

**MOOLARBEN COAL OPERATIONS - COMMUNITY CONSULTATIVE COMMITTEE MEETING
No. 52**

Date: Tuesday 17 March 2020
Time: 4:04pm
Location: Moolarben
Attendance: Independent Chairperson
Lisa Andrews (LA)

Community Members

Andrew Palmer (AP)
Helen Ungaro (HU)
Aleisha Lonsdale (AL)
David Stokes (DS)

Moolarben Coal Operations

Graham Chase (GC)
Steve Archinal (SA)
Trent Cini (TC)
Mathew Croake (MC) *{Minute taker}*

Apologies

Bev Smiles (BS)
Dr Julia Imrie (JI) *[due to COVID-19 government directive to only attend essential meetings]* Cr
John O'Neil (JO)
Cr Des Kennedy (DK)

A hard copy of the Agenda and Meeting 52 Presentation was provided to all meeting attendees.

1. Introduction and Welcome

Lisa Andrews (LA) opened the meeting and welcomed all attendees to the Moolarben Coal Operations (MCO) CCC.

2. Apologies

Bev Smiles (BS)
Julia Imrie (JI)
Cr John O'Neil (JO)
Cr Des Kennedy (DK)

3. Business Arising from Previous Finalised Minutes

Action 1: In consultation with the EPA regarding the IWQS regarding monitoring locations and scope.

Action 2: No further update on Drip Deed.

There was no business arising from Meeting 51.

4. Declarations

LA advised that there has been no changes to her previous declarations, approved Independent Chairperson with DPIE and engaged by Yancoal to chair this meeting.

No changes to members' previous declarations.

5. Correspondence Report

Correspondence to the CCC since meeting 51 included the following:

- 5/12/19 – Draft minutes sent to CCC members for review.
- 13/12/19 – Finalised minutes sent to CCC members.
- 7/2/20 – Email to CCC members advising that Moolarben UG4 Ancillary Works Modification EPBC Referral is open for public comment. Link provided.
- 3/3/20 – Email to members with the Meeting Notice & Agenda for this meeting with Correspondence Report.
- 7/3/20 – *Email from JI with request for information to be provided at this CCC. (Forwarded through to Moolarben Coal for action.)
- 14/3/20 – Email to members with a reminder for this meeting.

Jl's questions (moved to General Business for response by MCO):

- *1. When will MCO Annual Review for 2019 be available?
2. Update of progress RE: University Of Queensland independent WQ Study - TOR or scope? 3. Request following groundwater data SWLs (Triassic, Permian) & WQ data (if sampled) Dec 2019 + Jan/Feb 2020 for following monitoring piezometers.
PZ129, PZ128, PZ105, PZ102A, B, PZ 103A, B
PZ179, PZ191, 192, 193, 194 & 195
4. What was the groundwater make from UG1 to Jan 2020 plus post rains (ie most current water make).
5. Was there any groundwater extraction from water supply bores (Northern) or offsite discharge of excess water?

6. *Downstream landholders would like to be advised by MCO when mine water releases occur on the day of discharge.*

7. *Has the Drip walking track area been transferred into SCA?*

9. *After recent erosion event down Bobadeen Creek and loss of foot bridge would MCO consider installing conservation works (e.g. batter banks+ riparian plantings) along Bobadeen creek on Bobadeen Station to help to stabilise banks and reduce turbidity levels downstream*

6. Project Update – questions were asked and answered throughout the presentation

GC provided an update on the community Support Program (CSP) including events and initiatives supported by MCO, along with upcoming events MCO are also supporting. AP asked if the Mudgee Museum had placed an application for the 2020 CSP, GC confirmed they had applied, however, were unsuccessful.

TC provided an operational update. DS asked why MCO were updating Environmental Management Plans. TC confirmed MCO undertake reviews annually and update the MOP to include the approved Environmental Management Plans.

TC provided an exploration update.

TC provided an update on environmental monitoring including water quality, air quality, noise and complaints. General discussion of water quality and level monitoring results, Rainfall Cumulative Deficit (RCD), operations and climatic conditions.

GC provided an employment update. AP asked how long the duration of the Skillset Land Management traineeships were. TC advised the duration of each traineeship can be different depending on training level and could be 18 months.

GC provided update on the UG4 Ancillary Works Modification

7. General Business

- IWQS Update – MCO are currently consulting with the EPA regarding the study scope and monitoring location.
- Drip deed – No update from last meeting.

Response to questions submitted by Dr Julia Imrie (see correspondence report):

1. *When will MCO Annual Review for 2019 be available?*
The Annual Review will be published following approval from DPIE.
2. *Update of progress RE: University Of Queensland Independent WQ Study- TOR or scope?*
MCO is consulting with the EPA regarding the study scope and monitoring location.
3. *Request following groundwater data for SWLs (Triassic, Permian) & WQ data (if sampled) Dec 2019 + Jan/Feb 2020 for following monitoring piezometers: PZ129, PZ128, PZ105, PZ102A, B, PZ 103A, B, PZ179, PZ191, 192,193,194 & 195:*
The data request will be provided to the chair for distribution.
4. *What was the groundwater make from UG1 to Jan 2020 plus post rains (ie most current water make).*

UG1 dewatering is currently around 70lps, including water supply, inflows and recirculation.

