

CHAIN VALLEY COLLIERY and MANNERING COLLIERY

Venue:	Chain Valley Colliery		
Date:	21 / 2 / 18	Time: 12 noon	
Participants:	<p>Margaret MacDonald-Hill (MM) – Chair John Oakes (JO) – Community Ian Carr (IC) – Community Andrew Whitbourne (AW) – Community Paul Maky (PM) – Community Wade Covey (WC) – LakeCoal Bob Brooks (BB) – Community</p> <p><u>Apologies:</u></p> <p>Neil Wynn (NW) – Community Julie Vaughan (JV) – Central Coast Council Glenn Cannard (GC) - Central Coast Council Cr John Gilbert (JG) – LMCC Councillor Craig Shales (CS) – LakeCoal</p>		
UNDERGROUND SITE INSPECTION	Members of the Committee present undertook an underground mine tour at Chain Valley Colliery between 8am to 11.40am. The committee extended its appreciation to WC & LakeCoal for organising the tour.		
WELCOME	<p>MM declared the meeting open at 12:10pm.</p> <p>MM noted the apologies received. WC introduced Gary Cambourn to the Committee. WC explained that Gary had replaced Peter Ross as the General Manager for LakeCoal. WC advised that Craig Shales had recently resigned from LakeCoal and that LakeCoal was currently in the process of appointing another mine manager. The committee thanked Craig for his contributions to the committee and wished him well.</p>		
DECLARATIONS OF INTEREST	<p>MM declared no change in her interests from previous meetings.</p> <p>No change in previously declared interests from members present.</p>		

CONFIRMATION OF PREVIOUS MINUTES	The minutes of the December meeting were confirmed without amendment. The minutes were moved by JO and seconded by AW.										
CORRESPONDENCE	There was no correspondence noted since the last meeting.										
BUSINESS ARISING	<p>WC provided an update on the actions from the last meeting.</p> <table border="1" data-bbox="504 376 1283 763"> <thead> <tr> <th data-bbox="504 376 887 409">Action</th> <th data-bbox="887 376 1283 409">Update</th> </tr> </thead> <tbody> <tr> <td data-bbox="504 409 887 501">WC to follow up at next CAP meeting regarding possibility of opening applications earlier to allow for earlier determinations.</td> <td data-bbox="887 409 1283 501">Complete. Discussion with Council undertaken in January. Planning of the 2018 applications</td> </tr> <tr> <td data-bbox="504 501 887 616">WC to arrange additional noise monitoring in the village.</td> <td data-bbox="887 501 1283 616">Currently awaiting quotes/advice from our noise monitoring consultant for monitoring options for the village. Have postponed monitoring due to low volumes of product coming to the surface at Mannering at present.</td> </tr> <tr> <td data-bbox="504 616 887 689">MM to email out potential dates to CCC members for the for proposed meetings for 2018.</td> <td data-bbox="887 616 1283 689">Complete.</td> </tr> <tr> <td data-bbox="504 689 887 763">WC to review contact table for CCC for the website.</td> <td data-bbox="887 689 1283 763">Complete. Suggest revisiting this topic today in general business.</td> </tr> </tbody> </table>	Action	Update	WC to follow up at next CAP meeting regarding possibility of opening applications earlier to allow for earlier determinations.	Complete. Discussion with Council undertaken in January. Planning of the 2018 applications	WC to arrange additional noise monitoring in the village.	Currently awaiting quotes/advice from our noise monitoring consultant for monitoring options for the village. Have postponed monitoring due to low volumes of product coming to the surface at Mannering at present.	MM to email out potential dates to CCC members for the for proposed meetings for 2018.	Complete.	WC to review contact table for CCC for the website.	Complete. Suggest revisiting this topic today in general business.
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LAKECOAL OPERATIONAL UPDATE	<p>WC provided an operational update as outlined in the presentation handout. Questions were asked and answered throughout the presentation.</p> <p>WC advised that LakeCoal was unable to obtain approval for its second miniwall panel in Chain Valley Bay (CVB2) in time for extraction and that the sites focus was now on its Northern Mining Area (NMA). WC advised that LakeCoal was still working with its experts and the Department on the approval for CVB2.</p> <p>WC provided an overview of the outcomes from its extraction plan development for the NMA. WC provided an overview of the likely impacts associated with the mining of the NMA panels.</p> <p>WC advised that LakeCoal was planning on approaching the foreshore residents adjacent the NMA as part of its subsidence monitoring program. BB suggested a letter to residents would be suitable. WC agreed.</p> <p>BB explained that VPPS had recently completed significant upgrades to their rail loop and that they were getting a lot of coal by rail.</p> <p>AW asked about the amount of subsidence and movement which had been seen with the mining of CVB1. WC advised that the latest bathymetric survey had indicated up to 450mm of vertical movement which was within predictions. WC also advised that there had been no abnormal movement recorded on the foreshore areas around Chain Valley Bay.</p>										

<p>ENVIRONMENTAL PERFORMANCE</p>	<p>WC provided an overview of the environmental performance of both Mannering Colliery and Chain Valley Colliery since the last meeting. WC advised there had been no exceedances or externally reportable incidents at either site since the last meeting. WC provided an update on noise mitigation works at Mannering. WC spoke on the success of the recently completed weed management campaign by an external contractor (Kleinfelder).</p> <p>WC advised the committee that Lakecoal had received an audit on the dust gauge at Summerland Point which had shown elevated readings recently. (DDG005). The audit had confirmed that the gauge was being impacted by localised civil works directly adjacent the gauge. WC explained he would be consulting with the EPA regarding either relocation or temporarily discontinuing monitoring at this location.</p>
<p>REPORTS</p>	<p>WC provided an update on the LakeCoal VPA. WC informed the committee that \$52,206 had been accrued for 2017, to be transferred to Central Coast Council by end of March 2018. General discussion by the group regarding the total value of the grants approved in 2017. JO advised that they had not received any formal notification of the status of their VPA applications.</p> <p>AW explained that he had raised concerns with Council regarding the acknowledgement plaques to be used in the fact they did not acknowledge that the works were funded by the LakeCoal VPA.</p> <p>WC committed to following this up with the Council.</p> <p><u>ACTION:</u> <i>WC to follow up with Central Coast Council regarding the notification process, plaques and advise the Committee by the next meeting.</i></p> <p>WC advised that he had started collating the 2017 Annual Reviews for both CVC and Mannering. WC advised that the annual reviews needed to be submitted by the end of March.</p>
<p>APPROVALS/PROJECTS UPDATE</p>	<p>WC provided an overview on the status of the site approvals. WC advised that a lot of the longer term approvals were awaiting internal capital approval to progress.</p> <p>WC provided an update on the Environmental Improvement Projects on site as per the slide handouts.</p>

GENERAL BUSINESS	<p>WC provided an overview of the community projects supported in the last Quarter of 2017.</p> <p>BB asked if LakeCoal would be able to assist with the annual Australia Day Breakfast in the Park at Chain Valley Bay. WC advised that the project seemed to tick the boxes required for sponsorship however requested that BB send through a formal application for it. BB agreed.</p> <p>BB advised that the gate had been stolen from the playground at Chain Valley Bay.</p> <p>BB asked if LakeCoal could provide a short update for the village newsletter that he collates. WC agreed to providing the update.</p> <p><u>ACTION:</u> <i>WC to provide short operational update to BB for inclusion in the next village newsletter.</i></p> <p>WC advised the committee that LakeCoal had recently notified the tenants of the mine cottages that they needed to vacate the premises. WC explained that the cottages were very old and were requiring significant maintenance to upkeep and would require further capital spend in the future. As such a decision had been made to vacate the cottages. WC advised that the tenants had been given 3 months to vacate.</p> <p>WC discussed the CCC contact register. It was agreed by the group that the existing contact register was sufficient with email addresses for the community members.</p> <p><u>ACTION:</u> <i>WC to update the CCC register and place on the website.</i></p> <p>WC provided a brief overview of the CHB Jetty approvals process and way forward. WC explained that LakeCoal was consulting with Councillor Gilbert regarding potential reuse options for the Jetty. WC did however explain that LakeCoal was committed to obtaining the required approvals for the Jetty's demolition.</p>
2018 MEETING SCHEDULE	<p>MM proposed dates for the remainder of the year; May 16, August 15 and November 14. Committee members agreed that meeting commencement time should remain at 2pm for each meeting.</p> <p>MM thanked everyone for their attendance and declared the meeting closed at 2:10pm.</p>



LakeCoal
Chain Valley and Mannering Collieries

Combined
Community Consultative Committee Meeting

21st February 2018

Agenda

- 1. Welcome and apologies**
- 2. Declarations of interest**
- 3. Confirmation of previous minutes**
- 4. Correspondence**
- 5. Business arising / Action Updates**
- 6. LakeCoal Operational Update**
- 7. Environmental Performance**
- 8. Reports and overview of activities**
- 9. Approvals Update**
- 10. General business**
- 11. Next meeting**

Welcome & Apologies

- **Welcome and apologies**

Welcome: Gary Cambourn – LakeCoal General Manager

Apologies: Craig Shales

- **Declaration of interests**

- **Confirmation of previous minutes: 13 December 2018**

Correspondence



Actions / Business Arising from Previous Minutes

Action	Update
WC to follow up at next CAP meeting regarding possibility of opening applications earlier to allow for earlier determinations.	Complete. Discussion with Council undertaken in January. Planning of the 2018 applications
WC to arrange additional noise monitoring in the village.	Currently awaiting quotes/advice from our noise monitoring consultant for monitoring options for the village. Have postponed monitoring due to low volumes of product coming to the surface at Mannering at present.
MM to email out potential dates to CCC members for the for proposed meetings for 2018.	Complete.
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LakeCoal VPA Update

- As at 31 December 2017, \$52,206 had been accrued by LakeCoal for the VPA for the 2017 reporting period. The money is required to be transferred to the Council by 31 March 2018.
- Council have sent out notifications to the community groups that have lodged applications for the LakeCoal VPA.
- The next CAP meeting is planned to be undertaken within the next few months and will include a review of the previous program and likely dates for the 2018 VPA funding.

