

Austar Coal Mine

Community Consultative Committee Meeting Minutes

Location: Boardroom – Austar Main Administration Building, Middle Road, Paxton
 Time: 9:30am – 10:12am
 Date: 28 August 2019

| Name | Representative |
|-------------------------------------|--|
| Margaret MacDonald-Hill (MMH) | Independent Chairperson |
| Ashlee Baker | Community Representative |
| Peter Sturrock | 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 |
| Chief Inspector Michael Gorman (MG) | NSW Police Service (Cessnock) |
| Apologies | |
| John Rayner (JR) | Community Representative |
| Brian Wesley (BW) | Austar Coal Mine |
| 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. AS moved, CM seconded. |
| 4 | Business Arising from Previous Minutes MMH advised Departmental approval of MG to the Committee. |
| | No business from previous minutes. |
| 5 | Correspondence |
| | Correspondence was included in the agenda, no further discussion. |
| 6 | Current Operations, Environmental Monitoring Update, Complaints |
| | CM – gave update on operations and planned exploration activities (as detailed in the attached presentation). PS – where is explorations planned for? CM – exploration activities are planned for south of the Stage 3 mining area. Specific locations of drill holes have not been determined as no consultation with landholders has been undertaken yet. PS – is there any planned changes to workforce numbers? CM – returning operations to the Stage 3 area continues to be assessed. Mining will continue in LWB6 for the next quarter, with manning remaining at current levels during this time. If mining goes ahead in Stage 3, there will be considerable time taken to re-establish infrastructure before the commencement of development mining. CM – outlined the noise exceedance on 11 June 2019 (detailed in presentation) AB – noted the noise at her residence on this night was much louder than usual. CM – explained the conditions were very still and noise carried very easily. |
| 7 | General Business |

| | |
|-----------|---|
| | <p>CM – outlined Austar’s Bushfire Management Planning, including reviewing fuel loads, water supplies, monitoring roads and tracks around site for accessibility, and encouraged the CCC to review their Bushfire Management Plans.</p> <p>PS – reiterated that this summer, bushfire management is going to be a very important issue due to current conditions.</p> <p>MG - shared with the CCC that Brian and Justin from Austar Mine took some of the police officers from Cessnock Station on an underground mine tour last week, which was very interesting and a worthwhile visit to better understand the site and the operation and passed on his thanks to the mine for hosting the visit.</p> <p>AB – noted that she had received feedback from residents close to Frances St that it has been very dusty due to the current operations at the Aberdare Emplacement Area.</p> <p>CM – noted that we have been undertaking inspections of that area, especially on higher wind days, and that the water cart has been operational while trucks are running, and that we will continue to monitor while the rehabilitation activities are undertaken.</p> |
| 8 | Meeting Dates |
| | <p>2019 meeting dates:</p> <ul style="list-style-type: none"> ○ 27 November 2019 |
| 10 | Meeting Closed |
| | MMH – Declared the meeting closed at 10:12am. |

Recorded: Julie McNaughton 28 August 2019

AUSTAR COAL MINE

COMMUNITY CONSULTATIVE MEETING

Q3 2019
28 August 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

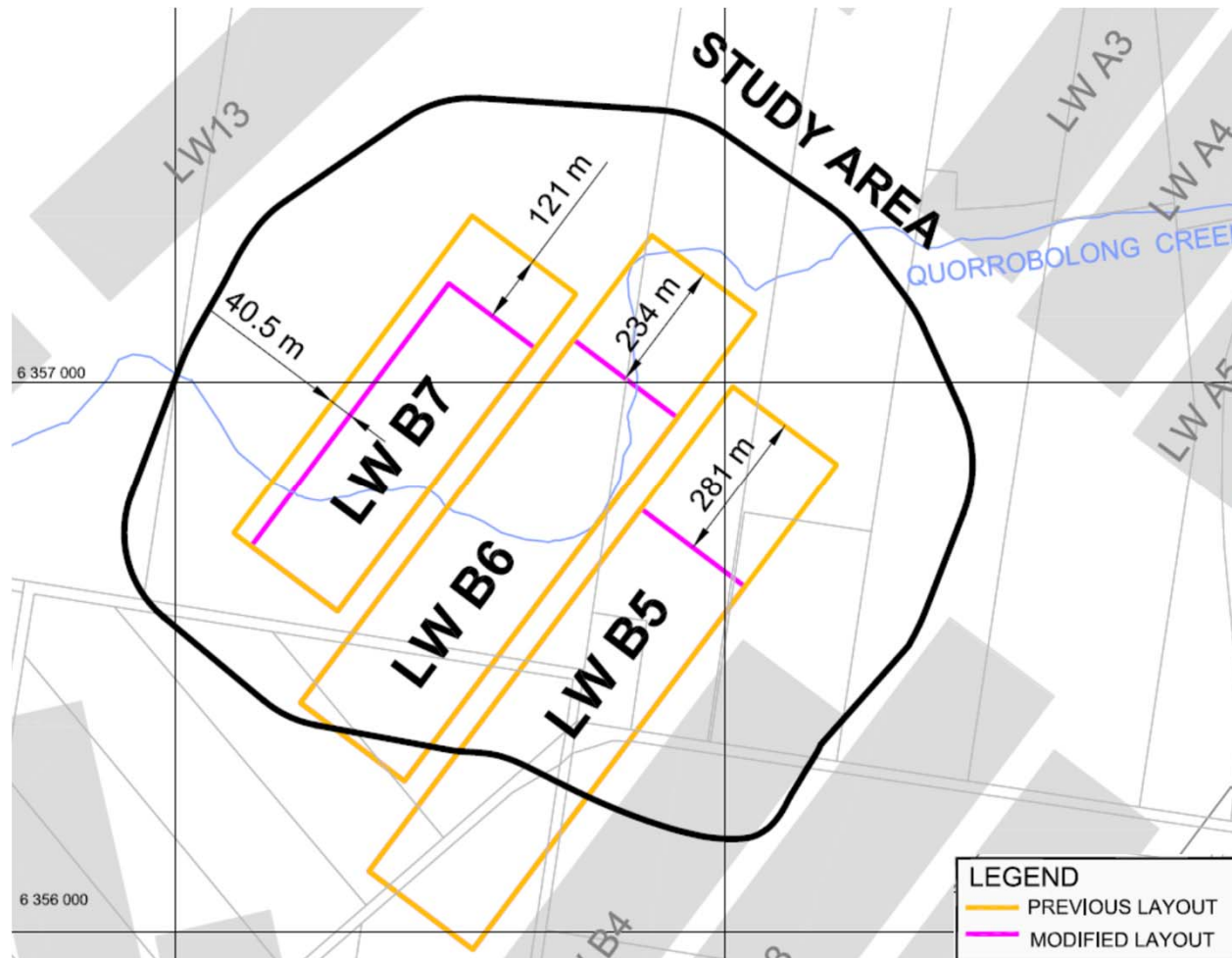
Current Operations



Current Operations

Underground Mining Operations

- Approval from Department of Planning, Industry and Environment (DPIE) was granted on 7 August 2019 to shorten the lengths of LWB5 and LWB6 through revised panel finishing points and also to reduce both the length and width of LWB7



Current Operations

Underground Mining Operations

- Longwall mining in panel LWB5 was completed on 17 August 2019
- Currently moving longwall mining equipment to LWB6, with mining scheduled to commence in late September to early October 2019
- Mining of LWB6 planned for completion in February 2020
- Surface vibration events are being recorded in the current mining area
- There were two coal burst events during the extraction of LWB5. On both occasions, remote mining was being undertaken due to predicted elevated coal burst risk and personnel were well clear (>190m) from the events. There are nil predicted high coal burst potential areas identified in the LWB6 panel
- At this stage, the development and extraction of LWB7 is deferred to a later, not yet defined, date
- 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)

- CHPP operating and consistently washing coal since last meeting
- Plant maintenance activities being undertaken during the longwall move (August/September) with normal production resuming in October for remainder of the LWB6
- Predicted to increase to 3-4 trains/day in September until completion of LWB6
- Rehabilitation activities continuing at Aberdare Coarse Reject Emplacement Area



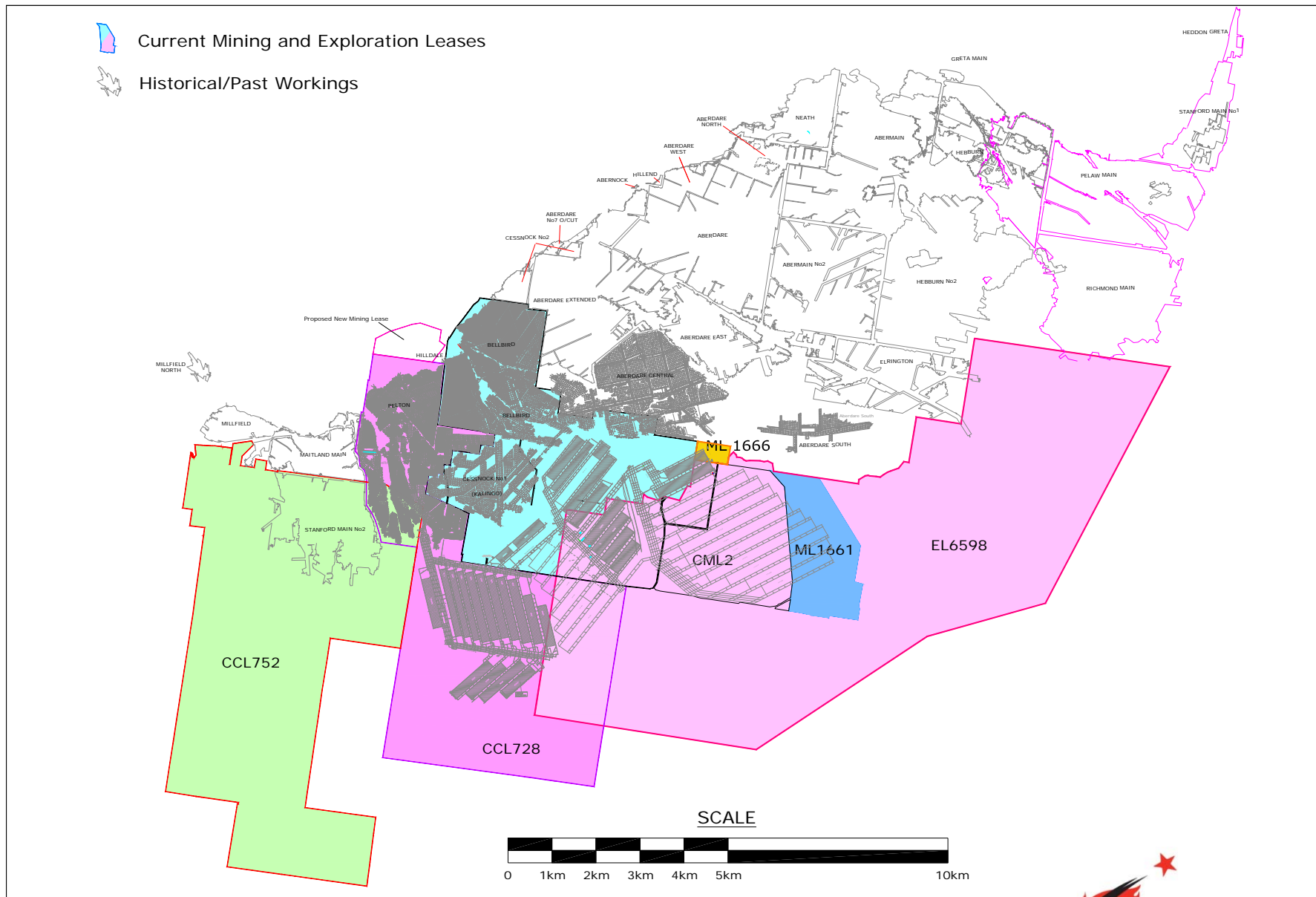
Current Operations

Exploration

- Meeting held with DPIE Division of Resources and Geoscience (DRG) on 26 June 2019, discussing:
 - Company overview
 - Austar tenements
 - Site overview
 - EL6598 Work Program and Expenditure

- EL6598 Annual Activity Report
 - Lodged with DPIE DRG on 12 August 2019
 - Details exploration activities within EL6598 during the 12 month reporting period 13 July 2018 to 12 July 2019

Current Operations



Environmental Incidents

Environmental Incidents (29 May – 27 August 2019)