5. *Was there any groundwater extraction from water supply bores (Northern) or offsite discharge of excess water?*

No recent extraction from the northern borefield.

6. *Downstream landholders would like to be advised by MCO when mine water releases occur on the day of discharge.*

MCO will advise the CCC when MCO is in a position to commence prior to water releases.

7. *Has the Drip walking track area been transferred into SCA?*

The walking track is maintained by NPWS within the State Conservation Area, within a NPWS easement.

8. *After recent erosion event down Bobadeen Creek and loss of foot bridge would MCO consider installing conservation works (e.g. batter banks+ riparian plantings) along Bobadeen creek on*

Bobadeen Station to help to stabilise banks and reduce turbidity levels downstream

A portion of the Bobadeen Creek is within the Bobadeen Offsets. Planting out and exclusion of stock will continue to be undertaken in the Bobadeen offsets. Approximately 2000 trees have been planted adjacent to Bobadeen Creek to date. The Bobadeen Offset will be progressively planted out including the riparian zones.

AP asked if MCO is currently being impacted by the Corona Virus (COVID19). SA confirmed MCO is proactively managing the impact of the COVID19 virus with site and corporate procedures. AP asked if there has been any impact on the shipping of MCO's coal. SA confirmed he was not aware of any impacts on the shipping of MCO's coal at this stage. DS discussed the use of NSW Health advice for managing the COVID19 virus at MCO. SA confirmed MCO would consider advice from NSW Health and other health authorities.

8. Next Meeting

- Tuesday 2 June 2020 on site at 4pm.

Meeting closed at 4:35pm with LA thanking all members for their attendance.

Nil Action Items.

Community Consultative Committee Update

March 2020

Environment & Community Dept
Moolarben Coal Operations



Community Support Program (CSP)

- 33 Successful applicants for the 2020 CSP
- The 2020 CSP will support program across 5 categories including:
 - Health
 - Social & Community
 - Culture & Arts
 - Environment
 - Education & Training
- CSP events in 2020 thus far include:
 - Moolarben Coal Celebrity Golf Classic
 - Regional Shows (Rylstone, Gulgong & Mudgee)
 - Max Potential
 - Mudgee Men's Shed Gym
 - Little Flippers Learn to Swim program



Community Support Program (CSP)

Upcoming Community Support Events & Initiatives

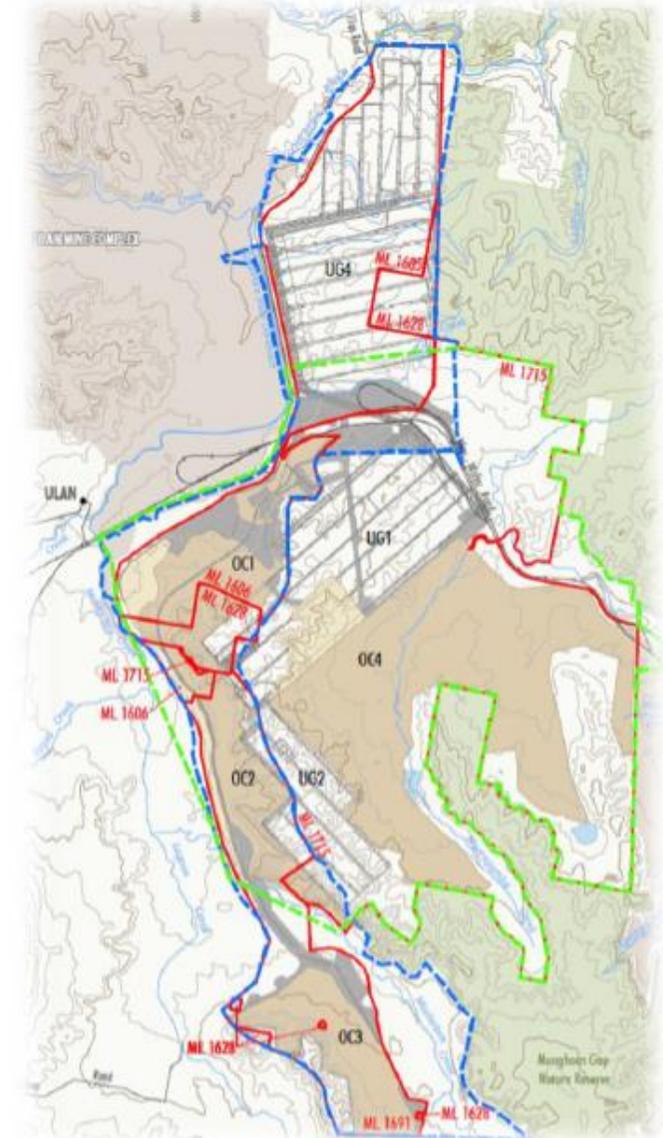
- The Business Concierge – Survivor Lifeskills
- World War II Plaque restoration Mudgee Town clock
- New trail cameras for Hargraves / Hill End Pest group
- A defibrillator for Mudgee Junior League

Applications for the 2020 Community Support Program are closed. Applications for the 2021 Community Support Program will be open in **September 2020**.



Operational Update

- Operations continue in OC2 & OC4.
- Longwall LW103 extraction continuing.
- UG development continues.
- Construction of Water Treatment Plant and water storages ongoing.
- OC3 commencing
- Revising EMPs and UG1 Extraction Plan.