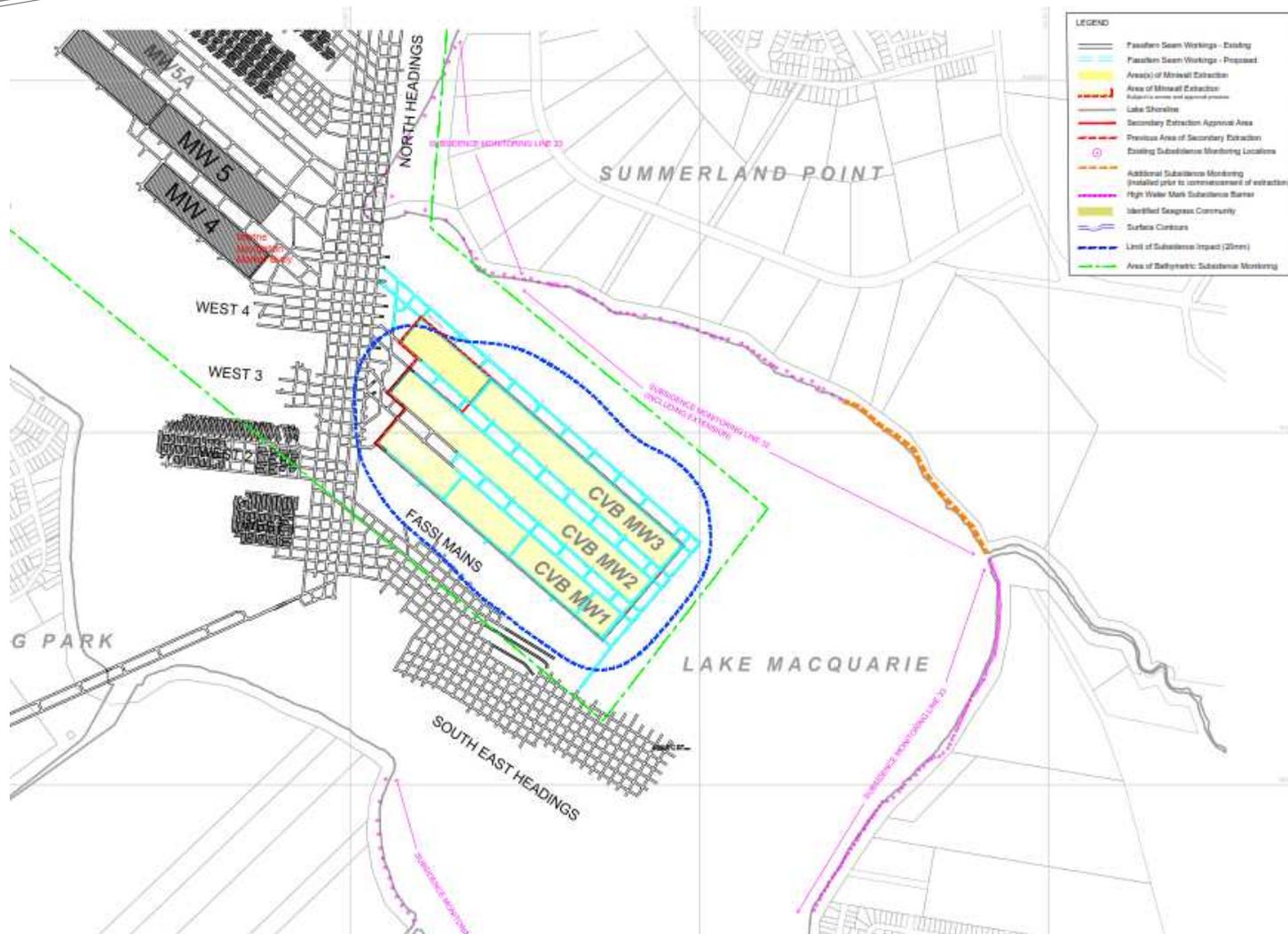
LakeCoal Operational Update

- Miniwall CVB1 was completed on 24th December 2017.
- LakeCoal was unable to obtain approval from DP&E in time for miniwall CVB2 as the Department has requested further expert advice on the subsidence impacts associated with LakeCoal's proposed mine design for the miniwall.
- As a result LakeCoal has moved its development operations to its Northern Mining Area to start developing the miniwalls in this area while it continues to seek approval for CVB2.
- Mining in the sites Northern Mining Area is scheduled to commence in May 2018.

