



21 August 2019

UPDATED COAL RESERVES AT ISAAC PLAINS and ANNUAL COAL RESOURCES & RESERVE SUMMARY

Highlights

- Stanmore Coal has added significant Coal Reserves over the last 12 months to sustain a long-life mining operation using existing infrastructure at the Isaac Plains Complex
- The Coal Resources across all tenements held totalled 1.7 billion tonnes
- Total Coal Reserves formally declared and published are now 169 million tonnes which is a 16% increase compared to 12 months ago
- Total Marketable Coal Reserves are 129 million tonnes

Stanmore Coal Limited (Stanmore) (ASX: SMR) is pleased to provide an updated summary of the company's Coal Resources and Coal Reserves reported under the relevant Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves ('the JORC Code') at the time each report was published. As further work is undertaken on the relevant projects under Stanmore's control, the Coal Resources, Coal Reserves and Marketable Coal Reserves will be updated to meet the standard of the latest version of the JORC Code applicable.

Stanmore Coal has successfully added significant Coal Resources and Coal Reserves in and around the Isaac Plains portfolio over the last 12 months. In particular, the Coal Resources at Isaac Downs Project increased during the year, and a Maiden Coal Reserve was also published for that project.

Table 1: Coal Resources status at the Isaac Plains Complex by category (reported in accordance with the 2012 JORC Code)

Resource Category	Coal Resources (as at end Jun 2018)	Updated Coal Resources			
	Total IPC	IP & IPE	ID	IS	Total
Measured (Mt)	65.7	35.1	17	11.9	64.0
Indicated (Mt)	48.2	30.1	12	14.5	56.6
Total M&I Resources (Mt)	113.9	65.2	29	26.4	120.6
Inferred (Mt)	43	17	4	25	46
Total Resources (Mt)	157	82.2	33	52	167

Note 1: IPC – includes Resources at Isaac Plains, Isaac Plains East, and Isaac Downs areas; IP – Isaac Plains; IPE – Isaac Plains East; ID – Isaac Downs Project; IS – Isaac South Project (within EPC755)

Note 2: The IPC Coal Resources above shows the May 2018 Coal Resource Report and does not include a reduction due to mining depletion during FY19 of approximately 3 Million tonnes

Further definition of the Isaac Downs Project area included an assessment of Coal Resources and Coal Reserves that combine the MDL137 and EPC728 areas acquired from Peabody in 2018 with areas of EPC755 held by Stanmore. The formal update was provided to the market in December 2018.

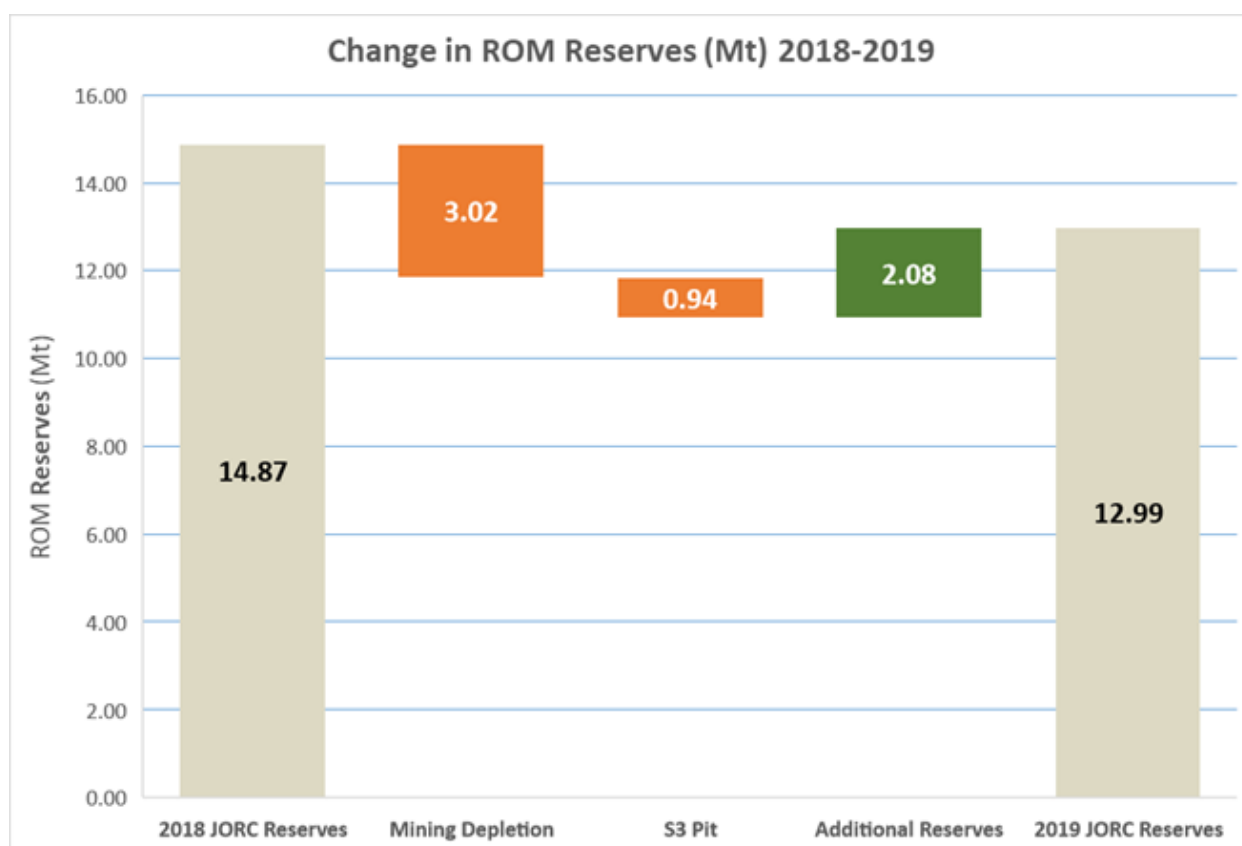
Table 2: Coal Reserve Status at the Isaac Plains Complex by Category and Project area (assessed according to the 2012 JORC Code) – with Isaac Downs now quoted

