

From Greenfield to Mine What it Takes



QEC Tech Summit – August 17, 2022
Brisbane

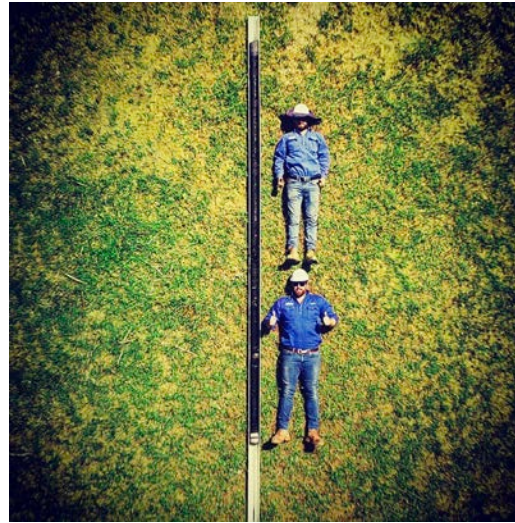


Ryan Welker

Chairman and Co-Founder

Ryan co-founded Vitrinite along with Nick Williams to become a tightly held, private, premium hard coking coal producer in Queensland's Bowen Basin.

He specialises in developing commercial development strategies, resource acquisitions/divestures, joint ventures and project debt finance for projects and companies throughout the world. He previously worked for EAS Advisors, Standard Bank, Mineral Resources Limited, Rio Tinto as well as a broad range of mining finance groups, mining companies and other mining industry service companies as a consultant and director.



ABOUT

Vitrinite Pty Ltd, is a privately owned company holding an extensive strategic coking coal tenement portfolio within Queensland's world-class Bowen Basin. Our assets are situated in close proximity to operating mines, infrastructure and proven economic resources. We are undertaking extensive exploration efforts within our holdings, identifying new deposits of premium coals in the basin.

Vitrinite is a young, progressive company. We insist on excellence in every aspect of our work and take immense pride in the coal industry and the Australian resources sector. We are stewards of the lands and mineral deposits we are developing, aiming to achieve out sized returns for our shareholders and stakeholders. We embody and encourage an open and collaborative attitude, inward and outward, in our company values. Vitrinite's vision is to create value and wealth through the provision of energy to power world economic growth, exceeding and setting world's best practices in every endeavor.