LakeCoal Operational Update



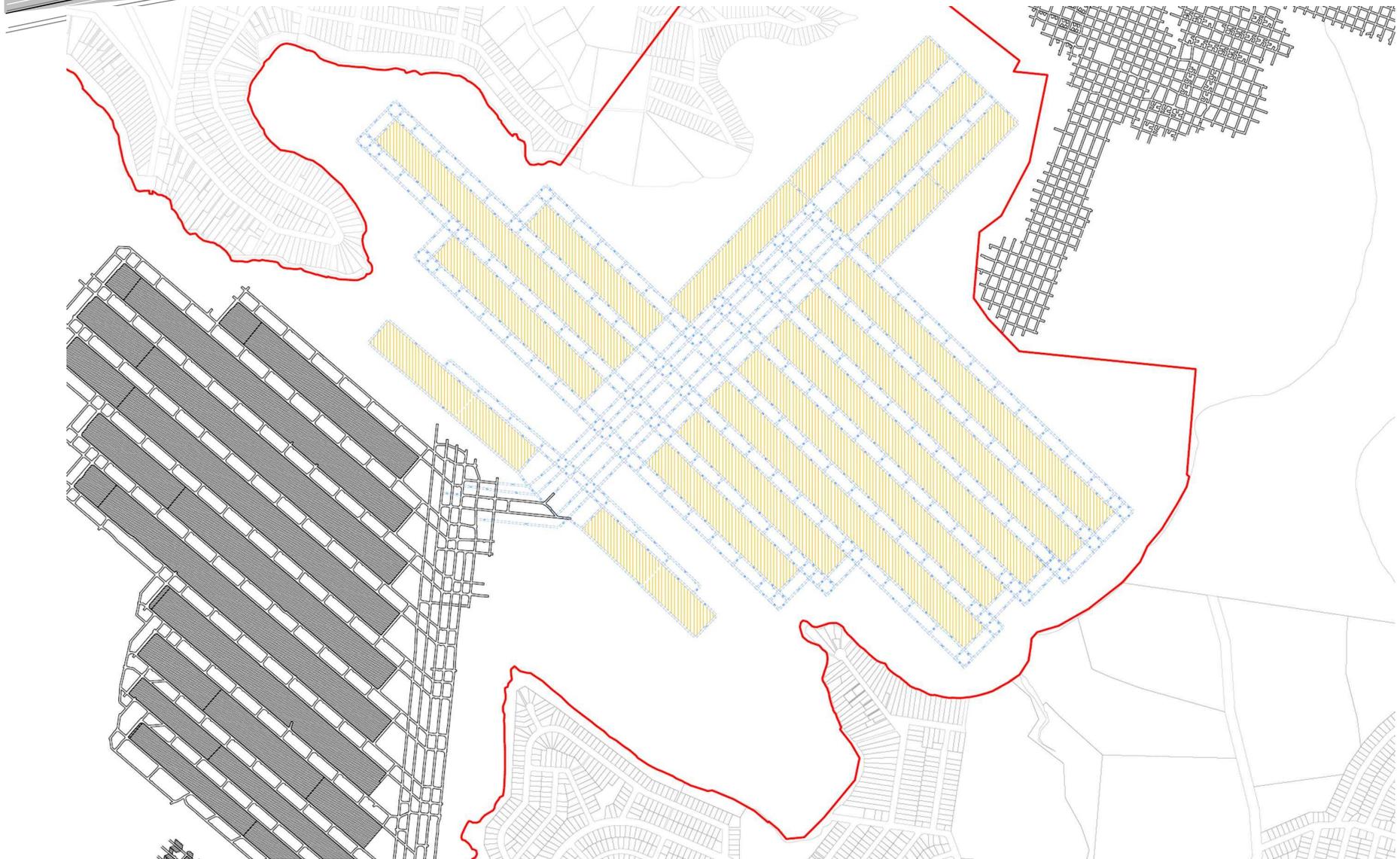
Chain Valley Bay Monitoring Lines



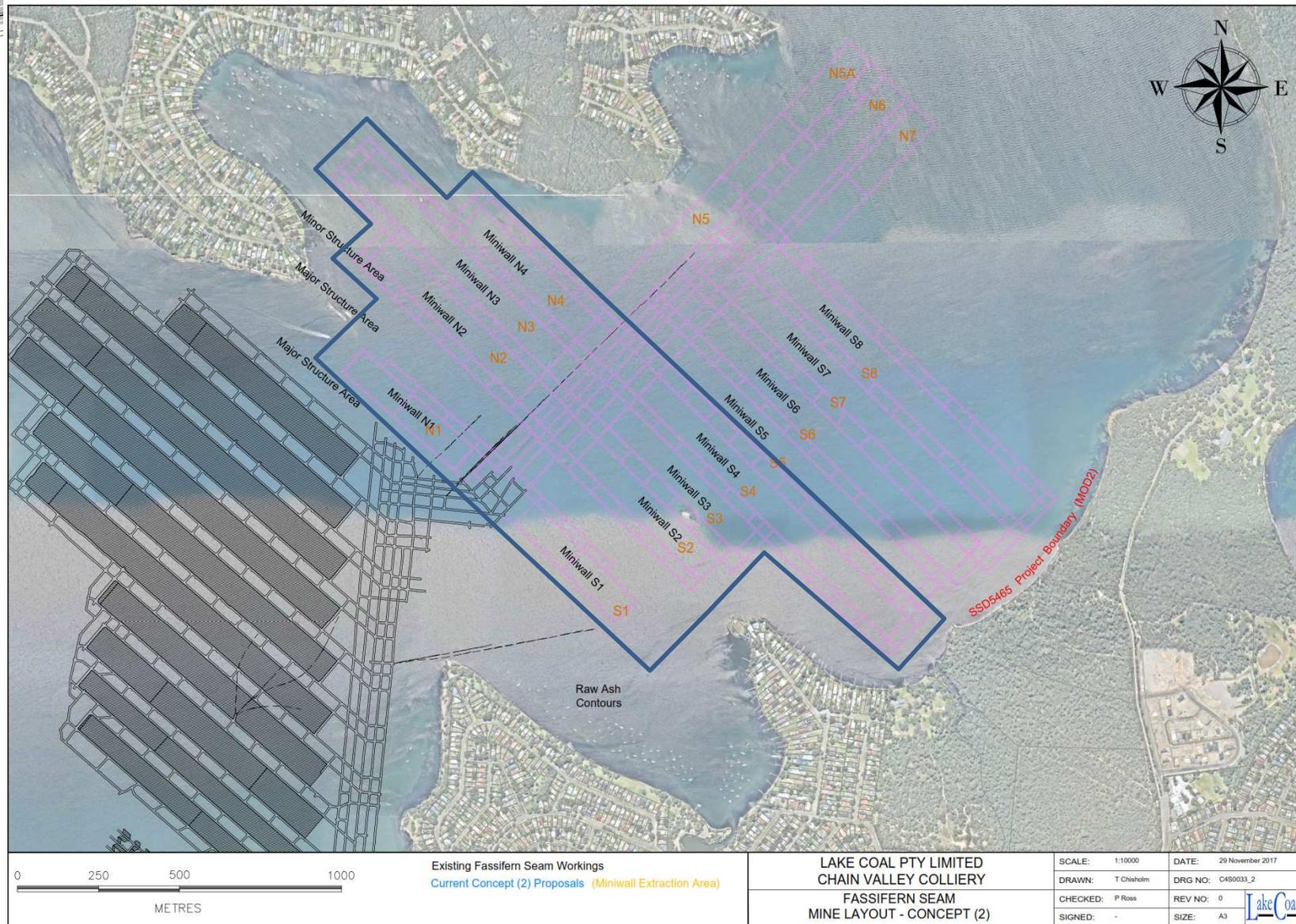
CVC Northern Mining Area Update

- LakeCoal is currently developing an Extraction Plan for the sites Northern Mining Area.
- The mine design and extraction plan is being developed taking into account CVC's existing mine design principles. LakeCoal has undertaken a detailed subsidence impact assessment for the area taking into account the learnings from the MW7-12 exceedance to ensure that the impact predictions are consistent with those predicted under SSD-5465. As a result LakeCoal has modified the design slightly to reduce impacts.
- LakeCoal is aiming to lodge the Extraction Plan by the end of February.
- Extraction is scheduled to commence in S1 in May 2018, following the completion of development activities.

Northern Mining Area Design



Northern Mining Area Design



Existing Fassifern Seam Workings
 Current Concept (2) Proposals (Miniwall Extraction Area)

LAKE COAL PTY LIMITED
 CHAIN VALLEY COLLIERY
 FASSIFERN SEAM
 MINE LAYOUT - CONCEPT (2)

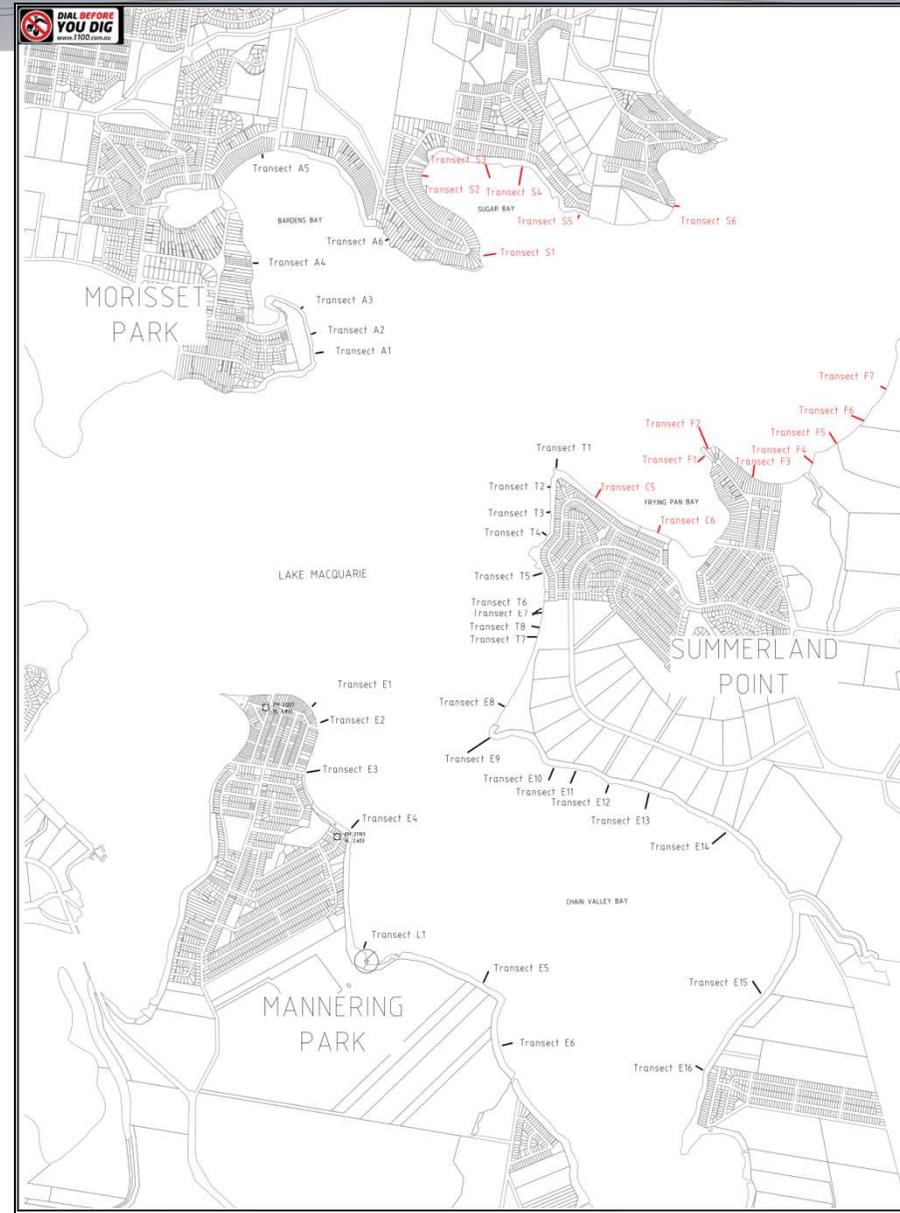
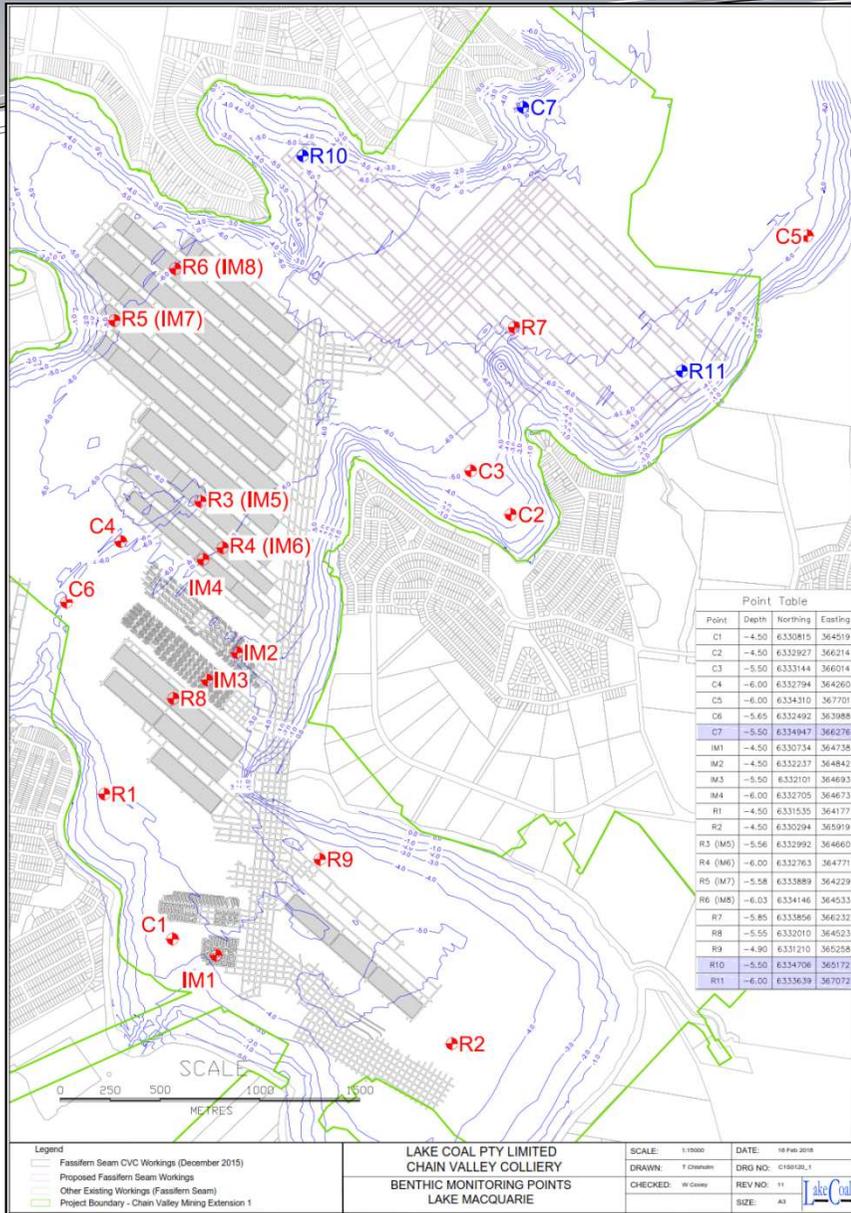
SCALE:	1:10000	DATE:	29 November 2017
DRAWN:	T Chisholm	DRG NO:	C490003_2
CHECKED:	P Ross	REV NO:	0
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Northern Mining Area – Extraction Plan