Reserve Category	Previous Coal Reserves (as at end March 2018)	Updated Coal Reserves (as at end June 2019)				Change
	IP Complex	IP & IPE	IPU	ID	Total	
Proved (Mt)	12.1	10.3	-	17.0	27.3	+126%
Probable (Mt)	15.7	2.7	12.9	7.5	23.1	+47%
Total Recoverable Reserve (Mt)	27.8	13.0	12.9	24.5	50.4	+81%
Coking coal (Mt)	19.1	9.6	8.2	15.8	33.6	
Thermal coal (Mt)	1.8	0.4	1.2		1.6	
Total Marketable Reserve (Mt)	20.9	10.0	9.4	15.8	35.2	+68%

Note 1: IPC – Isaac Plains Complex; IPU – Isaac Plains Underground Project; ID – Isaac Downs Project

Note 2: The IPC Opencut figures have been updated as at end June 2019 and include the 3 million tonnes of mining depletion

The following waterfall chart illustrates the change in Coal Reserves at the Isaac Plains Opencut Complex (excluding Isaac Downs) since 2018. A reduction in Coal Reserves due to mining depletion and the removal of Reserves contained in the S3 pit at Isaac Plains were partially offset by additional Coal Reserves. Coal Reserves in the S3 pit were removed on the basis they did not pass an economic test and the S3 pit is now part of Isaac Plains rehabilitation effort.



The following tables present the current status of Coal Resources estimated for all of Stanmore Coal's projects and the result of the mine planning work undertaken to define Coal Reserves and Marketable Coal Reserves within Stanmore Coal's portfolio of operating mines and projects.

Table 3: Coal Resources for all Stanmore Coal Projects

Stanmore Coal - Coal Resources, June 2019								
Project Name	Tenement	Coal Type *	Measured Resources	Indicated Resources	Inferred Resources	Total Resources	Competent Person	Report Date
Isaac Plains	ML 70342, ML 700018, ML 700019	C,T	22.2	21.3	9	52	A	May-18
Isaac Plains East	ML 700016, ML 700017, ML 700018, ML 700019	C	12.9	8.8	8	30	A	May-18
Isaac Downs	MDL 137, EPC 728	C, PCI	17.0	12.0	4	33	B	Mar-18
Isaac South	EPC 755	C, T	11.9	14.5	25	52	C	Jun-18
Isaac Plains Complex	Sub Total		64.0	56.6	46	167		
Clifford	EPC 1274, EPC 1276	T	0.0	200.0	430	630	D	Aug-16
The Range	EPC 1112, EPC 2030	T	18.1	187.0	81	286	A	Oct-12
Surat Basin Complex	Sub Total		18.1	387.0	511	916		
Mackenzie	EPC 2081	C, T	0.0	25.7	117	143	A	Nov-11
Belview	EPC 1114, EPC 1186, EPC 1798	C, PCI	0.0	50.0	280	330	A	Mar-15
Tennyson	EPC 1168, EPC 1580	T	0.0	0.0	139	139	A	Dec-12
Lilyvale	EPC 1687, EPC 2157	C	0.0	0.0	33	33	A	Feb-19
Total Coal Resources	Sub Total		82.1	519.3	1126	1728		
* Coal Types Potential Legend			Competent Person					
C - Coking Coal, semi-soft or greater potential			A - Troy Turner - Xenith					
PCI - Pulverised Coal Injection			B - James Knowles - Measured Group					
T - Export Thermal grade			C - Mal Blaik - JB Mining					
			D - Oystein Naess - Xenith					
Note 1: All Coal Resources are reported under The Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves ('the JORC Code') applicable at the time each report was published. Reports dated 2012, and earlier, used the JORC 2004 version, reports dated after 2012 reported against the requirements of the 2012 JORC code.								
Note 2: Rounding to the nearest significant figure is applied to Total Resource Tonnes in the Inferred Category. This is deemed conservative and reflective of the Inferred Resource category confidence level and accounts for the minor differences in the overall total reported resources.								
Note 3: All Coal Resources are reported on a 100% basis; Stanmore Coal's economic interest in Clifford is 60%, Mackenzie is 95%, and Lilyvale is 85%, all other tenure is 100% owned by Stanmore Coal.								

