
Appendix C

Plots of Piezometric Head in Vibrating Wire Piezometers
(A06, AGE01, AGE02, AGE03W, B3, BY0011CH,
BY0077CH, BY0080CH, BY0091CH, BY0208CH, CPT18,
CPT36, CPT39)

Hydrograph Plots (Datalogger Water Level Plots)

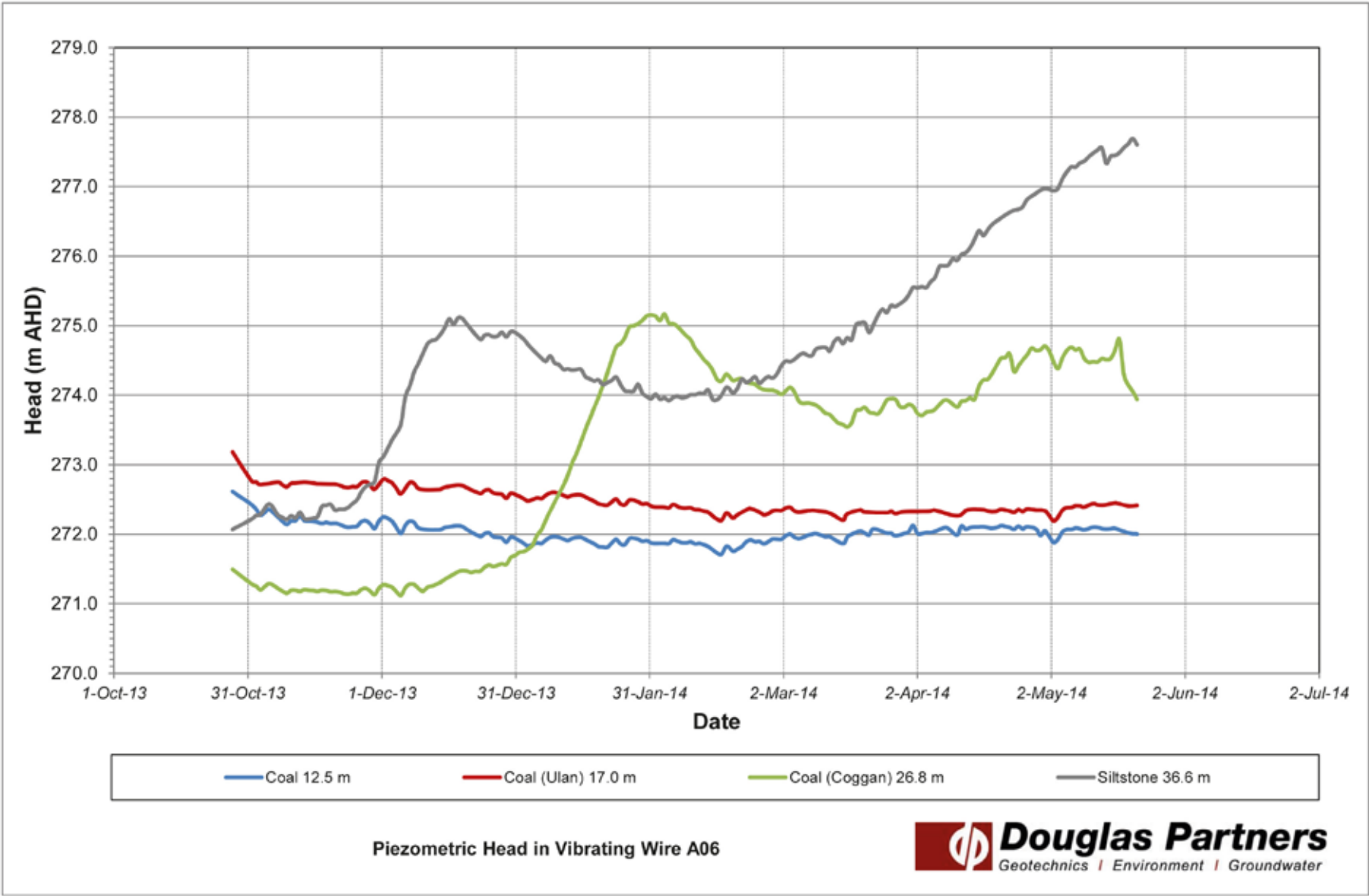
Electrical Conductivity Plots (Salinity Datalogger Plots)

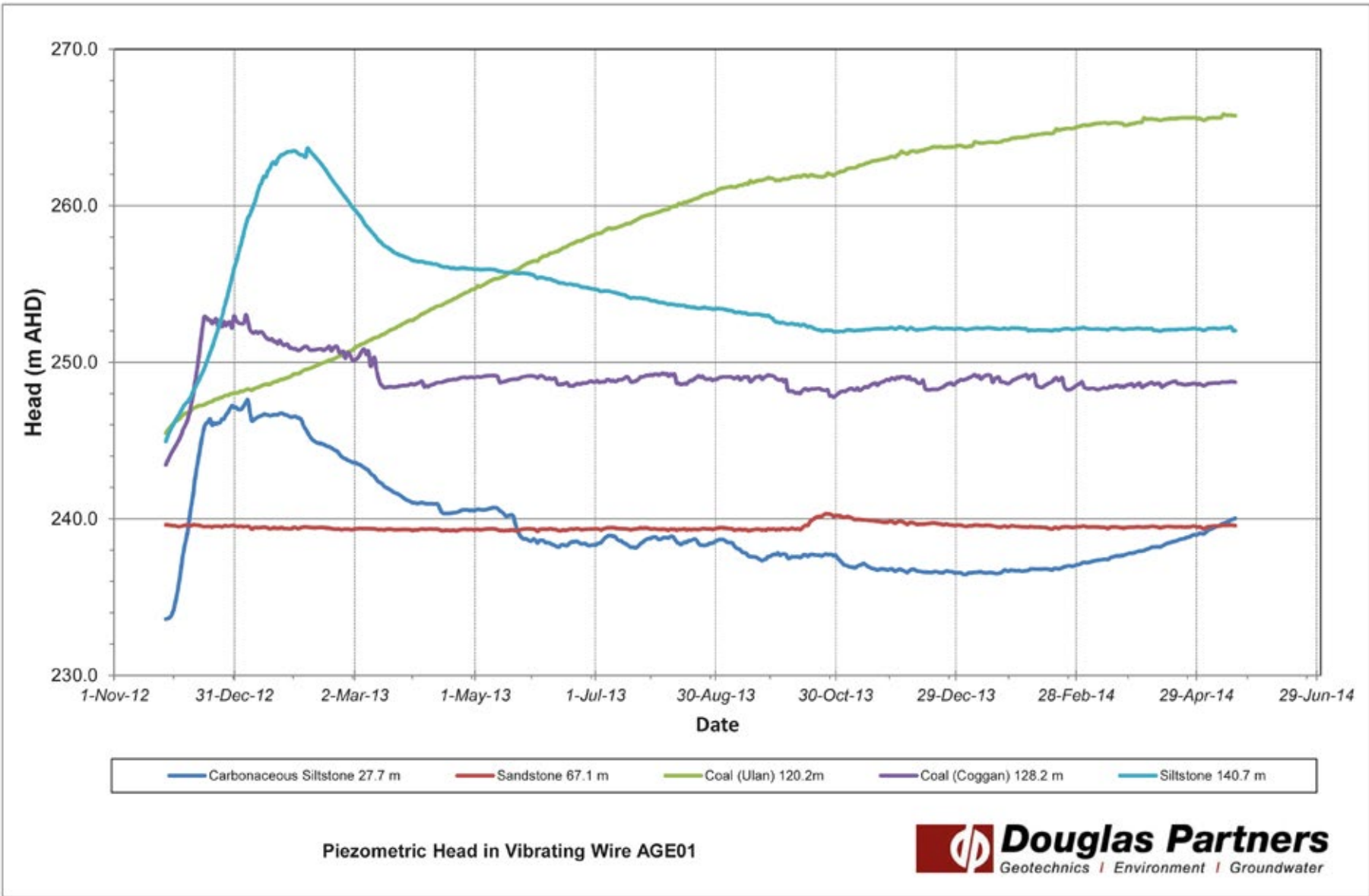
Surface Flow and Depth Plots (SW4, SW8, SW9) – July 2012 to May 2014

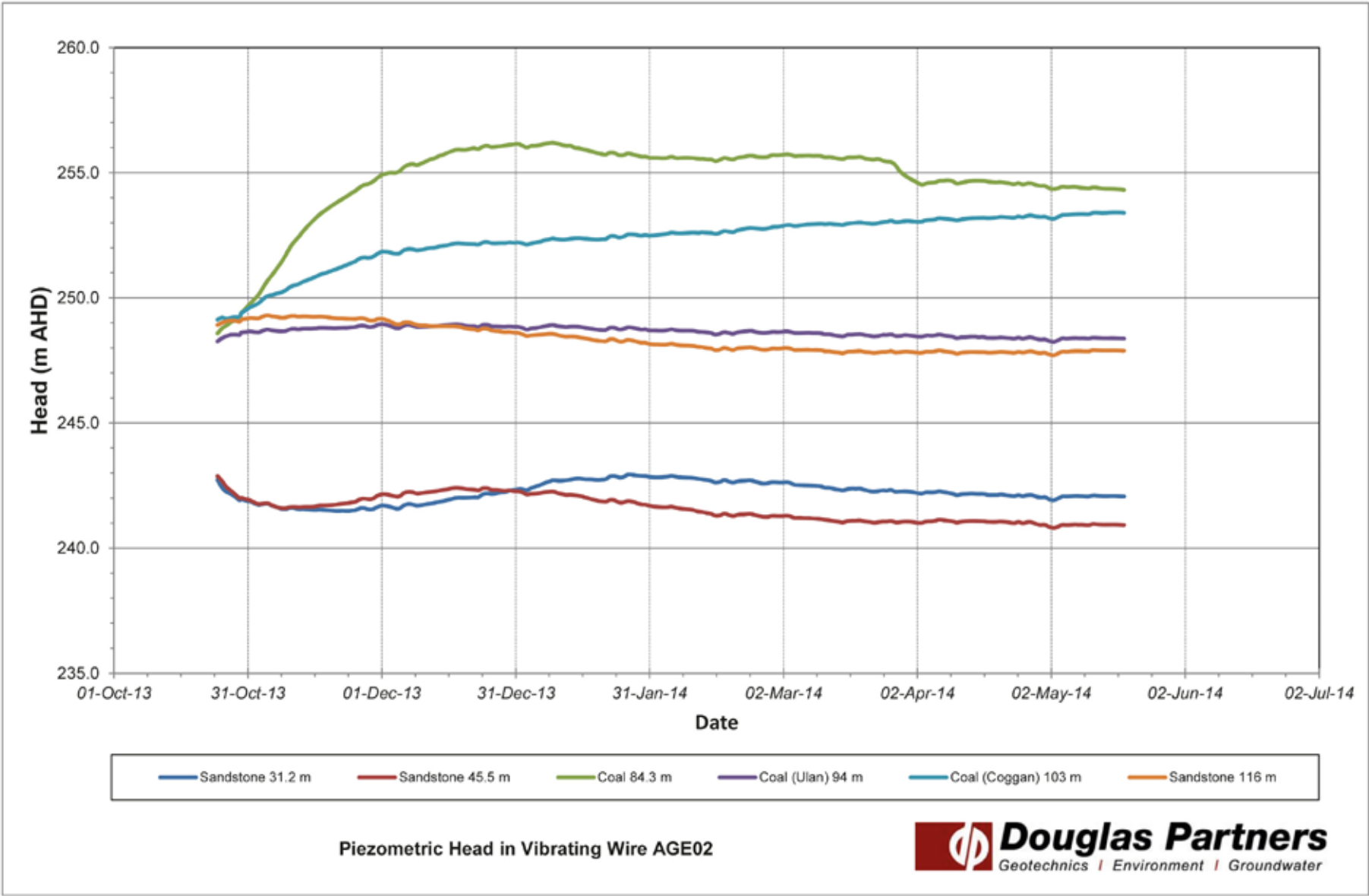
Groundwater Monitoring Quality Plots – February 2012 to May 2014

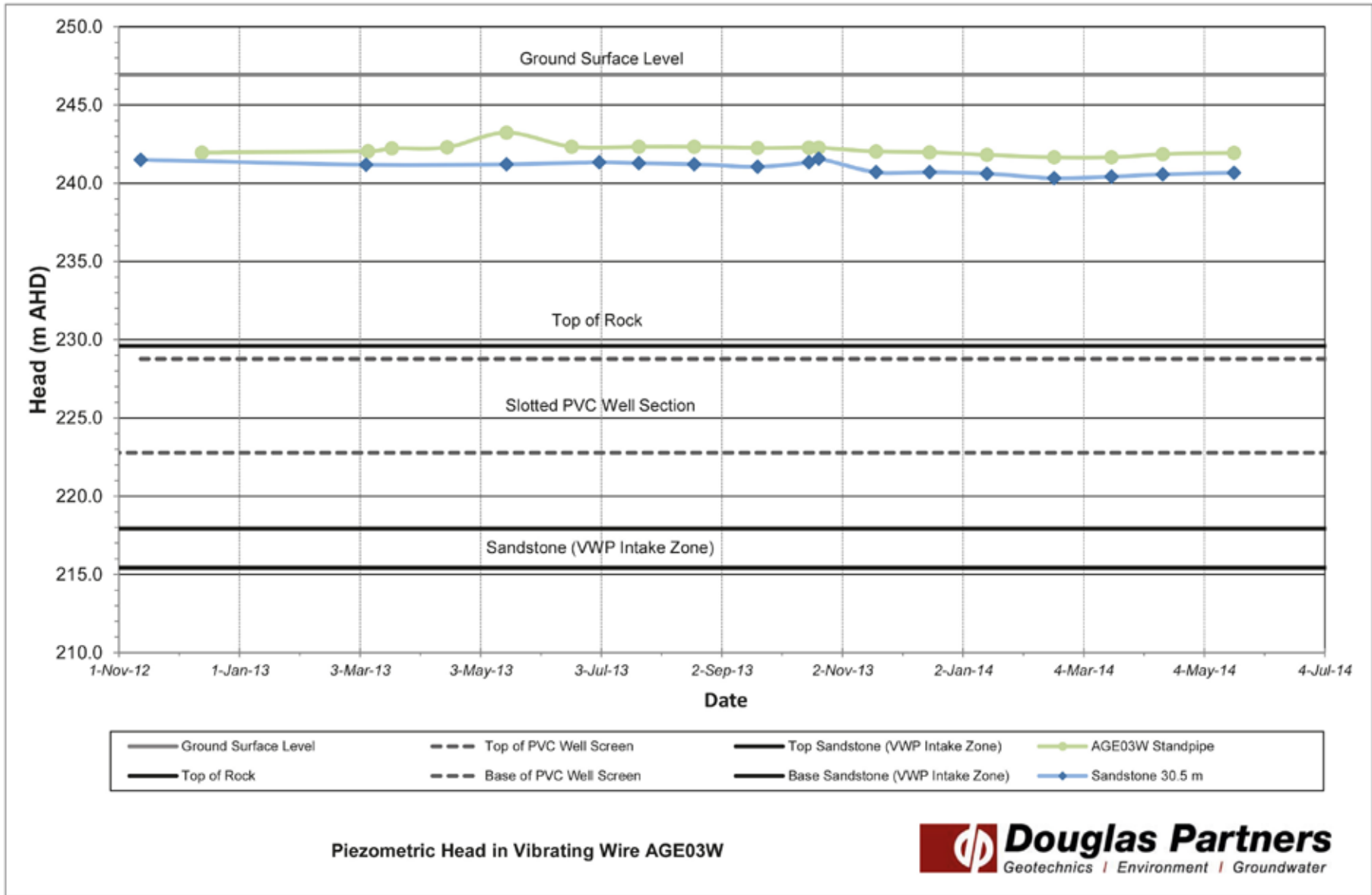
Surface Water Monitoring Quality Plots – February 2012 to May 2014

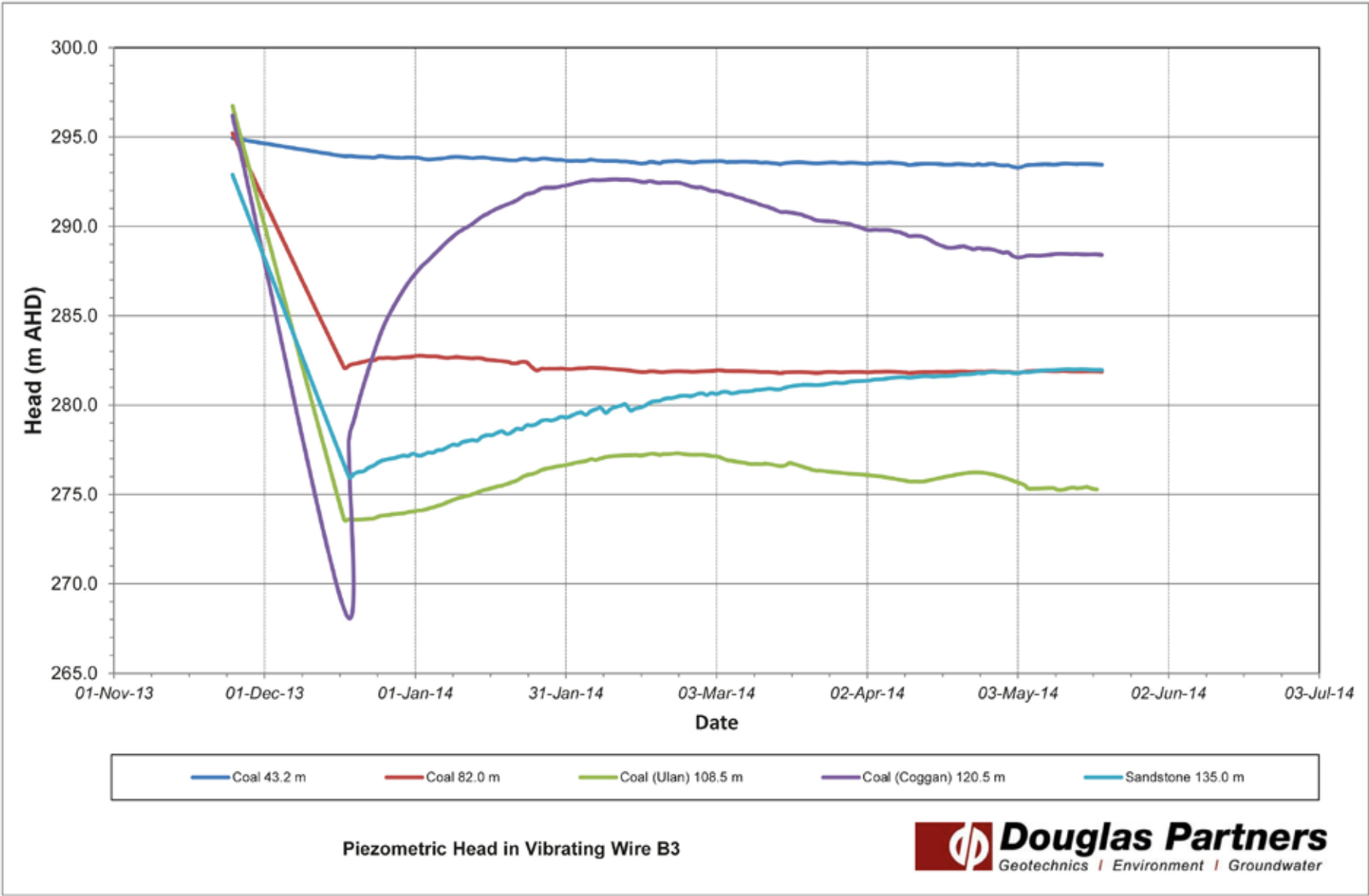
Tri-Linear Analysis Plots (Piper Plots) – February 2012 to May 2014