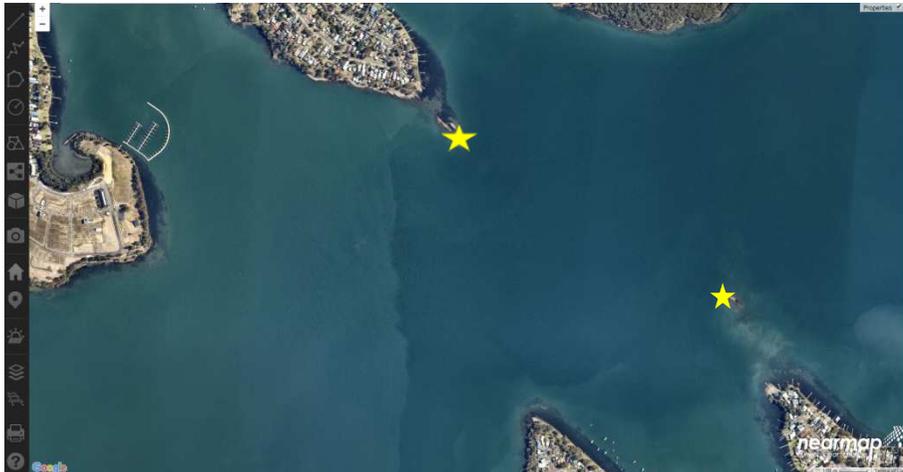
- As part of the development of the extraction plan LakeCoal has undertaken a detailed assessment of the following features/aspects:
 - Navigational markers/rock outcrops within the Lake, seagrass and benthic communities, foreshore monitoring, interaction with old workings (Summerland Point).
- LakeCoal has also updated its Seagrass and Benthic Communities Management Plans as part of the extraction plan development.
- LakeCoal has consulted RMS regarding the management of subsidence impacts to the navigational markers.
- Consultation with residents in foreshore areas adjacent the NMA is planned to be undertaken as part of the foreshore monitoring program. LakeCoal is hoping to install additional survey marks in this area over the next couple of months.

Northern Mining Area – Extraction Plan



Northern Mining Area – Extraction Plan

Navigational markers in the proposed NMA Extraction Plan Area.



CVC Haulage Activities

	REGISTER	REG D-17083
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- A total of 1.38Mt of coal was transported offsite in 2017.
- Coal haulage via trucks ceased in August 2017.

Chain Valley Colliery Coal Haulage Records

Tonnes Transported by Destination – 2017				
Month	Port of Newcastle (PWCS)	Vales Point Power Station	Other Domestic	Monthly Total
Jan-17	0	109,199	288	109,487
Feb-17	0	140,589	921	141,510
Mar-17	0	119,439	770	120,209
Apr-17	0	56,923	314	57,237
May-17	4113	140,237	404	144,754
Jun-17	953	136,913	468	138,334
Jul-17	0	121,783	0	121,783
Aug-17	0	91,359**	0	91,359
Sep-17	0	130,227	0	130,227
Oct-17	0	135,056	0	135,056
Nov-17	0	120,773	0	120,773
Dec-17	0	73,333	0	73,333
Destination Total (YTD tonnes)	5,066	1,375,831	3,165	1,384,062

Notes:

Values rounded to the nearest tonne.

All transport to Vales Point Power Station undertaken on private roads only.

** Trucking from CVC ceased in August following commissioning of the Overland Conveyor to VPPS

CVC Monitoring Results – Water

Water Quality Results – 2018

	Licensed Discharge Point (D13)											
	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	July-18	Aug-18	Sept-18	Oct-18	Nov-18	Dec-18
pH	7.73											
Conductance	31900											
Total Solids	19											
Faecal Coliforms	11											

There have been no exceedances of water quality criteria at the licenced discharge point since the last meeting.

MC Monitoring Results – Water

Mannering LDP001

2018	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Oil & Grease	<5											
TSS	3											
pH	7.9											

There have been no exceedances of water quality criteria at the Mannering licenced discharge point since the last meeting.

CVC Monitoring – Noise

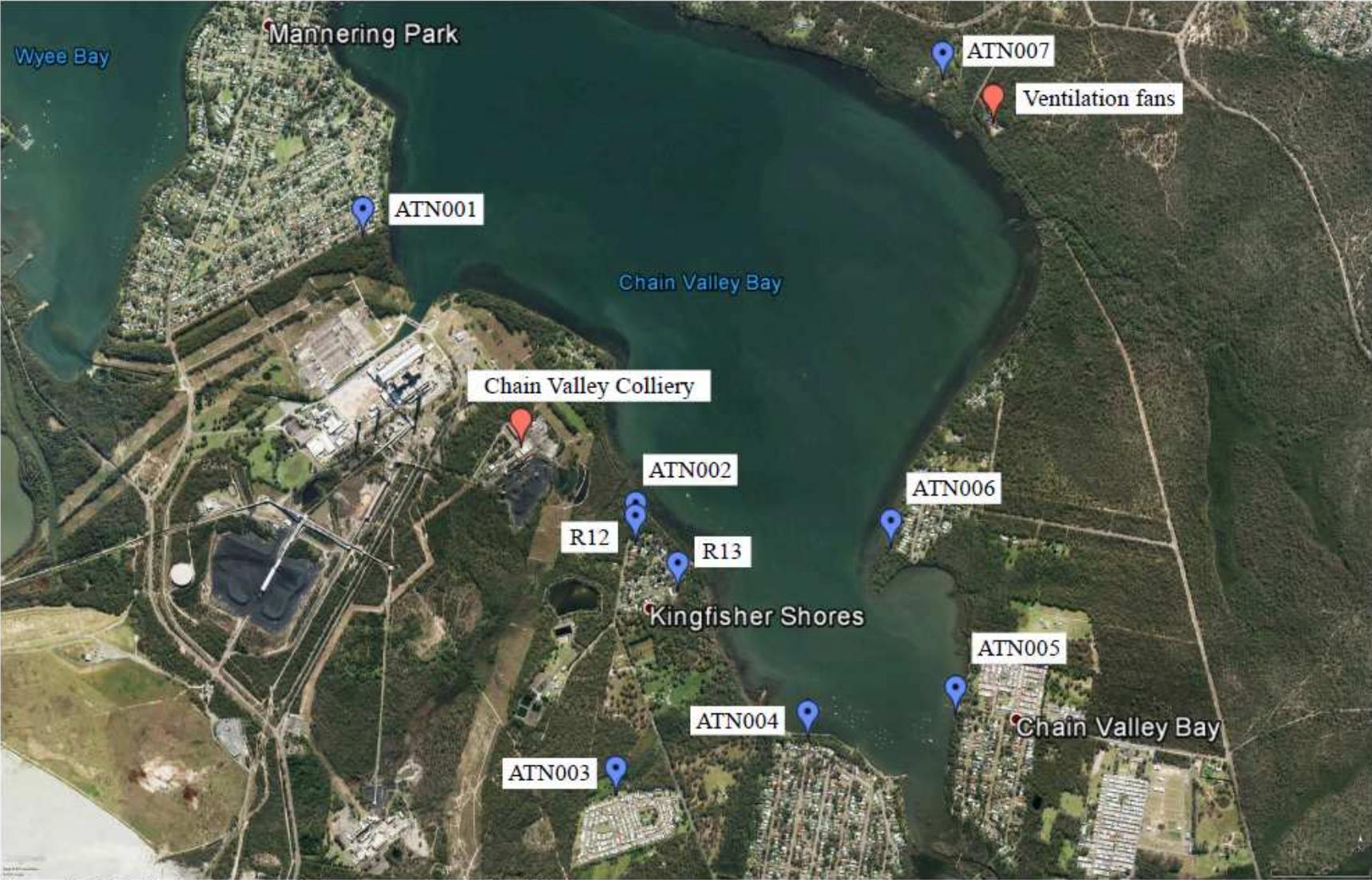


Figure 1.1: Monitoring Locations(Map source Google Earth)