Table 4: Coal Reserves and Marketable Coal Reserves for all Stanmore Coal's Projects

Stanmore Coal - Coal Reserves, June 2019									
Project Name	Tenement	Coal Reserves			Marketable Reserves			Competent Person	Report Date
		Proved	Probable	Total	Proved	Probable	Total		
Isaac Plains Open-cut	ML 70342	1.0	0.1	1.1	0.7	0.0	0.7	E	Aug-19
Isaac Plains East Open-cut	ML 700016, ML 700017, ML 700018, ML 700019	9.4	2.6	11.9	7.2	2.0	9.2	E	Aug-19
Isaac Plains Underground	ML 70342, ML 700018, ML 700019	0.0	12.9	12.9	0.0	9.4	9.4	F	Apr-18
Isaac Downs	MDL 137, EPC 728	17.0	7.5	24.5	11.2	4.6	15.8	E	Dec-18
Isaac Plains Complex	Sub Total	27.3	23.1	50.4	19.1	16.0	35.1		
The Range	EPC 1112, EPC 2030, MLA 55001	0.0	116.6	116.6	0.0	94.2	94.2	G	Jul-11
Total Coal Reserves	Sub Total	27.3	139.7	167.0	19.1	110.2	129.3		
Coal Type Ratio - Coking:Thermal (% of Marketable Coal Reserve)					Competent Person				
Isaac Plains OC		69%:31%			E - Tony O'Connel - Optimal / Measured Group				
Isaac Plains East OC		98%:2%			F - Mark McKew - Geostudy				
Isaac Plains Underground		88%:12%			G - Richard Hoskings - Minserve				
Isaac Downs		100% Coking							
The Range		100% Thermal							
<p>Note 1: All Coal Resources are reported under The Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves ('the JORC Code') applicable at the time each report was published. Reports dated 2012, and earlier, used the JORC 2004 version, reports dated after 2012 reported against the requirements of the 2012 JORC code.</p> <p>Note 2: Totals may not be exact due to significant figure rounding.</p> <p>Note 3: The Reserves quoted for The Range project were established in 2011 under the relevant JORC Code at the time and used a coal price of A\$120/tonne for benchmark NEWC thermal coal equivalent. These Reserves were supported by a Feasibility Study that assumed the completion of the Surat Basin rail to connect the mine to the Port of Gladstone.</p> <p>Note 4: All Coal Reserves are reported on a 100% basis, and Stanmore Coal's economic interest in the tenure above is 100%.</p> <p>Note 5: The IP & IPE Coal Resources above shows the May 2018 Coal Resource Report and does not include a reduction due to mining depletion during FY19 of approximately 3 Million tonnes</p>									

Figure 1 (attached) illustrates all the tenement areas held in Queensland and Figure 2 (attached) illustrates the tenements that form part of the Isaac Plains Complex.

Appendix 1 (attached) contains Table 1 (JORC, 2012) for the Isaac Plains Complex Coal Reserve Estimate (as at 30 June 2019), which is included to support the updated Coal Reserve Estimate for the Isaac Plains and Isaac Plains East mines.

Yours faithfully

Ian Poole
Company Secretary

For further information, please contact:

Dan Clifford
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07 3238 1000

Ian Poole
Chief Financial Officer & Company Secretary
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About Stanmore Coal Limited (ASX: SMR)

Stanmore Coal operates the Isaac Plains coking coal mine in Queensland's prime Bowen Basin region. Stanmore Coal owns 100% of the Isaac Plains Complex which includes the original Isaac Plains Mine, the adjoining Isaac Plains East (operational), Isaac Downs (open cut mine project) and the Isaac Plains Underground Project. The Company is focused on the creation of shareholder value via the efficient operation of the Isaac Plains Complex and the identification of further development opportunities within the region. In addition, Stanmore Coal holds a number of high-quality development assets (both coking and thermal coal resources) located in Queensland Bowen and Surat basins.

Competent Person Statement

The information in this announcement is published and based on information compiled by the relevant Competent Person as described and defined under the JORC Code. Each Competent Person is a member of the Australian Institute of Mining and Metallurgy and have consented to the publication of the relevant Resource or Reserve as indicated on the attached tables. Each Competent Person has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking, to qualify as Competent Person as defined in the JORC Code. Each Competent Person consents to the inclusion in this announcement/report of the matters described, in the form and context in which it appears.

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Figure 1: Stanmore Coal current tenements in Queensland

