thermal16.53.6Metallurgical and Thermal16.53.6Metallurgical and Thermal16.53.6Metallurgical and Thermal16.53.6PCI and Thermal65PCI and Thermal65PCI and Thermal65PCI and Thermal65PCI and Thermal7.25.72Metallurgical and Thermal2.65Metallurgical and Thermal2.61.6Metallurgical and Thermal0.005Metallurgical and Thermal2.63.1Metallurgical and Thermal2.63.1Metallurgical and Thermal3.34.7Metallurgical and Thermal3.33.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.43.4Metallurgical and Thermal <td>Metallurgical and Thermal</td> <td>0</td> <td>0</td>	Metallurgical and Thermal	0	0
Ihermal32.5PCI and Thermal74.71Metallurgical and PCI151Thermal18.3227Metallurgical1210Thermal121Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal3.53Metallurgical Antermal0.941PCI and Thermal10.53.5Metallurgical Antermal6.53.5Metallurgical Antermal6.53.5Metallurgical Antermal6.53.5Metallurgical Antermal16.53.5Metallurgical Antermal6.65PCI and Thermal0.03.5Metallurgical and PCI65PCI and Thermal6.13.6Metallurgical Antermal6.723.72Metallurgical Antermal6.725.72Metallurgical and Thermal2.63.6Metallurgical and PCI93.005Metallurgical and Thermal3.63.005Metallurgical and Thermal2.62.1Metallurgical and Thermal2.63.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.43.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.43	Metallurgical	10	NP
PCI and Thermal74.71Metallurgical and PCI1.51Thermal18.327Metallurgical1210Thermal121Metallurgical and Thermal00Metallurgical and Thermal1.2NPMetallurgical and Thermal3.5SMetallurgical and Thermal0.94-Thermal0.94-PCI and Thermal16.53.5Metallurgical and PCI65PCI and Thermal16.53.5Metallurgical and PCI65PCI and Thermal16.510PCI and Thermal16.010PCI and Thermal16.010PCI and Thermal0.010PCI and Thermal5.725.72Metallurgical7.25.72Metallurgical and PCI2.5NPMetallurgical and PCI90.005Metallurgical0.0060.005PCI and Thermal2.62.1Metallurgical and Thermal2.62.4Metallurgical and Thermal2.62.4Metallurgical and Thermal2.62.4Metallurgical and Thermal2.63.4Metallurgical and Thermal2.63.4Metallurgical and Thermal2.63.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.63.4Metallurgical and Thermal3.6	PCI and Thermal	100	13
Metallurgical and PCI1.51Thermal18.3227Metallurgical1210Thermal211Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal1.2NPThermal0.947Thermal0.941.3Metallurgical And PCI63PCI and Thermal16.53Metallurgical And PCI610PCI and Thermal16.410PCI and Thermal16.410PCI and Thermal65PCI and Thermal65PCI and Thermal16.410PCI and Thermal65PCI and Thermal65PCI and Thermal65PCI and Thermal65PCI and Thermal65PCI and Thermal65PCI and Thermal65Metallurgical and Thermal65Metallurgical and Thermal65Metallurgical and Thermal65Metallurgical and Thermal65Metallurgical and Thermal10.005PCI and Thermal99Metallurgical and Thermal6.005PCI and Thermal6.110Metallurgical and Thermal6.30.015PCI and Thermal6.36.1Metallurgical and Thermal7.43.4Metallurgical and Thermal7.4<	Thermal	3	2.5
Thermal 18.32 27 Metallurgical 12 10 Thermal 12 11 Metallurgical and Thermal 0 0 Metallurgical and Thermal 6 5 Metallurgical and Thermal 6 3 Thermal 3.5 3 Thermal 0.94 - PCI and Thermal 4.5 4 Metallurgical, PCI and Thermal 6.5 13.5 Metallurgical and PCI 6 5 PCI and Thermal 16.5 10 Metallurgical and PCI 6 5 PCI and Thermal 16.5 10 Metallurgical and PCI 6 10 Metallurgical and PCI 8 5 PCI and Thermal 5.72 5.72 Metallurgical and Thermal 2.5 NP Metallurgical and PCI 2.5 NP Metallurgical and Thermal 2.6 .005 PCI and Thermal 2.6 1.1 Metallurgical and The	PCI and Thermal	7	4.71
Metallurgical1210Thermal1211Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal1.2NPThermal3.53Thermal0.94-PCI and Thermal4.54Metallurgical, PCI and Thermal16.53.5Metallurgical and PCI65PCI and Thermal16.510PCI and Thermal16.410PCI and Thermal16.410PCI and Thermal16.410PCI and Thermal65PCI and Thermal5.75.72Metallurgical and PCI65PCI and Thermal5.725.72Metallurgical and PCI2.5NPMetallurgical and PCI0.0050.005PCI and Thermal0.0060.005PCI and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and PCI3.32.47	Metallurgical and PCI	1.5	1
Ihermal1211Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal1.2NPThermal3.53Thermal0.94-PCI and Thermal4.54Metallurgical, PCI and Thermal16.53.5PCI and Thermal65PCI and Thermal0TBAPCI and Thermal16.510Metallurgical and PCI65PCI and Thermal16.510PCI and Thermal16.510PCI and Thermal16.55PCI and Thermal5.725.72Metallurgical05PCI and Thermal5.725.72Metallurgical and PCI265Metallurgical and PCI0.0050.005PCI and Thermal90.005PCI and Thermal9.13.3Metallurgical and PCI3.32.47Metallurgical and PCI3.32.47	Thermal	18.32	27.0
Metallurgical and ThermalOOMetallurgical and Thermal3.5NPThermal3.53Thermal0.94-PCI and Thermal4.54Metallurgical, PCI and Thermal6.53.5Metallurgical and PCI65PCI and Thermal0.94-Metallurgical, PCI and Thermal16.53.5PCI and Thermal05PCI and Thermal0BAPCI and Thermal00Metallurgical and PCI00PCI and Thermal16.53.6PCI and Thermal85PCI and Thermal5.725.72Metallurgical and PCI265.72Metallurgical and PCI2.5NPMetallurgical and PCI90.005PCI and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and PCI3.73.4	Metallurgical	12	10
Metallurgical and Thermal65Metallurgical1.2NPThermal3.53Thermal0.94-PCI and Thermal4.54Metallurgical, PCI and Thermal16.513.5Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal16.50PCI and Thermal160PCI and Thermal00PCI and Thermal160PCI and Thermal80PCI and Thermal5.725.72Metallurgical and PCI2625Metallurgical and PCI0.0060.005PCI and Thermal99Metallurgical and PCI3.32.47Metallurgical and Thermal2.62.3	Thermal	12	11
Metallurgical1.2NPThermal3.53Thermal0.94-PCI and Thermal4.54Metallurgical, PCI and Thermal16.513.5Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal16.510Metallurgical00PCI and Thermal160PCI and Thermal160Metallurgical00PCI and Thermal85Thermal5.725.72Metallurgical and Thermal2625Metallurgical and PCI90.005PCI and Thermal9.0060.005PCI and Thermal2.62.1Metallurgical and Thermal3.32.47Metallurgical and PCI3.72.3	Metallurgical and Thermal	0	0
PCI and Thermal4.54Metallurgical, PCI and Thermal16.513.5Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal160Metallurgical00Metallurgical00Metallurgical5.725.72Thermal5.725.72Metallurgical and PCI265Metallurgical and PCI2.5NPMetallurgical and PCI0.0060.005PCI and Thermal99Metallurgical and PCI2.62.1Metallurgical and Thermal2.72.3	Metallurgical and Thermal	6	5
PCI and Thermal4.54Metallurgical, PCI and Thermal16.513.5Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal160Metallurgical00Metallurgical00Metallurgical5.725.72Thermal5.725.72Metallurgical and PCI265Metallurgical and PCI2.5NPMetallurgical and PCI0.0060.005PCI and Thermal99Metallurgical and PCI2.62.1Metallurgical and Thermal2.72.3	Metallurgical	1.2	NP
PCI and Thermal4.54Metallurgical, PCI and Thermal16.513.5Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal160Metallurgical00Metallurgical00Metallurgical5.725.72Thermal5.725.72Metallurgical and PCI265Metallurgical and PCI2.5NPMetallurgical and PCI0.0060.005PCI and Thermal99Metallurgical and PCI2.62.1Metallurgical and Thermal2.72.3	Thermal	3.5	3
Metallurgical, PCI and Thermal16.513.5Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal160Metallurgical00PCI and Thermal85Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI265Metallurgical and PCI0.0060.005Metallurgical99Metallurgical and PCI2.62.1Metallurgical and Thermal2.62.47Metallurgical and Thermal2.72.3	Thermal	0.94	
Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal1610Metallurgical00PCI and Thermal85Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI26SMetallurgical0.0060.005PCI and Thermal99Metallurgical and PCI2.62.1Metallurgical and Thermal3.32.47Metallurgical and PCI3.72.3	PCI and Thermal	4.5	4
PCI and Thermal0TBAPCI and Thermal1610Metallurgical00PCI and Thermal85Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI2625Metallurgical0.0060.005PCI and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Metallurgical, PCI and Thermal	16.5	13.5
PCI and Thermal1610Metallurgical00PCI and Thermal85Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI2625Metallurgical0.0060.005Metallurgical90.005Metallurgical and PCI3.32.47Metallurgical and PCI3.32.47	Metallurgical and PCI	6	5
Metallurgical00PCI and Thermal85Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI2625Metallurgical2.5NPMetallurgical0.0060.005PCI and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and PCI2.72.3	PCI and Thermal	0	ТВА
PCI and Thermal85Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI2625Metallurgical2.5NPMetallurgical0.0060.005PCI and Thermal99Metallurgical and PCI2.62.1Metallurgical and Thermal3.32.47Metallurgical and PCI2.72.3	PCI and Thermal	16	10
Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI2625Metallurgical2.5NPMetallurgical0.0050.005PCI and Thermal99Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Metallurgical	0	0
Metallurgical and Thermal43Metallurgical and PCI2625Metallurgical2.5NPMetallurgical0.0060.005PCI and Thermal99Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	PCI and Thermal	8	5
Metallurgical and PCI2625Metallurgical2.5NPMetallurgical0.0060.005PCI and Thermal99Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Thermal	5.72	5.72
Metallurgical2.5NPMetallurgical0.0060.005PCI and Thermal99Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Metallurgical and Thermal	4	3
Metallurgical0.0060.005PCI and Thermal99Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Metallurgical and PCI	26	25
PCI and Thermal99Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Metallurgical	2.5	NP
Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Metallurgical	0.006	0.005
Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	PCI and Thermal	9	9
Metallurgical and Thermal 2.7 2.3	Metallurgical and Thermal	2.6	2.1
	Metallurgical and PCI	3.3	2.47
Thormal 0 0	Metallurgical and Thermal	2.7	2.3
	Thermal	0	0
PCI 5.5 5	PCI	5.5	5

PCI and Thermal	1	1
PCI and Thermal	0	0
Metallurgical	7	5
Thermal	2.8	0
PCI and Thermal	0.5	ТВА
Metallurgical and PCI	11	9
PCI and Thermal	0	0
Thermal	9.5	7.5
Thermal	0.5	0
Metallurgical and Thermal	5	NP
Metallurgical and PCI	0.6	0.5
Thermal	7	2
PCI and Thermal	0	0
PCI and Thermal	3	2 5
PCI and Thermal	1.5	1
Metallurgical and PCI	9	8
Thermal	0	0
Thermal	6	4
Metallurgical and Thermal	0	0
Metallurgical and Thermal	1	0.7
Thermal		0
Metallurgical and Thermal	7 6 5	5.5
Metallurgical	0.2	0.16
Metallurgical	0	0
PCI and Thermal	5	ТВА
Metallurgical	5	NP
Metallurgical	15	0
Metallurgical	25	19
Metallurgical and PCI	7	5
Metallurgical and PCI	7	5
Metallurgical	0.5	NP
Metallurgical and PCI	17	15
Metallurgical and PCI	18	10
PCI and Thermal	9	7
PCI and Thermal	9	7
PCI and Thermal	0	0
Metallurgical and Thermal	1.9	1.3
Thermal	30	22
Thermal	30	22
	0	0

4

JORC Code Edition	Year of Estimate	Total Resources Project Mt	Measured Mt	Indicated Mt	Inferred Mt
2012	2016	96.8	26.4	39.9	30.5
2012	2016	273.1	0	116.2	156.9
2012	2019	1881	375	506	1000
2012	2018	45	31	12	2
2012	2018	81	0	40	42
NP	N/A	219.6	NP	NP	219.6
NP	2016	286	150	116	20
2012	2016	2183	384	643	1156
2012	2018	1064	664	345	55
2012	2017	315	190	55	70
2012	2018	384	66.95	NP	NP
2012	2017	177	92	50	35
2012	2014	11120	4000	3300	3820
2012	2019	760	423	207	130
2012	2018	113	90	18	5
NP	2016	190	76	67	47
2012	2017	485	100	235	150
2012	2018	24	0	9	15
NP	2018	95	NP	NP	NP
2012	2019	210	15	155	40
NP	2017	63	23	17	23
2012	2017	172.7	165.7	6.9	0
2012	2019	151	105	35	10.6
2012	2012	852	292	291	316
2012	2018	237	120	89	27
NP	2013	215	0	145	70
2012	2020	1143	759	201	183
2012	2019	225	174	49	0
2012	2016	100	42	37	25
2012	2019	1874	1364	455	55
2012	2019	153	112	31	10
2012	2020	461	269	124	68
2012	2018	759	154	585	20
2012	2017	361	61	149	151
2012	2020	36	25	11	0
2012	2016	68	35	24	9
2012	2012	129	46	72	11
2012	2020	636	191	182	261

2012	2015	45	0	31	13
2012	NP	18	1	10	7
2012	2017	240	1	139	100
2012	2016	204.5	144.5	30	30
2012	2018	384	63.12	NP	NP
2012	2013	321	272	47	2
2012	2017	125	48	28	- 47
2012	2013	630	375	180	75
2004	2010	14	0	0	14
2012	2018	132	73	54	5
2012	2020	37	13	17	7
2004	2009	76	33	30	12
2012	2018	190	6	71	112
NP	2016	11	NP	NP	NP
NP	2018	15	NP	NP	NP
NP	2016	74	53	19	2
2012	2012	34	19	13	2
2012	2016	515	303	190	23
NP	2016	286	150	116	20
2012	2017	380	68	103	208
NP	N/A	0	0	0	0
2012	2017	848	307	123	418
SECnotJORC	2014	135	121	14	NP
2012	2019	507	221	128	118
2012	2018	384	51.25	NP	NP
2012	2018	700	248	350	110
2012	2016	813	272	334	207
2012	2019	2051	519	863	669
2012	2019	163	55	49	59
2012	2019	163	55	49	59
NP	N/A	2.5	NP	NP	NP
NP	2015	252	177	57	18
2012	2019	1023	844	137	42
2012	2019	740	251	283.7	190
2012	2019	740	251	283.7	190
2012	2018	449	357	40	52
2012	2019	15	5	4	6
2004	2011	2916	1226	500	1190
2004	2011	2916	1226	500	1190
2012	2019	1373	0	1224	149

2012	2018	208	106	82	20

Published on Peril Act 2009

Destination Port	Local_Government_Area	Mining Type
Gladstone	Central Highlands	Open-cut
tba	Central Highlands	tba
Hay Point	Central Highlands	Open-cut
Dalrymple Bay Gladstone	Isaac	Open-cut
Gladstone	Central Highlands	Open-cut
Dalrymple Bay	Isaac	Open-cut - truck and shovel
Dalrymple Bay	Isaac	Open-cut
Abbot Point	Isaac	Open-cut and UG
Domestic Gladstone	Banana	Open-cut
Brisbane	Western Downs	Open-cut and UG
Gladstone		UG - Longwall
	Central Highlands	UG - longwall, bord and pillar
Dalrymple Bay Coal Terminal	Isaac Charters Towers	
Abbot Point		Open-cut and UG- Longwall
Hay Point	Isaac	Open-cut
Dalrymple Bay	Isaac	Open-cut
Abbot Point	Isaac	Open-cut and UG
Abbot Point	Whitsunday	Open-cut
Gladstone	Fraser Coast	Open-cut - truck and shovel
Domestic	Toowoomba	Open-cut and UG
· · ·	Central Highlands	UG - Bord and pillar
	Isaac	Open-cut
Gladstone and Domestic	Central Highlands	Open-cut
Hay Point	Isaac	Open-cut
Gladstone	Banana	Open-cut
Gladstone	Banana	Open-cut
Gladstone	Isaac	Bord and Pillar
Hay Point	Isaac	UG - Longwall
Gladstone	Central Highlands	Open-cut and underground
Dalrymple Bay	Isaac	Open-cut
Dalrymple Bay	Isaac	Open-cut and UG
Gladstone	Central Highlands	investigating underground
DBCT	Isaac	UG - Longwall
Dalrymple Bay	Isaac	Open-cut
Dalrymple Bay	Isaac	Longwall
Darlymple Bay Coal Terminal	Isaac Regional Council	Open-cut
Dalrymple bay	Isaac	commencing ~2024
QBH Port Queensland	Ipswich	Open-cut
Gladstone	Central Highlands	Open-cut