Noise Criteria Exceedance - CHPP

- Exceedance of noise limits at NMC1 (West CHPP) and NMC3 (North CHPP) during routine compliance monitoring on night of 11 June 2019
- Follow-up monitoring 13 June 2019 compliant with noise limits
- Contributing factors: idling locomotive and compressor noise in combination with conveyor and dozer track noise; weak inversion conditions potentially causing enhanced noise levels
- Reported to Department of Planning, Industry and Environment (DPIE) and Environment Protection Authority (EPA)

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

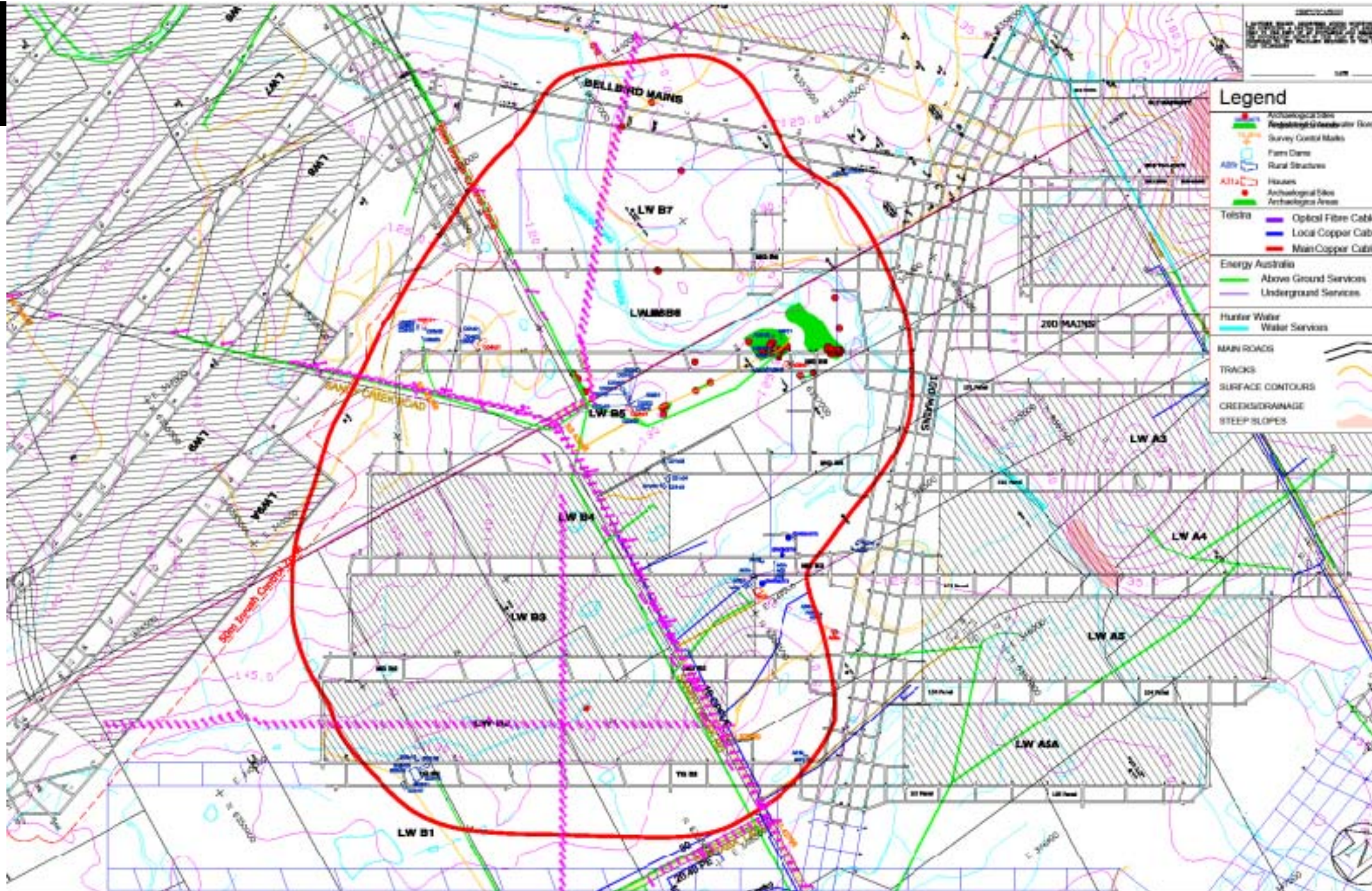
- Continue to monitor surface and groundwater
- Any runoff contained and pumped to precipitate dam

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 540 mm with the last survey conducted on 13 August 2019



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

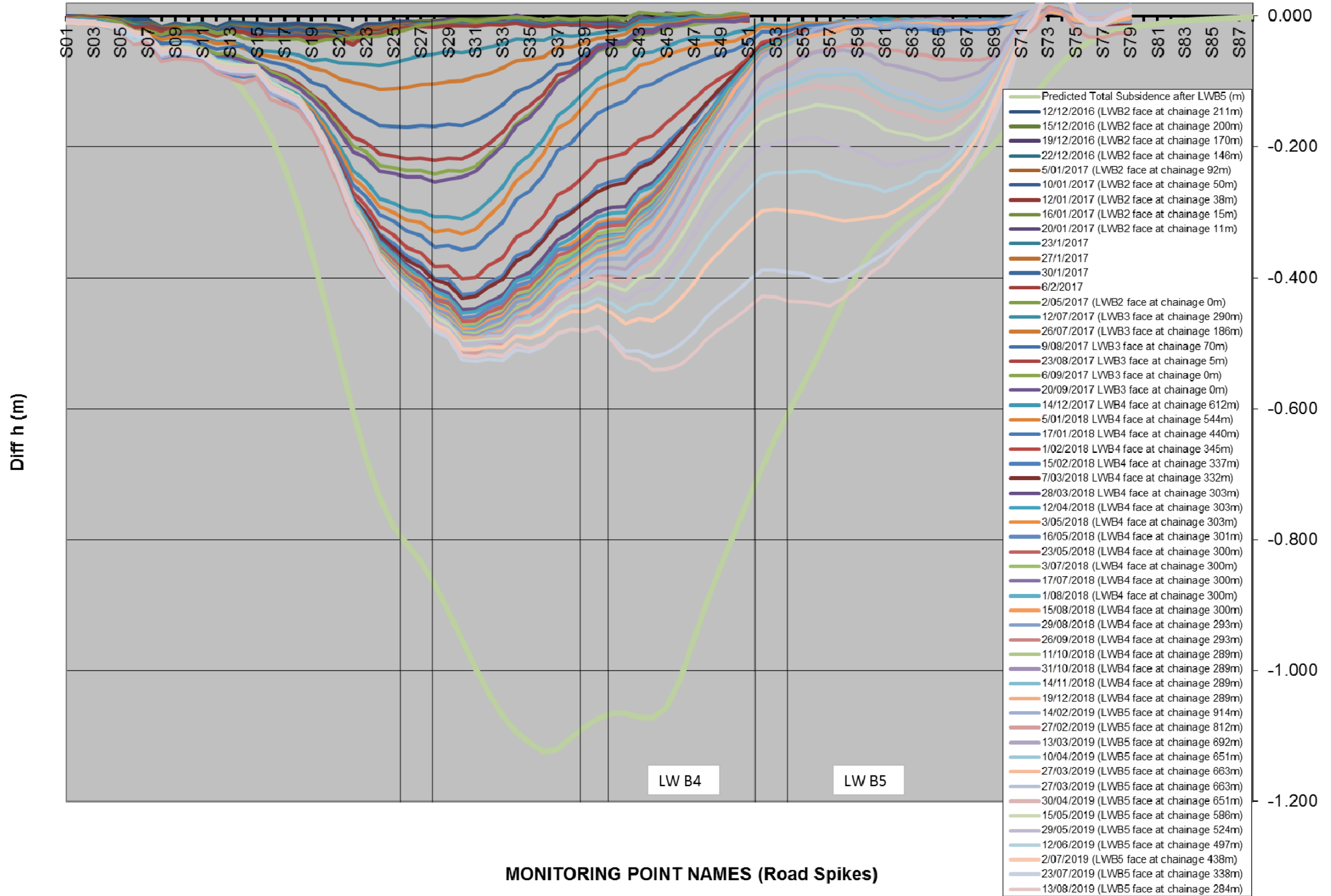


- PROPOSED WORKINGS SHOWING ROADWAY CENTRE DIMENSIONS
- EXISTING WORKINGS
- EXISTING SUBSIDENCE MARK

- ### LEGEND
- LWB1 - B7 EXTRACTION PLAN AREA
 - LONGWALL EXTRACTED AREA
 - SURFACE CONTOURS

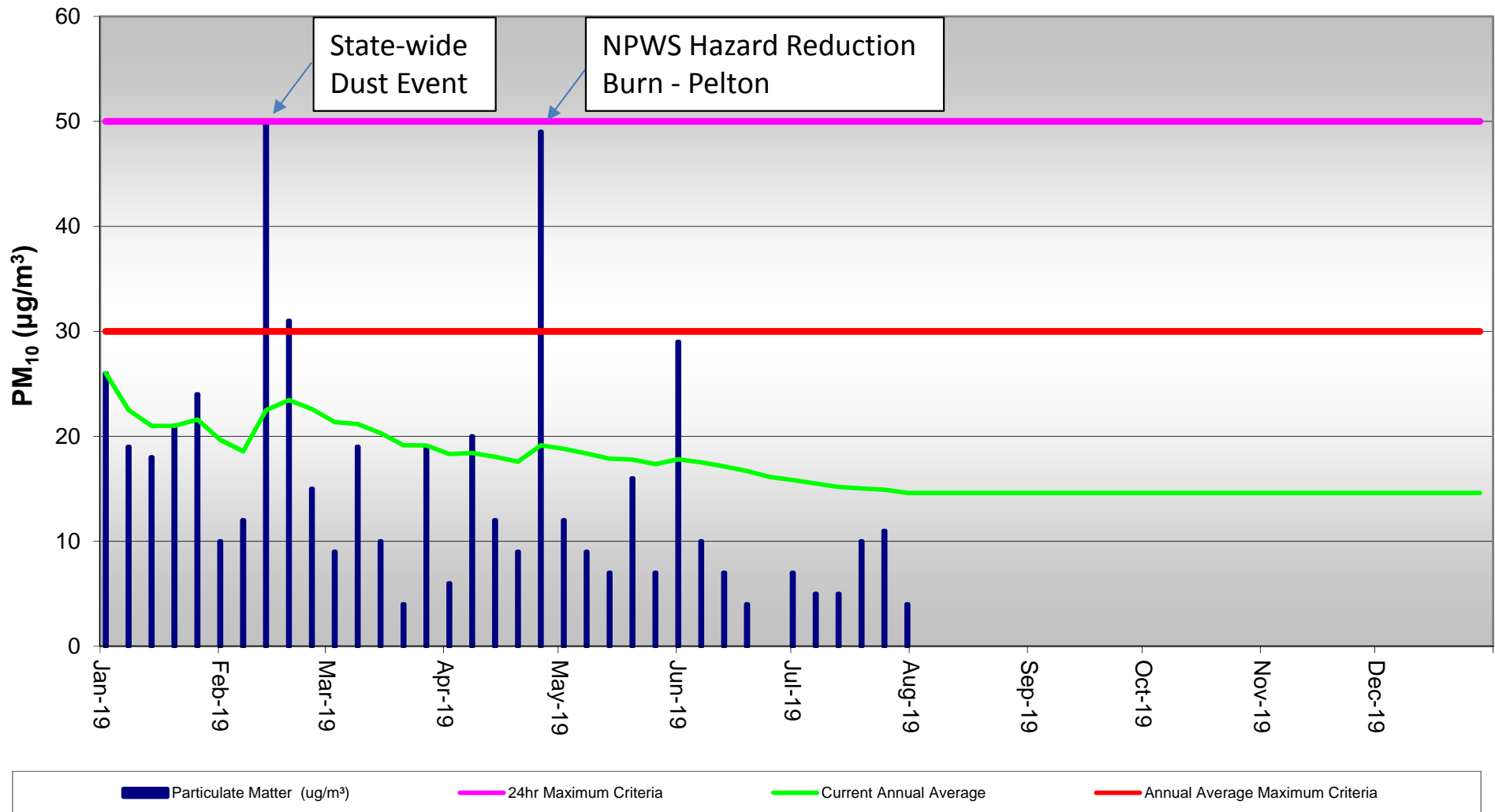
| | |
|--|--|
| AUSTAR COAL MINE YARCOL MINEFIELD PTY LTD | |
| NAME: N. WRIGHT DESIGN DATE: 6/12/2018 DRAWING ENGINEER: MANDY | TITLE: LONGWALL B4-B7 EXTRACTION PLAN APPLICATION SUBSIDENCE MONITORING SURVEY PLAN (CML 2 & CCL 728) |
| SHEET NO: 1:5000 DRAWING NO: EP1807 - PLAN 7 | SCALE: 1:5000 SHEET NO: 70 TOTAL SHEETS: 0 |