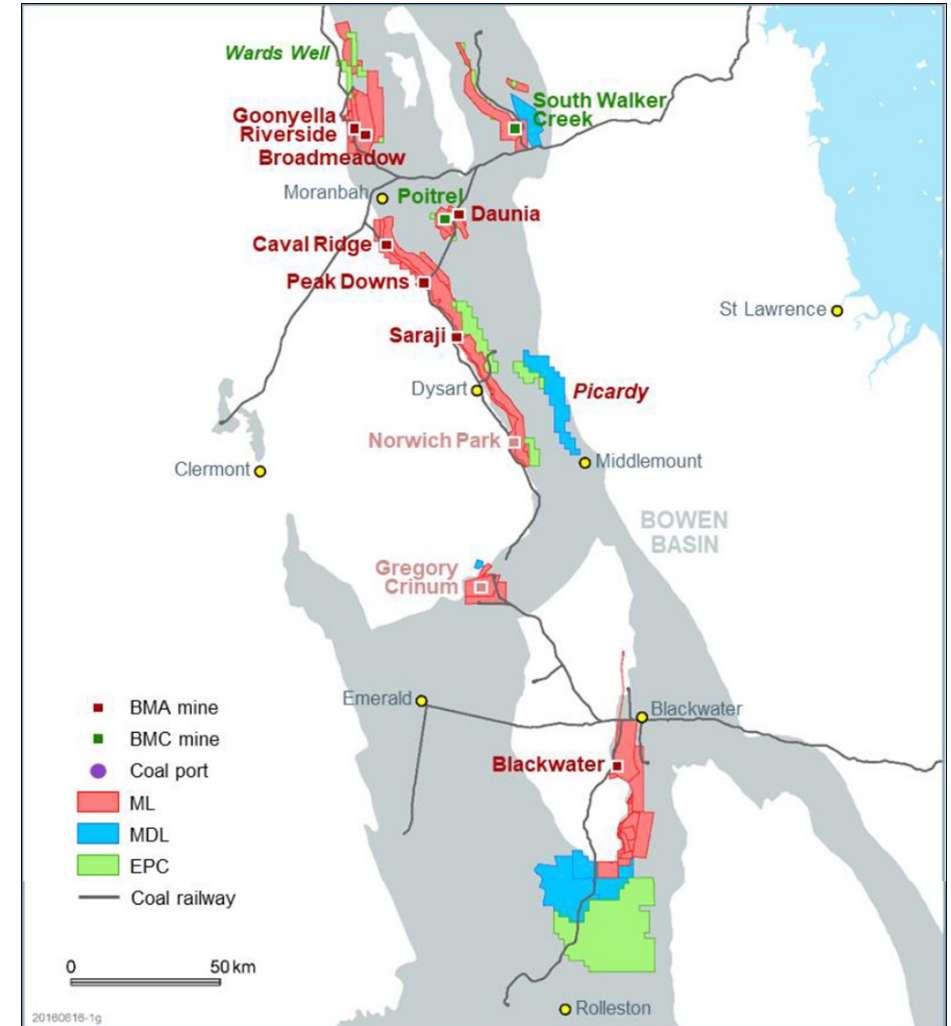
CHANGING INDUSTRY

MOVING FROM MAJOR MINING HOUSES TO SMALLER PRIVATE MINE OWNERS

Development Environment



- The current coal industry in QLD is filled with opportunities for private, well funded and dynamic companies that believe in the industry and can think differently.
- **ESG pressures** have led to major coal players starting to implement **exit strategies from the industry**, the first signs of which are the sell down of non-operating and often well explored development assets.
- In addition, **with funding of Greenfield projects basically impossible** through conventional means and the days of major acquisitions of Greenfield projects well behind us, smaller explorers and project developers are seeking to offload these assets.
- We are highly active in this space and our Brisbane-based team is routinely assessing assets as they become available.
- We are actively looking growth options to expand our coal portfolio. Projects which offer strategic synergies with our current assets or are prospective as stand-alone projects, we have and will continue to make plays for.





Company Mindset and Industry Vision

- Capture the opportunities that arise from large operators leaving the industry by being nimble;
- Remain private and committed to the industry;
- Look to work within the industry to collaborate on sharing infrastructure or collaborating commercially;
- Exhaust all opportunities to absorb capacity in the existing infrastructure supporting the industry to ensure maximum efficiency of capital invested;
- Be margin and quality focused, not revenue and volume;
- Small is good – nimble, flexible and fast;
- Reduce risks and future exposure – operate with the view of where you will be when planning to close the mine.



Met Coal Prices – Buckle Up

This was due to:

- Supply constraints entered the market with the ongoing Chinese Import ban on Australian Met and Thermal Coal
- Large Australian suppliers, significantly reduced production due to incidents at their mines
- Appetite for exploration and development risk is almost non-existent which has constrained new supply
- Other countries such as Mongolia impacted heavily by COVID
- Canadian imports were impacted heavily by wildfires
- Russia had several port and railway issues (mostly due to cold weather).
- Economic growth rebounding quicker than expected after COVID
- Lead to even higher prices in the first quarter of 2022