Gladstone	Central Highlands	Open-cut
, , ,	Isaac	UG - Longwall
Gladstone	Central Highlands	UG - Longwall
Domestic	Western Downs	Open-cut
Gladstone	Isaac	Open-cut
Gladstone Port, Dalrymple Bay and	Alsaac	Open-cut
Gladstone	Isaac	Open-cut
Domestic	South Burnett	Open-cut and UG - Longwall
Gladstone	Central Highlands	Open-cut
Abbot Point	Isaac	Open-cut
Dalrymple Bay, Abbot Point	Isaac	Open-cut
Gladstone	Central Highlands	Open-cut
WICET	Central Highlands	UG - Longwall
	Isaac	Open-cut
	Isaac	Open-cut
Abbot Point	Isaac	UG - Longwall
Gladstone	North Burnett	Open-cut
Brisbane	Toowoomba	Open-cut
Dalrymple Bay	Isaac	Open-cut
Dalrymple Bay	Isaac	Open-cut
N/A	Ipswich	N/A
N/A Abbot Point	Ipswich Isaac	N/A Open-cut
	6	
Abbot Point	Isaac	Open-cut
Abbot Point Gladstone	Isaac Isaac	Open-cut Longwall
Abbot Point Gladstone Dalrymple Bay	Isaac Isaac Isaac	Open-cut Longwall Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone	Isaac Isaac Isaac Isaac	Open-cut Longwall Open-cut Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone	Isaac Isaac Isaac Isaac Central Highlands	Open-cut Longwall Open-cut Open-cut Longwall
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay	Isaac Isaac Isaac Isaac Central Highlands Isaac	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac	Open-cut Longwall Open-cut Dopen-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac	Open-cut Longwall Open-cut Dopen-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Isaac	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut Open-cut and UG - Longwall
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Abbot Point	Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Isaac Isaac Whitsunday	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut and UG - Longwall Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Hay Point Gladstone	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Isaac Whitsunday Central Highlands	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut Open-cut Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Abbot Point Gladstone Hay Point	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Isaac Whitsunday Central Highlands Isaac	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut Open-cut Open-cut Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Gladstone Hay Point Hay Point	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Isaac Whitsunday Central Highlands Isaac Isaac Isaac	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Gladstone Hay Point Hay Point Hay Point	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Whitsunday Central Highlands Isaac Isaac Isaac Isaac	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Gladstone Hay Point Hay Point Hay Point Gladstone	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Whitsunday Central Highlands Isaac Isaac Isaac Isaac Central Highlands	Open-cutOpen-cutOpen-cutOpen-cutOpen-cut and HighwallOpen-cut and UG - LongwallOpen-cut and UG - LongwallOpen-cut and UG - LongwallOpen-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Abbot Point Gladstone Hay Point Hay Point Hay Point Hay Point Gladstone	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Whitsunday Central Highlands Isaac Isaac Isaac Central Highlands Isaac	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut

Date : 27/01/2022 11:06:28 AM From : "Carlye Sycz" To : "Leanne CAELERS" Subject : FW: Map on exporting coal mines - DG workshop Attachment : Life of Mine.xlsx;image001.png; Hiya

The team was going to do some stuff on your map, but is this useful/easier for you?

С

Carlye Sycz

Executive Director, Reform Department of Resources 73(2)Irrelevant

From: Jacinda Chisholm <Jacinda.Chisholm@resources.qld.gov.au> Sent: Thursday, 27 January 2022 11:03 AM To: Carlye Sycz; Peter Downey Subject: FW: Map on exporting coal mines - DG workshop

Hey guys, was just about to get my team working on the map but it may be easier if we pass on data to Leanne and they do the design work? sti

See below what Alex has already pulled together.

Jacinda Chisholm A/Executive Director, Communication P: 07 3199 8262 Mp3(2) Irrelevant

From: Alex Grundy <<u>Alex.Grundy@resources.qld.gov.au</u>> Sent: Thursday, 27 January 2022 9:41 AM To: Darren Moor; Luke Croton Cc: Angela Hendy (Resources); Chris Shaw; Jacinda Chisholm Subject: RE: Map on exporting coal mines - DG workshop

Morning Darren,

I have data from our technical team on the current End Of Mine Life (EOML) for our Coal mines. The information is based on Initial and Later Development plans that have been lodged with the Department.

There is a lot of data in the attached so I was going to try and consolidate it a bit, but the yellow columns are where we have an expected end of mine life from the latest Development plan.

There are still a few gaps in the data that need checking, but in summary:

• We have 12 Coal Mines that have indicated a timeline past 2050

0		
Mine Name	Indicated End of Life	Product Coal
Carmichael Coal Mine	2071+	Thermal
Cameby Downs	2100	Thermal
Olive Downs	2099	Metallurgical
South Walker Creek	2084	PCI and Thermal
Callide Complex	2070	PCI and Thermal
Eagle Downs	2070	PCI and Thermal
Wards Well	2070	Metallurgical
Goonyella Riverside (OC) & Broadmeadow		
(UG)	2064	Metallurgical and PCI
Byerwen Coal Mine	2060	Metallurgical
South Walker Creek (Bee Creek)	2060	PCI and Thermal
Wandoan Stage 1	2055	Thermal
Yarrabee Mine	2055	Metallurgical and Thermal

date of 2050 or earlier with the following mines no longer indicating any mining in the future:

Minerva Coal Project

Jeebropilly Project

Burton

- New Burton
- New Oakleigh

We have a few gaps in our data due to how companies report across their mines, but this is the best data we have at the moment, without further in depth analysis,

Happy to get the tech team to look into the query in more depth if you are after something a bit more specific.

Data is attached. Mines with NP indicate that they are 'Not Producing' and so we don't have good data for the expected EOML. Some mines have already stopped operating and have passed their indicated EOML while we await sign off from the Department of Environment and Science.

Let me know if you have questions or need anything else. 21-469

The remaining 61 mines currently have an indicated end



Alex Grundy Principal Mining Registrar Coal Assessment Hub | Georesources Department of Resources

P: 07 4936 0161 M:73(2)Irrelevant E: alex.grundy@resources.qld.gov.au A: Building 'E', 25 Yeppoon Road, Parkhurst, QLD 4702 | PO Box 3679, Red Hill, Rockhampton North, QLD 4701 W: www.resources.qld.gov.au

From: Darren Moor <<u>Darren.Moor@resources.qld.gov.au</u>> Sent: Thursday, 27 January 2022 9:08 AM To: Luke Croton; Alex Grundy Cc: Angela Hendy (Resources); Chris Shaw; Jacinda Chisholm Subject: FW: Map on exporting coal mines - DG workshop

Hey Alex,

How did you go with the question about closure timeframes?

Jacinda - are you aware of maps with locations of coal exports on them? D

From: Carlye Sycz <<u>Carlye.Sycz@resources.qld.gov.au</u>> Sent: Thursday, 27 January 2022 7:49 AM To: Chris Shaw; Darren Moor Cc: Peter Downey Subject: Map on exporting coal mines - DG workshop

Hey Chis and Darren

Energy have asked whether we have maps with our exporting coal mines on them – they need it for that DG workshop (Chris – think you were cc'd into some emails earlier in the week about closure timeframes too?).

sclosure

Hoping it might be something we have on hand already? If so, could you please flick it through and I can get it to them.

Thanks! Carlye

Carlye Sycz Executive Director, Reform Department of Resources 73(2)Irrelevant

From: Leanne CAELERS <<u>Leanne.CAELERS@epw.qld.gov.au</u>> Sent: Tuesday, 25 January 2022 6:47 PM To: Carlye Sycz Cc: Kaitlyn Stutz; Peter Downey Subject: Friday workshop on regional impacts

Hey Carlye,

We caught up with Paul on the Friday workshop. He wanted us to make sure Mike was happy with the approach - we'll be getting a draft of the slides tonight but I wonder if it would be possible to catch you and Mike for 15 minutes Thursday at all to run you through them?

Paul also mentioned that he thought you would have good maps for export coal mines as well. Just thought I'd check if you had something you were already using for this otherwise I'll get the team to pull one together based on the info Pete already provided.

Cheers, Leanne

The contents of this electronic message and any attachments are intended only for the addressee and may contain privileged or confidential information. They may only be used for the purposes for which they were supplied. If you are not the addressee, you are notified that any transmission, distribution, downloading, printing or photocopying of the contents of this message or attachments is strictly prohibited. The privilege or confidentiality attached to this message and attachments is not waived, lost or destroyed by reason of mistaken delivery to you. If you receive this message in error please notify the sender by return e-mail or telephone.

Please note: the Department of Housing and Public Works carries out automatic software scanning, filtering and blocking of E-mails and attachments (including emails of a personal nature) for detection of viruses, malicious code, SPAM, executable programs or content it deems unacceptable. All reasonable precautions will be taken to respect the privacy of individuals in accordance with the Information Privacy Act 2009 (Qd). Personal information will only be used for official purposes, e.g. monitoring Departmental Personnel's compliance with Departmental Policies. Personal information will not be divulged or disclosed to others, unless authorised or required by 21-469 File D

Departmental Policy and/or law.

Thank you.

Mine Name
Baralaba North Coal Mine
Blackrock
Blackwater
Blair Athol
Bluff
Broadlea
Burton
Byerwen Coal Mine
Callide Complex
Cameby Downs
, Capcoal Mine Complex (Grasstree, Aquila, Lake Lindsay, Oak Park, W2)
Carborough Downs Coal Mine
Carmichael Coal Mine
Caval Ridge
Clermont Coal Mine
Codrilla
Collinsville
Colton Coal Mine
Collinsville Colton Coal Mine Commodore Mine Cook Mine
Cook Mine
Coppabella Opencut Coal Mine
Curragh Coal Mine
Daunia
Dawson Central and North
Dawson South
Dysart East
Eagle Downs
Ensham Coal Mine
Foxleigh
Goonyella Riverside (OC) & Broadmeadow (UG)
Gregory (OC) Crinum (UG) Mine
Grosvenor
Hail Creek
Ironbark No 1
Isaac Downs
Isaac Plains Complex
Jeebropilly Project
Jellinbah Mine

Jellinbah Plains Johnson Extended Project **Kestrel Coal Mine** Kogan Creek Lake Lindsay Lake Vermont Mackenzie North Project ed on Refl Act 2009 Meandu Mine Meteor Downs South Middlemount Coal Mine Millennium Coal Mine Minerva Coal Project Minyango Moorvale **Moorvale South** Moranbah North Mulgildie New Acland New Burton New Lenton New Oakleigh Newlands Coal Mine North Goonyella **Norwich Park** Oak Park Oaky Creek Coal Mine **Olive Downs** Peak Downs Poitrel Poitrel (& Daunia MIA) OCoal Northern Hub **Rolleston Mine** Saraji South Walker Creek South Walker Creek (Bee Creek) **Togara North** Vulcan Wandoan Stage 1 Wandoan Stage 1 Wards Well

Published on Peril Act 2009

Authorised Holder

Parent Company

BARALABA COAL PTY LTD Cook Resource Mining Pty Ltd BHP Coal Pty Ltd ORION MINING PTY LTD Carabella Resources Pty Ltd FITZROY (CQ) PTY LTD Peabody (Burton Coal) Pty Ltd BYERWEN COAL PTY LTD Batchfire Callide Pty Ltd SYNTECH RESOURCES PTY LTD ANGLO COAL (GERMAN CREEK) PTY LTD Fitzroy (CQ) Pty Ltd Adani Mining Pty Ltd BHP Coal Pty Ltd GS COAL PTY LTD PEABODY COPPABELLA PTY LTD NC COAL COMPANY PTY LIMITED New Colton Coal Pty Ltd QUEENSLAND POWER COMPANY PTY LTD **Constellation Mining Pty Ltd** PEABODY COPPABELLA PTY LTD Coronado Curragh Pty Ltd BHP Coal Pty Ltd ANGLO COAL (DAWSON) LIMITED ANGLO COAL (DAWSON SOUTH) PTY LTD BENGAL COAL PTY LTD SOUTH32 EAGLE DOWNS PTY LTD IDEMITSU AUSTRALIA RESOURCES PTY LTD CAML RESOURCES PTY LTD BHP Coal Pty Ltd SOJITZ GREGORY CRINUM PTY LTD ANGLO COAL (GROSVENOR) PTY LTD HAIL CREEK COAL HOLDINGS PTY LIMITED FITZROY (CQ) PTY LTD Stanmore IP South Pty Ltd Stanmore IP Coal Pty Ltd JEEBROPILLY COLLIERIES PTY. LTD. JELLINBAH GROUP PTY LTD

Liberty Mining and Minerals Glencore BMA - BHP TerraCom Wealth Resources Fitzroy QLD Resources Limited Peabody QCoal etor Bachfire Yancoal Anglo Fitzroy QLD Resources Limited **Bravus Mining & Resources** BMA - BHP Glencore Peabody Glencore **EWAM Energy Pty Ltd** Queensland Power Company QCoal Peabody Coronado Resources Inc. BMA - BHP Anglo Anglo **Bengal Energy Ltd** South32 Idemitsu Kosan Co. Ltd Caml Resources BMA - BHP Sojitz Anglo Glencore Fitzroy QLD Resources Limited Stanmore Stanmore New Hope Group Jellinbah Group

JELLINBAH GROUP PTY LTD PEABODY COPPABELLA PTY LTD **KESTREL COAL RESOURCES PTY LTD** ABERDARE COLLIERIES PROPRIETARY LIMITED ANGLO COAL (GERMAN CREEK) PTY LTD BOWEN BASIN COAL PTY. LTD. JELLINBAH GROUP PTY LTD TEC COAL PTY LTD SOJITZ COAL MINING PTY LTD MIDDLEMOUNT COAL PTY LTD MetRes Pty Ltd MINERVA COAL PTY LTD CONSTELLATION MINING PTY LTD PEABODY COPPABELLA PTY LTD PEABODY COPPABELLA PTY LTD MORANBAH NORTH COAL PTY LTD MONTO COAL 2 PTY LTD New Acland Coal Pty Ltd NEW LENTON COAL PTY LTD NEW LENTON COAL PTY LTD NEW OAKLEIGH COAL PTY. LTD. NC COAL COMPANY PTY LIMITED PEABODY (BOWEN) PTY LTD **BHP Coal Pty Ltd** ANGLO COAL (GERMAN CREEK) PTY LTD OAKY CREEK HOLDINGS PTY LIMITED PEMBROKE OLIVE DOWNS PTY LTD BHP Coal Pty Ltd BHP Billiton Mitsui Coal Pty Ltd BHP Coal Pty Ltd NORTHERN HUB (DRAKE) PTY LTD ROLLESTON COAL HOLDINGS PTY LIMITED BHP Coal Pty Ltd BHP Billiton Mitsui Coal Pty Ltd BHP Billiton Mitsui Coal Pty Ltd ENEX TOGARA PTY LIMITED Queensland Coking Coal Pty Ltd WANDOAN HOLDINGS PTY LIMITED WANDOAN HOLDINGS PTY LIMITED BHP Billiton Mitsui Coal Pty Ltd

Jellinbah Group Peabody Kestral Coal Res - EMR Capital CS Energy Anglo Jellinbah Group Jellinbah Group Stanwell Sojitz/Endocoal Peabody MetRes Sojitz Bounty Cook (Sub let from Glencore) -> QCoal Peabody Peabody Anglo QCoal New Hope Group New Hope Group New Hope Group New Hope Group Glencore Peabody BMA - BHP Anglo Glencore Pembroke BMA - BHP BMC - BHP BMA - BHP OCoal Glencore BMA - BHP BMC - BHP BMC - BHP Glencore Vitrinite Glencore Glencore BMC - BHP