Subsidence- LINE "SCR1"



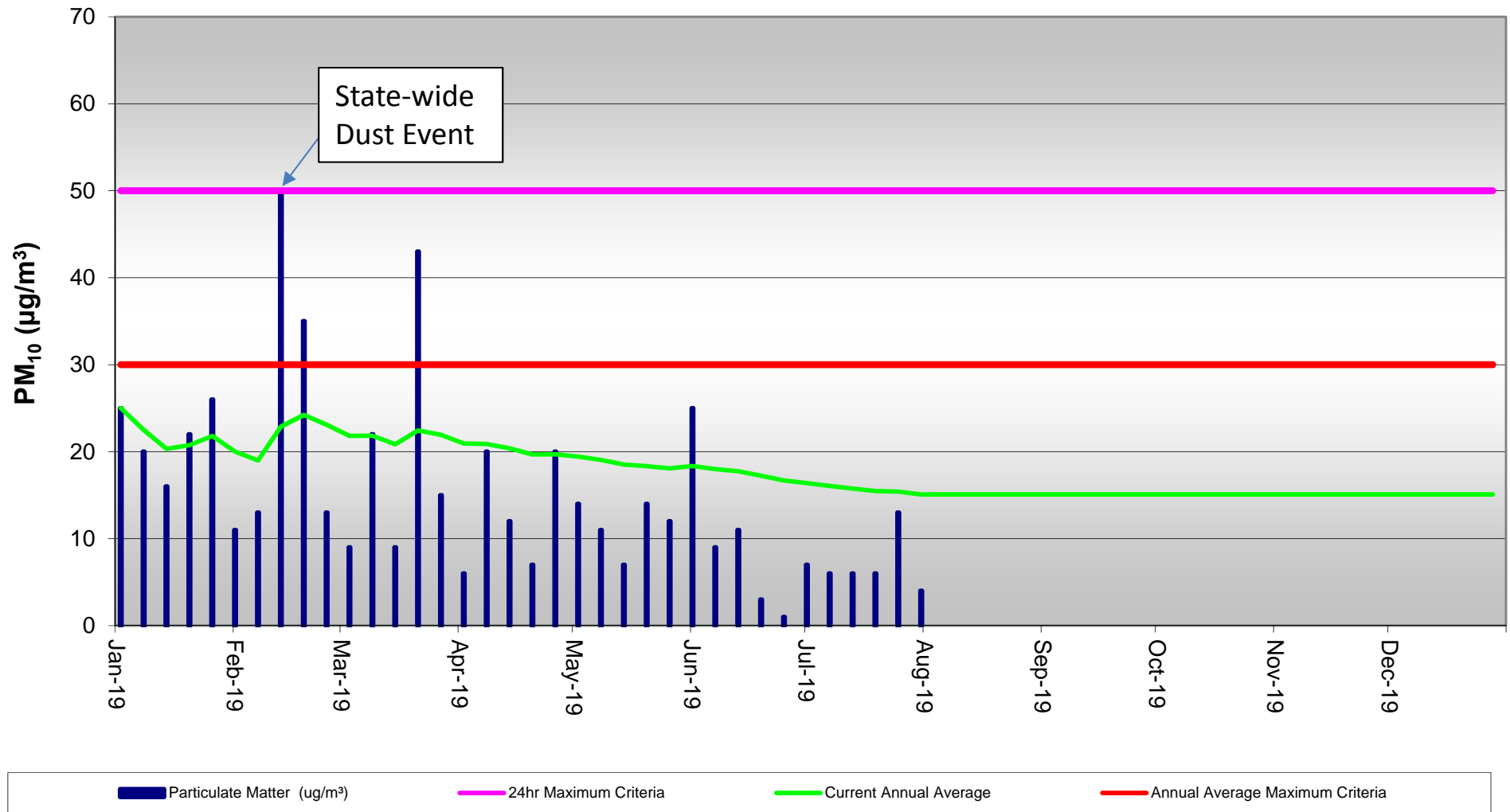
Air Quality

Particulate Matter <10µm (PM₁₀) - HVAS1 (Mount View – West CHPP)



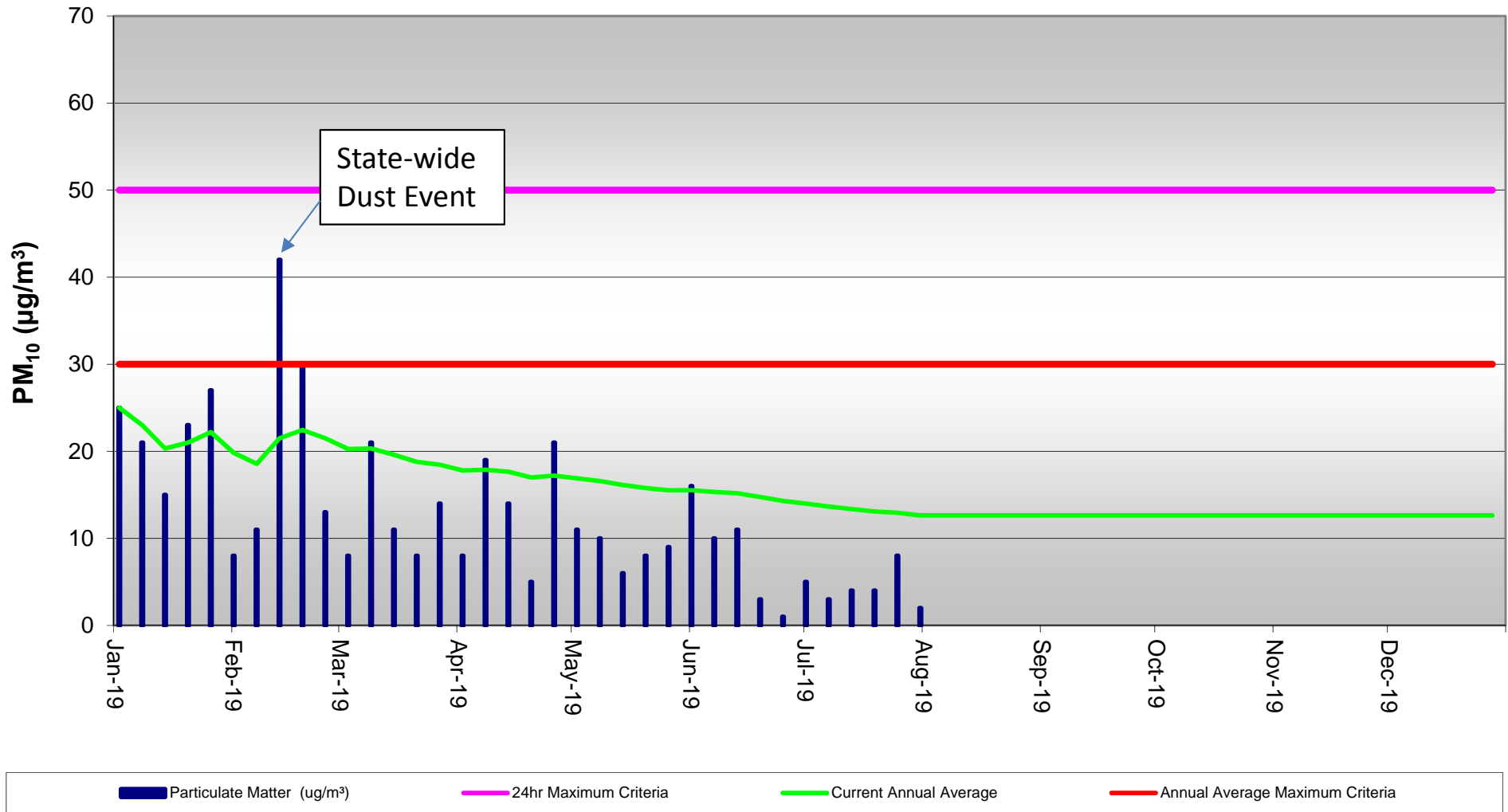
Air Quality

Particulate Matter <10µm (PM₁₀) - HVAS2 (Pelton – East CHPP)



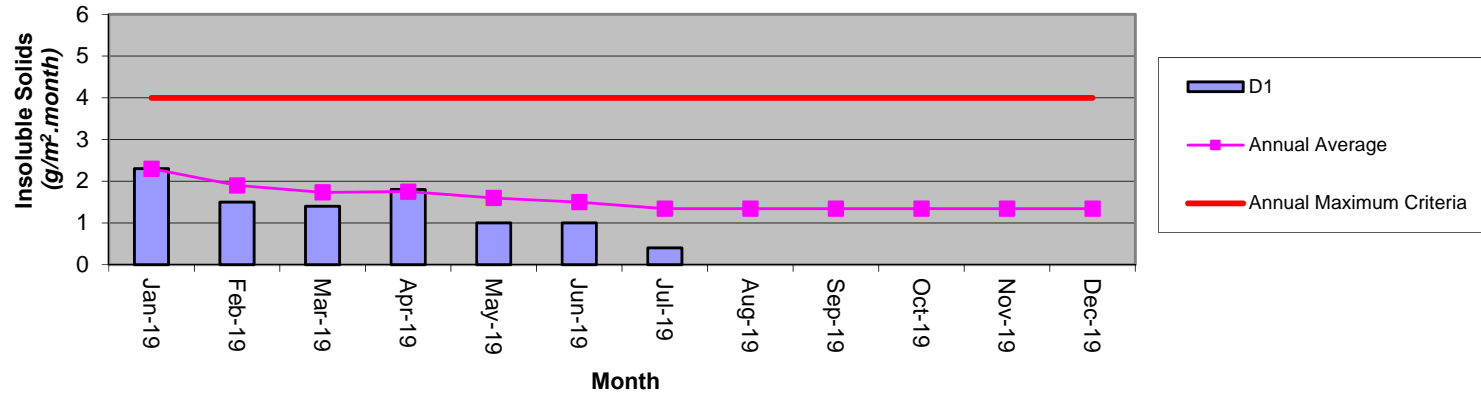
Air Quality

Particulate Matter <10µm (PM₁₀) - HVAS3 (Quorrobolong – East Kitchener SIS)