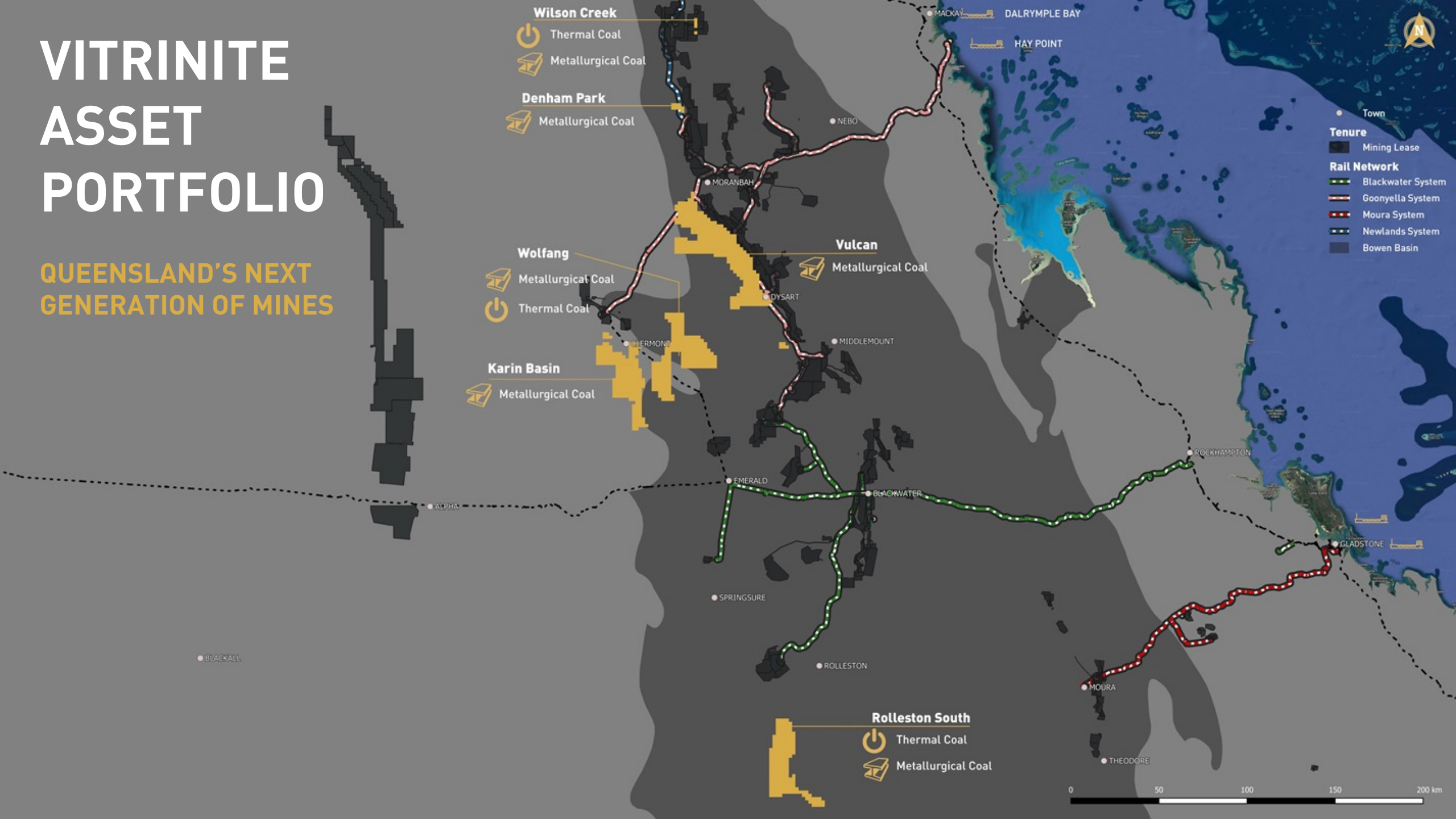
HISTORIC VOLATILITY OF MET COAL PRICES REMAINED IN Q1-22



Source: S&P Global Commodity Insights

VITRINITE ASSET PORTFOLIO

QUEENSLAND'S NEXT
GENERATION OF MINES



VULCAN MINE COMPLEX



Location
Dysart on south;
Moranbah 15 km from north.



Nearest port
~200 km Dalrymple Bay Coal
Terminal.



Rail line
Blair Athol Mine Branch and Peak
Downs; Branch on Tenement.