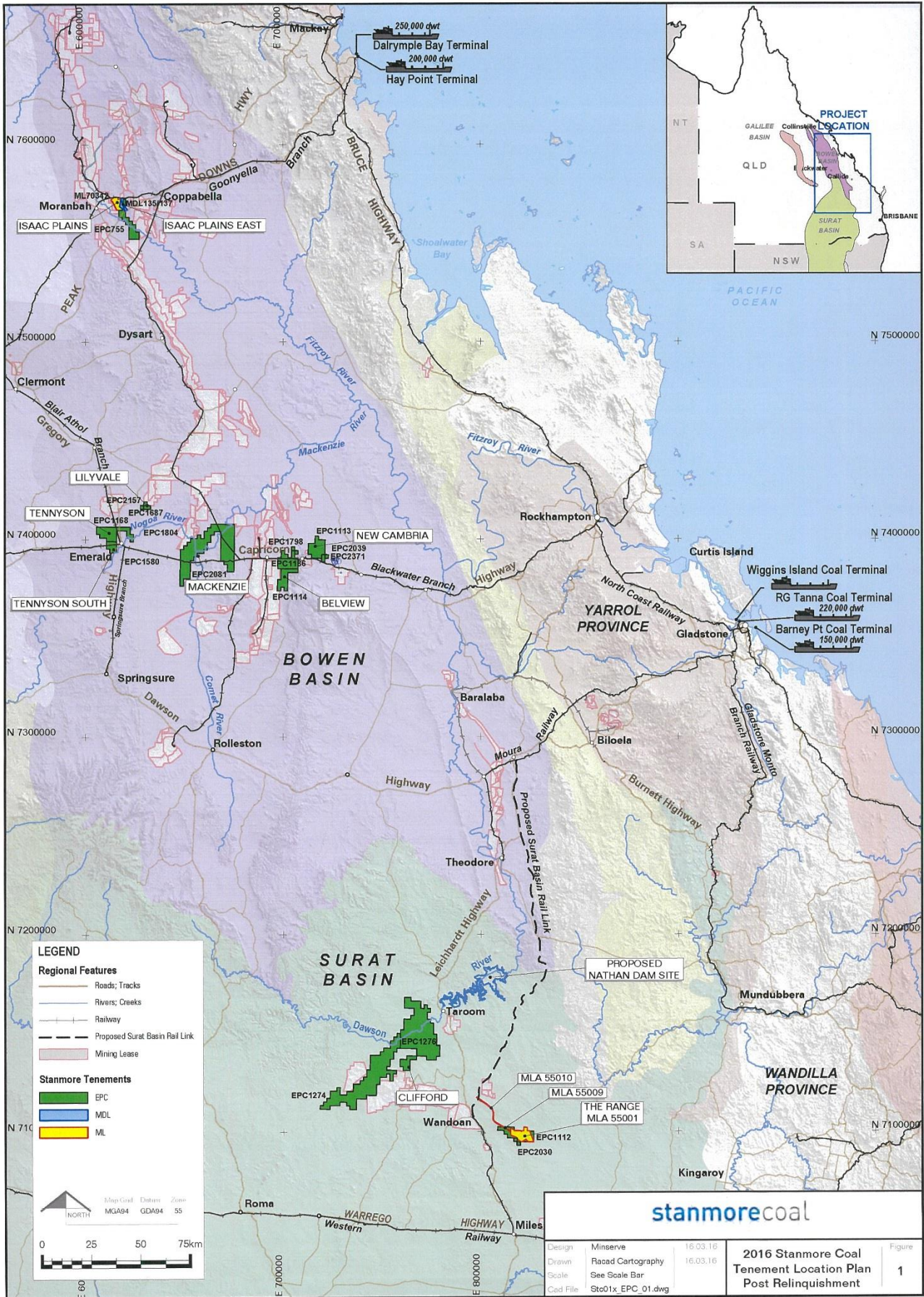
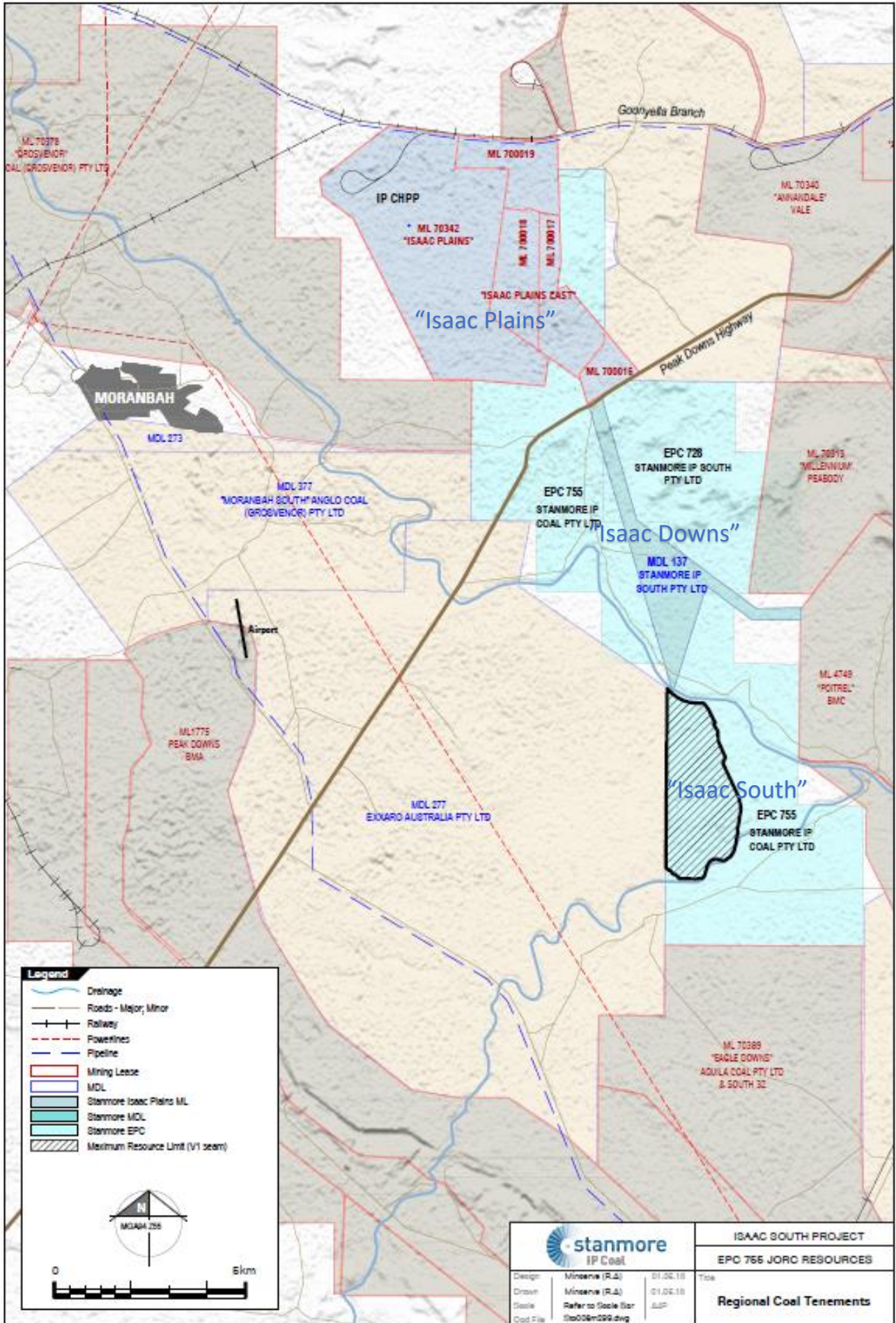