Yancoal

Status	Location	Commencement of Project	Mine Life
Operating	7 km north of the Baralaba townsh	2014	20
Pre-construction	4 km south of Blackwater		30
Operating	10 km south of Blackwater	1976	50
Operating	17 km north west of Clermont	2019	6
Care and Maintenance	20 km east of Blackwater	2019	15
Care and Maintenance	15 km northeast of Moranbah	2006	NP
Care and Maintenance	27 km northeast of Moranbah	2012	0
Operating	140 km west of Mackay	2017	30+
Operating	19 km north of Biloela	1950	30+
Operating	14 km east of Miles	2010	72
Operating	25 km southwest of Middlemount	1981	23
Operating	20 km east Moranbah	2006	6
Construction	300 km West of Mackay	2021	50+
Operating	19 km south southeast of Moranb	2012	
Operating	16 km north of Clermont	2010	5
Pre-construction	57 km east of Moranbah	0	17
Operating	3 km southwest of Collinsville	1922	
Pre-construction	10 km north of Maryborough	2022	10
Operating	5 km south of Millmerran	0	40
Care and Maintenance	14 km south of Blackwater	1970	10
Operating	10 km east of Coppabella	1998	12-
Operating	30 km north of Blackwater	1983	19
Operating	25 km southeast of Moranbah	2012	18+
Operating	4 km east of Moura	1962	25
Operating	18 km south east of Moura	1962	25
Pre-construction	5 km east of Dysart	0	25
Care and Maintenance	25 km southeast of Moranbah	2011	50
Operating	40 km northeast of Emerald	1994	5+
Operating	12 km southeast of Middlemount	2000	11
Operating	30 km north of Moranbah	0	40
Operating	53 km north east of Emerald	2019	20+
Operating	Directly north of Moranbah towns	1990	24
Operating	85 km west of Mackay	2003	22
Pre-construction	30 km northeast of Moranbah	0	25
Pre-construction	10 km east of Moranbah	2022	16
Operating	7km east of Moranbah	2016	16
Care and Maintenance		1970	0
Operating	30 km north of Blackwater	1989	

Pre-construction	30 km northeast of Blackwater	2028	1
Pre-construction	10 km east of Coppabella	0	-
Operating	25 km north east of Emerald	2004	-
Operating	25 km southeast of Chinchilla	2006	4
Operating		2008	
Operating	18 km northeast of Dysart	2009	4
Construction	30 km northeast of Blackwater	2020	111
Operating	4 km west of Yarraman	1983	-
Operating	30 km southeast of Springsure	2018	-
Operating	6 km west of Middlemount	2009	-
Operating	20 km southeast of Moranbah	2005	1
Operating	45 km south of Emerald	2005	
Pre-construction	1 km south of Blackwater	0	14
Operating	10 km southwest of Coppabella	2003	
Pre-construction	18 km south of Coppabella	2020	-
Care and Maintenance	15 km north of Moranbah	1999	1
Pre-construction	13 km south of Monto	0	-
Operating	35km North West Toowoomba	2002	1.1
Care and Maintenance	40 km northeast of Moranbah	2012	2
Pre-construction	20 km south of Glenden	0	
Care and Maintenance	Rosewood	1979	(
Operating	30 km northwest of Glenden	1983	1
Operating	40 km north of Moranbah	1993	
Care and Maintenance		1979	
Operating	20° X-	2004	
Operating	25 km east of the Tieri	1982	-
Pre-construction	40 km south east of Moranbah	0	ξ
Operating	17 km south of Moranbah	1972	111
Operating	25 km southeast of Moranbah	2006	-
Operating		2006	
Operating	7 km south of Collinsville	2013	
Operating	15 km northwest of Rolleston	2019	2
Operating	25 km north of Dysart	1980	111
Operating	100 km northeast of Moranbah	1996	
Pre-construction		1996	
Pre-construction	30 km south of Comet	0	
Pre-construction	33 km southeast of Moranbah	2022	111
Pre-construction	60 km south of Taroom	0	
Pre-construction	60 km south of Taroom	0	
Pre-construction	45 km north of Moranbah	0	0

20+
7-Aug
15
25 +
25+
30
15
15
15
22
2.
20-21
10+
25
15
3
4
0
20
19
80
30
10
22
30
30
30
30
30
30 3 30
3

34

Expected End of	Coal Basin	
Mining 2040	Bowen	
tba	Bowen	
2050	Bowen	
2030	Bowen	
2031	Bowen	
N/A	Bowen	
2016	Bowen	
2060	Bowen	
2070	Callide	
2100	Surat	
2022	Bowen	
2026	Bowen	
2071+	Galilee	
2050	Bowen	
2026	Bowen	C
2040	Bowen	6
NP	Bowen	60
2032	Maryborough	
2040	Clarence-Moreton	S. Y. K
	Bowen	urces C
2032	Bowen	
2034	Bowen	
2045	Bowen	
2040	Bowen	
2045	Bowen	
2045	Bowen	
2070	Bowen	
2024	Bowen	
2035	Bowen	
2064	Bowen	
2040	Bowen	
2039	Bowen	
2041	Bowen	
2040	Bowen	
2038	Bowen	
2037	Bowen	
2019	Clarence-Moreton	
2050	Bowen	

2040	Bowen
2023	Bowen
2034	Bowen
2045	Surat
2044	Bowen
2045	Bowen
2050	Bowen
2035	Tarong
2035	Bowen
2037	Bowen
2039	Bowen
2021	Bowen
2045	Bowen
NP	Bowen Bowen Bowen Bowen Bowen Bowen
NP	Bowen
2030	Bowen
2050	Mulgildie
2024	Clarence-Moreton
2016	Bowen
NP	Bowen
2013	Bowen Bowen Mulgildie Clarence-Moreton Bowen Bowen West Moreton Coalfield Bowen Bowen
2040	Bowen
2023	Bowen
N/A	Bowen
2044	Bowen
2030	Bowen
2099	Bowen
2050	Bowen
2034	Bowen
2034	Bowen
2045	Bowen
2040	Bowen
2045	Bowen
2084	Bowen
2060	Bowen
2040	Bowen
2025	Bowen
2055	Surat
2055	Surat
2070	Bowen

2055	Bowen
------	-------

Measures Sequence	DP Expiry	Current FTE
Baralaba Coal Measures	30/10/2026	300
Rangal Coal Measures		
Rangal Coal Measures	30/6/2020	2000
Blair Athol Measures	30/05/2022	181
Rangal Coal Measures	31/12/2023	
Rangal Coal Measures	29/06/2021	0
Fort Cooper Coal Measures	30/04/2022	20
Moranbah Coal Measures	12/05/2024	691
Callide Coal Measure	1/10/2023	820
Taroom Measures	31/12/2022	172
Rangal Coal Measures	31/03/2025	1000
Rangal Coal Measures	2/01/2024	562
Permian sequence	30/06/2023	496
Moranbah Coal Measures	14/06/2025	1600
Wolfgang Measures	31/03/2023	620
Fort Cooper Coal Measures	30/06/2022	0
Collinsville Coal Measures	19/12/2019	550
Barrum Coal Measures	29/04/2022	
Walloon Coal Measures	30/06/2022	100
Rangal Coal Measures	30/04/2021	
German Creek Formation	31/01/2023	500
Rangal Coal Measures	30/06/2022	1864
Rangal Coal Measures	30/06/2020	850
Baralaba Coal Measures	30/06/2024	1499
Baralaba Coal Measures	31/12/2023	1499
Moranbah Coal Measures and Fort Cooper Coal Measures	31/03/2023	0
Moranbah Coal Measures	18/08/2020	10
Rangal Coal Measures	30/04/2025	783
Rangal Coal Measures	16/04/2023	600
Moranbah Coal Measures	31/12/2024	3450
German Creek Formation	1/07/2024	396
Fort Cooper	30/10/2021	819
Fort Cooper Coal Measures	31/12/2024	1239
Rangal Coal Measures	14/12/2025	0
Rangal Coal Measures	31/07/2026	
Rangal Coal Measures	31/12/2025	299
Walloon Coal Measures	29/02/2020	101
Rangal Coal Measures	30/04/2022	400

Rangal Coal Measures Rangal Coal Measures Moranbah Coal Measures Jundah Coal Measures **Rangal Coal Measures Rangal Coal Measures Rangal Coal Measures** Meandu Deposit **Rangal Coal Measures Rangal Coal Measures Rangal Coal Measures** Minerva Deposit **Rangal Coal Measures** Fort Cooper Coal Measures **Rangal Coal Measures Rangal Coal Measures Mulgildie Coal Measures** Walloon Coal Measures Fort Cooper Coal Measures Fort Cooper Coal Measures Walloon Coal Measures **Rangal Coal Measures Rangal Coal Measures** Moranbah Coal Measures **Rangal Coal Measures** German Creek Formation **Rangal Coal Measures** Moranbah Coal Measures **Rangal Coal Measures Rangal Coal Measures** Fort Cooper Fort Cooper Coal Measures Moranbah Coal Measures **Rangal Coal Measures Rangal Coal Measures Rangal Coal Measures** Moranbah Coal Measures Jundah Coal Measures Jundah Coal Measures Moranbah Coal Measures

	31/07/2022	225
	31/05/2024	500
	31/12/2022	1000
	28/02/2025	75
	31/03/2025	1000
	30/04/2025	995
	30/04/2023	40
	28/02/2021	0
	30/11/2020	40
	9/01/2025	600
	15/07/2026	100
	30/11/2021	200
	31/12/2023	0
	30/06/2022	400
	1/04/2024	400
	31/12/2022	1300
	30/06/2024	3
S	30/09/2022	158
	30/04/2022	20
5	30/06/2023	0
X	31/03/2025	4
	28/02/2021	768
	31/08/2025	230
	30/06/2020	250
	31/03/2025	1000
	31/08/2024	1000
	29/09/2025	2
	30/06/2025	2300
	30/06/2025	700
	30/06/2025	700
	15/08/2022	600
	31/12/2021	1000
	30/06/2020	2000
	30/06/2025	870
	30/06/2025	870
	31/01/2025	0
	30/09/2026	
	7/08/2022	17
	7/08/2022	17
	30/06/2025	0

