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Austar Coal Mine

Community Consultative Committee Meeting Minutes

Location: Boardroom – Austar Main Administration Building, Middle Road, Paxton
 Time: 9:31am – 10:10am
 Date: 27 November 2019

Name	Representative
Margaret MacDonald-Hill (MMH)	Independent Chairperson
Ashlee Baker	Community Representative
Alan Smith (AS)	Community Representative
Carly McCormack (CM)	Austar Coal Mine
Julie McNaughton (JM)	Austar Coal Mine
Councillor Mark Lyons (ML)	Cessnock City Council Representative
John Rayner	Community Representative
Apologies	
Brian Wesley	Austar Coal Mine
Michael Gorman	NSW Police Service (Cessnock)
Peter Sturrock	Community Representative
Copy of minutes	
Councillor Bob Pynsent	Mayor of Cessnock City Council
Mr Joel Fitzgibbon MP	Federal Member for Hunter
Mr Clayton Barr	State Member for Cessnock
Mr Howard Reed	NSW Department of Planning & Environment
Ms Valerie Phillips	Librarian, Cessnock City Council

1	Welcome
	MMH – Opened the meeting 9:30am and welcomed the CCC. Apologies noted
2	Declaration of Interests
	MMH asked for any changes to previous declarations of interest Declarations of interests remain current for all members
3	Confirmation of Previous Minutes
	The minutes of the previous meeting were considered representative of that meeting. ML moved, AS seconded.
4	Business Arising from Previous Minutes
	MMH – bushfire management and Frances St operations CM noted that these items will be discussed in the presentation.
5	Correspondence
	No correspondence this quarter
6	Current Operations, Environmental Monitoring Update, Complaints, Community Support
	CM and JM – gave update on operations and planned exploration activities (as detailed in the attached presentation). AS – asked who does the ecological monitoring and how do they do it? CM- Umwelt ecologists undertake the monitoring and look at various performance indicators such as species diversity, groundcover, canopy cover, impacts of drought and fire and whether there are any impacts that may be attributable to mining. There have been no mining impacts but have been reductions in diversity and groundcover due to dry conditions. JM asked if there were any CCC members that would volunteer to assist in assessing our community support program applicants. AB, AS, MMH and ML said they would be happy to assist pending on dates required. JM will keep in touch.
7	General Business

	<p>CM – outlined the bushfire management plan, showing areas we own, areas of strategic fire advantage zones, etc. General discussion around bushfire planning.</p> <p>MMH asked how Austar supports RFS workers while they volunteer, and if there is a policy on releasing workers to volunteer with RFS or SES?</p> <p>CM – we will find out and let the CCC know.</p> <p>Action – Find out if Yancoal has a policy for employees that volunteer in emergencies</p> <p>ML – had heard that local employees had already been given redundancies and the mine had already made a decision to close, and asked if this is the case?</p> <p>CM - A decision on the future of the mine in respect of Stage 3 has not been made and there have not been any redundancies in the past 12 months. The Operations Manager and Human Resources Superintendent have recently met with workforce Unions, who had requested that all employees get the chance to give preferences on what they would prefer if the mine was to downsize (such as a redundancy, redeployment to another site, or stay on). This information would be used for future planning purposes if a decision was made to downsize the mine workforce.</p> <p>AB – asked whether the ecological monitoring program will be put on our website.</p> <p>CM – replied that generally there is a summary in the annual review, but we could email a copy if Ashlee wanted to read it.</p> <p>Action – email a copy of the Ecological monitoring report to AB.</p>
9	Meeting Dates
	<p>2020 proposed meeting dates:</p> <ul style="list-style-type: none"> ○ 26 February 2020 ○ 27 May 2020 ○ 26 August 2020 ○ 25 November 2020
9	Meeting Closed
	<p>MMH – Thanked the CCC for a very productive year, wished everyone and their families a Merry Christmas, and declared the meeting closed at 10:10am.</p>

Recorded: Julie McNaughton 27 November 2019

AUSTAR COAL MINE

COMMUNITY CONSULTATIVE MEETING

Q4 2019

27 November 2019

Carly McCormack
ENVIRONMENT & COMMUNITY SUPERINTENDENT

Agenda

1. Welcome / Apologies
2. Declaration of interests
3. Confirmation of previous minutes
4. Business arising from previous minutes
5. Correspondence
6. Current operations / Environmental monitoring update / Complaints
7. General business / Community Sponsorship
8. Next meeting / Meeting close

Current Operations



Underground Mining Operations

- Longwall mining in panel LWB6 commenced on 27 September 2019 and is planned for completion in February 2020
- Current retreat 436m of 825m
- Surface vibration events have been and continue to be recorded in the current mining area
- Nil coal burst events have occurred to date in panel LWB6
- Following completion of mining in LWB6 longwall equipment will be relocated to the surface during March/April 2020 for storage and maintenance
- The timing for extraction of LWB7 is yet to be determined
- The Stage 3 area continues to be assessed by the company and nil decisions have been made at this point in time

Current Operations

Coal Handling and Preparation Plant (CHPP)

- Plant maintenance activities were undertaken during the longwall move (August/September)
- Normal production resumed in October and will continue for the remainder of LWB6
- Receiving up to 3-4 trains/day until completion of LWB6
- Rehabilitation – Capped and topsoiled 1ha at Aberdare Coarse Reject Emplacement Area ready for seeding
- Dust control measures include use of water carts, limiting operating speed of vehicles, limiting loading heights, and stopping operations during dusty conditions

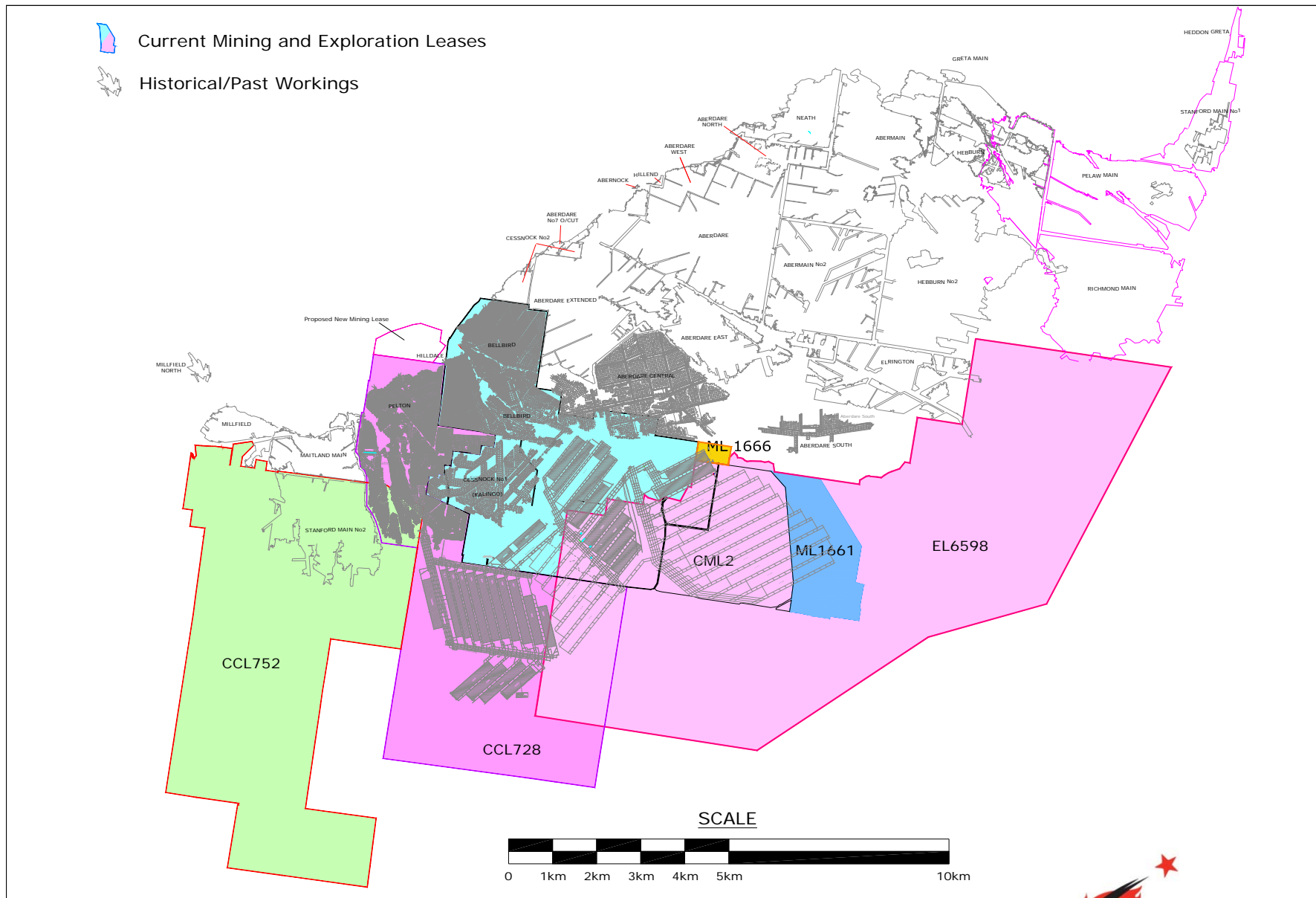


Current Operations

Exploration (Exploration Licence 6598)

- Planning has commenced for drilling of 5 exploration boreholes during 2020
 - Working with landowners to progress Land Access and Compensation Agreements
 - Drafting approvals documentation required by DPIE Division of Resources and Geoscience (DPIE DRG)
 - Community Consultation Strategy will be developed
- Progressing sign-off of completed boreholes through DPIE DRG

Current Operations



Environmental Incidents

Environmental Incidents (28 August – 26 November 2019)

On-going Clean Water Drainage Line Investigation – CHPP (6 June 2017)

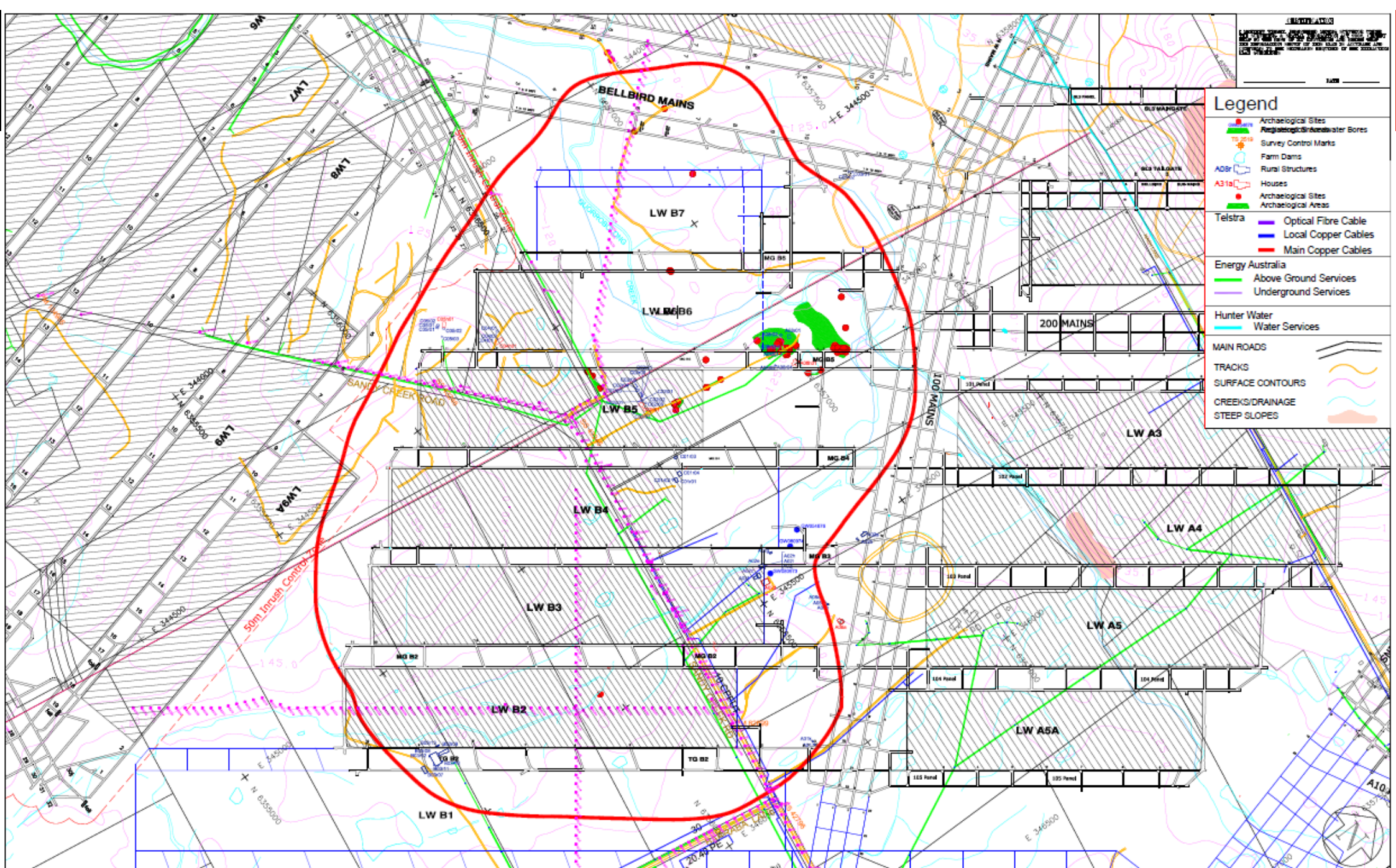
- No change since previous update
- Continue to monitor surface and groundwater
- Any runoff contained and pumped to precipitate dam

