

## Minutes of the 10<sup>th</sup> Meeting of the Vickery Project Community Consultative committee

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**Meeting held:** 30<sup>th</sup> June 2020 – 9:30am – 11am

**Venue:** Zoom

**Present:** Roberta Ryan (RR) - Independent Chair  
 Stella Cimarosti (SC) - Minute taker  
 Cr Robert Hooke (RH) - Gunnedah Shire Council  
 Andrew Johns (AJ) - Gunnedah Shire Council  
 Cr Cathy Redding (CR) - Narrabri Shire Council  
 Stewart Todd (ST) - Narrabri Shire Council  
 Cr Cameron Staines (CS) - Narrabri Shire Council  
 Andrew Garratt (AG) - Whitehaven Coal – GM Community Engagement  
 Mark Stevens (MS) - Whitehaven Coal – Executive General Manager  
 Rod Fox (RF) - Whitehaven Coal – Project Director - Vickery  
 Alex Carynny (AC) - Whitehaven Coal – Environmental Officer  
 Mitchell Purvis (MP) - Whitehaven Coal – Study Manager - Vickery  
 Tony Dwyer (TD) - Whitehaven Coal – Group Manager Approvals and

Environment

Huw Morgan (HM) - Whitehaven Coal – Group Manager Water and Property  
 James Steele (JS) – Resource Strategies – EIS documentation  
 Grant McIlveen (GM) - Community Representative  
 Keith Blanch (KB) – Community Representative

**Apologies:** Cr Lloyd Finlay (LF) Narrabri Shire Council  
 Colleen Fuller (CF) Gunnedah Shire Council  
 Ron Fuller (RF) Community Representative

Item	Description	Action/ Responsibility
<b>1</b>	<b>Welcome to our virtual meeting</b>	
1.1	RR introduced and welcomed attendees.	
<b>2</b>	<b>Introduction – new Whitehaven team</b>	
2.1	<p>MS advised CCC of Whitehaven representatives present:</p> <ul style="list-style-type: none"> <li>• Mark Stevens – Executive General Manager of project delivery for Whitehaven. Mark has replaced Brian who retired at the end of May. Responsible for overseeing all Whitehaven projects.</li> <li>• Rod Fox – Project Director for Vickery. Rod looks after the day to day for the Vickery project.</li> <li>• Andrew Garratt – General Manager of Community Engagement. Based in Gunnedah and manages all community engagement.</li> <li>• Alex Carynny – Environmental Officer. Alex manages the environmental wellbeing of the project.</li> <li>• Mitchell Purvis – Study Manager for Vickery. Responsible for putting all studies together.</li> <li>• Tony Dwyer – Group Manager of Approvals and Environment. Tony is based in Gunnedah.</li> <li>• Huw Morgan – Group Manager for Water and Property. Based in Brisbane at the moment. Moving to Sydney soon. Will be spending a lot of time at Gunnedah meeting landowners to talk about land agreements. Hugh also looks after the water strategy for the project.</li> </ul>	

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	<ul style="list-style-type: none"> <li>James Steele – Consultant working on the EIS documentation. James has worked on the project for the last two years and is well up to speed on the EIS documentation.</li> </ul> <p>MS noted that RF, AG and AC will be the core team involved with the CCC. Other Whitehaven staff members may attend as guests when necessary to talk to relevant items.</p> <p>RR noted that she and AG as the manager of community engagement will work most closely with the CCC regarding these meetings.</p>	
<b>3</b>	<b>Agenda and apologies</b>	
3.1	Apologies were noted and have been recorded in attendees list.	
<b>4</b>	<b>Declarations of interest</b>	
4.1	<p>RR questioned if anyone has any new declarations of interest to make. These can be made at the time of the meeting or sent to RR later via email.</p> <p>RH noted that he is the chair of a committee for an upcoming Innovation and Mining Expo to be held in Gunnedah next year. Whitehaven are a major sponsor of the expo.</p> <p>RR noted this declaration.</p>	
<b>5</b>	<b>Actions and matters arising from our previous meeting</b>	
5.1	Action 4.2 from previous minutes. AC advised the report is currently under review and will be shared when it is finalised.	AC to share report
5.2	Acceptance of minutes from the October 2019 meeting was moved by RH and seconded by KB. The minutes were accepted.	
<b>6</b>	<b>Canyon and Vickery Environmental Report</b> Presentation made by AC attached to minutes. Presentation went through the environmental monitoring that has been carried out since the last CCC for the Canyon and Vickery Coal mines.	
6.1	<p>Questions arising from presentation</p> <p>RR questioned what the winged peppergrass is.</p> <p>TD advised that this is a cryptic endangered plant species.</p> <p>RR noted that the monitoring revealed that the species has not been identified on the site at this stage. TD confirmed it has not been identified since first identified as part of the EIS surveys.</p>	
<b>7</b>	<b>While of Government Report/IPC process and approval conditions</b> Presentation made by MS and RF attached to minutes	
7.1	<p>Project status presented by MS. Key points:</p> <ul style="list-style-type: none"> <li>Public hearings to be held this week (Thursday and Friday). Once hearings have been completed the IPC will decide the project approval/refusal.</li> <li>If the IPC approve the project it will be passed onto the Federal Government who will do their own assessment of the project. This process usually takes a few months.</li> <li>While the Federal Government assessment is being completed Whitehaven will start developing secondary management plans for the project in areas such as air, traffic management, noise etc. These secondary management plans need to be approved by DPIE.</li> <li>Once this has been completed Whitehaven will apply for an Environmental Protection License (EPL) and a mining lease before construction starts.</li> </ul> <p>Questions from presentation: RR asked for rough timing around this process.</p>	

## Minutes of the 10<sup>th</sup> Meeting of the Vickery Project Community Consultative committee

	<p>MS noted that the Federal Government approval would ideally be given before the end of 2020. The management plans will probably take around 6-8 months to be prepared before they can be submitted to DPIE. DPIE can take a while to review and approve these plans depending on how busy they are. So we could be looking at 9-12 months for the secondary plans to be prepared and approved. RR questioned if this meant that ideally construction should be underway by 2021. MS agreed that would be the ideal timeframe without any delays.</p> <p>ST questioned if the final investment decision (FID) fit into the timeline? MS advised this would run concurrently with the rest of the approvals. Once all the state and federal approvals have been provided Whitehaven can submit the necessary financial paperwork to the board. ST questioned what the indicative timeframe was. MS noted the aim is to get FID by the end of 2021. Construction would start after FID.</p>	
7.2	<p>Whole of government report presented by MS and RF. Key points:</p> <p>MS noted that the whole of government report was released in May and is available online. The department believed the projects benefits outweighed its impacts. RR questioned if the link could be provided. AG advised he would provide this. RR clarified that the department has recommended approval to the IPC however, the IPC are the decision makers. So the project is yet to be approved. MS agreed this was correct.</p> <p>RF talked about conditions placed on the Vickery extension project and went through three key areas which are summarised in the presentation.</p> <p>Key points: Noise –</p> <ul style="list-style-type: none"> <li>- Whitehaven are required to operate under these conditions and will need to reach out to landowners to do some assessments.</li> <li>- To explain the numbers on the slides: 35 (dBA)a – can be compared to a quiet room 40 (dBA – can be compared to a fridge 60 (dBA – can be compared to a normal conversation.</li> </ul> <p>Blasting –</p> <ul style="list-style-type: none"> <li>- Blasting can occur only between 9am and 5pm Monday to Friday.</li> <li>- Whitehaven are required to notify neighbours prior to carrying out blasting.</li> </ul> <p>MS noted that the presentation highlights just three areas of interest but there are a number of other conditions that the project has to operate under. We will send a copy of the conditions.</p> <p>Questions from presentation: RH asked if the conditions around the blasting covers both sound and also vibrations through the ground. RF advised the conditions cover both of these areas.</p>	<p>AG to provide link to report and copy of conditions. Done 1/7/20 by email</p> <p>RF to share noise conditions for train operation. Done 1/7/20 by email.</p> <p>RR/AG to follow up regarding mobile dust monitoring.</p>

## Minutes of the 10<sup>th</sup> Meeting of the Vickery Project Community Consultative committee

	<p>CS noted that a few meetings ago the potential to purchase mobile noise monitoring equipment was raised. The idea was to have an independent body assess noise complaints at the source of the complaint.</p> <p>RR noted that she recalled this discussion. It was around independent dust monitoring through the EPA or a relevant organisation broader than Whitehaven.</p> <p>CS agreed that was the discussion.</p> <p>RR noted that this would be taken on notice and discussed with Whitehaven to see where Brian landed with his investigation of this request.</p> <p>TD noted that there is a fixed network of monitors that will be run by the EPA. They aren't mobile monitors, but they are fixed in specific positions and monitor conditions 24/7. They aren't reactive like this suggestion.</p>	
<b>8</b>	<b>General business</b>	
8.1	<p>GM asked for an update from Whitehaven on the trial of the autonomous trucks at Maules Creek and questioned if they would be brought into the Vickery mine.</p> <p>MS noted that the trucks are up and running at Maules Creek however there is still a lot of work to be done here and there are no current plans for Vickery.</p>	
8.2	<p>RH asked about a workforce plan. If the project goes ahead there will be a large number of employees coming into the area. Where will the workforce come from? This will likely create some pressure in terms of accommodation in the area. Its important Whitehaven work with Council on this.</p> <p>MS advised that they are anticipating a construction workforce of about 500 people. Whitehaven will look to employ local contractors however there may be some staff brought into the Boggabri camp. We will work with council around this once approvals are granted. We will work with them on a workforce plan.</p> <p>RH noted this was great to hear.</p> <p>AJ noted that Gunnedah Shire Council has a Community Workforce Plan that he would encourage Whitehaven to comment on.</p> <p>CS questioned if there is a commitment or a policy around local employment.</p> <p>MS advised there isn't a written polity in place however, employing locally is one of Whitehaven's priorities.</p> <p>RH added that it would also be good for Whitehaven to consider local training and apprentices. The area has a TAFE that needs support.</p> <p>AG noted that he has been in touch with local education providers to work with them around local training.</p> <p>GM asked if AG was aware of the training that previously happened with local schools in the area.</p> <p>AG advised he was aware of the previous program with Gunnedah TAFE. There were about 120 students put through this program and it was very successful. Whitehaven are looking at a similar model for this project.</p> <p>GM noted that it would be great to see something like this happen again.</p> <p>TD advised that the draft conditions for the project include the requirement for a social impact management plan which is to be developed with council and this CCC. The purpose of the condition is to develop positive social impacts.</p>	
<b>10</b>	<b>Future CCC's/membership/frequency</b>	
10.1	<p>AG noted that he wanted some clarity around the membership and who is the key contact from each area.</p>	