Mannering Noise Monitoring

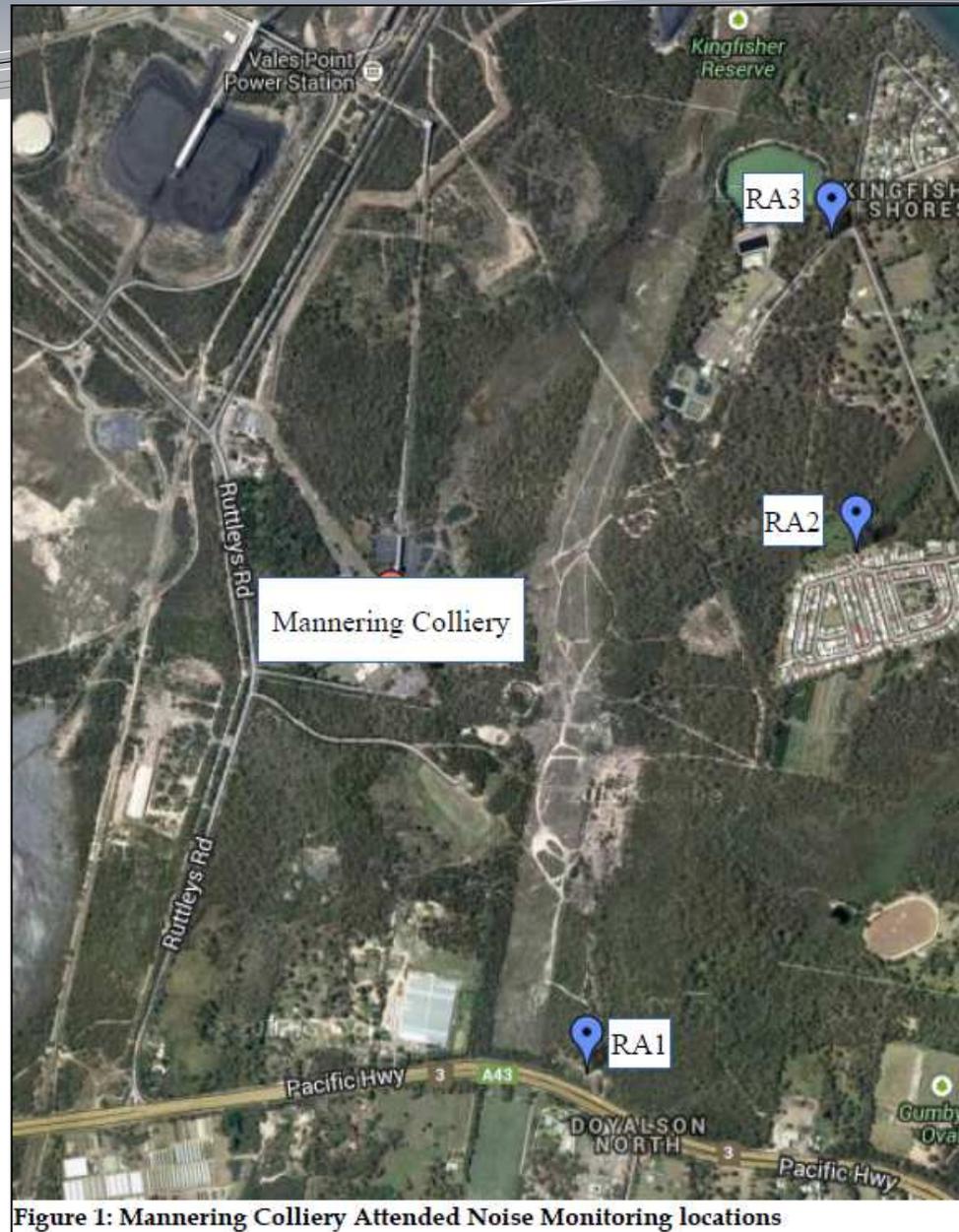


Figure 1: Mannering Colliery Attended Noise Monitoring locations

Noise Monitoring Results

Chain Valley Colliery:

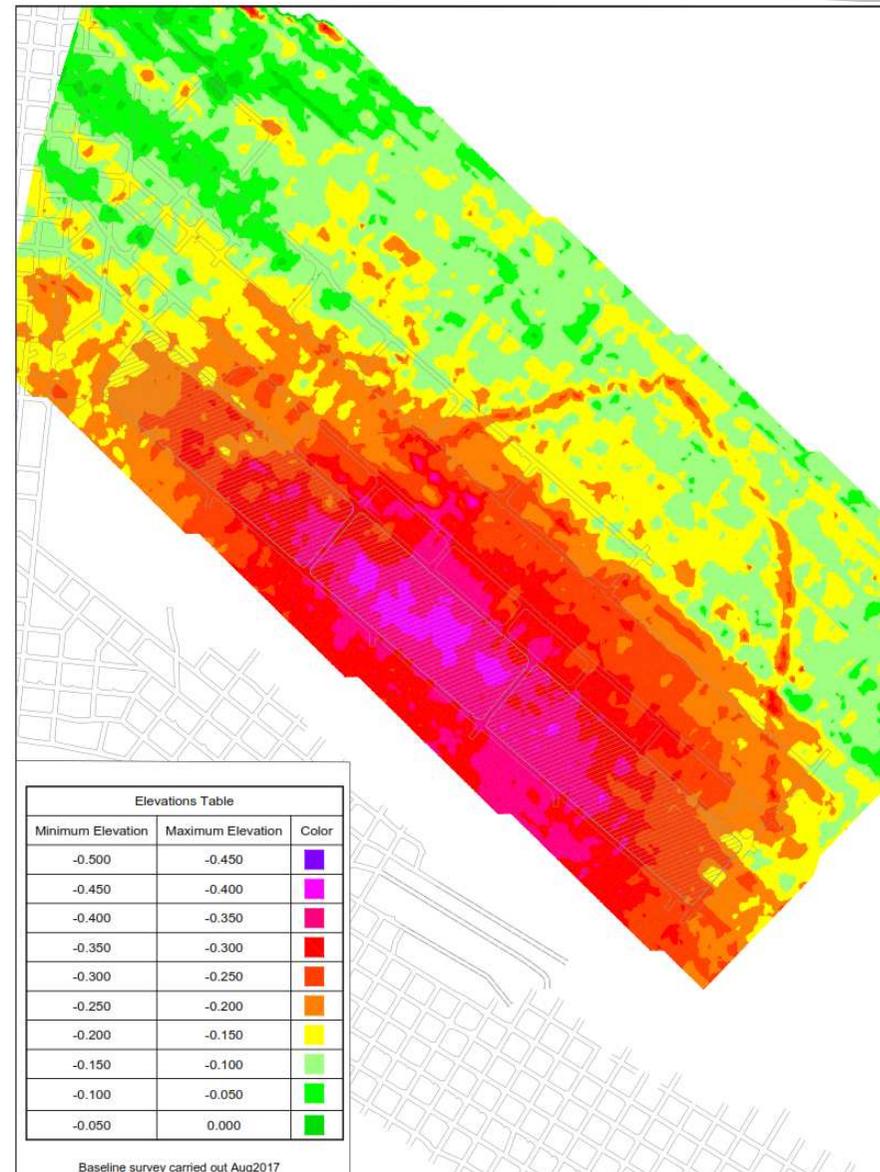
- The next round of monitoring for CVC is scheduled for March 2018.

Mannering Colliery:

- There have been no exceedances of Mannering's noise criteria since the last meeting.

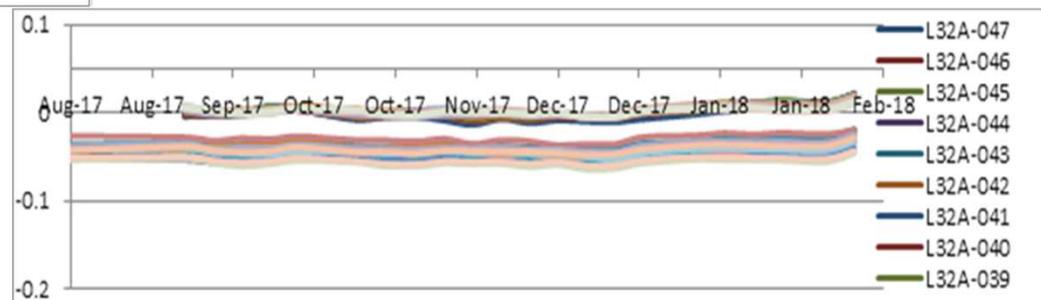
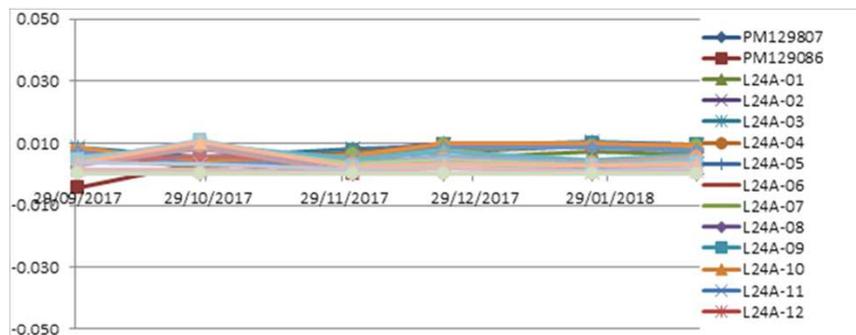
Chain Valley Subsidence Monitoring Program

- Latest Bathymetric Survey undertaken over the Chain Valley Bay area in January. Survey has confirmed subsidence is developing within the levels predicted.
- The next Bathymetric survey across all areas is scheduled for March 2018.