Environmental Monitoring Update

Subsidence

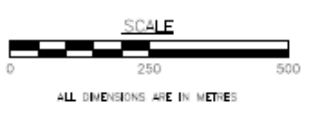
Bellbird South Mining Area

- Subsidence surveys are ongoing along the Sandy Creek Road monitoring line
- Maximum recorded surface level movement on Sandy Creek Road is approximately 565mm with the last survey conducted on 23 October 2019



Legend

- Archaeological Sites
- Registered Driveway Bore
- Survey Control Marks
- Farm Dams
- Rural Structures
- Houses
- Archaeological Sites
- Archaeological Areas
- Telstra
 - Optical Fibre Cable
 - Local Copper Cables
 - Main Copper Cables
- Energy Australia
 - Above Ground Services
 - Underground Services
- Hunter Water
 - Water Services
- MAIN ROADS
- TRACKS
- SURFACE CONTOURS
- CREEKS/DRAINAGE
- STEEP SLOPES



LEGEND

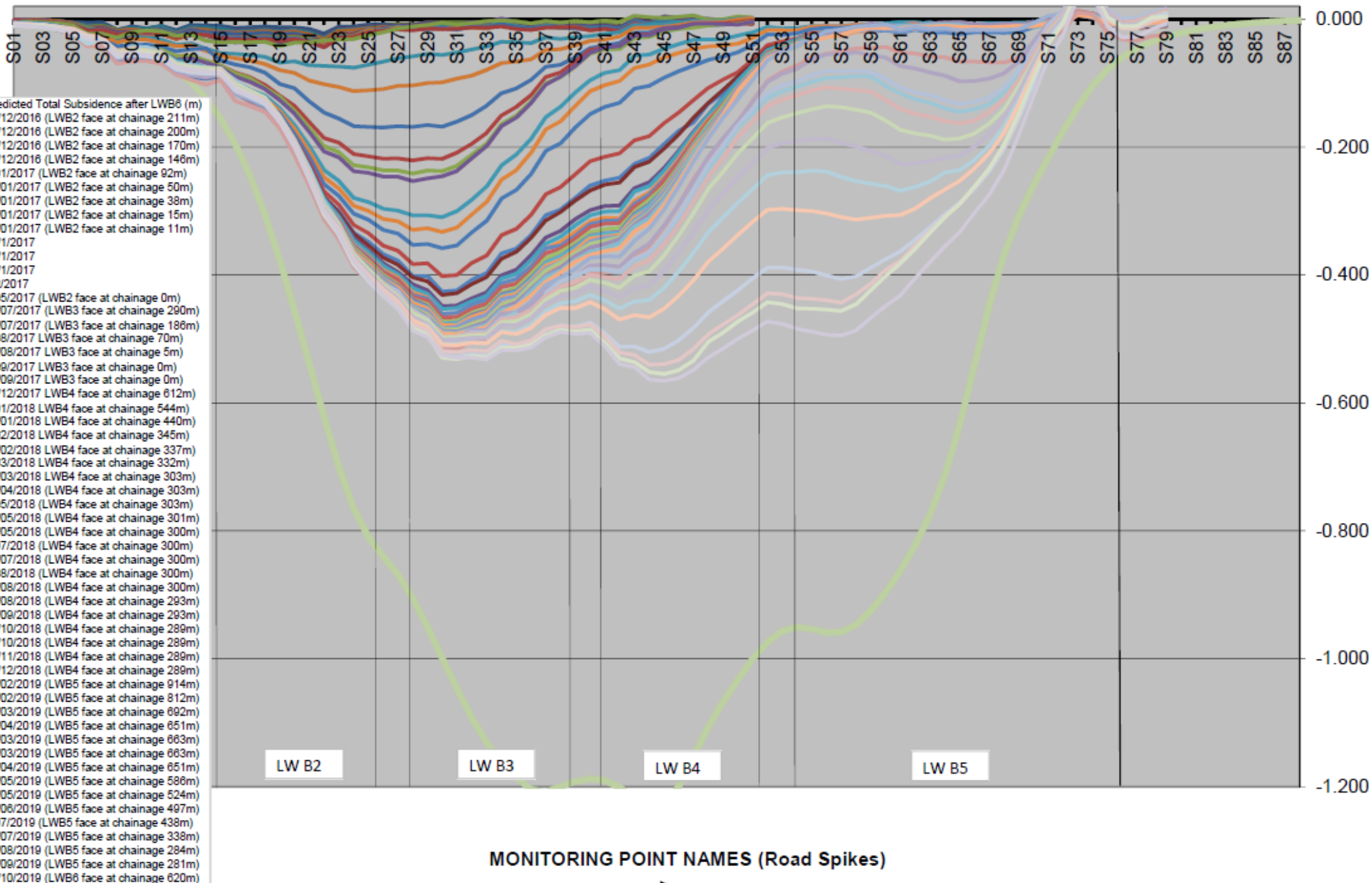
- PROPOSED WORKINGS SHOWING ROADWAY CENTRE DIMENSIONS
- EXISTING WORKINGS
- EXISTING SUBSIDENCE MARK

LEGEND

- LWB4 - B7 EXTRACTION PLAN AREA
- LONGWALL EXTRACTED AREA
- SURFACE CONTOURS

Drawn	M. WRIGHT	AUSTAR COAL MINE		YANCOAL MINING SERVICES PTY LTD
REVISION DATE	5/11/2019	TITLE	LONGWALL B4-B7 EXTRACTION PLAN UPDATE	
UNIT ENGINEERING MANAGER		SCALE	1:5000	DRAWING No. GEN1995
DATE		REV	0	AUSTAR COALMINE

Subsidence- LINE "SCR1"

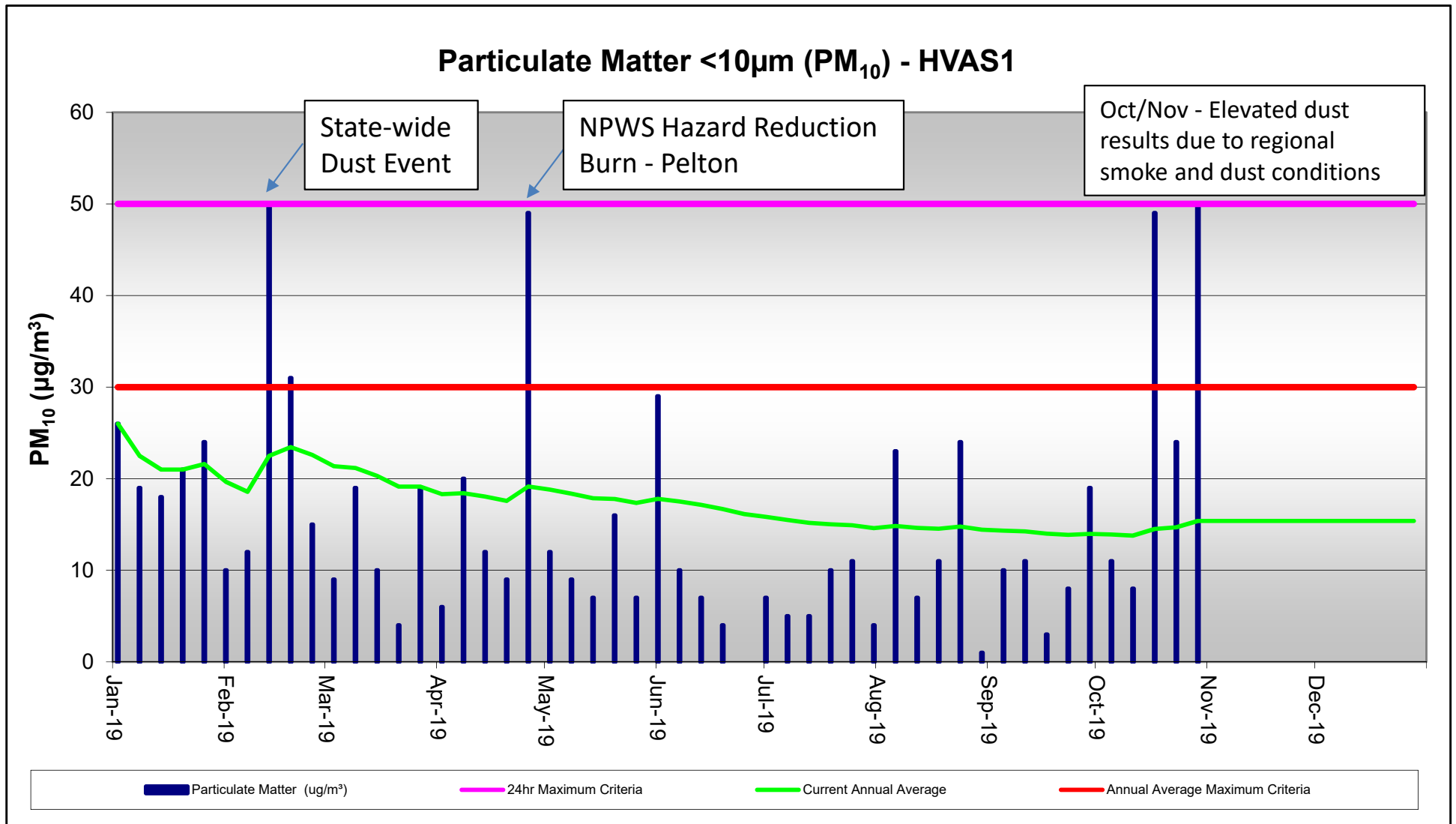


MONITORING POINT NAMES (Road Spikes)