Figure 2: Isaac Plains Complex with the two Stanmore Coal projects located to the south - Isaac Downs and Isaac South



APPENDIX A

JORC CODE 2012 EDITION – TABLE 1 FOR ISAAC PLAINS COMPLEX COAL RESERVE AS AT JULY 1 2019

This Appendix details section 4 of the JORC Code 2012 Edition Table 1. Section 5 Estimation and Report of Diamonds and Other Gemstones has been excluded as they are not applicable to this deposit and estimation.

Section 4 Estimation and Reporting of Ore Reserves

(Criteria listed in Section 1, and where relevant in Sections 2 and 3, also apply to Section 4)

Criteria	JORC Code Explanation	Commentary																				
Mineral Resource estimate for conversion to Ore Reserves	<ul style="list-style-type: none"> Description of the Mineral Resource estimate used as a basis for the conversion to an Ore Reserve. Clear statement as to whether the Mineral Resources are reported additional to, or inclusive of, the Ore Reserves. 	<ul style="list-style-type: none"> The JORC Coal Resource for Isaac Plains Mine (IP) (May, 2018) and Isaac Plains East (IPE) (April, 2018) were estimated by Troy Turner, a full time employee of Xenith Consulting Pty Ltd. Mr Turner is a qualified geologist and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking, to qualify as Competent Person as defined in the 2012 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves.” The Coal Resource Estimate for the Isaac Plains Complex (IPC) is: <table border="1" data-bbox="820 1115 1482 1373"> <thead> <tr> <th>Resource Category</th> <th>IP</th> <th>IPE</th> <th>Total (IPC)</th> </tr> </thead> <tbody> <tr> <td>Measured (Mt)</td> <td>22.2</td> <td>12.9</td> <td>35.1</td> </tr> <tr> <td>Indicated (Mt)</td> <td>21.3</td> <td>8.8</td> <td>30.1</td> </tr> <tr> <td>Inferred (Mt)</td> <td>9</td> <td>8</td> <td>17</td> </tr> <tr> <td>Total (Mt)</td> <td>52.5</td> <td>29.7</td> <td>82.2</td> </tr> </tbody> </table> Mr Turner’s estimates have been used as the basis for the estimate of Coal Reserves for the Isaac Plains Complex. Coal Resource estimates are inclusive of Coal Reserve estimates. 	Resource Category	IP	IPE	Total (IPC)	Measured (Mt)	22.2	12.9	35.1	Indicated (Mt)	21.3	8.8	30.1	Inferred (Mt)	9	8	17	Total (Mt)	52.5	29.7	82.2
Resource Category	IP	IPE	Total (IPC)																			
Measured (Mt)	22.2	12.9	35.1																			
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Inferred (Mt)	9	8	17																			
Total (Mt)	52.5	29.7	82.2																			
Site visits	<ul style="list-style-type: none"> Comment on any site visits undertaken by the Competent Person and the outcome of those visits. If no site visits have been undertaken indicate why this is the case. 	<ul style="list-style-type: none"> The Competent Person, Mr Tony O’Connell, has visited the site on multiple occasions in the past 2 years. The site visits, reports and a review of mining, production and reconciliation data confirms the mining methods used at IPM and IPE are suitable for current and planned open-cut mining operation; and are being well managed by the IPC operations teams. 																				
Study status	<ul style="list-style-type: none"> The type and level of study undertaken to enable Mineral Resources 	<ul style="list-style-type: none"> Mine planning for IPC has been undertaken to a high level of detail to support current open-cut mining operations. Stanmore maintains an in-house mine 																				