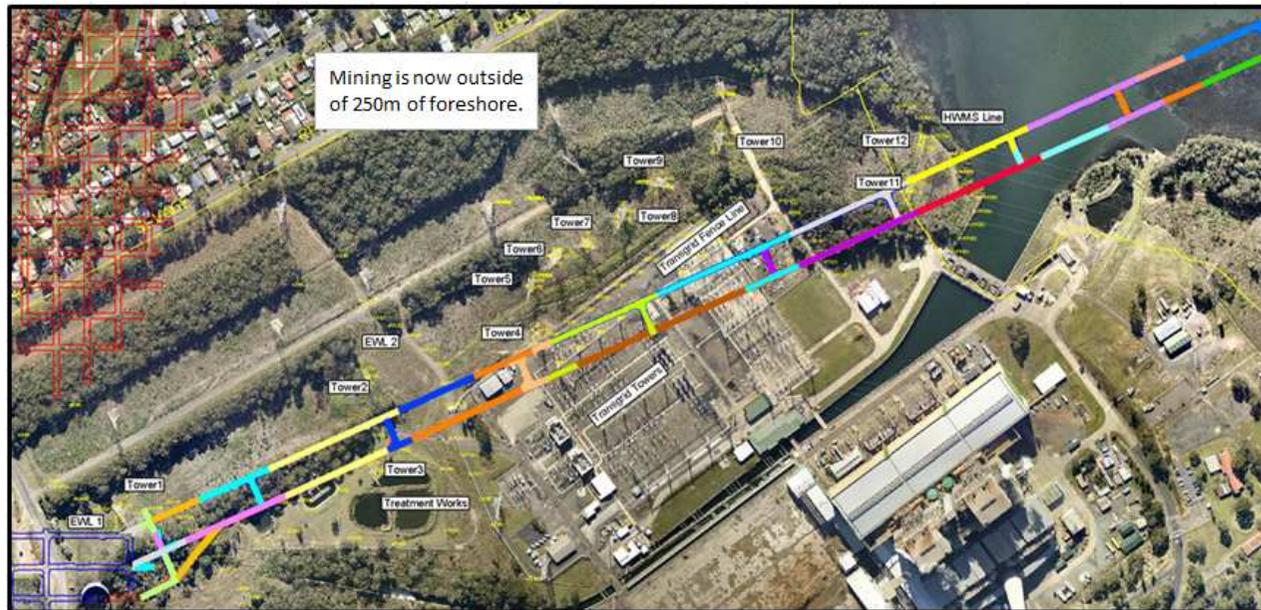
Foreshore Subsidence Monitoring Program

- No changes noted along foreshore areas during visual surveys
- No exceedances or abnormal mining related impacts along Summerland Point, Chain Valley Bay or Kingfisher Shores.
- LakeCoal is proposing to expand its foreshore monitoring stations along Frying Pan Bay, Point Wolstencroft and Sugar Bay.

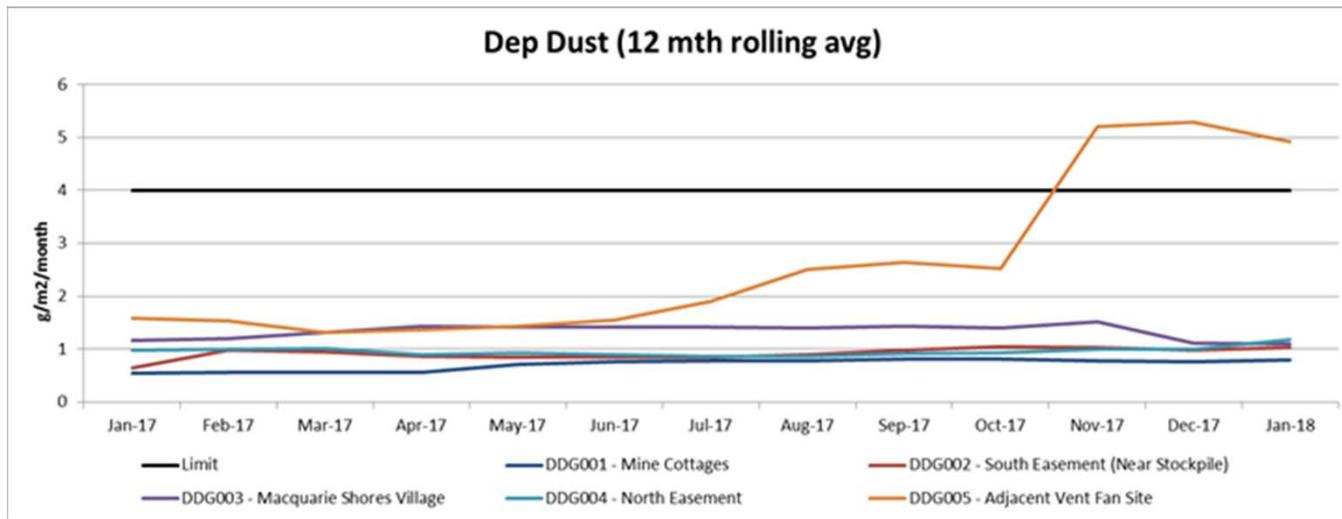


MC Subsidence Monitoring Program

- Negligible subsidence recorded as a result of Mannering's underground drivage as expected/predicted.
- Frequency of subsidence surveys now 6 monthly.
- Consultation being undertaken with VPPS and Wyong Water