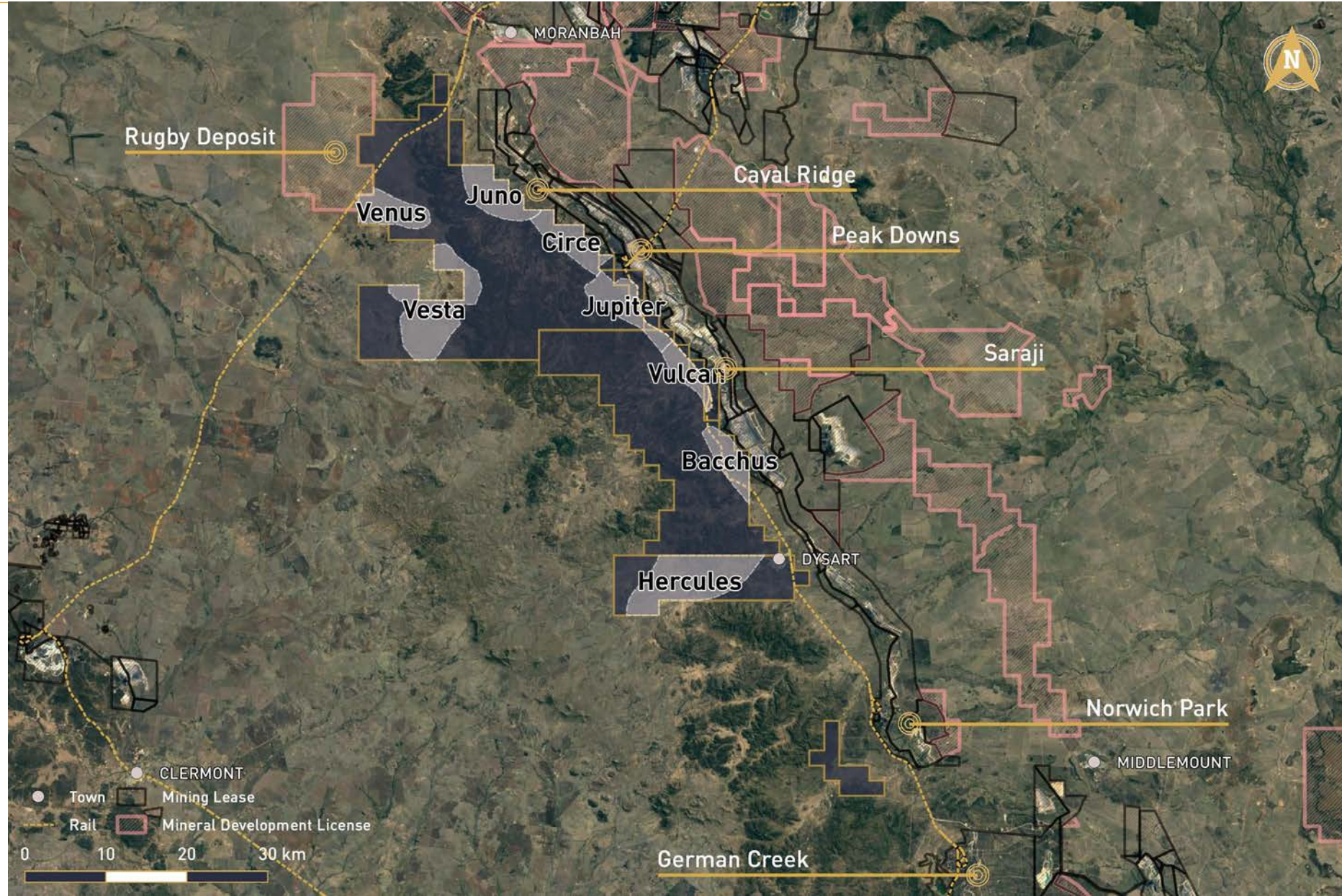
Mines in region
Mining leases bordering eastern
boundary, including Peak Downs,
Saraji, Norwich Park and Caval
Ridge.



Coal type
Premium Hard Coking Coal.