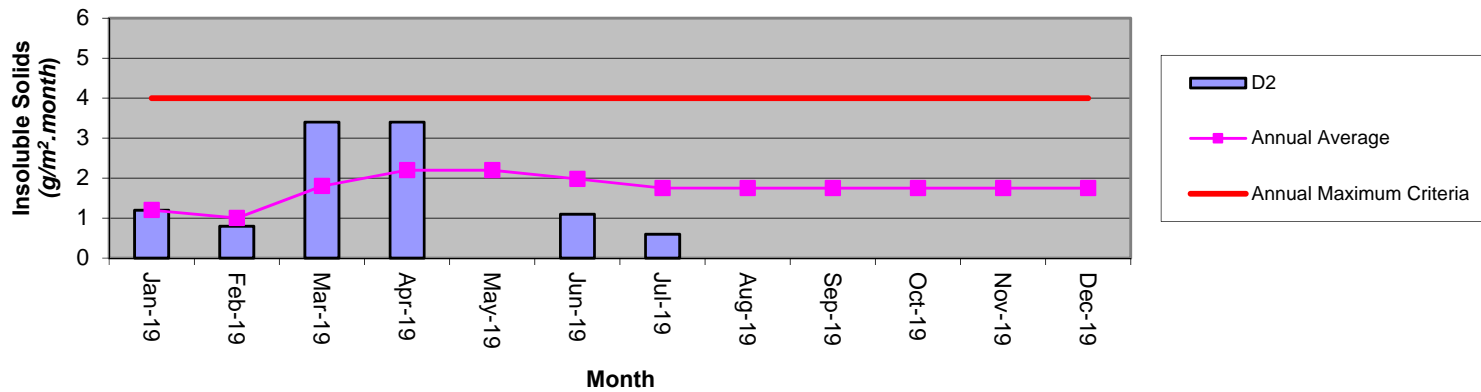


Air Quality

Dust Deposition Gauge D1 - Insoluble Solids

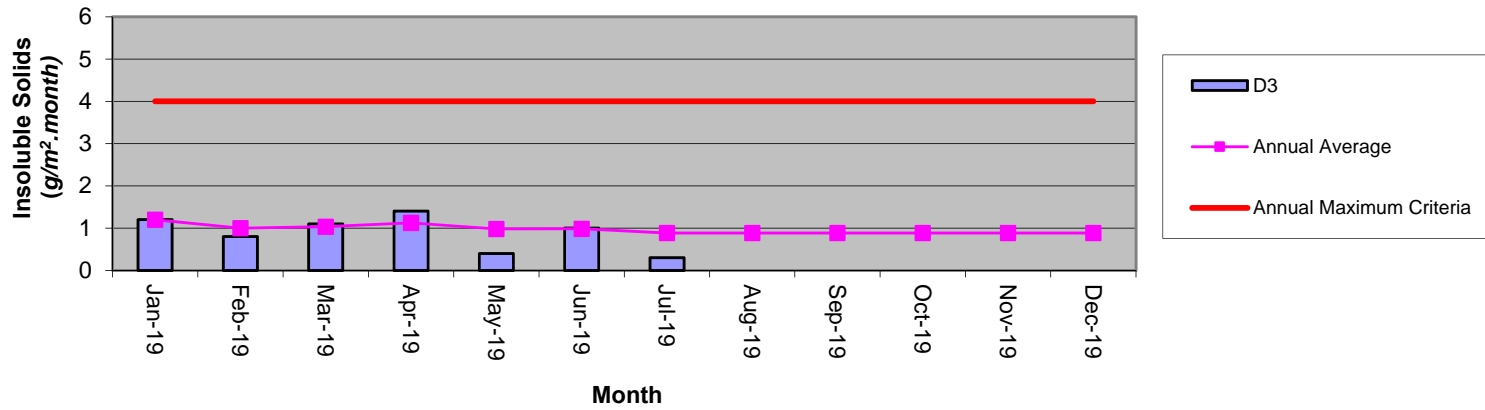


Dust Deposition Gauge D2 - Insoluble Solids

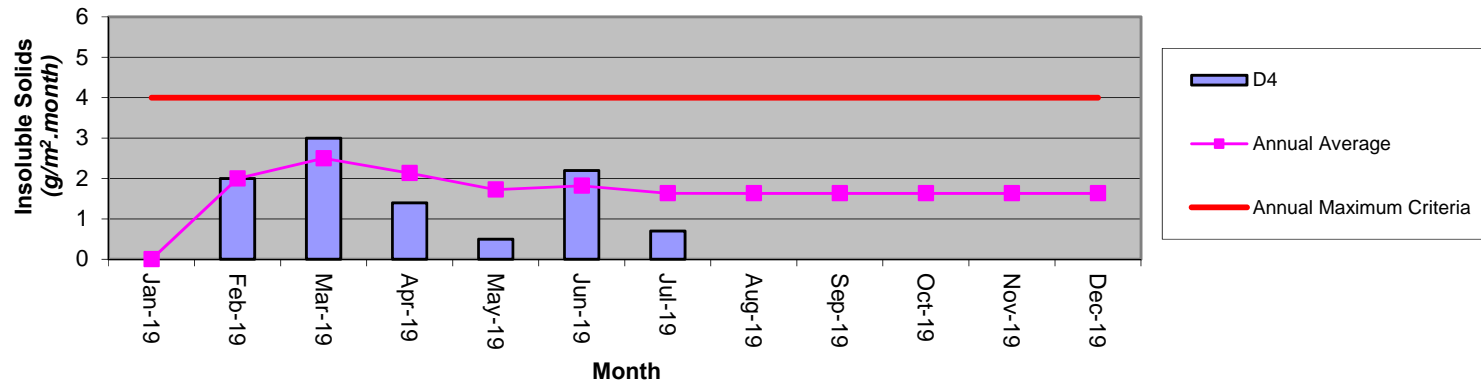


Air Quality

Dust Deposition Gauge D3 - Insoluble Solids

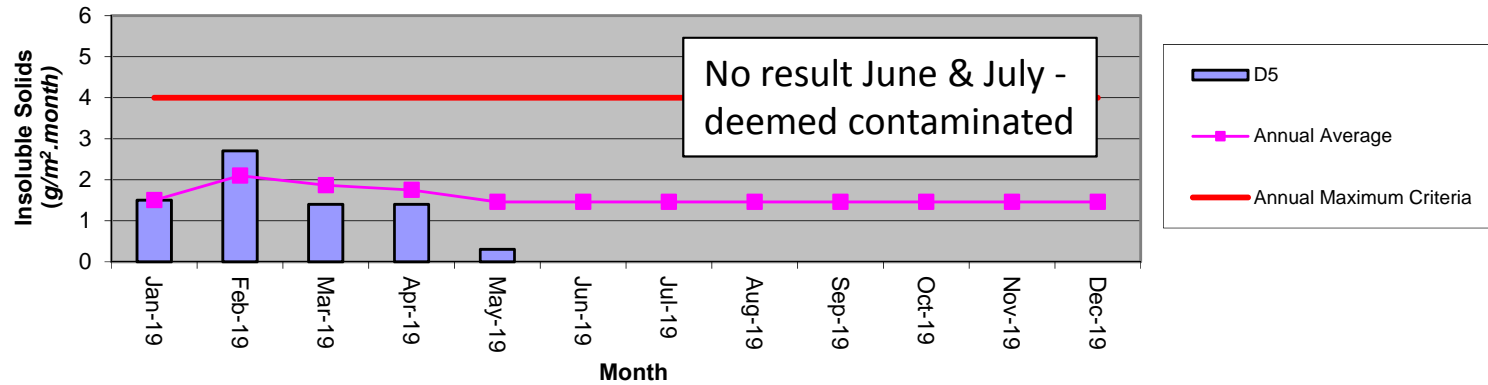


Dust Deposition Gauge D4 - Insoluble Solids

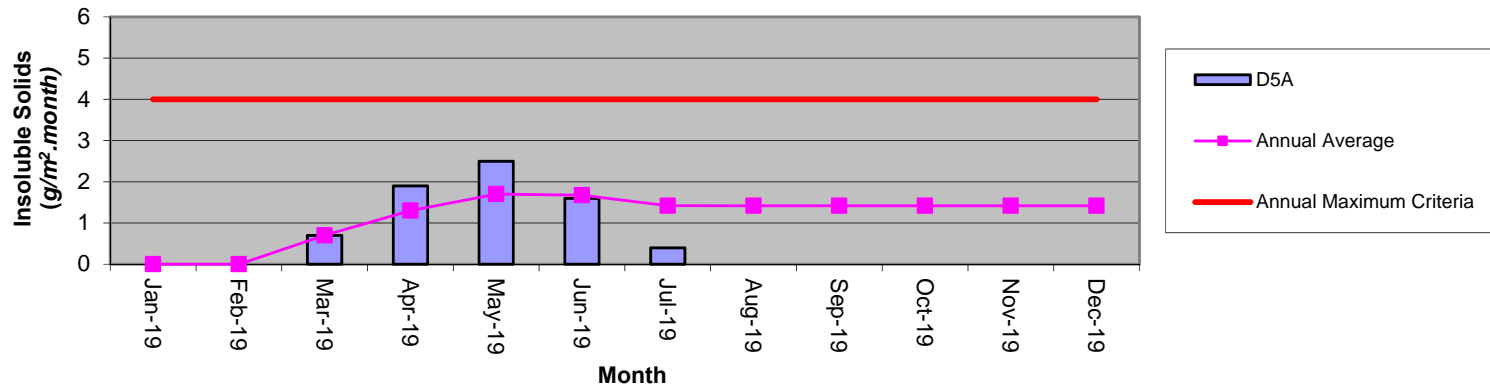


Air Quality

Dust Deposition Gauge D5 - Insoluble Solids

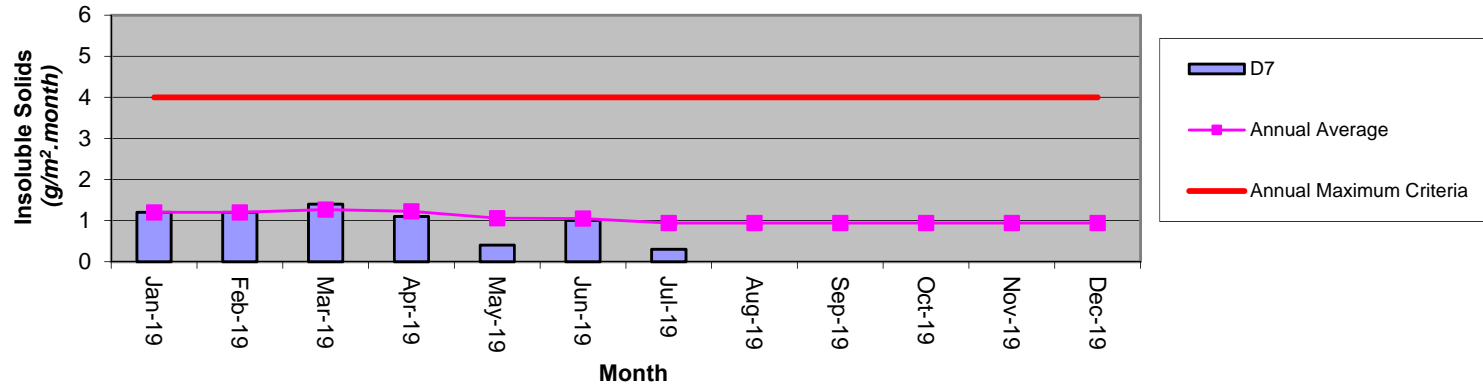


Dust Deposition Gauge D5A - Insoluble Solids

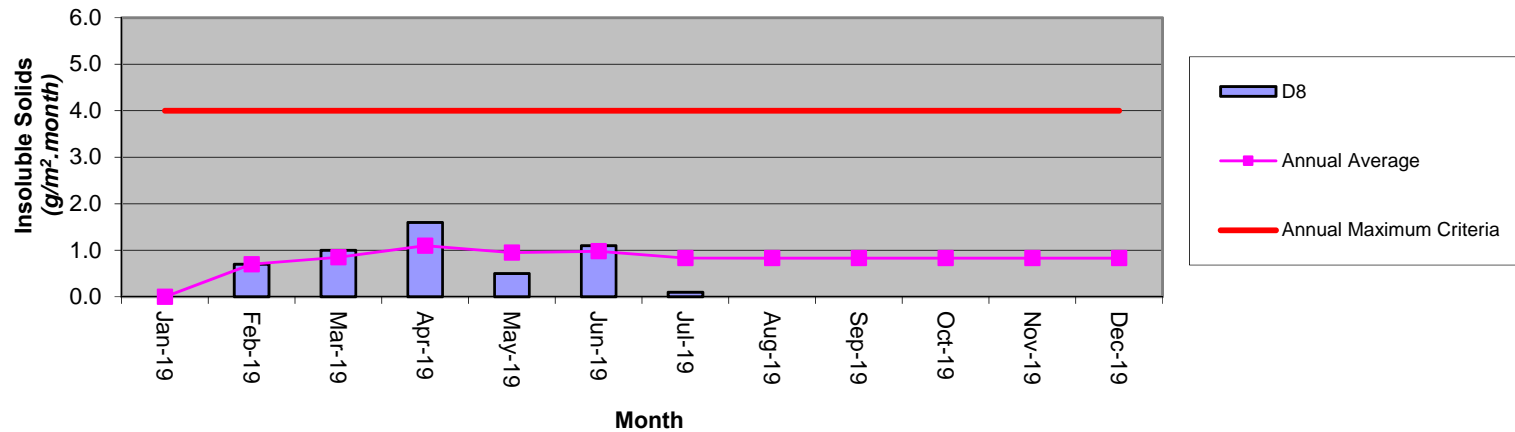


Air Quality

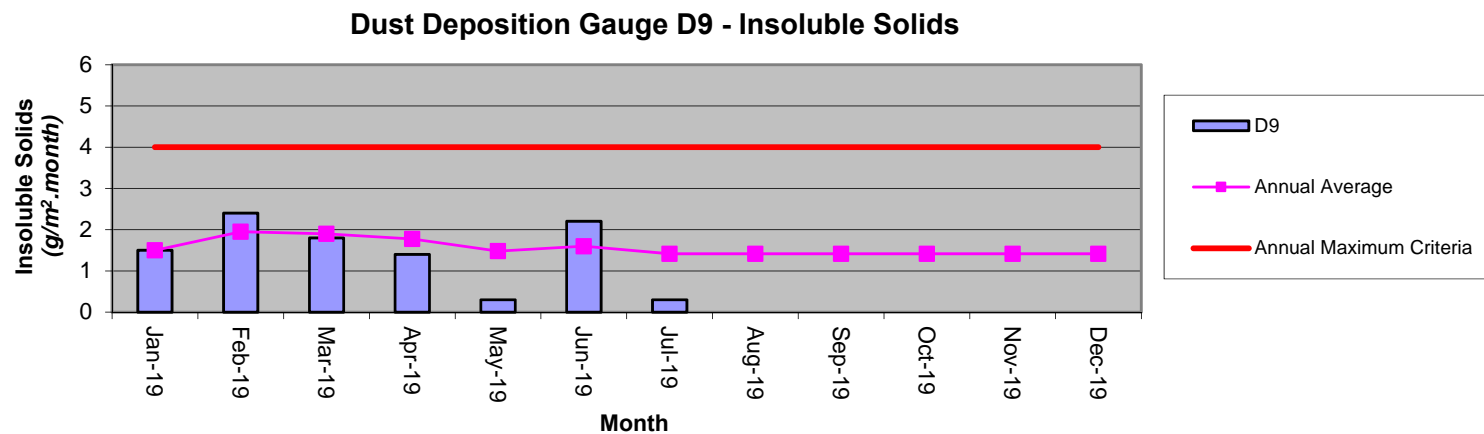
Dust Deposition Gauge D7 - Insoluble Solids