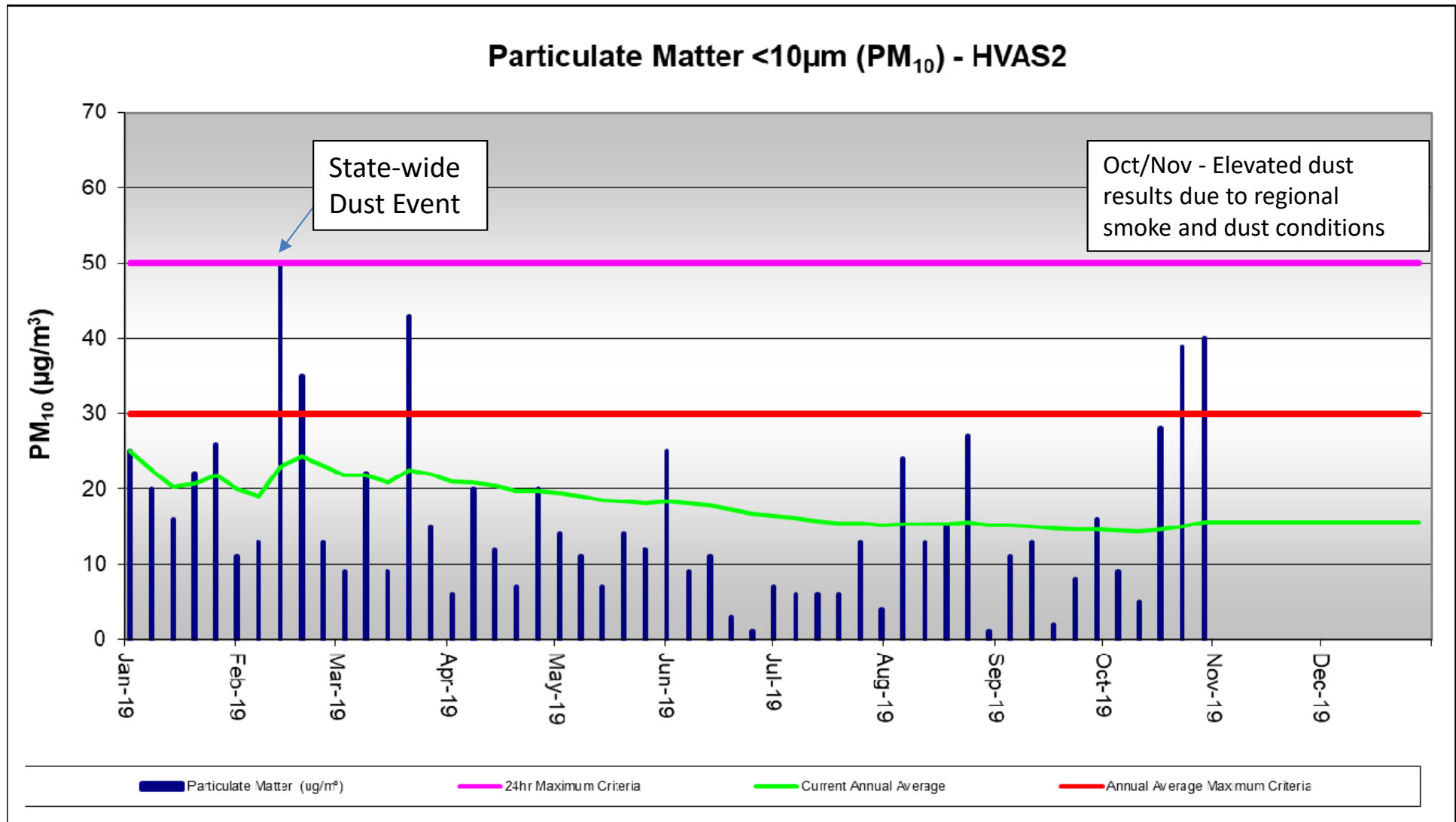
Elevated Dust Results

- TEOM monitors PM₁₀ on 24hr averaging period midnight to midnight
- Located to the north east of CHPP on Bimbadeen Rd, Bellbird
- 11 occasions between Sep – Nov TEOM recorded elevated dust results
- Following investigation it was determined exceedances due to regional smoke and dust conditions and not the result of Austar operations
- Reported to DPIE who have responded they are satisfied with our operational response
- Dust control measures include use of water cart to wet down roads, reduced operating speeds and stopping work in dusty conditions