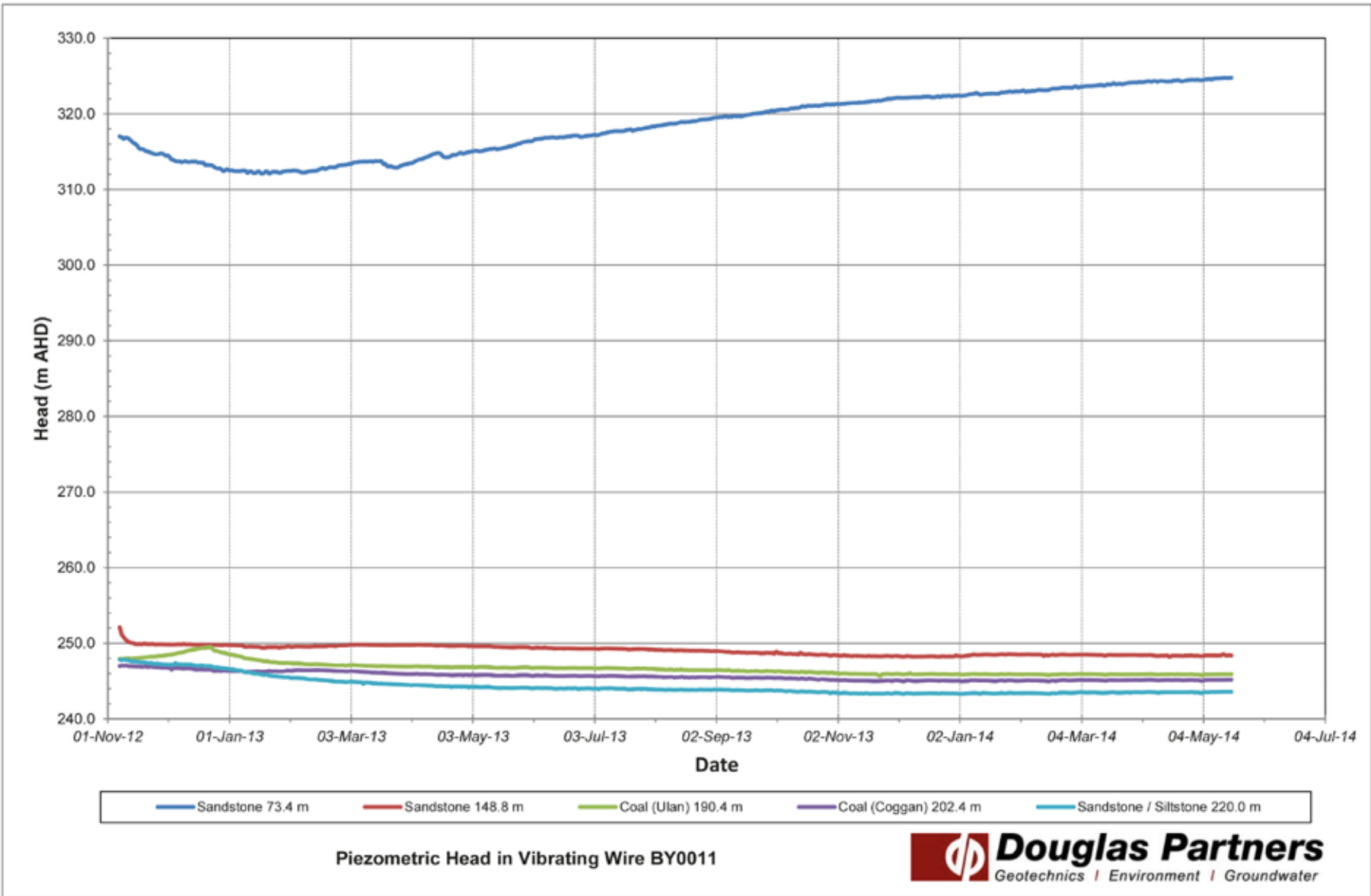


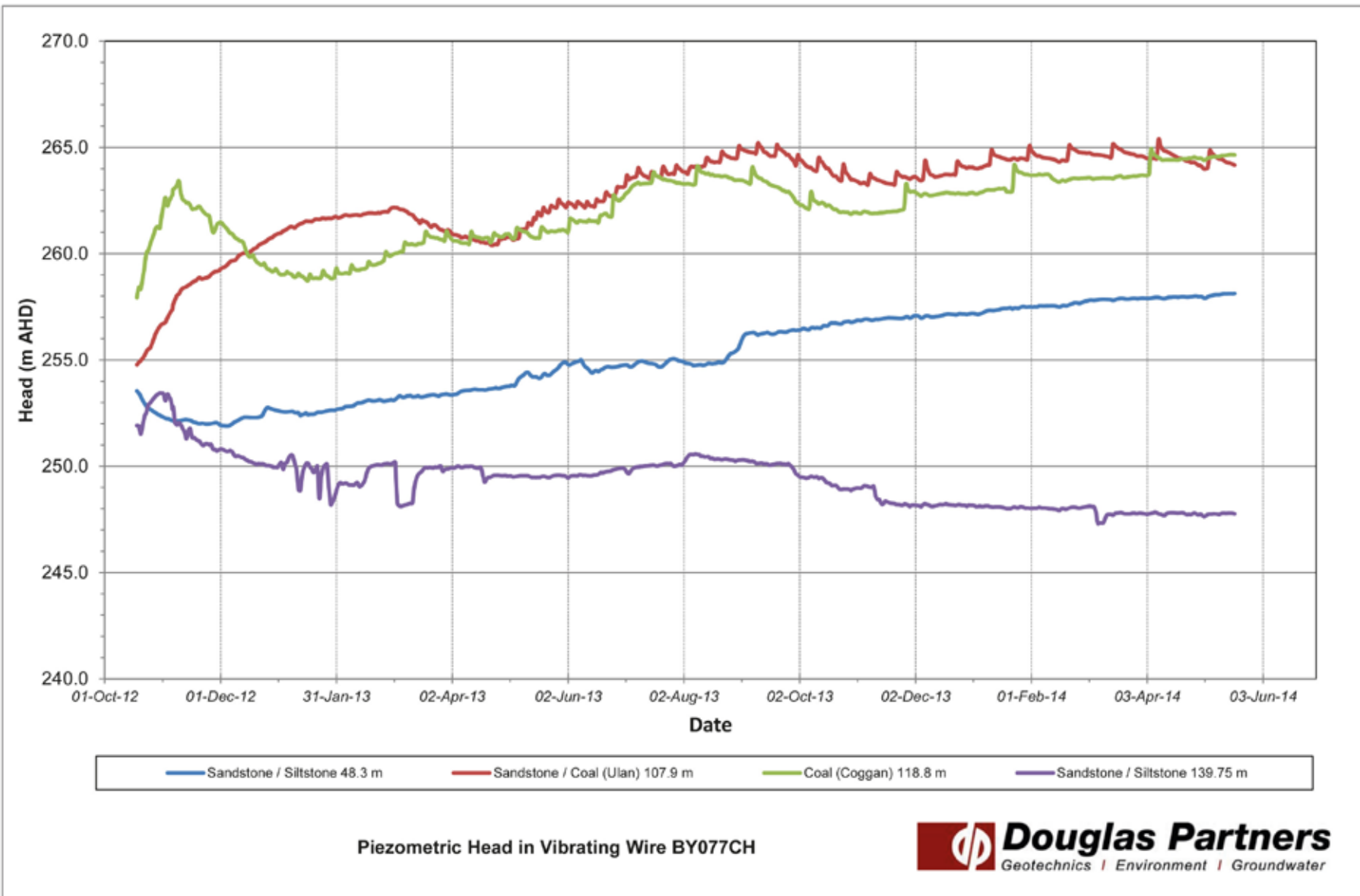


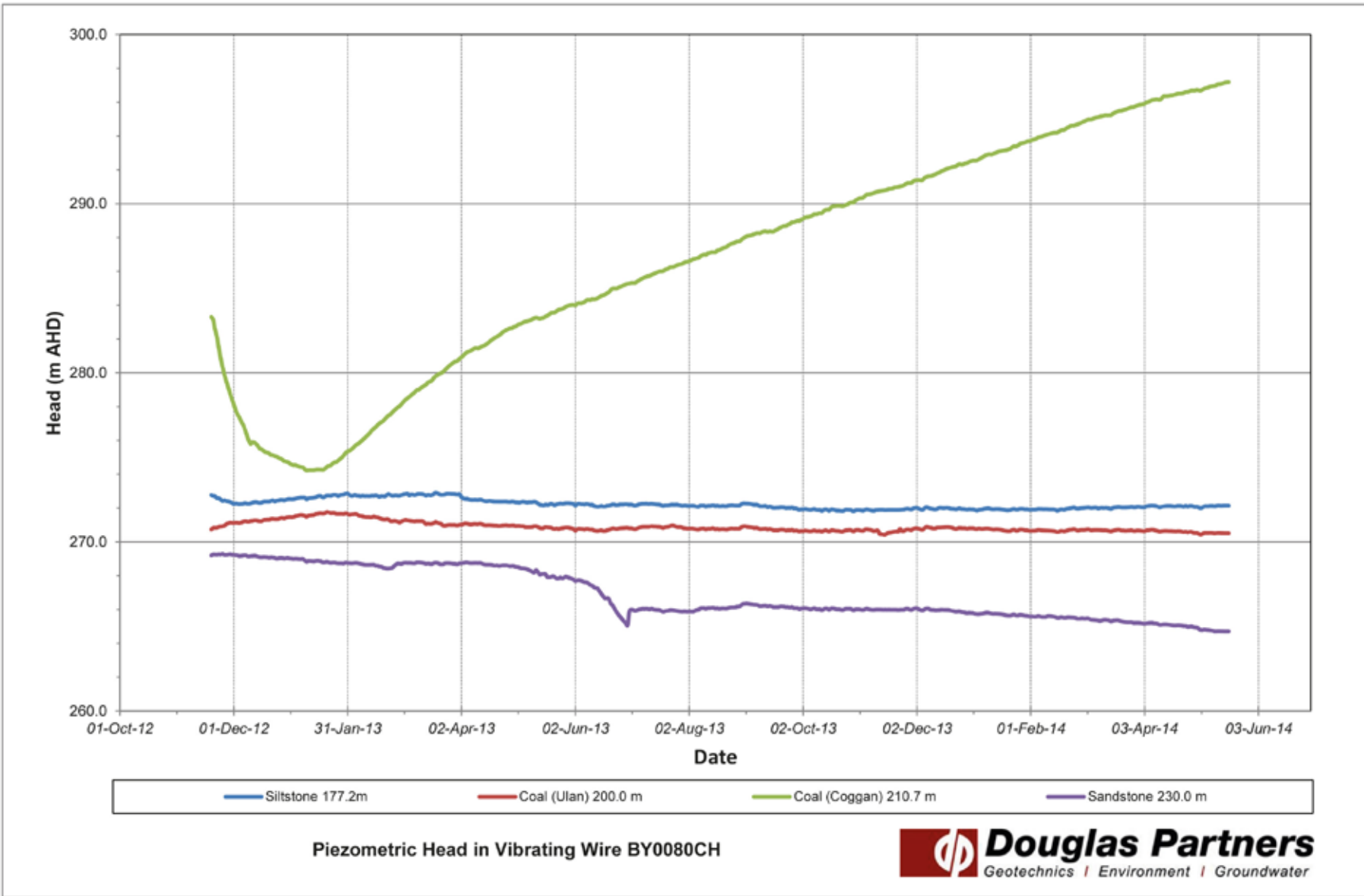


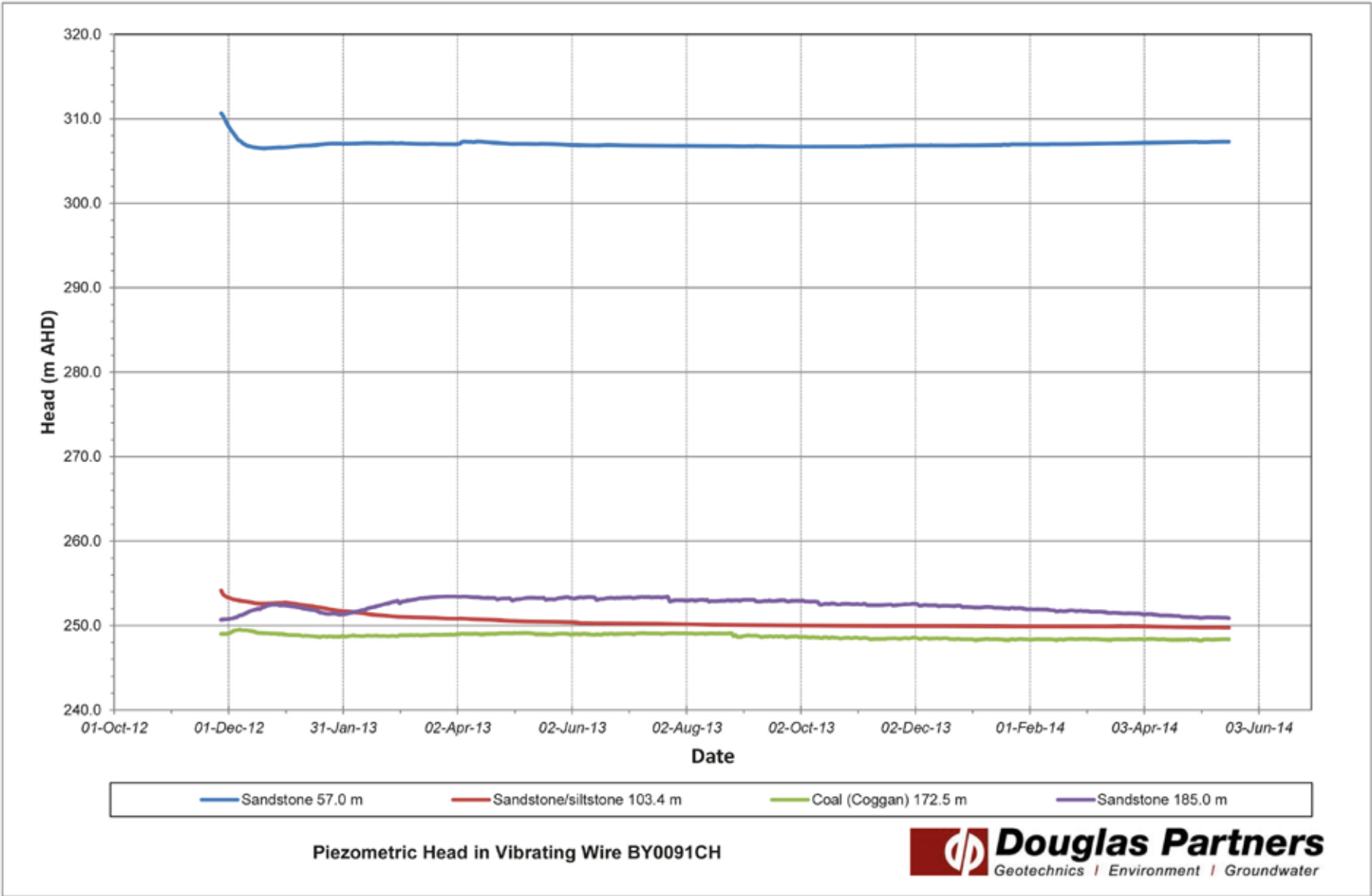


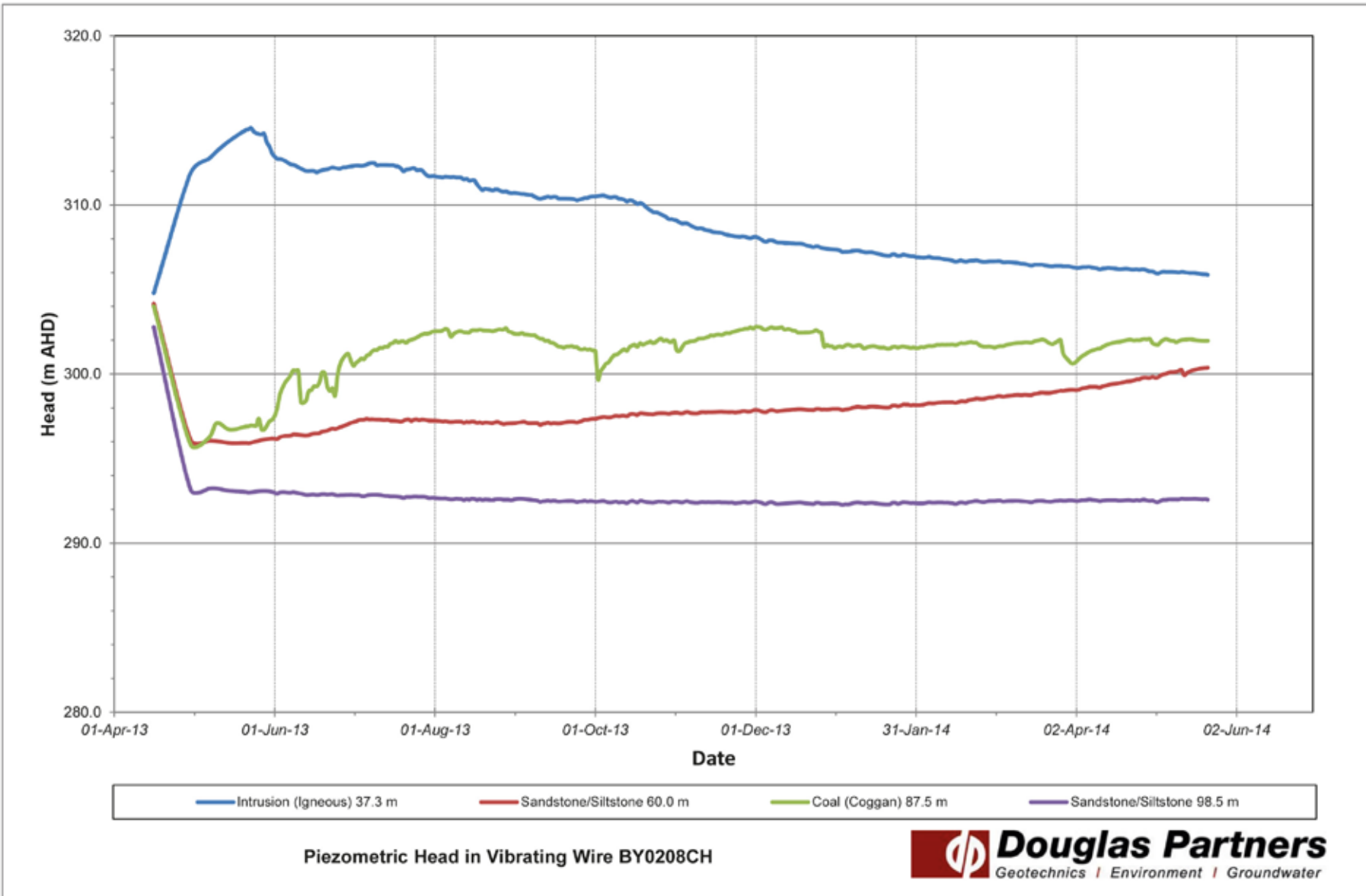


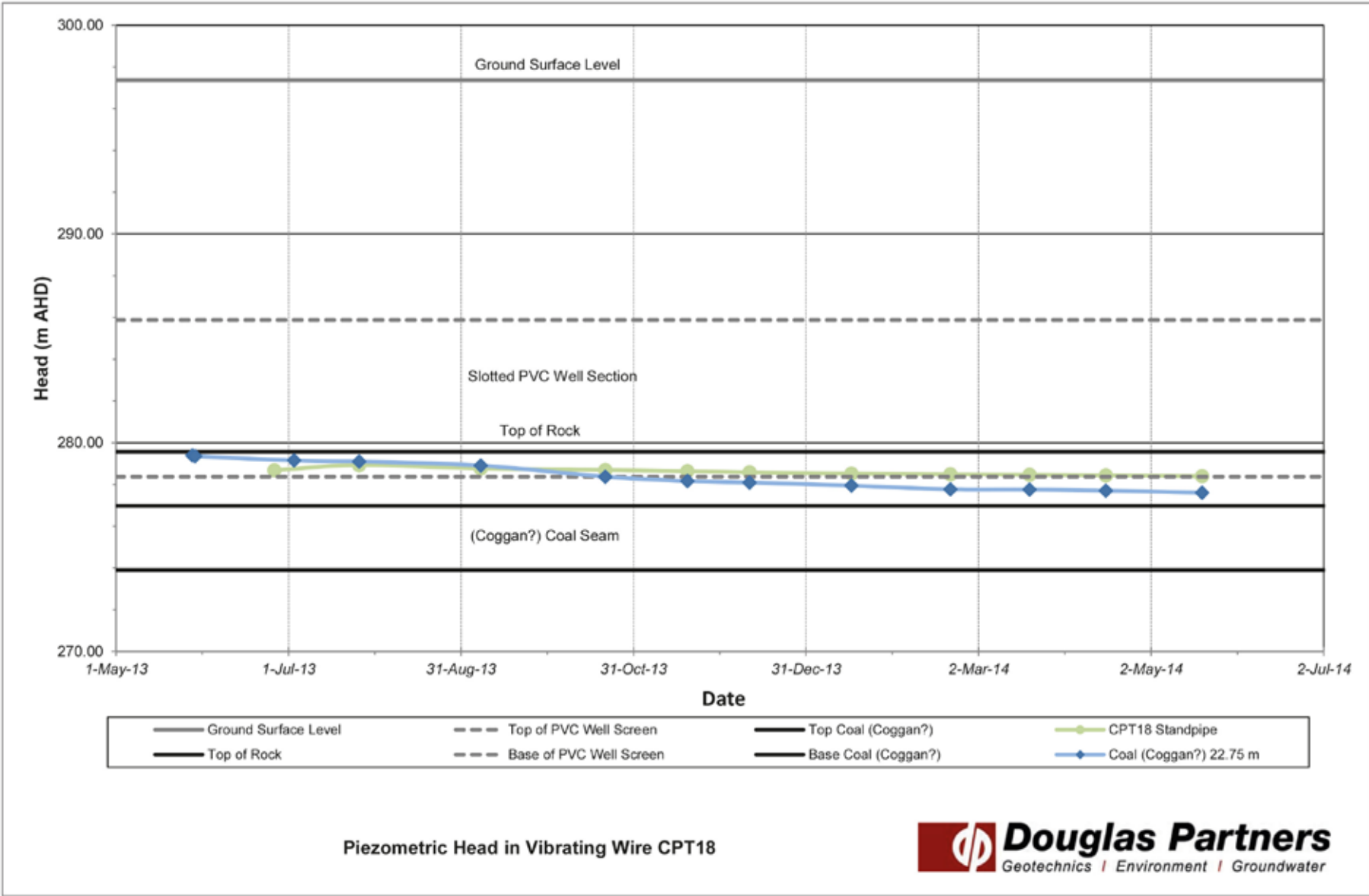


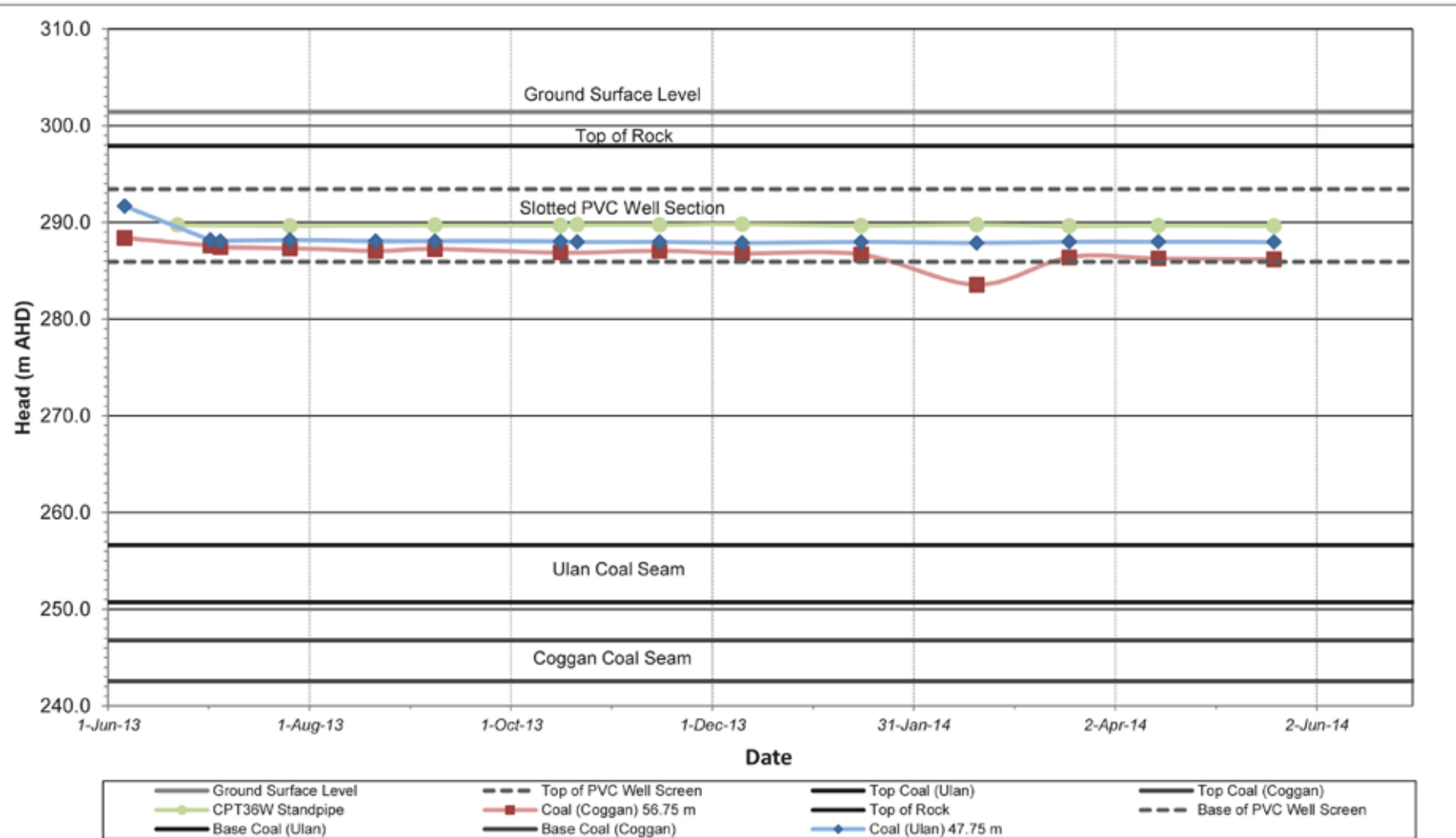






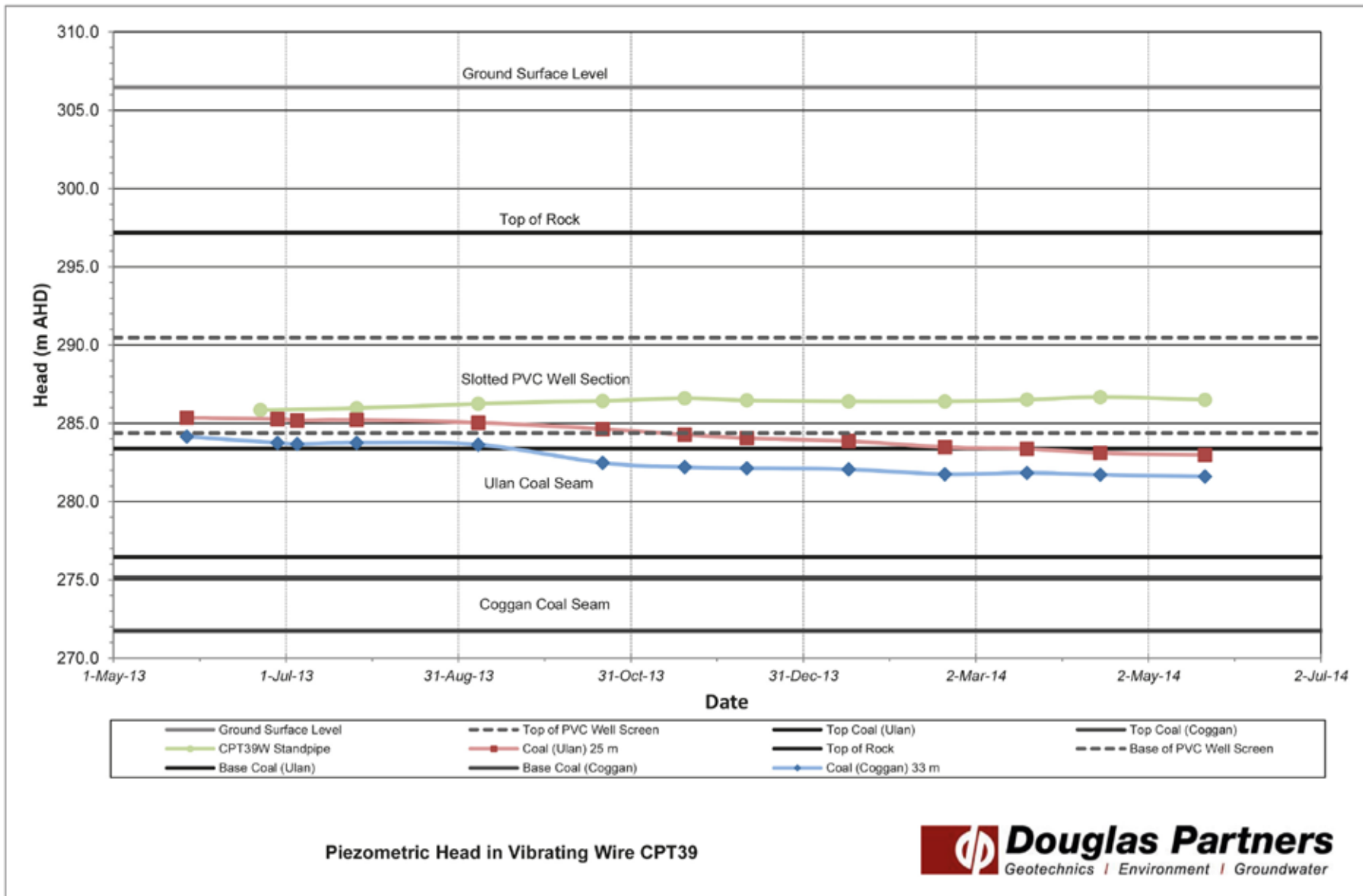


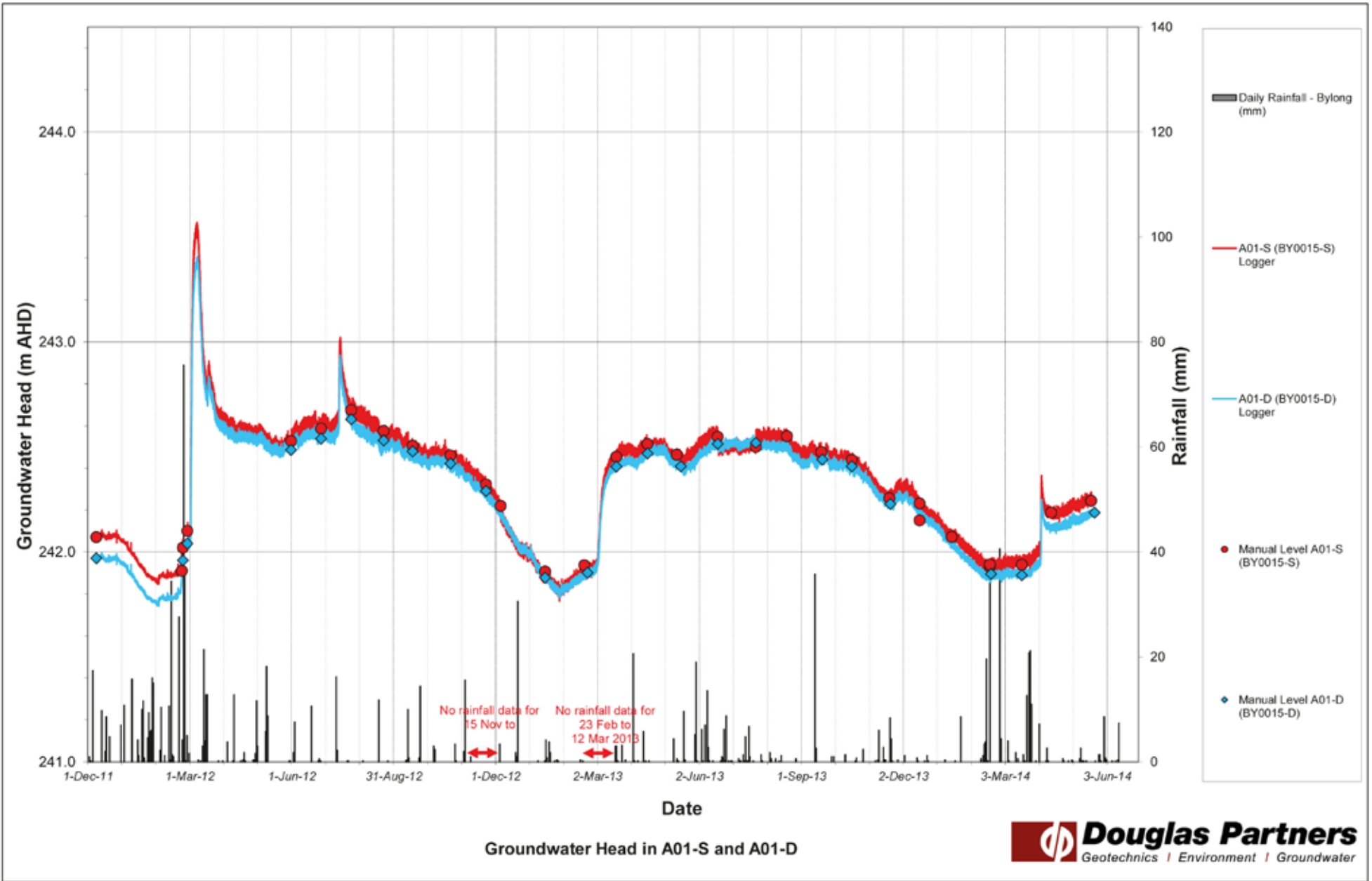


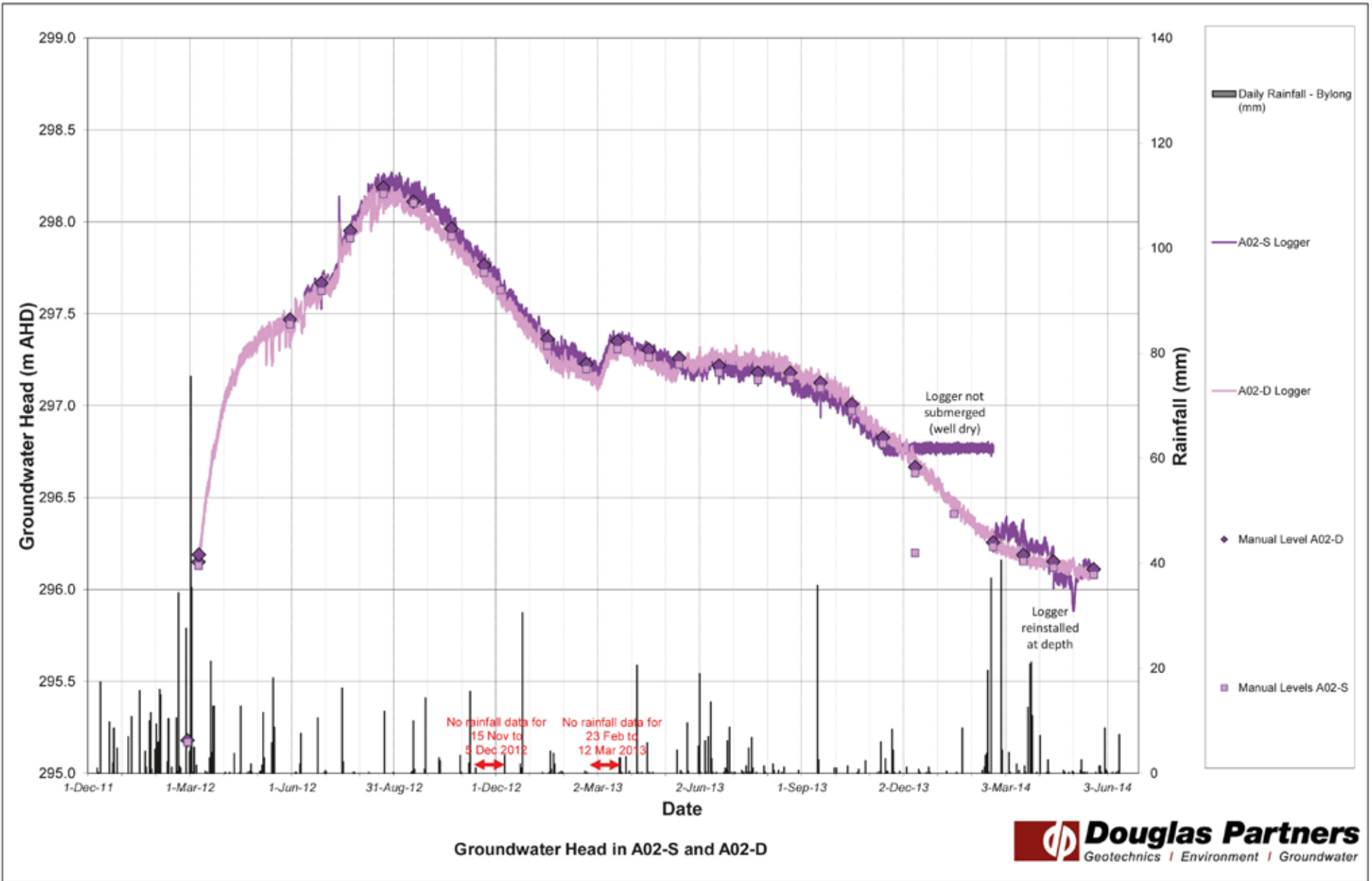


