

Memorandum

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To Aaron Clifton
From Gonzalo Jimenez

Subject Camden Gas Project- FY18/19 Six-monthly monitoring update – October 2018

Dear Aaron,

This memo presents the updated hydrographs for the Menangle Park and Glenlee groundwater monitoring bores to October 2018 in Figures A.1 – A.5, and the water quality results for the October 2018 sampling event in Table A.1, including the Nepean River. Results are presented for samples taken on 16 October 2018.

Key observations for this monitoring period (April 2018 to October 2018) are:

- Logger data from bore MPMB01 could not be downloaded in the field due to connection issues. A replacement logger was installed and programmed to log at 6-hourly intervals (00:00, 06:00, 12:00 and 18:00). The recovered logger is currently being investigated to retrieve the data logged since the previous download (April 2018).
- Water levels at the Menangle Park monitoring bores remain within the historic range and no increasing or decreasing overall trend identified. Bores MPMB02 and MPMB03 showed a short-term response to the rainfall events in early September 2018.
- Water level at the Glenlee monitoring bore GLMB03 remain stable.
- As noted in the April 2018 monitoring update memo (EMM 2018), the vibrating wire piezometer (VWP) sensors at GLMB01 and GLMB02 stabilised at lower piezometric pressure head levels compared with pressures observed from the former standpipe monitoring bores prior to conversion to VWPs. This data is not considered representative of formation pressures, potentially due to interference from the gravel pack surrounding the piezometers. Although the absolute pressure values post-VWP installation are not representative of formation pressures, the trends in the data are and are therefore still useful.

The groundwater quality results will be analysed and discussed in the next annual monitoring report.

The results are included in the following attached figures and table:

- Figures A.1 – A.4: Individual hydrographs for the Menangle Park and Glenlee sites;
- Figures A.5: Nested hydrographs for the Menangle Park and Glenlee sites;
- Table A.1: Water quality results for October 2018.