Air Quality

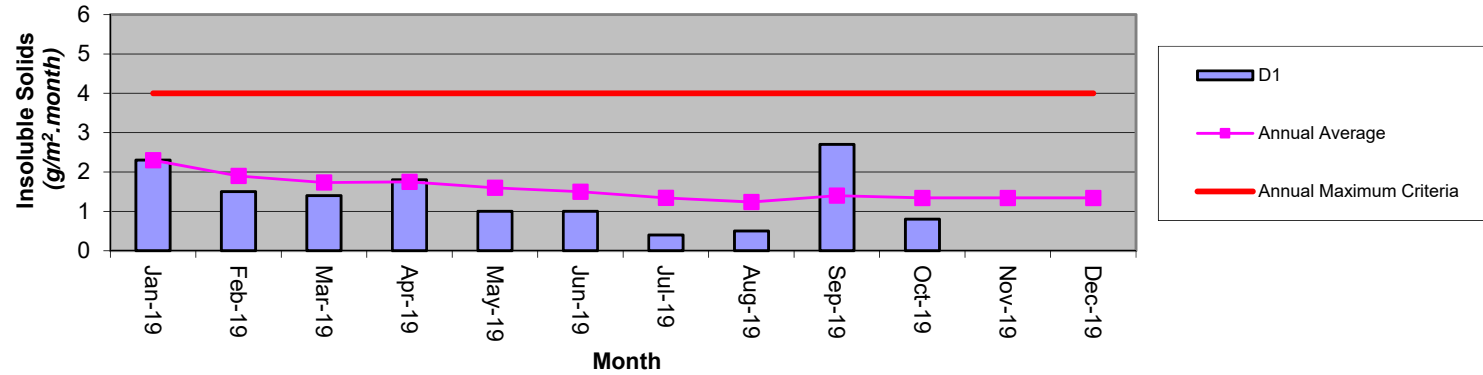


Air Quality

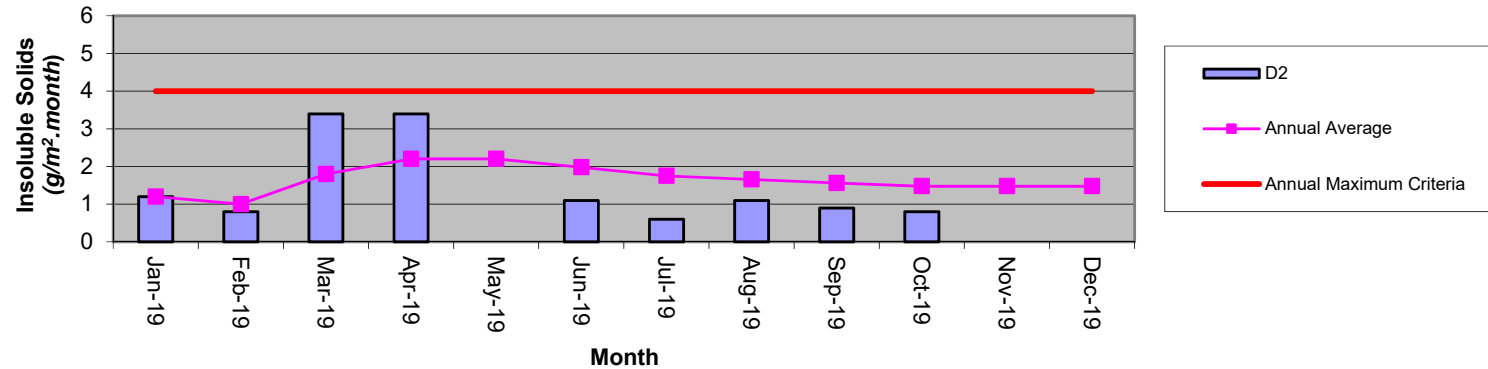


Air Quality

Dust Deposition Gauge D1 - Insoluble Solids

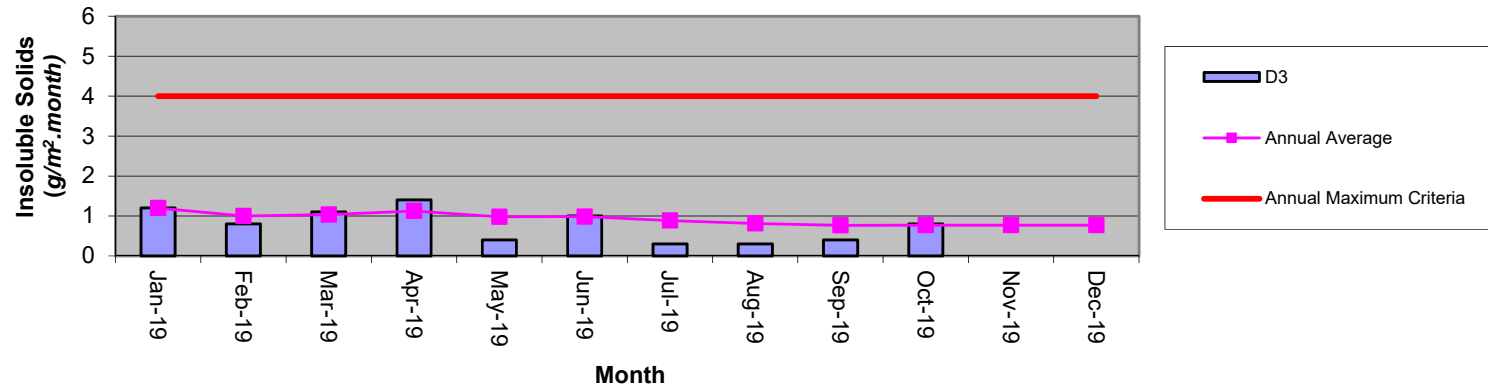


Dust Deposition Gauge D2 - Insoluble Solids

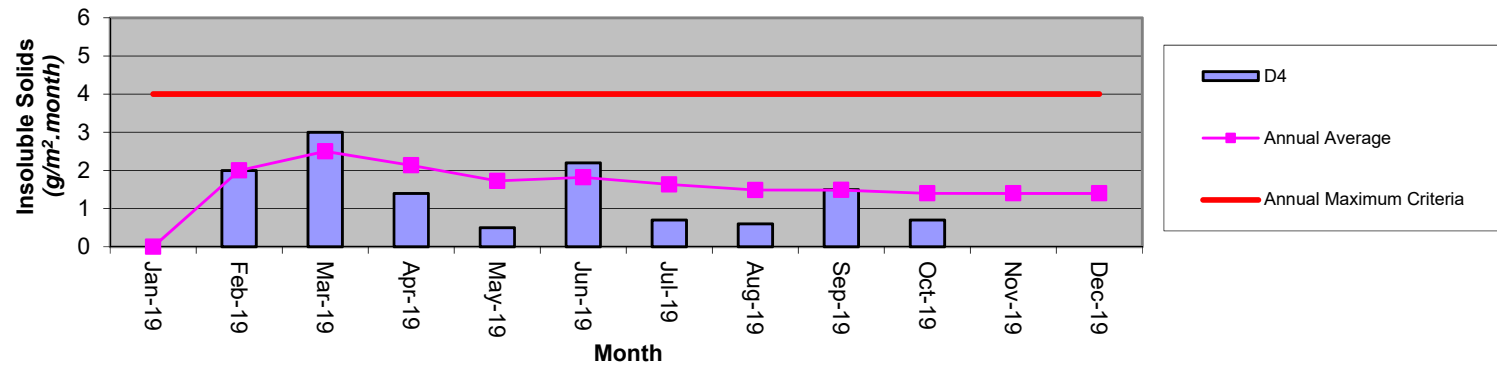


Air Quality

Dust Deposition Gauge D3 - Insoluble Solids

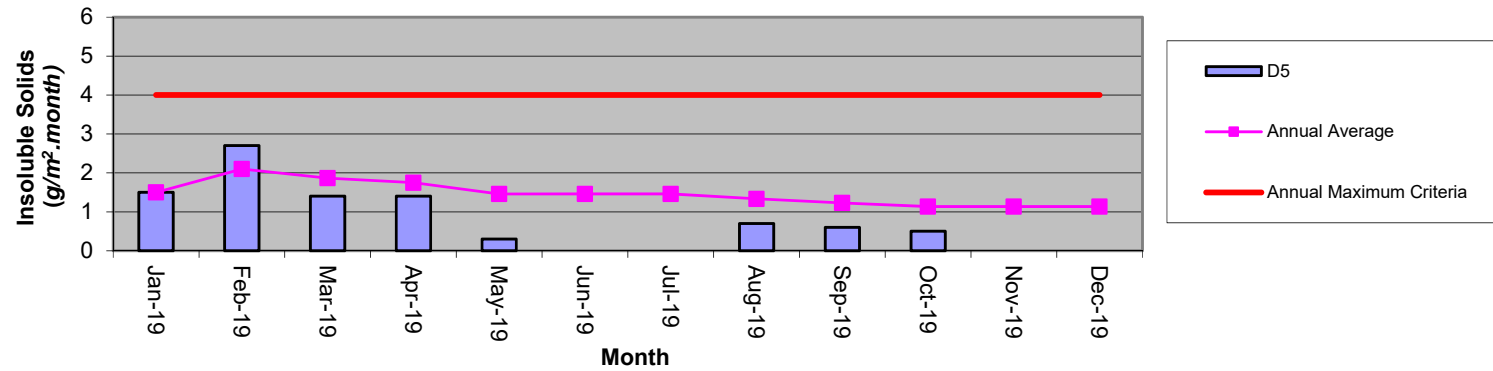


Dust Deposition Gauge D4 - Insoluble Solids

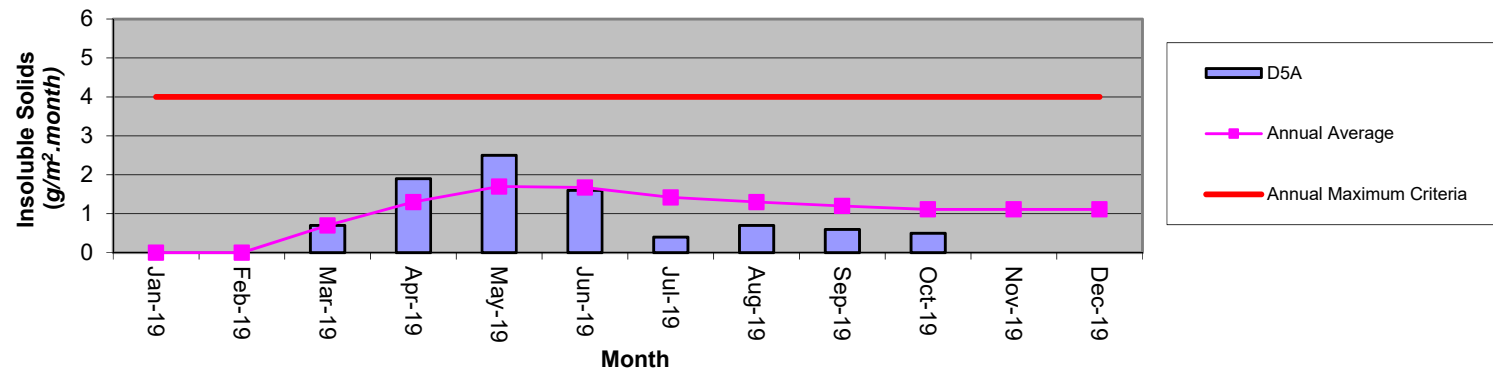


Air Quality

Dust Deposition Gauge D5 - Insoluble Solids

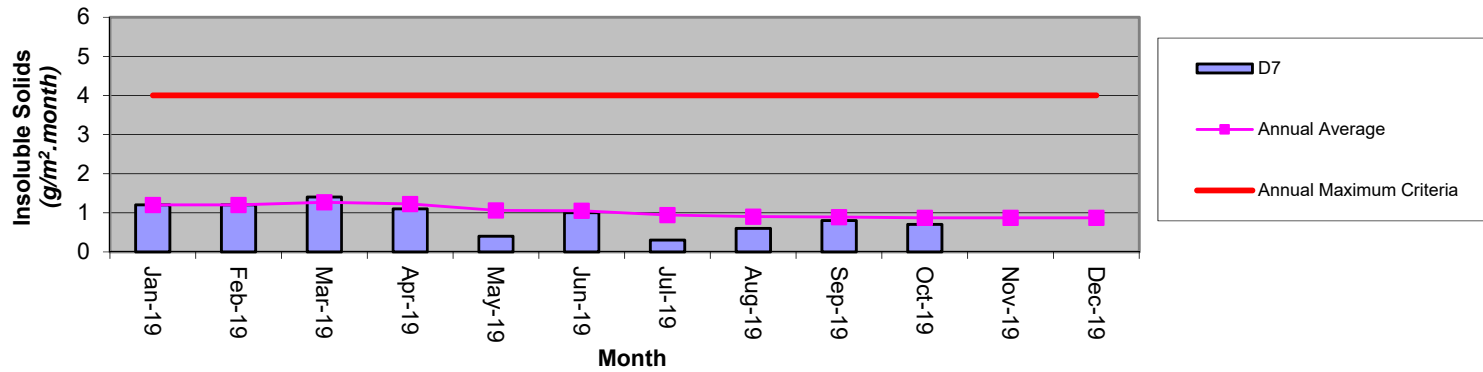


Dust Deposition Gauge D5A - Insoluble Solids

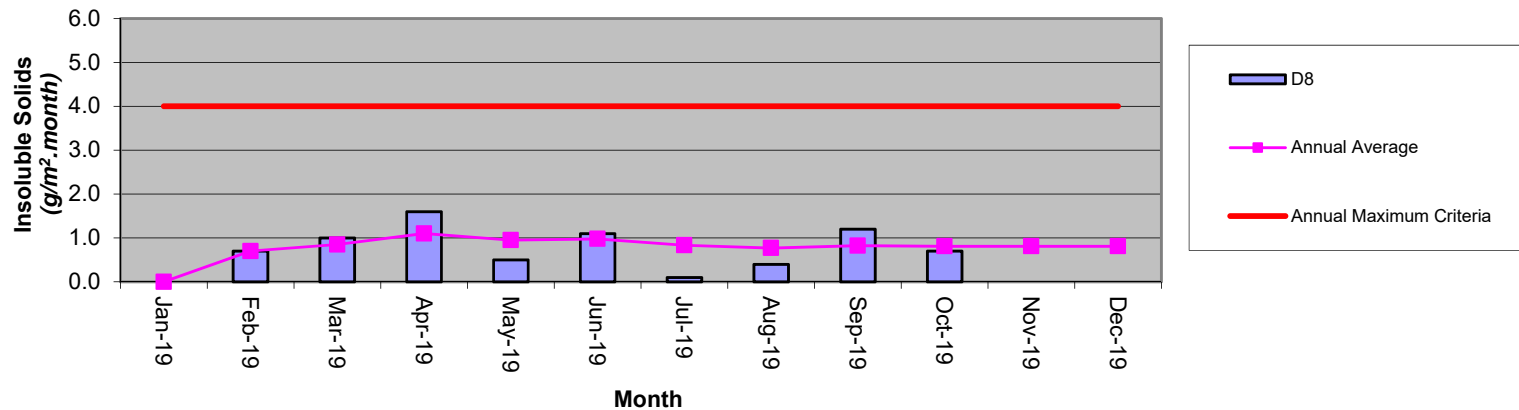


Air Quality

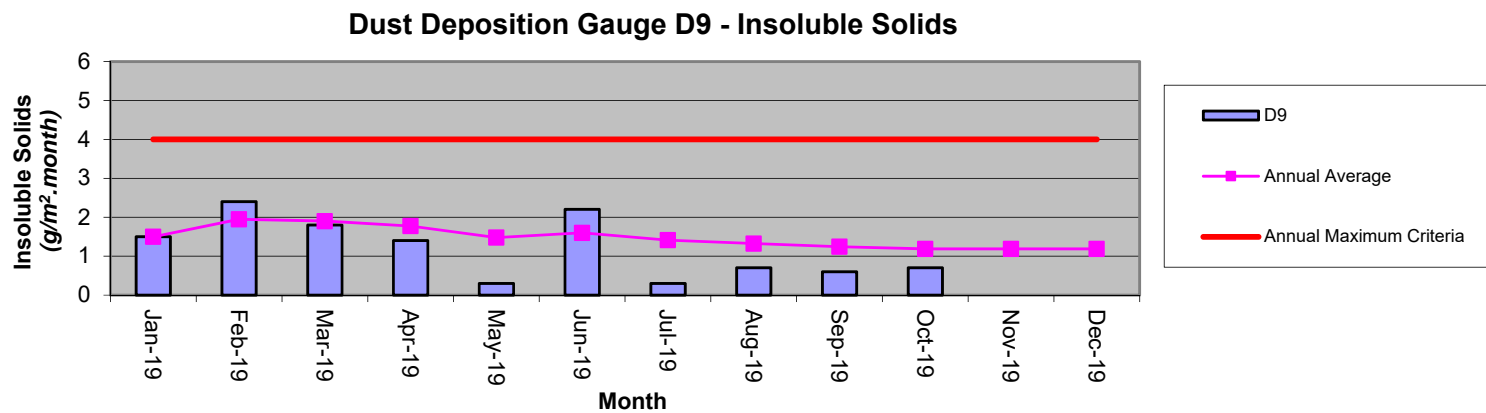
Dust Deposition Gauge D7 - Insoluble Solids



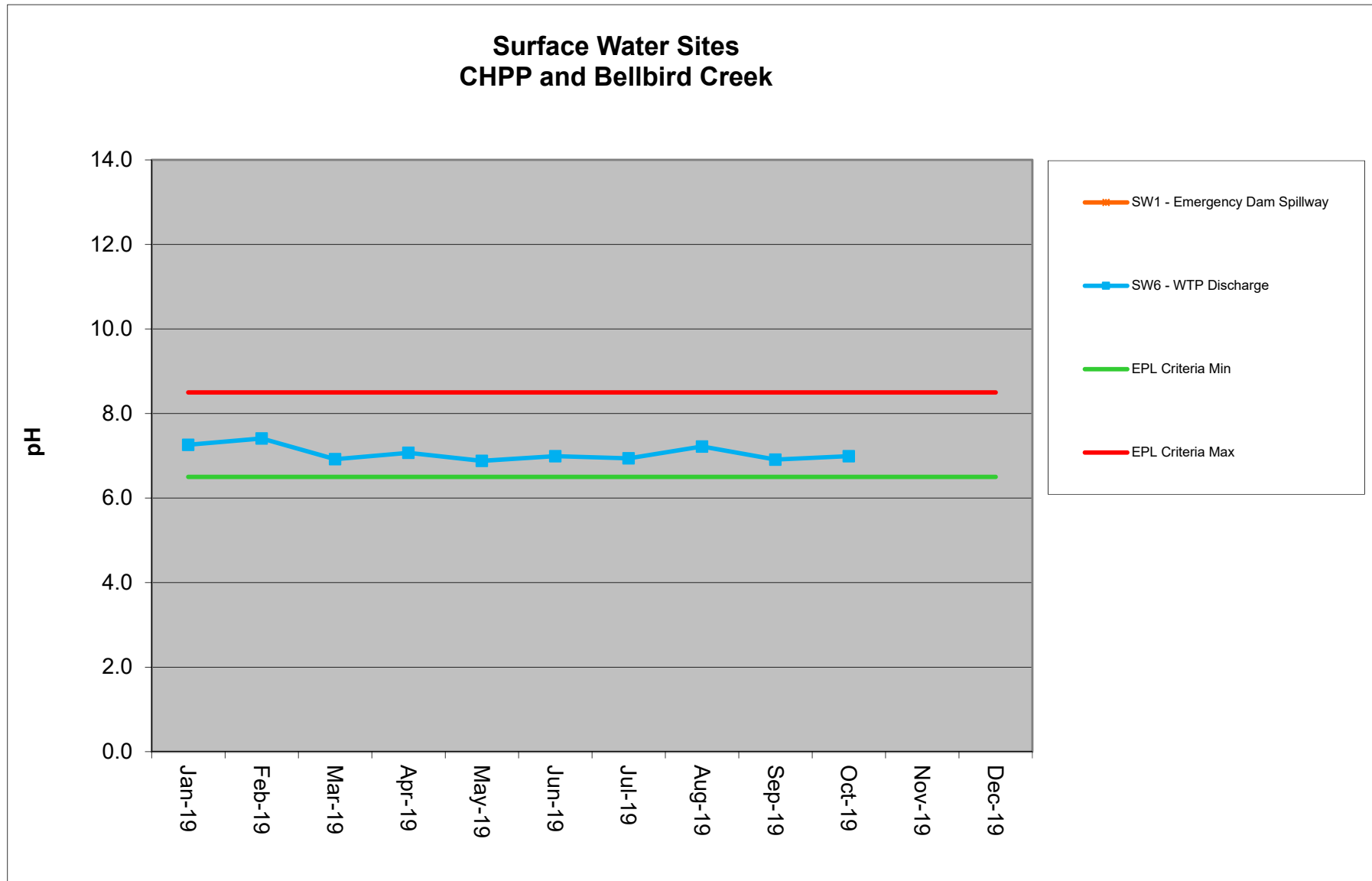
Dust Deposition Gauge D8 - Insoluble Solids