Published on Retline 2009

PCI and Thermal2.5Thermal00Metallurgical and Thermal1614Thermal171.5PCI1.21Metallurgical and Thermal00Metallurgical and Thermal00Metallurgical and Thermal00Metallurgical and Thermal10013PCI and Thermal32.5PCI and Thermal74.71Metallurgical and PCI1.51Thermal1210Thermal1210Thermal1.51Metallurgical and Thermal00Metallurgical and PCI1.31Metallurgical and Thermal00Metallurgical and Thermal0.41Metallurgical and Thermal65Metallurgical and Thermal6.53Metallurgical and Thermal1.2NPMetallurgical and Thermal6.53Metallurgical APCI6.55PCI and Thermal16.53.5Metallurgical APCI6.55PCI and Thermal1.63.5PCI and Thermal6.725.72Metallurgical and PCI2.57.2Metallurgical and Thermal2.57.2Metallurgical and Thermal2.57.2Metallurgical and Thermal3.63.1Metallurgical and Thermal2.57.2Metallurgical and Thermal2.63.1Metallurgical and	Coal Type	Current Annual ROM Mtpa	Total Annual Saleable Mtpa
Metallurgical and Thermal1614Thermal171.15PCI1.21.4Metallurgical and Thermal00Metallurgical and Thermal00Metallurgical and Thermal103PCI and Thermal03Thermal32.5PCI and Thermal1.31Metallurgical and PCI1.51Thermal1.21.0Metallurgical and PCI1.21.0Metallurgical and PCI1.21.0Metallurgical and Thermal1.21.0Metallurgical and Thermal00Metallurgical and Thermal1.21.0Metallurgical and Thermal1.21.0Metallurgical and Thermal0.41.0Metallurgical and Thermal1.21.0Metallurgical and Thermal1.2NPMetallurgical and Thermal1.53.5Metallurgical and PCI65PCI and Thermal1.6.53.5Metallurgical And PCI1.51.5Metallurgical and PCI65PCI and Thermal1.01.0PCI and Thermal1.21.2Metallurgical and PCI1.21.2Metallurgical and PCI1.21.2Metallurgical and PCI1.21.2Metallurgical and PCI1.21.2Metallurgical and Thermal1.01.2Metallurgical and PCI2.11.2Metallurgical and PCI </td <td>PCI and Thermal</td> <td>2.5</td> <td></td>	PCI and Thermal	2.5	
n 17 11.5 PCI 1.2 1 Metallurgical and Thermal 0 0 Metallurgical and Thermal 0 0 Metallurgical and Thermal 100 Response PCI and Thermal 100 13 PCI and Thermal 3 2.5 PCI and Thermal 1.5 1 Metallurgical and PCI 1.5 1 Thermal 1.2 27 Metallurgical and Thermal 1.2 1.1 Metallurgical and Thermal 0 0 Metallurgical and Thermal 0 0 Metallurgical and Thermal 0 0 Metallurgical and Thermal 0.94 PCI and Thermal Metallurgical and Thermal 0.94 1 PCI and Thermal 1.5 4 Metallurgical And PCI 6 5 PCI and Thermal 1.5 1 Metallurgical and PCI 6 5 PCI and Thermal 1.6 5 PC	Thermal	0	0
PCI1.21.4Metallurgical and Thermal00Metallurgical and Thermal00Metallurgical10013PCI and Thermal32.5PCI and Thermal1.53Metallurgical and PCI1.510Metallurgical and PCI1.31.0Metallurgical and Thermal1.21.0Metallurgical and Thermal1.21.0Metallurgical and Thermal00Metallurgical and Thermal00Metallurgical and Thermal0.41.0Metallurgical and Thermal0.40Metallurgical and Thermal0.941.0PCI and Thermal0.941.0PCI and Thermal0.041.0Metallurgical and PCI0.01.0Metallurgical and PCI0.01.0Metallurgical and PCI0.01.0Metallurgical and PCI0.00.0PCI and Thermal0.21.0Metallurgical and PCI0.00.0PCI and Thermal0.00.0Metallurgical and PCI0.00.0Metallurgical and PCI0.000.00Metallurgical and PCI0.000.0Metallurgical and PCI0.00.0Metallurgical and PCI0.00.0Metallurgical and PCI0.00.0Metallurgical and PCI0.00.0Metallurgical and PCI0.00.0Metallurgical and PCI0.00.0 <tr< td=""><td>Metallurgical and Thermal</td><td>16</td><td>14</td></tr<>	Metallurgical and Thermal	16	14
Metallurgical and Thermal00Metallurgical00Metallurgical10013PCI and Thermal32.5PCI and Thermal74.71Metallurgical and PCI1.51Thermal12.37Metallurgical and PCI1.210Thermal12.410Metallurgical and PCI2.51Metallurgical and Thermal12.410Metallurgical and Thermal05Metallurgical and Thermal6.43Metallurgical and Thermal5.48Metallurgical and Thermal1.2NPMetallurgical and Thermal6.43Metallurgical and Thermal6.43Metallurgical and Thermal1.53Metallurgical and Thermal1.53.5Metallurgical And PCI65PCI and Thermal6.51.5Metallurgical and PCI61.6PCI and Thermal6.51.6PCI and Thermal6.73.7Metallurgical and PCI65PCI and Thermal7.73.72Metallurgical and PCI6.51.6Metallurgical and PCI6.5	Thermal	17	11.5
Metallurgical and Thermal00Metallurgical10013PCI and Thermal32.5PCI and Thermal74.71Metallurgical and PCI1.51Thermal12.02.7Metallurgical and PCI1.210Metallurgical and PCI2.210Metallurgical and PCI2.210Metallurgical and Thermal12.010Metallurgical and Thermal65Metallurgical and Thermal5.33Metallurgical and Thermal5.33Metallurgical and Thermal6.91.3Metallurgical and Thermal6.91.3Metallurgical and Thermal6.91.3Metallurgical and Thermal6.91.3Metallurgical and Thermal6.91.4Metallurgical and PCI6.91.4Metallurgical and PCI6.91.4PCI and Thermal6.01.4PCI and Thermal6.11.4PCI and Thermal7.23.7Metallurgical and PCI6.13.1Metallurgical and PCI6.13.1Metallurgical and PCI6.0051.4Metallurgical and PCI9.005PCI and Thermal6.005Metallurgical and PCI9.005Metallurgical and PCI6.1Metallurgical and PCI9.005PCI and Thermal6.21.4Metallurgical and PCI9.005Metallurgical and PCI6.11.4	PCI	1.2	1
Metallurgical10NPPCI and Thermal10013Thermal32.5PCI and Thermal74.71Metallurgical and PCI1.51Thermal8.3227Metallurgical1210Thermal1210Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal1.2NPMetallurgical and Thermal0.947Thermal0.941.3Thermal0.941.3Metallurgical and Thermal6.53.6Metallurgical and Thermal16.53.6Metallurgical and Thermal16.53.6Metallurgical and Thermal16.53.6Metallurgical and PCI65PCI and Thermal16.53.6PCI and Thermal1.63.6PCI and Thermal65PCI and Thermal65PCI and Thermal65PCI and Thermal65PCI and Thermal65PCI and Thermal65Metallurgical and Thermal2.5NPMetallurgical and Thermal2.69PCI and Thermal2.61.1Metallurgical and Thermal6.005PCI and Thermal6.005PCI and Thermal6.005Metallurgical and Thermal6.1Metallurgical and Thermal6.1Metallurgical and Thermal7.1<	Metallurgical and Thermal	0	0
PCI and Thermal10013Thermal32.5PCI and Thermal74.71Metallurgical and PCI1.51Thermal18.3227Metallurgical1210Thermal21.1Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal1.2NPMetallurgical and Thermal0.947Thermal0.947PCI and Thermal6.53.6Metallurgical And Thermal16.53.6Metallurgical and Thermal16.53.6Metallurgical and Thermal16.53.6Metallurgical and Thermal16.53.6Metallurgical and Thermal16.53.6PCI and Thermal16.53.6PCI and Thermal65PCI and Thermal65PCI and Thermal65PCI and Thermal85PCI and Thermal2.75.72Metallurgical and Thermal2.65Metallurgical and Thermal2.61.6Metallurgical and Thermal9.0051.6Metallurgical and Thermal2.63.1Metallurgical and Thermal2.63.1Metallurgical and Thermal2.63.1Metallurgical and Thermal3.33.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.33.4Metallurgical and Thermal<	Metallurgical and Thermal	0	0
Ihermal32.5PCI and Thermal74.71Metallurgical and PCI151Thermal18.3227Metallurgical1210Thermal121Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal3.53Metallurgical Antermal0.941PCI and Thermal10.53.5Metallurgical Antermal6.53.5Metallurgical Antermal6.53.5Metallurgical Antermal6.53.5Metallurgical Antermal16.53.5Metallurgical Antermal6.65PCI and Thermal0.03.5Metallurgical and PCI65PCI and Thermal6.13.6Metallurgical Antermal6.723.72Metallurgical Antermal6.725.72Metallurgical and Thermal2.63.6Metallurgical and PCI93.005Metallurgical and Thermal3.63.005Metallurgical and Thermal2.62.1Metallurgical and Thermal2.63.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.43.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.43	Metallurgical	10	NP
PCI and Thermal74.71Metallurgical and PCI1.51Thermal18.327Metallurgical1210Thermal121Metallurgical and Thermal00Metallurgical and Thermal1.2NPMetallurgical and Thermal3.5SMetallurgical and Thermal0.94-Thermal0.94-PCI and Thermal16.53.5Metallurgical and PCI65PCI and Thermal16.53.5Metallurgical and PCI65PCI and Thermal16.510PCI and Thermal16.010PCI and Thermal16.010PCI and Thermal0.010PCI and Thermal5.725.72Metallurgical7.25.72Metallurgical and PCI2.5NPMetallurgical and PCI90.005Metallurgical0.0060.005PCI and Thermal2.62.1Metallurgical and Thermal2.62.4Metallurgical and Thermal2.62.4Metallurgical and Thermal2.62.4Metallurgical and Thermal2.63.4Metallurgical and Thermal2.63.4Metallurgical and Thermal2.63.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.63.4Metallurgical and Thermal3.6	PCI and Thermal	100	13
Metallurgical and PCI1.51Thermal18.3227Metallurgical1210Thermal211Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal1.2NPThermal0.947Thermal0.941.3Metallurgical And PCI63PCI and Thermal16.53Metallurgical And PCI610PCI and Thermal16.410PCI and Thermal16.410PCI and Thermal65PCI and Thermal65PCI and Thermal16.410PCI and Thermal65PCI and Thermal65PCI and Thermal65PCI and Thermal65PCI and Thermal65PCI and Thermal65PCI and Thermal65Metallurgical and Thermal65Metallurgical and Thermal65Metallurgical and Thermal65Metallurgical and Thermal65Metallurgical and Thermal10.005PCI and Thermal99Metallurgical and Thermal6.005PCI and Thermal6.110Metallurgical and Thermal6.30.015PCI and Thermal6.36.1Metallurgical and Thermal7.43.4Metallurgical and Thermal7.4<	Thermal	3	2.5
Thermal 18.32 27 Metallurgical 12 10 Thermal 12 11 Metallurgical and Thermal 0 0 Metallurgical and Thermal 6 5 Metallurgical and Thermal 6 3 Thermal 3.5 3 Thermal 0.94 - PCI and Thermal 4.5 4 Metallurgical, PCI and Thermal 6.5 13.5 Metallurgical and PCI 6 5 PCI and Thermal 16.5 10 Metallurgical and PCI 6 5 PCI and Thermal 16.5 10 Metallurgical and PCI 6 10 Metallurgical and PCI 8 5 PCI and Thermal 5.72 5.72 Metallurgical and Thermal 2.5 NP Metallurgical and PCI 2.5 NP Metallurgical and Thermal 2.6 .005 PCI and Thermal 2.6 1.1 Metallurgical and The	PCI and Thermal	7	4.71
Metallurgical1210Thermal1211Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal1.2NPThermal3.53Thermal0.94-PCI and Thermal4.54Metallurgical, PCI and Thermal16.53.5Metallurgical and PCI65PCI and Thermal16.510PCI and Thermal16.410PCI and Thermal16.410PCI and Thermal16.410PCI and Thermal65PCI and Thermal5.75.72Metallurgical and PCI65PCI and Thermal5.725.72Metallurgical and PCI2.5NPMetallurgical and PCI0.0050.005PCI and Thermal0.0060.005PCI and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and PCI3.32.47	Metallurgical and PCI	1.5	1
Ihermal1211Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal1.2NPThermal3.53Thermal0.94-PCI and Thermal4.54Metallurgical, PCI and Thermal16.53.5PCI and Thermal65PCI and Thermal0TBAPCI and Thermal16.510Metallurgical and PCI65PCI and Thermal16.510PCI and Thermal16.510PCI and Thermal16.55PCI and Thermal5.725.72Metallurgical05PCI and Thermal5.725.72Metallurgical and PCI265Metallurgical and PCI0.0050.005PCI and Thermal90.005PCI and Thermal9.13.3Metallurgical and PCI3.32.47Metallurgical and PCI3.32.47	Thermal	18.32	27.0
Metallurgical and ThermalOOMetallurgical and Thermal3.5NPThermal3.53Thermal0.94-PCI and Thermal4.54Metallurgical, PCI and Thermal6.53.5Metallurgical and PCI65PCI and Thermal0.94-Metallurgical, PCI and Thermal16.53.5PCI and Thermal05PCI and Thermal0BAPCI and Thermal00Metallurgical and PCI00PCI and Thermal16.53.6PCI and Thermal85PCI and Thermal5.725.72Metallurgical and PCI265.72Metallurgical and PCI2.5NPMetallurgical and PCI90.005PCI and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and PCI3.73.4	Metallurgical	12	10
Metallurgical and Thermal65Metallurgical1.2NPThermal3.53Thermal0.94-PCI and Thermal4.54Metallurgical, PCI and Thermal16.513.5Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal16.50PCI and Thermal160PCI and Thermal00PCI and Thermal160PCI and Thermal80PCI and Thermal5.725.72Metallurgical and PCI2625Metallurgical and PCI0.0060.005PCI and Thermal99Metallurgical and PCI3.32.47Metallurgical and Thermal2.62.3	Thermal	12	11
Metallurgical1.2NPThermal3.53Thermal0.94-PCI and Thermal4.54Metallurgical, PCI and Thermal16.513.5Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal16.510Metallurgical00PCI and Thermal160PCI and Thermal160Metallurgical00PCI and Thermal85Thermal5.725.72Metallurgical and Thermal2625Metallurgical and PCI90.005PCI and Thermal9.0060.005PCI and Thermal2.62.1Metallurgical and Thermal3.32.47Metallurgical and PCI3.72.3	Metallurgical and Thermal	0	0
PCI and Thermal4.54Metallurgical, PCI and Thermal16.513.5Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal160Metallurgical00Metallurgical00Metallurgical5.725.72Thermal5.725.72Metallurgical and PCI265Metallurgical and PCI2.5NPMetallurgical and PCI0.0060.005PCI and Thermal99Metallurgical and PCI2.62.1Metallurgical and Thermal2.72.3	Metallurgical and Thermal	6	5
PCI and Thermal4.54Metallurgical, PCI and Thermal16.513.5Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal160Metallurgical00Metallurgical00Metallurgical5.725.72Thermal5.725.72Metallurgical and PCI265Metallurgical and PCI2.5NPMetallurgical and PCI0.0060.005PCI and Thermal99Metallurgical and PCI2.62.1Metallurgical and Thermal2.72.3	Metallurgical	1.2	NP
PCI and Thermal4.54Metallurgical, PCI and Thermal16.513.5Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal160Metallurgical00Metallurgical00Metallurgical5.725.72Thermal5.725.72Metallurgical and PCI265Metallurgical and PCI2.5NPMetallurgical and PCI0.0060.005PCI and Thermal99Metallurgical and PCI2.62.1Metallurgical and Thermal2.72.3	Thermal	3.5	3
Metallurgical, PCI and Thermal16.513.5Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal160Metallurgical00PCI and Thermal85Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI265Metallurgical and PCI0.0060.005Metallurgical99Metallurgical and PCI2.62.1Metallurgical and Thermal2.62.47Metallurgical and Thermal2.72.3	Thermal	0.94	
Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal1610Metallurgical00PCI and Thermal85Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI26SMetallurgical0.0060.005PCI and Thermal99Metallurgical and PCI2.62.1Metallurgical and Thermal3.32.47Metallurgical and PCI3.72.3	PCI and Thermal	4.5	4
PCI and Thermal0TBAPCI and Thermal1610Metallurgical00PCI and Thermal85Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI2625Metallurgical0.0060.005PCI and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Metallurgical, PCI and Thermal	16.5	13.5
PCI and Thermal1610Metallurgical00PCI and Thermal85Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI2625Metallurgical0.0060.005Metallurgical90.005Metallurgical and PCI3.32.47Metallurgical and PCI3.32.47	Metallurgical and PCI	6	5
Metallurgical00PCI and Thermal85Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI2625Metallurgical2.5NPMetallurgical0.0060.005PCI and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and PCI2.72.3	PCI and Thermal	0	ТВА
PCI and Thermal85Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI2625Metallurgical2.5NPMetallurgical0.0060.005PCI and Thermal99Metallurgical and PCI2.62.1Metallurgical and Thermal3.32.47Metallurgical and PCI2.72.3	PCI and Thermal	16	10
Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI2625Metallurgical2.5NPMetallurgical0.0050.005PCI and Thermal99Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Metallurgical	0	0
Metallurgical and Thermal43Metallurgical and PCI2625Metallurgical2.5NPMetallurgical0.0060.005PCI and Thermal99Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	PCI and Thermal	8	5
Metallurgical and PCI2625Metallurgical2.5NPMetallurgical0.0060.005PCI and Thermal99Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Thermal	5.72	5.72
Metallurgical2.5NPMetallurgical0.0060.005PCI and Thermal99Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Metallurgical and Thermal	4	3
Metallurgical0.0060.005PCI and Thermal99Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Metallurgical and PCI	26	25
PCI and Thermal99Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Metallurgical	2.5	NP
Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Metallurgical	0.006	0.005
Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	PCI and Thermal	9	9
Metallurgical and Thermal 2.7 2.3	Metallurgical and Thermal	2.6	2.1
	Metallurgical and PCI	3.3	2.47
Thormal 0 0	Metallurgical and Thermal	2.7	2.3
	Thermal	0	0
PCI 5.5 5	PCI	5.5	5

PCI and Thermal	1	1
PCI and Thermal	0	0
Metallurgical	7	5
Thermal	2.8	0
PCI and Thermal	0.5	ТВА
Metallurgical and PCI	11	9
PCI and Thermal	0	0
Thermal	9.5	7.5
Thermal	0.5	0
Metallurgical and Thermal	5	NP
Metallurgical and PCI	0.6	0.5
Thermal	7	2
PCI and Thermal	0	0
PCI and Thermal	3	2 5
PCI and Thermal	1.5	1
Metallurgical and PCI	9	8
Thermal	0	0
Thermal	6	4
Metallurgical and Thermal	0	0
Metallurgical and Thermal	1	0.7
Thermal		0
Metallurgical and Thermal	7 6 5	5.5
Metallurgical	0.2	0.16
Metallurgical	0	0
PCI and Thermal	5	ТВА
Metallurgical	5	NP
Metallurgical	15	0
Metallurgical	25	19
Metallurgical and PCI	7	5
Metallurgical and PCI	7	5
Metallurgical	0.5	NP
Metallurgical and PCI	17	15
Metallurgical and PCI	18	10
PCI and Thermal	9	7
PCI and Thermal	9	7
PCI and Thermal	0	0
Metallurgical and Thermal	1.9	1.3
Thermal	30	22
Thermal	30	22
	0	0

4

Published on Refl Act 2009

JORC Code Edition	Year of Estimate	Total Resources Project Mt	Measured Mt	Indicated Mt	Inferred Mt
2012	2016	96.8	26.4	39.9	30.5
2012	2016	273.1	0	116.2	156.9
2012	2019	1881	375	506	1000
2012	2018	45	31	12	2
2012	2018	81	0	40	42
NP	N/A	219.6	NP	NP	219.6
NP	2016	286	150	116	20
2012	2016	2183	384	643	1156
2012	2018	1064	664	345	55
2012	2017	315	190	55	70
2012	2018	384	66.95	NP	NP
2012	2017	177	92	50	35
2012	2014	11120	4000	3300	3820
2012	2019	760	423	207	130
2012	2018	113	90	18	5
NP	2016	190	76	67	47
2012	2017	485	100	235	150
2012	2018	24	0	9	15
NP	2018	95	NP	NP	NP
2012	2019	210	15	155	40
NP	2017	63	23	17	23
2012	2017	172.7	165.7	6.9	0
2012	2019	151	105	35	10.6
2012	2012	852	292	291	316
2012	2018	237	120	89	27
NP	2013	215	0	145	70
2012	2020	1143	759	201	183
2012	2019	225	174	49	0
2012	2016	100	42	37	25
2012	2019	1874	1364	455	55
2012	2019	153	112	31	10
2012	2020	461	269	124	68
2012	2018	759	154	585	20
2012	2017	361	61	149	151
2012	2020	36	25	11	0
2012	2016	68	35	24	9
2012	2012	129	46	72	11
2012	2020	636	191	182	261

2012	2015	45	0	31	13
2012	NP	18	1	10	7
2012	2017	240	1	139	100
2012	2016	204.5	144.5	30	30
2012	2018	384	63.12	NP	NP
2012	2013	321	272	47	2
2012	2017	125	48	28	47
2012	2013	630	375	180	75
2004	2010	14	0	0	14
2012	2018	132	73	54	5
2012	2020	37	13	17	7
2004	2009	76	33	30	12
2012	2018	190	6	71	112
NP	2016	11	NP	NP	NP
NP	2018	15	NP	NP	NP
NP	2016	74	53	19	2
2012	2012	34	19	13	2
2012	2016	515	303	190	23
NP	2016	286	150	116	20
2012	2017	380	68	103	208
NP	N/A	0	0	0	0
2012	2017	848	307	123	418
SECnotJORC	2014	135	121	14	NP
2012	2019	507	221	128	118
2012	2018	384	51.25	NP	NP
2012	2018	700	248	350	110
2012	2016	813	272	334	207
2012	2019	2051	519	863	669
2012	2019	163	55	49	59
2012	2019	163	55	49	59
NP	N/A	2.5	NP	NP	NP
NP	2015	252	177	57	18
2012	2019	1023	844	137	42
2012	2019	740	251	283.7	190
2012	2019	740	251	283.7	190
2012	2018	449	357	40	52
2012	2019	15	5	4	6
2004	2011	2916	1226	500	1190
2004	2011	2916	1226	500	1190
2012	2019	1373	0	1224	149

2012	2018	208	106	82	20

Published on Retil Act 2009

Destination Port	Local_Government_Area	Mining Type
		winning Type
Gladstone	Central Highlands	Open-cut
tba	Central Highlands	tba
Hay Point	Central Highlands	Open-cut
Dalrymple Bay Gladstone	Isaac	Open-cut
Gladstone	Central Highlands	Open-cut
Dalrymple Bay	Isaac	Open-cut - truck and shovel
Dalrymple Bay	Isaac	Open-cut
Abbot Point	Isaac	Open-cut and UG
Domestic Gladstone	Banana	Open-cut
Brisbane	Western Downs	Open-cut and UG
Gladstone	Central Highlands	UG - Longwall
Dalrymple Bay Coal Terminal	Isaac	UG - longwall, bord and pillar
Abbot Point	Charters Towers	Open-cut and UG- Longwall
Hay Point	Isaac	Open-cut
Dalrymple Bay	Isaac	Open-cut
Abbot Point	Isaac	Open-cut and UG
Abbot Point	Whitsunday	Open-cut
Gladstone	Fraser Coast	Open-cut - truck and shovel
Domestic	Toowoomba	Open-cut and UG
	Central Highlands	UG - Bord and pillar
	Isaac	Open-cut
Gladstone and Domestic	Central Highlands	Open-cut
Hay Point	Isaac	Open-cut
Gladstone	Banana	Open-cut
Gladstone	Banana	Open-cut
Gladstone	Isaac	Bord and Pillar
Hay Point	Isaac	UG - Longwall
Gladstone	Central Highlands	Open-cut and underground
Dalrymple Bay	Isaac	Open-cut
Dalrymple Bay	Isaac	Open-cut and UG
Gladstone	Central Highlands	investigating underground
DBCT	Isaac	UG - Longwall
Dalrymple Bay	Isaac	Open-cut
Dalrymple Bay	Isaac	Longwall
Darlymple Bay Coal Terminal	Isaac Regional Council	Open-cut
Dalrymple bay	Isaac	commencing ~2024
QBH Port Queensland	Ipswich	Open-cut
Gladstone	Central Highlands	Open-cut