Criteria	JORC Code Explanation	Commentary
	<p>to be converted to Ore Reserves. The Code requires that a study to at least Pre-Feasibility Study level has been undertaken to convert Mineral Resources to Ore Reserves. Such studies will have been carried out and will have determined a mine plan that is technically achievable and economically viable, and that material Modifying Factors have been considered.</p>	<p>planning function for mid to long term planning, and the current mining contractor (Golding) maintains a mine planning function to manage the open-cut mining operation.</p> <ul style="list-style-type: none"> The mining parameters and modifying factors are based on the experience of the current operations.
<p>Cut-off parameters</p>	<ul style="list-style-type: none"> The basis of the cut-off grade(s) or quality parameters applied. 	<ul style="list-style-type: none"> The pit designs for the IPC were developed to cover all coal production that is expected to be economical. At Isaac Plains Mine, a block margin ranking estimation was undertaken to determine the economic limits for each pit, whilst at Isaac Plains East, Minex Pit Optimiser (Lerchs-Grossmann) was utilised to determine the economic pit shell.
<p>Mining factors or assumptions</p>	<ul style="list-style-type: none"> The method and assumptions used as reported in the Pre-Feasibility or Feasibility Study to convert the Mineral Resource to an Ore Reserve (i.e. either by application of appropriate factors by optimisation or by preliminary or detailed design). The choice, nature and appropriateness of the selected mining method(s) and other mining parameters including associated design issues such as pre-strip, access, etc. The assumptions made regarding geotechnical parameters (eg pit slopes, stope sizes, etc), grade control and pre-production drilling. 	<ul style="list-style-type: none"> The mining methodology considered for this estimate is: <ul style="list-style-type: none"> a combination of cast, doze, dragline or truck & excavator to move waste into the adjacent strip or dump. The strip width selected is nominally 55m at IPM and 50m at IPE. Drilling and blasting (D&B) of the in situ waste. A maximum horizon of 50m of waste is allocated to the dragline. Remaining waste is removed by truck and excavator. Coal mining using excavators and rear dump trucks haul the coal to the Isaac Plains Coal Preparation Plant (IPM CHPP) for washing. Parting > 0.3m thick is stripped separately. Batter allowances that have been considered are: <ul style="list-style-type: none"> Highwall (hard): 65° Highwall (soft): 45° Spoil Lowwall & Angle of Repose: 37° <p>Loss & Dilution factors used are:</p> <ul style="list-style-type: none"> Roof Loss: 0.075m

Criteria	JORC Code Explanation	Commentary																
	<ul style="list-style-type: none"> The major assumptions made and Mineral Resource model used for pit and stope optimisation (if appropriate). The mining dilution factors used. The mining recovery factors used. Any minimum mining widths used. The manner in which Inferred Mineral Resources are utilised in mining studies and the sensitivity of the outcome to their inclusion. The infrastructure requirements of the selected mining methods. 	<ul style="list-style-type: none"> Floor Loss: 0.025m Edge Loss: 0.25m Global Loss (for faults): 3% Roof Dilution: 0.05m Floor Dilution: 0.05m Edge Dilution: 0.25m Dilution density: 2.42 t/bcm Dilution ash: 85% The existing infrastructure at IPC is suitable for the methodology described. 																
Metallurgical factors or assumptions	<ul style="list-style-type: none"> The metallurgical process proposed and the appropriateness of that process to the style of mineralisation. Whether the metallurgical process is well-tested technology or novel in nature. The nature, amount and representativeness of metallurgical test work undertaken, the nature of the metallurgical domaining applied and the corresponding metallurgical recovery factors applied. Any assumptions or allowances made for deleterious elements. The existence of any bulk sample or pilot scale test work and the degree to which such samples are 	<ul style="list-style-type: none"> The existing IPM CHPP is suitable to process the target seams. Two products are planned, a primary product semi-soft coking coal and a secondary product thermal coal. The CHPP yield predictions are based on modelled theoretical laboratory yield data with plant efficiency factors applied to predict plant performance. Forecast yields for the two coal types at IPM and IPE for the economic pit are: <table border="1" data-bbox="778 1496 1476 1749"> <thead> <tr> <th>CHPP Yields</th> <th>Semi-soft Coking Coal (wet %)</th> <th>Thermal Coal (wet %)</th> <th>Total (wet %)</th> </tr> </thead> <tbody> <tr> <td>Isaac Plains Mine</td> <td>48%</td> <td>22%</td> <td>70%</td> </tr> <tr> <td>Isaac Plains East</td> <td>76%</td> <td>1%</td> <td>77%</td> </tr> <tr> <td>Isaac Plains Complex</td> <td>74%</td> <td>3%</td> <td>77%</td> </tr> </tbody> </table>	CHPP Yields	Semi-soft Coking Coal (wet %)	Thermal Coal (wet %)	Total (wet %)	Isaac Plains Mine	48%	22%	70%	Isaac Plains East	76%	1%	77%	Isaac Plains Complex	74%	3%	77%
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Criteria	JORC Code Explanation	Commentary
	<p>considered representative of the orebody as a whole.</p> <ul style="list-style-type: none"> For minerals that are defined by a specification, has the ore reserve estimation been based on the appropriate mineralogy to meet the specifications? 	
Environmental	<ul style="list-style-type: none"> The status of studies of potential environmental impacts of the mining and processing operation. Details of waste rock characterisation and the consideration of potential sites, status of design options considered and, where applicable, the status of approvals for process residue storage and waste dumps should be reported. 	<ul style="list-style-type: none"> All Mining Leases within the IPC are subject to environmental authority (EA) EPML00932713. Stanmore's onsite activities are managed in accordance with the following: <ul style="list-style-type: none"> Environmental Management Strategy; Environmental management procedures for complaints, stakeholder interaction, water management, dams, air quality/dust, land (including permit to disturb, weed and pest control, and spills management), waste, blasting and safety; IPM Mine environmental management plan; and contractor's environment management plans. These strategies, procedures and plans will be amended as required. Environmental risk assessments of the following aspects have been undertaken, in conjunction with relevant specialists: <ul style="list-style-type: none"> Groundwater Flood modelling Water management Air quality Noise Terrestrial ecology Aquatic ecology. Stanmore assesses and monitors environmental and approvals risks on an ongoing basis.
Infrastructure	<ul style="list-style-type: none"> The existence of appropriate infrastructure: availability 	<ul style="list-style-type: none"> Existing Infrastructure supporting IPC operations includes:

Criteria	JORC Code Explanation	Commentary																														
	<p>of land for plant development, power, water, transportation (particularly for bulk commodities), labour, accommodation; or the ease with which the infrastructure can be provided or accessed.</p>	<ul style="list-style-type: none"> * Mine infrastructure Area; * Heavy vehicle haul roads connecting IPE to IPM CHPP; * Workshop including surrounding laydown areas; * Light vehicle maintenance igloo; * Boiler makers area; * Fuel storage and distribution; * Administration Office (including parking areas); * Warehouse; * Emergency Response Facilities Equipment; * Fuel and Lubrication Facilities; * Electrical and communications; and * Water Infrastructure (Raw, Potable & Process) <ul style="list-style-type: none"> • The original design criteria for the Isaac Plains mine was 3.5 Mtpa ROM and the existing infrastructure capacity is currently surplus to requirements. 																														
<p>Costs</p>	<ul style="list-style-type: none"> • The derivation of, or assumptions made, regarding projected capital costs in the study. • The methodology used to estimate operating costs. • Allowances made for the content of deleterious elements. • The derivation of assumptions made of metal or commodity price(s), for the principal minerals and co-products. • The source of exchange rates used in the study. • Derivation of transportation charges. • The basis for forecasting or source of treatment and refining charges, penalties for failure to meet specification, etc. 	<ul style="list-style-type: none"> • The utilised costs have been sourced from current contractor rates or built up from first principles where required. • All unit cost rates are in Australian Dollars. • The unit costs used are summarised in the following table: <table border="1" data-bbox="821 1294 1465 1729"> <thead> <tr> <th>Cost Item</th> <th>Units</th> <th>Unit Cost</th> </tr> </thead> <tbody> <tr> <td>Drill & Blast</td> <td>\$/bcm</td> <td>\$1.12</td> </tr> <tr> <td>Waste Mining</td> <td>\$/bcm</td> <td>\$1.45</td> </tr> <tr> <td>Coal Mining</td> <td>\$/ROM t</td> <td>\$4.75</td> </tr> <tr> <td>Processing</td> <td>\$/ROM t</td> <td>\$8.20</td> </tr> <tr> <td>Rail</td> <td>\$/Product t</td> <td>\$7.30</td> </tr> <tr> <td>Port</td> <td>\$/Product t</td> <td>\$5.50</td> </tr> <tr> <td>Site Costs</td> <td>\$/Product t</td> <td>\$8.00</td> </tr> <tr> <td>Admin</td> <td>\$/Product t</td> <td>\$2.20</td> </tr> <tr> <td>Rehabilitation</td> <td>\$/ha</td> <td>\$23,024</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Royalty charges were applied as follows: <ul style="list-style-type: none"> * 7.0% up to and including \$100 per tonne * 12.5% over \$100 up to including \$150 per tonne * 15.0% above \$150 per tonne • A private royalty for Isaac Plains East is also included. 	Cost Item	Units	Unit Cost	Drill & Blast	\$/bcm	\$1.12	Waste Mining	\$/bcm	\$1.45	Coal Mining	\$/ROM t	\$4.75	Processing	\$/ROM t	\$8.20	Rail	\$/Product t	\$7.30	Port	\$/Product t	\$5.50	Site Costs	\$/Product t	\$8.00	Admin	\$/Product t	\$2.20	Rehabilitation	\$/ha	\$23,024
Cost Item	Units	Unit Cost																														
Drill & Blast	\$/bcm	\$1.12																														
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Rehabilitation	\$/ha	\$23,024																														