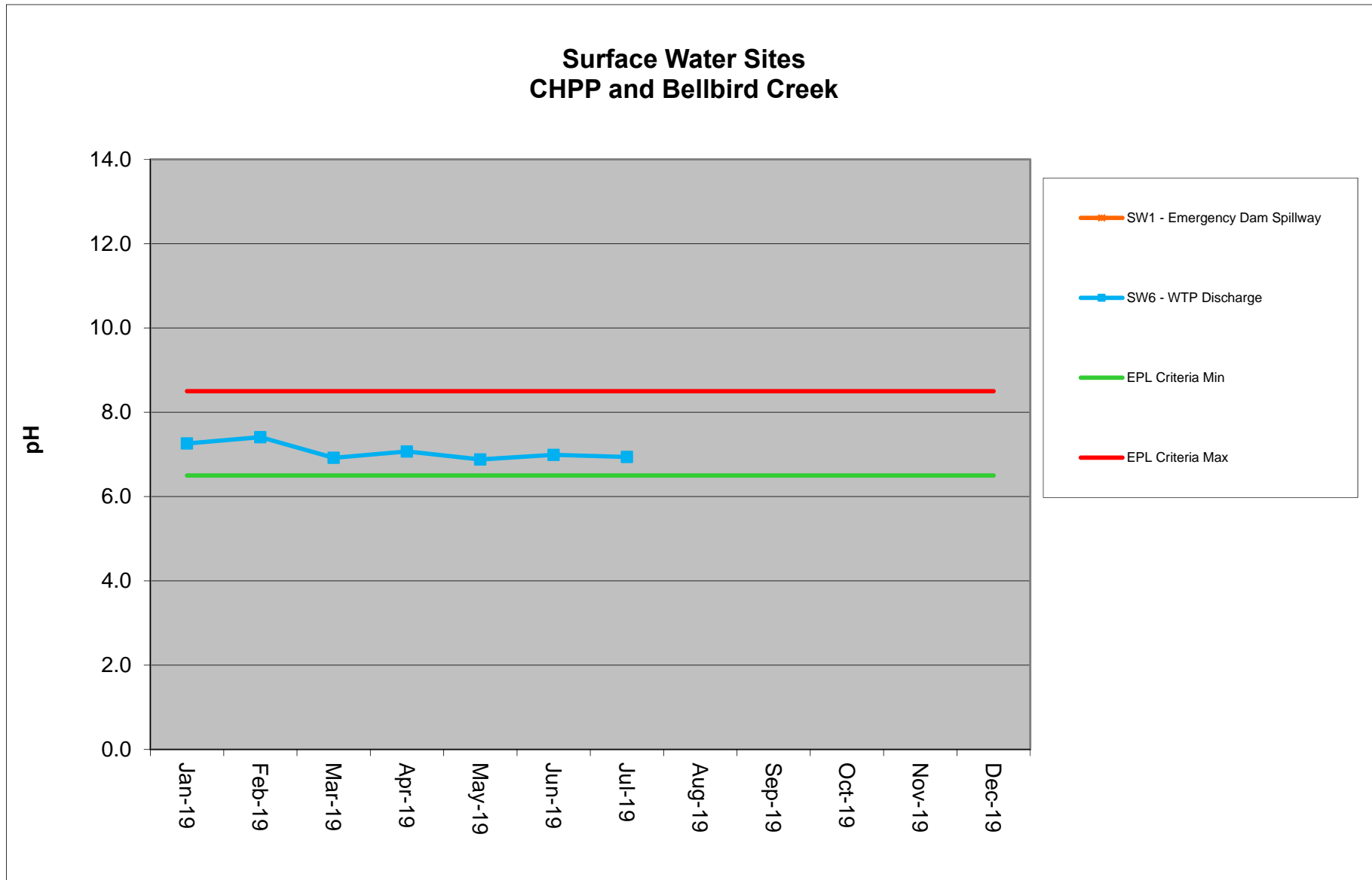
Dust Deposition Gauge D8 - Insoluble Solids