Piezometric Head in Vibrating Wire CPT36



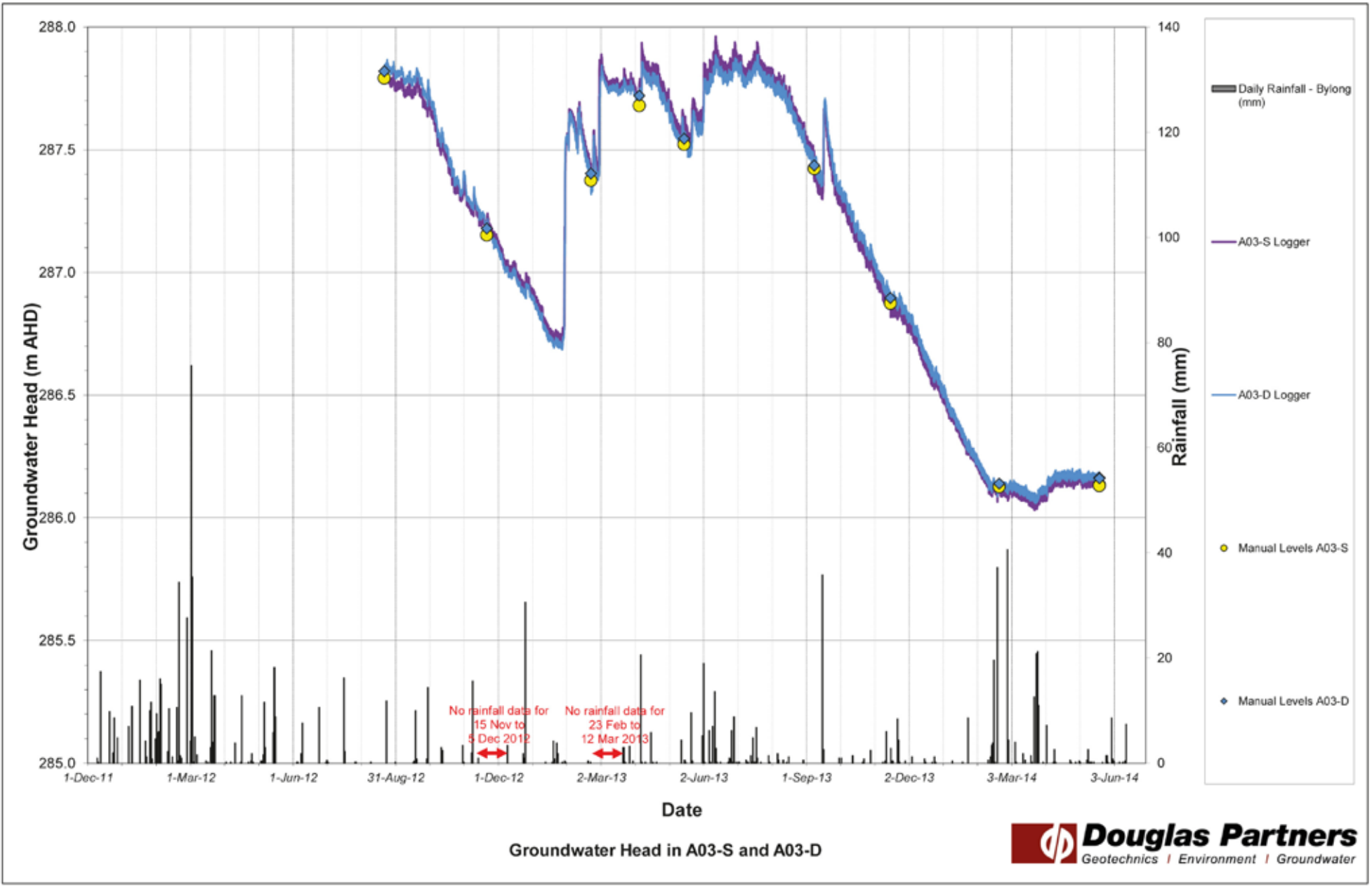


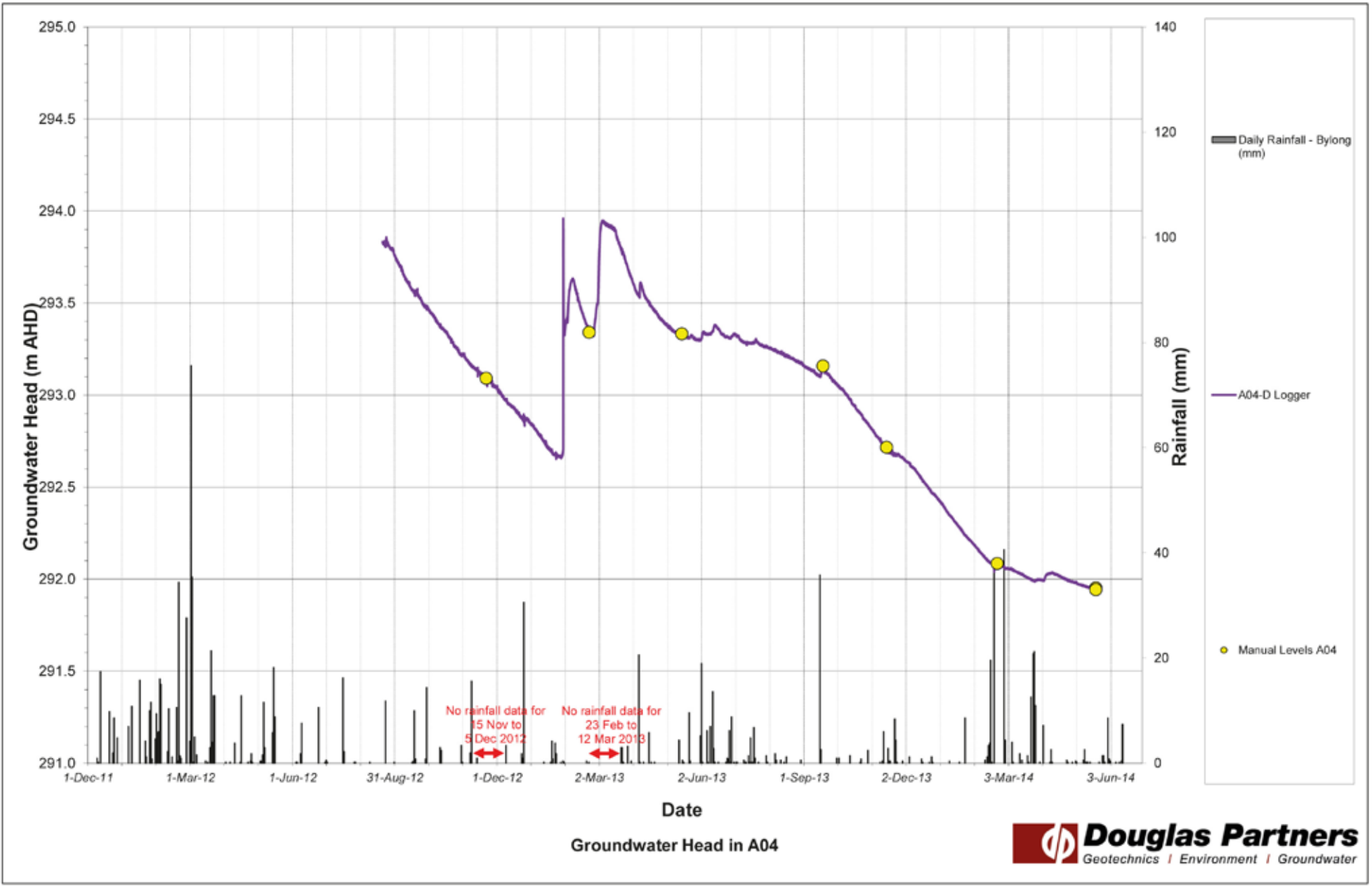


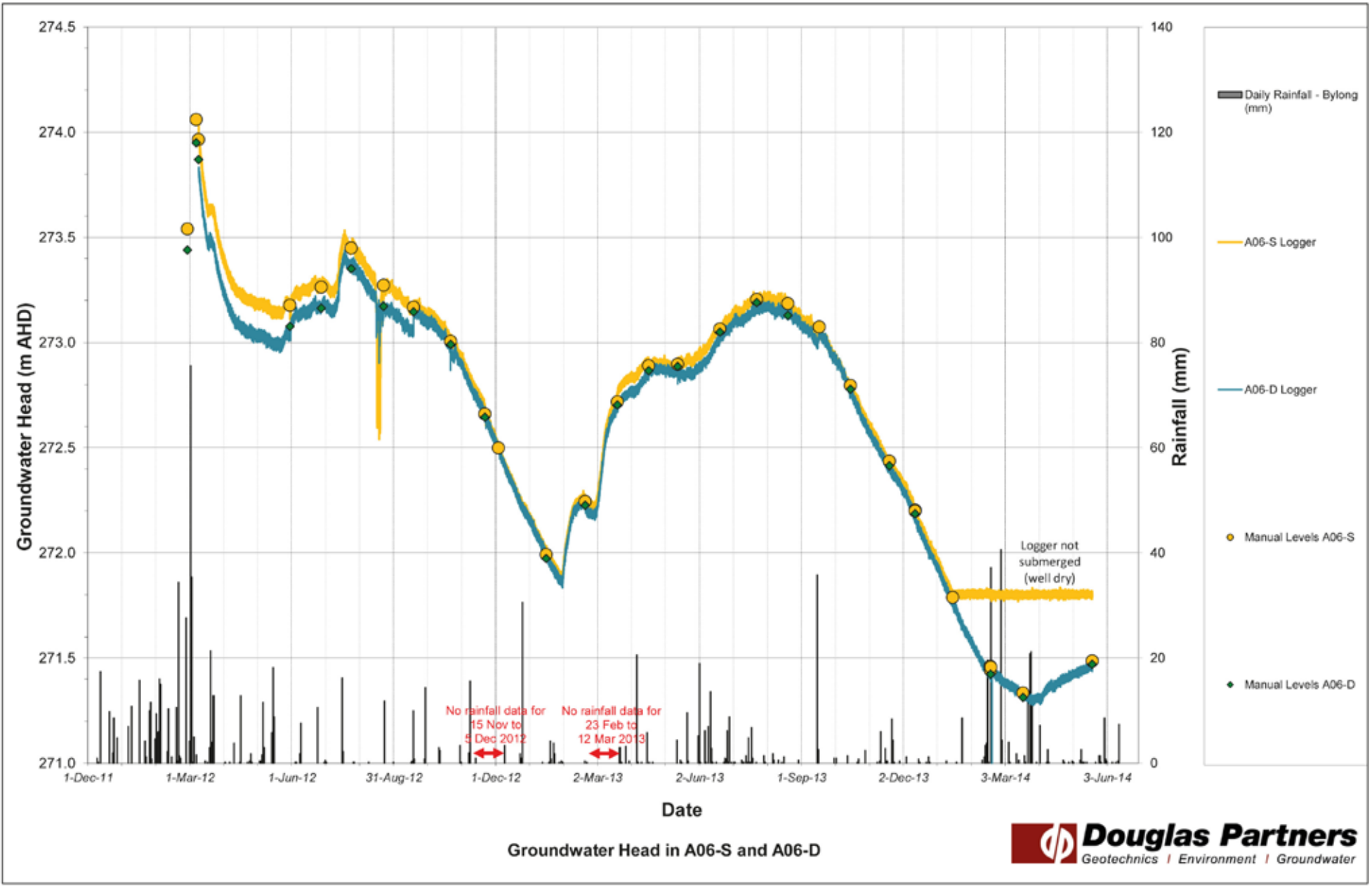


Groundwater Head in A02-S and A02-D



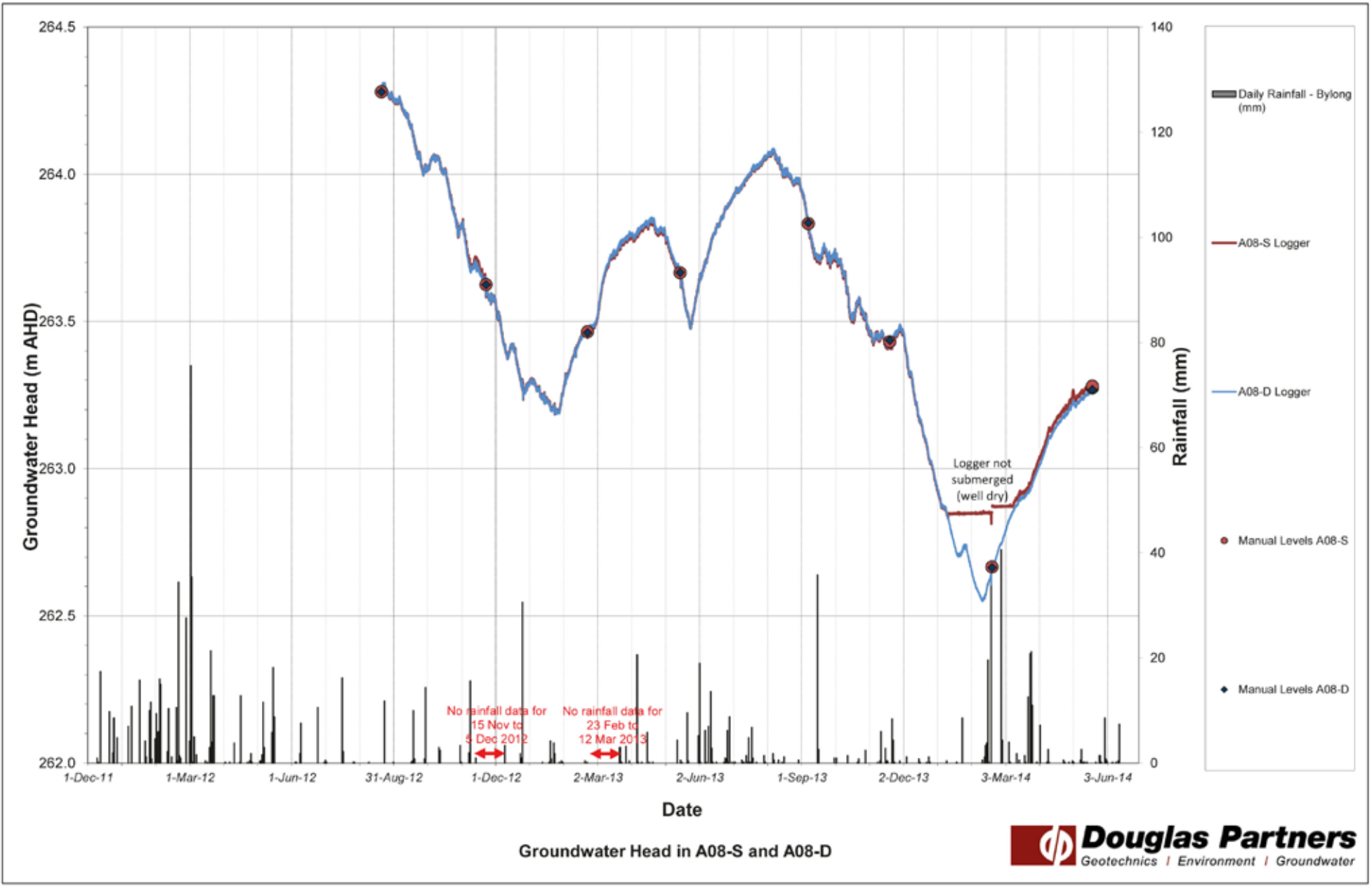






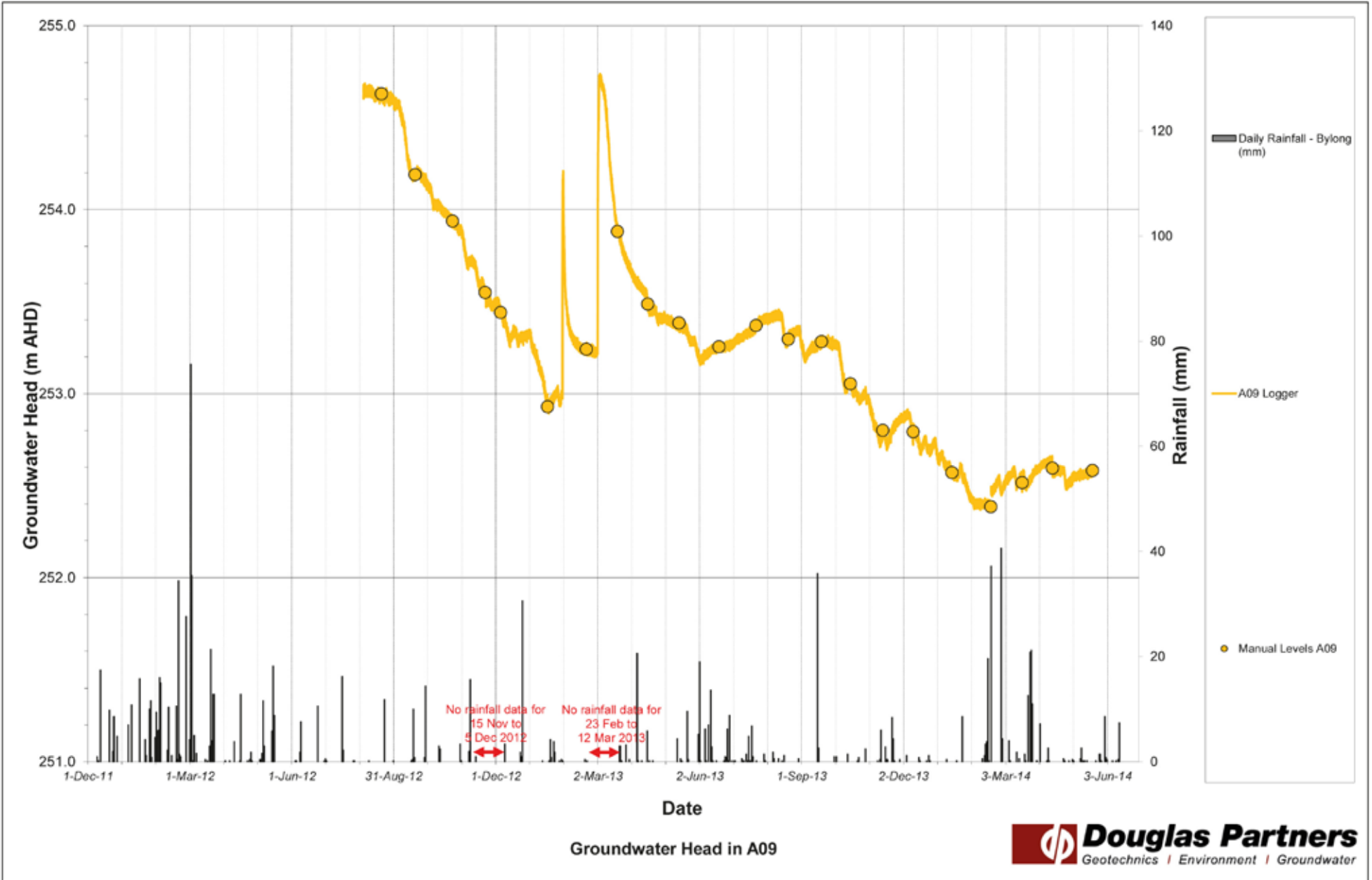
Groundwater Head in A06-S and A06-D

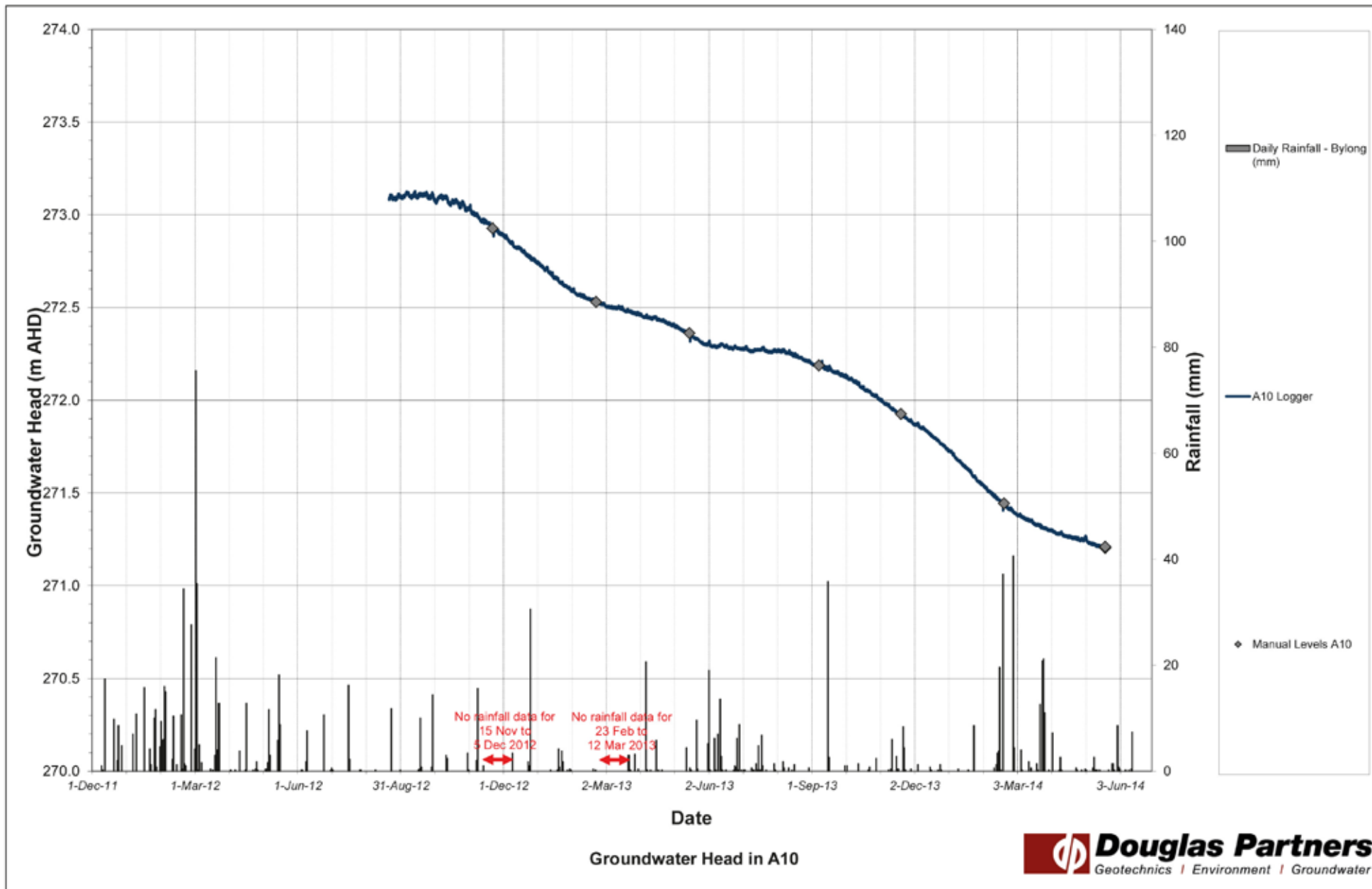


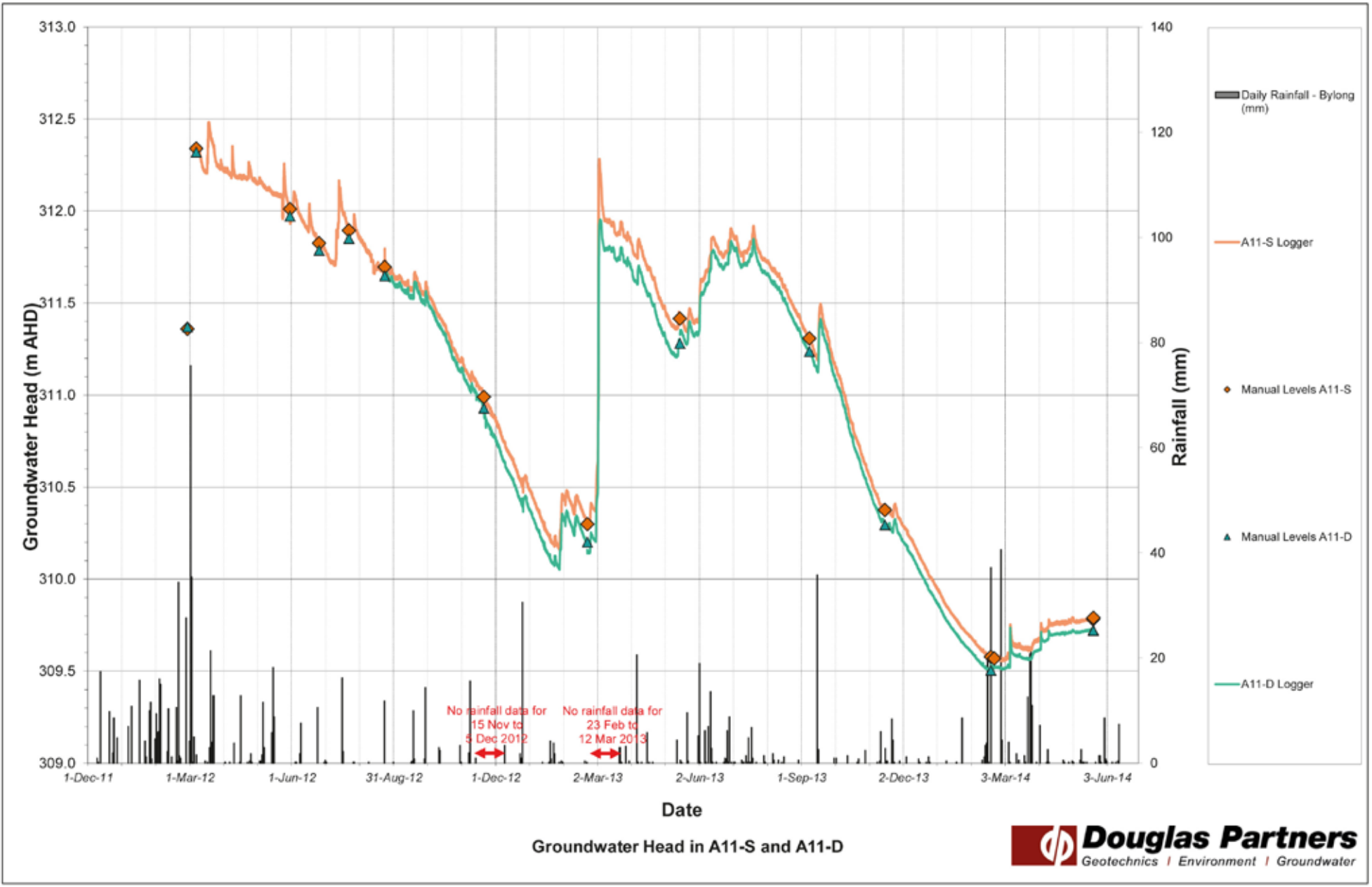


Groundwater Head in A08-S and A08-D