Method
Open Cut;
Underground (long wall
and high wall).



Key Highlights

- Development of the exploration assets commenced September 2018
- First blast and bulk sample extraction of coal commenced 1 June 2021
- Coal processing underway on site in June 2021.
- Commercial production, haulage and coal sales commenced September 2021 – one week before the third anniversary of acquisition

The Vitrinite Approach in Practice

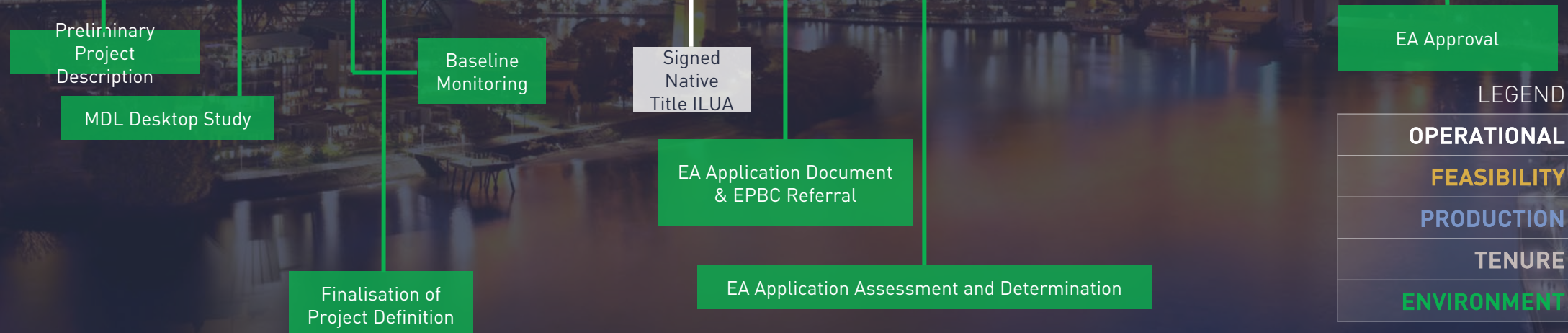
- Flexibility and adaptability
- Identify and mitigate risks
- Assume nothing, question everything
- Invest in people
- Make quick decisions
- Go the extra mile to deliver outcomes
- Tenacity



FEASIBILITY/ APPROVALS



ENVIRONMENT / LAND ACCESS



LEGEND

OPERATIONAL
FEASIBILITY
PRODUCTION
TENURE
ENVIRONMENT

VULCAN TIMELINE

Site Management and Contractors

Vitrinite

- Vitrinite (via its associated entity, Vulcan Mine Management (VMM)) employees fill the vast majority of roles onsite and supporting the mining operations.
- Mine management, engineering, safety, environment, maintenance, ROM and haulage operations are all managed directly by VMM staff.
- Statutory positions required to operate the mine are all held by direct employees
- Coal handling and preparation activities are managed directly by Vitrinite staff, using equipment purchased, operated and maintained by the company.
- The company also employs a construction team responsible for the renewal and construction of the mine infrastructure required to support the mines development.

Turners Engineering

- Turners are the main mining contractor for the site, providing the mining equipment, operators and maintenance for that fleet.
- Turners have been involved in the project since first breaking ground and form an integral part of the operations success.

Other Key Contractors

- Black Rock - Provide specialist drill and blast activities.
- METServe - Environmental management and advice.
- Van Damme Plant Hire - Coal Haulage



Saraji Road Realignment

Saraji Road Realignment

Project being undertaken by sister company, Vector Civil and Construction.

Project underway January 2022.

Equipment, personnel and material resources being provided by mining operations to assist civil project team.

New road is now open with mining having already moved into the former Saraji Road corridor.



Mine Infrastructure Area



Emergency Response Shed
Internal fit out and install of ropes rescue training tower to be completed.