Air Quality

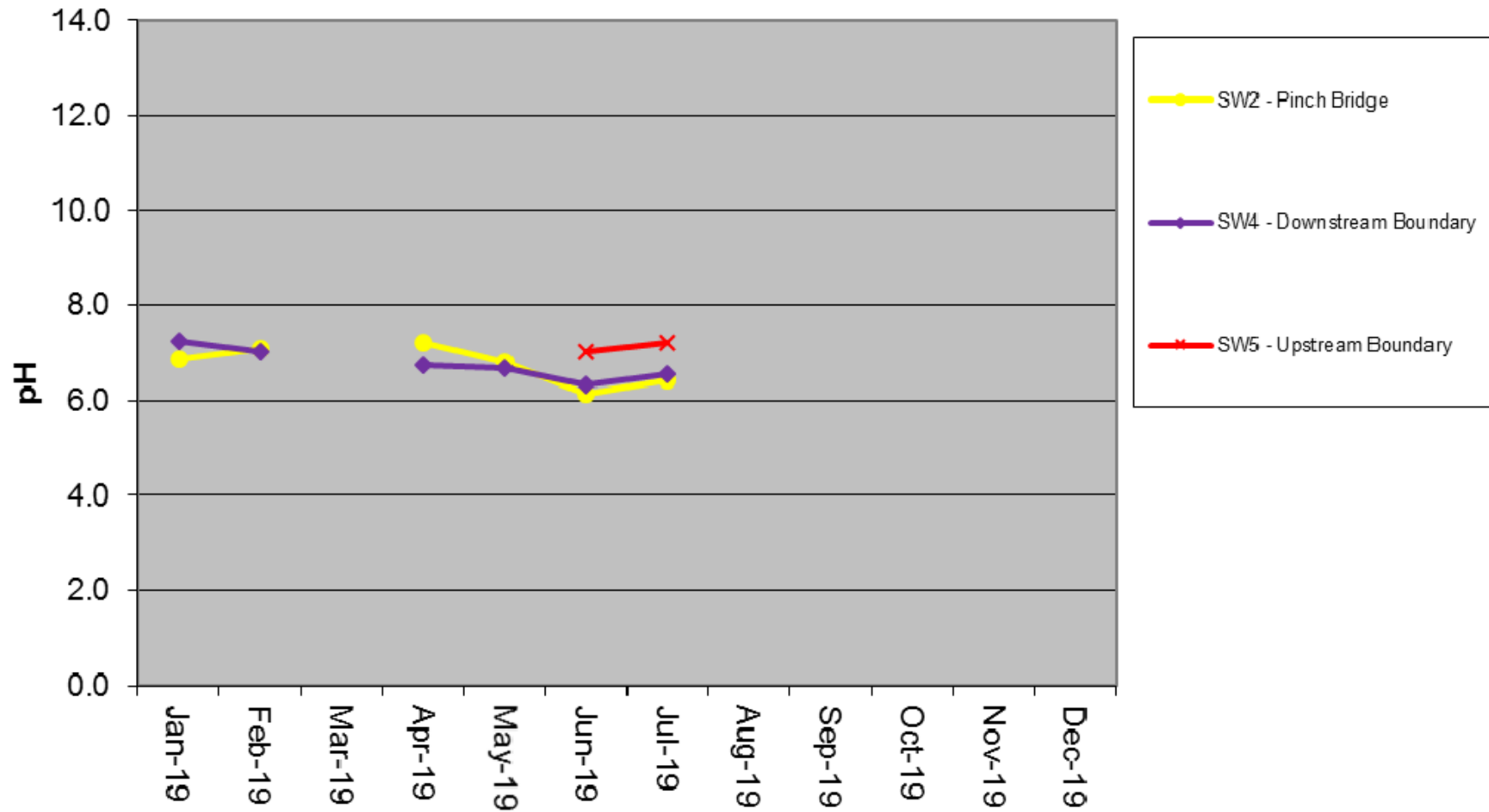


Water Monitoring



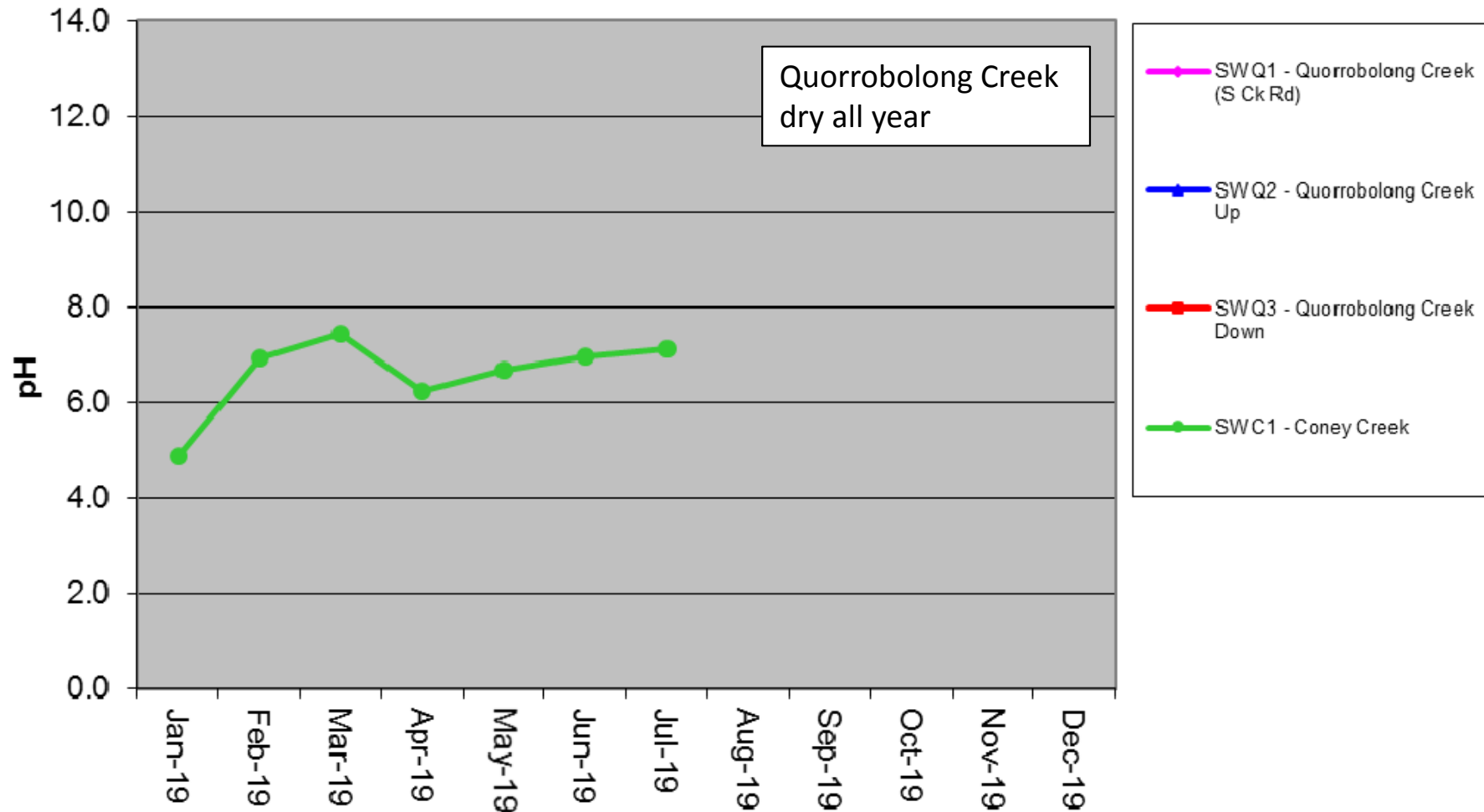
Water Monitoring

Surface Water Sites
CHPP and Bellbird Creek

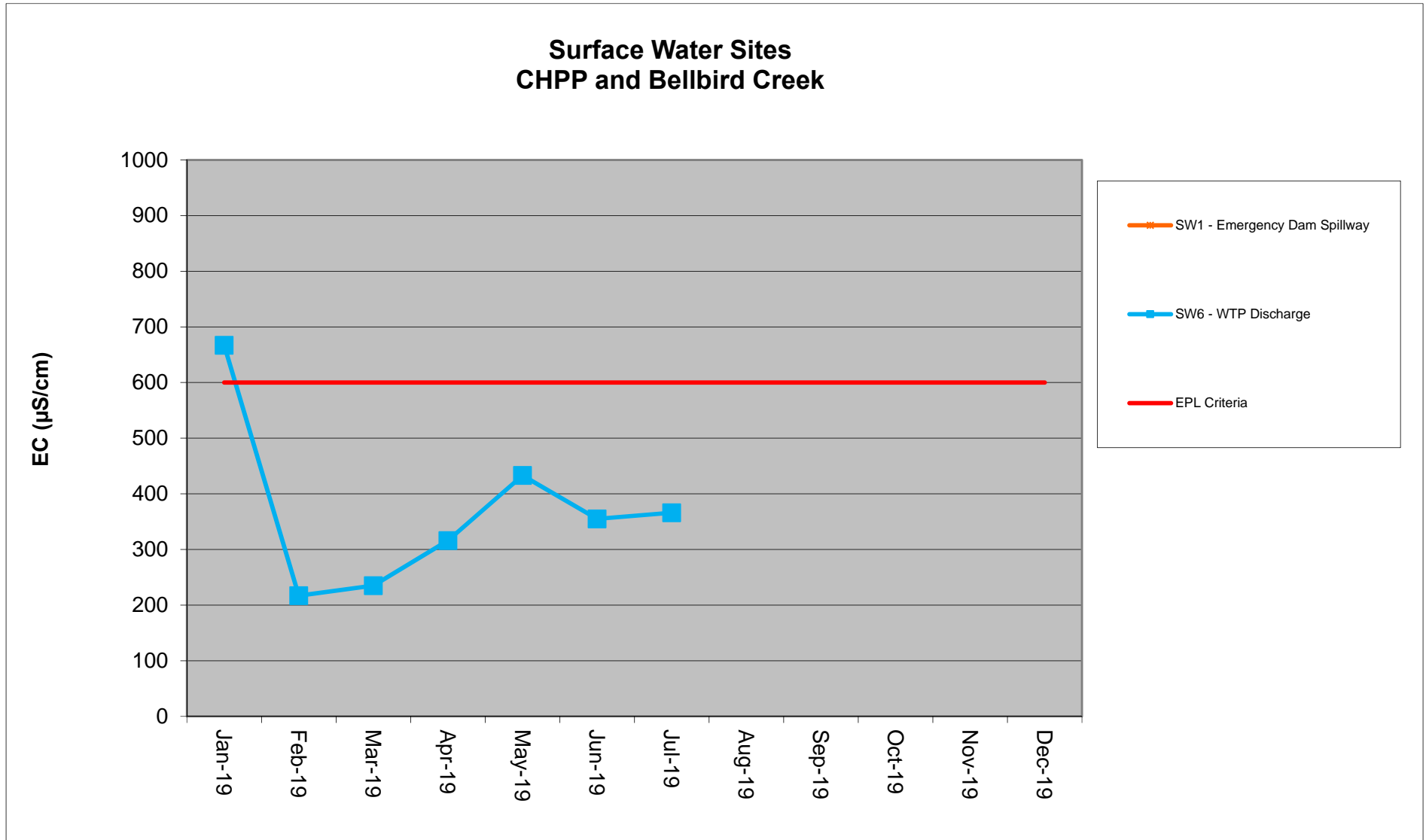


Water Monitoring

Surface Water Sites Quorrobolong Creek and Coney Creek

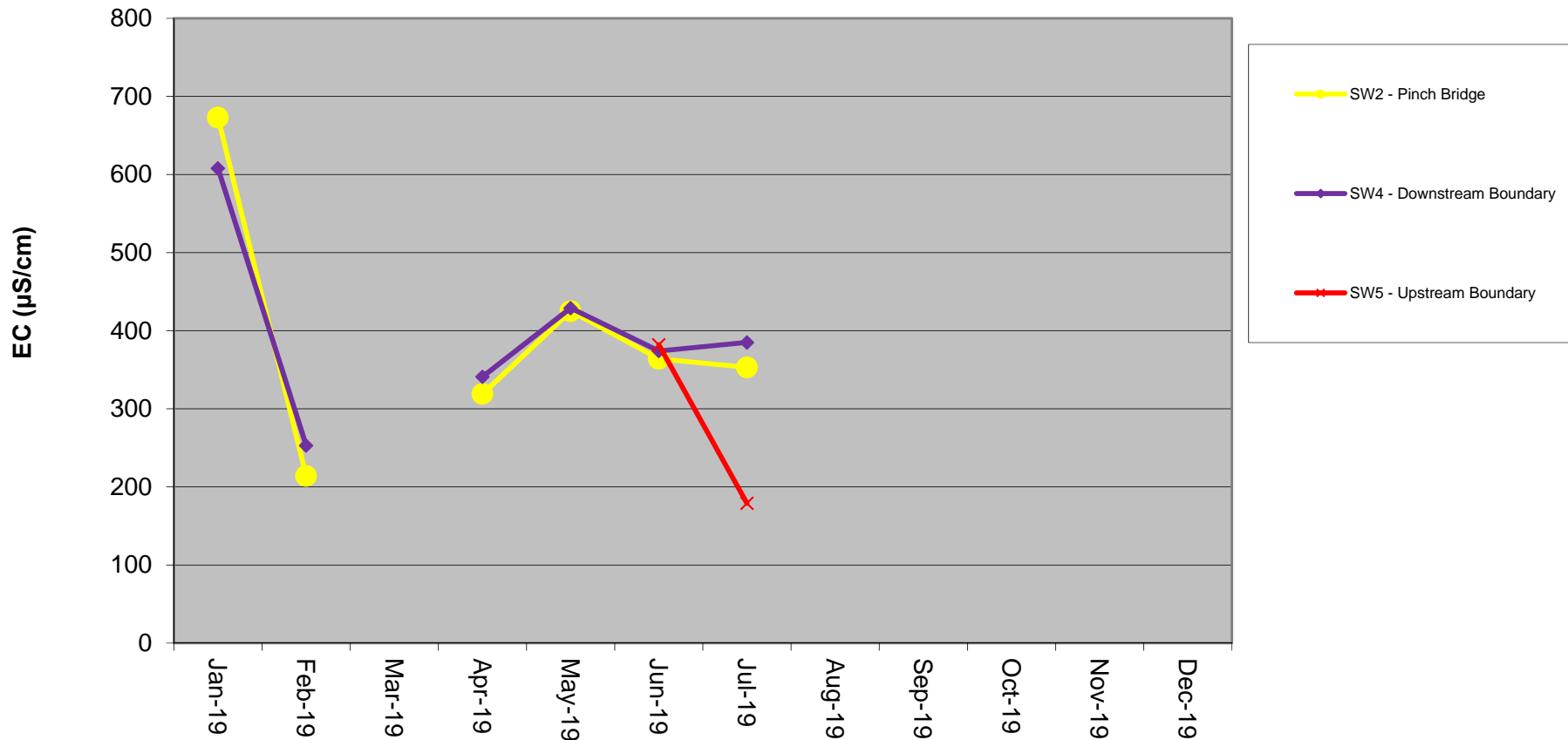


Water Monitoring



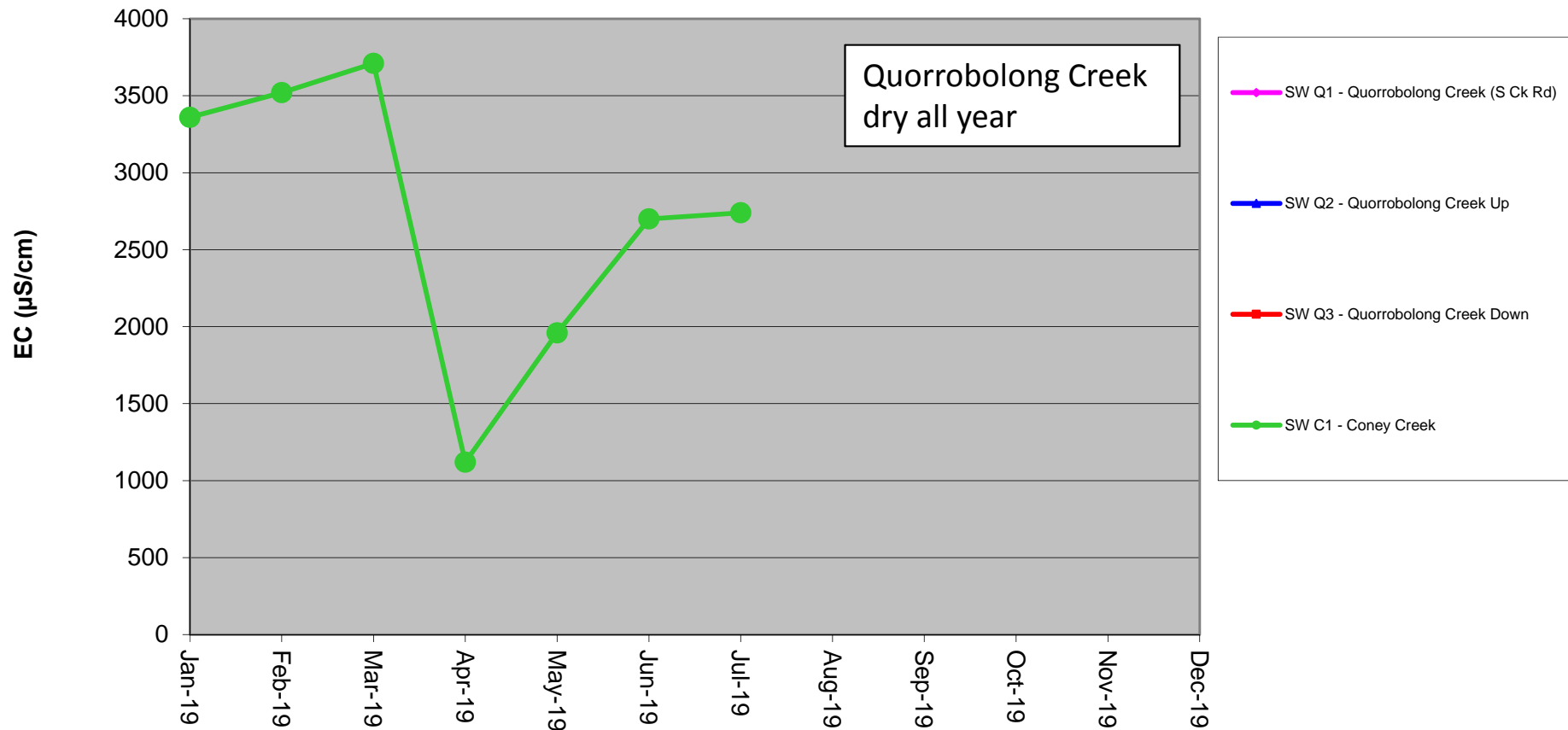
Water Monitoring

Surface Water Sites
CHPP and Bellbird Creek