**Minutes of the 10<sup>th</sup> Meeting of the  
Vickery Project Community Consultative committee**

	<p>Narrabri Shire Council – Cameron Staines (key contact) Lloyd Findlay (alternative contact). ST noted that council review committee membership annually in late September/early October. Council will advise if there are any changes.</p> <p>Gunnedah Shire Council – Rob Hooke (key contact) Colleen Fuller (alternative contact). Ron Fuller is the community representative. RH noted that council review their committee membership every second year. The review is coming up and we will advise any changes.</p>	
10.2	<p>RR noted that this committee has been established by Whitehaven in advance of their requirements. The requirement to hold CCC meetings kicks in post approval. It is common for these committees to be set up prior for views to be included in the conditions. Once/if approval occurs, we will review the membership of this committee.</p> <p>RR raised the timing of the next meeting. When the committee formally starts it must have a minimum of four meetings per year but at the moment there are no requirements.</p> <p>AG noted that perhaps the next meeting could be in September if that works for the group.</p> <p>Group agreed zoom meetings were a good platform for meetings.</p>	
10.3	<p>GM asked if perhaps this committee could join the existing joint CCC with the other Whitehaven mines in the area. AG advised that this needs to be taken on notice for consideration. GM noted that it would be good to understand what's happening at the other mines. CS seconded GM's suggestion. RR questioned if the joint meetings happen once a year. CS advised they happen every six months. It's a collaborative committee across all Whitehaven mines. RR advised this would be taken on notice.</p>	<p>AG/RR to consider if this CCC could join the existing joint CCC with the other Whitehaven mines in the area on occasion.</p>
10.4	<p>RR closed the meeting and thanked Brian for this engagement in the group to date and wished him best wished in retirement.</p>	
	<p><b>These minutes have been endorsed by the meeting Chair</b></p> <p><b>Signed: Roberta Ryan</b> <span style="float: right;"><b>Date:</b></span> <b>8<sup>th</sup> August 2020</b></p>	

**Minutes of the 10<sup>th</sup> Meeting of the  
Vickery Project Community Consultative committee**

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# Vickery – Canyon Coal Mine

## Community Consultative Committee Meeting

30 June 2020

Gunnedah, NSW





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# Introduction





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# Vickery

## Team Members

### Whitehaven – Core Team

- Mark Stevens – Executive General Manager Project Delivery
- Rod Fox – Project Director Vickery Extension Project
- Andrew Garratt – General Manager Community Engagement
- Alex Carynny – Environmental Officer

### Guests

- Mitchell Purvis – Study Manager
- Tony Dwyer – Group Manager Approvals and Environment
- Huw Morgan – Group Manager - Water and Property
- James Steele – Environmental Consultant

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# Canyon Coal Mine





# Agenda

Environmental Monitoring – as per Project Approval and Management Plans

- Biodiversity
- Air quality
- Groundwater
- Surface water



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# Biodiversity Management

## Activities completed as per Rehabilitation Management Plan

- FY20 2nd Quarter - Monitoring found feral pig abundance scarce and fox abundance low. The control program implemented resulted in 0 feral pigs being trapped and 0 foxes baited;
- FY20 3rd Quarter - Monitoring found feral pig abundance scarce and fox abundance low. The control program implemented resulted in 0 feral pigs being trapped and 0 foxes baited;
- FY20 4th Quarter - Monitoring found feral pig abundance higher and fox abundance higher. The control program implemented resulted in 14 feral pigs (so far) being trapped and 22 foxes baited.



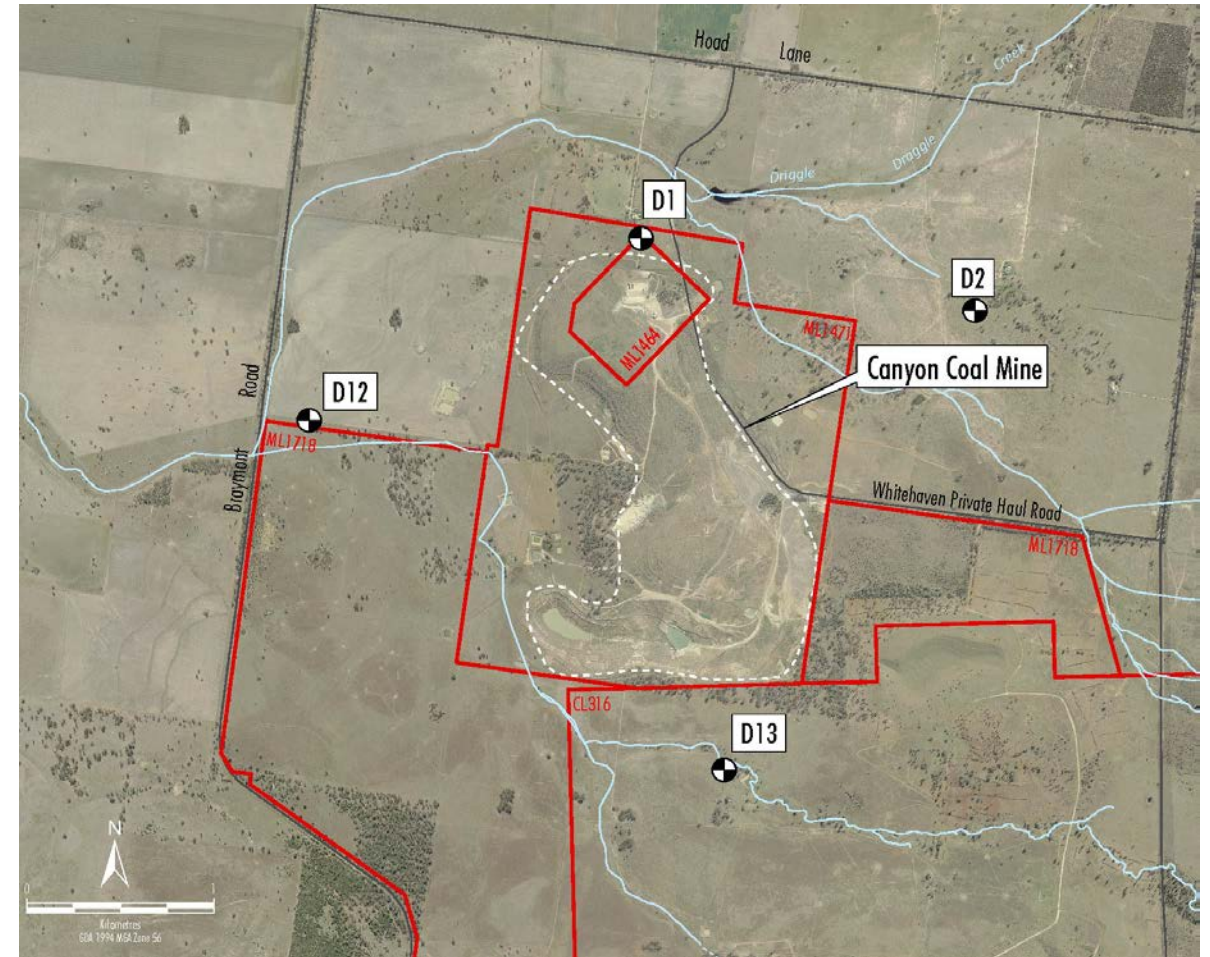


# Air Quality

## Depositional Dust monitoring as per Project Approval and Air Quality Management Plan

Depositional Dust (12-month insoluble matter results in g/m <sup>2</sup> /month)		
Site	Annual Average	Guideline
D1	1.7	Annual average to be below 4
D2	3.5	
D12	3.7	
D13	3.5	

Compliant with Project Approval and Air Quality Management Plan



# Groundwater

## Monitoring as per Project Approval and Water Management Plan

- All sites have their standing water level assessed every 6 months. Levels are consistent at all locations since last CCC Meeting.
- Sites GW-11 and P-3 have water quality assessed every six months to review temporal trends. The results remain steady since the last CCC Meeting.