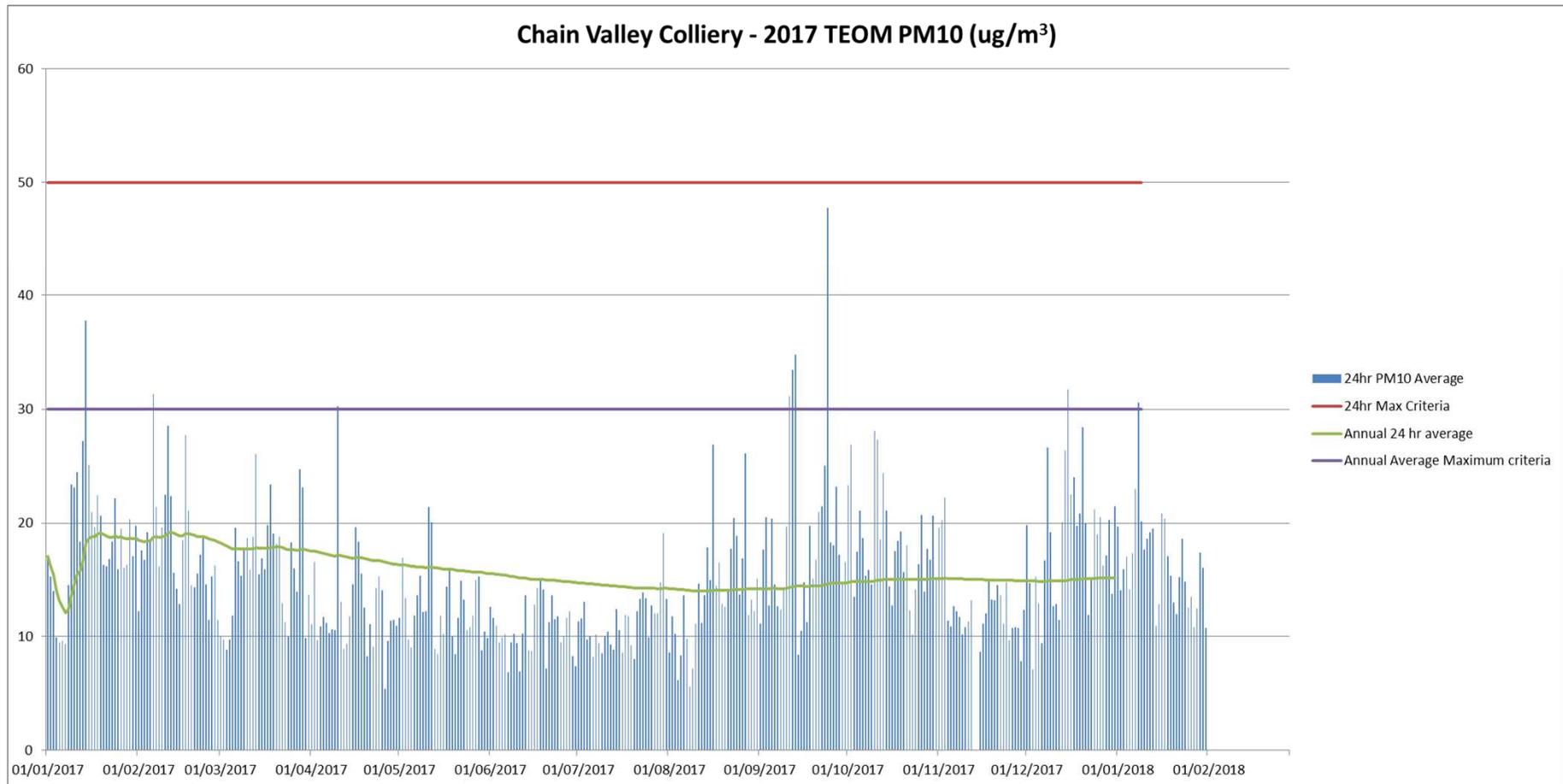


CVC – Air Quality Results



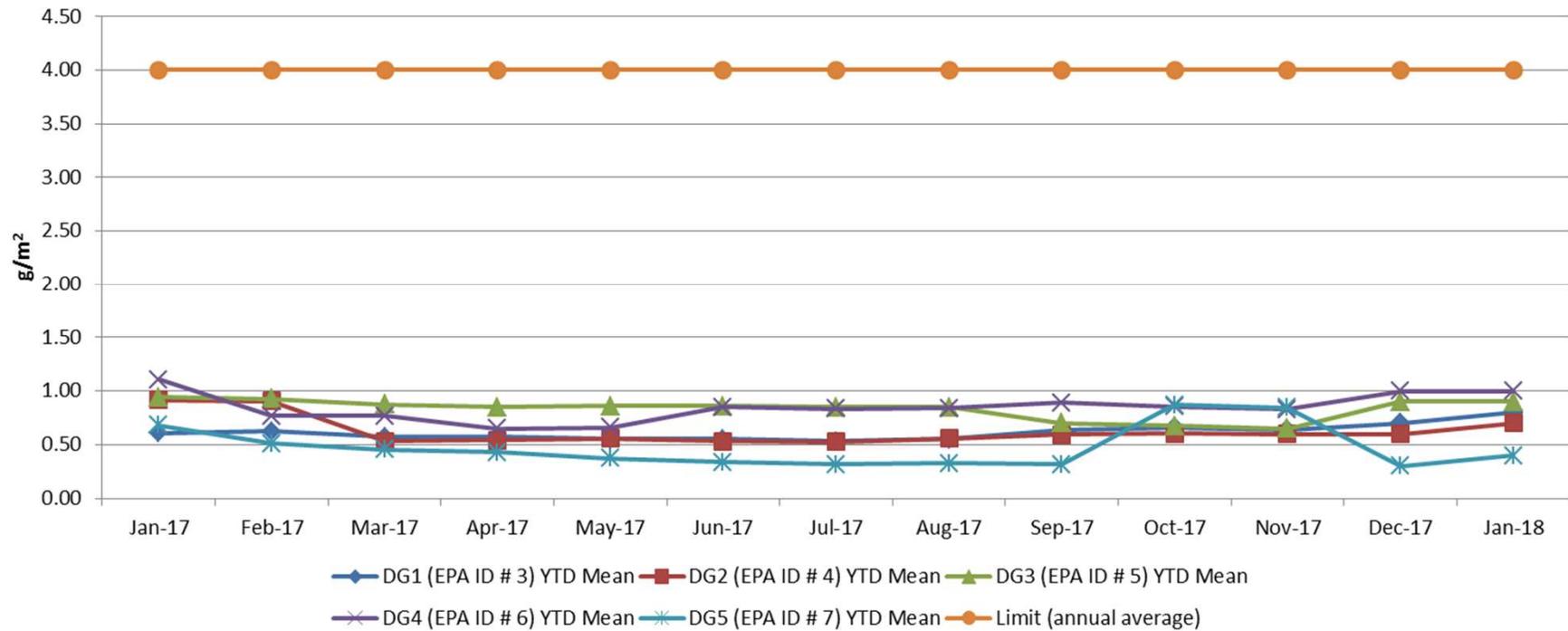
- LakeCoal organised an independent audit of DDG005 at Summerland Point to be undertaken in January. The audit has confirmed that the gauge is subject to external influences from localised civil works in the vicinity of the gauge. LakeCoal is planning on consulting with the EPA to relocate the gauge to a more suitable location

CVC Monitoring Results – Air Quality



MC Monitoring Results – Air Quality

Yearly Rolling Average Depositional Dust Data



Environmental Incidents

- No externally reportable environmental incidents since the last meeting.

Date	Site	Incident Description	Actions Taken / Comments
n/a	n/a	n/a	n/a

Complaints

- There have been no community complaints since the last meeting

Environmental Approvals Update

- Short / Medium term approvals

- LakeCoal has submitted an approval modification at Mannering Colliery to increase the coal handling volume at the site from 1.3Mt per annum to 2.1Mt. The increase will allow LakeCoal to provide additional coal to the power station via conveyor to meet contractual requirements and will result in a net reduction of trucking movements on internal roads (as trucks currently run from CVC Pit Top). Currently working through the application with the Department.
- LakeCoal has also submitted a minor approval modification to the CVC development consent to allow for the loading and transport of export coal directly from the VPPS stockpiles. While the increased handling at Mannering Colliery to 2.1Mt will allow for the domestic contract to the power station to be fulfilled, it will also allow for additional coal to be provided to the power station or sent to the export market. Currently working through the application with the Department.

Environmental Approvals Update

- Short / Medium term approvals

- LakeCoal is still consulting with VPPS on the logistics associated with haulage of export coal from their stockpiles. LakeCoal is currently working through the proposed transport options with VPPS and will report any proposed changes at the next meeting. Export haulage from VPPS is not scheduled until mid to late 2018 at this stage.
- LakeCoal has recently received DA approval from Central Coast Council for the installation of a portable demountable at CVC which will be used as a central control room. The building will be located adjacent the existing workshop and will be a central communications and monitoring area for both CVC and Mannering.

Environmental Approvals Update

- Short / Medium term approvals

- LakeCoal is awaiting internal capital approval for the installation of a flaring unit to be installed at the old Newvale Site. Gas from the old underground site is currently transferred to the power station via an existing pipeline. The installation of the flaring unit will reduce the greenhouse emissions from the site and will improve safety in the area as the gas will be directed through a secured and controlled containerised system. It is likely that this approval will be a DA through Central Coast Council. A DA application will be prepared if internal approval is granted.

Environmental Approvals Update

- Short / Medium term approvals
 - LakeCoal has progressed planning with an Energy Consultant (Our Energy Group) and has confirmed the feasibility of further gas abatement strategies/projects across LakeCoal's operation to try and reduce the operations greenhouse gas emissions. LakeCoal is currently reviewing these projects commercially and will commence the process of obtaining approvals through either DP&E or the local Council if these projects are accepted by LakeCoal's shareholders.

Environmental Approvals

Longer term approvals

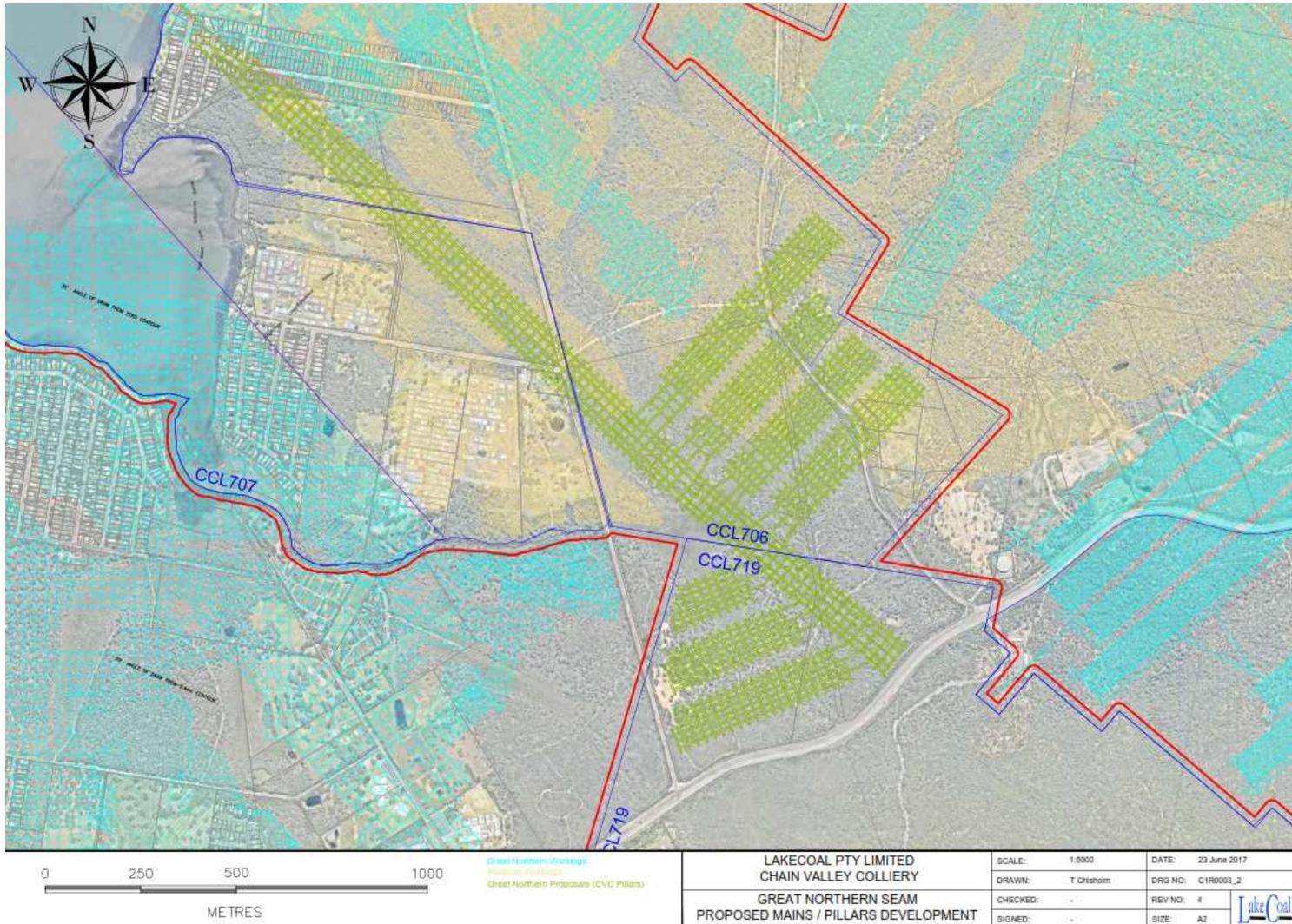
- GNS First Workings Project- LakeCoal has commenced the assessment process for the extraction of Great Northern Seam coal via first workings only within CCL706 (Refer to the tabled plan). This project has become a viable option due to the improving coal export market. LakeCoal is planning on undertaking some surveys over this area in the coming months. We will be approaching relevant landowners for access.
- A preliminary mine plan has been developed to minimise environmental and community impacts particularly in the residential areas. The mine plan design will be reviewed following the completion of the subsidence assessment of the area which is expected in Q2 2018.

Environmental Approvals

Longer term approvals

- The extraction of coal from the great northern seam would be conveyed to the surface at Chain Valley Colliery for supply to either the domestic or export market via trucks. Current modelling is indicating that an increase to CVC's production may be required as a result of this project.