Criteria	JORC Code Explanation	Commentary																								
	<ul style="list-style-type: none"> The allowances made for royalties payable, both Government and private. 																									
Revenue factors	<ul style="list-style-type: none"> The derivation of, or assumptions made regarding revenue factors including head grade, metal or commodity price(s) exchange rates, transportation and treatment charges, penalties, net smelter returns, etc. The derivation of assumptions made of metal or commodity price(s), for the principal metals, minerals and co-products. 	<ul style="list-style-type: none"> Forecast coal prices for Coking Coal are based on annual hard coking coal sale price forecasts and USD:AUD exchange rates from Consensus Economics. A realisation factor of 67% has been applied to the forecast hard coking coal sale prices for Isaac Plains Coking Coal. The table below shows the forecast pricing and exchange rates applied. <table border="1" data-bbox="517 958 1390 1173"> <thead> <tr> <th>Year</th> <th>USD HCC Price</th> <th>USD:AUD</th> <th>Realised SS Price (AU\$)</th> </tr> </thead> <tbody> <tr> <td>2019</td> <td>\$201.50</td> <td>0.693</td> <td>\$194.82</td> </tr> <tr> <td>2020</td> <td>\$178.78</td> <td>0.704</td> <td>\$170.14</td> </tr> <tr> <td>2021</td> <td>\$163.50</td> <td>0.727</td> <td>\$150.68</td> </tr> <tr> <td>2022</td> <td>\$154.39</td> <td>0.75</td> <td>\$137.92</td> </tr> <tr> <td>2023</td> <td>\$149.23</td> <td>0.75</td> <td>\$133.31</td> </tr> </tbody> </table>	Year	USD HCC Price	USD:AUD	Realised SS Price (AU\$)	2019	\$201.50	0.693	\$194.82	2020	\$178.78	0.704	\$170.14	2021	\$163.50	0.727	\$150.68	2022	\$154.39	0.75	\$137.92	2023	\$149.23	0.75	\$133.31
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Market assessment	<ul style="list-style-type: none"> The demand, supply and stock situation for the particular commodity, consumption trends and factors likely to affect supply and demand into the future. A customer and competitor analysis along with the identification of likely market windows for the product. Price and volume forecasts and the basis for these forecasts. For industrial minerals the customer specification, testing and acceptance requirements prior to a supply contract. 	<ul style="list-style-type: none"> Two product coal types are produced by IPC, these coal products have been successfully marketed by Stanmore and sold into export markets for the past 9 years (approximately). It would be reasonable to expect that the IPC will have no difficulty in successfully marketing future coal tonnes produced (Coking Coal and Thermal). 																								

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Economic	<ul style="list-style-type: none"> The inputs to the economic analysis to produce the net present value (NPV) in the study, the source and confidence of these economic inputs including estimated inflation, discount rate, etc. NPV ranges and sensitivity to variations in the significant assumptions and inputs. 	<ul style="list-style-type: none"> The IP deposit was assessed on a block-by-block basis with the total margin for each block calculated based on the unit costs and revenues detailed above. The IPE deposit was assessed using Minex Pit Optimiser software which applies the Lerchs-Grossmann algorithm to the unit costs and revenues to determine a maximum economic pit shell.
Social	<ul style="list-style-type: none"> The status of agreements with key stakeholders and matters leading to social licence to operate. 	<ul style="list-style-type: none"> The mining tenure for Isaac Plains is Mining Lease (ML) 70342. Isaac Plains East is covered by Mining Leases 700016, 700017, 700018, and 700019 which are all held by Stanmore IP Coal Pty Ltd. All Mining Leases for IPC are current and are subject to environmental authority (EA) EPML00932713. Stanmore will continue to manage the IPC mining operations, which they have successfully done so to date, whilst developing and maintaining good relationships with key stakeholders and maintaining their social licence to operate.
Other	<ul style="list-style-type: none"> To the extent relevant, the impact of the following on the project and/or on the estimation and classification of the Ore Reserves: Any identified material naturally occurring risks. The status of material legal agreements and marketing arrangements. The status of governmental agreements and approvals critical to the viability of the project, such as mineral tenement status, and government and statutory approvals. There must be reasonable grounds to expect that all necessary Government 	<ul style="list-style-type: none"> There are no known issues that impact might impact on the Coal Reserve Estimate and classifications of the Coal Reserves. Stanmore commenced mining operations at IPE in mid-2018.

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<p>Discussion of relative accuracy/ confidence</p>	<ul style="list-style-type: none"> • Where appropriate a statement of the relative accuracy and confidence level in the Ore Reserve estimate using an approach or procedure deemed appropriate by the Competent Person. For example, the application of statistical or geostatistical procedures to quantify the relative accuracy of the reserve within stated confidence limits, or, if such an approach is not deemed appropriate, a qualitative discussion of the factors which could affect the relative accuracy and confidence of the estimate. • The statement should specify whether it relates to global or local estimates, and, if local, state the relevant tonnages, which should be relevant to technical and economic evaluation. Documentation should include assumptions made and the procedures used. • Accuracy and confidence discussions should extend to specific discussions of any applied Modifying Factors that may have a material impact on Ore Reserve viability, or for which there are remaining areas of uncertainty at the current study stage. • It is recognised that this may not be possible or appropriate in all circumstances. These statements of relative 	<ul style="list-style-type: none"> • No statistical or geostatistical procedures have been used in the estimation of Coal Reserves themselves. • The most significant areas of uncertainty in the Isaac Plains Complex open-cut reserve estimate relates to the coal pricing and foreign exchange rate. However, these present forecasts are based on highly regarded industry experts in this field. • Small differences may be present in the totals due to the tonnage information being rounded so as to reflect the usual uncertainty associated with the estimate. • The in-seam yields for IPM and IPE have been adjusted by factors calculated via a robust reconciliation process.

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	accuracy and confidence of the estimate should be compared with production data, where available.	