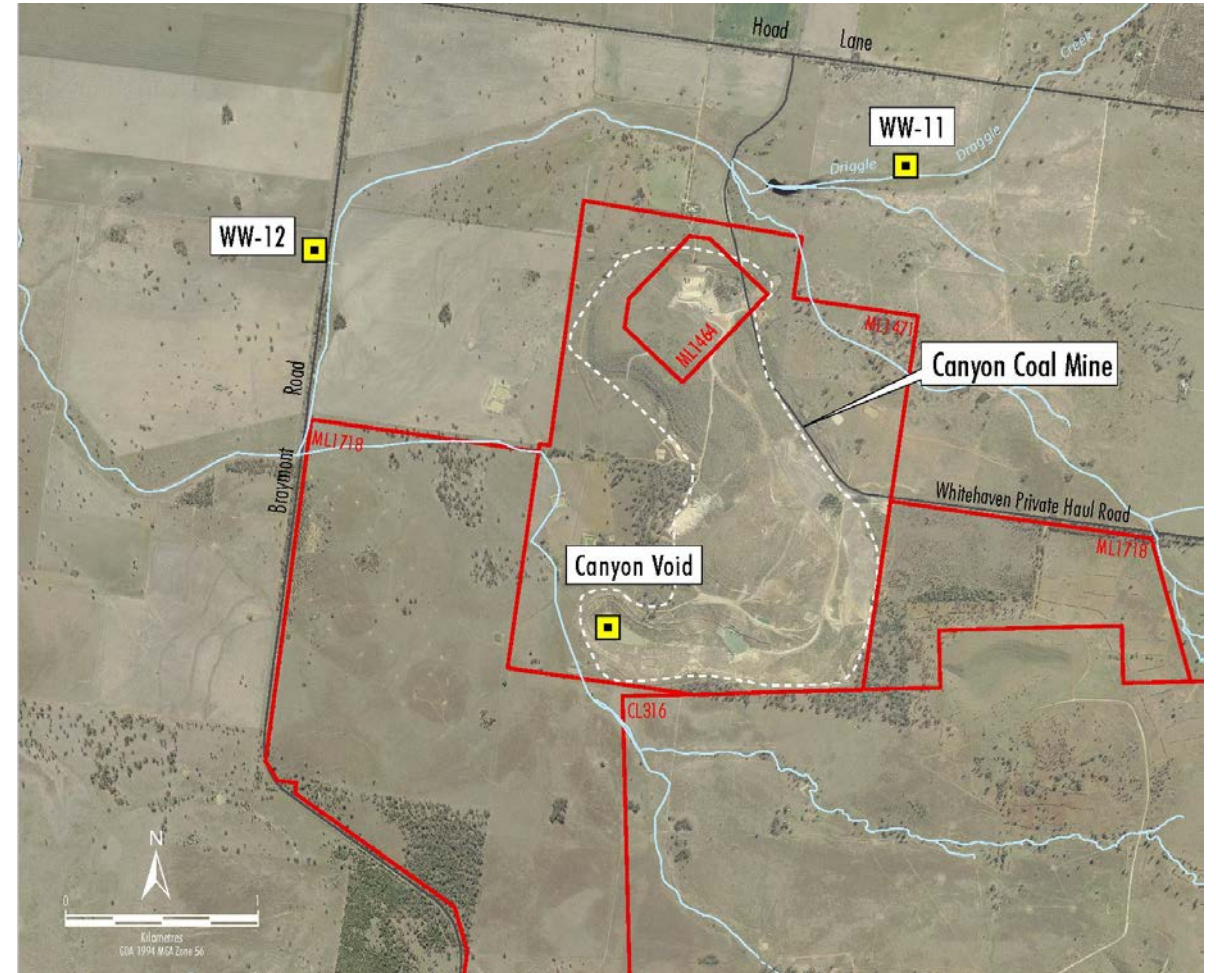




# Surface Water

## Monitoring as per Project Approval and Water Management Plan

- A number of rainfall events since the last CCC Meeting. No monitoring undertaken as no discharge occurred.
- Canyon Void water levels and quality are monitored on a 6 monthly basis. Water level and quality is generally consistent since the last CCC Meeting. pH slight increase, EC decrease, TSS consistent, grease and oil consistent.
- Water extraction has ceased from the Canyon void for use at Tarrawonga Mine.
- A review of the Water Management Plan was undertaken and submitted to the DPI&E in October 2019 for approval.




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# Complaints

No complaints received

<https://whitehavencoal.com.au/our-business/our-assets/canyon-mine/>

## Canyon Mine



- About Canyon Mine
- Approvals
- Community
- Environmental Management
- Timeline



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# Vickery Coal Mine





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# Agenda

Environmental Monitoring – as per Project Approval

- Biodiversity
- Air quality
- Groundwater
- Surface water



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# Biodiversity Management

Biodiversity activities completed as required by EPBC Decision 2012/6263



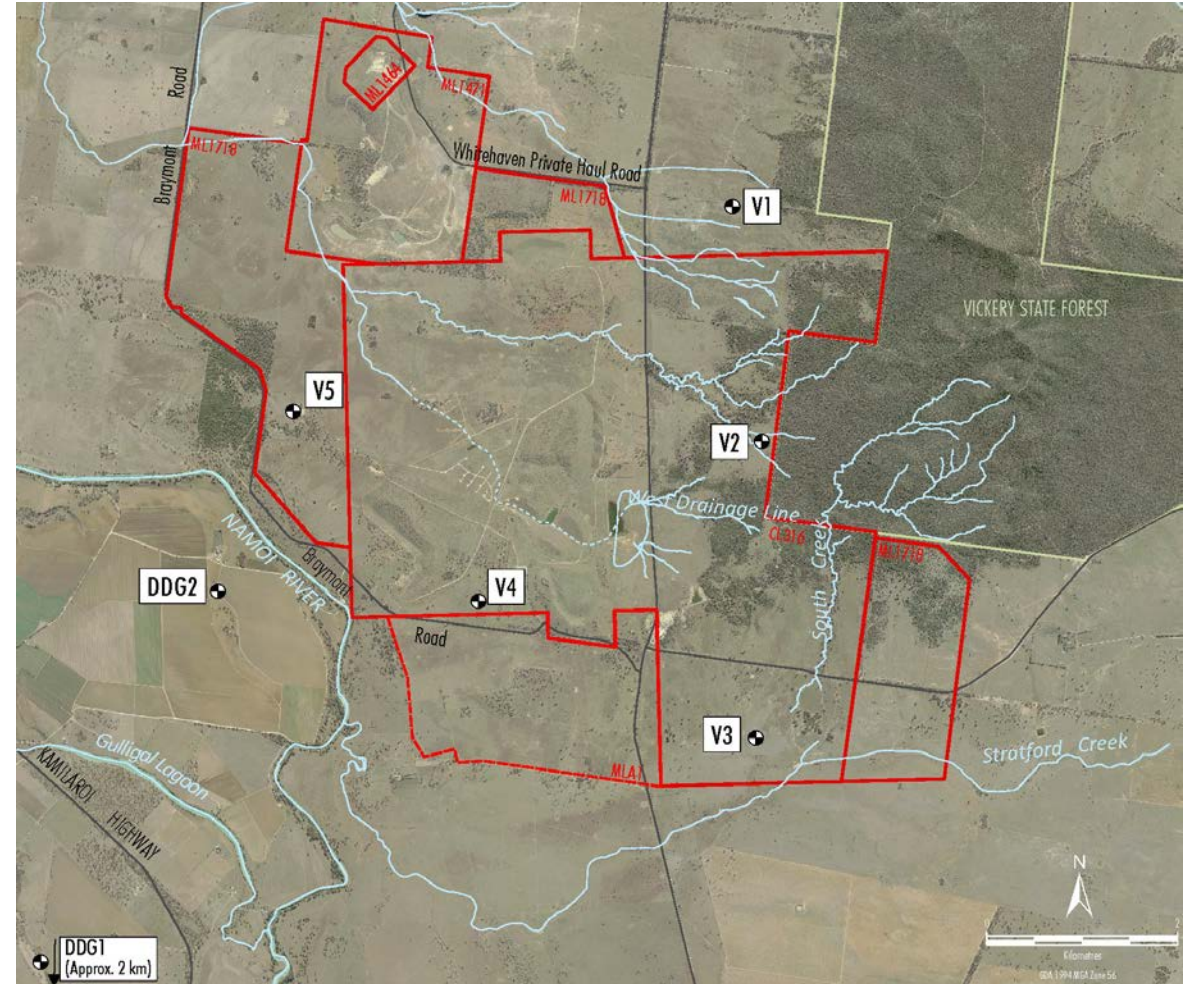
- The Winged Peppergrass Threatened Species Project Plan is undergoing a revision to include management strategies. This will be reissued to NSW DPI&E and Commonwealth Department of Environment and Energy.
- Monthly inspections since October 2019 did not identify any Winged Peppergrass plants.
- Quarterly Monitoring undertaken in November, December 2019 and March 2020 did not identify any Winged Peppergrass plants.



# Air Quality

## Depositional Dust monitoring as per Project Approval

Depositional Dust (12-month insoluble matter results in g/m2/month)		
Site	Annual Average	Guideline
DG1	3.9	Annual average to be below 4
DG2	2.0	
V1	1.9	
V2	1.4	
V3	2.8	
V4	1.8	
V5	1.7	