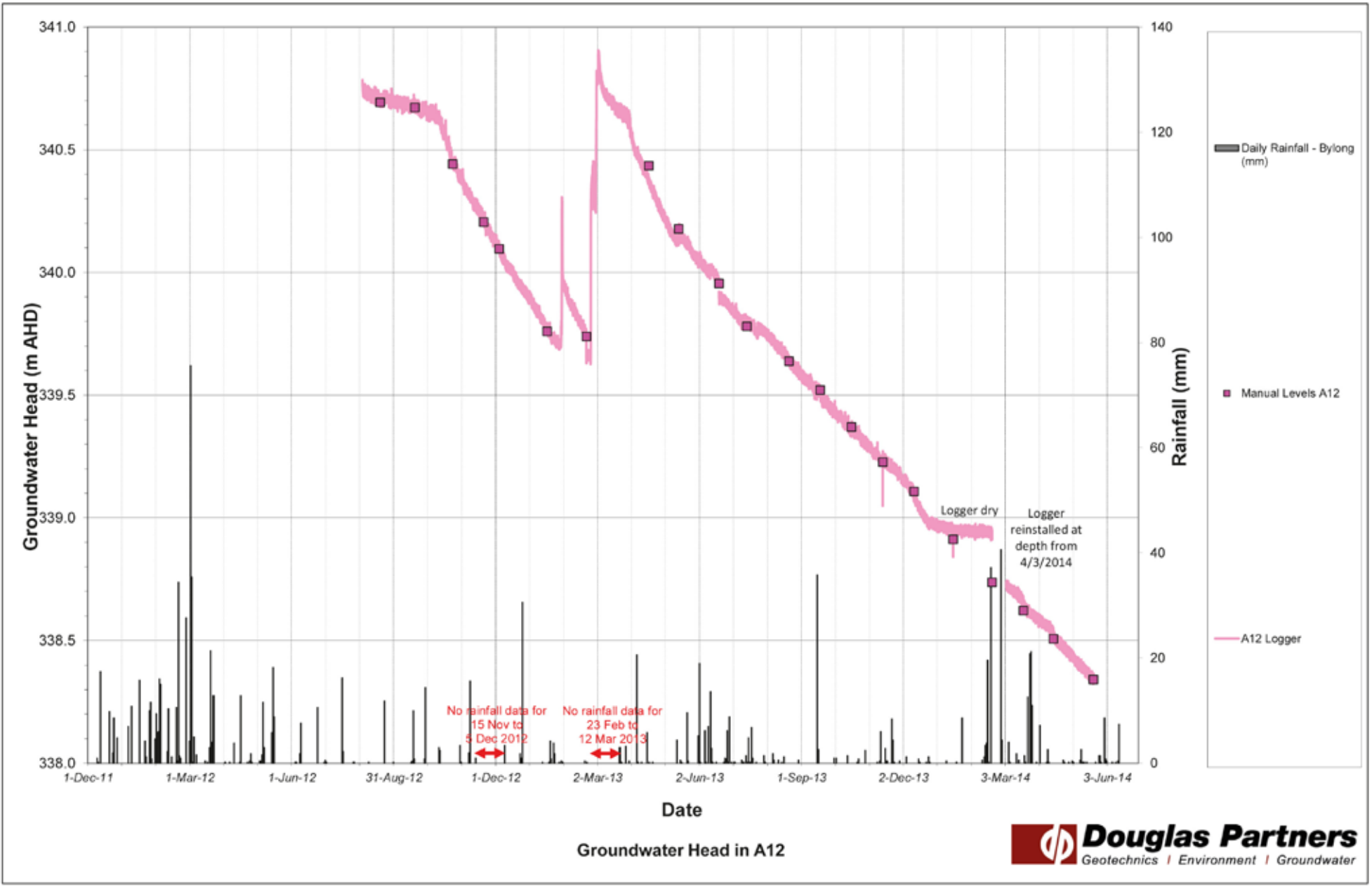


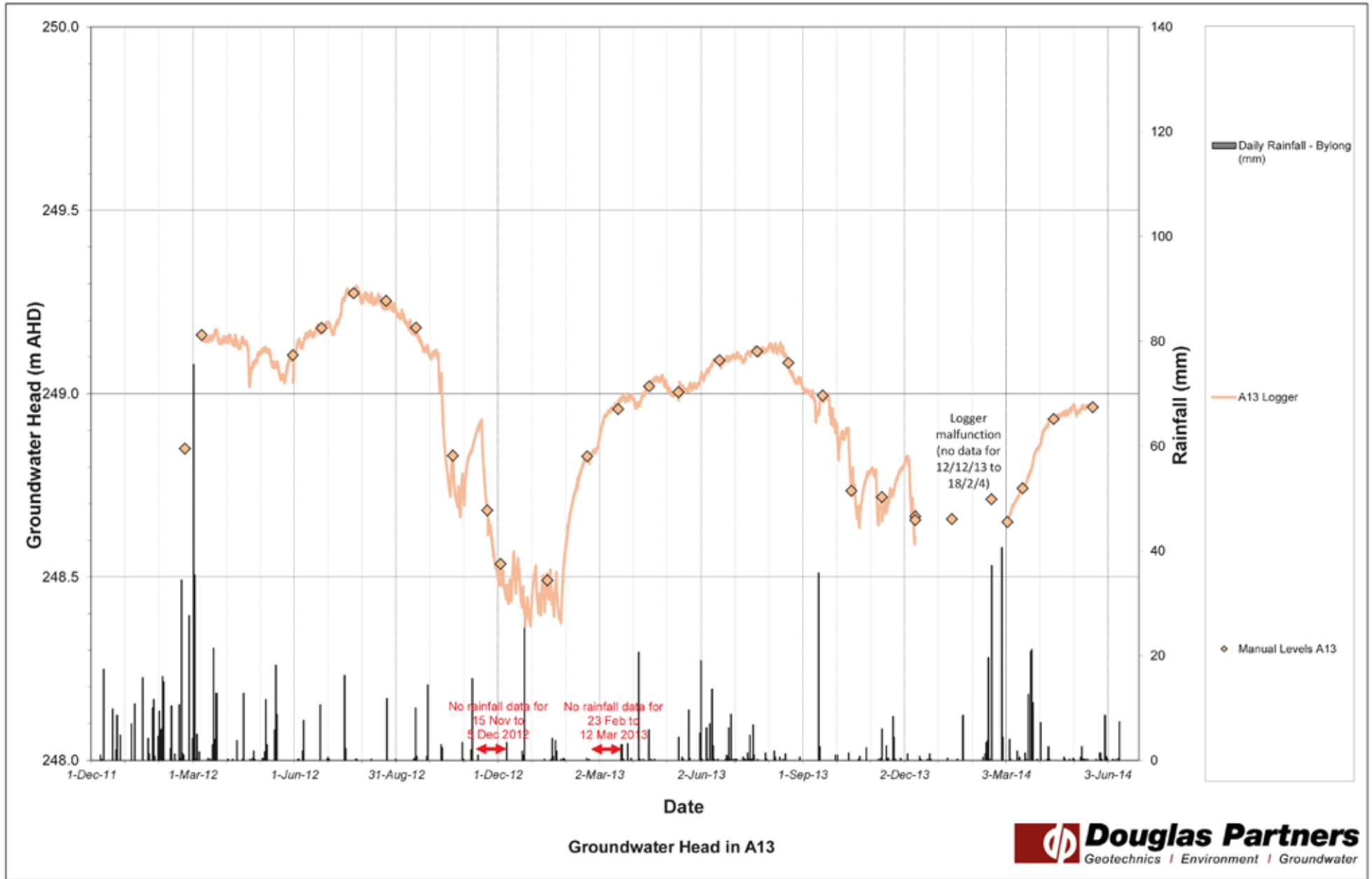


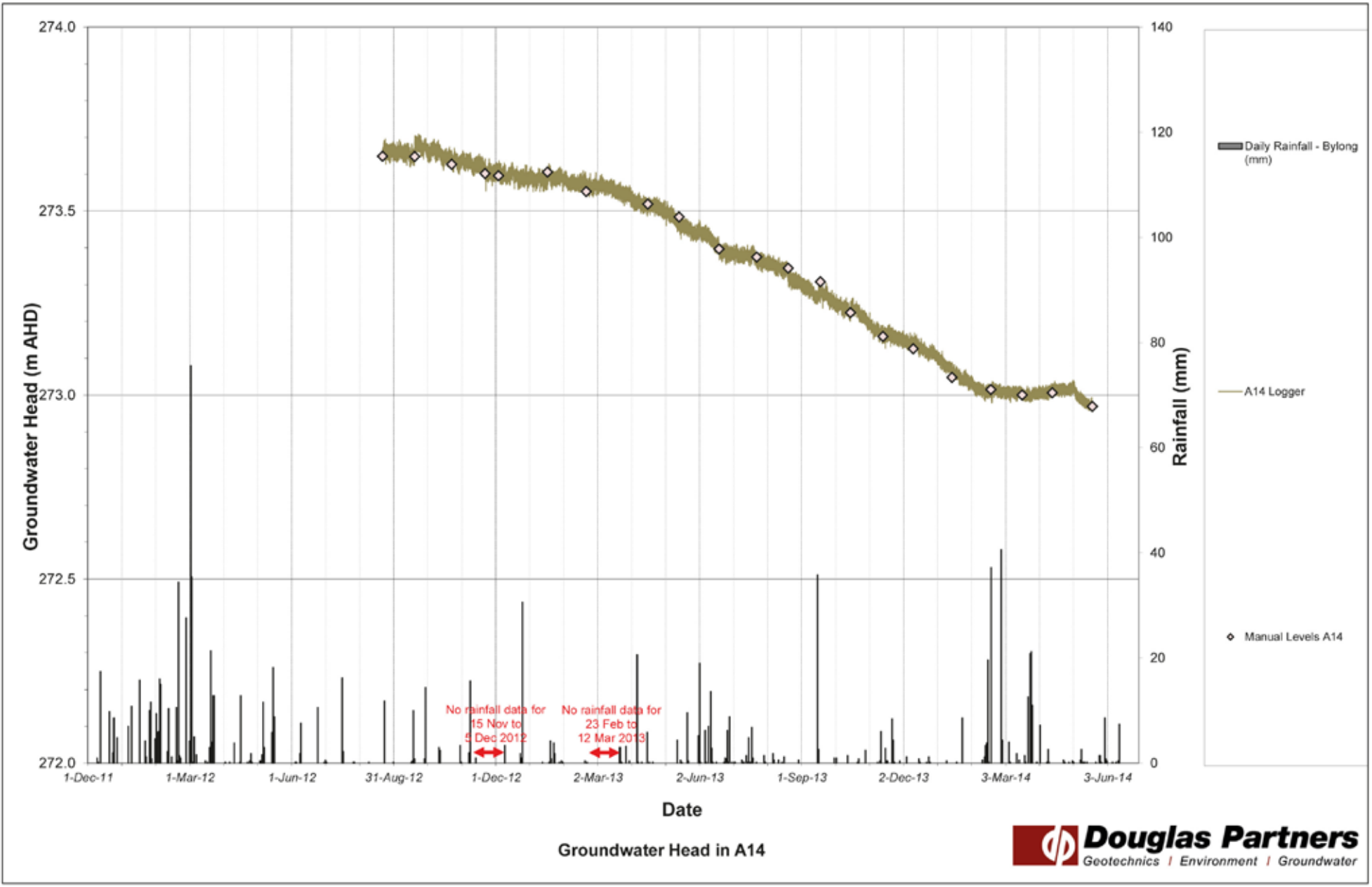


Groundwater Head in A11-S and A11-D

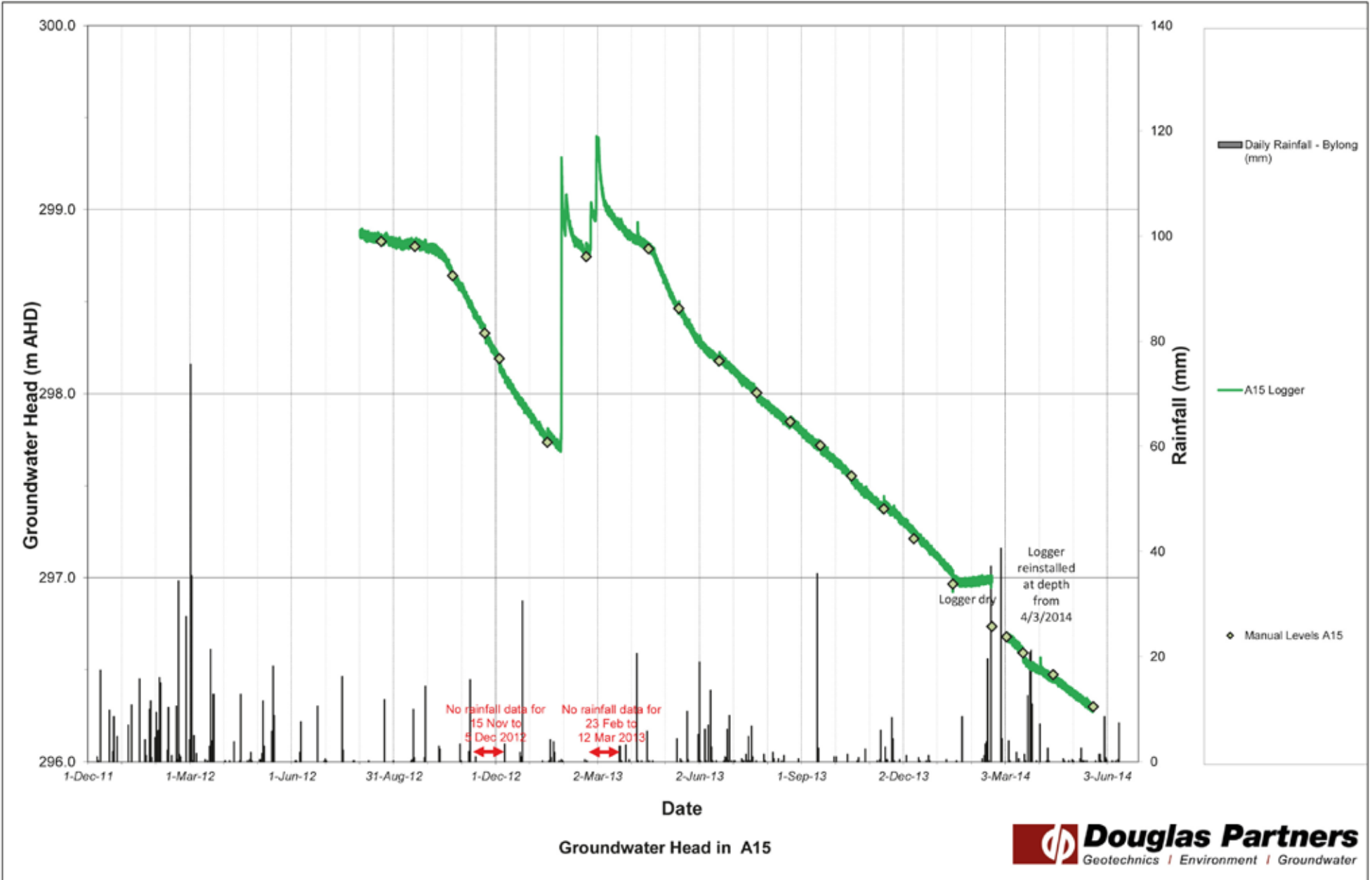


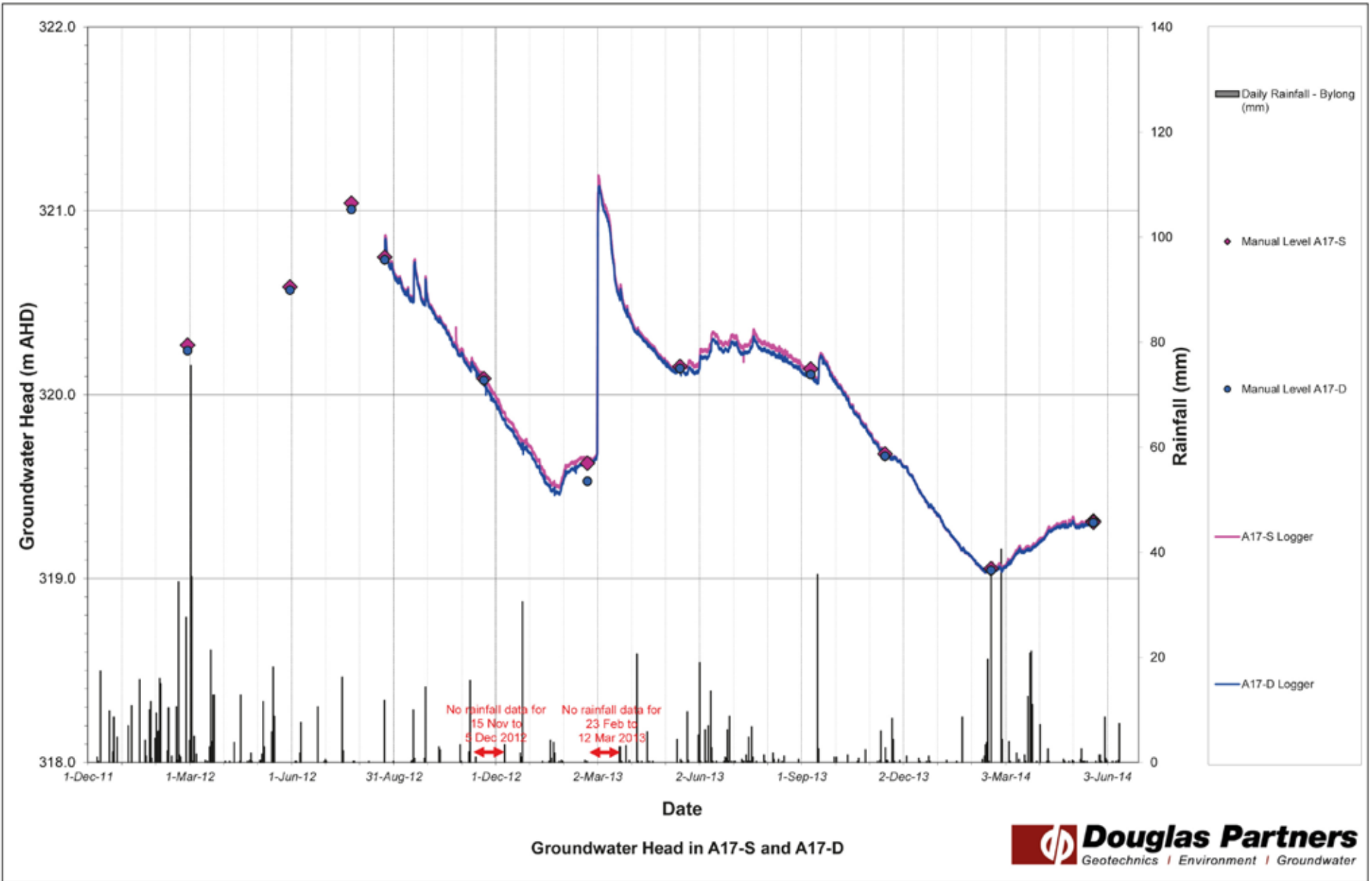






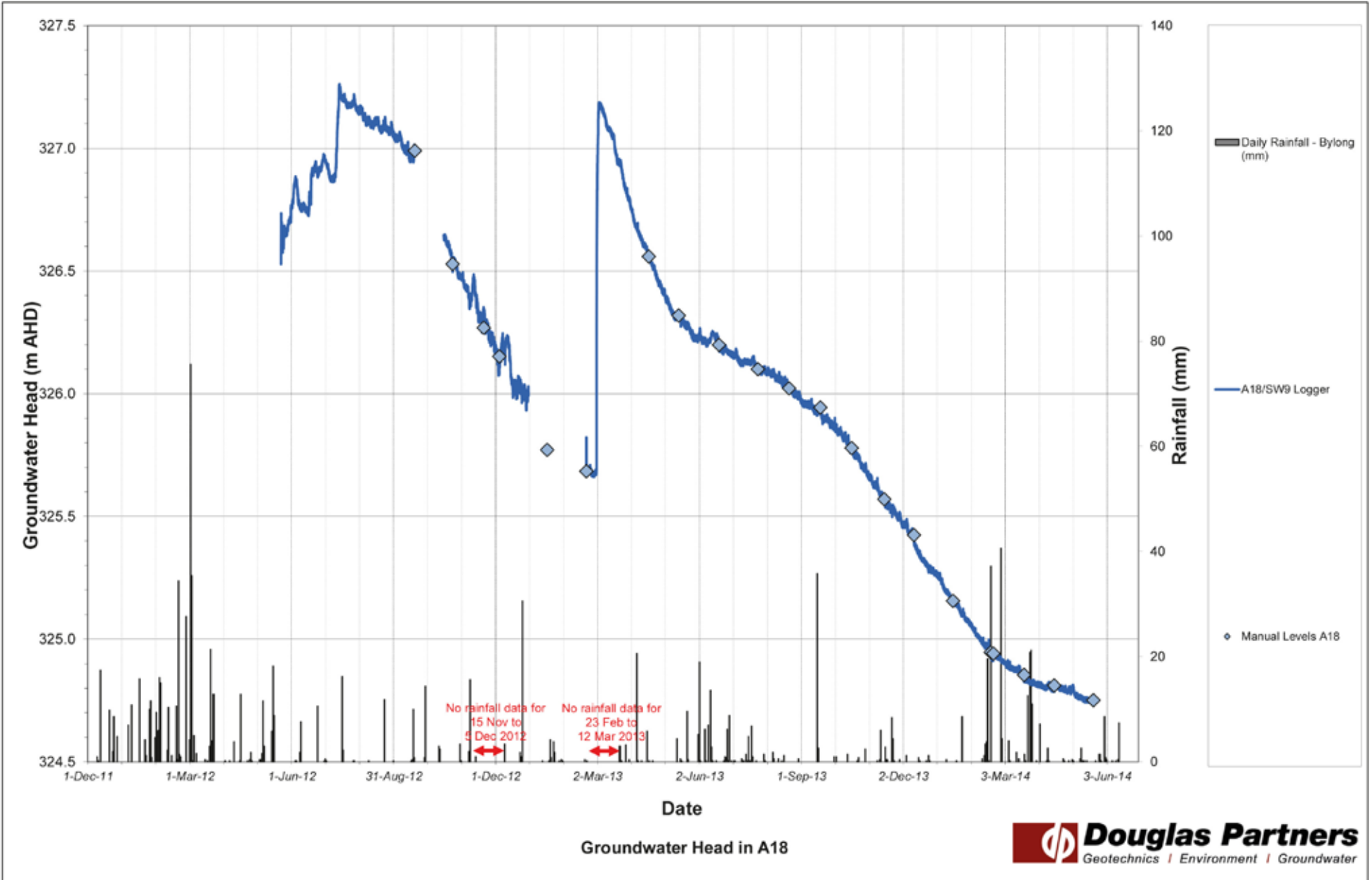
Groundwater Head in A14

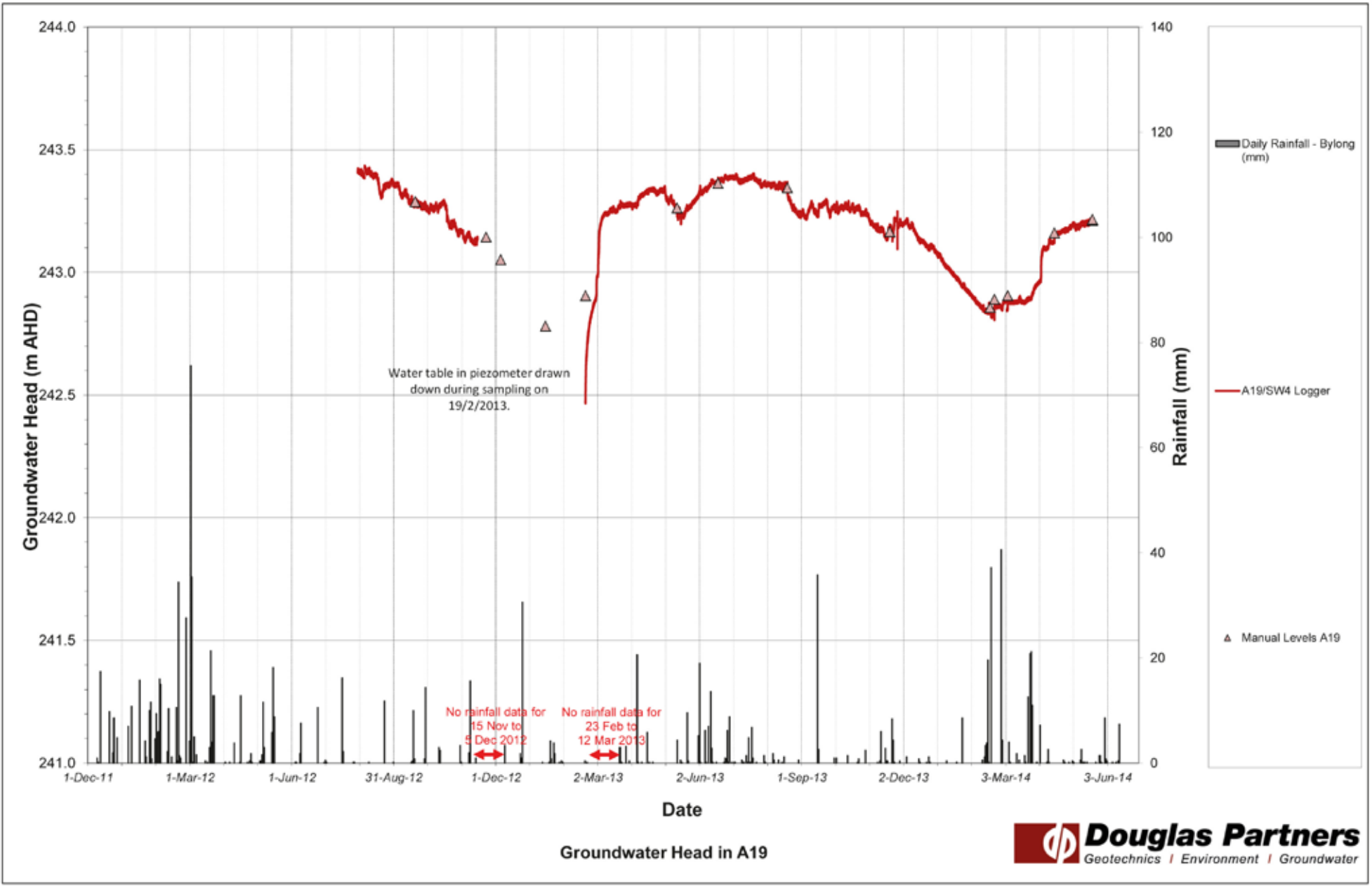


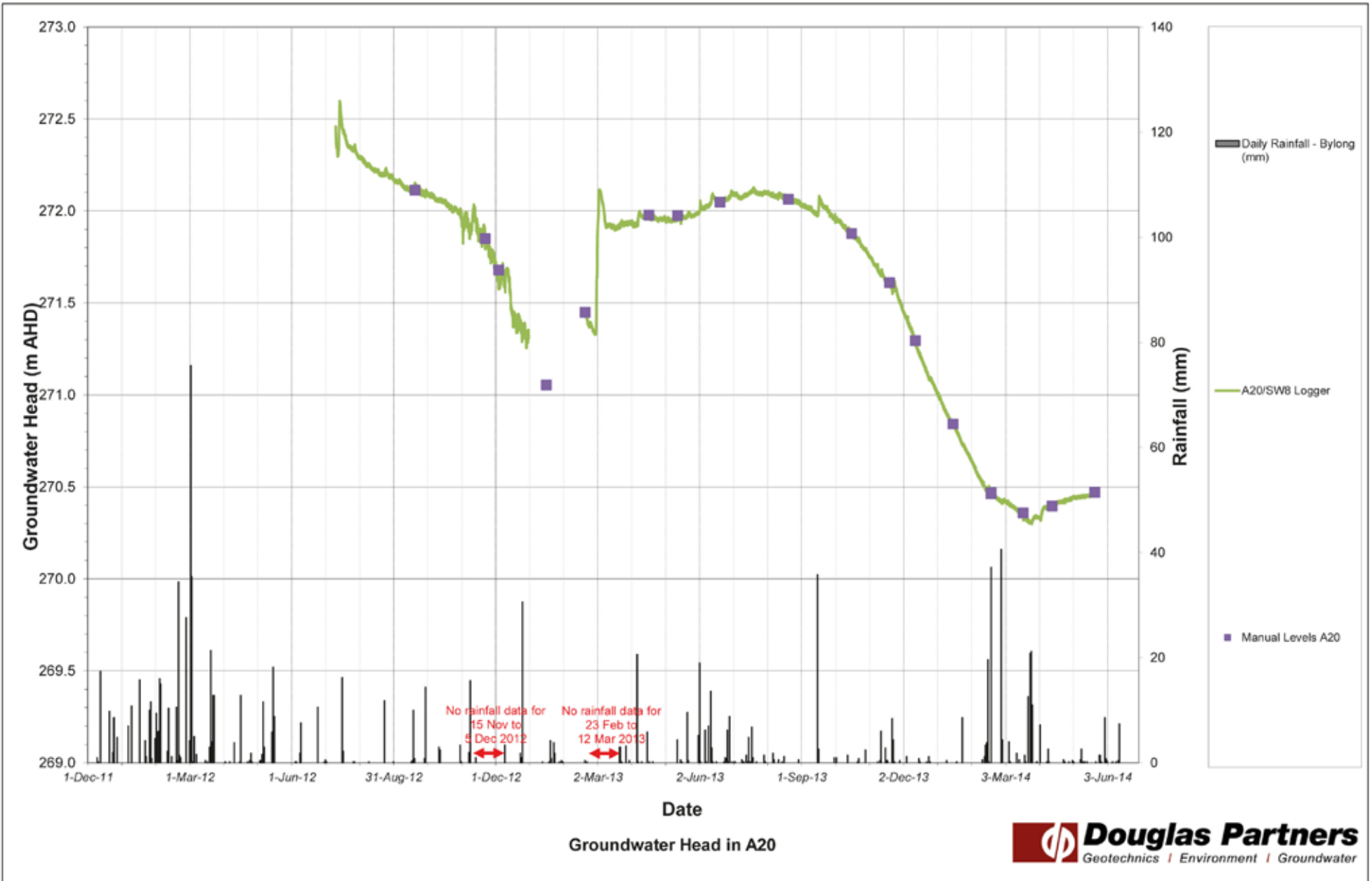


Groundwater Head in A17-S and A17-D