Gladstone	Central Highlands	Open-cut
, , ,	Isaac	UG - Longwall
Gladstone	Central Highlands	UG - Longwall
Domestic	Western Downs	Open-cut
Gladstone	Isaac	Open-cut
Gladstone Port, Dalrymple Bay and	Alsaac	Open-cut
Gladstone	Isaac	Open-cut
Domestic	South Burnett	Open-cut and UG - Longwall
Gladstone	Central Highlands	Open-cut
Abbot Point	Isaac	Open-cut
Dalrymple Bay, Abbot Point	Isaac	Open-cut
Gladstone	Central Highlands	Open-cut
WICET	Central Highlands	UG - Longwall
	Isaac	Open-cut
	Isaac	Open-cut
Abbot Point	Isaac	UG - Longwall
Gladstone	North Burnett	Open-cut
Brisbane	Toowoomba	Open-cut
Dalrymple Bay	Isaac	Open-cut
Dalrymple Bay	Isaac	Open-cut
N/A	Ipswich	N/A
N/A Abbot Point	Ipswich Isaac	N/A Open-cut
	6	
Abbot Point	Isaac	Open-cut
Abbot Point Gladstone	Isaac Isaac	Open-cut Longwall
Abbot Point Gladstone Dalrymple Bay	Isaac Isaac Isaac	Open-cut Longwall Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone	Isaac Isaac Isaac Isaac	Open-cut Longwall Open-cut Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone	Isaac Isaac Isaac Isaac Central Highlands	Open-cut Longwall Open-cut Open-cut Longwall
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay	Isaac Isaac Isaac Isaac Central Highlands Isaac	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac	Open-cut Longwall Open-cut Dopen-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac	Open-cut Longwall Open-cut Dopen-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Isaac	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut Open-cut and UG - Longwall
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Abbot Point	Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Isaac Isaac Whitsunday	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut and UG - Longwall Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Hay Point Gladstone	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Isaac Whitsunday Central Highlands	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut Open-cut Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Abbot Point Gladstone Hay Point	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Isaac Whitsunday Central Highlands Isaac	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut Open-cut Open-cut Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Gladstone Hay Point Hay Point	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Isaac Whitsunday Central Highlands Isaac Isaac Isaac	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Gladstone Hay Point Hay Point Hay Point	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Whitsunday Central Highlands Isaac Isaac Isaac Isaac	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Gladstone Hay Point Hay Point Hay Point Gladstone	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Whitsunday Central Highlands Isaac Isaac Isaac Isaac Central Highlands	Open-cutOpen-cutOpen-cutOpen-cutDopen-cut and HighwallOpen-cut and UG - LongwallOpen-cut and UG - LongwallOpen-cutOpen-cutOpen-cut and UG - LongwallOpen-cutOpen-cutOpen-cutOpen-cutOpen-cutOpen-cutOpen-cutOpen-cutOpen-cutOpen-cut and UG - LongwallOpen-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Abbot Point Gladstone Hay Point Hay Point Hay Point Hay Point Gladstone	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Whitsunday Central Highlands Isaac Isaac Isaac Central Highlands Isaac Isaac	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut

Published on Retl Act 2009

Date : 27/01/2022 10:50:53 AM From : "Darren Moor" To : "Carlye Sycz" Cc : "Sarah Gooley" , "Chris Shaw" , "Luke Croton" , "Alex Grundy" , "Angela Hendy (Resources)" Subject : FW: Map on exporting coal mines - DG workshop Attachment : Life of Mine.xlsx;image001.png; Hey Carlye,

Attached is the intel on mine life for our coal operators. This data is sources from the later development plans and is subject to a bunch of commercial considerations like coal price, rate of production and future expansions....but this is the best that we hold. Cheers D

From: Alex Grundy <Alex.Grundy@resources.qld.gov.au> Sent: Thursday, 27 January 2022 9:41 AM To: Darren Moor; Luke Croton Cc: Angela Hendy (Resources); Chris Shaw; Jacinda Chisholm Subject: RE: Map on exporting coal mines - DG workshop

Morning Darren,

0

I have data from our technical team on the current End Of Mine Life (EOML) for our Coal mines. The information is based on Initial and Later Development plans that have been lodged with the Department.

There is a lot of data in the attached so I was going to try and consolidate it a bit, but the yellow columns are where we have an expected end of mine life from the latest Development plan.

SUIP

There are still a few gaps in the data that need checking, but in summary:

• We have 12 Coal Mines that have indicated a timeline past 2050

Mine Name	Indicated End of Life	Product Coal	0
Carmichael Coal Mine	2071+	Thermal	
Cameby Downs	2100	Thermal	
Olive Downs	2099	Metallurgical	
South Walker Creek	2084	PCI and Thermal	
Callide Complex	2070	PCI and Thermal	
Eagle Downs	2070	PCI and Thermal	
Wards Well	2070	Metallurgical	
Goonyella Riverside (OC) & Broadmeadow			
(UG)	2064	Metallurgical and PCI	
Byerwen Coal Mine	2060	Metallurgical	
South Walker Creek (Bee Creek)	2060	PCI and Thermal	
Wandoan Stage 1	2055	Thermal	
Yarrabee Mine	2055	Metallurgical and Thermal	The remaining 61 mines currently have an indicate

date of 2050 or earlier with the following mines no longer indicating any mining in the future:

Minerva Coal Project

Jeebropilly Project

Burton

New Burton

New Oakleigh

We have a few gaps in our data due to how companies report across their mines, but this is the best data we have at the moment, without further in depth analysis.

Happy to get the tech team to look into the query in more depth if you are after something a bit more specific.

Data is attached. Mines with NP indicate that they are 'Not Producing' and so we don't have good data for the expected EOML. Some mines have already stopped operating and have passed their indicated EOML while we await sign off from the Department of Environment and Science.

Let me know if you have questions or need anything else.

Thanks, Alex.



Alex Grundy Principal Mining Registrar Coal Assessment Hub | Georesources Department of Resources

P: 07 4936 0161 M: 73(2)Irrelevant E: <u>alex.grundy@resources.qld.gov.au</u> A: Building 'E', 25 Yeppoon Road, Parkhurst, QLD 4702 | PO Box 3679, Red Hill, Rockhampton North, QLD 4701 W: <u>www.resources.qld.gov.au</u>

Sent: Thursday, 27 January 2022 9:08 AM To: Luke Croton: Alex Grundy Cc: Angela Hendy (Resources); Chris Shaw; Jacinda Chisholm Subject: FW: Map on exporting coal mines - DG workshop

Hey Alex,

How did you go with the question about closure timeframes?

Jacinda - are you aware of maps with locations of coal exports on them? D

From: Carlye Sycz <<u>Carlye.Sycz@resources.qld.gov.au</u>> Sent: Thursday, 27 January 2022 7:49 AM To: Chris Shaw; Darren Moor Cc: Peter Downey Subject: Map on exporting coal mines - DG workshop

Hev Chis and Darren

Energy have asked whether we have maps with our exporting coal mines on them - they need it for that DG workshop (Chris - think you were cc'd into some emails earlier in the week about closure timeframes too?).

Hoping it might be something we have on hand already? If so, could you please flick it through and I can get it to them. closure

Thanks Carlye

Carlye Sycz

Executive Director, Reform Department of Resources 73(2)Irrelevant

From: Leanne CAELERS <<u>Leanne.CAELERS@epw.qld.gov.au</u>> Sent: Tuesday, 25 January 2022 6:47 PM To: Carlye Sycz Cc: Kaitlyn Stutz; Peter Downey Subject: Friday workshop on regional impacts

Hey Carlye,

We caught up with Paul on the Friday workshop. He wanted us to make sure Mike was happy with the approach - we'll be getting a draft of the slides tonight but I wonder if it would be possible to catch you and Mike for 15 minutes Thursday at all to run you through them?

Paul also mentioned that he thought you would have good maps for export coal mines as well. Just thought I'd check if you had something you were already using for this otherwise I'll get the team to pull one together based on the info Pete already provided.

Cheers, Leanne

***** ********************* Disclaimer

The contents of this electronic message and any attachments are intended only for the addressee and may contain privileged or confidential information. They may only be used for the purposes for which they were supplied. If you are not the addressee, you are notified that any transmission, distribution, downloading, printing or photocopying of the contents of this message or attachments is strictly prohibited. The privilege or confidentiality attached to this message and attachments is not waived, lost or destroyed by reason of mistaken delivery to you. If you receive this message in error please notify the sender by return e-mail or telephone.

Please note: the Department of Housing and Public Works carries out automatic software scanning, filtering and blocking of E-mails and attachments (including emails of a personal nature) for detection of viruses, malicious code, SPAM, executable programs or content it deems unacceptable. All reasonable precautions will be taken to respect the privacy of individuals in accordance with the Information Privacy Act 2009 (Qld). Personal information will only be used for official purposes, e.g. monitoring Departmental Personnel's compliance with Departmental Policies. Personal information will not be divulged or disclosed to others, unless authorised or required by Departmental Policy and/or law.

Thank you.

Mine Name	
Baralaba North Coal Mine	
Blackrock	
Blackwater	
Blair Athol	
Bluff	
Broadlea	
Burton	
Byerwen Coal Mine	
Callide Complex	
Cameby Downs	
Capcoal Mine Complex (Grasstree, Aquila, Lake Lindsay, Oak Park, W2)	
Carborough Downs Coal Mine	3
Carmichael Coal Mine	0
Caval Ridge)
Clermont Coal Mine	
Codrilla	
Collinsville)
Colton Coal Mine	
Collinsville Colton Coal Mine Commodore Mine Cook Mine	
Cook Mine	
Coppabella Opencut Coal Mine	
Curragh Coal Mine	
Daunia	
Dawson Central and North	
Dawson South	
Dysart East	
Eagle Downs	
Ensham Coal Mine	
Goonyella Riverside (OC) & Broadmeadow (UG)	
Gregory (OC) Crinum (UG) Mine	
Grosvenor	
Hail Creek	
Ironbark No 1	
Isaac Downs	
Isaac Plains Complex	
Jeebropilly Project Jellinbah Mine	

Jellinbah Plains Johnson Extended Project **Kestrel Coal Mine** Kogan Creek Lake Lindsay Lake Vermont Mackenzie North Project ed on Refl Act 2009 Meandu Mine Meteor Downs South Middlemount Coal Mine Millennium Coal Mine Minerva Coal Project Minyango Moorvale **Moorvale South** Moranbah North Mulgildie New Acland New Burton New Lenton New Oakleigh Newlands Coal Mine North Goonyella **Norwich Park** Oak Park Oaky Creek Coal Mine **Olive Downs** Peak Downs Poitrel Poitrel (& Daunia MIA) OCoal Northern Hub **Rolleston Mine** Saraji South Walker Creek South Walker Creek (Bee Creek) **Togara North** Vulcan Wandoan Stage 1 Wandoan Stage 1 Wards Well

Published on Peril Act 2009

Authorised Holder

Parent Company

BARALABA COAL PTY LTD Cook Resource Mining Pty Ltd BHP Coal Pty Ltd ORION MINING PTY LTD Carabella Resources Pty Ltd FITZROY (CQ) PTY LTD Peabody (Burton Coal) Pty Ltd BYERWEN COAL PTY LTD Batchfire Callide Pty Ltd SYNTECH RESOURCES PTY LTD ANGLO COAL (GERMAN CREEK) PTY LTD Fitzroy (CQ) Pty Ltd Adani Mining Pty Ltd BHP Coal Pty Ltd GS COAL PTY LTD PEABODY COPPABELLA PTY LTD NC COAL COMPANY PTY LIMITED New Colton Coal Pty Ltd QUEENSLAND POWER COMPANY PTY LTD **Constellation Mining Pty Ltd** PEABODY COPPABELLA PTY LTD Coronado Curragh Pty Ltd BHP Coal Pty Ltd ANGLO COAL (DAWSON) LIMITED ANGLO COAL (DAWSON SOUTH) PTY LTD BENGAL COAL PTY LTD SOUTH32 EAGLE DOWNS PTY LTD IDEMITSU AUSTRALIA RESOURCES PTY LTD CAML RESOURCES PTY LTD BHP Coal Pty Ltd SOJITZ GREGORY CRINUM PTY LTD ANGLO COAL (GROSVENOR) PTY LTD HAIL CREEK COAL HOLDINGS PTY LIMITED FITZROY (CQ) PTY LTD Stanmore IP South Pty Ltd Stanmore IP Coal Pty Ltd JEEBROPILLY COLLIERIES PTY. LTD. JELLINBAH GROUP PTY LTD

Liberty Mining and Minerals Glencore BMA - BHP TerraCom Wealth Resources **Fitzroy QLD Resources Limited** Peabody QCoal etor Bachfire Yancoal Anglo Fitzroy QLD Resources Limited **Bravus Mining & Resources** BMA - BHP Glencore Peabody Glencore **EWAM Energy Pty Ltd** Queensland Power Company QCoal Peabody Coronado Resources Inc. BMA - BHP Anglo Anglo **Bengal Energy Ltd** South32 Idemitsu Kosan Co. Ltd Caml Resources BMA - BHP Sojitz Anglo Glencore Fitzroy QLD Resources Limited Stanmore Stanmore New Hope Group Jellinbah Group

JELLINBAH GROUP PTY LTD PEABODY COPPABELLA PTY LTD **KESTREL COAL RESOURCES PTY LTD** ABERDARE COLLIERIES PROPRIETARY LIMITED ANGLO COAL (GERMAN CREEK) PTY LTD BOWEN BASIN COAL PTY. LTD. JELLINBAH GROUP PTY LTD TEC COAL PTY LTD SOJITZ COAL MINING PTY LTD MIDDLEMOUNT COAL PTY LTD MetRes Pty Ltd MINERVA COAL PTY LTD CONSTELLATION MINING PTY LTD PEABODY COPPABELLA PTY LTD PEABODY COPPABELLA PTY LTD MORANBAH NORTH COAL PTY LTD MONTO COAL 2 PTY LTD New Acland Coal Pty Ltd NEW LENTON COAL PTY LTD NEW LENTON COAL PTY LTD NEW OAKLEIGH COAL PTY. LTD. NC COAL COMPANY PTY LIMITED PEABODY (BOWEN) PTY LTD **BHP Coal Pty Ltd** ANGLO COAL (GERMAN CREEK) PTY LTD OAKY CREEK HOLDINGS PTY LIMITED PEMBROKE OLIVE DOWNS PTY LTD BHP Coal Pty Ltd BHP Billiton Mitsui Coal Pty Ltd BHP Coal Pty Ltd NORTHERN HUB (DRAKE) PTY LTD ROLLESTON COAL HOLDINGS PTY LIMITED BHP Coal Pty Ltd BHP Billiton Mitsui Coal Pty Ltd BHP Billiton Mitsui Coal Pty Ltd ENEX TOGARA PTY LIMITED Queensland Coking Coal Pty Ltd WANDOAN HOLDINGS PTY LIMITED WANDOAN HOLDINGS PTY LIMITED BHP Billiton Mitsui Coal Pty Ltd

Jellinbah Group Peabody Kestral Coal Res - EMR Capital CS Energy Anglo Jellinbah Group Jellinbah Group Stanwell Sojitz/Endocoal Peabody MetRes Sojitz Bounty Cook (Sub let from Glencore) -> QCoal Peabody Peabody Anglo QCoal New Hope Group New Hope Group New Hope Group New Hope Group Glencore Peabody BMA - BHP Anglo Glencore Pembroke BMA - BHP BMC - BHP BMA - BHP OCoal Glencore BMA - BHP BMC - BHP BMC - BHP Glencore Vitrinite Glencore Glencore BMC - BHP