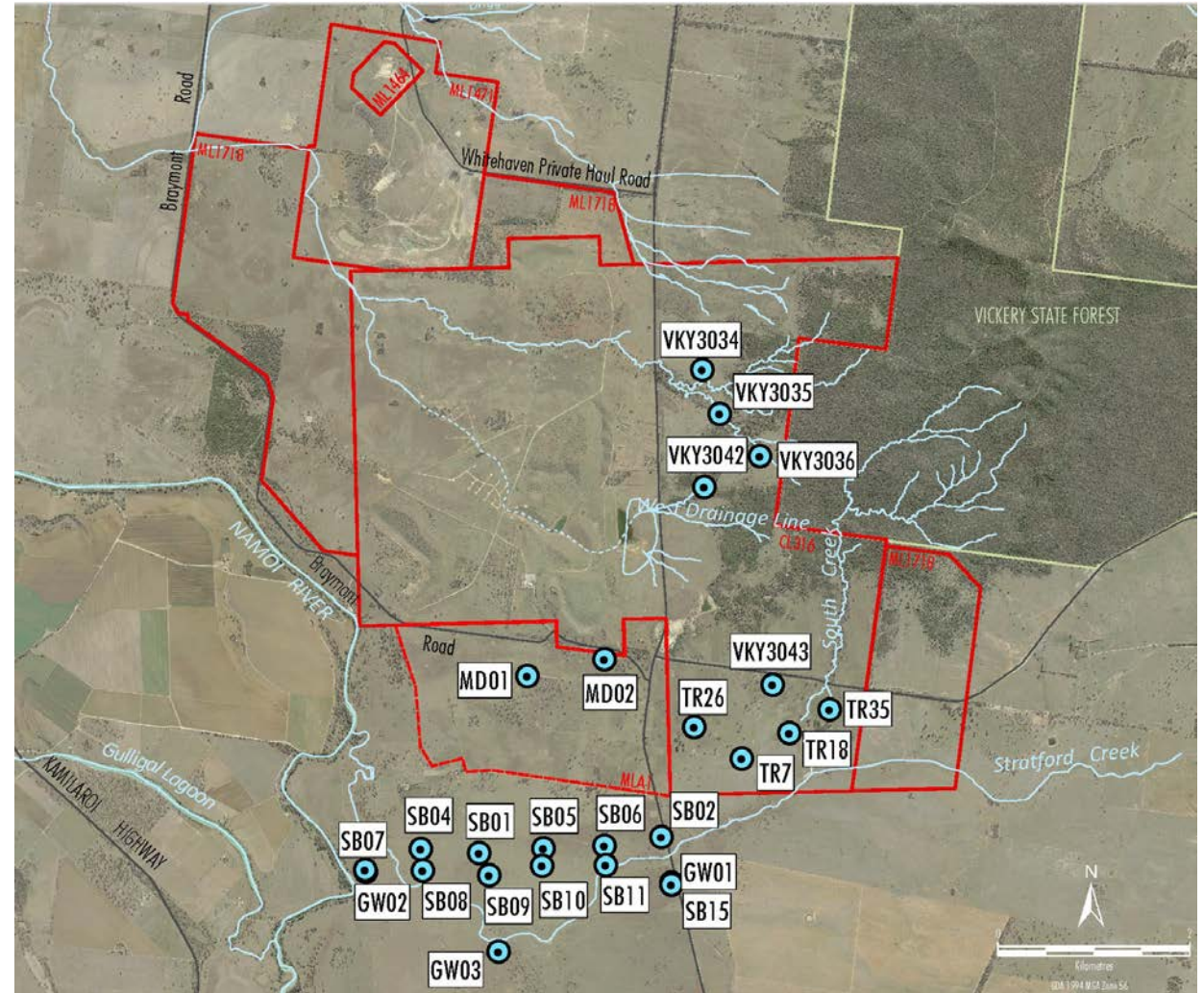


Compliant with Project Approval



# Groundwater

Groundwater levels at 25 standpipe locations were last recorded in March 2020. Results showed a varied changes in water levels, the general average trend since the last CCC Meeting is an increase of 20 cm.

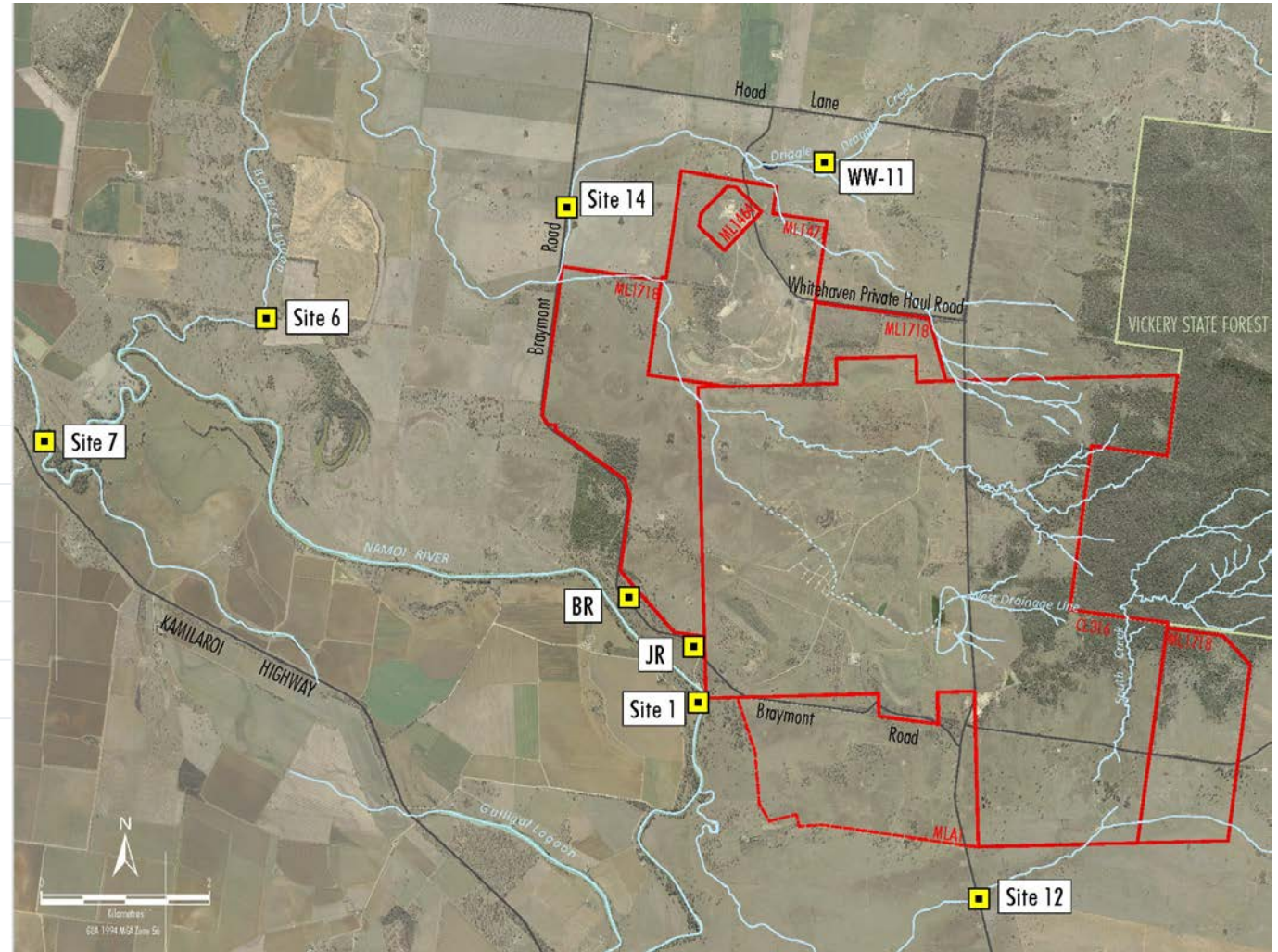
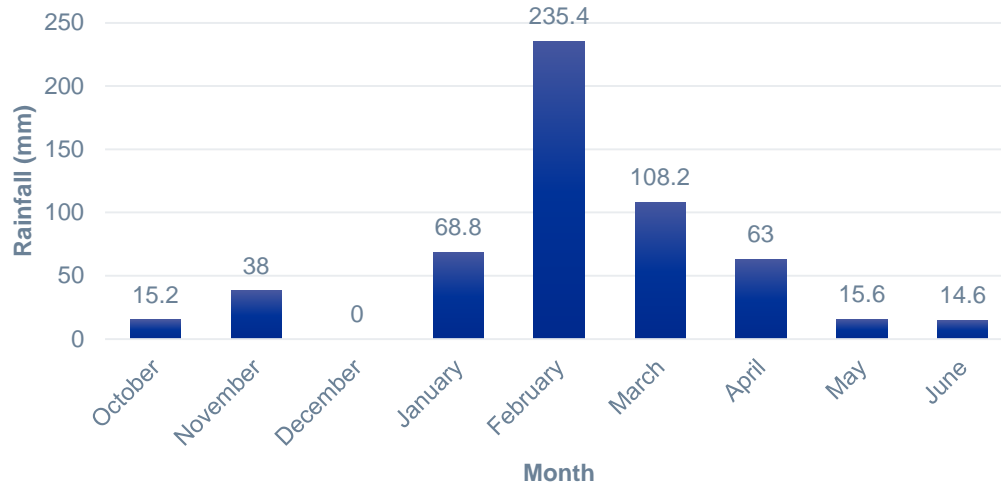


# Surface Water

Surface water flow was generated since the last CCC Meeting through a number of rain events.

Water sampling undertaken.

Rainfall - October 2019 to June 2020





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# Complaints

No complaints received

<https://whitehavencoal.com.au/our-business/our-assets/vickery-extension-project/>



## Vickery Extension Project

The Vickery Extension Project is in the final stages of the NSW Government's rigorous approval process. The Independent Planning Commission NSW will shortly decide whether to approve the Project and is seeking public feedback. Have your say by clicking the button below.

[HAVE YOUR SAY](#) [FIND OUT MORE](#)

<a href="#">About the project</a> ▾	<a href="#">Jobs</a> ▾	<a href="#">Environment</a> ▾
<a href="#">Location</a> ▾	<a href="#">Assessment process</a> ▾	<a href="#">Documentation</a> ▾
<a href="#">Community</a> ▾	<a href="#">Timeline</a> ▾	<a href="#">Contact</a> ▾