Exploration Update

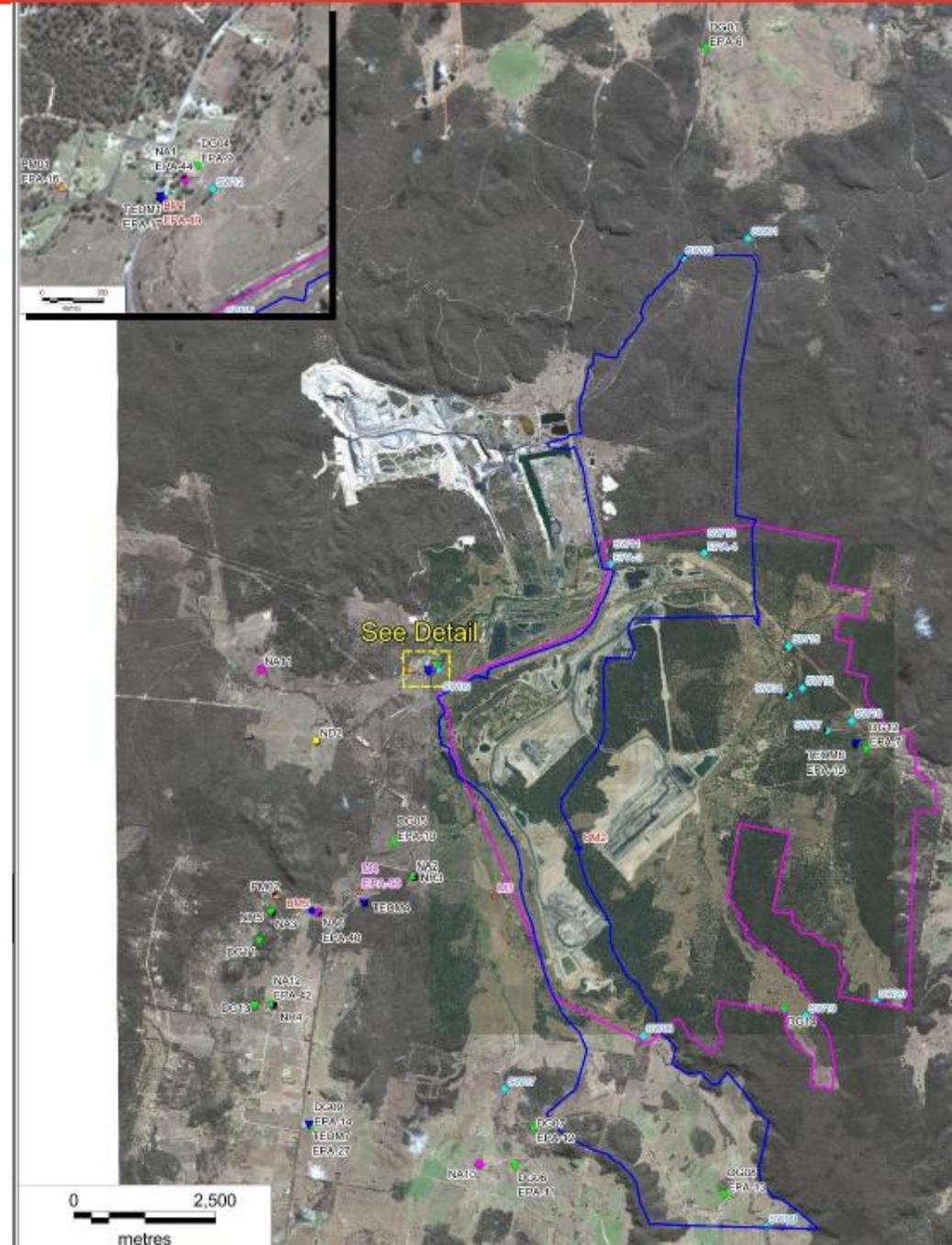
- Resource definition continued in OC4 area.
- Exploration site rehabilitation and relinquishment continues.
- Rehabilitation and monitoring activities have continued during the period.