Air Quality

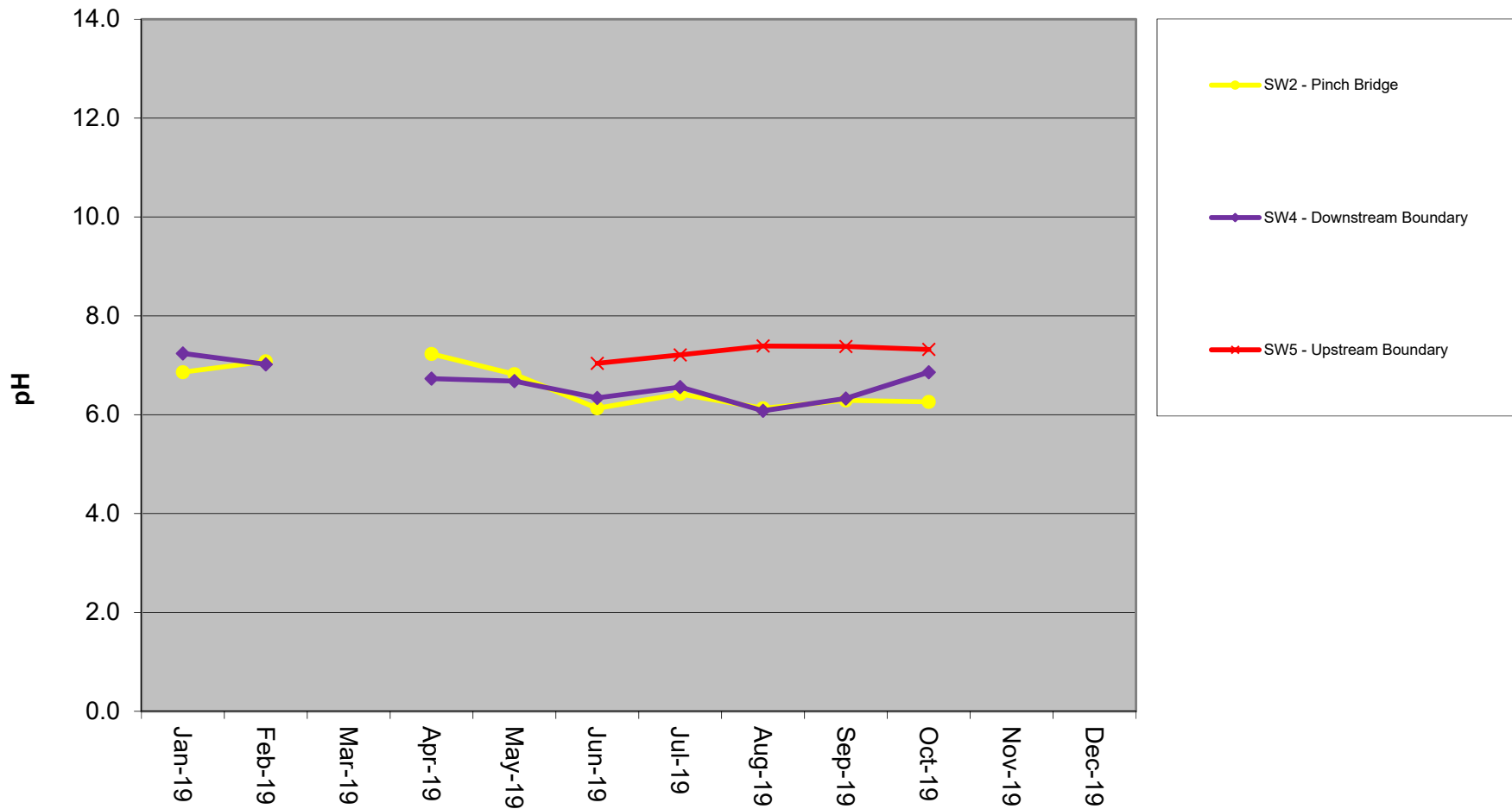


Water Monitoring

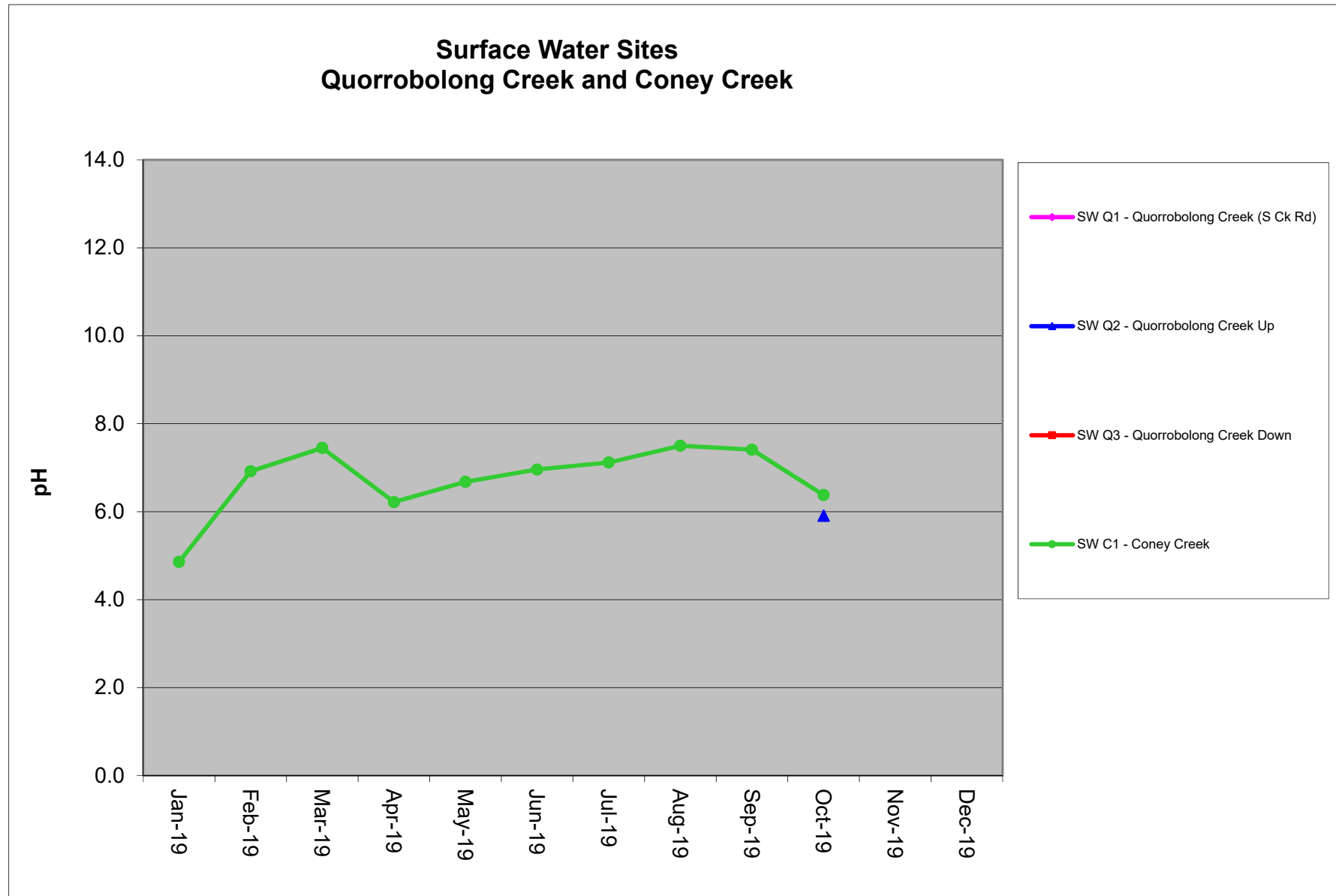


Water Monitoring

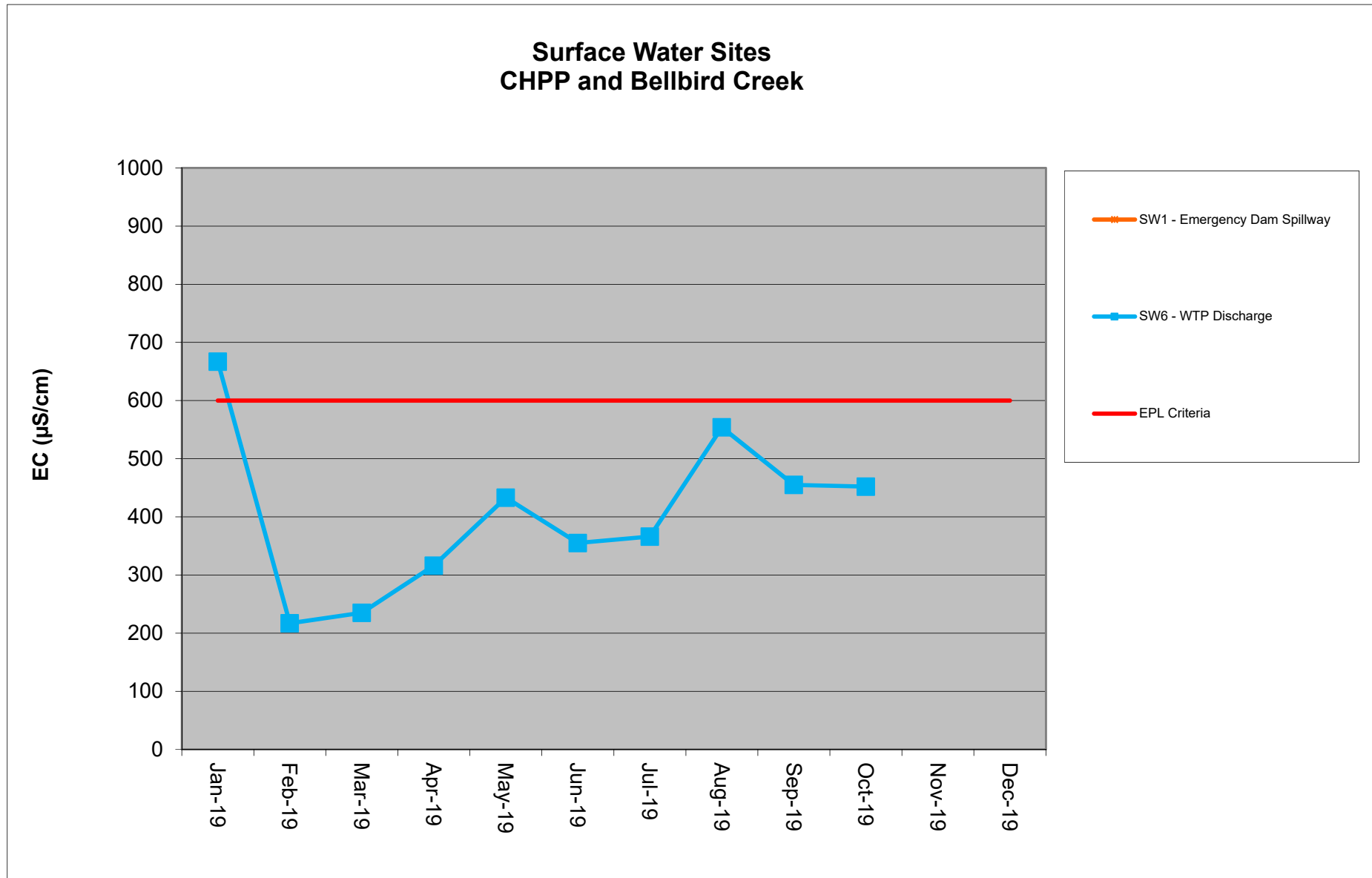
Surface Water Sites
CHPP and Bellbird Creek