Yancoal

Published on Retline 2009

Status	Location	Commencement of Project	Mine Life
Operating	7 km north of the Baralaba townsh	2014	20
Pre-construction	4 km south of Blackwater		30
Operating	10 km south of Blackwater	1976	50
Operating	17 km north west of Clermont	2019	6
Care and Maintenance	20 km east of Blackwater	2019	15
Care and Maintenance	15 km northeast of Moranbah	2006	NP
Care and Maintenance	27 km northeast of Moranbah	2012	0
Operating	140 km west of Mackay	2017	30+
Operating	19 km north of Biloela	1950	30+
Operating	14 km east of Miles	2010	72
Operating	25 km southwest of Middlemount	1981	23
Operating	20 km east Moranbah	2006	6
Construction	300 km West of Mackay	2021	50+
Operating	19 km south southeast of Moranb	2012	
Operating	16 km north of Clermont	2010	5
Pre-construction	57 km east of Moranbah	0	17
Operating	3 km southwest of Collinsville	1922	
Pre-construction	10 km north of Maryborough	2022	10
Operating	5 km south of Millmerran	0	40
Care and Maintenance	14 km south of Blackwater	1970	10
Operating	10 km east of Coppabella	1998	12-
Operating	30 km north of Blackwater	1983	19
Operating	25 km southeast of Moranbah	2012	18+
Operating	4 km east of Moura	1962	25
Operating	18 km south east of Moura	1962	25
Pre-construction	5 km east of Dysart	0	25
Care and Maintenance	25 km southeast of Moranbah	2011	50
Operating	40 km northeast of Emerald	1994	5+
Operating	12 km southeast of Middlemount	2000	11
Operating	30 km north of Moranbah	0	40
Operating	53 km north east of Emerald	2019	20+
Operating	Directly north of Moranbah towns	1990	24
Operating	85 km west of Mackay	2003	22
Pre-construction	30 km northeast of Moranbah	0	25
Pre-construction	10 km east of Moranbah	2022	16
Operating	7km east of Moranbah	2016	16
Care and Maintenance		1970	0
Operating	30 km north of Blackwater	1989	

Pre-construction	30 km northeast of Blackwater	2028	1
Pre-construction	10 km east of Coppabella	0	-
Operating	25 km north east of Emerald	2004	-
Operating	25 km southeast of Chinchilla	2006	4
Operating		2008	
Operating	18 km northeast of Dysart	2009	4
Construction	30 km northeast of Blackwater	2020	111
Operating	4 km west of Yarraman	1983	-
Operating	30 km southeast of Springsure	2018	-
Operating	6 km west of Middlemount	2009	-
Operating	20 km southeast of Moranbah	2005	1
Operating	45 km south of Emerald	2005	
Pre-construction	1 km south of Blackwater	0	14
Operating	10 km southwest of Coppabella	2003	
Pre-construction	18 km south of Coppabella	2020	-
Care and Maintenance	15 km north of Moranbah	1999	1
Pre-construction	13 km south of Monto	0	-
Operating	35km North West Toowoomba	2002	1.1
Care and Maintenance	40 km northeast of Moranbah	2012	2
Pre-construction	20 km south of Glenden	0	
Care and Maintenance	Rosewood	1979	(
Operating	30 km northwest of Glenden	1983	1
Operating	40 km north of Moranbah	1993	
Care and Maintenance		1979	
Operating	20° X-	2004	
Operating	25 km east of the Tieri	1982	-
Pre-construction	40 km south east of Moranbah	0	ξ
Operating	17 km south of Moranbah	1972	111
Operating	25 km southeast of Moranbah	2006	-
Operating		2006	
Operating	7 km south of Collinsville	2013	
Operating	15 km northwest of Rolleston	2019	2
Operating	25 km north of Dysart	1980	111
Operating	100 km northeast of Moranbah	1996	
Pre-construction		1996	
Pre-construction	30 km south of Comet	0	
Pre-construction	33 km southeast of Moranbah	2022	111
Pre-construction	60 km south of Taroom	0	
Pre-construction	60 km south of Taroom	0	
Pre-construction	45 km north of Moranbah	0	0

20+
7-Aug
15
25 +
25+
30
15
15
15
22
2.
20-21
10+
25
15
3
4
0
20
19
80
30
10
22
30
30
30
30
30
30 3 30
3

34

Published on Ret I Act 2009

Expected End of Mining	Coal Basin
2040	Bowen
tba	Bowen
2050	Bowen
2030	Bowen
2031	Bowen
N/A	Bowen
2016	Bowen
2060	Bowen
2070	Callide
2100	Surat
2022	Bowen
2026	Bowen
2071+	Galilee
2050	Bowen
2026	Bowen
2040	Bowen
NP	Bowen
2032	Maryborough
2040	Clarence-Moreton
	Bowen
2032	Bowen
2034	Galilee Bowen Bowen Bowen Maryborough Clarence-Moreton Bowen Bowen Bowen
2045	Bowen
2040	Bowen
2045	Bowen
2045	Bowen
2070	Bowen
2024	Bowen
2035	Bowen
2064	Bowen
2040	Bowen
2039	Bowen
2041	Bowen
2040	Bowen
2038	Bowen
2037	Bowen
2019	Clarence-Moreton
2050	Bowen

2040	Bowen
2023	Bowen
2034	Bowen
2045	Surat
2044	Bowen
2045	Bowen
2050	Bowen
2035	Tarong
2035	Bowen
2037	Bowen
2039	Bowen
2021	Bowen
2045	Bowen
NP	Bowen Bowen Bowen Bowen Bowen Bowen
NP	Bowen
2030	Bowen
2050	Mulgildie
2024	Clarence-Moreton
2016	Bowen
NP	Bowen
2013	Bowen Bowen Mulgildie Clarence-Moreton Bowen Bowen West Moreton Coalfield Bowen Bowen
2040	Bowen
2023	Bowen
N/A	Bowen
2044	Bowen
2030	Bowen
2099	Bowen
2050	Bowen
2034	Bowen
2034	Bowen
2045	Bowen
2040	Bowen
2045	Bowen
2084	Bowen
2060	Bowen
2040	Bowen
2025	Bowen
2055	Surat
2055	Surat
2070	Bowen

2055	Bowen
------	-------

Published on Restlict 2009

Measures Sequence	DP Expiry	Current FTE
Baralaba Coal Measures	30/10/2026	300
Rangal Coal Measures		
Rangal Coal Measures	30/6/2020	2000
Blair Athol Measures	30/05/2022	181
Rangal Coal Measures	31/12/2023	
Rangal Coal Measures	29/06/2021	0
Fort Cooper Coal Measures	30/04/2022	20
Moranbah Coal Measures	12/05/2024	691
Callide Coal Measure	1/10/2023	820
Taroom Measures	31/12/2022	172
Rangal Coal Measures	31/03/2025	1000
Rangal Coal Measures	2/01/2024	562
Permian sequence	30/06/2023	496
Moranbah Coal Measures	14/06/2025	1600
Wolfgang Measures	31/03/2023	620
Fort Cooper Coal Measures	30/06/2022	0
Collinsville Coal Measures	19/12/2019	550
Barrum Coal Measures	29/04/2022	
Walloon Coal Measures	30/06/2022	100
Rangal Coal Measures	30/04/2021	
German Creek Formation	31/01/2023	500
Rangal Coal Measures	30/06/2022	1864
Rangal Coal Measures	30/06/2020	850
Baralaba Coal Measures	30/06/2024	1499
Baralaba Coal Measures	31/12/2023	1499
Moranbah Coal Measures and Fort Cooper Coal Measures	31/03/2023	0
Moranbah Coal Measures	18/08/2020	10
Rangal Coal Measures	30/04/2025	783
Rangal Coal Measures	16/04/2023	600
Moranbah Coal Measures	31/12/2024	3450
German Creek Formation	1/07/2024	396
Fort Cooper	30/10/2021	819
Fort Cooper Coal Measures	31/12/2024	1239
Rangal Coal Measures	14/12/2025	0
Rangal Coal Measures	31/07/2026	
Rangal Coal Measures	31/12/2025	299
Walloon Coal Measures	29/02/2020	101
Rangal Coal Measures	30/04/2022	400
-		

Rangal Coal Measures Rangal Coal Measures Moranbah Coal Measures Jundah Coal Measures **Rangal Coal Measures Rangal Coal Measures Rangal Coal Measures** Meandu Deposit **Rangal Coal Measures Rangal Coal Measures Rangal Coal Measures** Minerva Deposit **Rangal Coal Measures** Fort Cooper Coal Measures **Rangal Coal Measures Rangal Coal Measures Mulgildie Coal Measures** Walloon Coal Measures Fort Cooper Coal Measures Fort Cooper Coal Measures Walloon Coal Measures **Rangal Coal Measures Rangal Coal Measures** Moranbah Coal Measures **Rangal Coal Measures** German Creek Formation **Rangal Coal Measures** Moranbah Coal Measures **Rangal Coal Measures Rangal Coal Measures** Fort Cooper Fort Cooper Coal Measures Moranbah Coal Measures **Rangal Coal Measures Rangal Coal Measures Rangal Coal Measures** Moranbah Coal Measures Jundah Coal Measures Jundah Coal Measures Moranbah Coal Measures

	31/07/2022	225
	31/05/2024	500
	31/12/2022	1000
	28/02/2025	75
	31/03/2025	1000
	30/04/2025	995
	30/04/2023	40
	28/02/2021	0
	30/11/2020	40
	9/01/2025	600
	15/07/2026	100
	30/11/2021	200
	31/12/2023	0
	30/06/2022	400
	1/04/2024	400
	31/12/2022	1300
	30/06/2024	3
S	30/09/2022	158
	30/04/2022	20
	30/06/2023	0
	31/03/2025	4
	28/02/2021	768
	31/08/2025	230
	30/06/2020	250
0° X -	31/03/2025	1000
	31/08/2024	1000
	29/09/2025	2
	30/06/2025	2300
	30/06/2025	700
	30/06/2025	700
	15/08/2022	600
	31/12/2021	1000
	30/06/2020	2000
	30/06/2025	870
	30/06/2025	870
	31/01/2025	0
	30/09/2026	
	7/08/2022	17
	7/08/2022	17
	30/06/2025	0