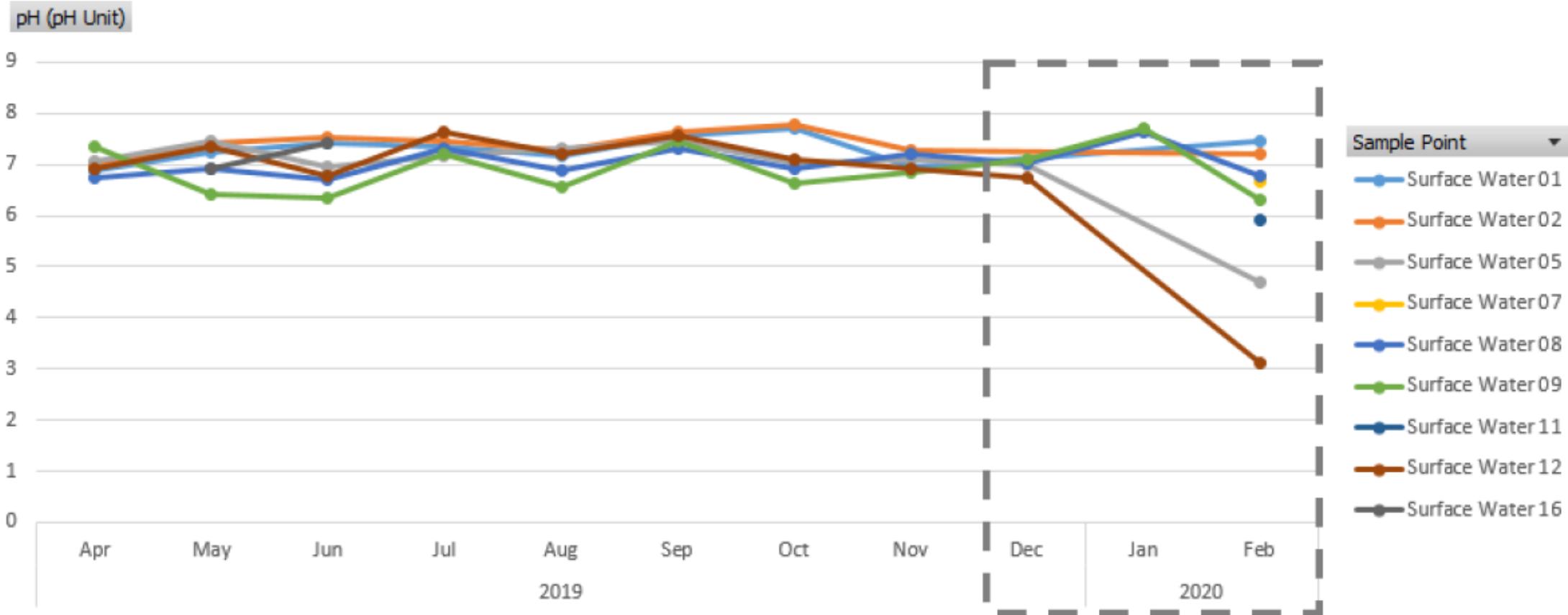
Environmental Monitoring

Monitoring network

- Water;
- Air Quality;
- Blasting;
- Noise;
- Meteorology.