Critical Spares & Maintenance Bay

Site Access Point
Access hut and turnstiles to be installed

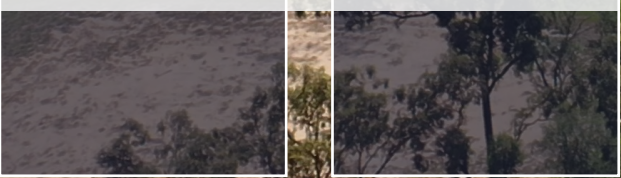
Washdown Bay
Facility for washdown of light and medium vehicles.

Site Laboratory
Fully equipped for all CQ testing.



Boom Gates
Site access boom gates

Café and Creche
Café and Creche facilities - seeking approvals for construction.
Café to provide meals for all staff, Turners and select other contractors.
Creche to support inclusiveness at work.



On-Site Accommodation
Accommodation for Emergency Response team members. Also support for short term visitors.

SSE/Operational Area Delineation
Security fencing to be installed and provide separation between offices and mine site active areas.

Emphasis on Culture and Community



Key Highlights

- Safety culture
- Dual branded of uniforms and equipment
- 1st class facilities
- Support for the family needs
- Community outreach to sponsor sporting and cultural events that are meaningful to all stakeholders
- Avoid camps – houses in town
- Focus on mental health – work life balance, fun and humour at work
- ERT facilities and training
- Family dynamic including a new site childcare center and café style dining facility



Annual Family Fun Day

- Our workforce sacrifice a lot of time away from their families
- We opened the mine site up for employees' families for a day of celebration
- Opportunity for families of our workforce to visit the mine site and for us to show off our hard work
- We had a petting zoo, face painting, jumping castle, mine tours, equipment experiences, ice cream van
- The day was a tremendous success and something we will introduce annually



What Have We Learned

Working at Vitrinite:

- Have an 'Everyone Wins' attitude
- Hope for the best, prepare for the worst
- Enable everyone to be creative, critical and entrepreneurial
- Put suppliers, community and employees first

Keys to Success:

- Identify and address risks quickly
- Know the detail - drive efficiency and strive for constant improvement
- Engage passionately with curiosity, humility and seek understanding
- Remove the assumptions and challenge the ground rules of engagement
- Commitment to coal remains unwavering





POST MINING

MINE REHABILITATION AND REMEDIATION
TO PRE-MINING LAND USES

CHANGING INDUSTRY



Opportunities to coexist with grazing and agribusiness

New progressive rehabilitation

Opportunities:

- reprocessing and rehabilitating tailings dams;
- access to stored water;
- resource areas that have been overlooked and associated assets;