Water Monitoring

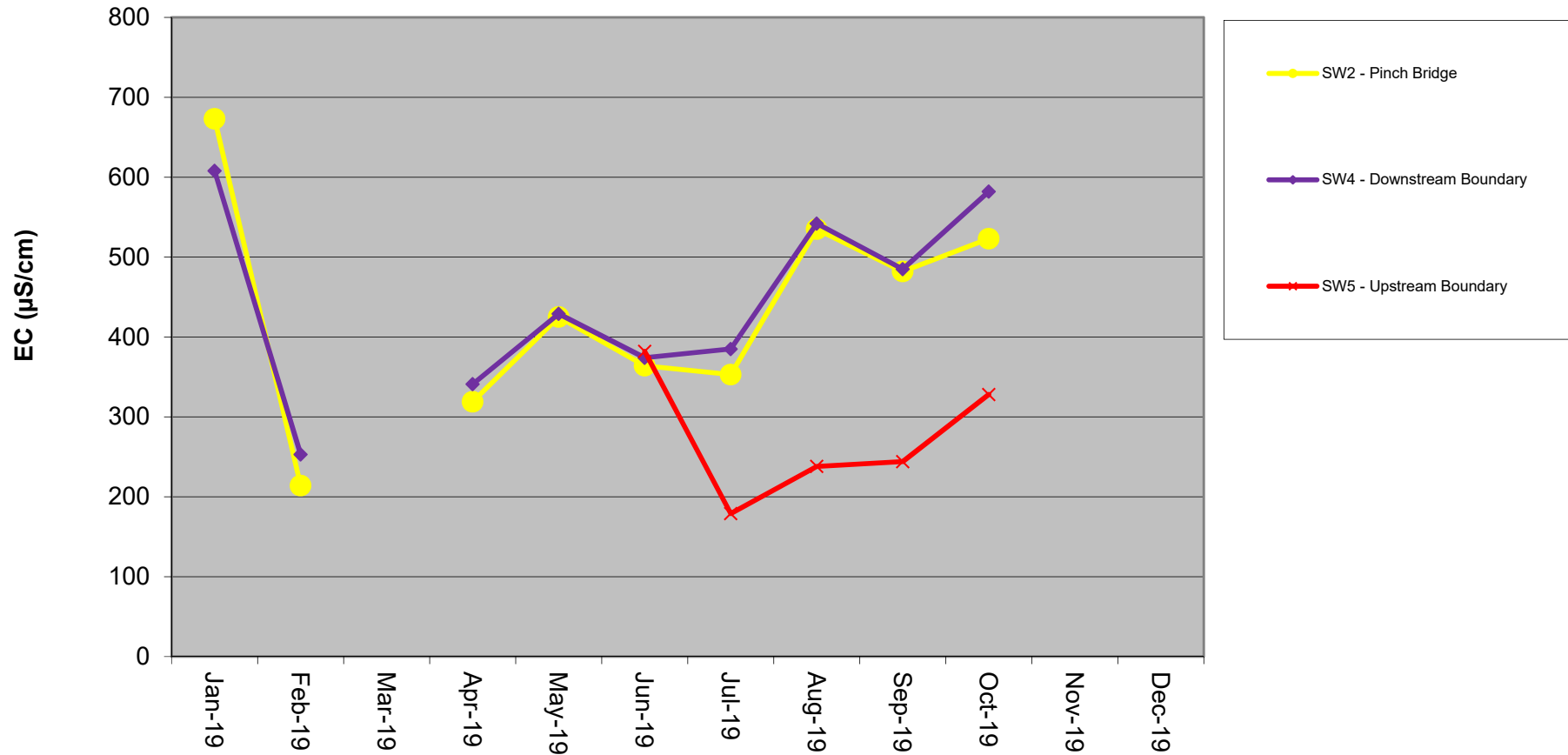


Water Monitoring



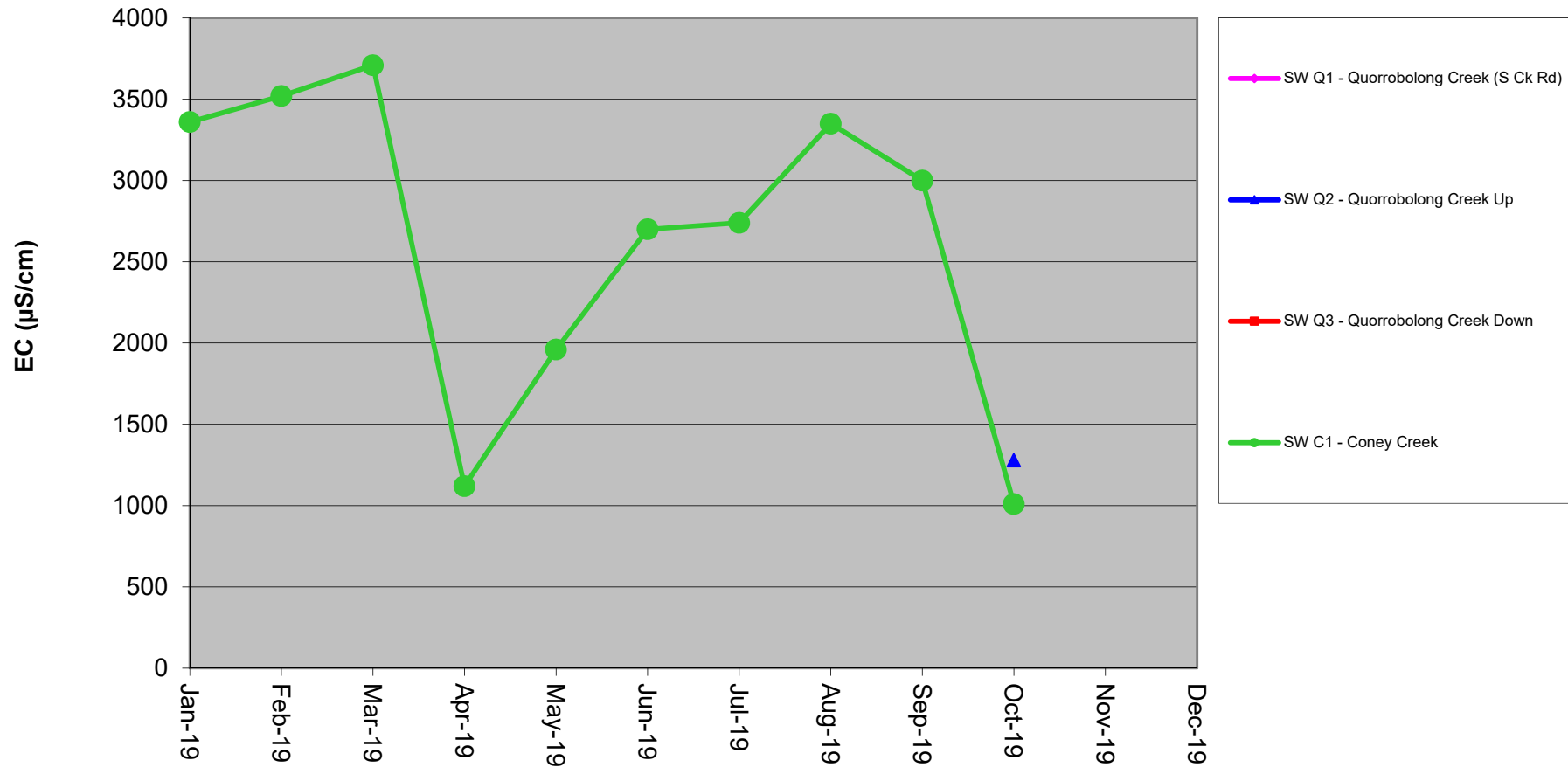
Water Monitoring

Surface Water Sites
CHPP and Bellbird Creek



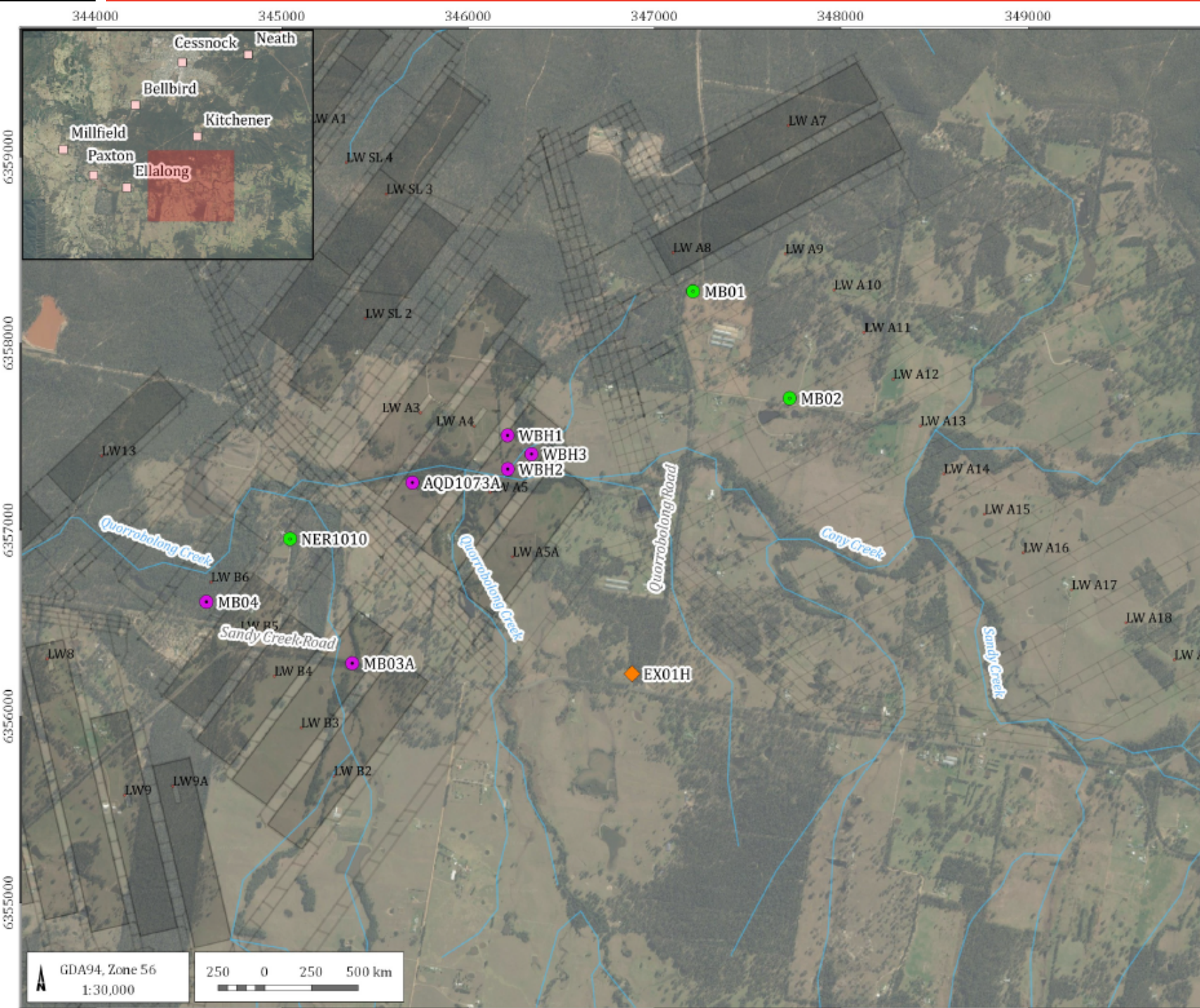
Water Monitoring

Surface Water Sites
Quorrobolong Creek and Coney Creek



Groundwater Monitoring

- Overall groundwater level has remained stable or is in minor decline attributable to current prolonged dry conditions, with the exception of MB03A and NER1010
- MB03A is a shallow alluvial aquifer, influenced by rainfall in the days immediately prior to survey
- NER1010 has shown erratic water quality for some time, and during this reporting period was air lift developed (cleaned out using compressed air) and a new monument installed to prevent rain water ingress to the bore
- MB02 was also air lift developed following some anomalous water level readings
- No other changes to existing trends in groundwater quality or water levels since previously reported