Published on Retline 2009

PCI and Thermal2.5Thermal00Metallurgical and Thermal1614Thermal171.5PCI1.21Metallurgical and Thermal00Metallurgical and Thermal00Metallurgical and Thermal10013PCI and Thermal1003PCI and Thermal1003Thermal1003Metallurgical and PCI1.51Metallurgical and PCI1.510Thermal1210Thermal1210Metallurgical and Thermal1.210Metallurgical and PCI1.31Metallurgical and Thermal00Metallurgical and Thermal0.01Metallurgical and Thermal0.00Metallurgical and Thermal0.941Thermal1.53.5Metallurgical PCI65PCI and Thermal1.653.5Metallurgical PCI65PCI and Thermal1.653.5PCI and Thermal1.61.0PCI and Thermal1.65PCI and Thermal2.72.7Metallurgical and PCI2.55PCI and Thermal1.65PCI and Thermal1.65PCI and Thermal6.0055PCI and Thermal2.55Metallurgical and PCI2.55 <trr>PCI and Thermal0.0065<th>Coal Type</th><th>Current Annual ROM Mtpa</th><th>Total Annual Saleable Mtpa</th></trr>	Coal Type	Current Annual ROM Mtpa	Total Annual Saleable Mtpa
Metallurgical and Thermal1614Thermal171.15PCI1.21.4Metallurgical and Thermal00Metallurgical and Thermal00Metallurgical and Thermal103PCI and Thermal03Thermal32.5PCI and Thermal1.31Metallurgical and PCI1.51Thermal1.21.0Metallurgical and PCI1.21.0Metallurgical and PCI1.21.0Metallurgical and Thermal1.21.0Metallurgical and Thermal00Metallurgical and Thermal1.21.0Metallurgical and Thermal1.21.0Metallurgical and Thermal0.41.0Metallurgical and Thermal1.21.0Metallurgical and Thermal1.2NPMetallurgical and Thermal1.53.5Metallurgical and PCI65PCI and Thermal1.6.53.5Metallurgical And PCI65PCI and Thermal1.01.0PCI and Thermal1.01.0PCI and Thermal1.01.0Metallurgical and PCI1.01.0PCI and Thermal1.01.0PCI and Thermal1.01.0PCI and Thermal1.01.0PCI and Thermal1.01.0PCI and Thermal1.01.0PCI and Thermal1.01.0PCI an	PCI and Thermal	2.5	
n 17 11.5 PCI 1.2 1 Metallurgical and Thermal 0 0 Metallurgical and Thermal 0 0 Metallurgical and Thermal 100 Response PCI and Thermal 100 13 PCI and Thermal 3 2.5 PCI and Thermal 1.5 1 Metallurgical and PCI 1.5 1 Thermal 1.2 27 Metallurgical and Thermal 1.2 1.1 Metallurgical and Thermal 0 0 Metallurgical and Thermal 0 0 Metallurgical and Thermal 0 0 Metallurgical and Thermal 0.94 PCI and Thermal Metallurgical and Thermal 0.94 1 PCI and Thermal 1.5 4 Metallurgical And PCI 6 5 PCI and Thermal 1.5 5 Metallurgical and PCI 6 5 PCI and Thermal 1.6 5 PC	Thermal	0	0
PCI1.21.4Metallurgical and Thermal00Metallurgical and Thermal00Metallurgical10013PCI and Thermal32.5PCI and Thermal1.53Metallurgical and PCI1.510Metallurgical and PCI1.31.0Metallurgical and Thermal1.21.0Metallurgical and Thermal1.21.0Metallurgical and Thermal00Metallurgical and Thermal00Metallurgical and Thermal0.41.0Metallurgical and Thermal0.40Metallurgical and Thermal0.941.0PCI and Thermal0.941.0PCI and Thermal0.041.0Metallurgical and PCI0.01.0Metallurgical and PCI0.01.0Metallurgical and PCI0.01.0Metallurgical and PCI0.00.0PCI and Thermal0.21.0Metallurgical and PCI0.00.0PCI and Thermal0.00.0Metallurgical and PCI0.00.0Metallurgical and PCI0.000.00Metallurgical and PCI0.000.0Metallurgical and PCI0.00.0Metallurgical and PCI0.00.0Metallurgical and PCI0.00.0Metallurgical and PCI0.00.0Metallurgical and PCI0.00.0Metallurgical and PCI0.00.0 <tr< td=""><td>Metallurgical and Thermal</td><td>16</td><td>14</td></tr<>	Metallurgical and Thermal	16	14
Metallurgical and Thermal00Metallurgical00Metallurgical10013PCI and Thermal32.5PCI and Thermal74.71Metallurgical and PCI1.51Thermal12.37Metallurgical and PCI1.210Thermal12.410Metallurgical and PCI2.51Metallurgical and Thermal12.410Metallurgical and Thermal05Metallurgical and Thermal6.43Metallurgical and Thermal5.48Metallurgical and Thermal1.2NPMetallurgical and Thermal6.43Metallurgical and Thermal6.43Metallurgical and Thermal1.53Metallurgical and Thermal1.53.5Metallurgical And PCI65PCI and Thermal6.51.5Metallurgical and PCI61.6PCI and Thermal6.51.6PCI and Thermal6.73.7Metallurgical and PCI65PCI and Thermal7.73.7Metallurgical and PCI6.51.6Metallurgical and PCI6.51.6Metallurgical and PCI6.51.6Metallurgical and PCI6.51.6Metallurgical and PCI6.51.6Metallurgical and PCI6.51.6Metallurgical and PCI6.51.6 <trr>Metallurgical and PCI6.5</trr>	Thermal	17	11.5
Metallurgical and Thermal00Metallurgical10013PCI and Thermal32.5PCI and Thermal74.71Metallurgical and PCI1.51Thermal12.02.7Metallurgical and PCI1.210Metallurgical and PCI2.210Metallurgical and PCI2.210Metallurgical and Thermal12.010Metallurgical and Thermal65Metallurgical and Thermal5.33Metallurgical and Thermal5.33Metallurgical and Thermal6.91.3Metallurgical and Thermal6.91.3Metallurgical and Thermal6.91.3Metallurgical and Thermal6.91.3Metallurgical and Thermal6.91.4Metallurgical and PCI6.91.4Metallurgical and PCI6.91.4PCI and Thermal6.01.4PCI and Thermal6.11.4PCI and Thermal7.23.7Metallurgical and PCI6.13.1Metallurgical and PCI6.13.1Metallurgical and PCI6.0051.4Metallurgical and PCI9.005PCI and Thermal6.005Metallurgical and PCI9.005Metallurgical and PCI6.1Metallurgical and PCI9.005PCI and Thermal6.21.4Metallurgical and PCI9.005Metallurgical and PCI6.11.4	PCI	1.2	1
Metallurgical10NPPCI and Thermal10013Thermal32.5PCI and Thermal74.71Metallurgical and PCI1.51Thermal8.3227Metallurgical1210Thermal1210Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal1.2NPMetallurgical and Thermal0.947Thermal0.941.3Thermal0.941.3Metallurgical and Thermal6.53.6Metallurgical and Thermal16.53.6Metallurgical and Thermal16.53.6Metallurgical and Thermal16.53.6Metallurgical and PCI65PCI and Thermal16.53.6PCI and Thermal1.63.6PCI and Thermal65PCI and Thermal65PCI and Thermal65PCI and Thermal65PCI and Thermal65PCI and Thermal65Metallurgical and Thermal2.5NPMetallurgical and Thermal2.69PCI and Thermal2.61.1Metallurgical and Thermal6.005PCI and Thermal6.005PCI and Thermal6.005PCI and Thermal6.005PCI and Thermal6.1Metallurgical and Thermal2.4P	Metallurgical and Thermal	0	0
PCI and Thermal10013Thermal32.5PCI and Thermal74.71Metallurgical and PCI1.51Thermal18.3227Metallurgical1210Thermal21.1Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal1.2NPMetallurgical and Thermal0.947Thermal0.947PCI and Thermal6.53.6Metallurgical And Thermal16.53.6Metallurgical and Thermal16.53.6Metallurgical and Thermal16.53.6Metallurgical and Thermal16.53.6Metallurgical and Thermal16.53.6PCI and Thermal16.53.6PCI and Thermal65PCI and Thermal65PCI and Thermal65PCI and Thermal85PCI and Thermal2.75.72Metallurgical and Thermal2.65Metallurgical and Thermal2.61.6Metallurgical and Thermal2.69Metallurgical and Thermal2.63.1Metallurgical and Thermal2.63.1Metallurgical and Thermal3.34.7Metallurgical and Thermal3.33.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.43.4Metallurgical and Thermal	Metallurgical and Thermal	0	0
Ihermal32.5PCI and Thermal74.71Metallurgical and PCI151Thermal18.3227Metallurgical1210Thermal121Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal3.53Metallurgical Antermal0.941PCI and Thermal10.53.5Metallurgical Antermal6.53.5Metallurgical Antermal6.53.5Metallurgical Antermal6.53.5Metallurgical Antermal16.53.5Metallurgical Antermal6.65PCI and Thermal0.03.5Metallurgical and PCI65PCI and Thermal6.13.6Metallurgical Antermal6.723.72Metallurgical Antermal6.725.72Metallurgical Antermal6.0053.6Metallurgical Antermal9.0060.005Metallurgical Antermal2.62.4Metallurgical Antermal3.32.47Metallurgical Antermal3.33.4Metallurgical Antermal3.43.4Metallurgical Antermal7.4Metallurgical Antermal7.4Metallurgical Antermal7.4Metallurgical Antermal7.4Metallurgical Antermal7.4Metallurgical Antermal7.4Metallurgical Antermal7.4	Metallurgical	10	NP
PCI and Thermal74.71Metallurgical and PCI1.51Thermal18.327Metallurgical1210Thermal121Metallurgical and Thermal00Metallurgical and Thermal1.2NPMetallurgical and Thermal3.5SMetallurgical and Thermal0.94-Thermal0.94-PCI and Thermal16.53.5Metallurgical and PCI65PCI and Thermal16.53.5Metallurgical and PCI65PCI and Thermal16.510PCI and Thermal16.010PCI and Thermal16.010PCI and Thermal0.010PCI and Thermal5.725.72Metallurgical7.25.72Metallurgical and PCI2.5NPMetallurgical and PCI90.005Metallurgical0.0060.005PCI and Thermal2.62.1Metallurgical and Thermal2.62.4Metallurgical and Thermal2.62.4Metallurgical and Thermal2.62.4Metallurgical and Thermal2.63.4Metallurgical and Thermal2.63.4Metallurgical and Thermal2.63.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.33.4Metallurgical and Thermal3.63.4Metallurgical and Thermal3.6	PCI and Thermal	100	13
Metallurgical and PCI1.51Thermal18.3227Metallurgical1210Thermal211Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal1.2NPThermal0.947Thermal0.941.3Metallurgical And PCI63PCI and Thermal16.53Metallurgical And PCI610PCI and Thermal16.410PCI and Thermal16.410PCI and Thermal65PCI and Thermal65PCI and Thermal610PCI and Thermal610PCI and Thermal65PCI and Thermal65PCI and Thermal65PCI and Thermal65PCI and Thermal65PCI and Thermal65Metallurgical and Thermal66Metallurgical and Thermal66Metallurgical and Thermal66Metallurgical and Thermal66Metallurgical and Thermal66Metallurgical an	Thermal	3	2.5
Thermal 18.32 27 Metallurgical 12 10 Thermal 12 11 Metallurgical and Thermal 0 0 Metallurgical and Thermal 6 5 Metallurgical and Thermal 6 3 Thermal 3.5 3 Thermal 0.94 - PCI and Thermal 4.5 4 Metallurgical, PCI and Thermal 6.5 13.5 Metallurgical and PCI 6 5 PCI and Thermal 16.5 10 Metallurgical and PCI 6 5 PCI and Thermal 16.5 10 Metallurgical and PCI 6 10 Metallurgical and PCI 8 5 PCI and Thermal 5.72 5.72 Metallurgical and Thermal 2.5 NP Metallurgical and PCI 2.5 NP Metallurgical and Thermal 2.6 .005 PCI and Thermal 2.6 1.1 Metallurgical and The	PCI and Thermal	7	4.71
Metallurgical1210Thermal1211Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal1.2NPThermal3.53Thermal0.94-PCI and Thermal4.54Metallurgical, PCI and Thermal16.53.5Metallurgical and PCI65PCI and Thermal16.510PCI and Thermal16.410PCI and Thermal16.410PCI and Thermal16.410PCI and Thermal65PCI and Thermal5.75.72Metallurgical and PCI65PCI and Thermal5.725.72Metallurgical and PCI2.5NPMetallurgical and PCI0.0050.005PCI and Thermal0.0060.005PCI and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and PCI3.32.47	Metallurgical and PCI	1.5	1
Ihermal1211Metallurgical and Thermal00Metallurgical and Thermal65Metallurgical and Thermal1.2NPThermal3.53Thermal0.94-PCI and Thermal4.54Metallurgical, PCI and Thermal16.53.5PCI and Thermal65PCI and Thermal0TBAPCI and Thermal16.510Metallurgical and PCI65PCI and Thermal16.510PCI and Thermal16.510PCI and Thermal16.55PCI and Thermal5.725.72Metallurgical05PCI and Thermal5.725.72Metallurgical and PCI265Metallurgical and PCI0.0050.005PCI and Thermal90.005PCI and Thermal9.13.3Metallurgical and PCI3.32.47Metallurgical and PCI3.32.47	Thermal	18.32	27.0
Metallurgical and ThermalOOMetallurgical and Thermal3.5NPThermal3.53Thermal0.94-PCI and Thermal4.54Metallurgical, PCI and Thermal6.53.5Metallurgical and PCI65PCI and Thermal0.94-Metallurgical, PCI and Thermal16.53.5PCI and Thermal05PCI and Thermal0BAPCI and Thermal00Metallurgical and PCI00PCI and Thermal16.53.6PCI and Thermal85PCI and Thermal5.725.72Metallurgical and PCI265.72Metallurgical and PCI2.5NPMetallurgical and PCI90.005PCI and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and PCI3.73.4	Metallurgical	12	10
Metallurgical and Thermal65Metallurgical1.2NPThermal3.53Thermal0.94-PCI and Thermal4.54Metallurgical, PCI and Thermal16.513.5Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal16.50PCI and Thermal160PCI and Thermal00PCI and Thermal160PCI and Thermal80PCI and Thermal5.725.72Metallurgical and PCI2625Metallurgical and PCI0.0060.005PCI and Thermal99Metallurgical and PCI3.32.47Metallurgical and Thermal2.62.3	Thermal	12	11
Metallurgical1.2NPThermal3.53Thermal0.94-PCI and Thermal4.54Metallurgical, PCI and Thermal16.513.5Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal16.510Metallurgical00PCI and Thermal160PCI and Thermal160Metallurgical00PCI and Thermal85Thermal5.725.72Metallurgical and Thermal2625Metallurgical and PCI90.005PCI and Thermal9.0060.005PCI and Thermal2.62.1Metallurgical and Thermal3.32.47Metallurgical and PCI3.72.3	Metallurgical and Thermal	0	0
PCI and Thermal4.54Metallurgical, PCI and Thermal16.513.5Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal160Metallurgical00Metallurgical00Metallurgical5.725.72Thermal5.725.72Metallurgical and PCI265Metallurgical and PCI2.5NPMetallurgical and PCI0.0060.005PCI and Thermal99Metallurgical and PCI2.62.1Metallurgical and Thermal2.72.3	Metallurgical and Thermal	6	5
PCI and Thermal4.54Metallurgical, PCI and Thermal16.513.5Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal160Metallurgical00Metallurgical00Metallurgical5.725.72Thermal5.725.72Metallurgical and PCI265Metallurgical and PCI2.5NPMetallurgical and PCI0.0060.005PCI and Thermal99Metallurgical and PCI2.62.1Metallurgical and Thermal2.72.3	Metallurgical	1.2	NP
PCI and Thermal4.54Metallurgical, PCI and Thermal16.513.5Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal160Metallurgical00Metallurgical00Metallurgical5.725.72Thermal5.725.72Metallurgical and PCI265Metallurgical and PCI2.5NPMetallurgical and PCI0.0060.005PCI and Thermal99Metallurgical and PCI2.62.1Metallurgical and Thermal2.72.3	Thermal	3.5	3
Metallurgical, PCI and Thermal16.513.5Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal160Metallurgical00PCI and Thermal85Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI265Metallurgical and PCI0.0060.005Metallurgical99Metallurgical and PCI2.62.1Metallurgical and Thermal2.62.47Metallurgical and Thermal2.72.3	Thermal	0.94	
Metallurgical and PCI65PCI and Thermal0TBAPCI and Thermal1610Metallurgical00PCI and Thermal85Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI26SMetallurgical0.0060.005PCI and Thermal99Metallurgical and PCI2.62.1Metallurgical and Thermal3.32.47Metallurgical and PCI3.72.3	PCI and Thermal	4.5	4
PCI and Thermal0TBAPCI and Thermal1610Metallurgical00PCI and Thermal85Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI2625Metallurgical0.0060.005PCI and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Metallurgical, PCI and Thermal	16.5	13.5
PCI and Thermal1610Metallurgical00PCI and Thermal85Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI2625Metallurgical0.0060.005Metallurgical90.005Metallurgical and PCI3.32.47Metallurgical and PCI3.32.47	Metallurgical and PCI	6	5
Metallurgical00PCI and Thermal85Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI2625Metallurgical2.5NPMetallurgical0.0060.005PCI and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and PCI2.72.3	PCI and Thermal	0	ТВА
PCI and Thermal85Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI2625Metallurgical2.5NPMetallurgical0.0060.005PCI and Thermal99Metallurgical and PCI2.62.1Metallurgical and Thermal3.32.47Metallurgical and PCI2.72.3	PCI and Thermal	16	10
Thermal5.725.72Metallurgical and Thermal43Metallurgical and PCI2625Metallurgical2.5NPMetallurgical0.0050.005PCI and Thermal99Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Metallurgical	0	0
Metallurgical and Thermal43Metallurgical and PCI2625Metallurgical2.5NPMetallurgical0.0060.005PCI and Thermal99Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	PCI and Thermal	8	5
Metallurgical and PCI2625Metallurgical2.5NPMetallurgical0.0060.005PCI and Thermal99Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Thermal	5.72	5.72
Metallurgical2.5NPMetallurgical0.0060.005PCI and Thermal99Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Metallurgical and Thermal	4	3
Metallurgical0.0060.005PCI and Thermal99Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Metallurgical and PCI	26	25
PCI and Thermal99Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Metallurgical	2.5	NP
Metallurgical and Thermal2.62.1Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	Metallurgical	0.006	0.005
Metallurgical and PCI3.32.47Metallurgical and Thermal2.72.3	PCI and Thermal	9	9
Metallurgical and Thermal 2.7 2.3	Metallurgical and Thermal	2.6	2.1
	Metallurgical and PCI	3.3	2.47
	Metallurgical and Thermal	2.7	2.3
Thermal 0 0	Thermal	0	0
PCI 5.5 5	PCI	5.5	5

PCI and Thermal	1	1
PCI and Thermal	0	0
Metallurgical	7	5
Thermal	2.8	0
PCI and Thermal	0.5	ТВА
Metallurgical and PCI	11	9
PCI and Thermal	0	0
Thermal	9.5	7.5
Thermal	0.5	0
Metallurgical and Thermal	5	NP
Metallurgical and PCI	0.6	0.5
Thermal	7	2
PCI and Thermal	0	0
PCI and Thermal	3	2 5
PCI and Thermal	1.5	1
Metallurgical and PCI	9	8
Thermal	0	0
Thermal	6	4
Metallurgical and Thermal	0	0
Metallurgical and Thermal		0.7
Thermal	0	0
Metallurgical and Thermal		5.5
Metallurgical	0.2	0.16
Metallurgical	0	0
PCI and Thermal	5	ТВА
Metallurgical	5	NP
Metallurgical	15	0
Metallurgical	25	19
Metallurgical and PCI	7	5
Metallurgical and PCI	7	5
Metallurgical	0.5	NP
Metallurgical and PCI	17	15
Metallurgical and PCI	18	10
PCI and Thermal	9	7
PCI and Thermal	9	7
PCI and Thermal	0	0
Metallurgical and Thermal	1.9	1.3
Thermal	30	22
Thermal	30	22
	0	0

4

Published on Refl Act 2009

JORC Code Edition	Year of Estimate	Total Resources Project Mt	Measured Mt	Indicated Mt	Inferred Mt
2012	2016	96.8	26.4	39.9	30.5
2012	2016	273.1	0	116.2	156.9
2012	2019	1881	375	506	1000
2012	2018	45	31	12	2
2012	2018	81	0	40	42
NP	N/A	219.6	NP	NP	219.6
NP	2016	286	150	116	20
2012	2016	2183	384	643	1156
2012	2018	1064	664	345	55
2012	2017	315	190	55	70
2012	2018	384	66.95	NP	NP
2012	2017	177	92	50	35
2012	2014	11120	4000	3300	3820
2012	2019	760	423	207	130
2012	2018	113	90	18	5
NP	2016	190	76	67	47
2012	2017	485	100	235	150
2012	2018	24	0	9	15
NP	2018	95	NP	NP	NP
2012	2019	210	15	155	40
NP	2017	63	23	17	23
2012	2017	172.7	165.7	6.9	0
2012	2019	151	105	35	10.6
2012	2012	852	292	291	316
2012	2018	237	120	89	27
NP	2013	215	0	145	70
2012	2020	1143	759	201	183
2012	2019	225	174	49	0
2012	2016	100	42	37	25
2012	2019	1874	1364	455	55
2012	2019	153	112	31	10
2012	2020	461	269	124	68
2012	2018	759	154	585	20
2012	2017	361	61	149	151
2012	2020	36	25	11	0
2012	2016	68	35	24	9
2012	2012	129	46	72	11
2012	2020	636	191	182	261