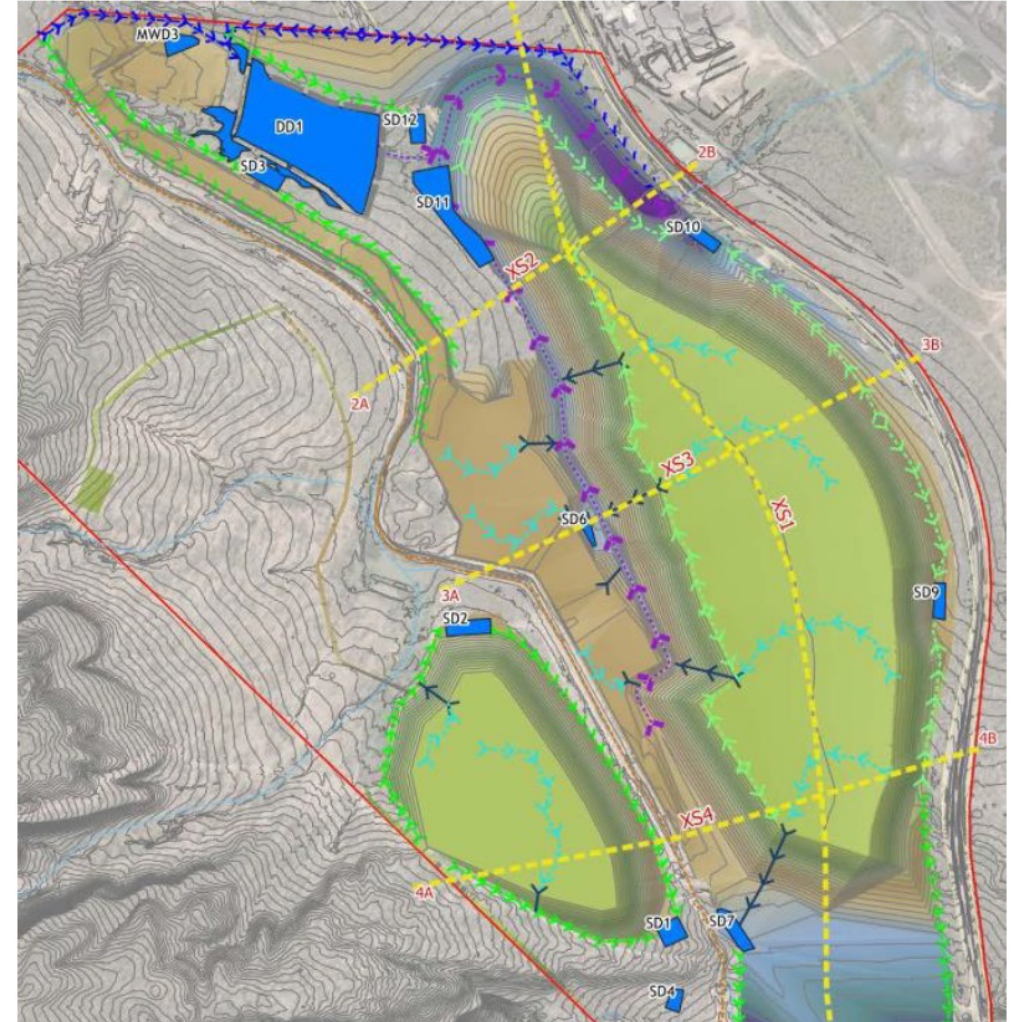
Need credibility with both major companies and state regulators