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# Vickery Extension Project

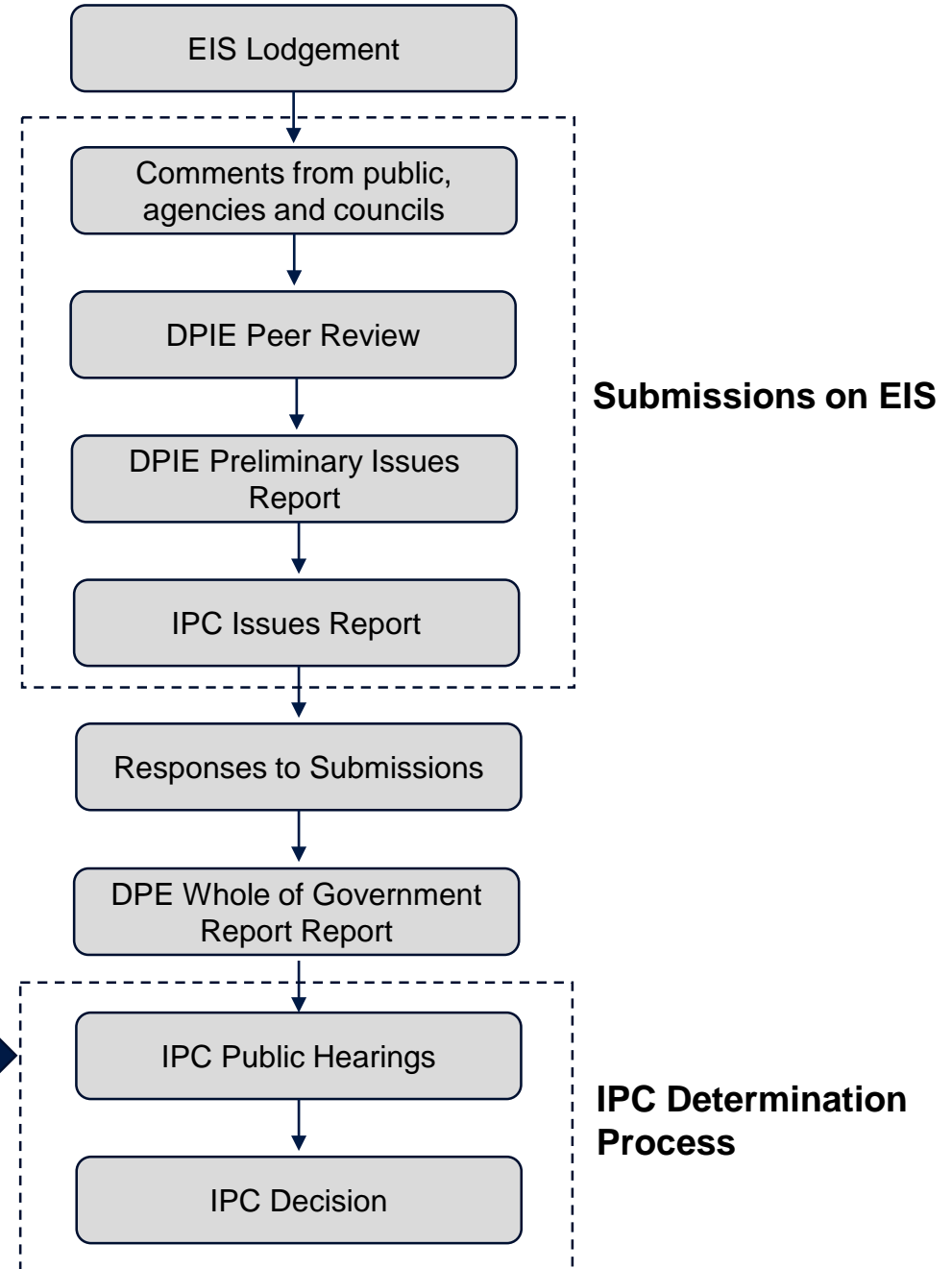


# Vickery Extension Project

## NSW – Assessment Process Update

- Whole of Government Report – released May 2020
- IPC Panel – reformed May 2020
- Public Hearings – 2/3 July 2020
- Decision on the Project – Expected August 2020

**We are here** →





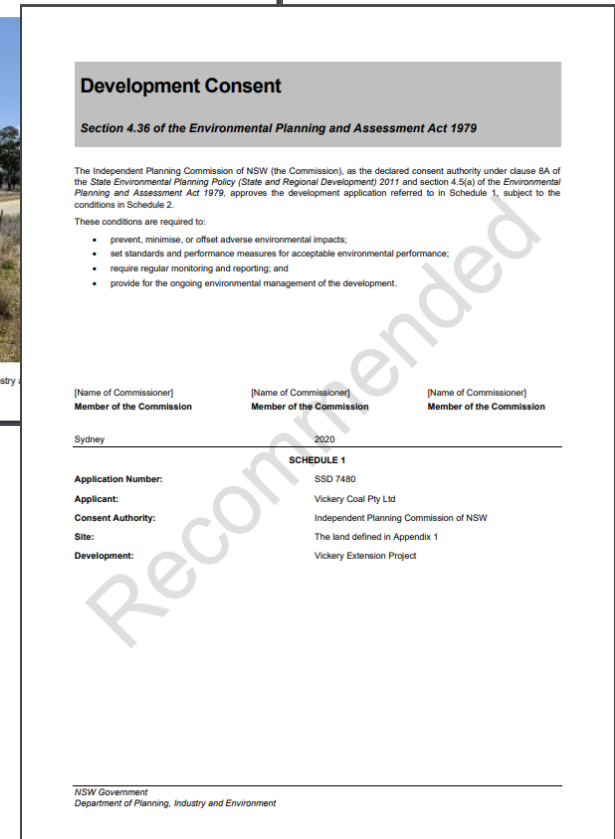
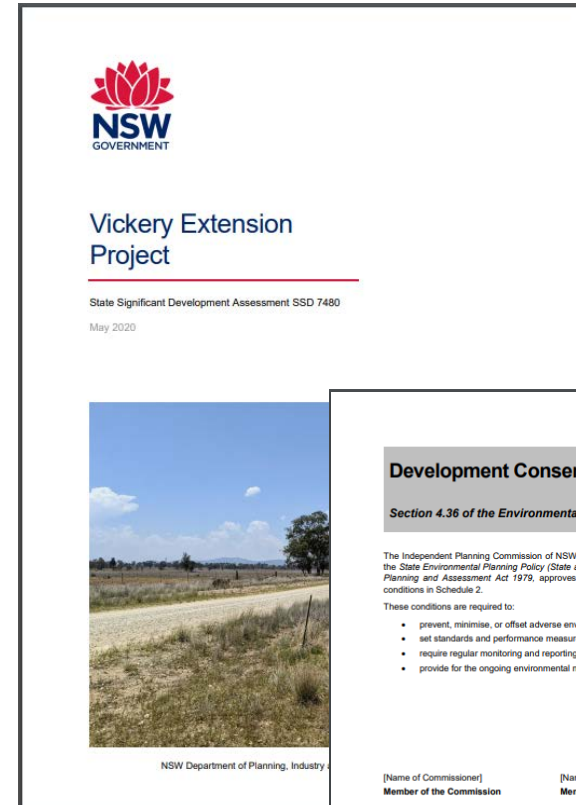
# Vickery Extension Project

## Whole of Government Report

- DPIE's assessment of the Project concludes it is in the public interest and can be approved subject to conditions.

*“On balance, the Department believes that the project's benefits outweigh its residual costs, and that is in the public interest and is approvable, subject to stringent conditions”*

- DPIE has recommended conditions of approval
- Examples of these conditions for noise, blasting and air quality and provided on the following slides
- Whitehaven accepts the recommended conditions of approval



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# Vickery Extension Project

## Recommended conditions of approval – noise limits and monitoring

- The Project will be required to operate in accordance with operational noise criteria
- These are generally 35 dBA ( $L_{Aeq15-minute}$ ) during the evening and night and 40 dBA ( $L_{Aeq15-minute}$ ) during the daytime
- The noise limits allow 1-2 dB above 35 dBA at specific locations
- ‘Sleep disturbance’ noise limits have set at 52 dBA ( $L_{AFmax}$ ) (for instantaneous or maximum noise levels)
- Attended (i.e. hand-held) monitoring must be conducted at least monthly to confirm compliance with criteria
- In addition, real-time (i.e. continuous) monitoring must be conducted to identify if elevated noise levels are occurring and inform appropriate management





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# Vickery Extension Project

## Recommended conditions of approval – blast limits and monitoring

- The Project will be required to operate in accordance with blast limits
- These are set to protect amenity and building damage
- Blast monitoring must be undertaken to confirm compliance with the blast limits



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# Vickery Extension Project

## Recommended conditions of approval – air quality limits and monitoring

- The Project will be required to operate in accordance with air quality limits for PM<sub>10</sub>, PM<sub>2.5</sub> and TSP
- These are set to protect human health and amenity
- Dust monitoring must be undertaken to confirm compliance with the air quality limits
- In addition, real-time (i.e. continuous) monitoring must be conducted to identify if elevated dust levels are occurring and inform appropriate management





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# General business

Questions

Future CCCs





# Thank you

[www.whitehavencoal.com.au](http://www.whitehavencoal.com.au)





## Minutes of the 11<sup>th</sup> Meeting of the Vickery – Canyon Coal Mine Community Consultative Committee

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**Meeting held:** 25<sup>th</sup> November 2020 – 11am – 12pm

**Venue:** Zoom

**Present:** Roberta Ryan (RR) - Independent Chair  
Stella Cimarosti (SC) - Minute taker  
Andrew Garratt (AG) - Whitehaven Coal  
Alex Carynny (AC) - Whitehaven Coal  
Rod Fox (RF) - Whitehaven Coal  
Mitchell Purvis – Whitehaven Coal  
Wade Hudson (WH) - Gunnedah Shire Council  
Cr Cathy Redding (CR) - Narrabri Shire Council

**Apologies:** Ron Fuller (RF) Community Representative  
Grant McIlveen (GM) - Community Representative  
Keith Blanch (KB) – Community Representative

Item	Description	Action/ Responsibility
<b>1</b>	<b>Welcome to our virtual meeting</b>	
1.1	RF and CR accepted minutes from previous CCC meeting.	
<b>2</b>	<b>Agenda and apologies</b>	
2.1	Apologies were noted and have been recorded in attendees list.	
<b>3</b>	<b>Declarations of interest</b>	
3.1	No new declarations of interest.	
<b>4</b>	<b>Actions and matters arising from previous meeting</b>	
4.1	Item 5.1 from previous meeting - Winged Peppercross plan AC noted that the report has not yet been finalised. It will be shared once it is ready.	
4.2	Reports noted in item 7.2 shared after previous meeting.	
4.3	Item 7.2 Mobile dust monitoring will be addressed at a future meeting when the project is much closer to a construction phase. AG noted that when Vickery becomes an operational mine the EPA will likely determine requirements around dust monitoring. RR agreed and noted that there may be an interest from nearby townships to have dust monitoring. Usually there is no interest from the community until things are further progressed.	RR and AG to discuss and report back.
<b>5</b>	<b>Canyon and Vickery environmental report and project update</b>	
5.1	Presentation attached to minutes	
5.2	Questions about Vickery presentation  RR asked about the status of the approvals noted in the report and how they impact start of work. RF advised that both primary and secondary approvals need to be in place before work can start.  RR asked how big the Winged Peppercross found is. AC advised it is less than 20cm tall.  CR noted that it is great that baseline data is being collected, particularly on water quality. It would be great to also have baseline air quality data before construction starts.	
<b>6</b>	<b>Next steps</b>	
6.1	RF advised regarding the extension project:	