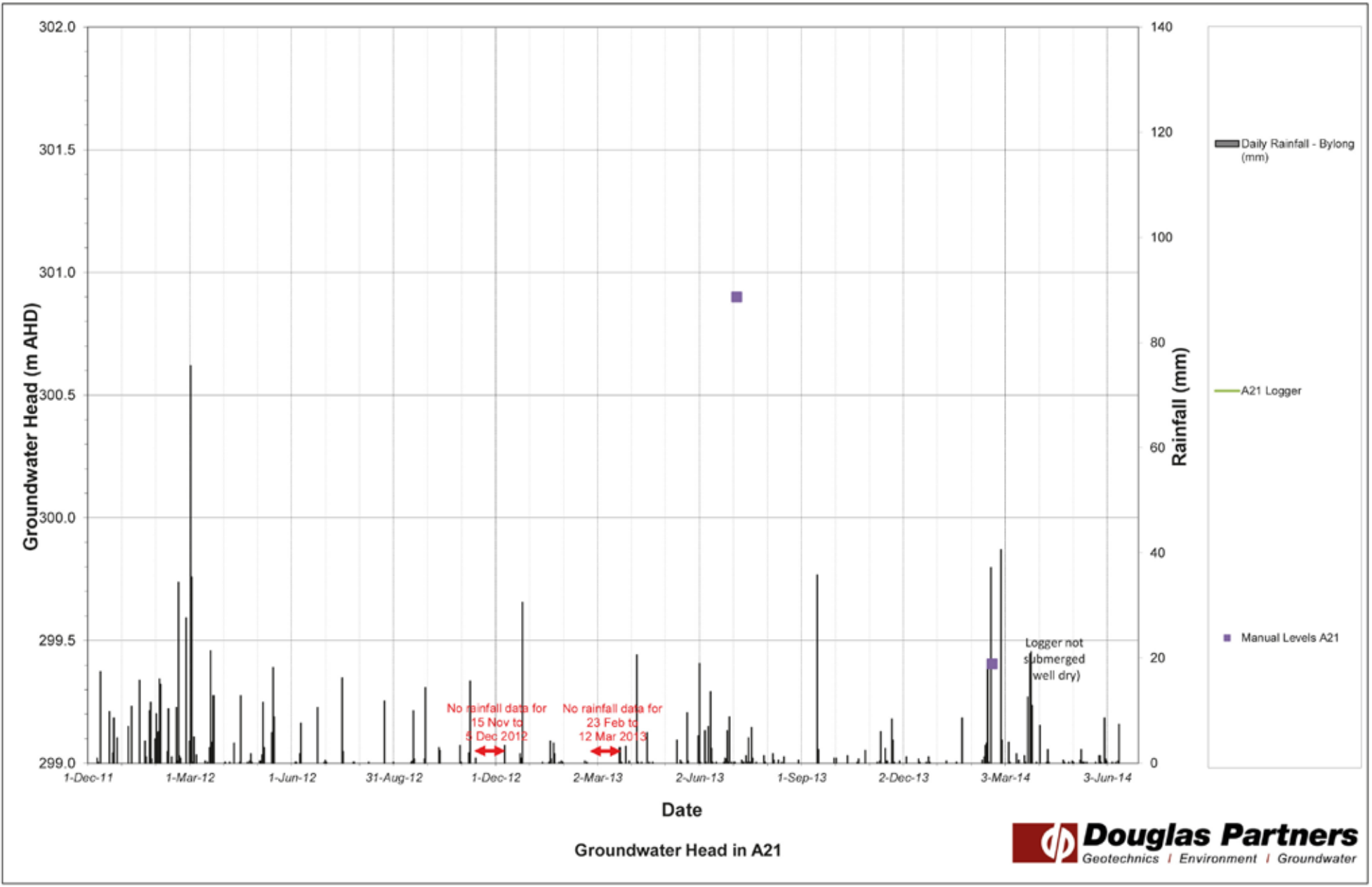


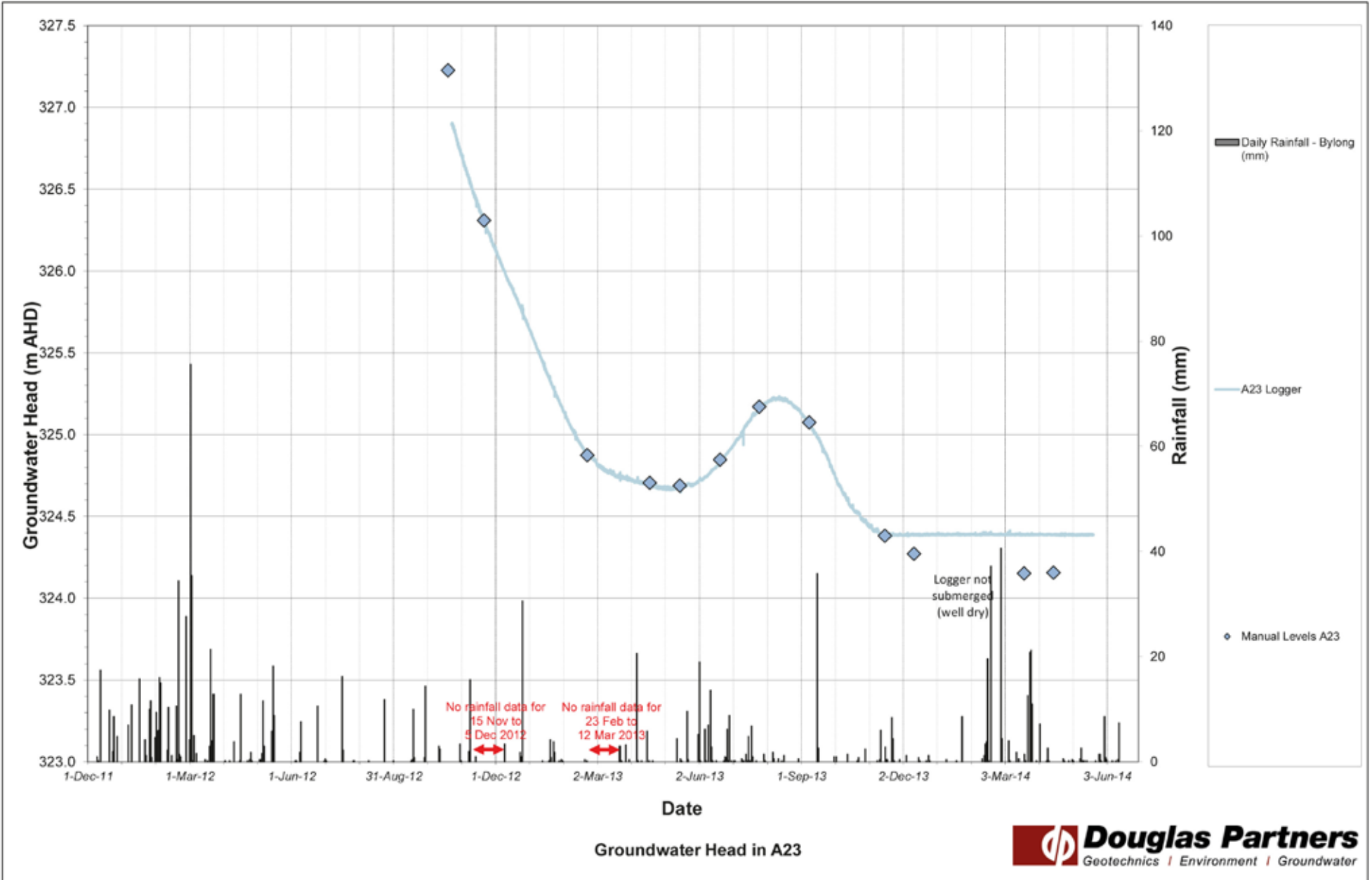


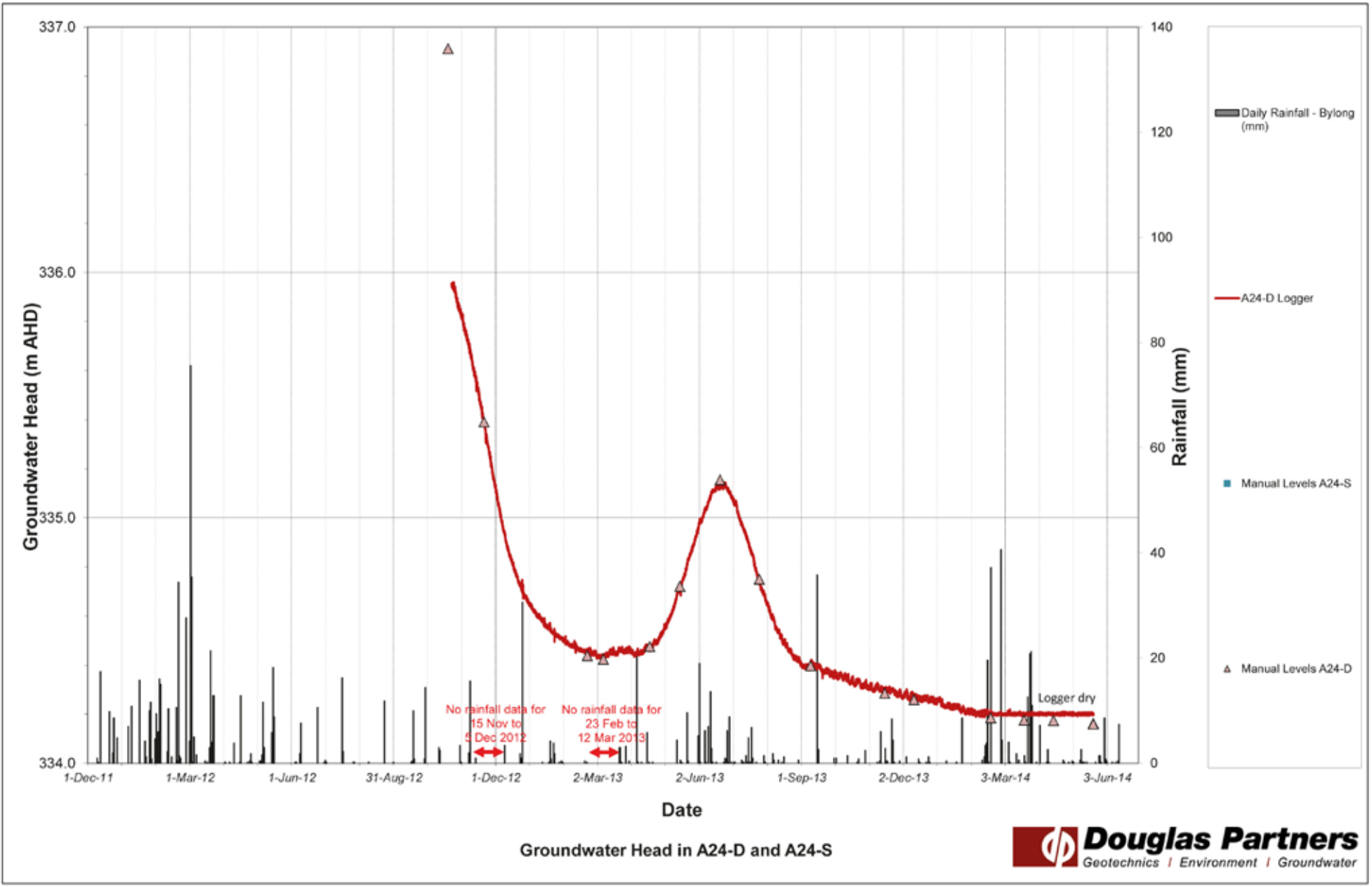




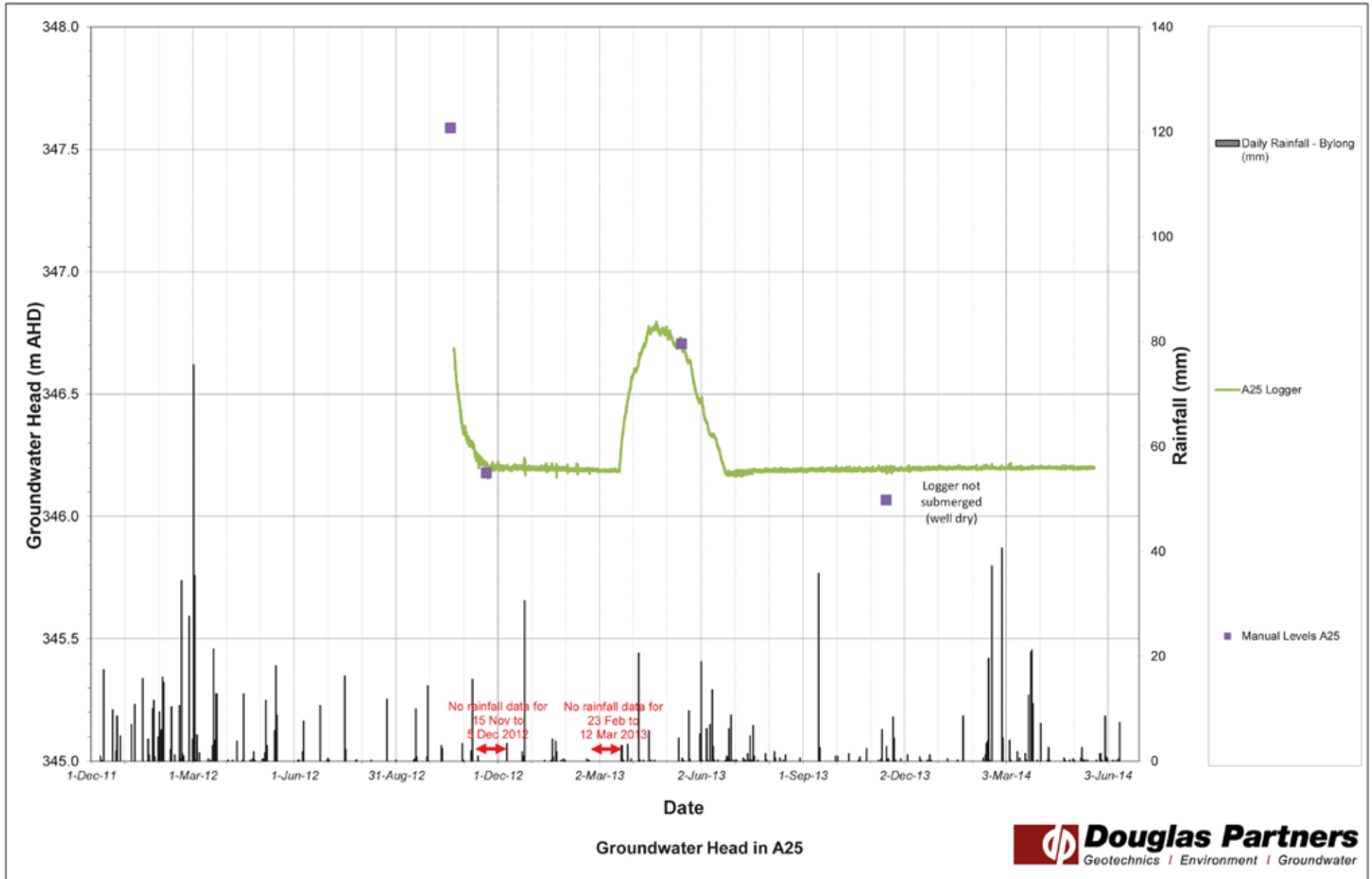
Groundwater Head in A20

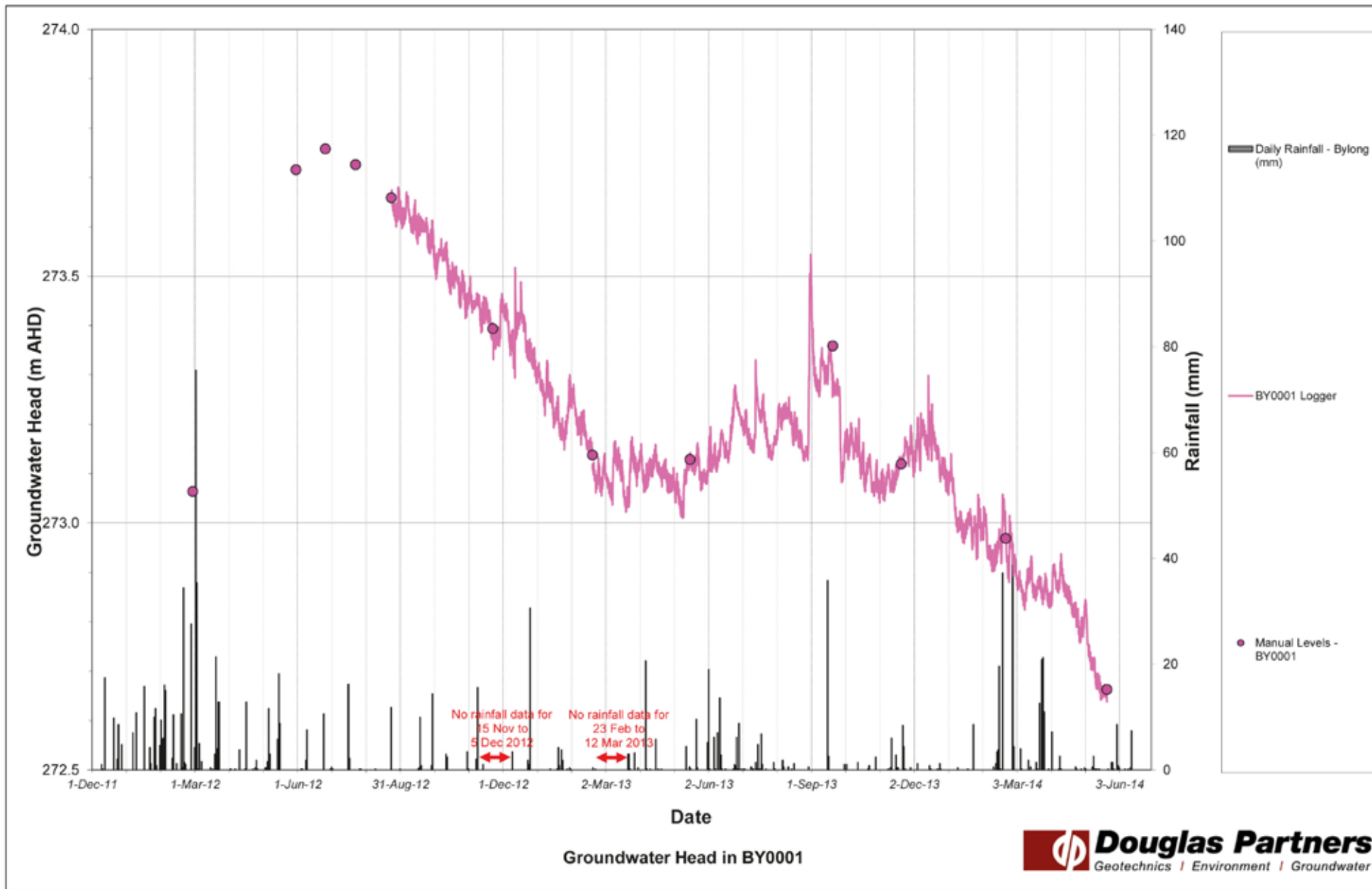


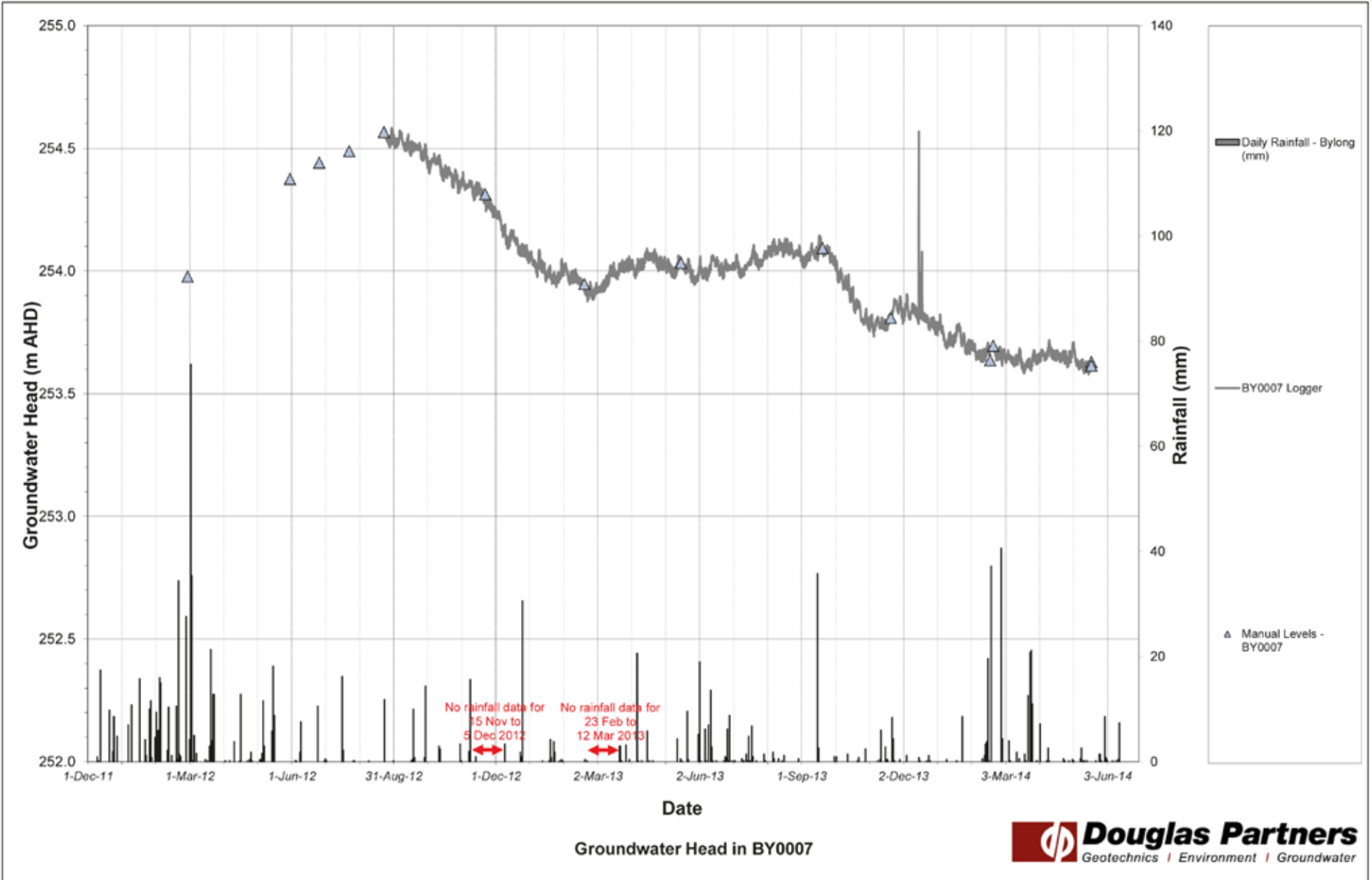


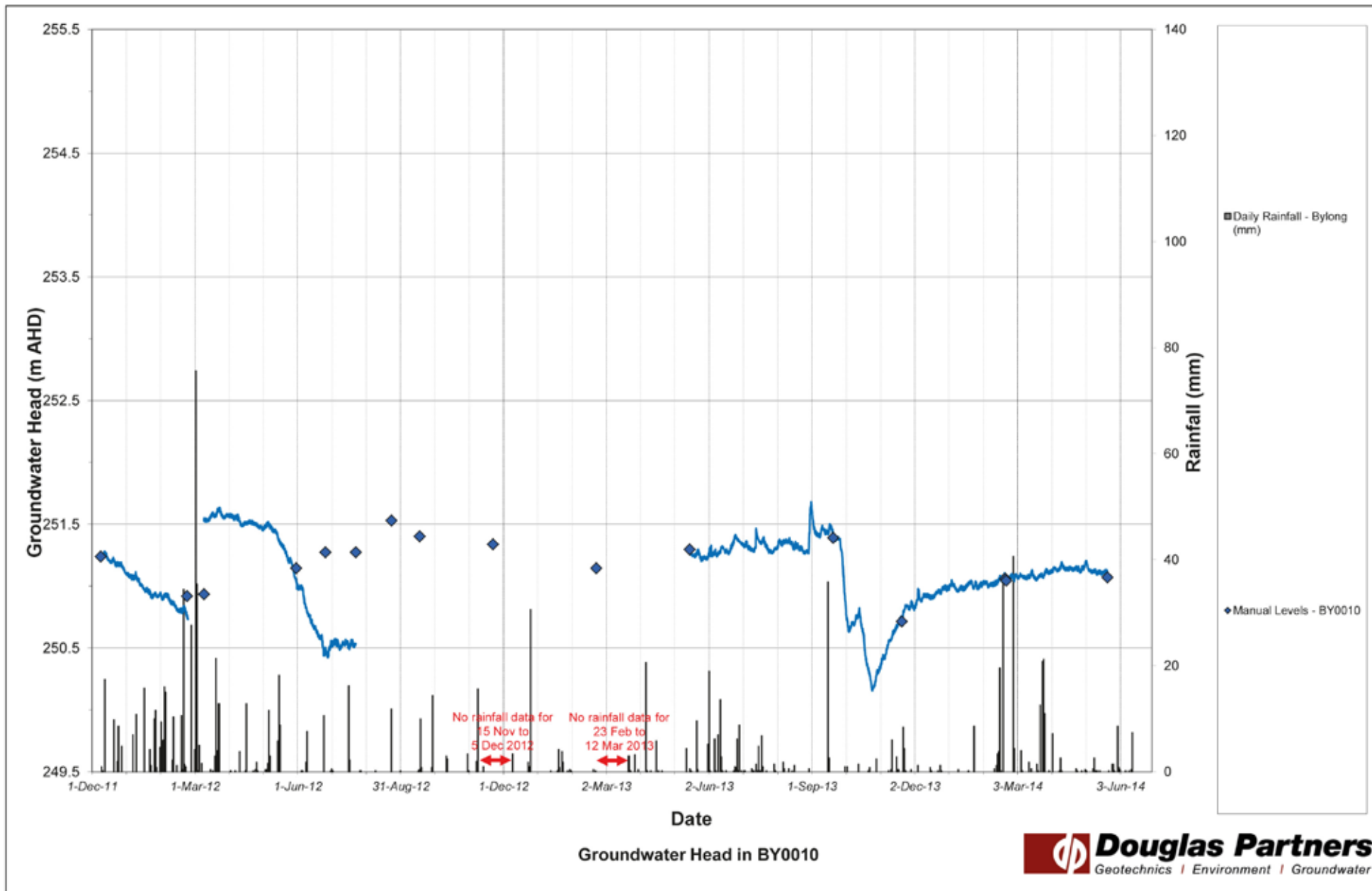


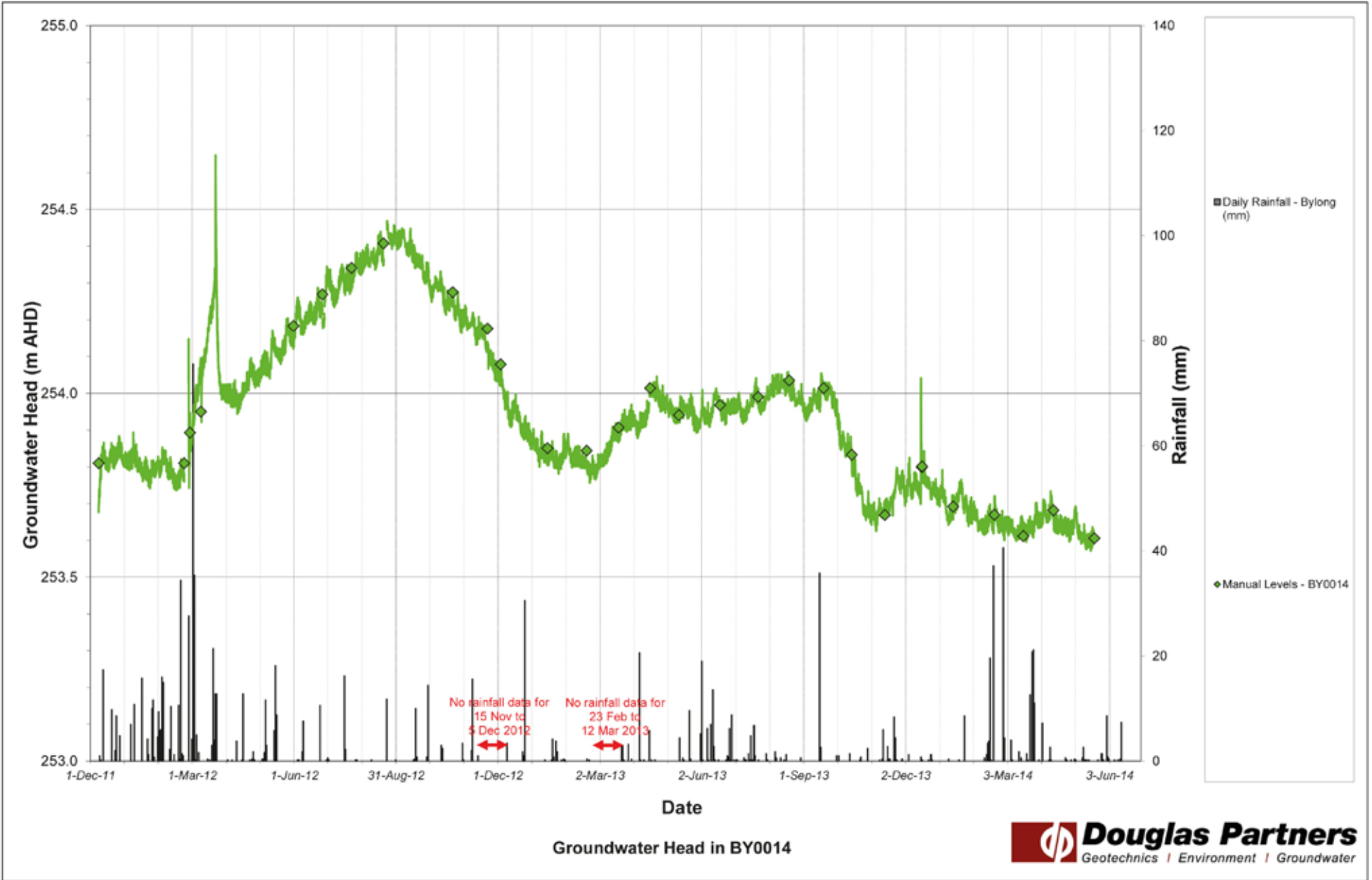
Groundwater Head in A24-D and A24-S

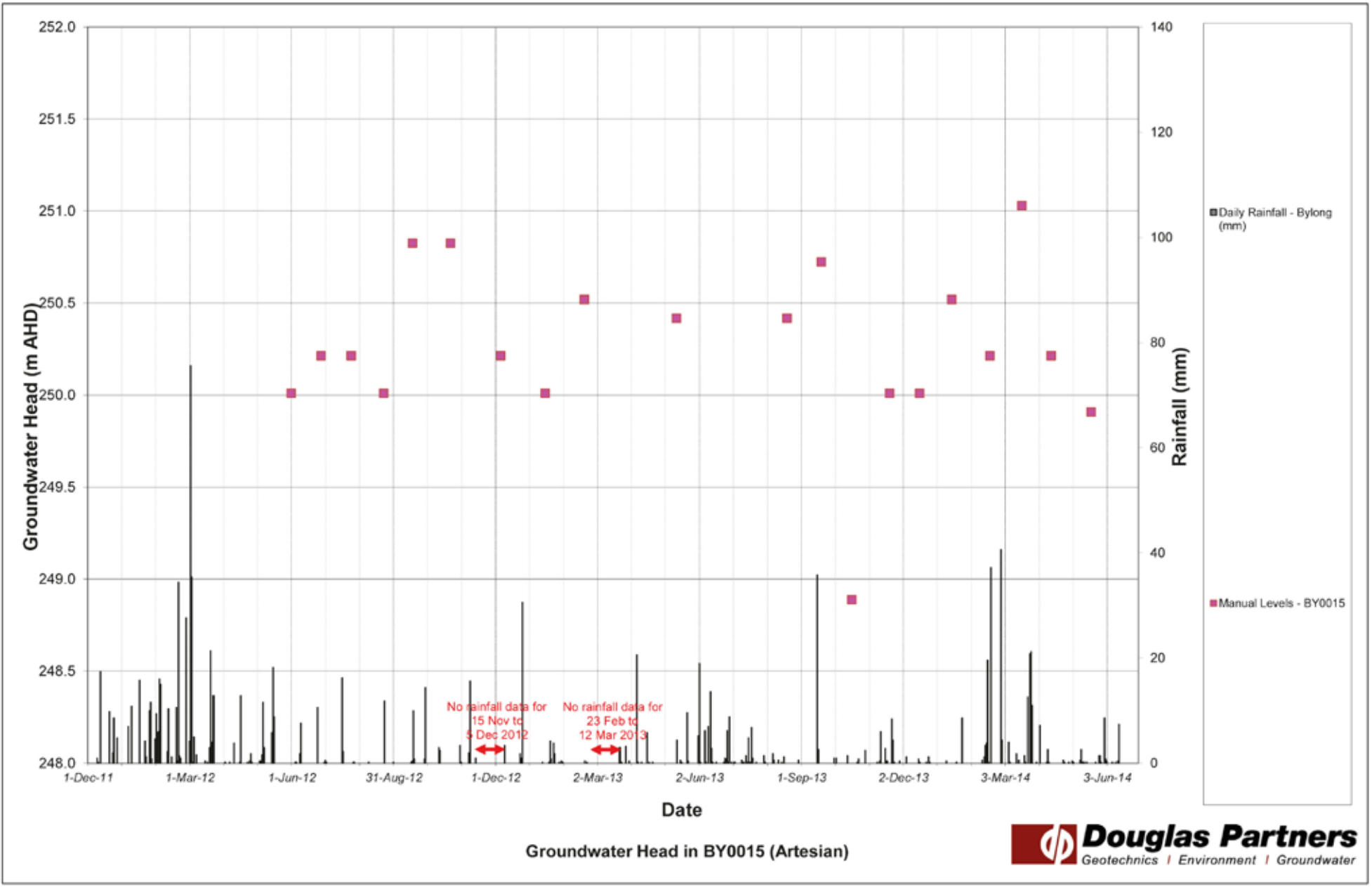