NEW LEGISLATION



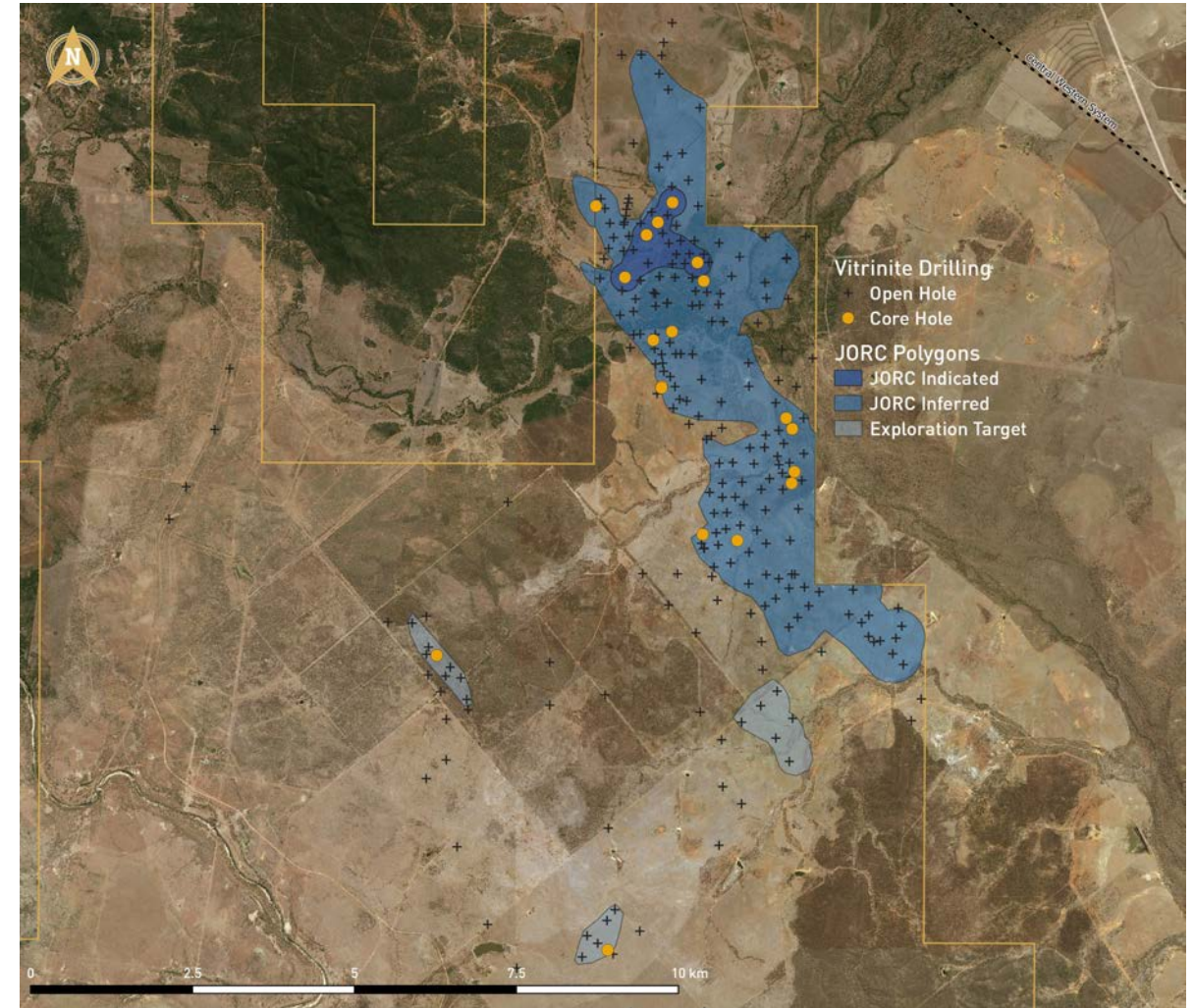
- The Progressive Rehabilitation and Closure Plan Legislation, which passed in 2019, has placed more regulated and stringent approval and compliance obligations on new and existing coal mines to plan for and undertake progressive rehabilitation during mining and the eventual mine closure;
- **Vitrinite have gained approval for the first PRCP in QLD since the legislation was passed at our operating Vulcan Mine;**
- Our key environmental consultants, Metserve, were instrumental in helping us navigate this approval process, have sat on guidance committees that developed the legislation and together we are at the forefront of the development, approval and implementation of the PRCP process;
- The introduction of this legislation has also placed obligations on existing mines, with historical approvals, to implement PRCPs and commit to timelines around rehabilitation and closure;
- **This has expedited the process for major operators to look to exit ageing and lower valued assets; and**
- The timing of this legislation and our position as industry leaders in the development and implementation of these plans, further strengthens our position to gain support for the acquisition of closing mines but also our ability to assess the rehabilitation liabilities and ensure that the associated bonds are not only sufficient to complete the necessary rehabilitation, but also offer opportunities to profit from the rehabilitation activities.



POST-MINING



- Key to approved PRCPs are the link to post-mining land use and commitments that must be made by coal mine operators to return the land post mining to at least a pre-mining condition, which in mining regions is typically to support cattle grazing;
- The PRCP legislation will prevent mines leaving extensive amounts of rehabilitation and delaying these activities for extended periods of time or leaving legacy impact areas;
- In addition to rehabilitation and remediation, Vitrinite are committed to ensuring that grazing operations can thrive outside of resource areas or mine impacted areas and that both businesses can benefit from each other;
- Other opportunities exist, such as, repurposing water and power supply, storage and reticulation and the use of mine rehabilitation equipment for far land improvements.
- Whether it be rehabilitating Vitrinite’s operating mines, newly acquired rehabilitation sites or a combination of both, Vitrinite are committed to being industry leaders in the space, ensuring that grazing and mining can co-exist during operations, that grazing land is returned efficiently and that post-mining, the land can support high volume grazing operations.





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 **VITRINITE**
BRIGHTER COAL

THANK YOU