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	<ul style="list-style-type: none"> <li>- Team are waiting for the primary approvals. Work is still ongoing regarding some aspects of the design.</li> <li>- All going well the primary and secondary approvals will be provided in 2021 financial year.</li> <li>- The detailed mine design will also be completed in 2021 financial year.</li> <li>- Further detailed design work will be completed as part of work in the 2022 financial year.</li> </ul> <p>RR questioned when things would be operational. RF noted that the earliest would be December 2021. This can slip pending approvals. December 2021 is achievable unless primary approval slips beyond March 2021.</p>	
6.2	<p>Role of the CCC and next meetings</p> <p>AG noted that based on the update from RF not much will change prior to March 2021. Likely there will be more advice in April 2021. WH noted that council had a lot of conversations with the community during the application. Interest will probably pick back up when construction starts. CR questioned if Whitehaven were going to wait for approvals on the extension before starting work or if they are planning to start some work already approved in the original project. RF advised work wouldn't start until approval of the extension was achieved. CR agreed that council likely won't get any community interest until Whitehaven are further down the track with approvals. CR suggested the CCC meet around three monthly until things start. RF agreed and suggested April/May 2021 for the next meeting. RR noted the suggested and advised that a proposed date would be provided next year.</p>	
<b>7</b>	<b>General business</b>	
7.1	<p>AG provided an update on the workforce plan and education:</p> <ul style="list-style-type: none"> <li>- Whitehaven are working with TAFE, the education minister and local councils around this.</li> <li>- One of the current challenges is TAFE resourcing.</li> <li>- Discussions are ongoing so that a workforce plan can be determined.</li> <li>- If TAFE cannot adequately resource to meet the requirements then Whitehaven will look to other locally based training providers.</li> <li>- It was noted that childcare is a challenge for the region and there is a shortfall of childcare workers. Actions to support childcare facilities and workers are ongoing.</li> </ul> <p>CR noted it was great that a workforce plan was being looked at. As a region it is likely there will be a workforce shortage when work kicks off. It would be great if the CCC could be kept informed on the progress of this.</p>	
	<p><b>These minutes have been endorsed by the meeting Chair</b></p> <p><b>Signed:</b> <b>ROBERTA RYAN</b></p> <p style="text-align: right;"><b>Date: 15<sup>th</sup> December, 2020</b></p>	



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# Vickery – Canyon Coal Mine

## Community Consultative Committee Meeting

25 November 2020



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# Canyon Coal Mine

**Environmental Monitoring –  
As per Project Approval and Management  
Plans**

Biodiversity  
Air quality  
Groundwater  
Surface water





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# Biodiversity Management

## Activities completed as per Rehabilitation Management Plan

- FY21 1<sup>st</sup> Quarter – Pest monitoring found feral pig and fox abundance remains low. The control program resulted in 1 feral pig being trapped and 4 foxes baited.
- FY21 1<sup>st</sup> quarter – Weed monitoring found high densities of Patersons Curse. Approximately 155 ha worth of weeds was sprayed in July 2020.





# Air Quality

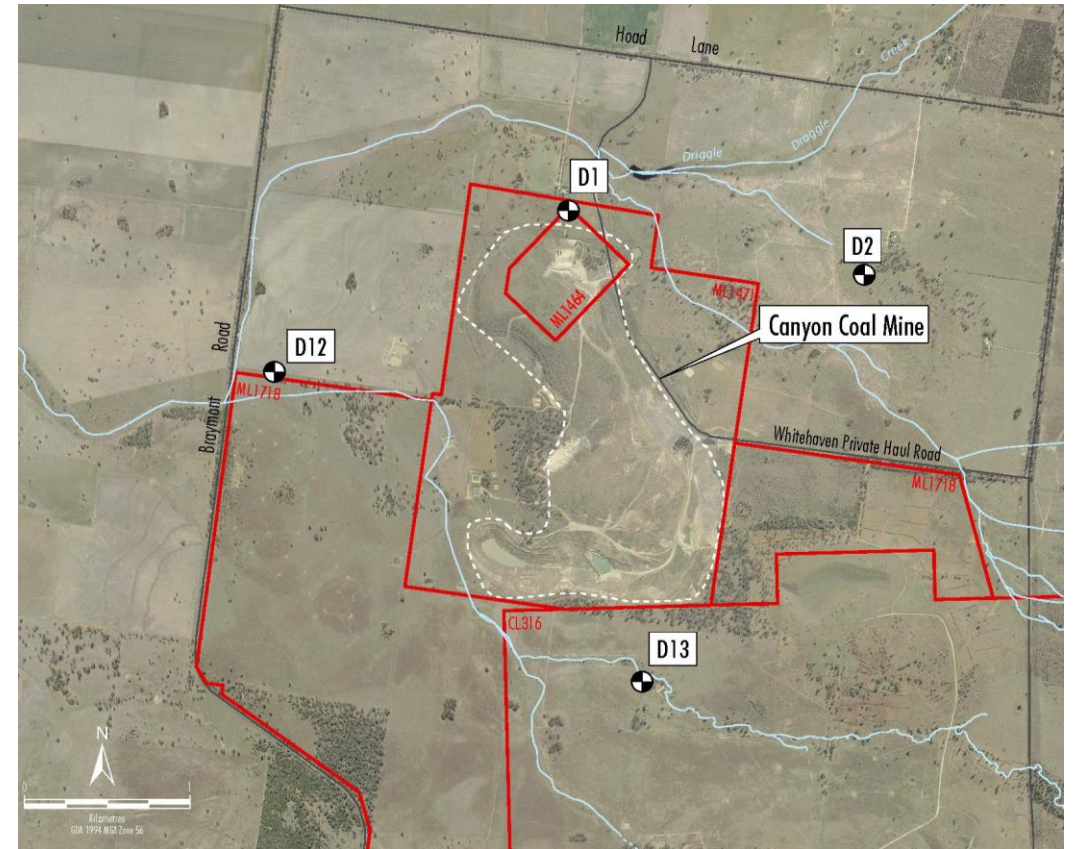
## Depositional Dust monitoring as per Project Approval and Air Quality Management Plan

Depositional Dust (12-month insoluble matter results in g/m2/month)		
Site	Annual Average	Guideline
D1	1.6	Annual average to be below 4
D2	2.6	
D12	4.2	
D13	3.1	

Dust emissions are not a result of the development. Compliant with Project Approval and Air Quality Management Plan

Trends show higher annual averages at D12.

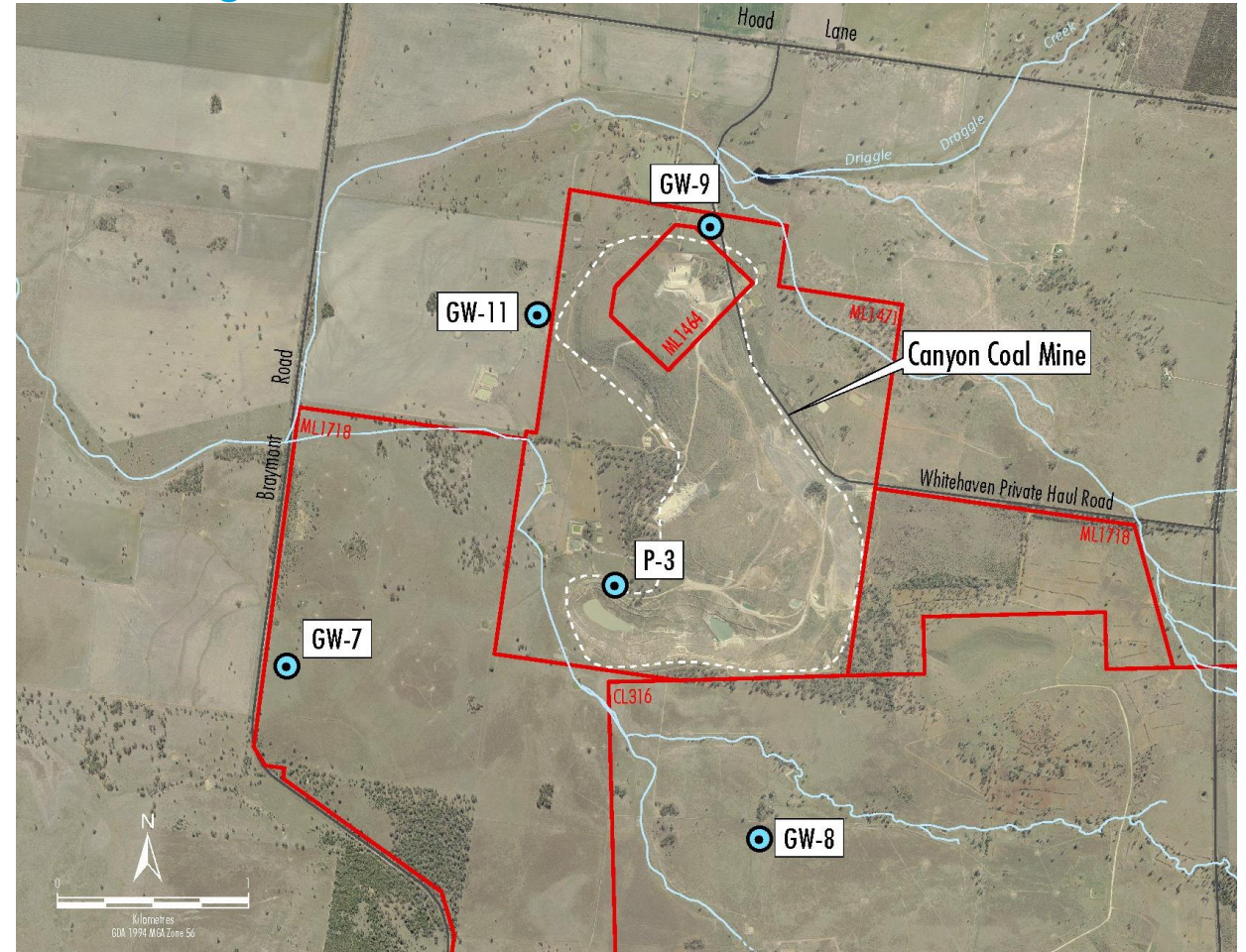
- Located adjacent to Braymont Road.
- Results are reported in the Annual Review.



# Groundwater

## Monitoring as per Project Approval and Water Management Plan

- All sites have their standing water level assessed every 6 months. Levels are consistent at all locations since last CCC Meeting.
- Sites GW-11 and P-3 have water quality assessed every six months to review temporal trends. The results remain steady since the last CCC Meeting.