2012NP18110720122017240113910020122016204.5144.530302012201332127.4847201220131254828472012201363037.51805200420101401452012201813273545201220181323177201220181906111122004209763330122012201815NPNPNP2012201611NPNP20122016153031902320122016515303190232012201788068103202012201788068133102012201784451.5NPNP2012201834451.25NPNP20122019507211281842012201838451.25NPNP201220192051554959201220192051554959201220191635549502012201916351501420122019163<	2012	2015	45	0	31	13
20122016204.5144.530302012201338463.12NPNP20122013321272472201220136303751807200420101401452012201363073545201220181327131220122018190671121201220181906711212012201815NPNPNP201611NPNP13220122016341913220122016515303190201201220162861501602012012201784068133208NPN/A00002012201784437128201220195072141282012201834451.25NP20122019605151.9862012201916351.251902012201916351.4492012201916351.4492012201916351.4492012201916351.4492012201916351.4492012201916351	2012	NP	18	1	10	7
2012201838463.12NPNP201220133212724722012201712548284720122013630375180720042010140014201220181327354520122009763330122004201819067111NP201611NPNPNPNP201674531922012201234191322012201651530319023NP201651530319023NP20165153031002020122017868307123418SECnorUORC201413512114NP20122019507211128182012201950721114NP2012201916355495920122019163554959201220191635549592012201916355495920122019163554959201220191635740522014201916357405220122019	2012	2017	240	1	139	100
2012201332127247220122017125482847201220136303751807520042010140014201220181327354520122020371317720042009763330122012201819067112NP201611NPNPNPNP201674531922012201234191322012201651530319023NP2016286150162020122017848307123418SECnotUORC201413512114NP20122019507211128182012201950721112818201220195072141351012012201916355495920122019163554959201220191635138,7190201220191635128,719201220191635138,719201220191635128,719201220191635138,7192012201	2012	2016	204.5	144.5	30	30
2012201712548284720122013630375180752004201014001420122018132735452014200037131772004200976333012201220181906711212012201611NPNPNPNP20167453192120122012341913220122016515303100232012201738068130208NP20162861501642020122017380680328NP20163512114NP201220178483071234182012201836451.5NPNP2012201950721134131201220187002483501012012201916355495920122019163554959NPN/A25NPNPNPNP2015251177571820122019740251283.71902012201974025128.371902012201974	2012	2018	384	63.12	NP	NP
2012201363037518075200420101400142012201813273545201420203713177200420097633301220122018190671112NP201611NPNPNPNP2016745319022012201234191322012201651530319022012201738068103208NPN/A0000201220178483071234182012201950721114NP201220195072133442012012201950721334420120122019507213344201201220191635549592012201916355495920122019163554959NPN/A25NPNPNPNP20151023643574052201220197402513431901012012201974025134319010220122019740251343190101<	2012	2013	321	272	47	2
2004201014001420122018132735454201220203713177200420097633301220122018190671112NP201611NPNPNPNP201674531922012201234191322012201651530319023NP20162861501632020122017848307123418SECnotUORC201413512114NP2012201838451.25NPNP2012201838451.25NPNP2012201870024835011020122019163554959201220191635549592012201916384137121201220191635549592012201974025128.71902012201974025128.71902012201974025128.71902012201974025128.71902012201974025128.71902012201974025128.7190 <t< td=""><td>2012</td><td>2017</td><td>125</td><td>48</td><td>28</td><td>47</td></t<>	2012	2017	125	48	28	47
20122018132735454201220203713177200420097633301220122018190671112NP201611NPNPNPNP201674531922012201234191322012201651530319023NP2016286150166202012201738068100020122017884307123418SECnotJORC201838451.25NPNP2012201838451.25NPNP2012201884351.25NPNP201220187002483501102012201916355495920122019163554959201220191635549592012201974025128.71902012201974025128.7192012201974025128.7192012201974025128.7192012201974025128.7192012201974025128.7192012201974025128.7192	2012	2013	630	375	180	75
201220203713177200420097633301220122018190671112NP201611NPNPNP201815NPNP2020122016745319220122016341913220122016286150116202012201738068103208NP2016286150116202012201738068103208NPN/A000020122017848307123418SECnotJORC201413512114NP201220195072141281182012201838451.25NPNP201220192051513342072012201916355495920122019163514959NP2015252177571820122019740251283.719020122019740251283.719020122019740251283.719020122019740251283.719020122019740251283.71902012	2004	2010	14	0	0	14
200420097633301220122018190671112NP201611NPNPNP201815NPNPNP2014745319220122016745319232012201651530319023NP2016286150116202012201738068103208NPN/A000020122017848307123418SECnotJORC201413512114NP201220195072211281182012201838451.25NPNP2012201870024835011020122019163554959201220191635149592012201910238441374220122019740251283.719020122019740251283.719020122019740251283.719020122019740251283.719020122019740251283.719020122019740251283.719020122019740251283.71902012 <t< td=""><td>2012</td><td>2018</td><td>132</td><td>73</td><td>54</td><td>5</td></t<>	2012	2018	132	73	54	5
20122018190671112NP201611NPNPNPNP201815NPNP1322012201234191322012201651530319023NP2016286150116202012201738068103208NPN/A000020122017848307123418SECnotJORC201413512114NP201220195072141361102012201884451.25NPNP2012201916355495920122019163554959201220191635549592012201910238441371820122019740251283.7190201220197405183.71902012201974051283.7190201220197405138.71902012201915546201220197405183.7190201220197405150.713201220197405150.7191201220197405150.7191 <td>2012</td> <td>2020</td> <td>37</td> <td>13</td> <td>17</td> <td>7</td>	2012	2020	37	13	17	7
NP201611NPNPNPNP201815NPNPNP2012201234191322012201231530319033NP2016286150116202012201738068103208NPN/A000020122017848307123418SECnotJORC201413512114NP201220195072141381102012201838451.25NPNP20122018700248350110201220191635549592012201916355495920122019163554959201220191023844137182012201974025128.3719020122019740518.3719201220197405138.37190201220197405138.37190201220197405138.37190201220197405138.3719020122019740515045201220197405150190191201220191554 <t< td=""><td>2004</td><td>2009</td><td>76</td><td>33</td><td>30</td><td>12</td></t<>	2004	2009	76	33	30	12
NP201815NPNPNPNP201674531922012201234191322012201651530319023NP201628615011620201220173806803020122017848307123418SECnotJORC201413512114NP201220195072111281182012201838451.25NPNP20122018700248350110201220192051519863669201220191635549592012201916355495920122019122177571820122019740251233.719020122019740251233.719020122019740251233.719020122019740251233.719020122019740251233.71902012201974055405220122019740251233.719020122019740251233.7190201220197402515040522012201974055 <t< td=""><td>2012</td><td>2018</td><td>190</td><td>6</td><td>71</td><td>112</td></t<>	2012	2018	190	6	71	112
NP201674531922012201234191322012201635530319023NP201628615011620201220173806803020122017848307123418SECndJORC201413512114NP201220195072211281182012201838451.25NPNP2012201870024835011020122019205151986366920122019163554959201220191635549592012201910238441374220122019740251233.71902012201974025123.71902012201974025123.71902012201974025123.71902012201974025123.71902012201974025123.71902012201974025123.71902012201974025123.719020122019740251504052201220197402515040522012201975	NP	2016	11	NP	NP	NP
20122012201234191322012201651530319023NP2016286150116202012201738068103208NPN/A000020122017848307123418SECnotJORC201413512114NP201220195072141281182012201838451.25NPNP201220187002483501102012201816351.2549692012201916355495920122019163554959NPN/A2.5NPNPNPNP201525117757182012201910238441374220122019740251283.71902012201974055405220122019155405220122019740251283.7190201220191554620122019740554620122019155462012201974051283.719020122019155462014	NP	2018	15	NP	NP	NP
2012201651530319023NP201738068103208NPN/A000020122017848307123418SECnotJORC201413512114NP201220195072211281182012201838451.25NPNP20122018700248350110201220188132723342072012201920515198636692012201916355495920122019163554959NPN/A2.5NPNPNP2012201910238441374220122019740251283.7190201220197405540522012201974051283.71902012201974051283.71902012201915546201220191554620122019155462012201974051283.719020122019554620122019554620122019554620142014 <td>NP</td> <td>2016</td> <td>74</td> <td>53</td> <td>19</td> <td>2</td>	NP	2016	74	53	19	2
NP2016286150116202012201738068103208NPN/A000020122017848307123418SECnotJORC201413512114NP201220195072111281182012201838451.25NPNP20122018700248350110201220187002483501012012201920515198636692012201916355495920122019163554959NPN/A2.51775718201220191023844137422012201974025128.7190201220197405540522012201915540522012201974025128.71902012201915546201220191554620122019155462012201915546201220191554620122019155462012201915546201420142916<	2012	2012	34	19	13	2
2012201738068103208NPN/A000020122017848307123418SECnotJORC201413512114NP20122019507221128182012201838451.25NPNP20122018700248350110201220168132723342072012201920515198636692012201916355495920122019163554959NPN/A2.5NPNPNPNP201510238441374220122019740251283.719020122019740251283.7190201220197405546201220191554620122019740251283.719020122019155462012201915546201220191554620122019155462012201915546201220191554620122019155462012201915 <td>2012</td> <td>2016</td> <td>515</td> <td>303</td> <td>190</td> <td>23</td>	2012	2016	515	303	190	23
NPN/A000020122017848307123418SECnotJORC201413512114NP201220195072211281182012201838451.25NPNP2012201870024835011020122016813272334669201220191635549592012201916355495920122019163554959NP201525217757182012201910238441374220122019740251283.71902012201974055405220122019740251283.719020122019155452201220191555405220122019740251283.7190201220191554522012201915546201420191554620142019155462014201915546201420142916550110	NP	2016	286	150	116	20
20122017848307123418SECnotUORC201413512114NP201220195072211281182012201838451.25NPNP20122018700248350110201220168132723342072012201920515198636692012201916355495920122019163554959NPN/A2.5NPNPNPNP201517757182012201910238441374220122019740251283.71902012201844935740522012201915545201220184293574052201220182916500119020142019155500119020142019155500119020142011291612265001190	2012	2017	380	68	103	208
SECnotJORC201413512114NP201220195072211281182012201838451.25NPNP20122018700248350110201220168132723342072012201920515198636692012201916355495920122019163554959NPN/A2.5NPNPNPNP20155217757182012201910238441374220122019740251283.719020122018449357405220122019155452201220191550119020122019155011902012201915501190201220191550119020142011291612265001190	NP	N/A	0	0	0	0
201220195072211281182012201838451.25NPNP2012201870024835011020122016813272334207201220192051519863692012201916355495920122019163554959NPN/A2.5NPNPNPNP201525217757182012201910238441374220122019740251283.719020122018449357405220122019155452201220191550411020122019155011902012201929165001190	2012	2017	848	307	123	418
2012201838451.25NPNP20122018700248350110201220168132723342072012201920515198636692012201916355495920122019163554959NPN/A2.5NPNPNPNP201525217757182012201910238441374220122019740251283.7190201220184493574052201220191554620122019155011902012201829165001190	SECnotJORC	2014	135	121	14	NP
20122018700248350110201220168132723342072012201920515198636692012201916355495920122019163554959NPN/A2.5NPNPNP2012201910238441374220122019740251283.719020122019740251283.71902012201915545201220191554620142011291612265001190	2012	2019	507	221	128	118
201220168132723342072012201920515198636692012201916355495920122019163554959NPN/A2.5NPNPNP201220191023844137422012201910238441374220122019740251283.719020122018449357405220122019155462012201915500119020142011291612265001190	2012	2018	384	51.25	NP	NP
2012201920515198636692012201916355495920122019163554959NPN/A2.5NPNPNP201525217757182012201910238441374220122019740251283.719020122019740557405220122019155452201220191550119020142011291612265001190	2012	2018	700	248	350	110
2012201916355495920122019163554959NPN/A2.5NPNPNP201525217757182012201910238441374220122019740251283.719020122018449357405220122019155452012201929165001190	2012	2016	813	272	334	207
20122019163554959NPN/A2.5NPNPNPP201525217757182012201910238441374220122019740251283.719020122019740251283.7190201220184493574052201220191554620042011291612265001190	2012	2019	2051	519	863	669
NPN/A2.5NPNPNPNP201525217757182012201910238441374220122019740251283.7190201220184493574052201220191554620042011291612265001190	2012	2019	163	55	49	59
NP201525217757182012201910238441374220122019740251283.7190201220184493574052201220191554620042011291612265001190	2012	2019	163	55	49	59
2012201910238441374220122019740251283.7190201220184493574052201220191554620042011291612265001190	NP	N/A	2.5	NP	NP	NP
20122019740251283.719020122019740251283.719020122018449357405220122019155462004201129161226500119020042011291612265001190	NP	2015	252	177	57	18
20122019740251283.719020122018449357405220122019155462004201129161226500119020042011291612265001190	2012	2019	1023	844	137	42
20122018449357405220122019155462004201129161226500119020042011291612265001190	2012	2019	740	251	283.7	190
20122019155462004201129161226500119020042011291612265001190	2012	2019	740	251	283.7	190
2004201129161226500119020042011291612265001190	2012	2018	449	357	40	52
2004 2011 2916 1226 500 1190	2012	2019	15	5	4	6
	2004	2011	2916	1226	500	1190
2012 2019 1373 0 1224 149	2004	2011	2916	1226	500	1190
	2012	2019	1373	0	1224	149

2012	2018	208	106	82	20

Published on Ret I Act 2009

Destination Port	Local_Government_Area	Mining Type
Gladstone	Central Highlands	Open-cut
tba	Central Highlands	tba
Hay Point	Central Highlands	Open-cut
Dalrymple Bay Gladstone	Isaac	Open-cut
Gladstone	Central Highlands	Open-cut
Dalrymple Bay	Isaac	Open-cut - truck and shovel
Dalrymple Bay	Isaac	Open-cut
Abbot Point	Isaac	Open-cut and UG
Domestic Gladstone	Banana	Open-cut
Brisbane	Western Downs	Open-cut and UG
Gladstone	Central Highlands	UG - Longwall
Dalrymple Bay Coal Terminal	Isaac	UG - longwall, bord and pillar
Abbot Point	Charters Towers	Open-cut and UG- Longwall
Hay Point	Isaac	Open-cut
Dalrymple Bay	Isaac	Open-cut
Abbot Point	Isaac	Open-cut and UG
Abbot Point	Whitsunday	Open-cut
Gladstone	Fraser Coast	Open-cut - truck and shovel
Domestic	Toowoomba	Open-cut and UG
	Central Highlands	UG - Bord and pillar
	Isaac	Open-cut
Gladstone and Domestic	Central Highlands	Open-cut
Hay Point	Isaac	Open-cut
Gladstone	Banana	Open-cut
Gladstone	Banana	Open-cut
Gladstone	Isaac	Bord and Pillar
Hay Point	Isaac	UG - Longwall
Gladstone	Central Highlands	Open-cut and underground
Dalrymple Bay	Isaac	Open-cut
, Dalrymple Bay	Isaac	Open-cut and UG
Gladstone	Central Highlands	investigating underground
DBCT	Isaac	UG - Longwall
Dalrymple Bay	Isaac	Open-cut
Dalrymple Bay	Isaac	Longwall
Darlymple Bay Coal Terminal	Isaac Regional Council	Open-cut
Dalrymple bay	Isaac	commencing ~2024
QBH Port Queensland	Ipswich	Open-cut
Gladstone	Central Highlands	Open-cut

Gladstone	Central Highlands	Open-cut
, , ,	Isaac	UG - Longwall
Gladstone	Central Highlands	UG - Longwall
Domestic	Western Downs	Open-cut
Gladstone	Isaac	Open-cut
Gladstone Port, Dalrymple Bay and	Alsaac	Open-cut
Gladstone	Isaac	Open-cut
Domestic	South Burnett	Open-cut and UG - Longwall
Gladstone	Central Highlands	Open-cut
Abbot Point	Isaac	Open-cut
Dalrymple Bay, Abbot Point	Isaac	Open-cut
Gladstone	Central Highlands	Open-cut
WICET	Central Highlands	UG - Longwall
	Isaac	Open-cut
	Isaac	Open-cut
Abbot Point	Isaac	UG - Longwall
Gladstone	North Burnett	Open-cut
Brisbane	Toowoomba	Open-cut
Dalrymple Bay	Isaac	Open-cut
Dalrymple Bay	Isaac	Open-cut
N/A	Ipswich	N/A
N/A Abbot Point	Ipswich Isaac	N/A Open-cut
	6	
Abbot Point	Isaac	Open-cut
Abbot Point Gladstone	Isaac Isaac	Open-cut Longwall
Abbot Point Gladstone Dalrymple Bay	Isaac Isaac Isaac	Open-cut Longwall Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone	Isaac Isaac Isaac Isaac	Open-cut Longwall Open-cut Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone	Isaac Isaac Isaac Isaac Central Highlands	Open-cut Longwall Open-cut Open-cut Longwall
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay	Isaac Isaac Isaac Isaac Central Highlands Isaac	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac	Open-cut Longwall Open-cut Dopen-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac	Open-cut Longwall Open-cut Dopen-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Isaac	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Abbot Point	Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Isaac Isaac Whitsunday	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut and UG - Longwall Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Hay Point Gladstone	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Isaac Whitsunday Central Highlands	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut Open-cut Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Abbot Point Gladstone Hay Point	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Isaac Whitsunday Central Highlands Isaac	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut Open-cut Open-cut Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Gladstone Hay Point Hay Point	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Isaac Whitsunday Central Highlands Isaac Isaac Isaac	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Gladstone Hay Point Hay Point Hay Point	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Whitsunday Central Highlands Isaac Isaac Isaac Isaac	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Gladstone Hay Point Hay Point Hay Point Gladstone	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Whitsunday Central Highlands Isaac Isaac Isaac Isaac Central Highlands	Open-cutOpen-cutOpen-cutOpen-cutDopen-cut and HighwallOpen-cut and UG - LongwallOpen-cut and UG - LongwallOpen-cutOpen-cutOpen-cut and UG - LongwallOpen-cutOpen-cutOpen-cutOpen-cutOpen-cutOpen-cutOpen-cutOpen-cutOpen-cutOpen-cut and UG - LongwallOpen-cut
Abbot Point Gladstone Dalrymple Bay Gladstone Dalrymple Bay and Gladstone Hay Point, Dalrymple Bay Hay Point Dalrymple Bay Hay Point Hay Point Abbot Point Gladstone Hay Point Hay Point Hay Point Hay Point Gladstone	Isaac Isaac Isaac Isaac Central Highlands Isaac Isaac Isaac Whitsunday Central Highlands Isaac Isaac Isaac Central Highlands Isaac Isaac	Open-cut Longwall Open-cut Open-cut Longwall Open-cut and Highwall Open-cut and UG - Longwall Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut Open-cut

Published on Retl Act 2009