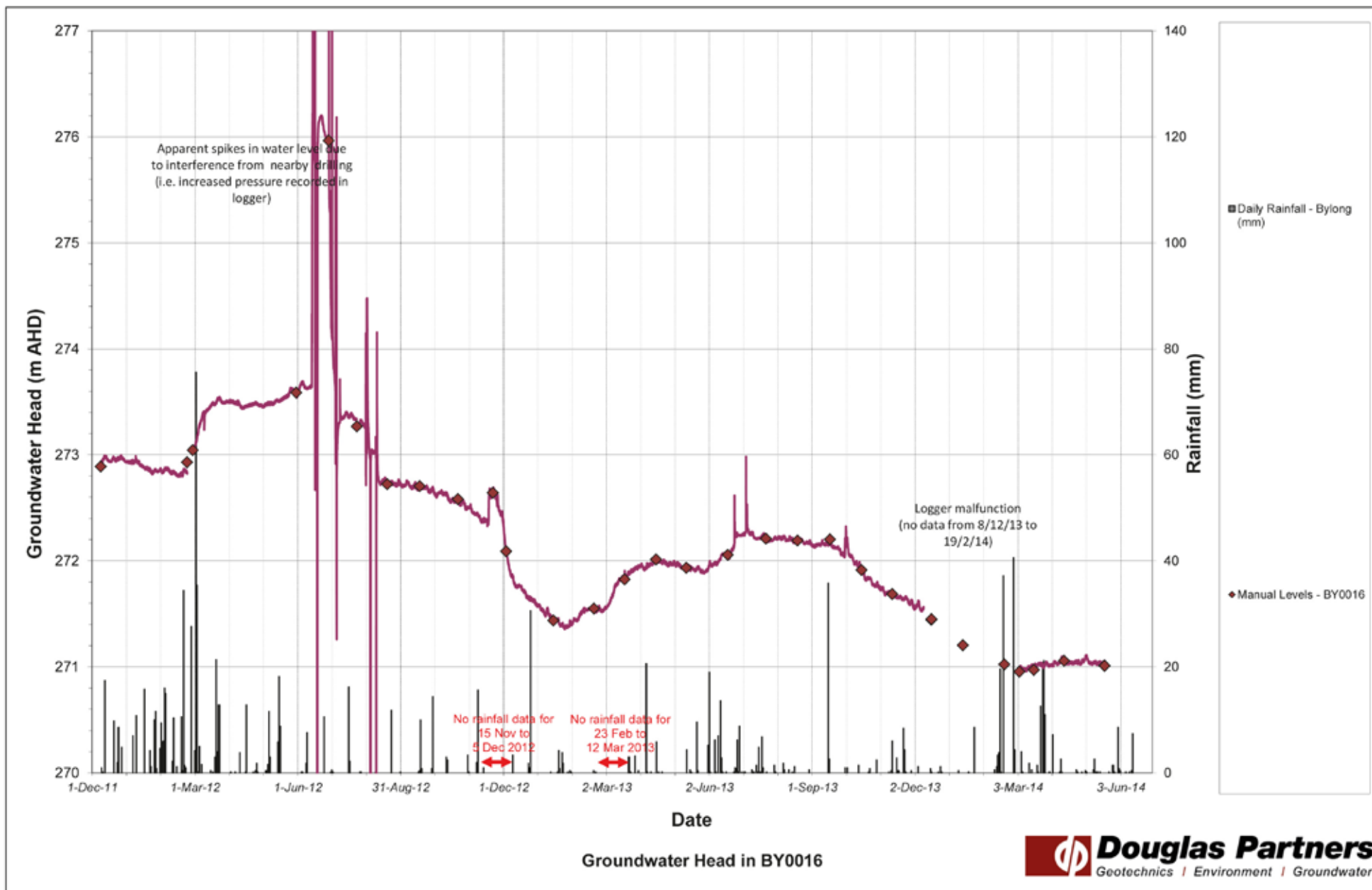


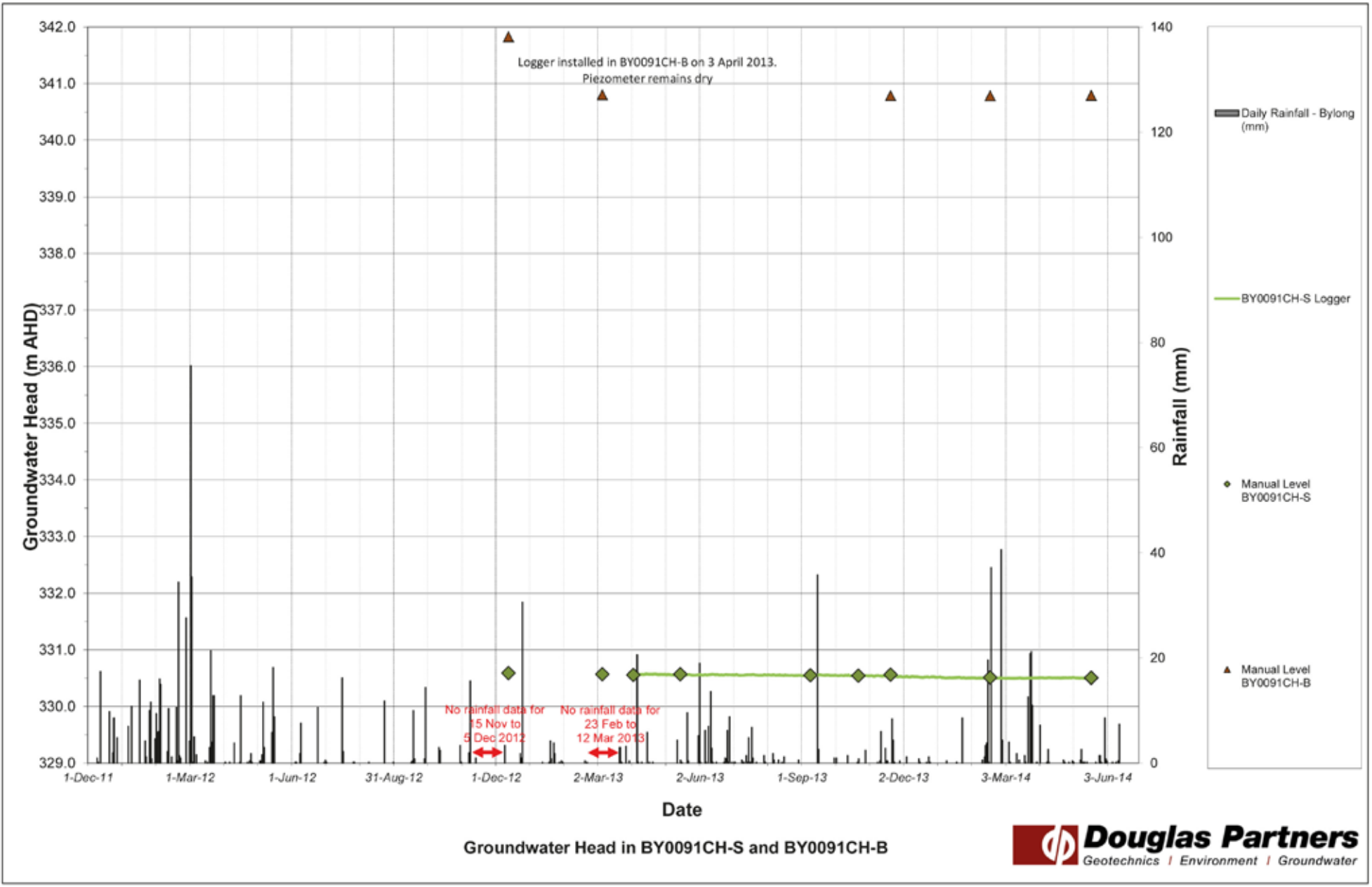


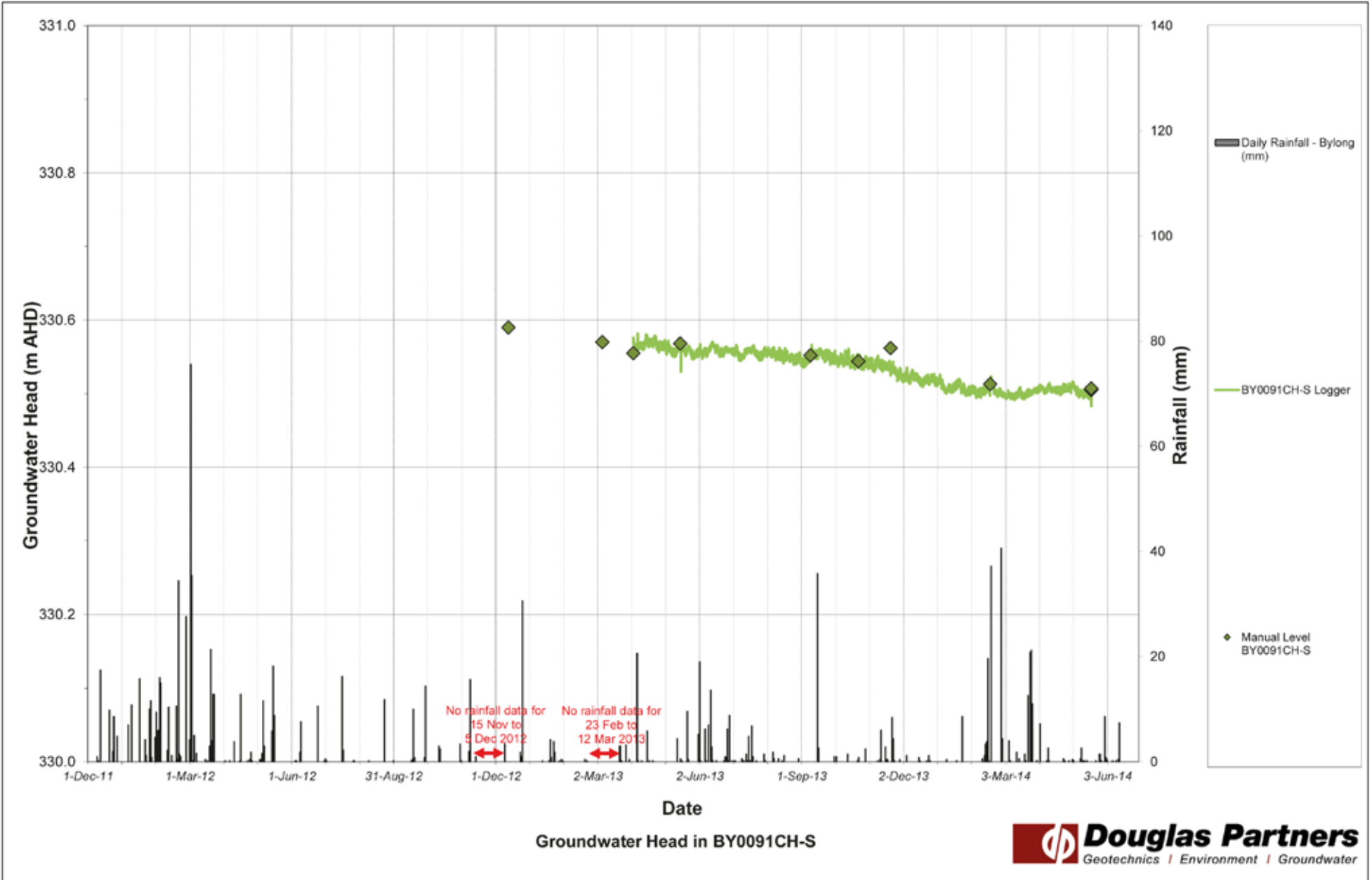


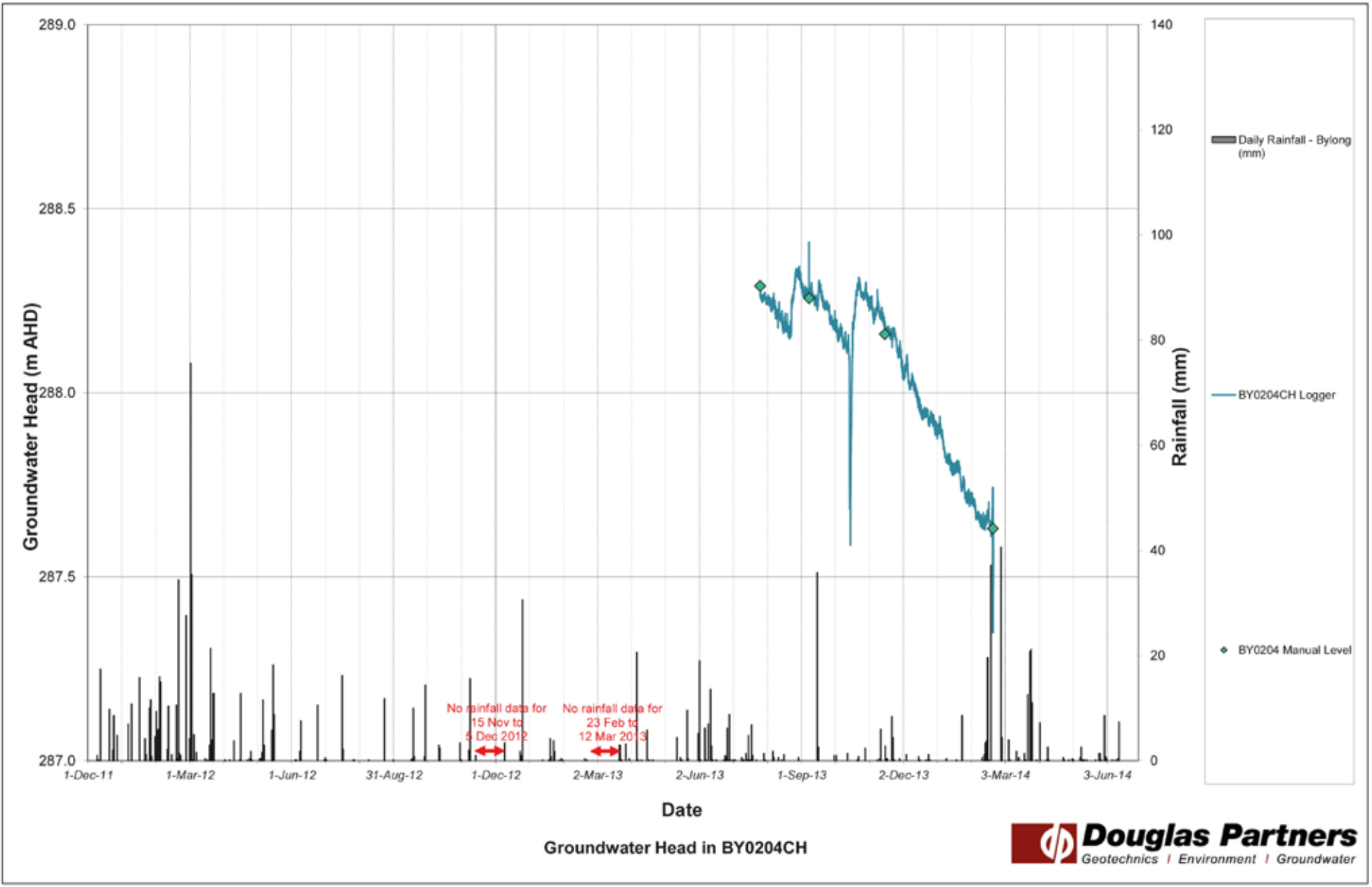


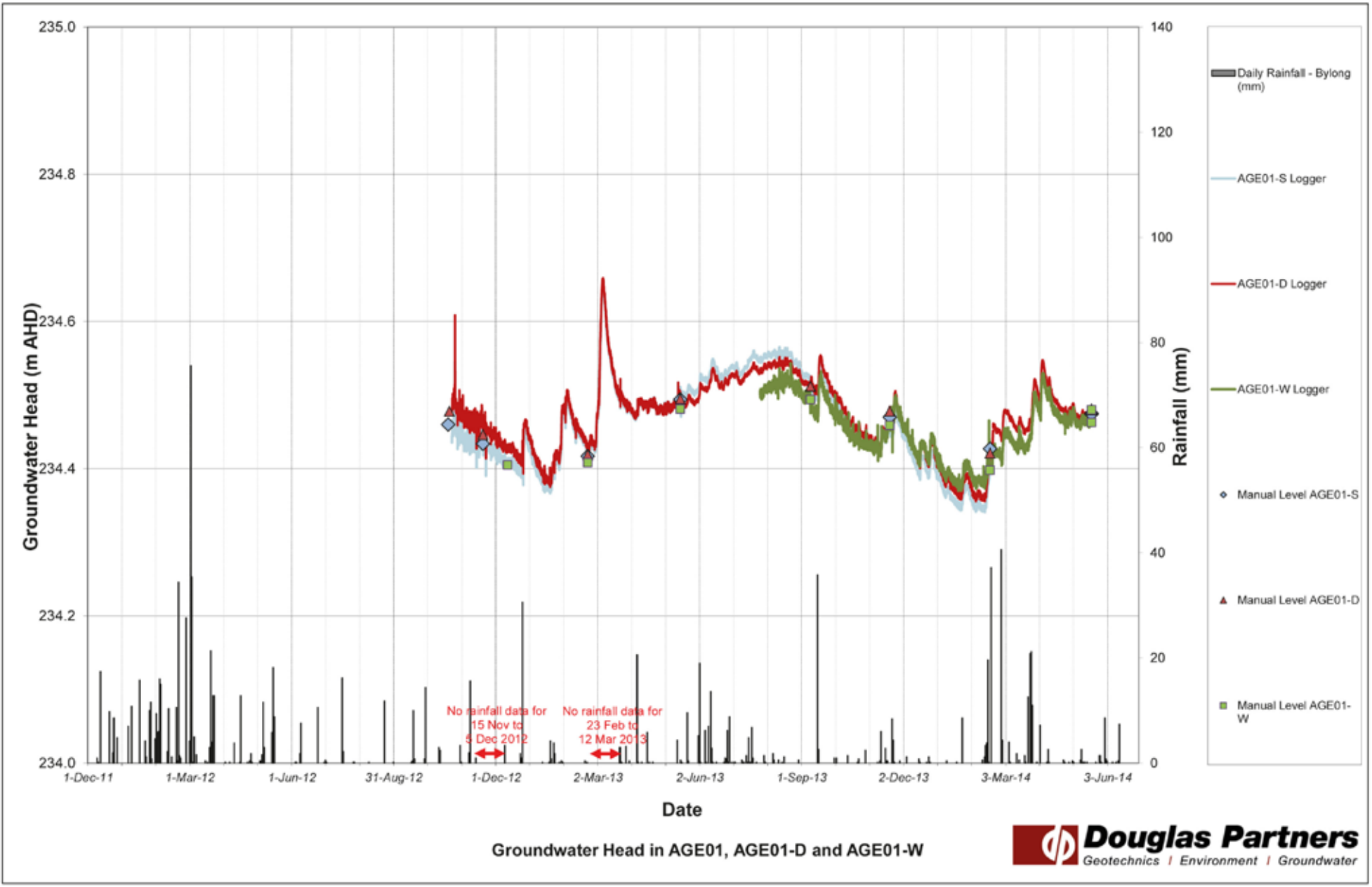
Groundwater Head in BY0015 (Artesian)



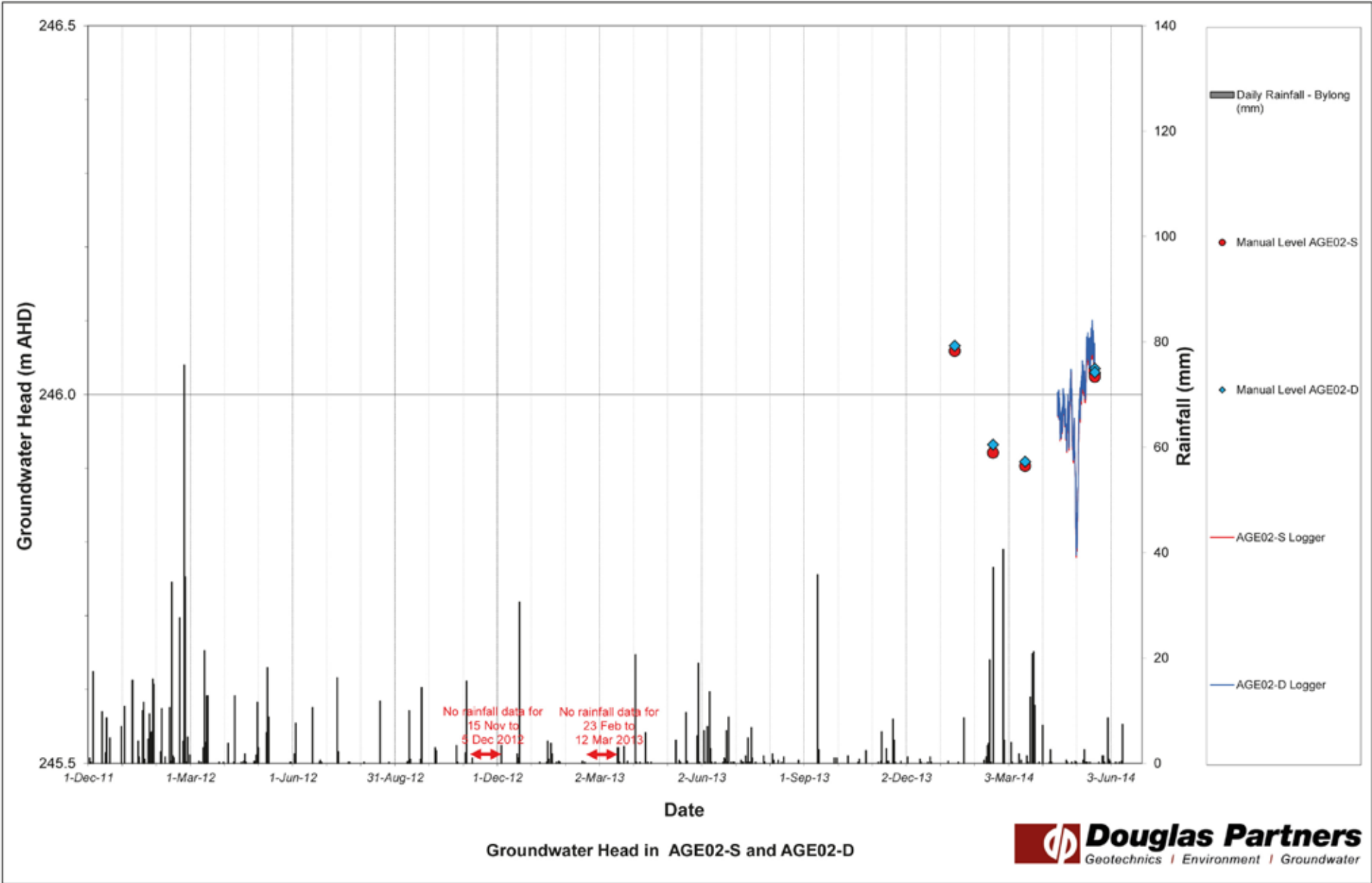


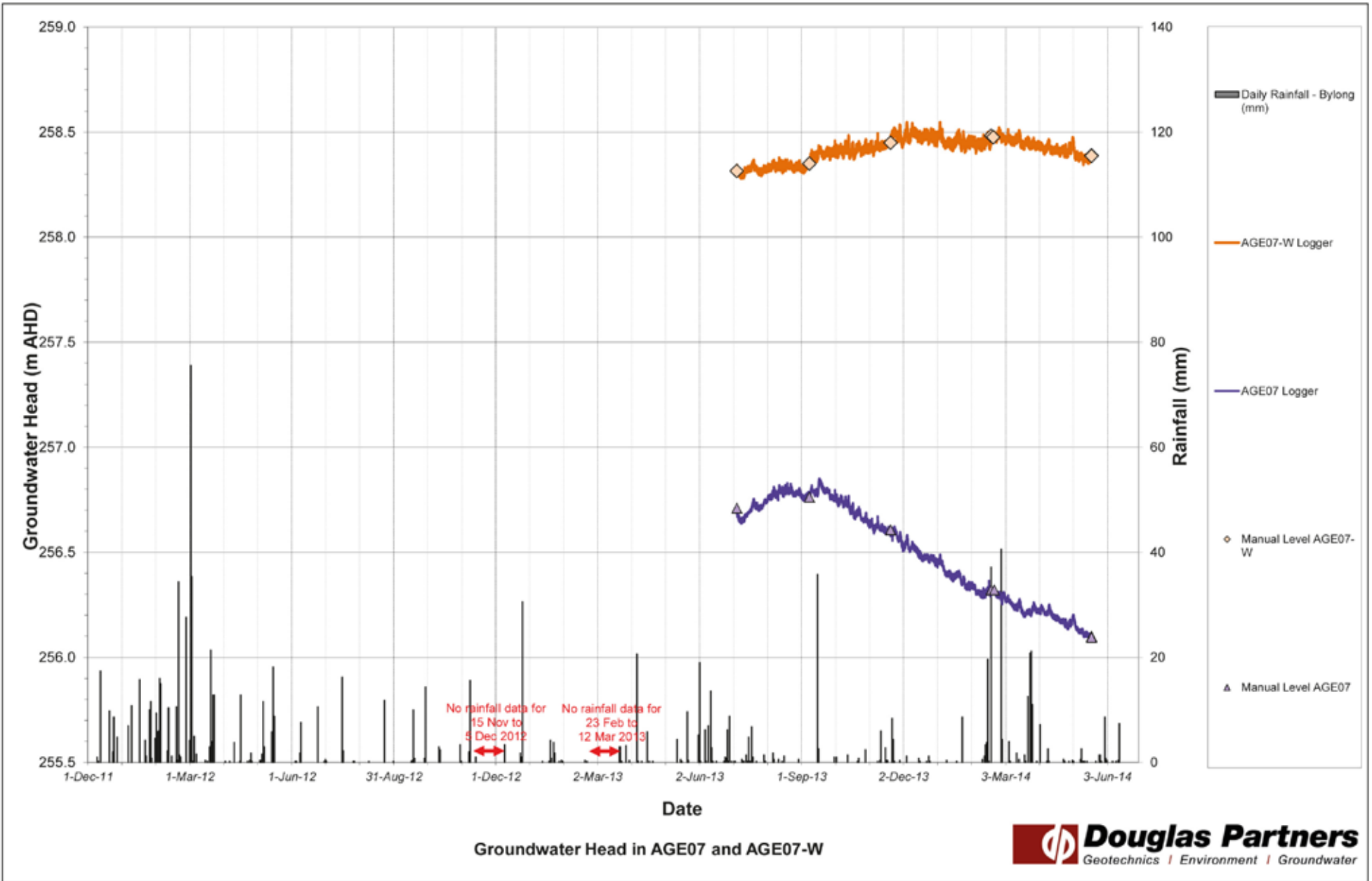






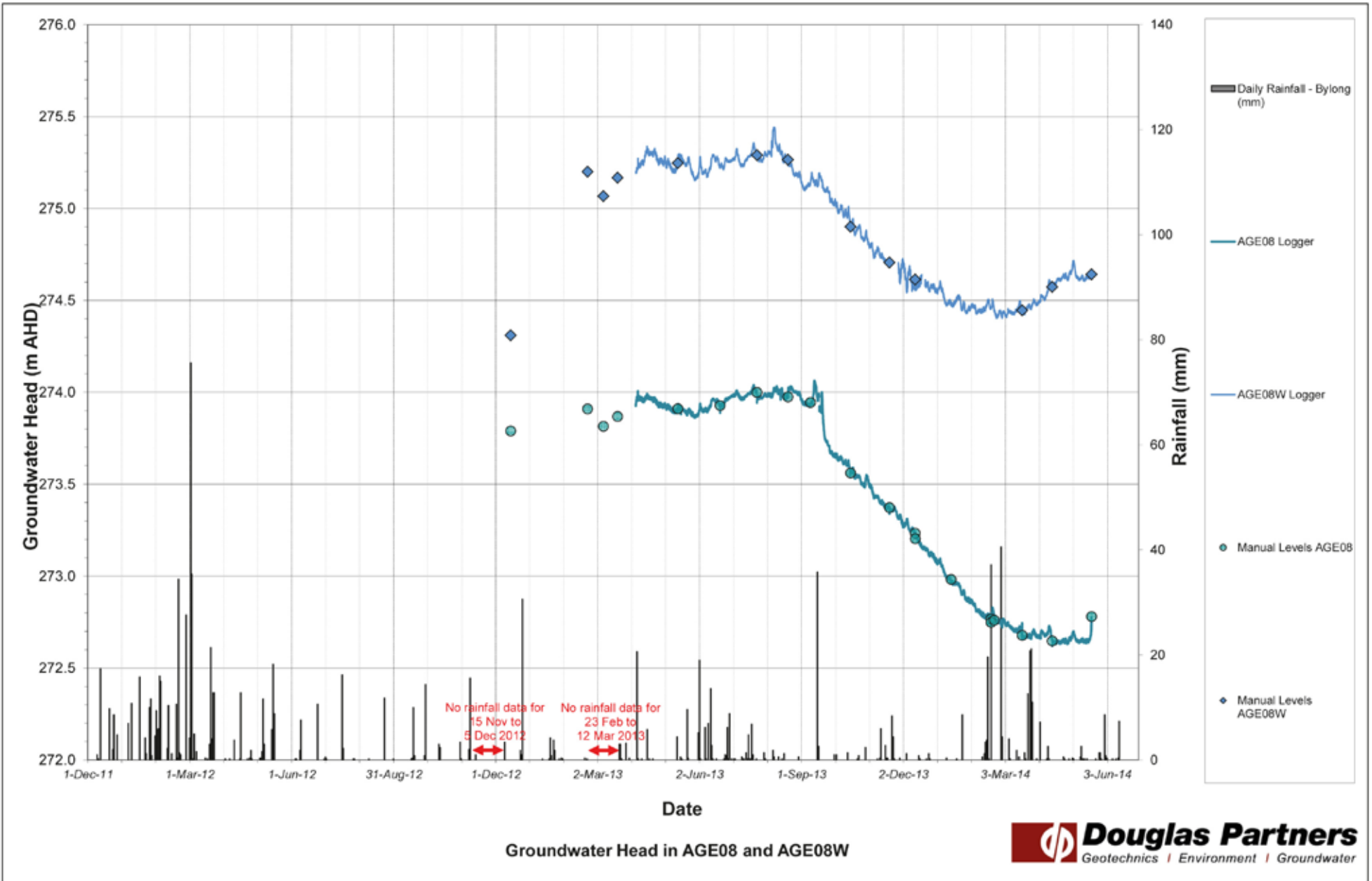
Groundwater Head in AGE01, AGE01-D and AGE01-W