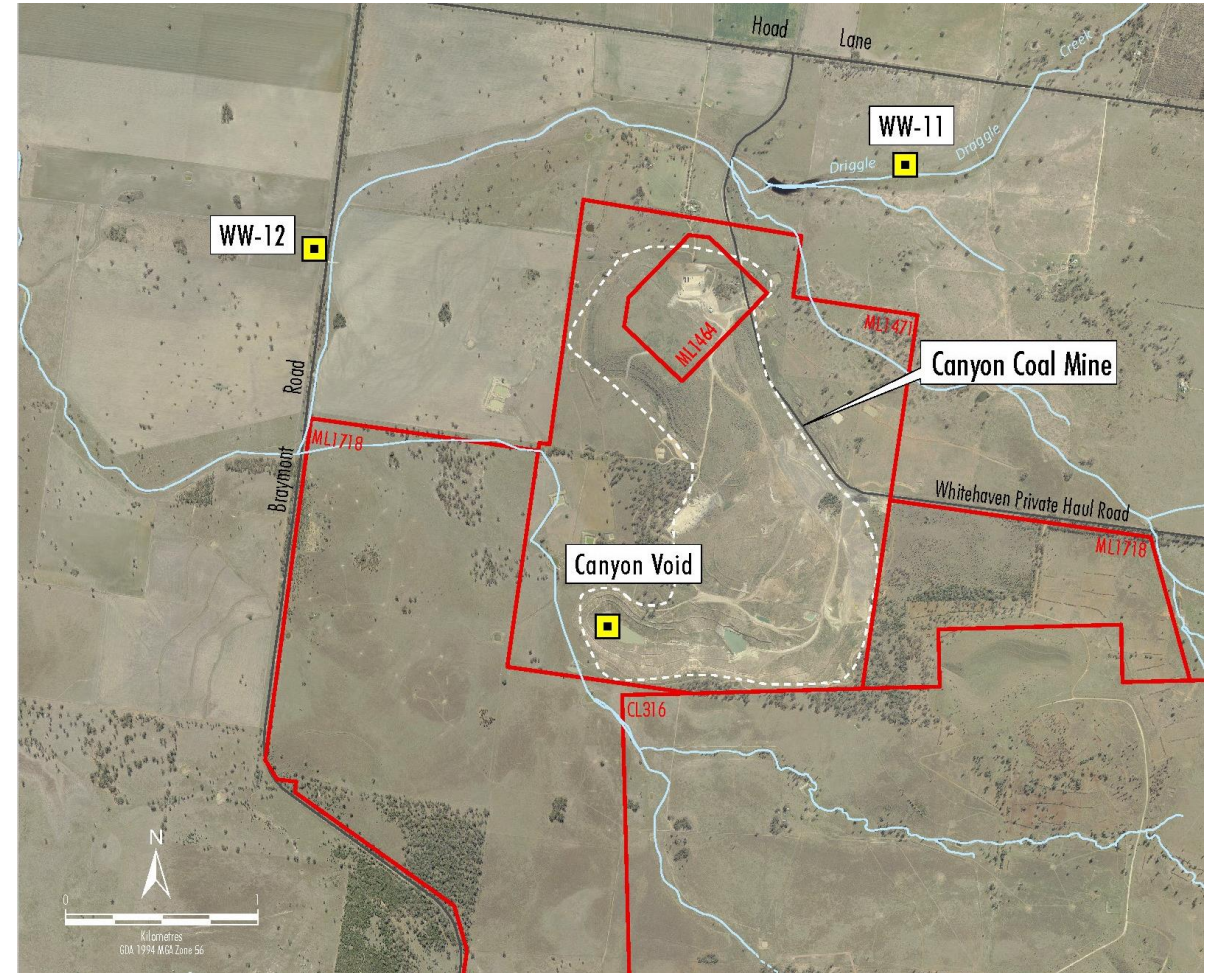




# Surface Water

## Monitoring as per Project Approval and Water Management Plan

- On average, Site received 32 mm of rain each month since the last CCC Meeting. No monitoring was undertaken as no discharge occurred.
- Canyon Void water levels and quality are monitored on a 6 monthly basis. Water level and quality is generally consistent since the last CCC Meeting. pH slight decrease, EC slight decrease, TSS and grease and oil consistent.





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# Complaints

No complaints received

<https://whitehavencoal.com.au/our-business/our-assets/canyon-mine/>

Contact us via email or our community hotline for more information, to provide feedback or to lodge a complaint.

 1800 WHAVEN (1800 942 836)

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# Vickery Coal Mine

**Vickery Extension Approval Status**  
**Vickery Design status**

**Environmental Monitoring –**  
**as per Project Approval**

Biodiversity  
Air quality  
Groundwater  
Surface water



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# VEP - Approval Status

## Primary Approvals

- ✓ NSW – Vickery Extension Project Development Consent granted by IPC on 12 August 2020
- Commonwealth – EPBC Act Approval pending and expected Q1- Q2 2021

## Secondary Approvals

- ✓ Majority of Environmental Management Plans (EMPs) for early works submitted for consultation
- Approval of EMPs expected mid-2021
- EPL Variation mid-late 2021
- Mining Lease Application to be finalised mid-late 2021



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# VEP – Design Status

Whitehaven and specialist design engineers are progressing design aspects of the Vickery Extension Project, including:

- Mine planning
- Coal Handling & Preparation Plant
- On-Site/Off-Site Non Process Infrastructure
  - MIA
  - Water Management System
  - Power
  - Rail

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# Biodiversity Management

Biodiversity activities completed as required by EPBC Decision 2012/6263



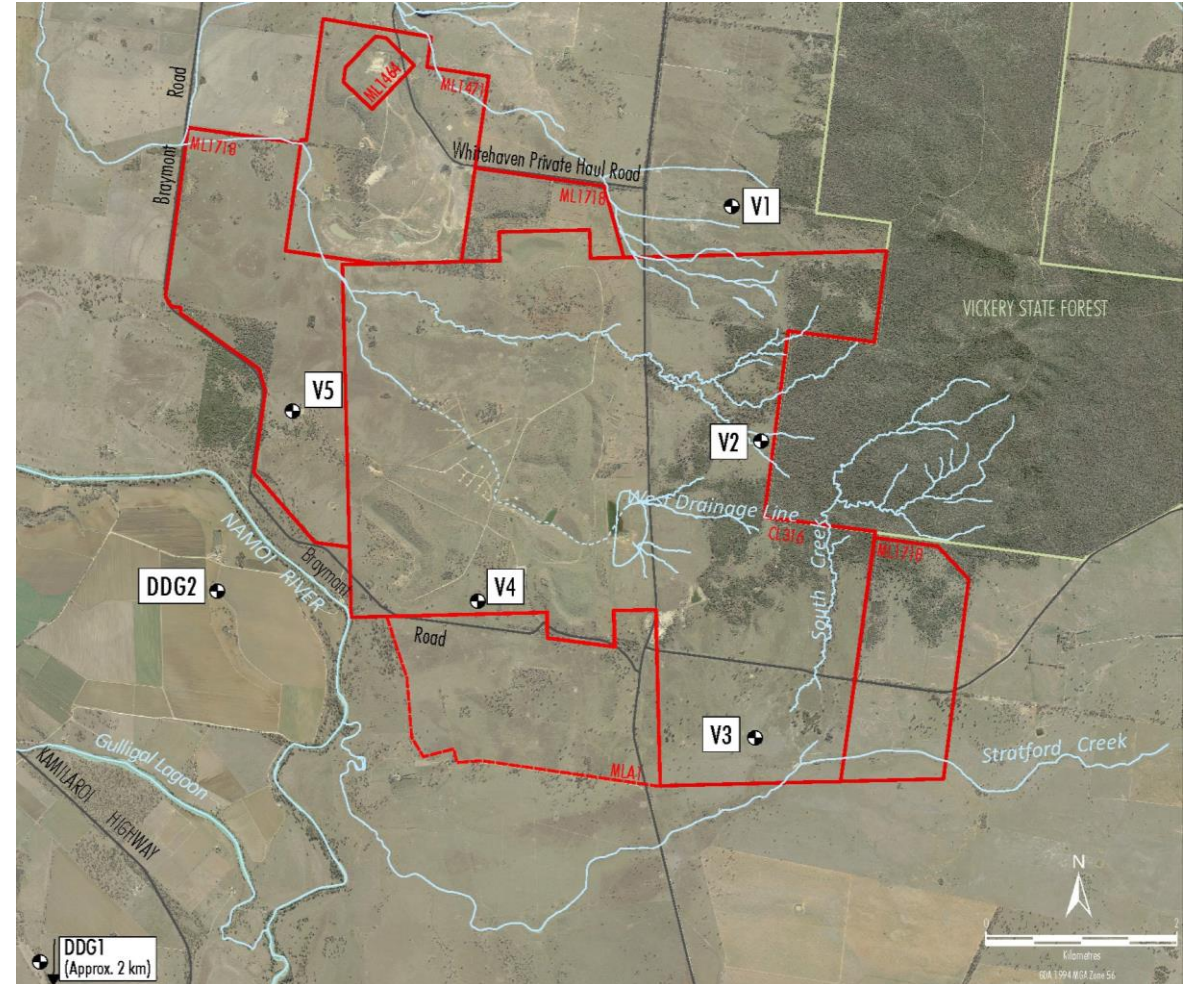
- The Winged Peppergrass Restoration and Translocation Strategy has been implemented, resulting in:
  - Over 100 Winged Peppergrass plants found in the Protection Area in October 2020
  - One Winged Peppergrass plant found in the Impact Area in November 2020
  - Measurement of the population and ecology attributes of the Winged Peppergrass
  - Seed collection of < 20% of the Protection Area Winged Peppergrass to provide an insurance seed source for future restoration/transplantation planning
  - Design and planning for Winged Peppergrass Pilliga population has commenced in preparation of consultation with Government regulators.