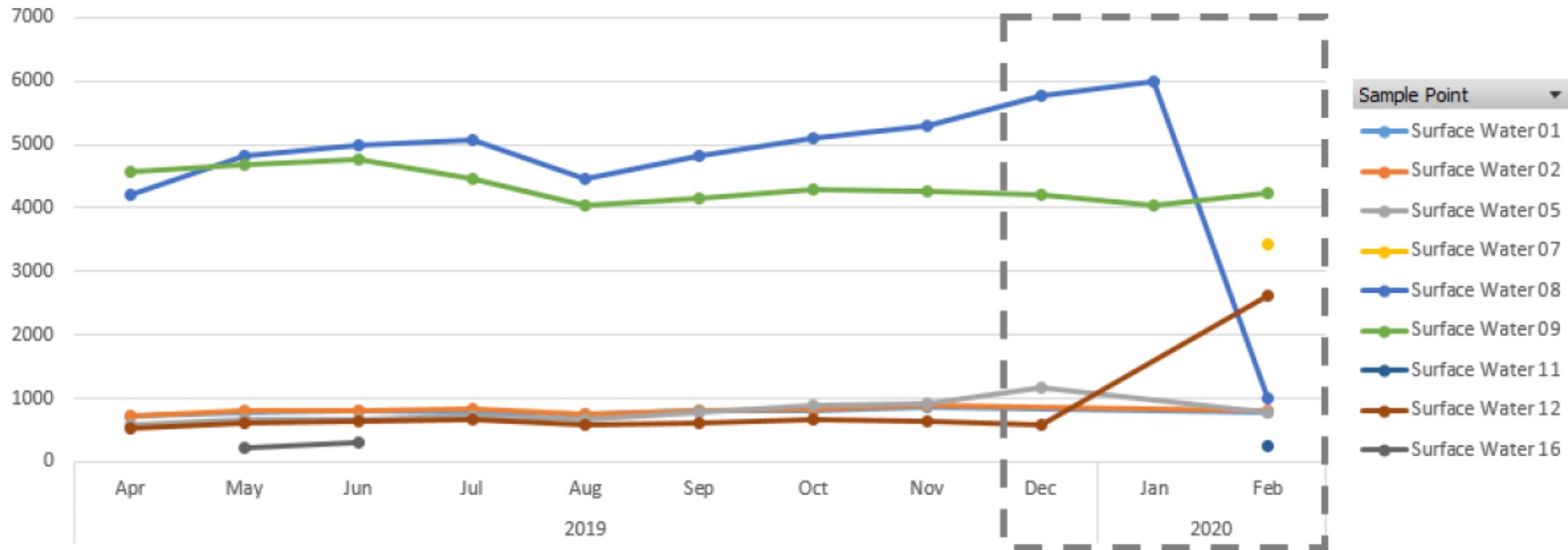


Water Quality - pH

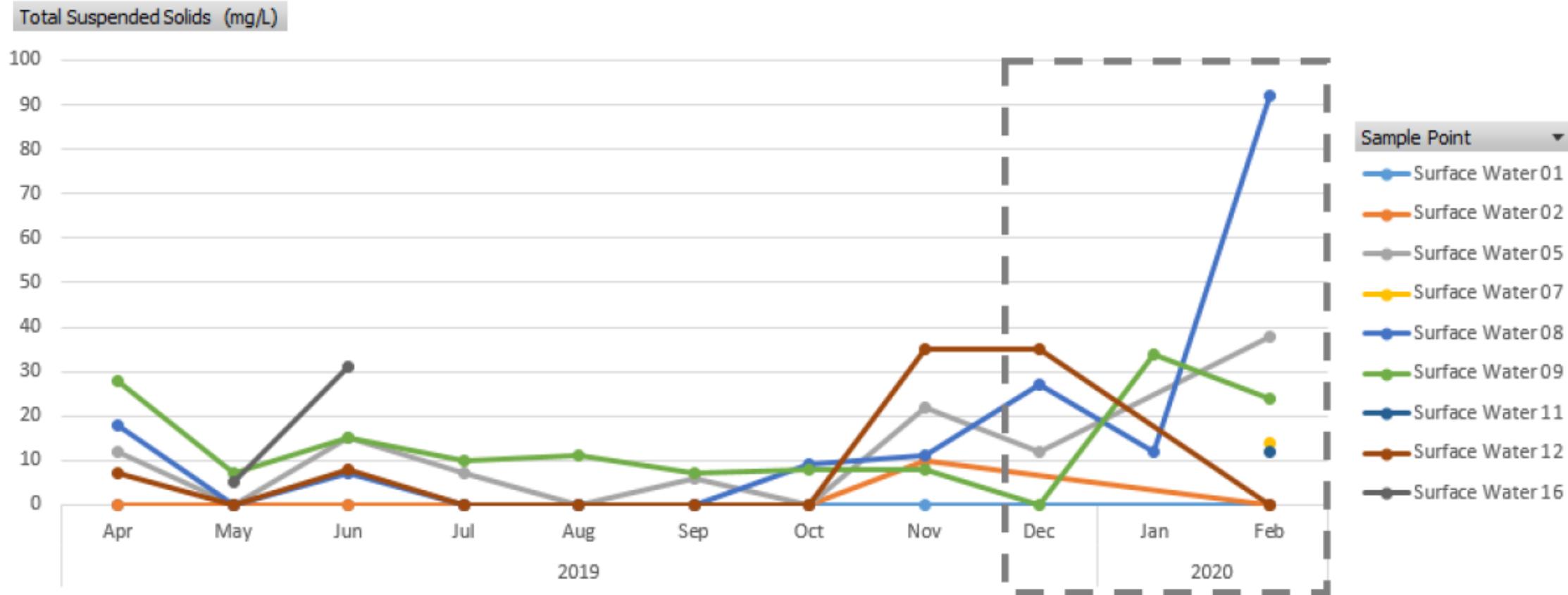


Water Quality - EC

Electrical Conductivity ($\mu\text{S}/\text{cm}$)