- LEGEND
- Populated place
 - Monitoring locations**
 - Alluvium
 - Branxton Formation
 - VWP, Branxton Formation and Greta Coal Measures
 - Mine plan
 - Longwall panels
 - Watercourse

Yancoal - Austar Coal Mine
Groundwater Monitoring (G1828I)

Austar monitoring bore and VWP locations

DATE
24/09/2019

FIGURE No:

2.1

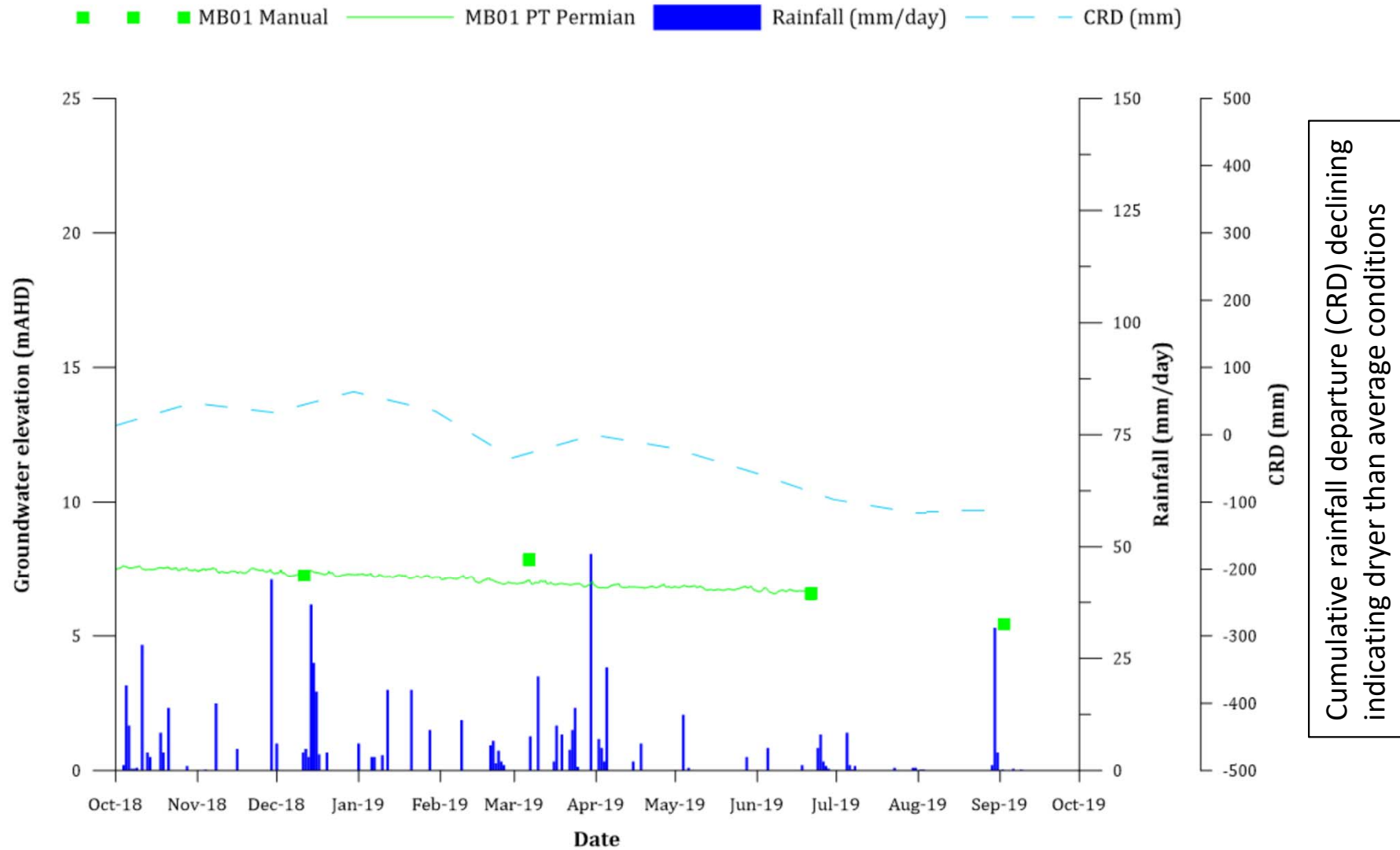


GDA94, Zone 56
1:30,000

250 0 250 500 km

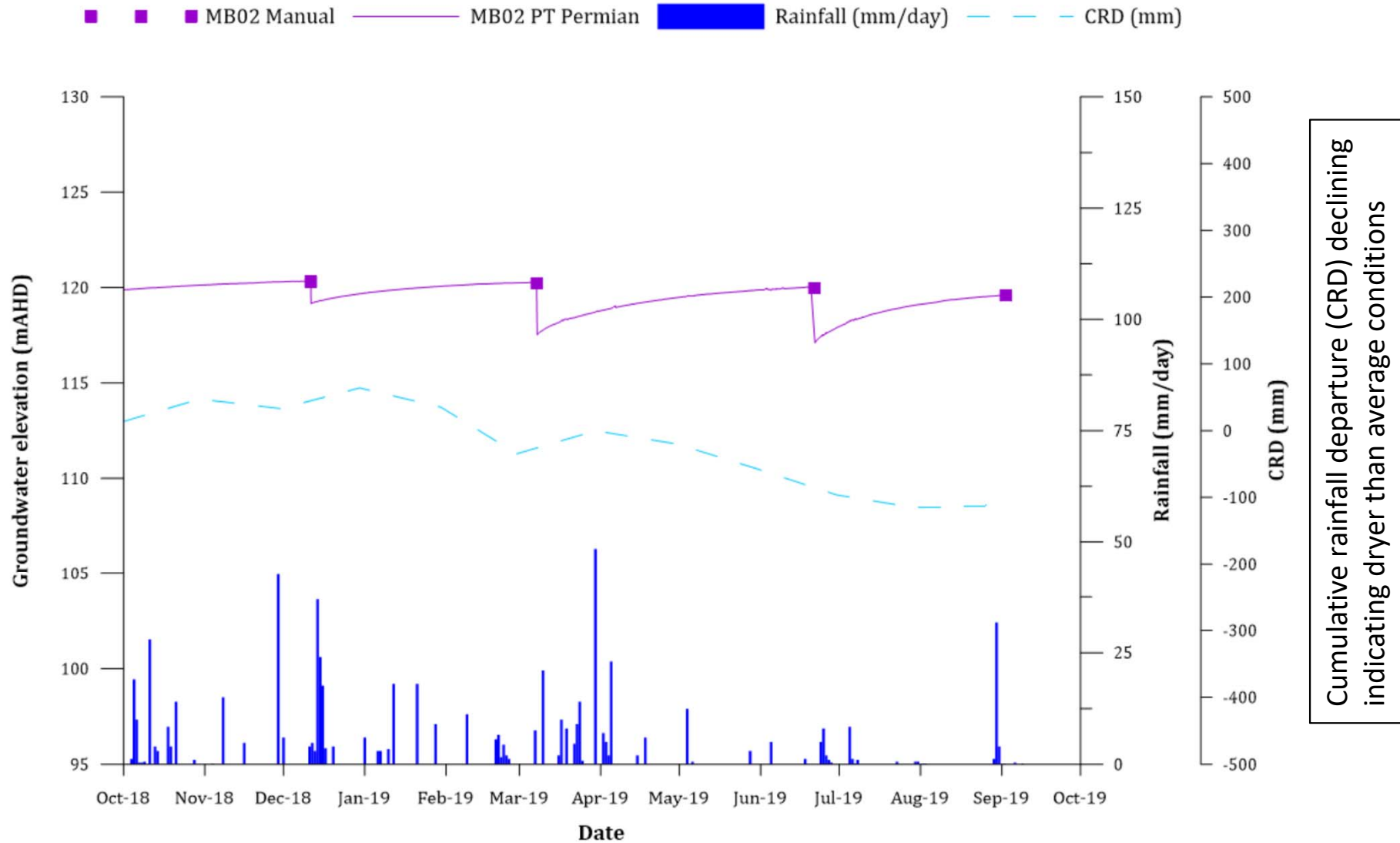
©2019 Australasian Groundwater and Environmental Consultants Pty Ltd (AGE) - www.ageconsultants.com.au
 H:\Groundwater\Jobs\G1828I\Yancoal_Austar GW monitoring and compliance 2019\3_GIS\Workspaces\20190924_G1828I_Austar monitoring bore and VWP locations_updatedSept2019.ggs
 Note: longwall panel background georeferenced accuracy ~ 10 m.

Groundwater Monitoring



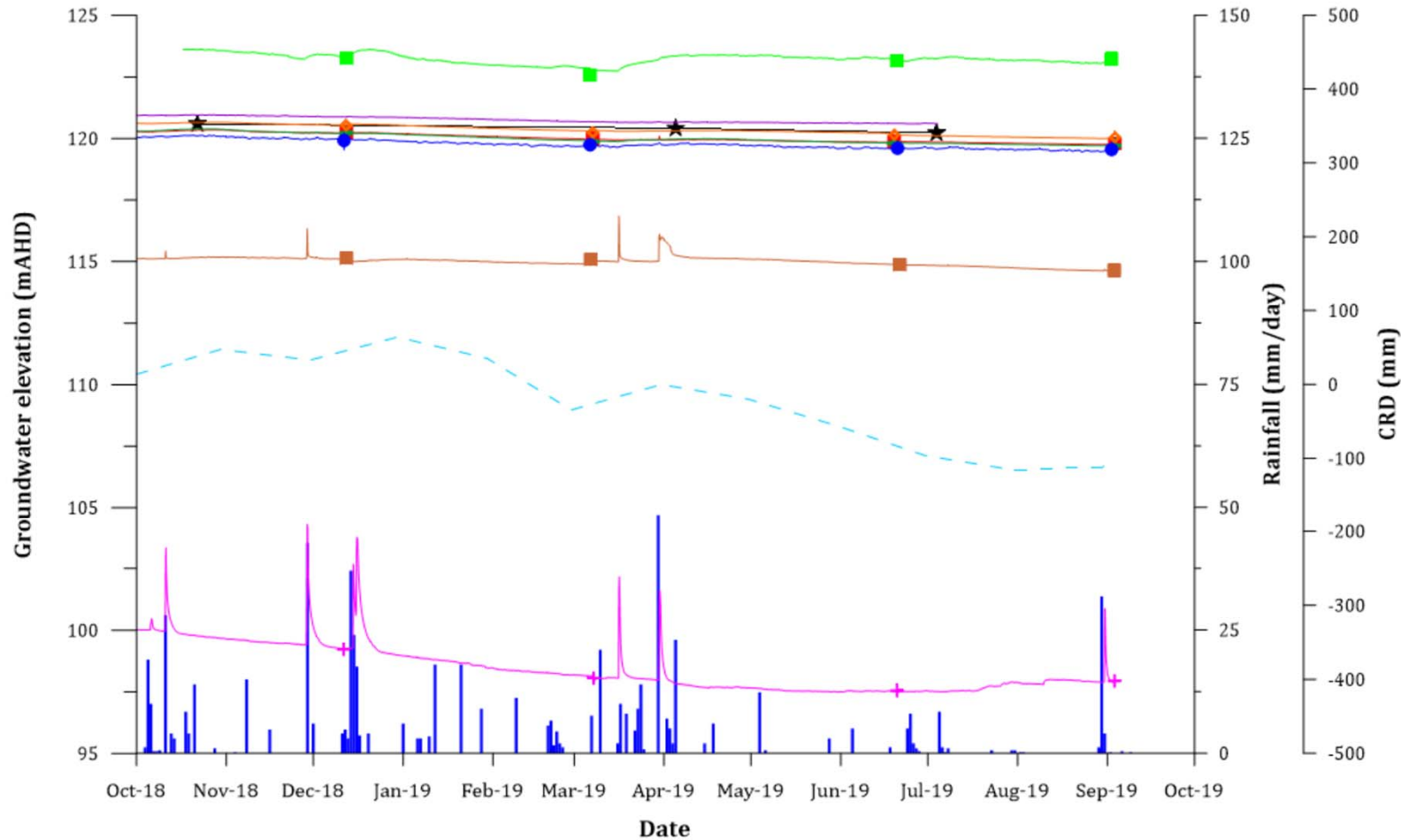
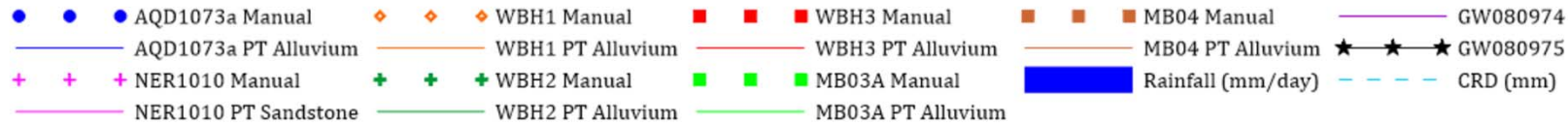
**Stage 3 MB01 sandstone aquifer
groundwater level hydrograph**