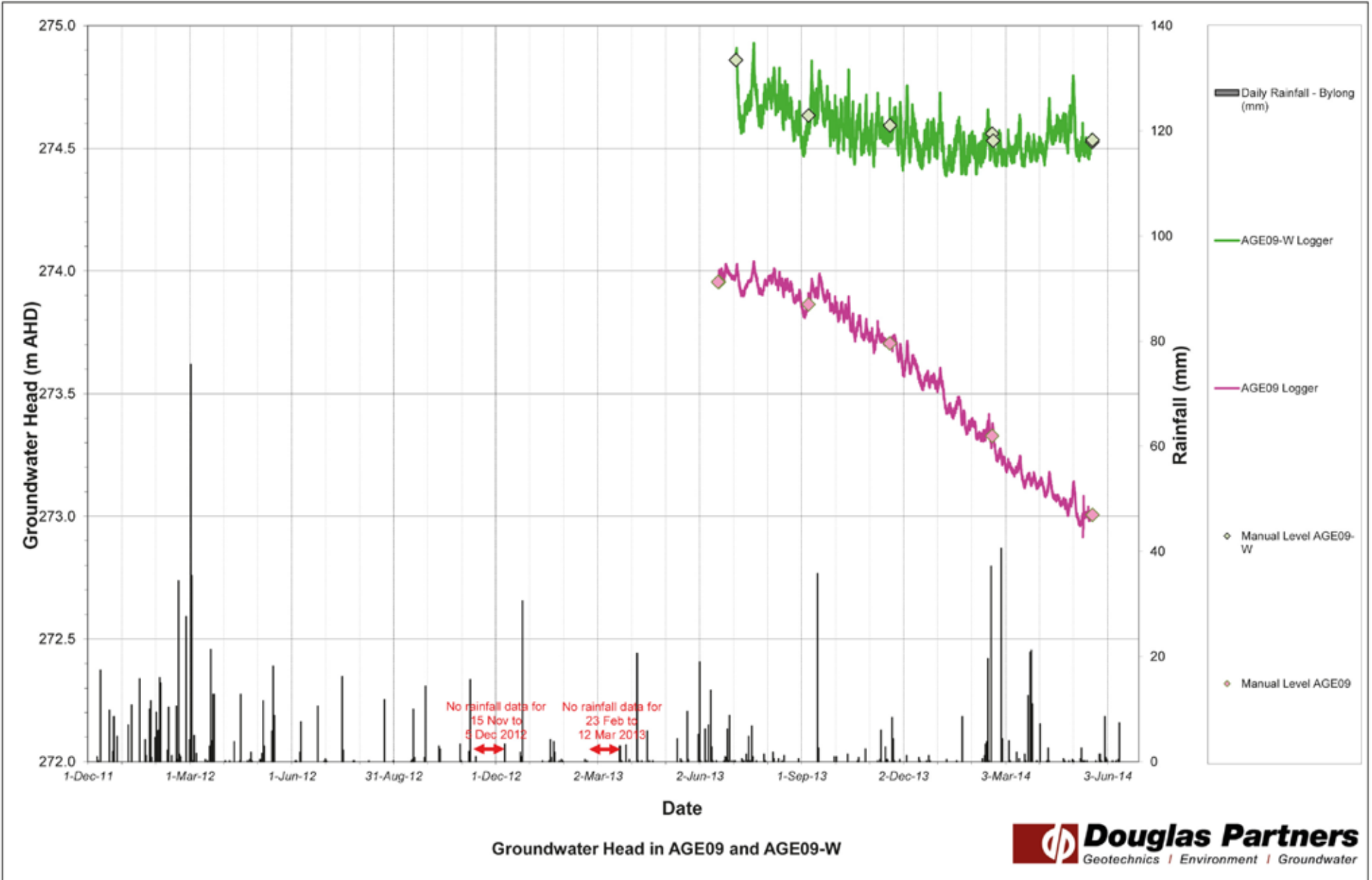
Groundwater Head in AGE07 and AGE07-W

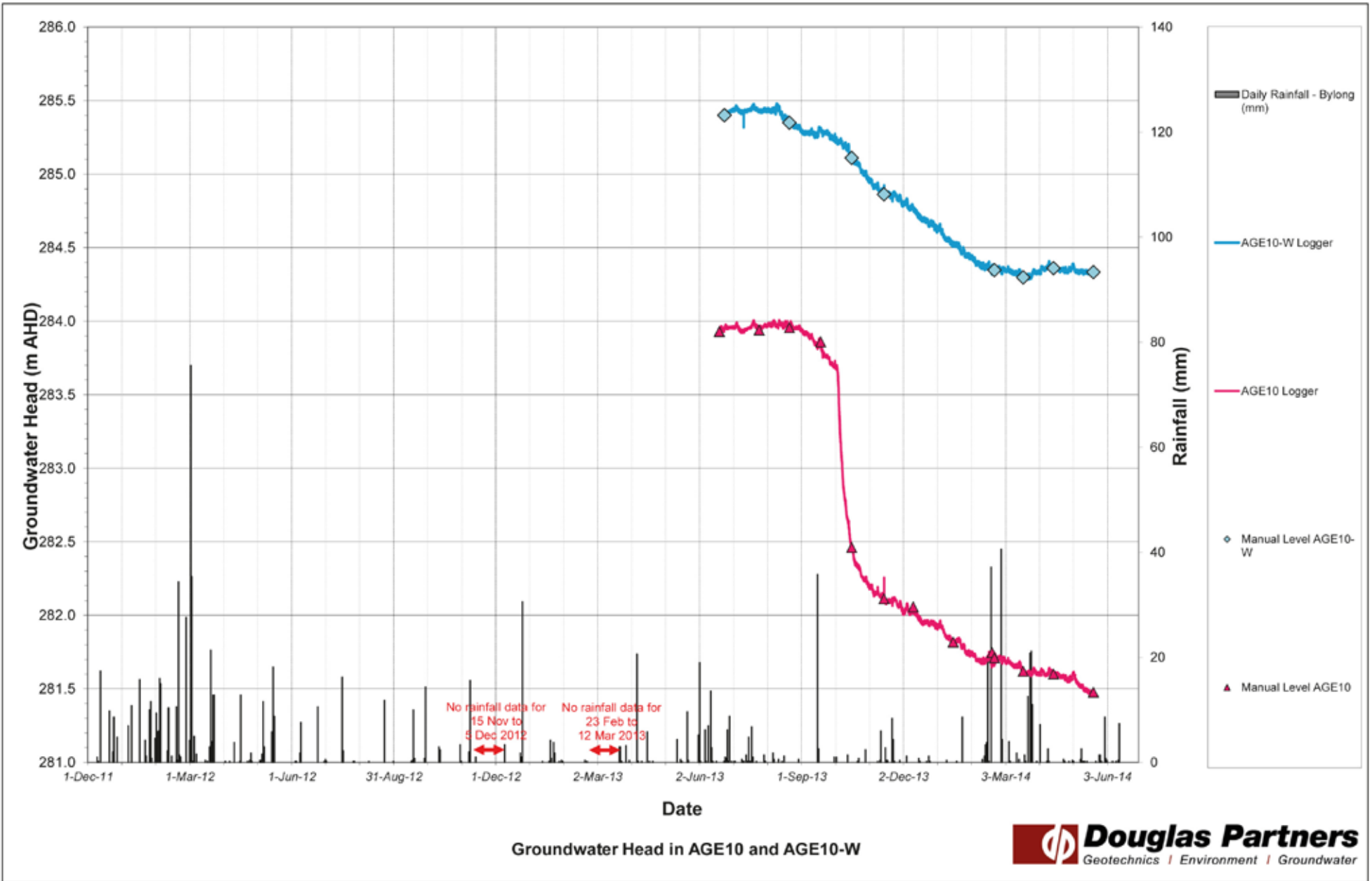


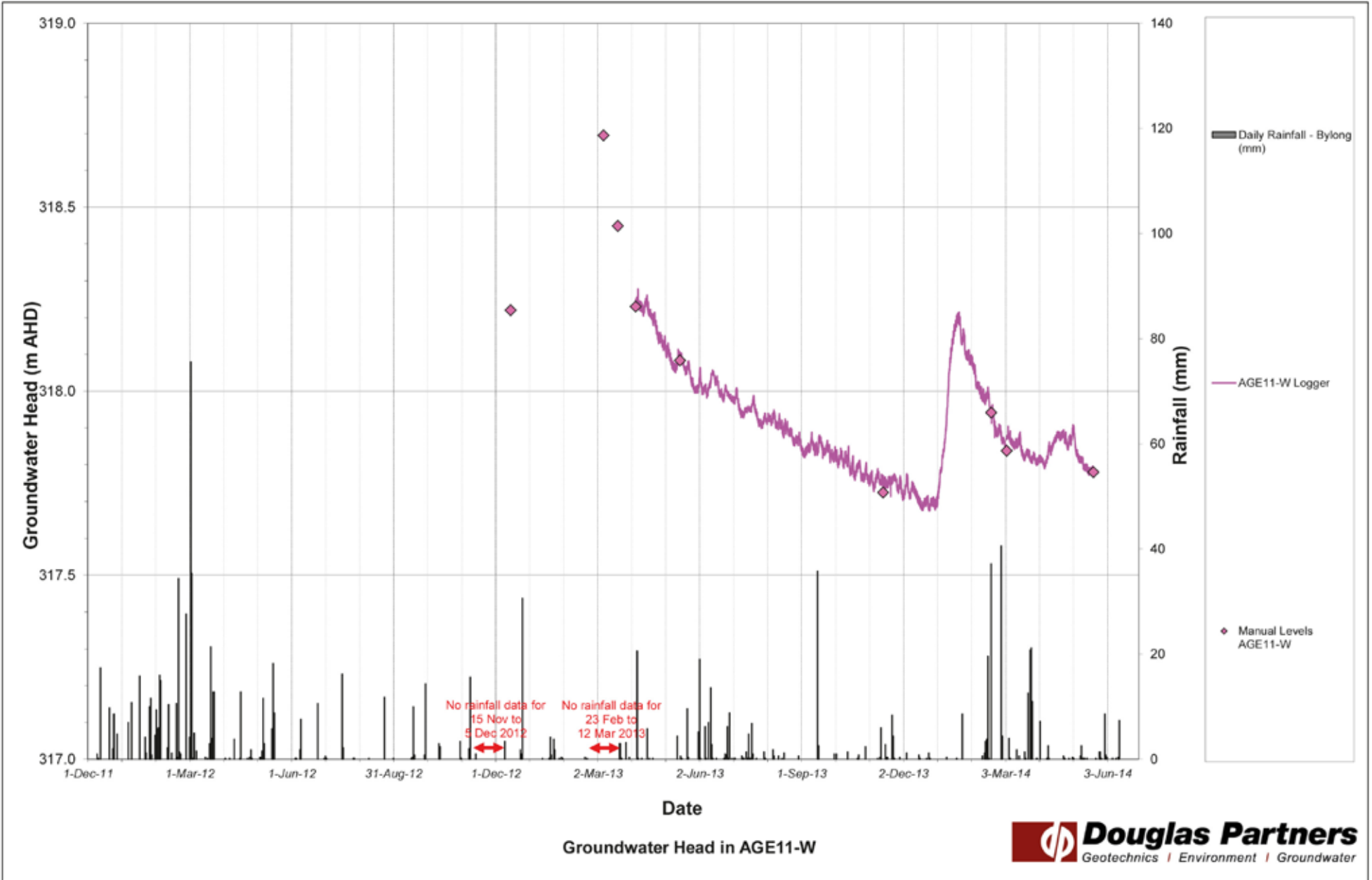


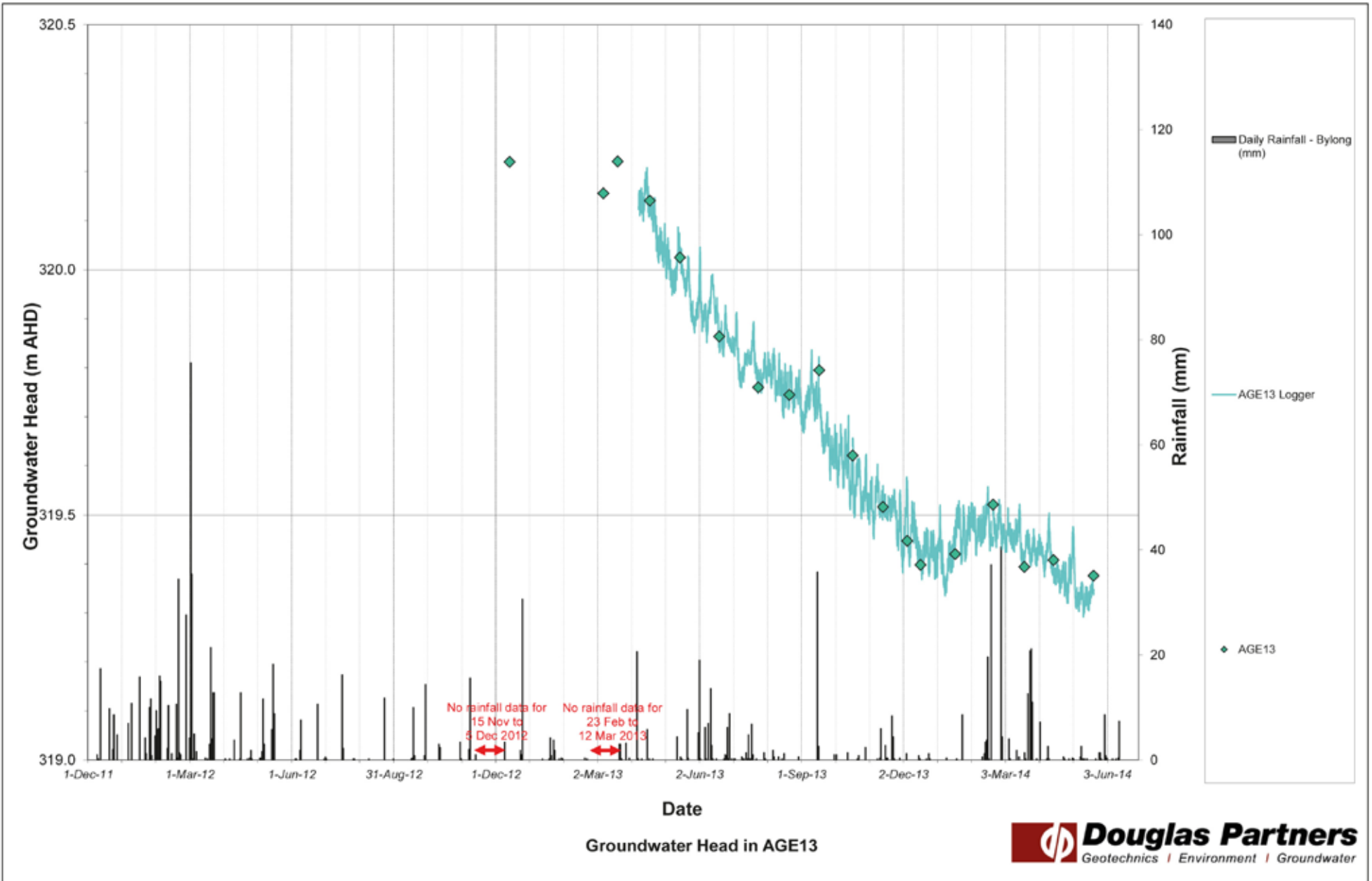
Groundwater Head in AGE08 and AGE08W

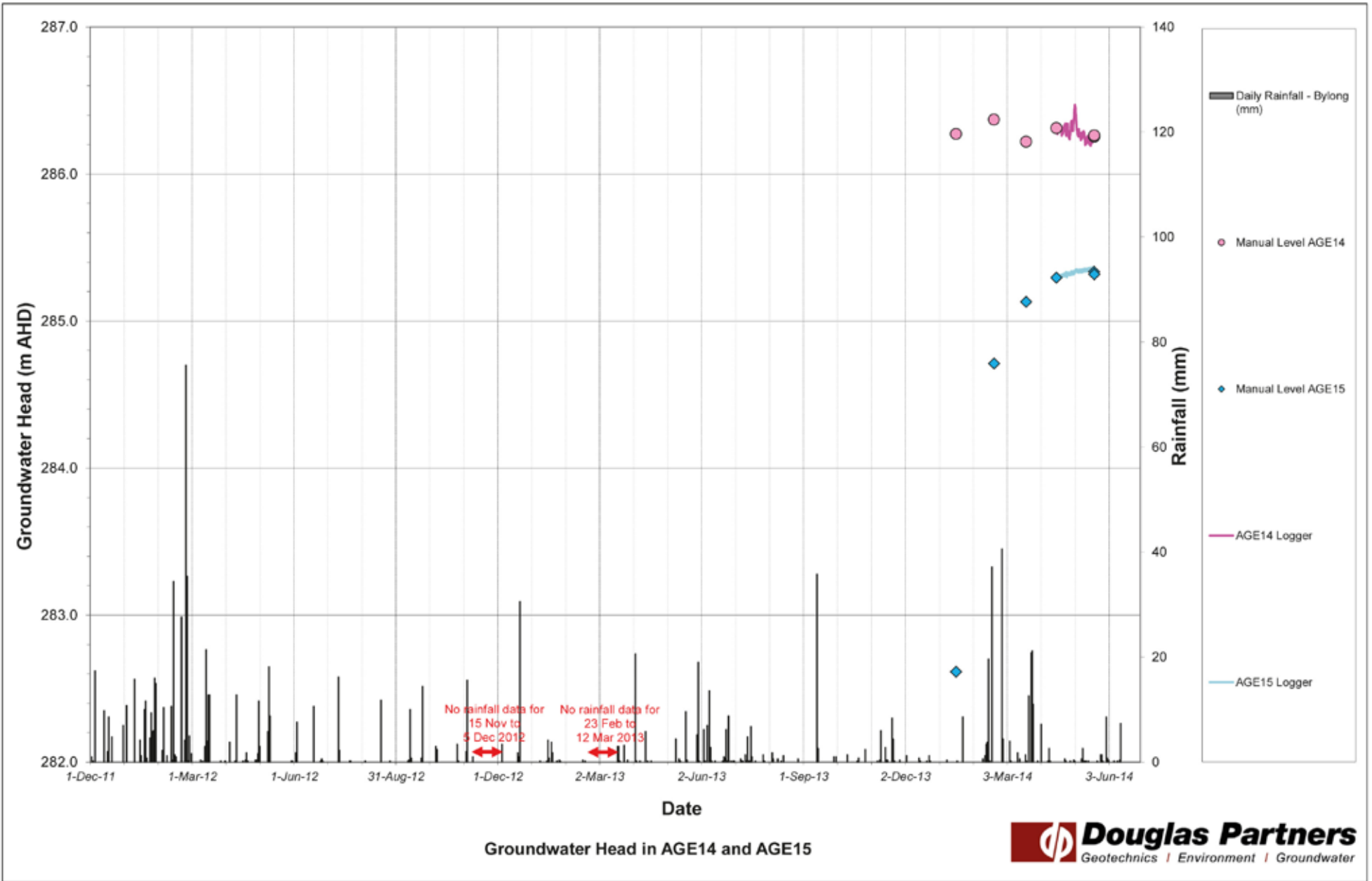


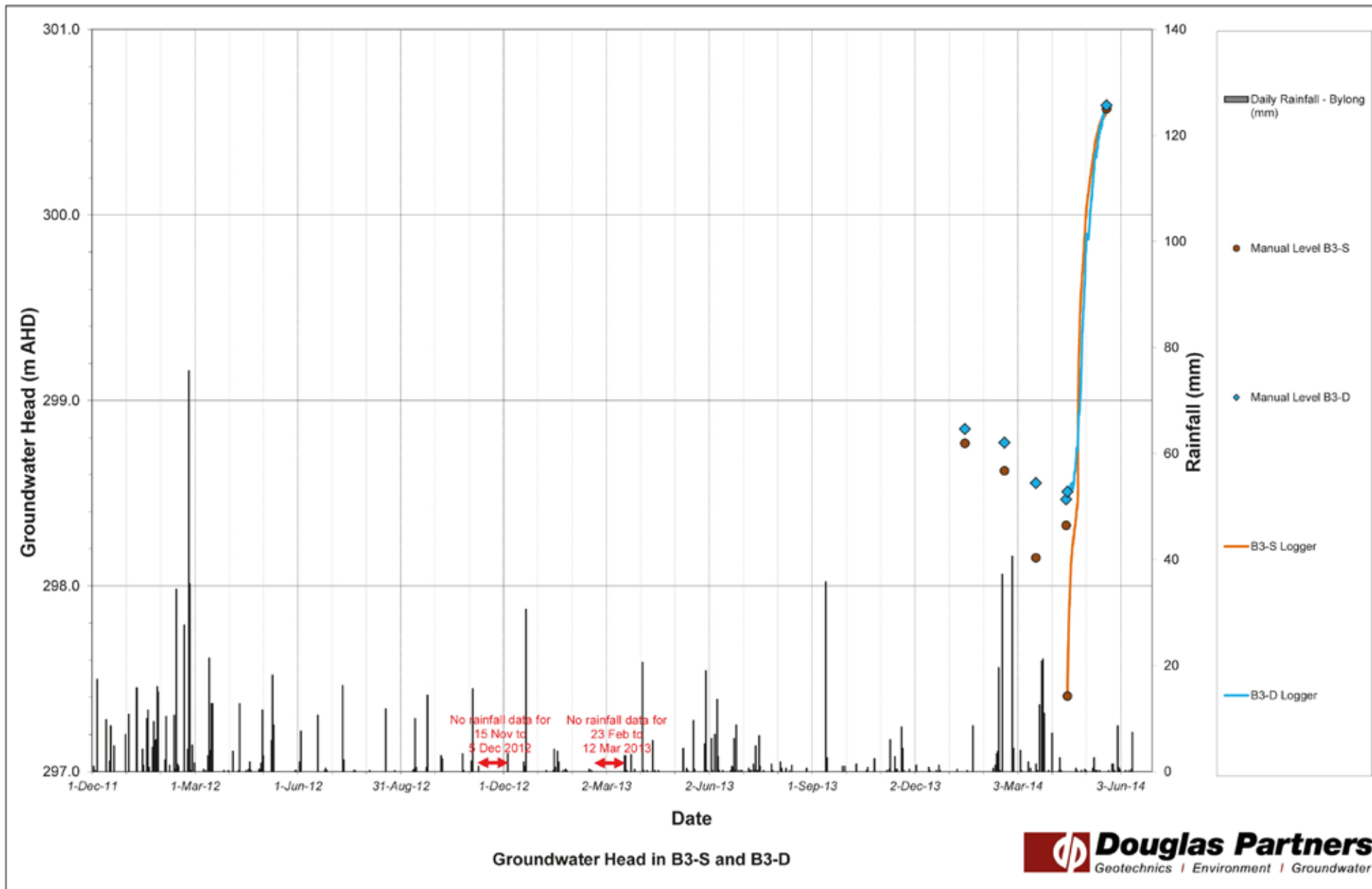


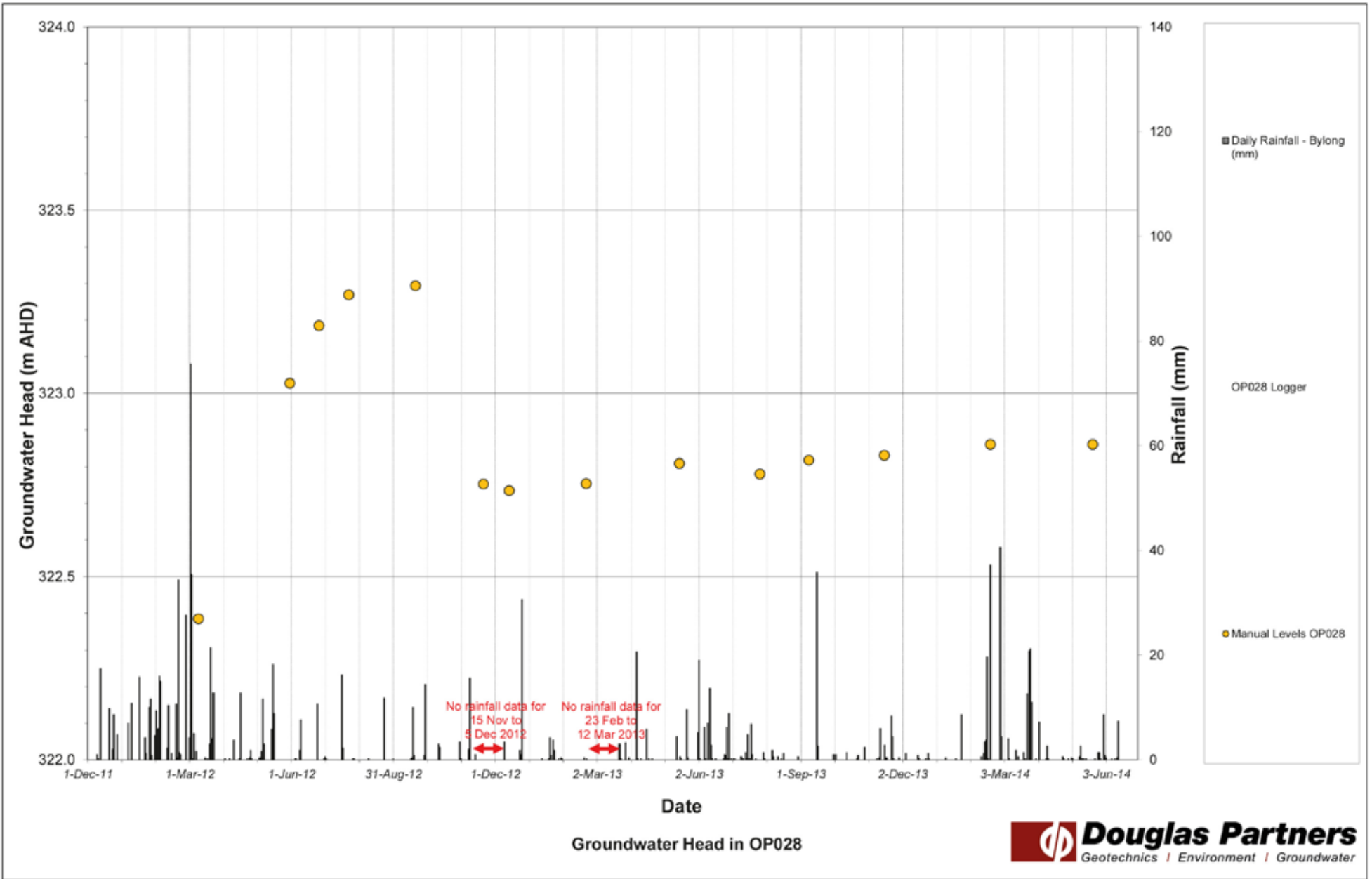


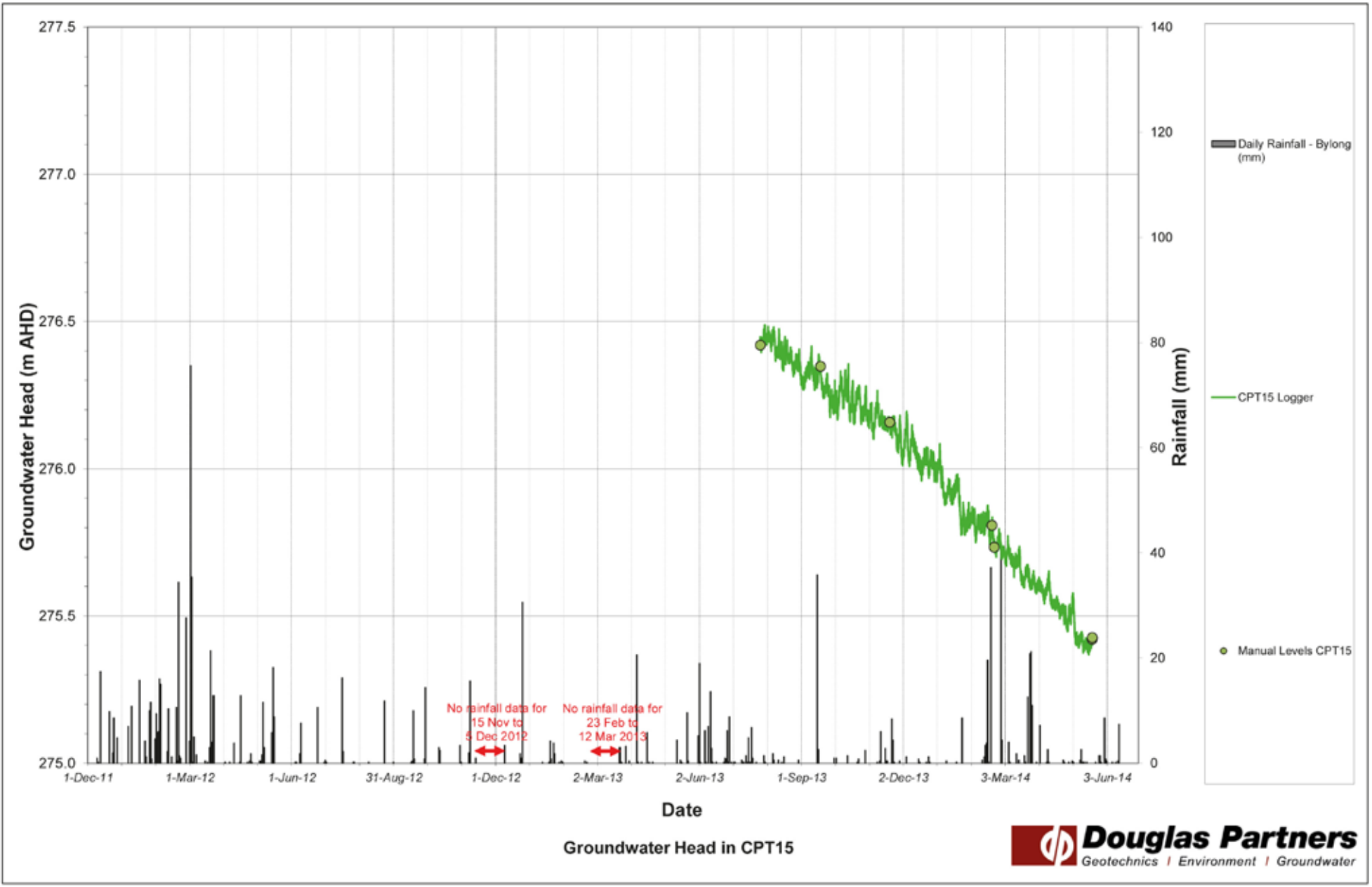


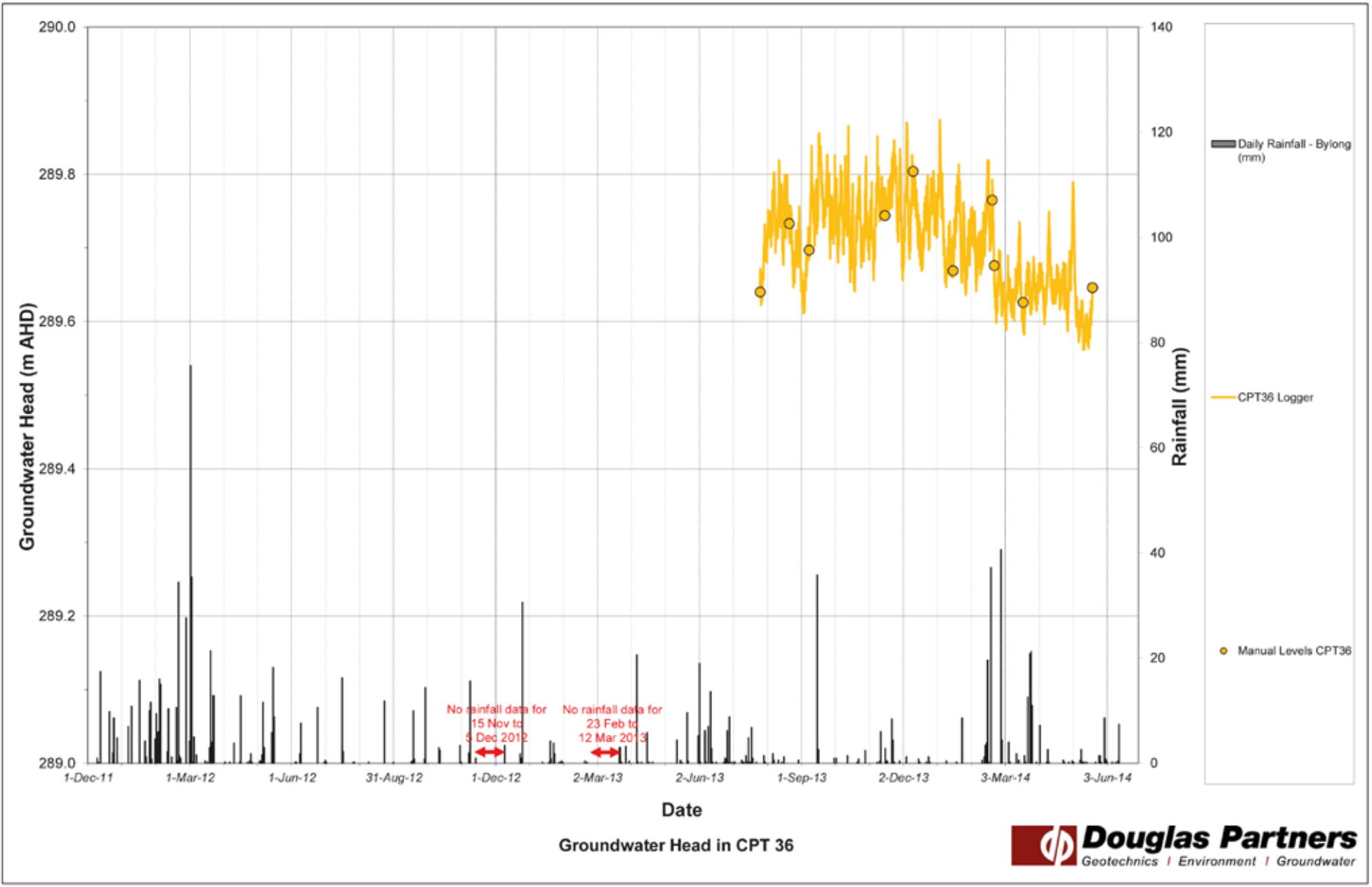


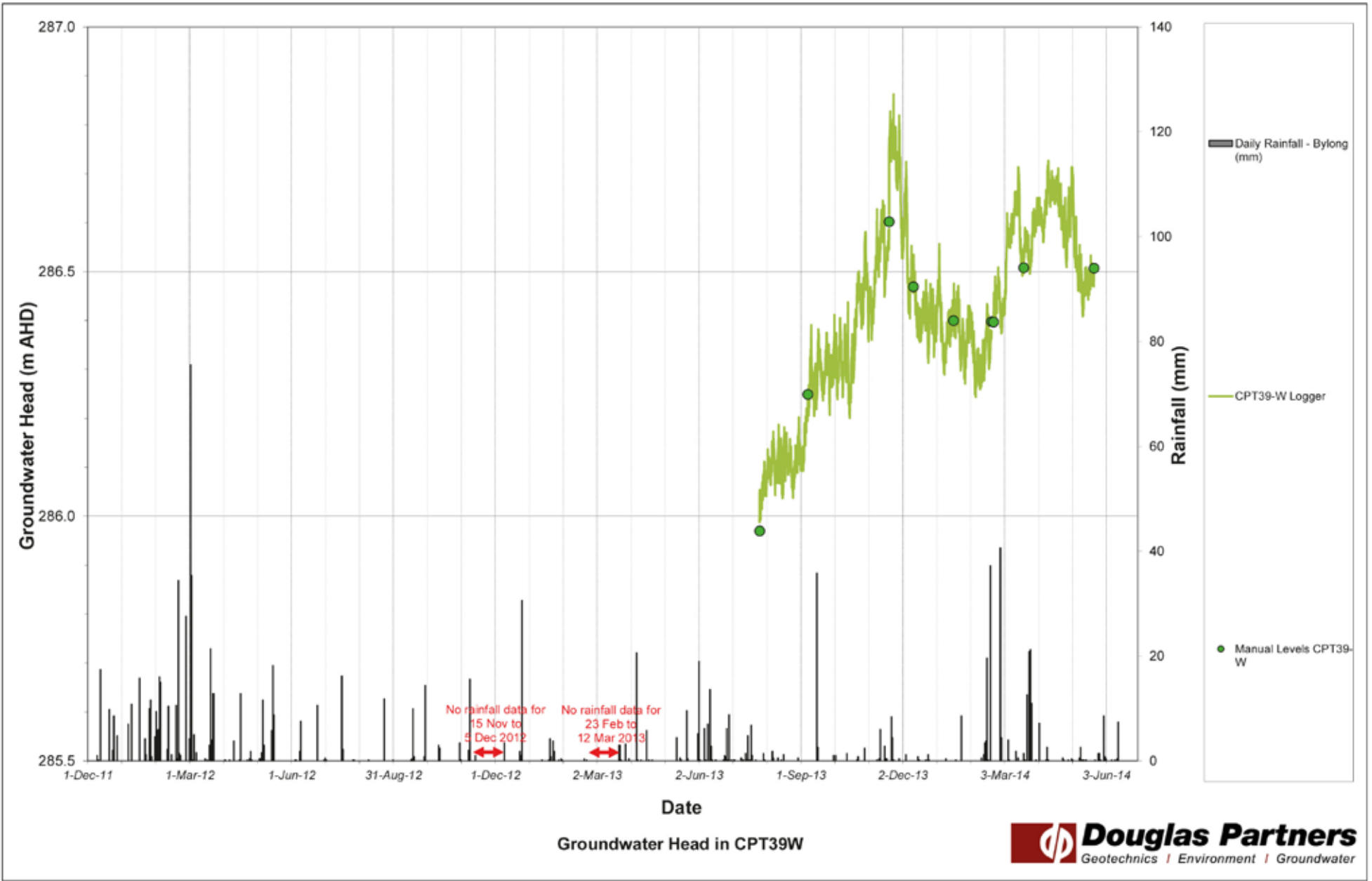


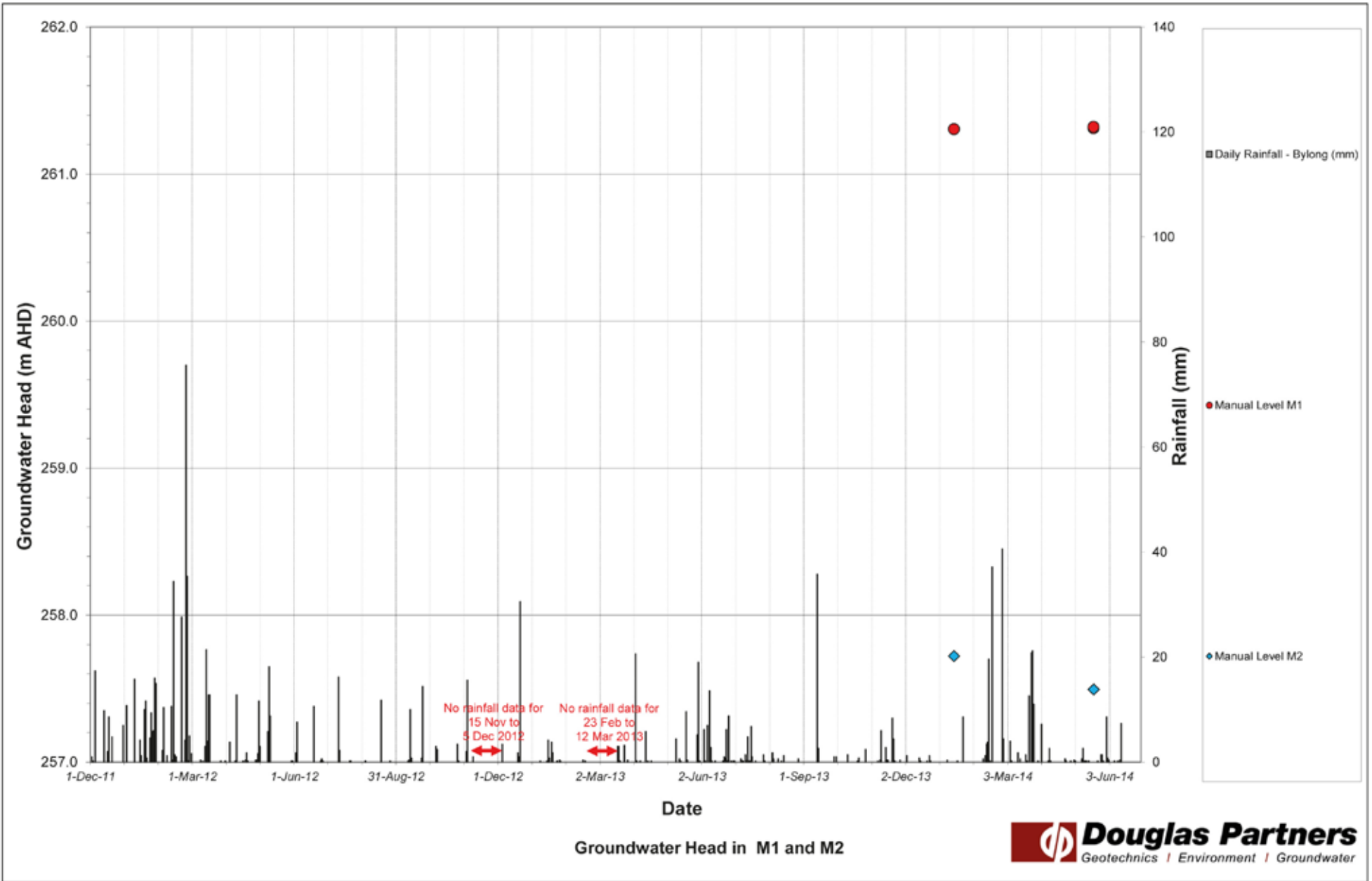






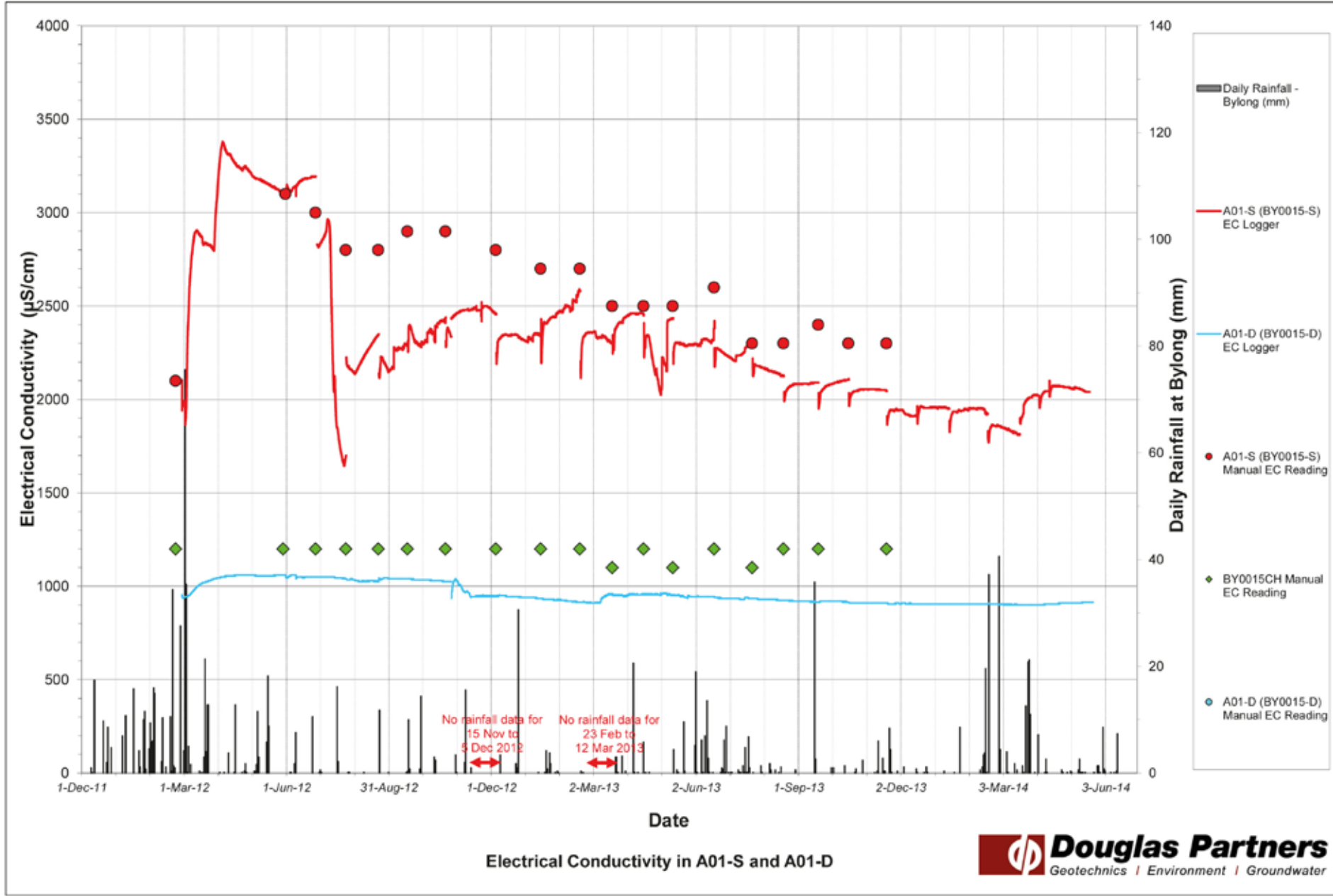