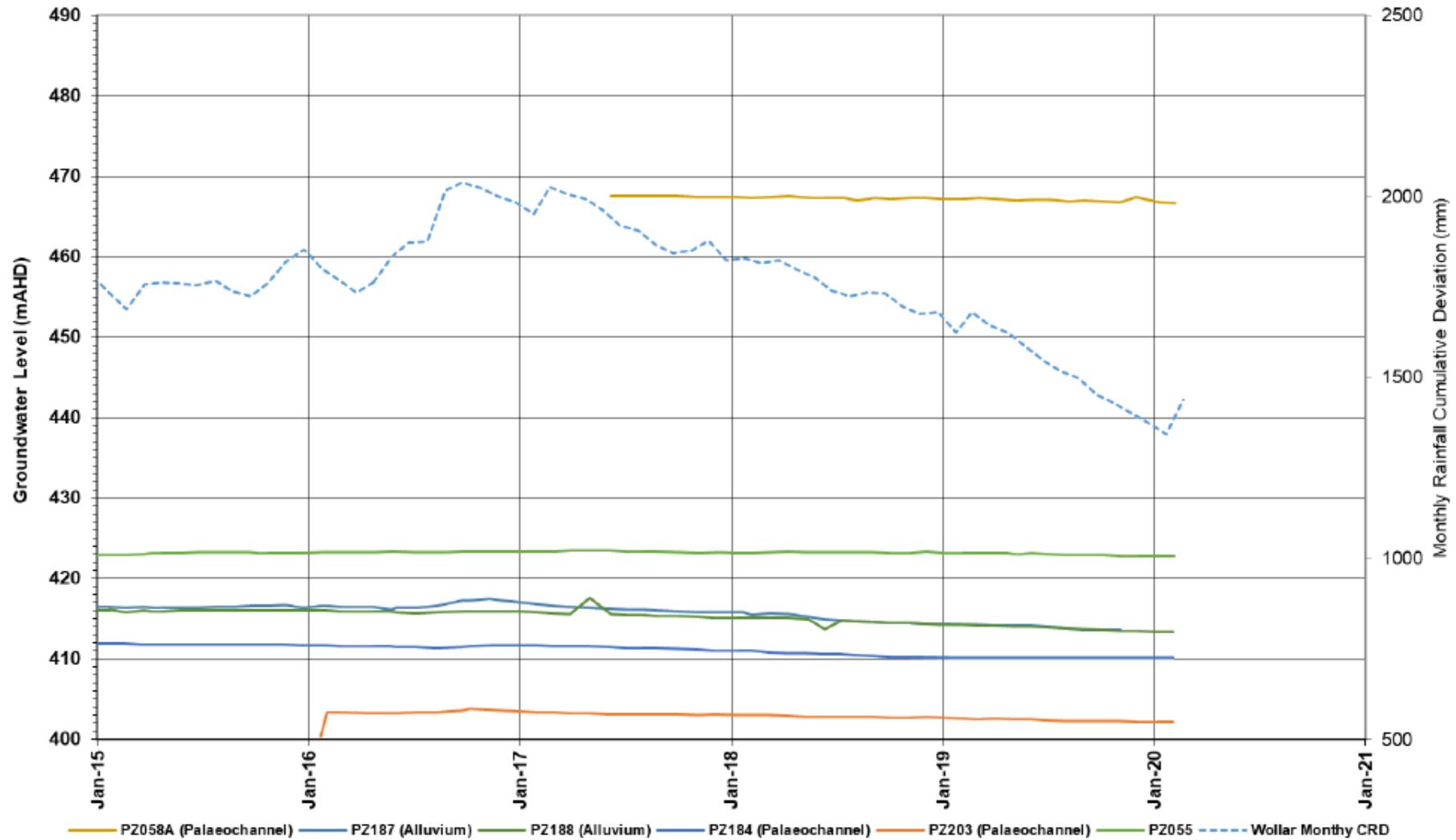


Water Quality - TSS



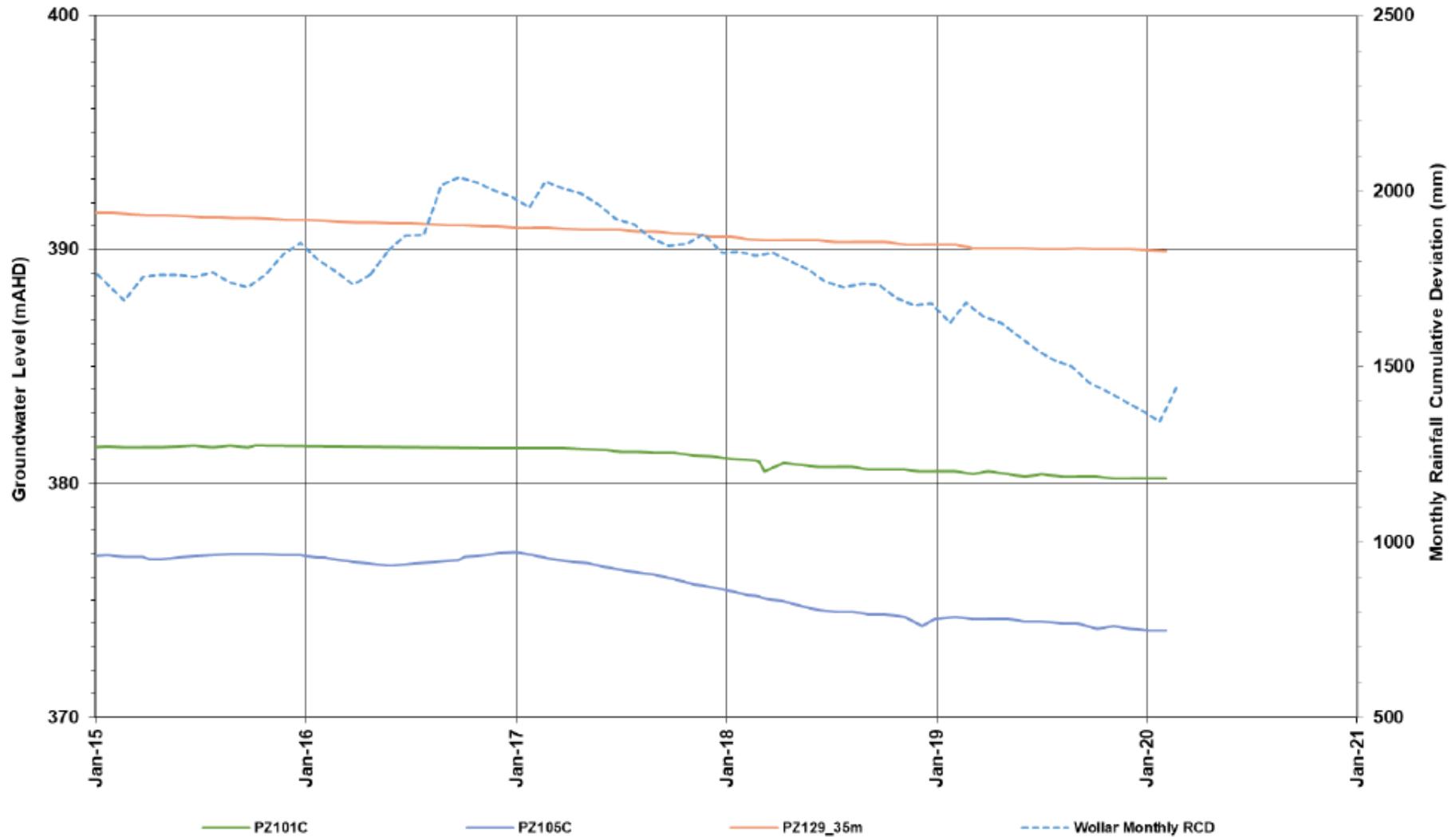
Groundwater - Level

HYDROGRAPHS - Palaeochannel and Alluvium



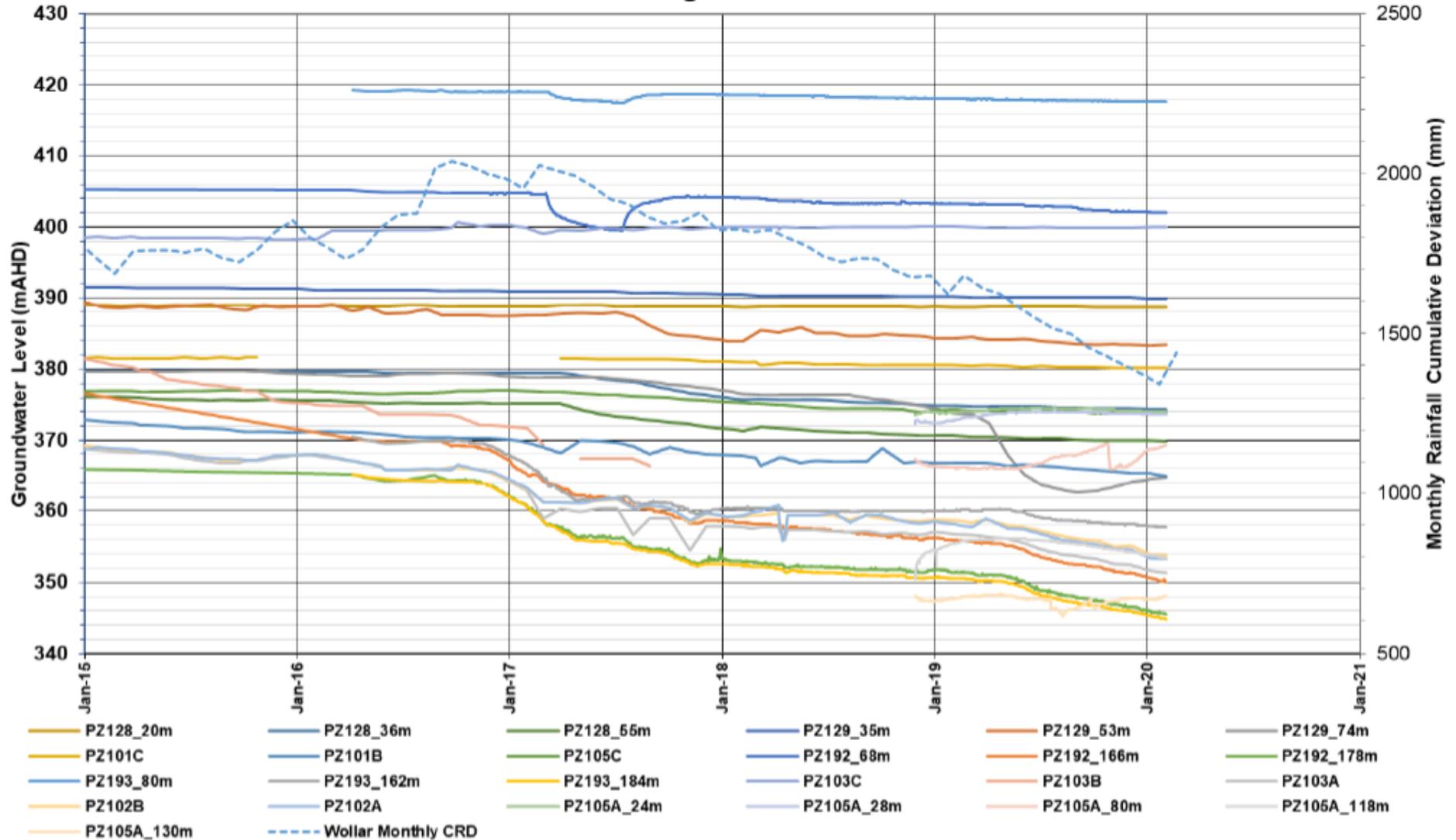
Groundwater - Level

HYDROGRAPHS - Triassic



Groundwater - Level

HYDROGRAPH - Monitoring Network Near the Goulburn River



Air Quality

Site	February 2019 PM10 Annual Average ($\mu\text{g}/\text{m}^3$)	February 2020 PM10 Annual Average ($\mu\text{g}/\text{m}^3$)	Air Quality PM10 Annual Average Criteria ($\mu\text{g}/\text{m}^3$)
TEOM 01	15.56	17.82	25.0
TEOM 07	16.77	16.05	25.0
TEOM 04	19.08	19.72	25.0