# Air Quality

## Depositional Dust monitoring as per Project Approval

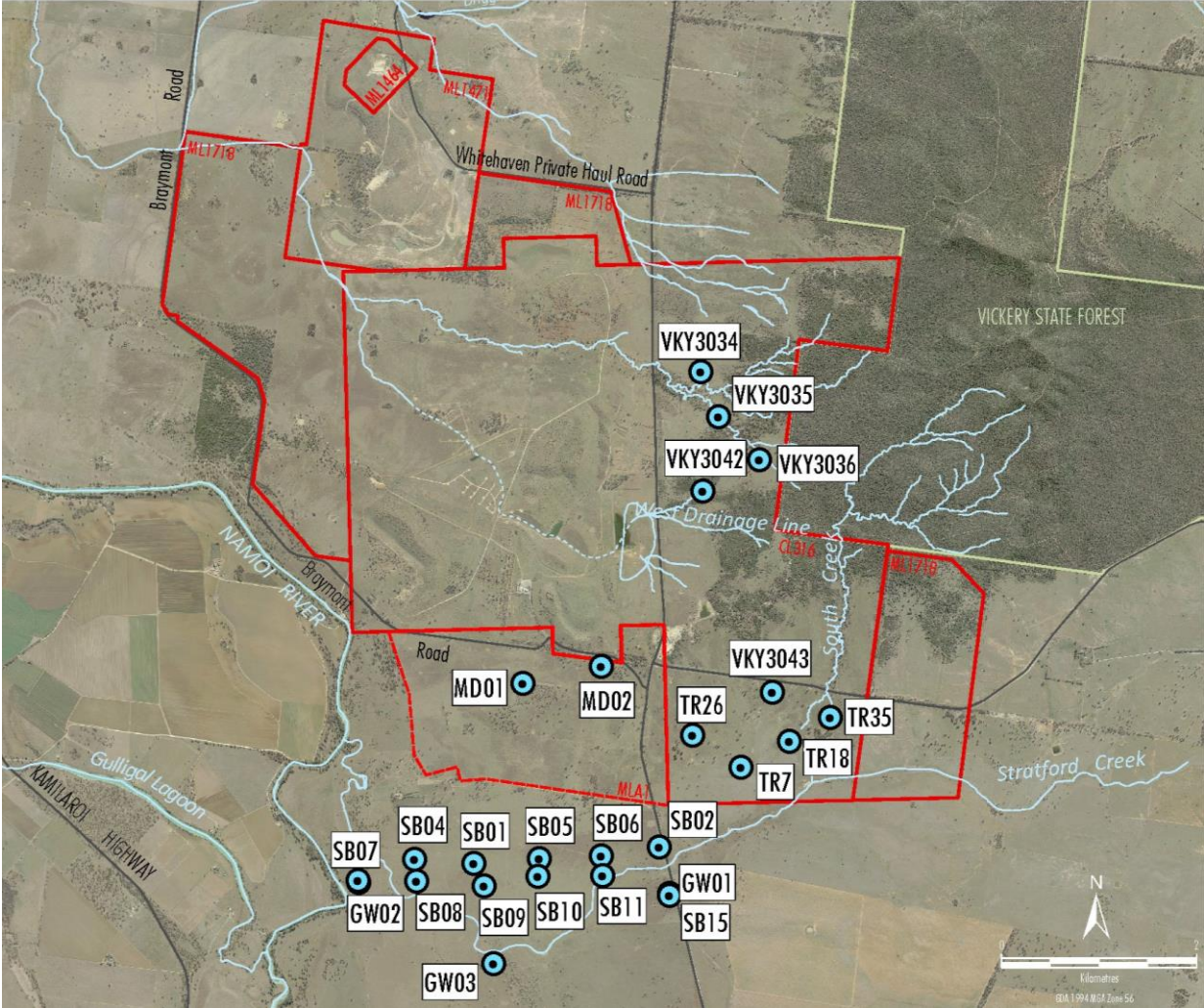
Depositional Dust (12-month insoluble matter results in g/m <sup>2</sup> /month)		
Site	Annual Average	Guideline
DG1	3.6	Annual average to be below 4
DG2	1.9	
V1	1.5	
V2	1.3	
V3	2.9	
V4	1.6	
V5	1.4	



Compliant with Project Approval

# Groundwater

Groundwater levels at 25 standpipe locations were last recorded in September 2020. Results showed generally consistent levels since the last CCC Meeting.

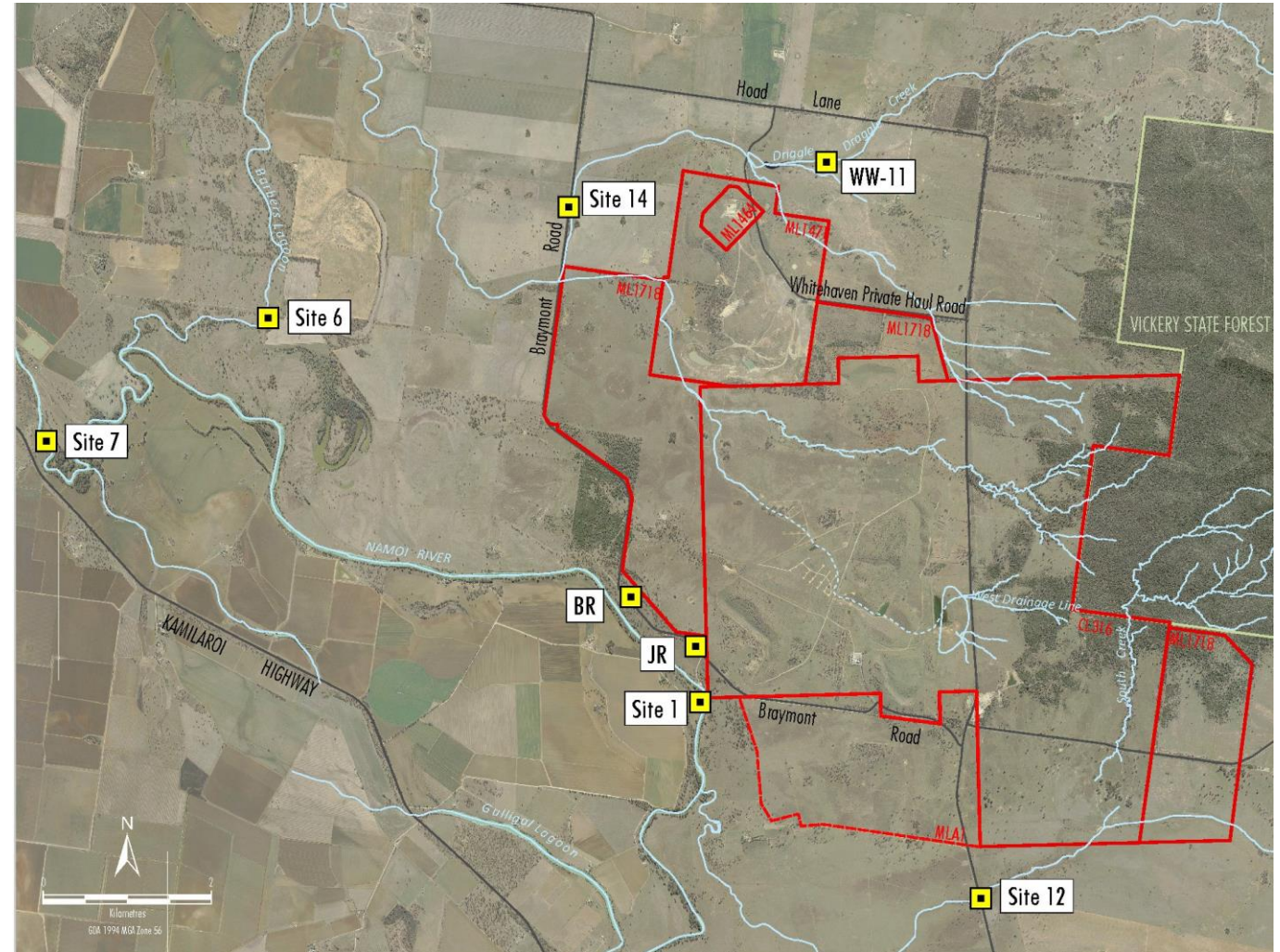
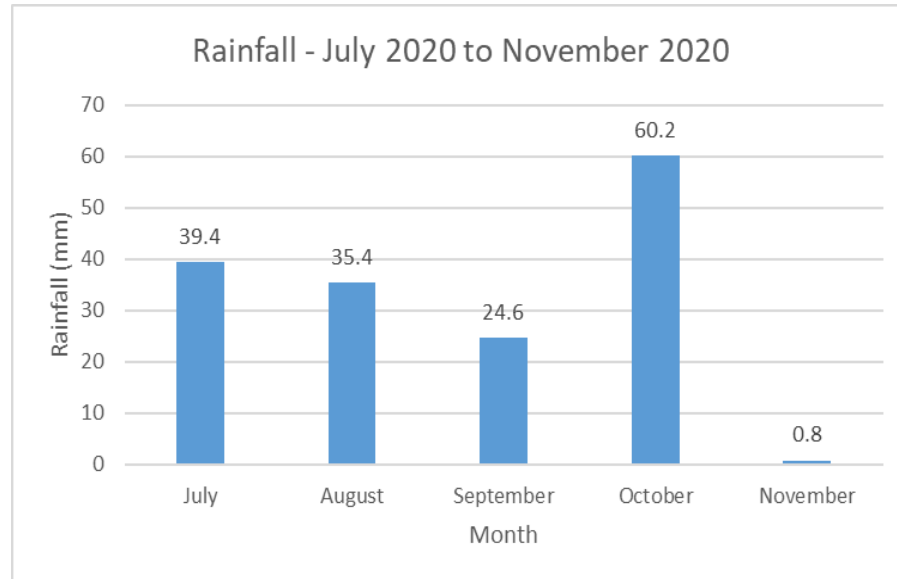




# Surface Water

Surface water flow was generated since the last CCC Meeting through a number of rain events.

Water sampling undertaken in the Namoi River.



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# Complaints

One complaint received


<https://whitehavencoal.com.au/our-business/our-assets/vickery-extension-project/>

## Contacts

### Vickery Extension Project

Contact us via email or our community hotline for more information, to provide feedback or to lodge a complaint.

 1800 WHAVEN (1800 942 836)

 VICKERYFEEDBACK@WHITEHAVENCOAL.COM.AU

ALL CONTACTS →



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# Thank you

[www.whitehavencoal.com.au](http://www.whitehavencoal.com.au)