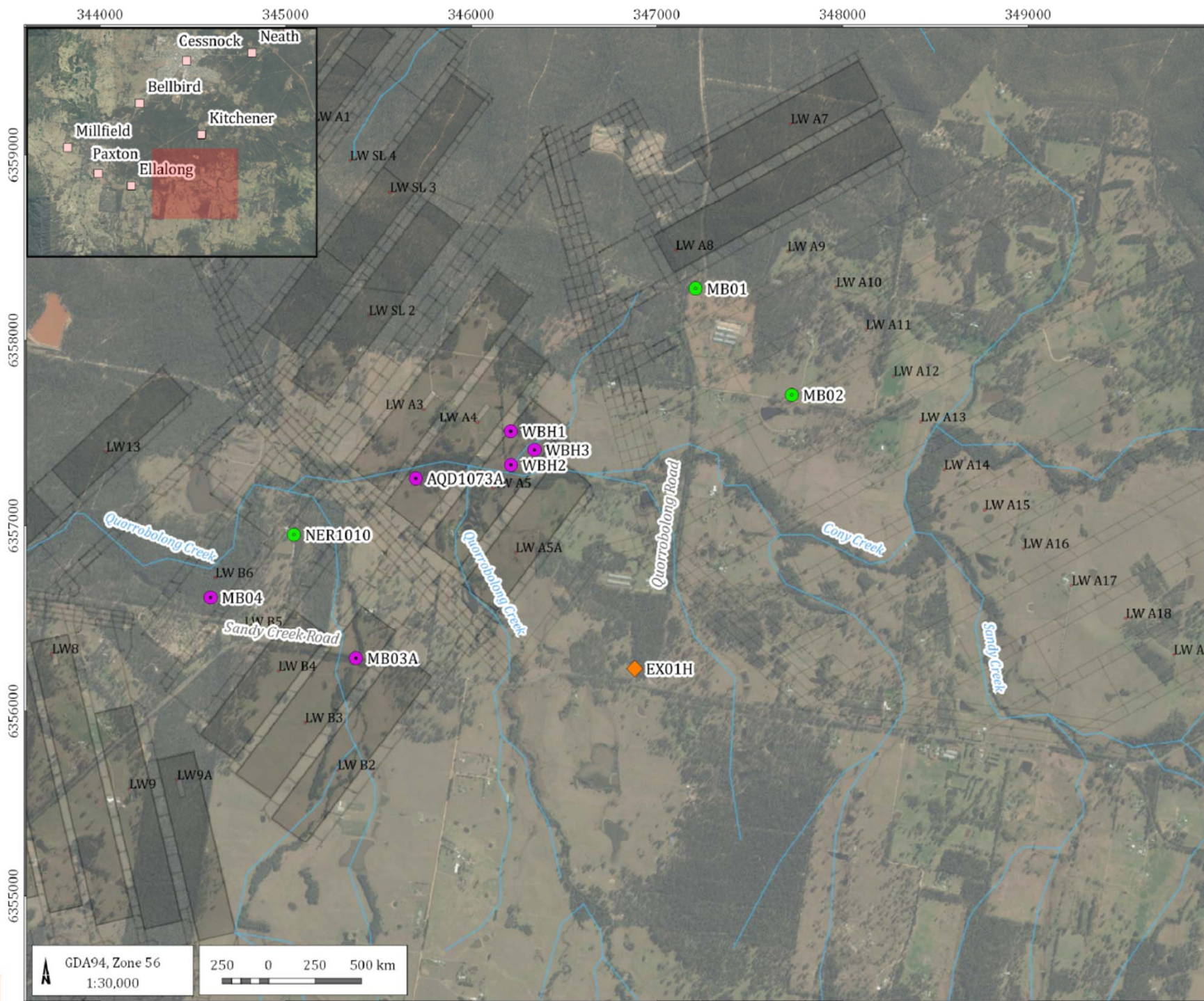
Water Monitoring

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
- MB03A levels increased slightly, likely due to rainfall in March and late April as seen on pressure transducer readings around this time
- No 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 - Astar Coal Mine
Groundwater Monitoring (G1828I)

Astar monitoring bore and VWP locations

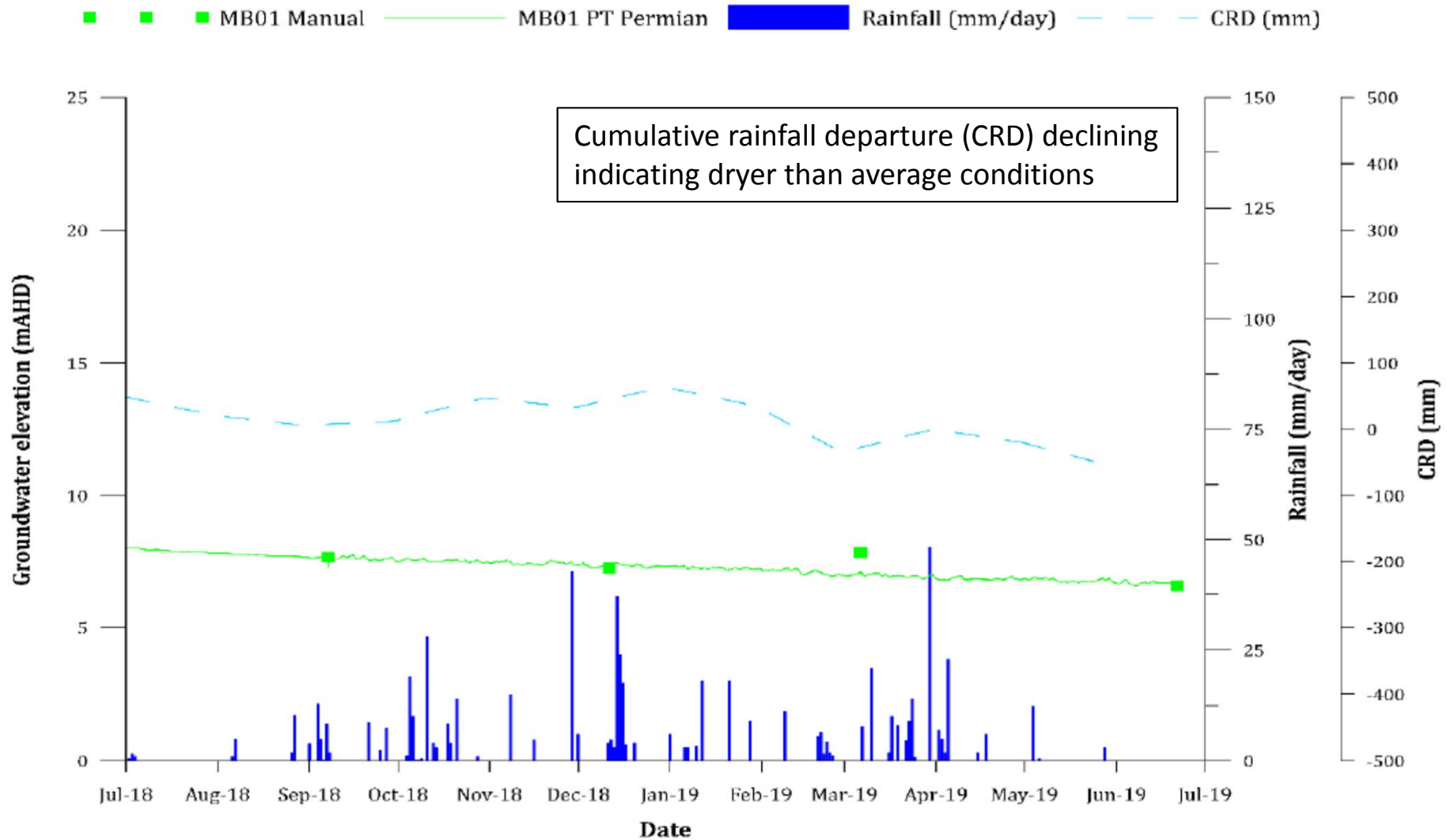
DATE
18/07/2019

FIGURE No:

2

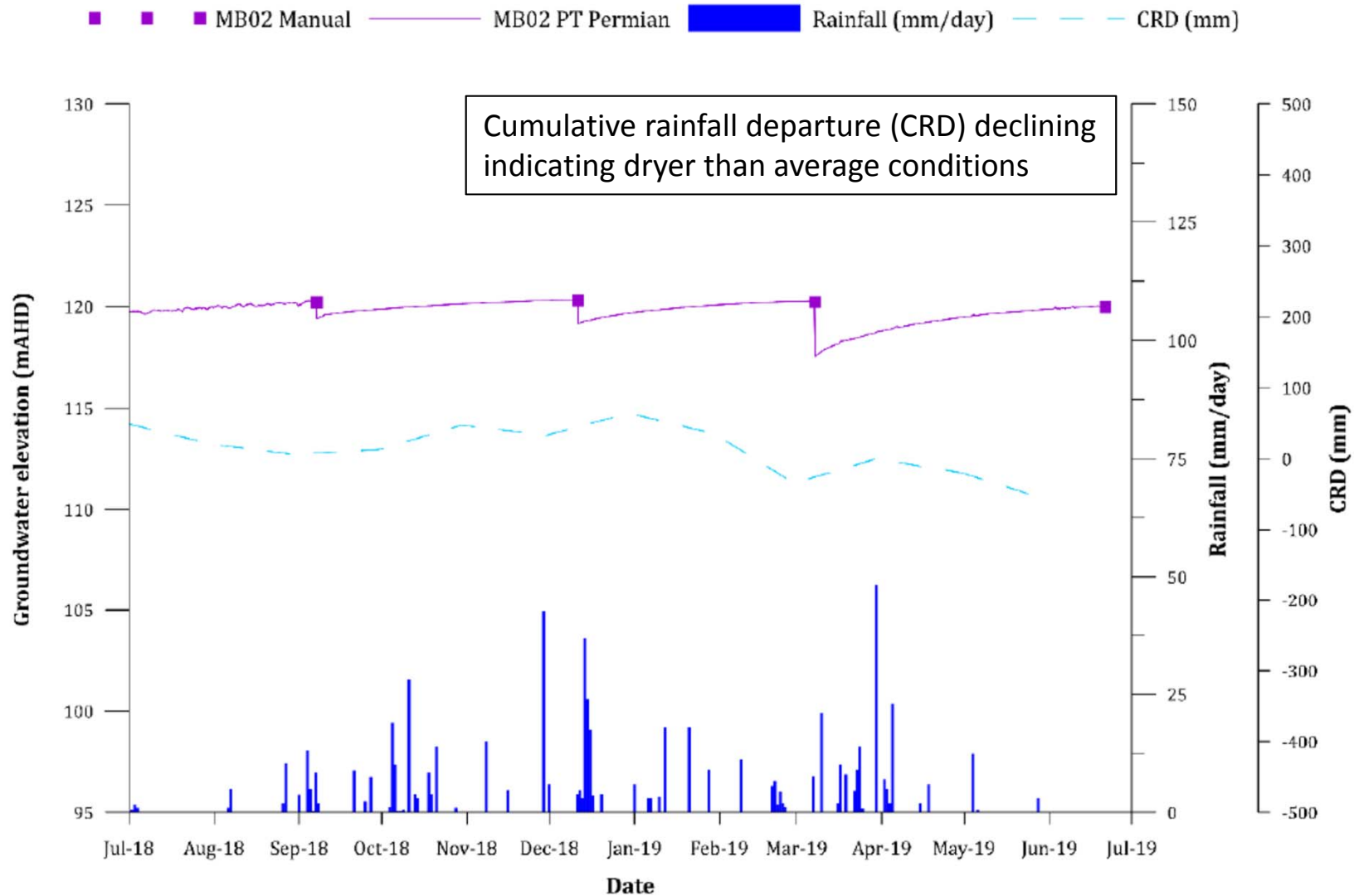


Groundwater Monitoring



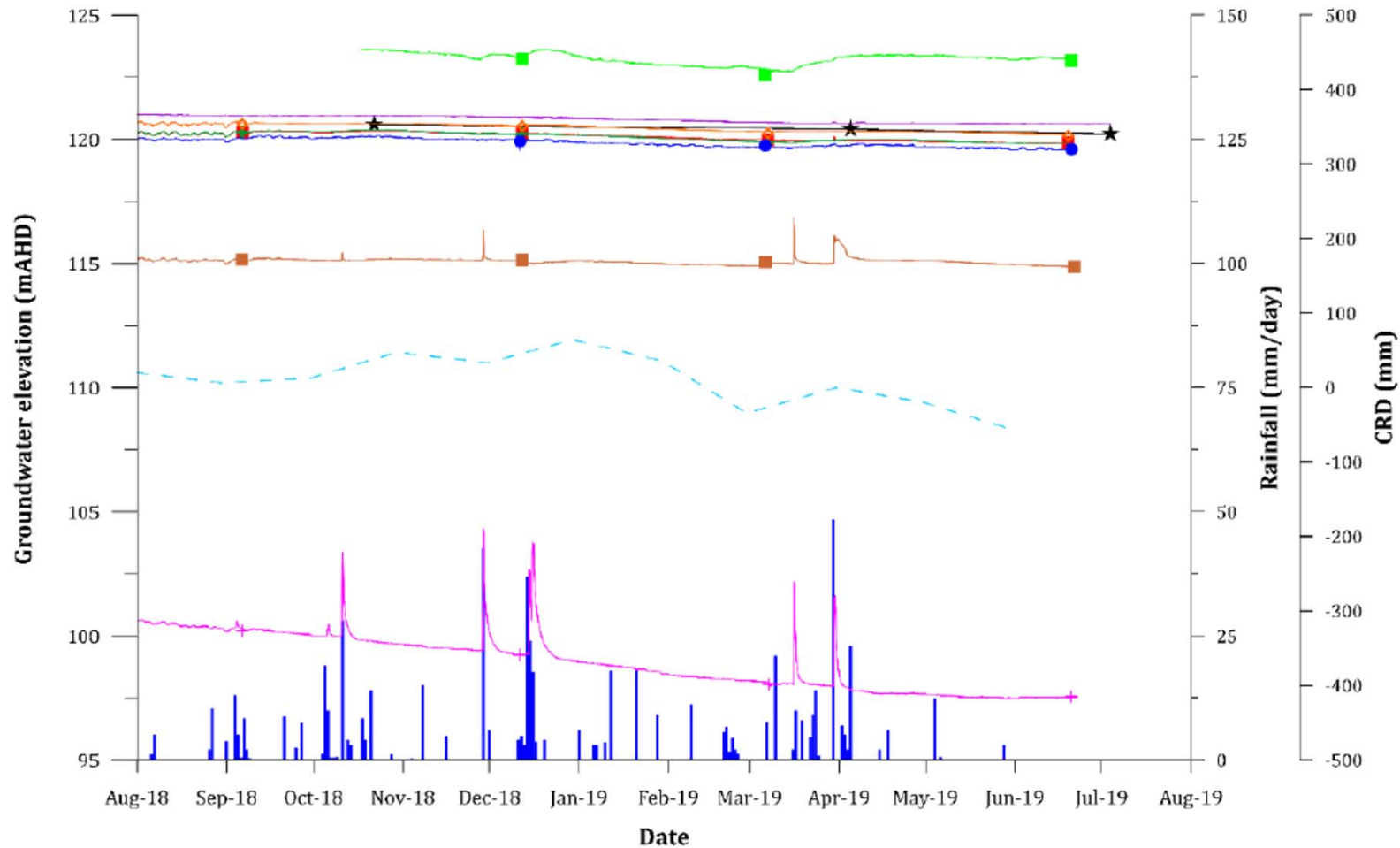
Stage 3 MB01 sandstone aquifer groundwater level hydrograph

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 (29 May – 27 August 2019)

- Noise criteria exceedance recorded on 11 June 2019
- Refer to Environmental Incidents (p8)

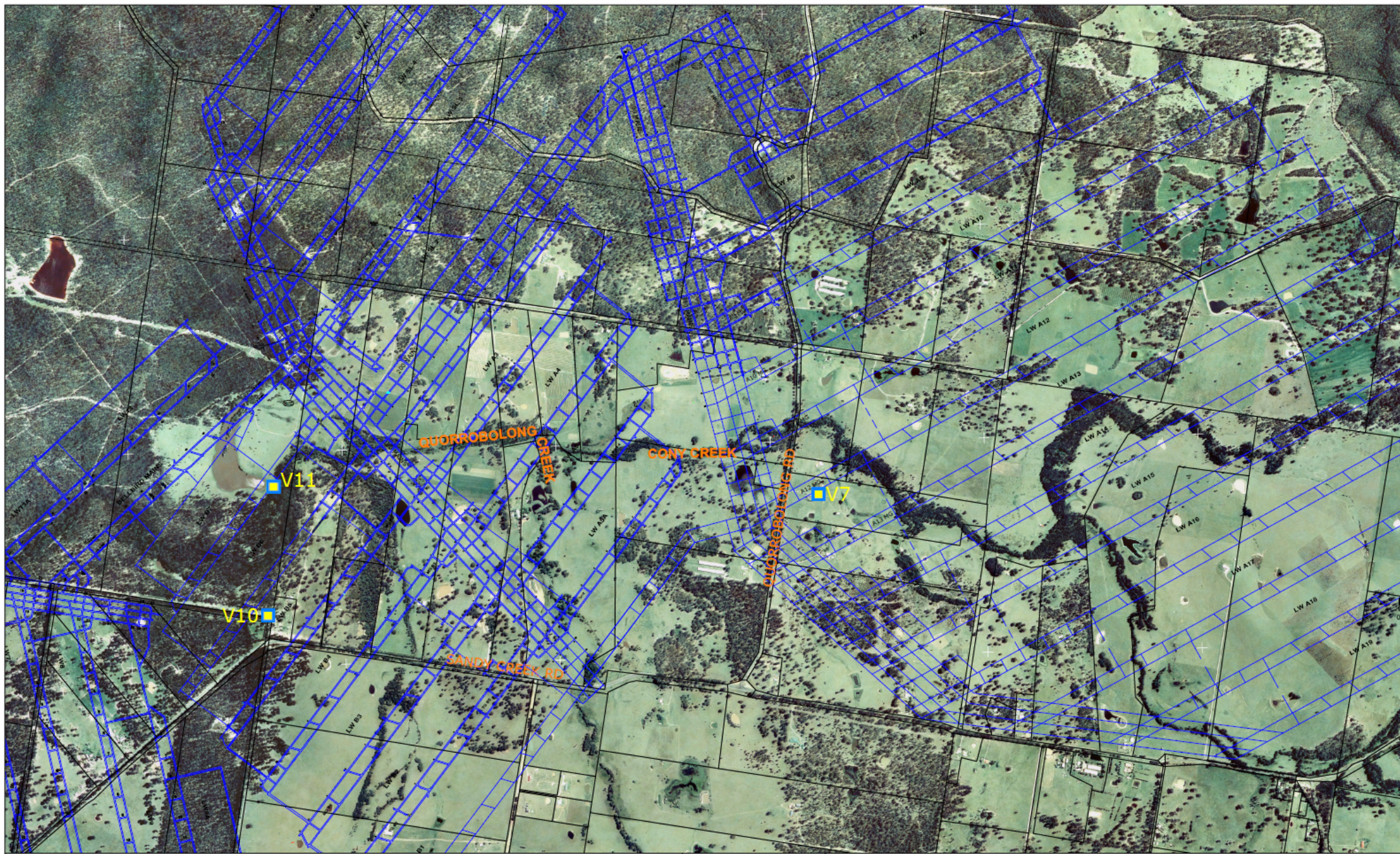
Since last CCC meeting (29 May – 27 August 2019)

- **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
 - 12 new vibration events recorded greater than 1mm/s on any axis
 - Ranging between 1.14-13.65 mm/s peak vibration

- **Monitor V10 – above LWB5**
 - Monitoring commenced 28 August 2017
 - 14 new vibration events recorded greater than 1mm/s on any axis
 - Ranging between 1.17-5.73 mm/s peak vibration
 - Mining completed in LWB5 on 17 August 2019

- **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

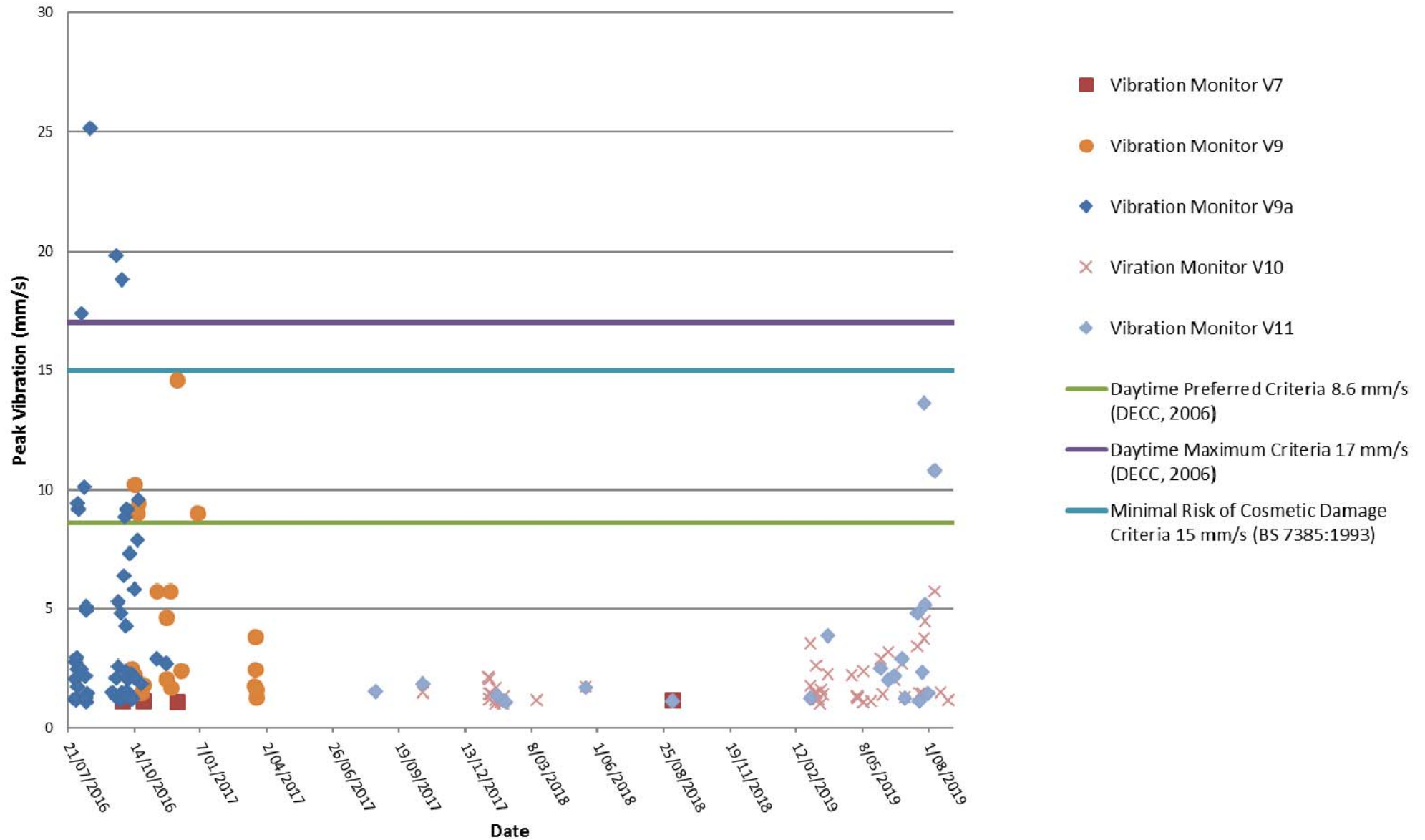
DRAWING No.
Environmental/ Monitoring Plan

A3



Vibration

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



Community Complaints

Since last CCC meeting (29 May – 27 August 2019)

- NIL Community Complaints

General Business



Community Sponsorship and Donations

- **Community Support Program 2019**
 - Opening Millfield Public School Community Garden

- **Sponsorships**
 - Paxton Men's Bowling Club – NSW State Pennant Finals held 25-28 July 2019
 - Ellalong Hotel Woodchop – 24 August 2019



Bushfire Management Planning

- Implementing actions identified in the Austar Bushfire Management Plan in preparation for the bushfire season, including reviewing fuel loads, checking water supplies, track monitoring, etc.
- Bushfire Awareness Training for Austar personnel conducted on 16 August 2019
- Encourage local community to review your Bush Fire Survival Plan – more information from NSW Rural Fire Service www.rfs.nsw.gov.au

Completed Reports and Studies

- Mining Operations Plan 2019-2026 approved by Resources Regulator on 21 August 2019

Other Business –

Next Meeting / Close