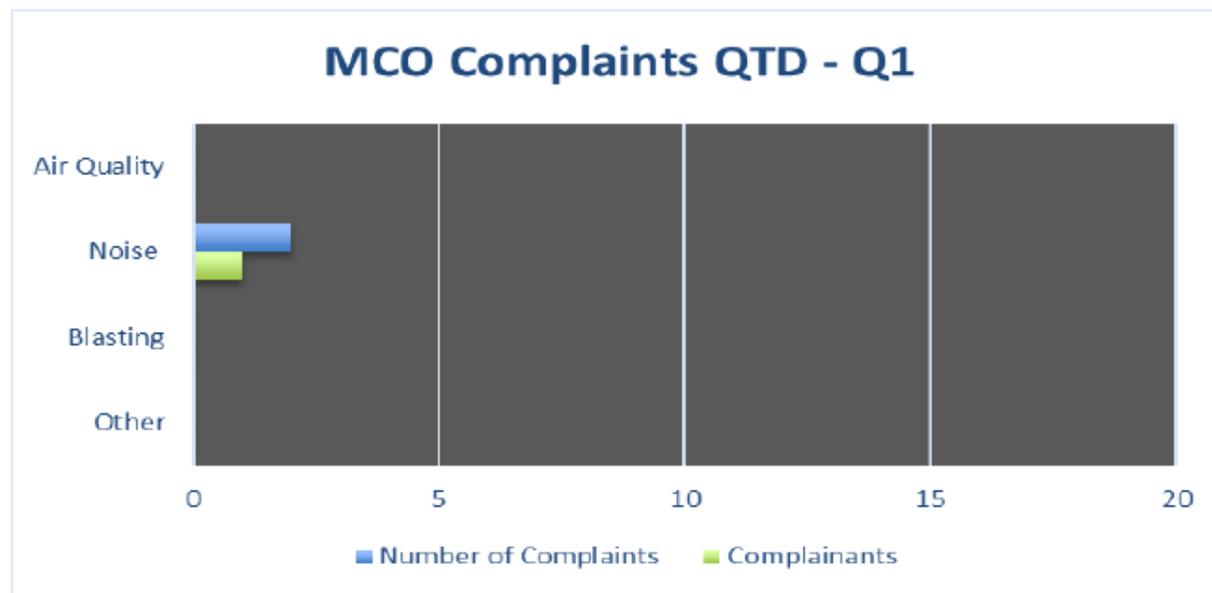
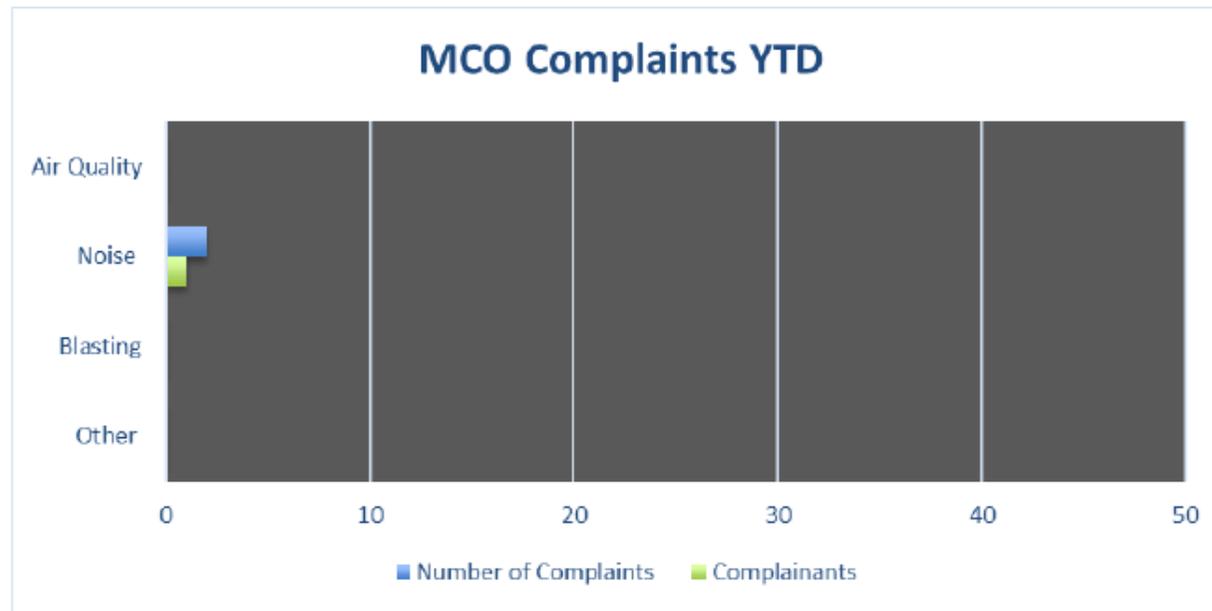
Site	February 2019 PM2.5 Annual Average ($\mu\text{g}/\text{m}^3$)	February 2020 PM2.5 Annual Average ($\mu\text{g}/\text{m}^3$)	Air Quality PM2.5 Annual Average Criteria ($\mu\text{g}/\text{m}^3$)
TEOM 07	N/A*	6.55	8.0

*less than 12 months of data

Monthly monitoring reports are available on our website:

www.moolarbencoal.com.au/environment-and-community/monitoring-results/

Community Complaints



Rehabilitation Update

- Rehabilitation maintenance works are continuing.



Biodiversity Offset Management

- Biodiversity Offset 2020 planting plans and tenders underway
- Required trees for the 2020 program currently growing at the nursery
- Commenced preparations for baiting programs in conjunction with the LLS and wild dog groups.



Employment Update

Traineeships

- Currently 13 Underground
- 10 to commence in May 2020

Apprentices

- Currently 10 Underground & 18 Open Cut

General

- Skillset Land Works – 3 Traineeships in Conservation Land Management commenced work in February 2020.