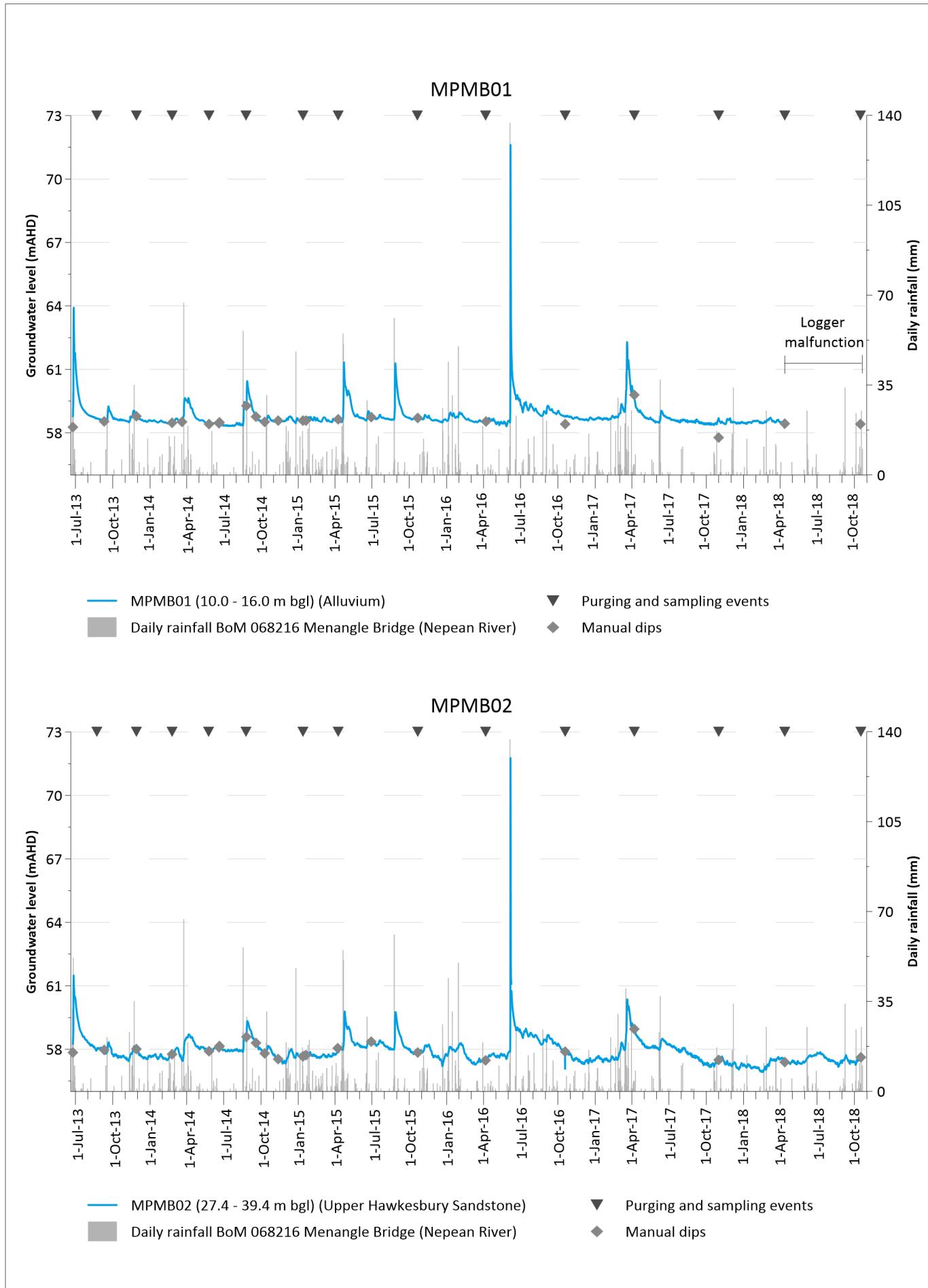
Yours sincerely



Gonzalo Jimenez
Hydrogeologist
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Reviewed: NF

Reference

EMM Consulting (EMM) 2018, *Camden Gas Project – FY17/18 Six-monthly monitoring update – April 2018*, prepared for AGL Energy Pty Ltd.

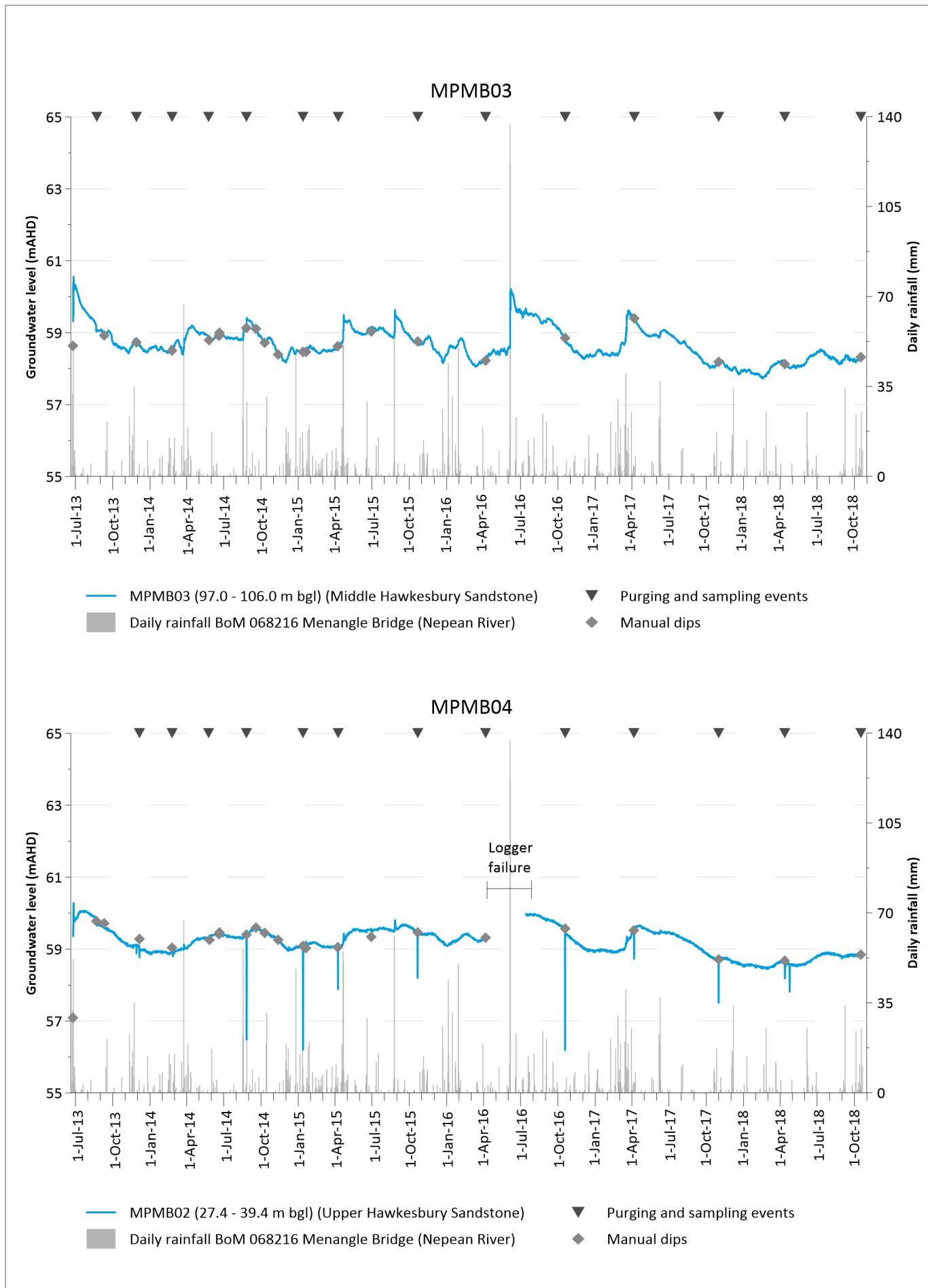


MPMB01 and MPMB02 hydrographs

Camden Gas Project

Six-monthly Monitoring Event - October 2018

Figure A.1



MPMB03 and MPMB04 hydrographs

Camden Gas Project

Six-monthly Monitoring Event - October 2018

Figure A.2