Environmental Approvals

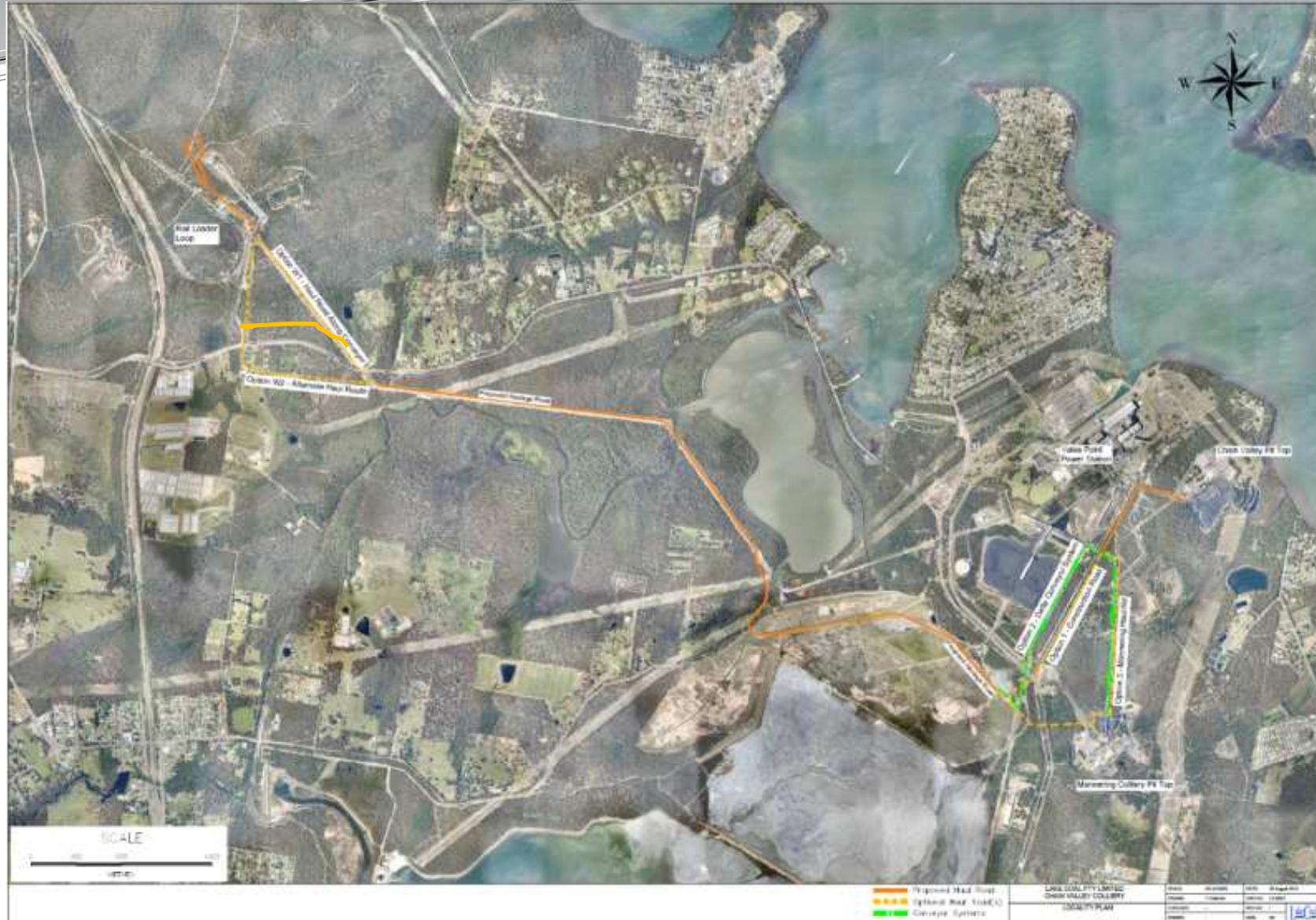


Environmental Approvals

Longer term approvals

- Rail loader Project / future mining areas - The LakeCoal Board is committed to progressing the Rail Loader Project approval to meet the operations long term business requirements and the operations goal of removing trucks from the public road network. While the project is still conceptual at this stage LakeCoal has setup a working group to assist with defining the project scope for this approval which is expected to be finalised in Q2 2018. A more detailed update on this project will be provided once the project description has been defined.
- LakeCoal is planning on commencing an early works program over its exploration lease in the Moonee Area and CCL719 in the next few months after consultation with both OEH and the DP&E. The program will involve assessment of potential groundwater monitoring locations and general biodiversity surveys across the lease area.

Rail Loop Project – Concept



Audits/Reporting

- No external audits since the last meeting.
- Collation of monthly website reports in accordance with EPL requirements.
- Commenced the collation of the sites Annual Environmental Management Reports for the 2017 period. Due to be submitted by 30 March 2018.
- Currently collating the Mannering Colliery Annual Return for the environmental protection licence.

LakeCoal Environmental Projects

Noise Mitigation Options Assessment (Mannering)

- 5 rounds of monitoring now undertaken across the site since the site was commissioned.
- While the monitoring has not identified any exceedances of noise criteria at Mannering, the monitoring has identified the sites rotary breaker as the primary source of noise generation from the site. LakeCoal has completed the repairs to the rotary breaker since the last meeting and is currently assessing further mitigation options for the rotary breaker.

Real Time Noise Monitor

- LakeCoal is looking to relocate the existing real time noise monitor from the CVC Cottages to an area adjacent Wyong WWTP to assist with the proactive management of noise from site operations. Currently working with Central Coast Council to determine the most suitable location.

LakeCoal Environmental Projects

Dust suppression trial - CVC

- Trial has been postponed till Spring 2018.

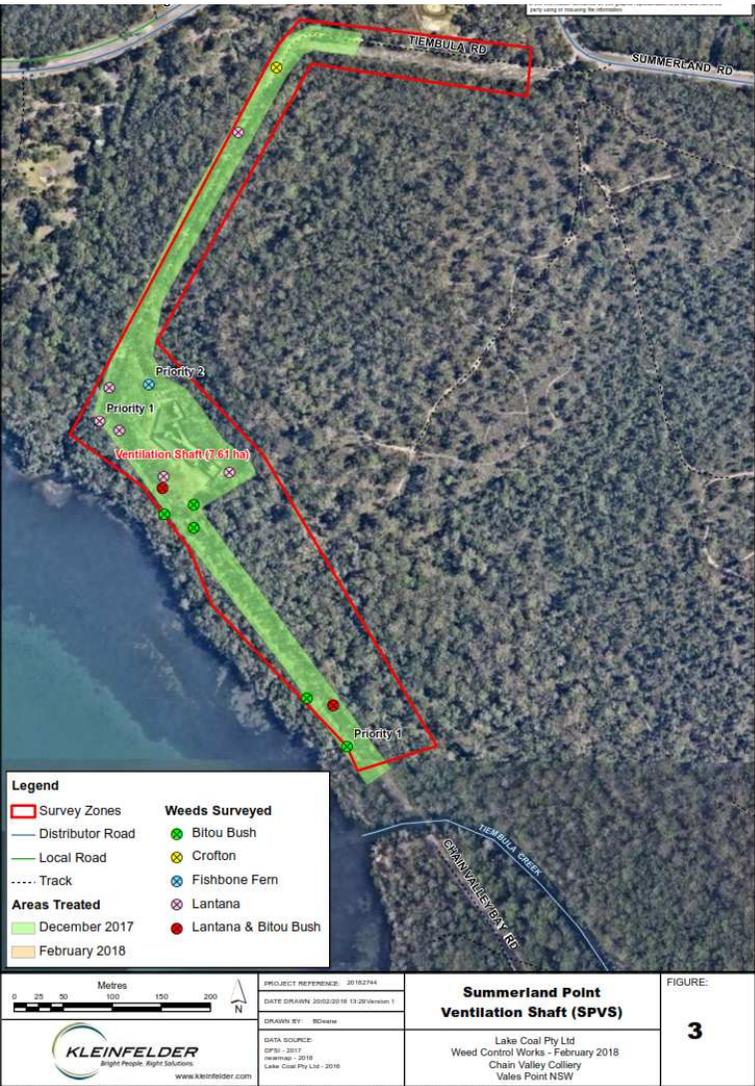
Rising Sewer Main

- REF completed for the rising main project. Identified a threatened orchid species in the affectation zone. An orchid specialist has undertaken a further assessment within the project area and has recommended some slight design changes to the proposed route. Hoping to submit the revised design to Council in the coming months.

Weed Action Plan

- Implementation of the LakeCoal Weed Action Plan has been significantly progressed since the last meeting. LakeCoal's land/weed management contractor has undertaken extensive targeted weed spraying across both Mannering and Chain Valley Colliery. Key species being targeted include Pampass Grass, Lantana, Bitou Bush, Oleander, Croften Weed and Castor Oil.





LakeCoal Environmental Projects

Real Time Subsidence Monitoring – Chain Valley Bay

- Following a request from DRE LakeCoal has committed to installing real time subsidence monitoring stations in Chain Valley Bay. The stations are as tilt meters which communicate remotely via next G signal to website repository.
- The units are quite small and will be mounted on star pickets within the OEH managed land.
- LakeCoal is currently working through some licencing issues with OEH and Central Coast Council for the installation of the units. The units are required to be in and operational prior to the commencement of CVB2 in Chain Valley Bay.



Community Projects

- Sponsorship of the LakeCoal Environmental Award at the Mannering Park Public School Annual Awards Ceremony.
- Sponsorship of the Mannering Park Public School fete.
- Donation to the CHB Surf Club to provide meals and drinks to volunteer surf savers over the Summer swim season.
- Silver sponsor of the 2017 Swansea Carols



General Business

- Catherine Hill Bay Jetty – LakeCoal have received a preliminary report from an external engineering company regarding the required refurbishment works associated with the CHB Jetty structure for an adaptive reuse as well as the costs and methods associated with dismantling of the structure. LakeCoal is currently assessing the outcomes from the report and will be consulting with relevant stakeholders in Q2 2018.
- LakeCoal is committed to moving forward with obtaining all required approvals to remove the Jetty in accordance with its mining tenement conditions. If another party is willing to take on the ownership of the Jetty and has a valid alternative reuse option which is supported by the relevant stakeholders LakeCoal would support the concept.

Questions

Questions?