Groundwater Monitoring



Stage 3 MB02 sandstone aquifer groundwater level hydrograph

Groundwater Monitoring



Stage 2 & Bellbird South alluvium and sandstone aquifer and Water NSW groundwater level hydrographs

Noise Monitoring

Since last CCC meeting (28 August – 26 November 2019)

- NIL noise exceedances since last meeting

Since last CCC meeting (28 August – 26 November 2019)

■ **Monitor V7 – 345 Quorrobolong Road**

- Monitoring commenced 11 June 2013
- No new vibration events recorded greater than 1mm/s on any axis

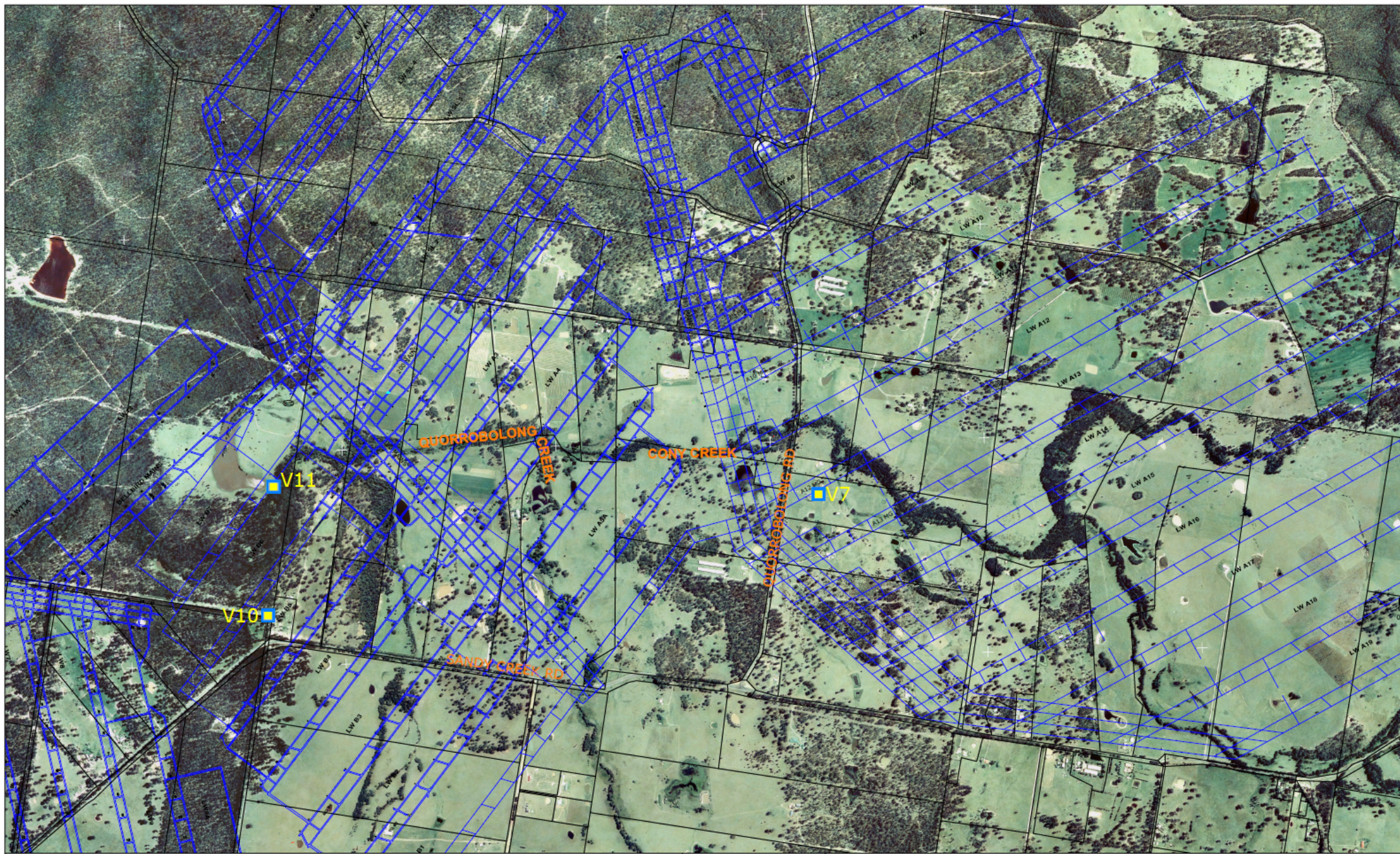
■ **Monitor V11 – above LWB6**

- Monitoring commenced 19 July 2017
- 13 new vibration events recorded greater than 1mm/s on any axis recorded from 11/10/2019
- Ranging between 1.16-4.35 mm/s peak vibration
- Mining commenced in LWB6 on 27/09/2019

■ **Monitor V10 – above LWB5**

- Monitoring commenced 28 August 2017
- 28 new vibration events recorded greater than 1mm/s on any axis recorded from 11/10/2019
- Ranging between 1.1-5.28 mm/s peak vibration

■ **Minimal risk of cosmetic damage criteria 15 mm/s (BS 7385:1993)**



LEGEND:

■ V7 Vibration Monitors

DRAWN
J. Chadwick
DATE
21/1/2019
CHECKED
C. McCormack
APPROVED
C. McCormack

AUSTAR COAL MINE

TITLE
Figure 11: Vibration Monitoring Locations

SCALE
Not to scale

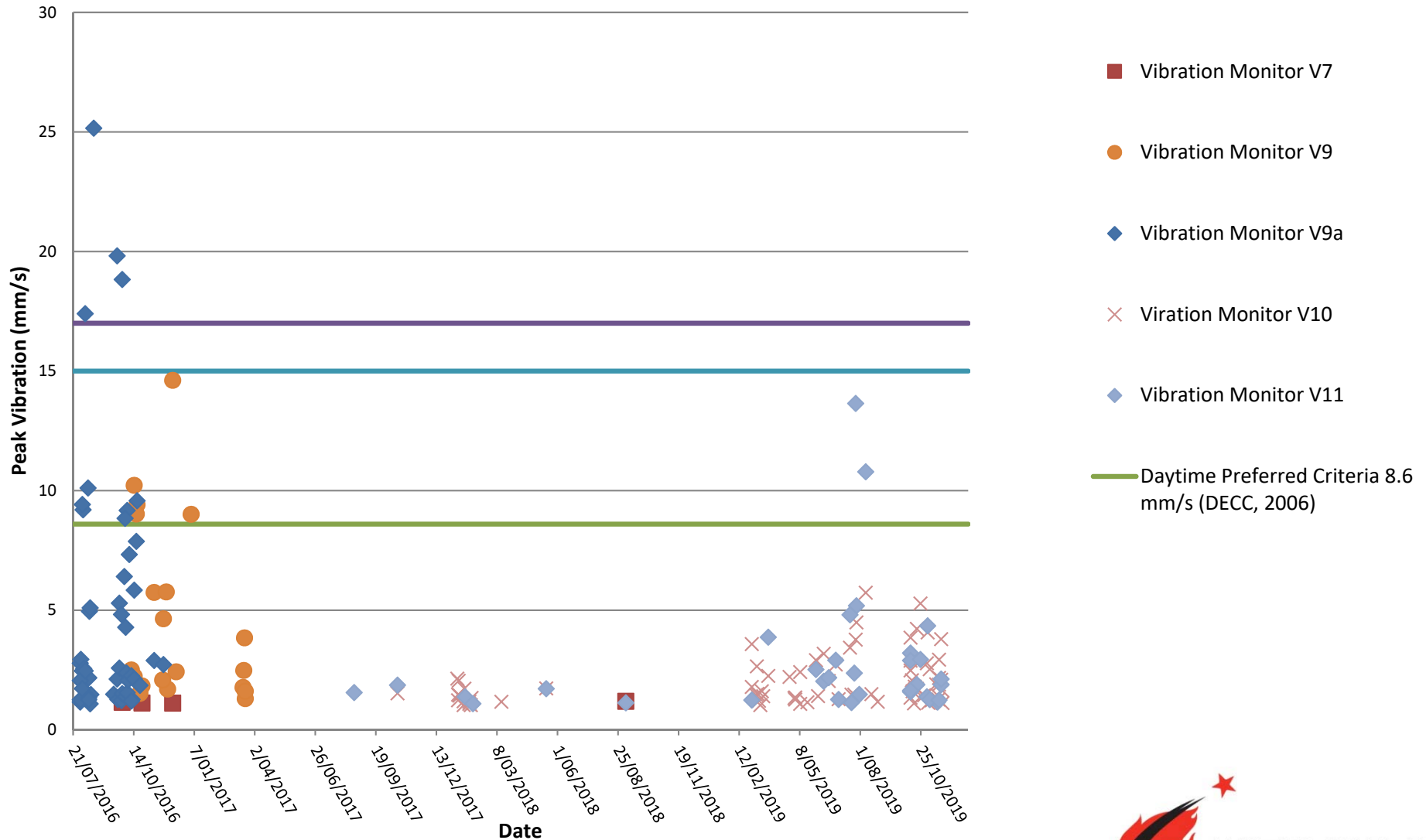
DRAWING No.
Environmental/ Monitoring Plan

A3



Vibration

Austar Peak Ground Vibration - Night and Day Combined (Events > 1mm/sec)



Other Monitoring

Ecological Monitoring Program 2019

- Undertaken over the Bellbird South and Stage 3 Mining Areas
- The program seeks to collect quantitative information at representative locations to enable detection of substantial and unpredicted ecological impacts should they occur
- To date there is no evidence of any impacts on ecological features as a result of longwall mining

Archaeological Baseline Monitoring

- Baseline recording of archaeological sites within the LWB4-LWB7 mining area was completed on accessible properties

Community Complaints

Since last CCC meeting (28 August – 26 November 2019)

- NIL Community Complaints

General Business



Community Sponsorship and Donations

Community Support Program 2020

- Applications closed 4 November 2019
- 17 applications received
- Committee review and selection process in coming weeks

Community Donations

- Cessnock City Council Summer Reading Club
- Cessnock High School End of Year Presentation
- Mount View High School End of Year Presentation
- Abermain Public School P&C Carols by Candlelight

Bushfire Response Planning

- Site wide notification of fire danger days Very High and above
- Work Hazard Control Plans to factor in bushfire risk, plan escape routes and operators to report any signs of smoke immediately
- Notification SMS process implemented for leaders and supervisors
- Bushfire Response Planning Workshop held with leadership team on 1 November 2019
- Ongoing liaison with RFS

Completed Reports and Studies

- Annual Review 2018-19 – Lodged with DPIE & DRG September 2019
- National Pollutant Inventory Report – Lodged with Federal Department of Environment & Energy September 2019
- National Greenhouse and Energy Reporting – Lodged with Federal Clean Energy Regulator October 2019

Other Business –

Next Meeting / Close