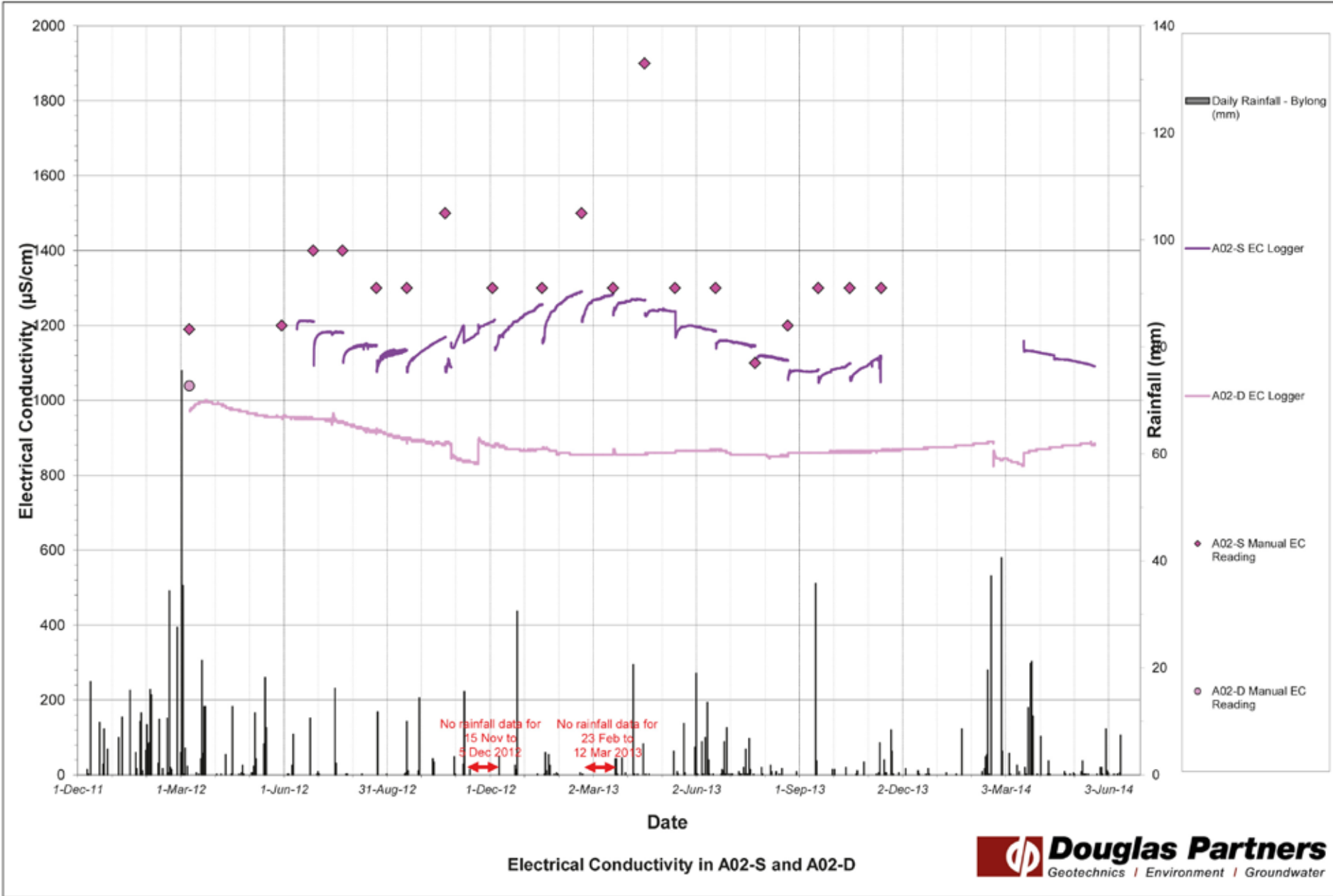




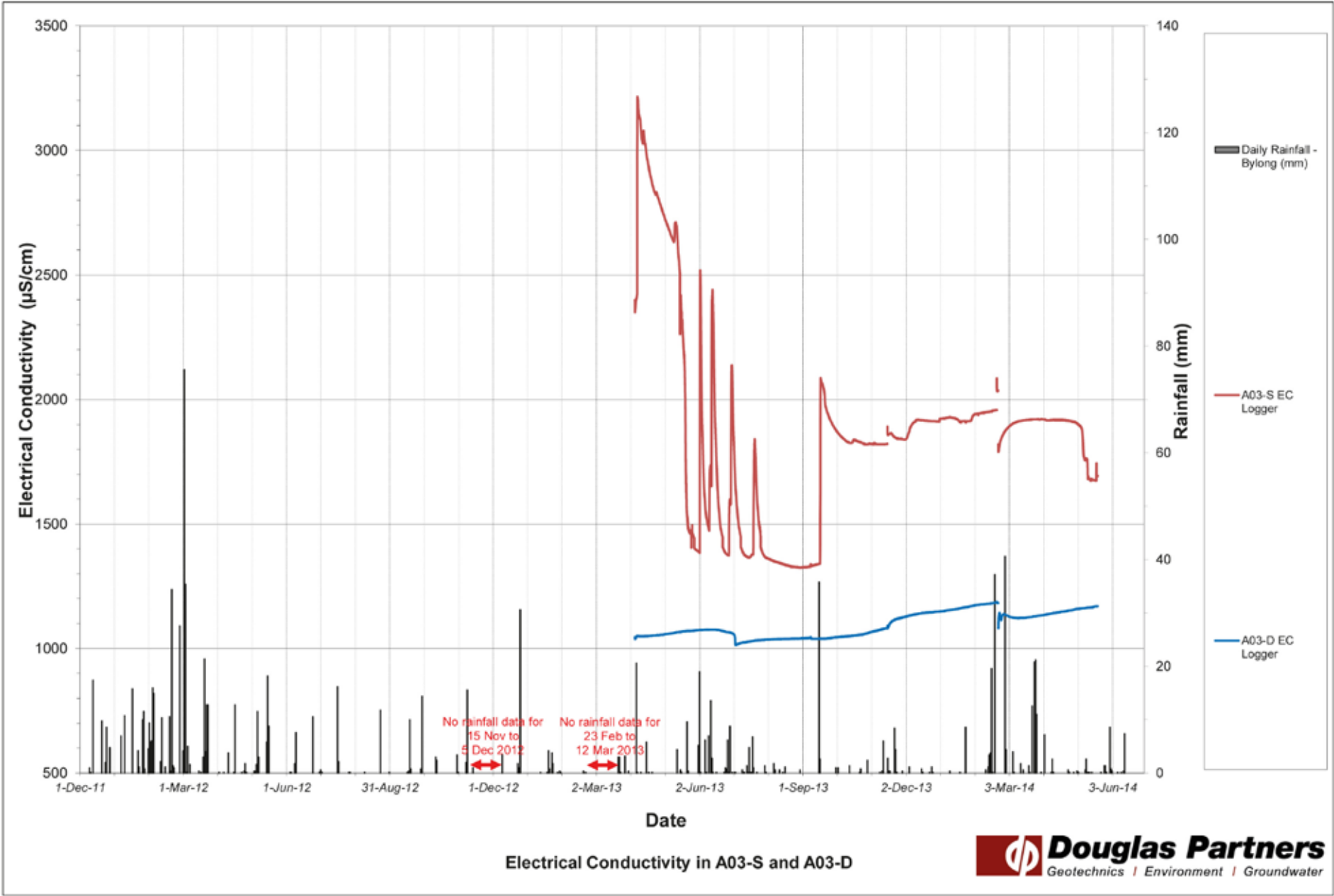
Groundwater Head in M1 and M2

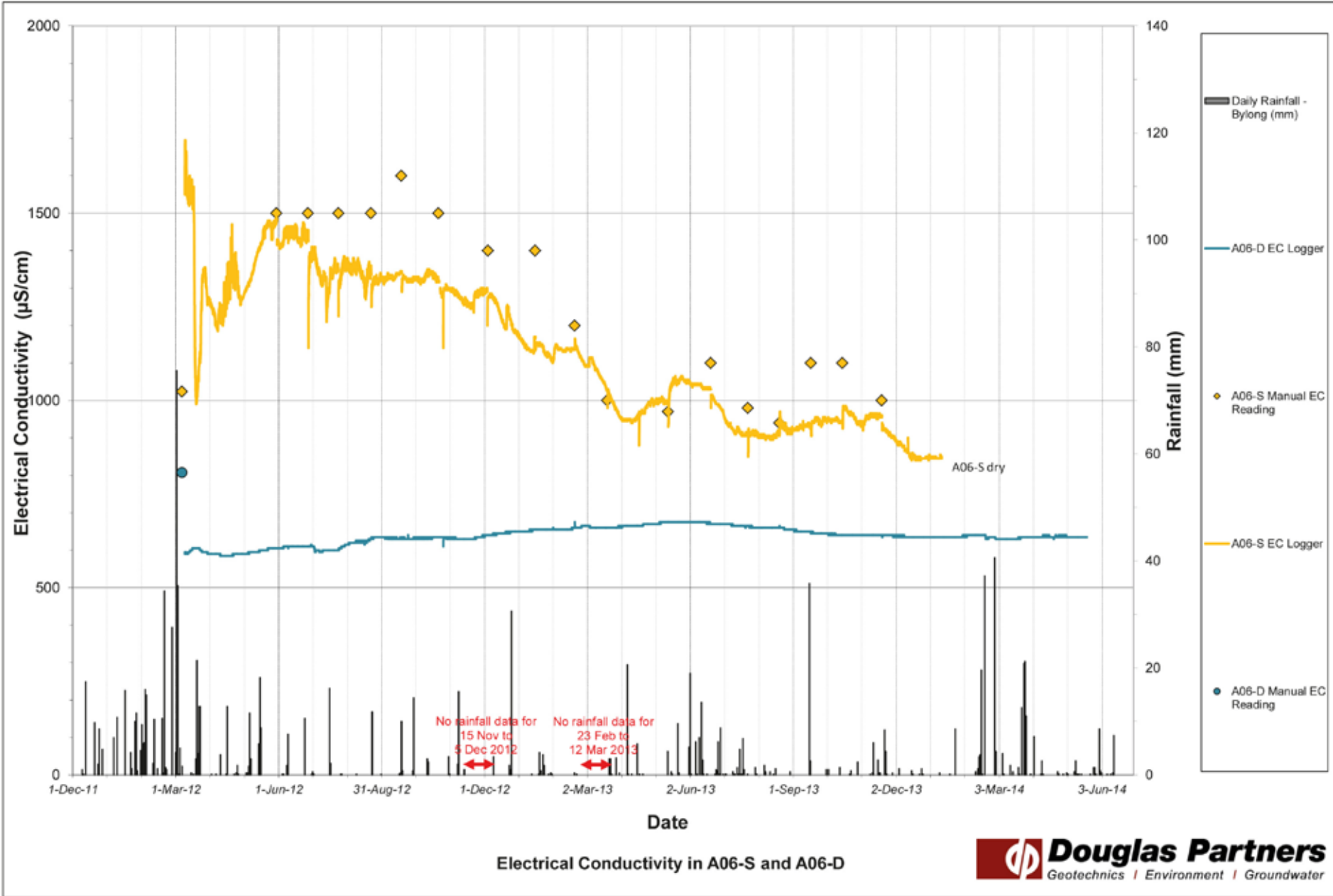


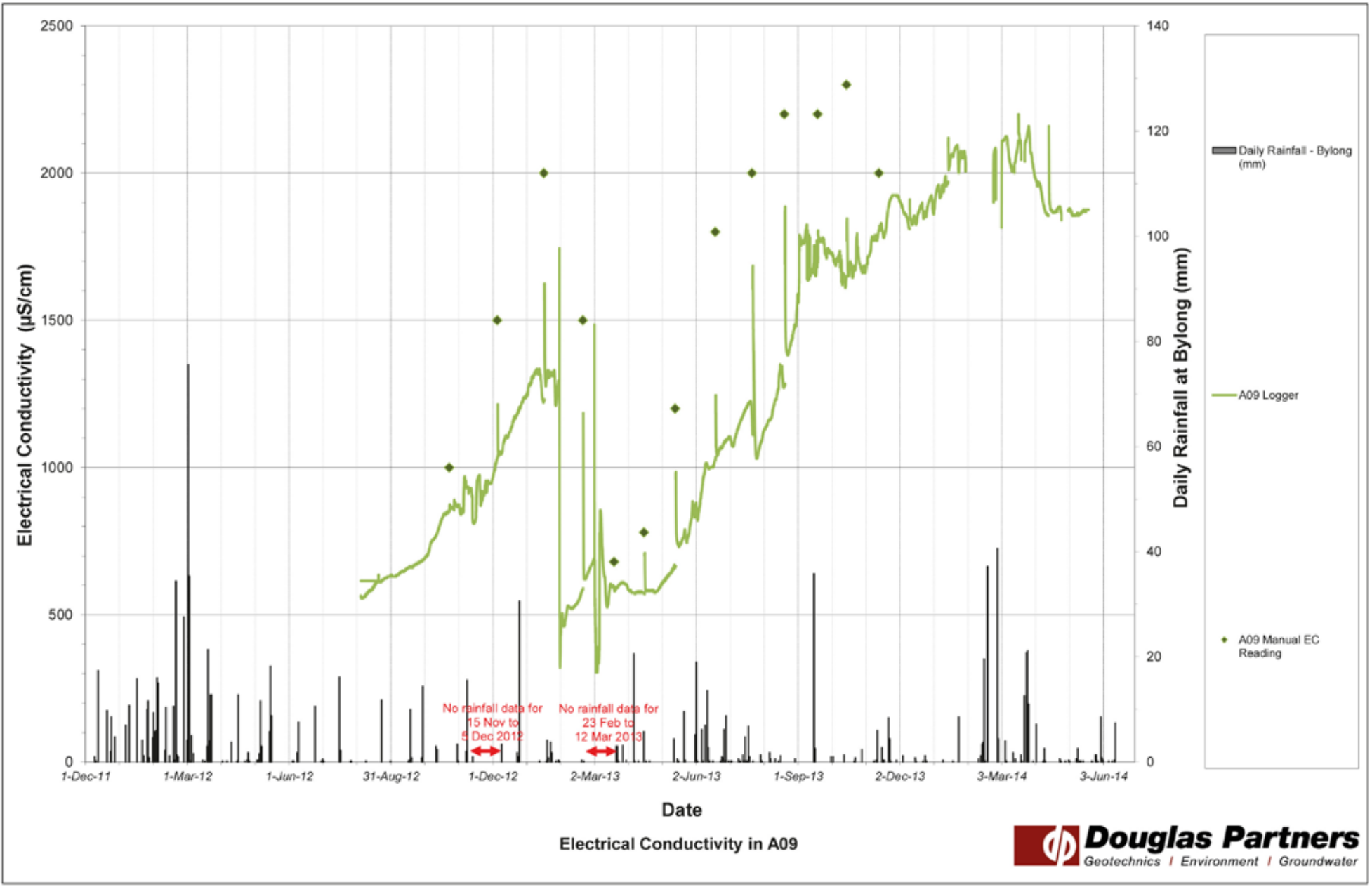




Electrical Conductivity in A02-S and A02-D

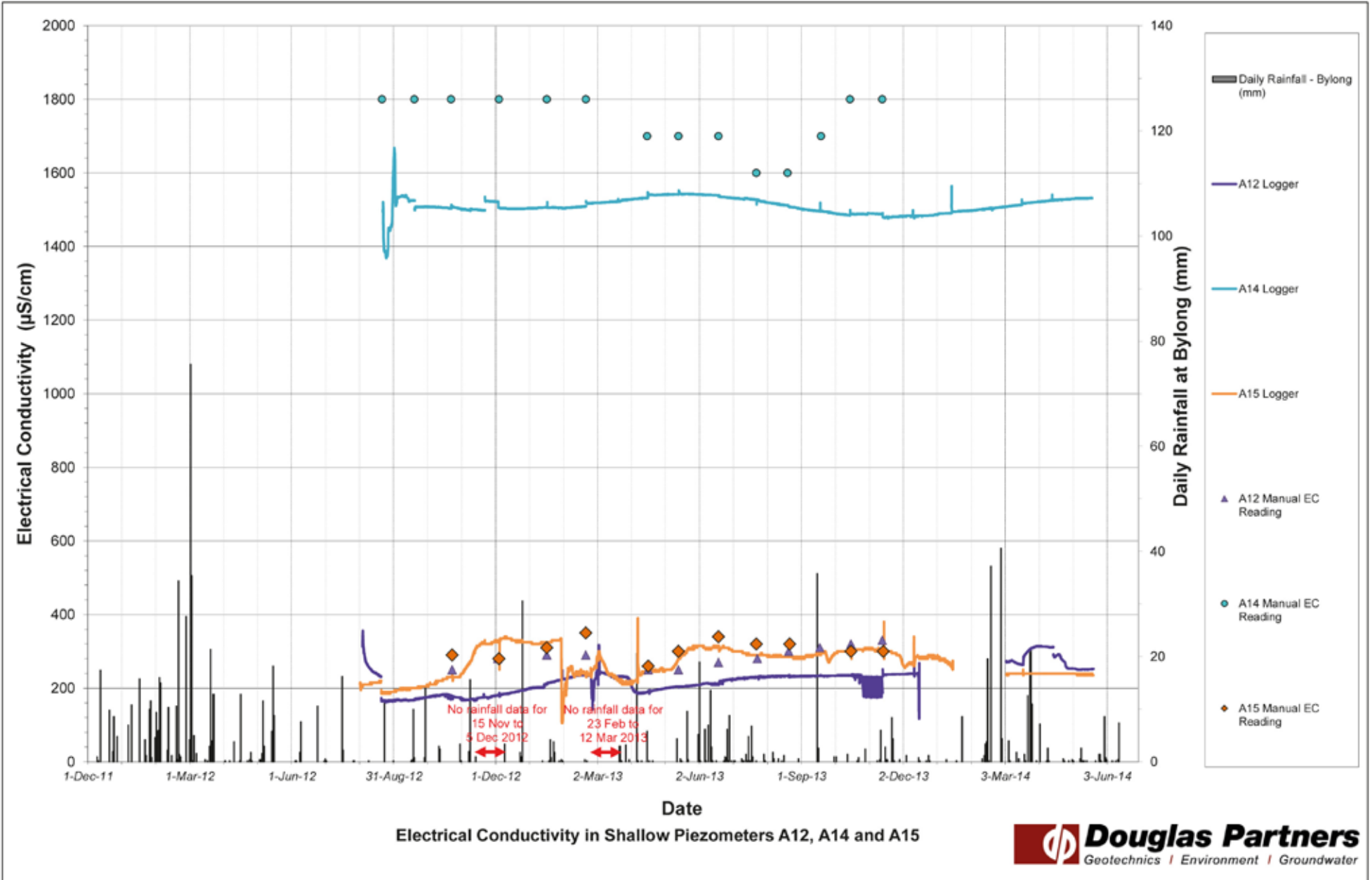


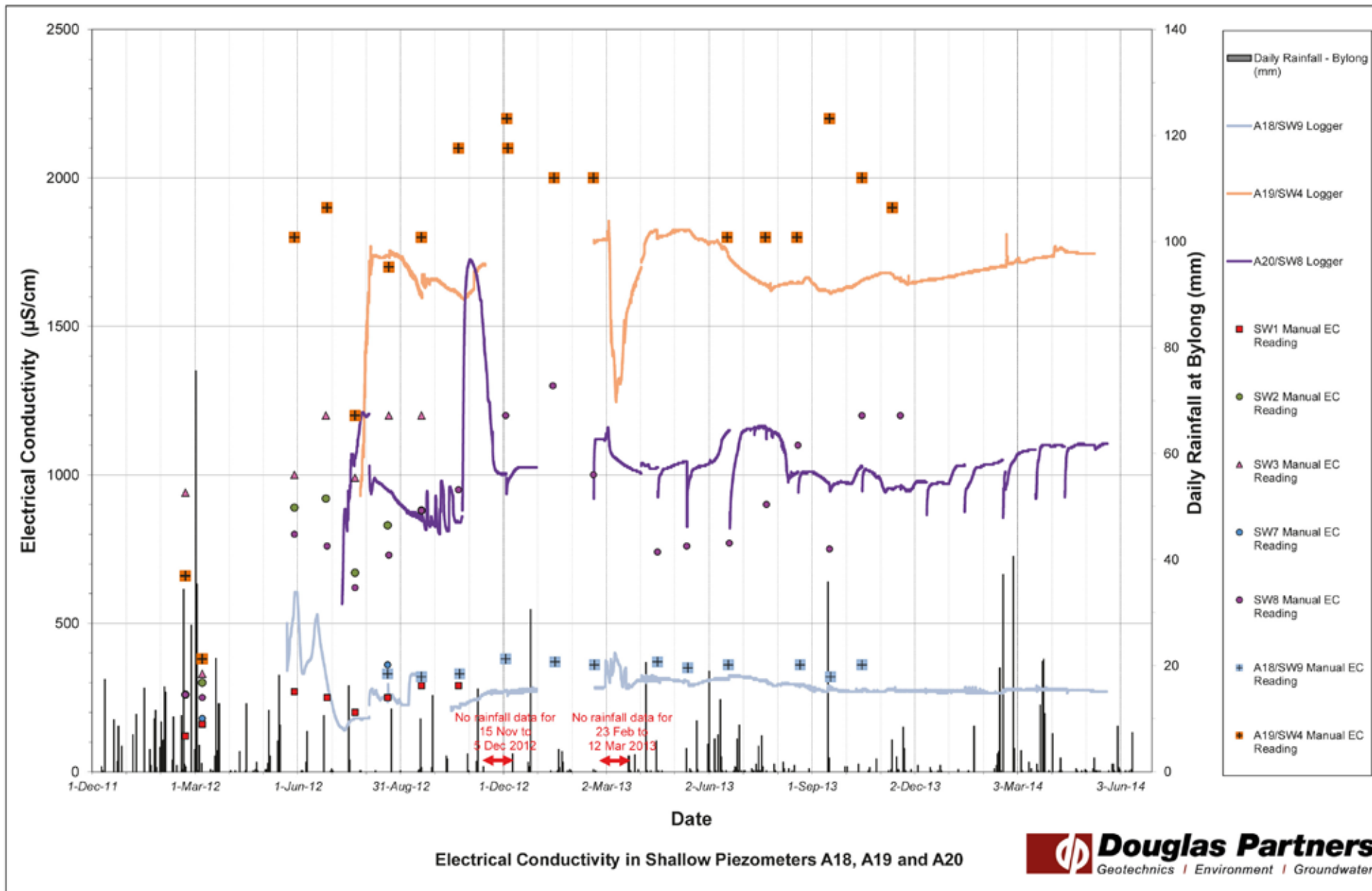




Electrical Conductivity in A09

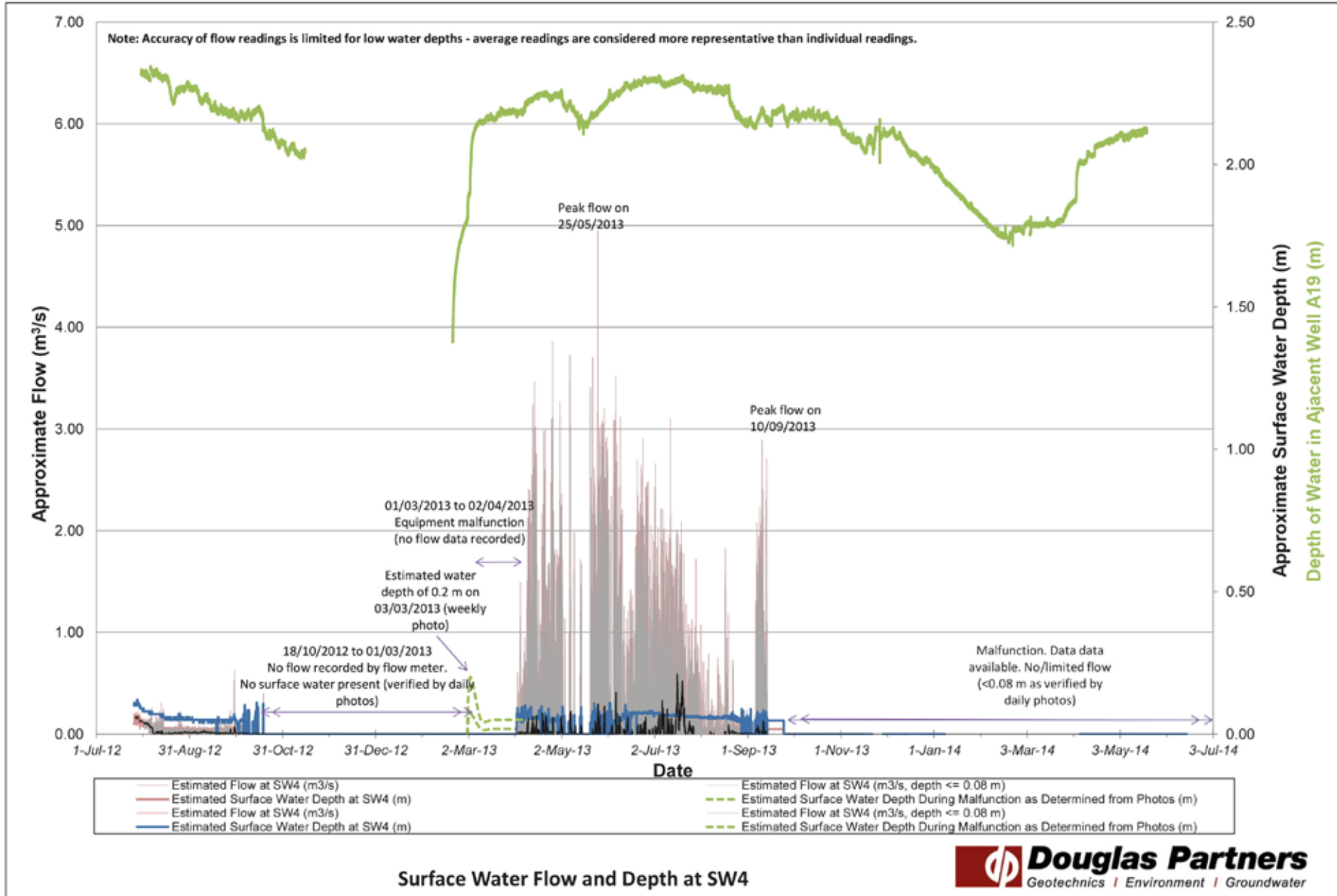


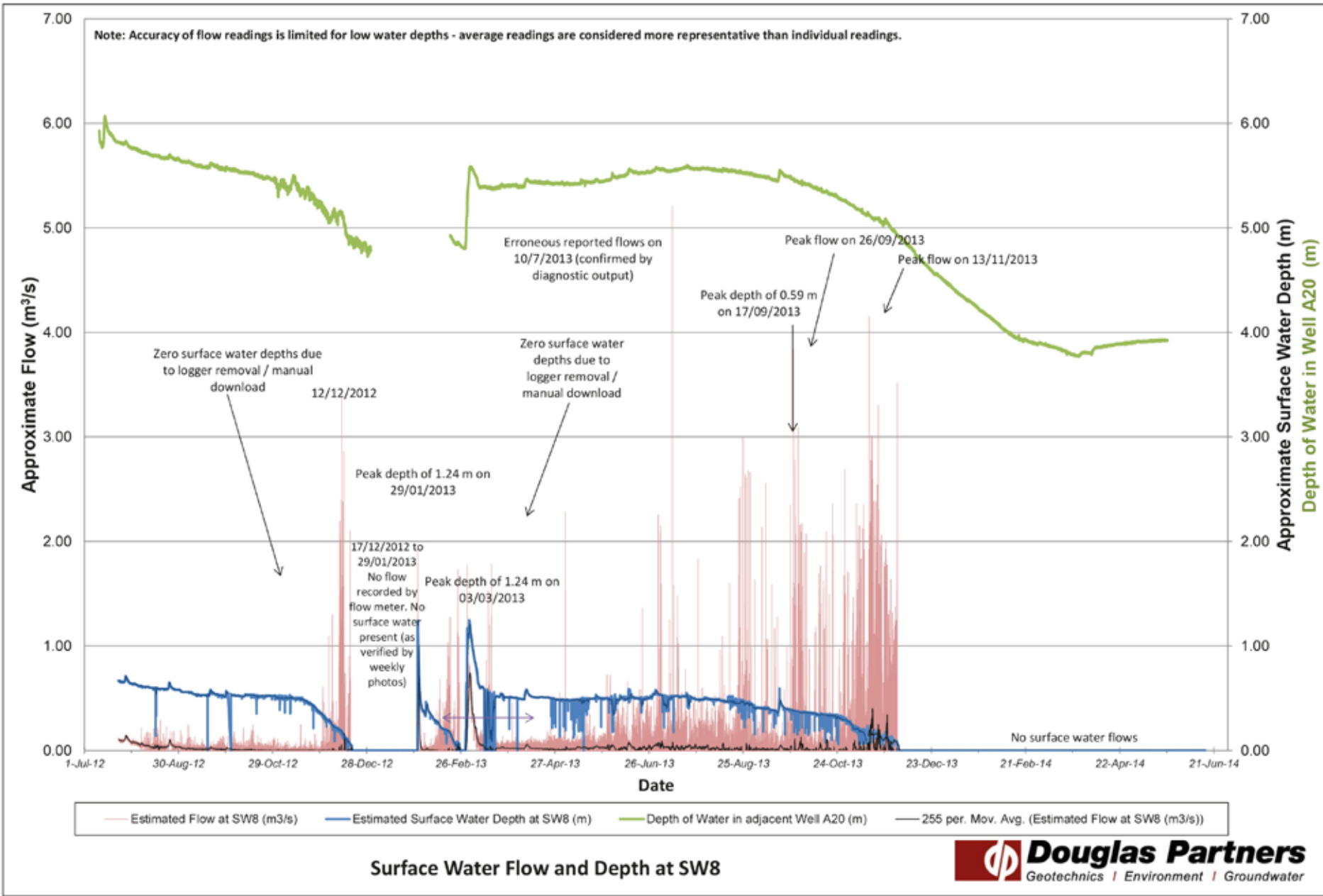


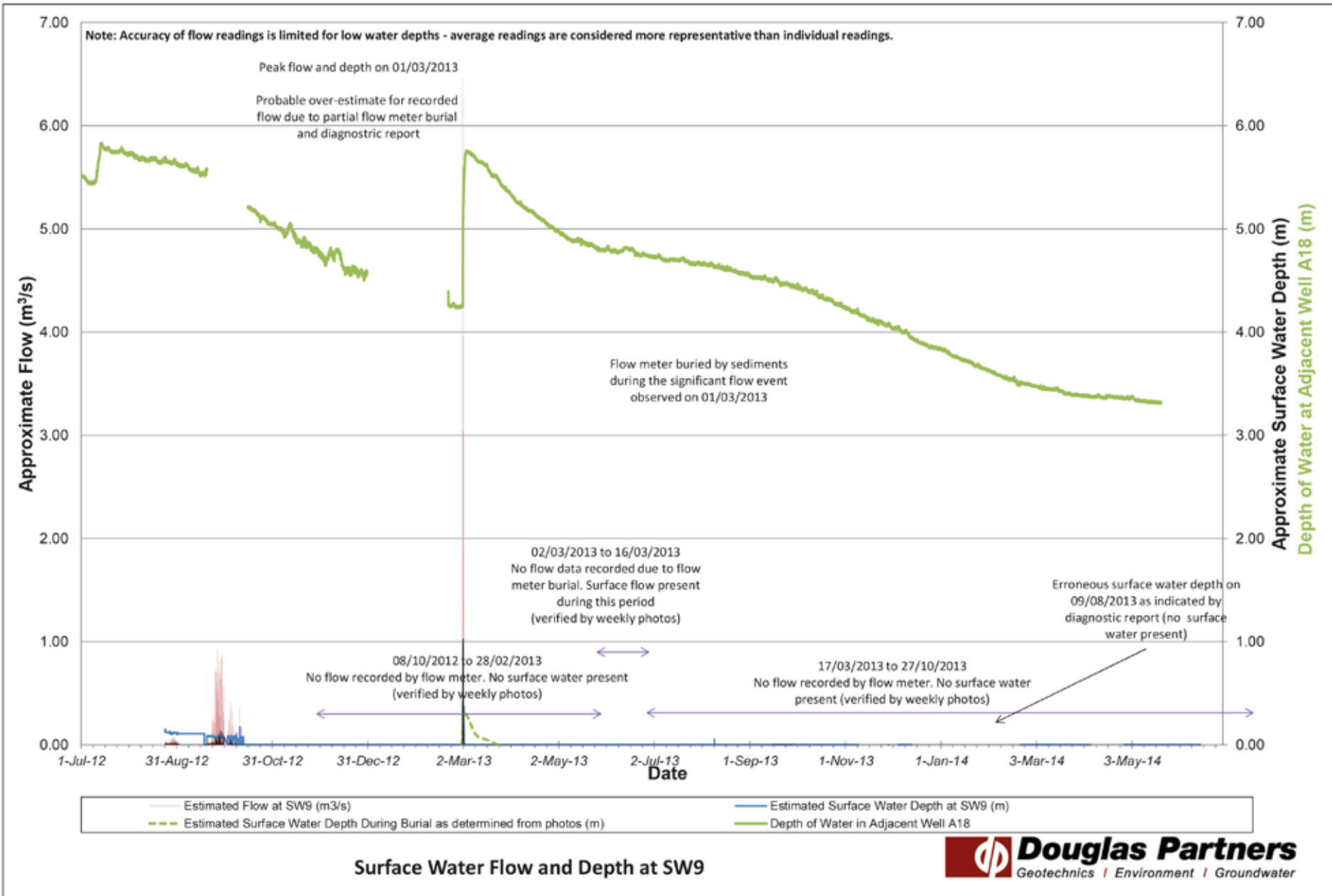


Electrical Conductivity in Shallow Piezometers A18, A19 and A20







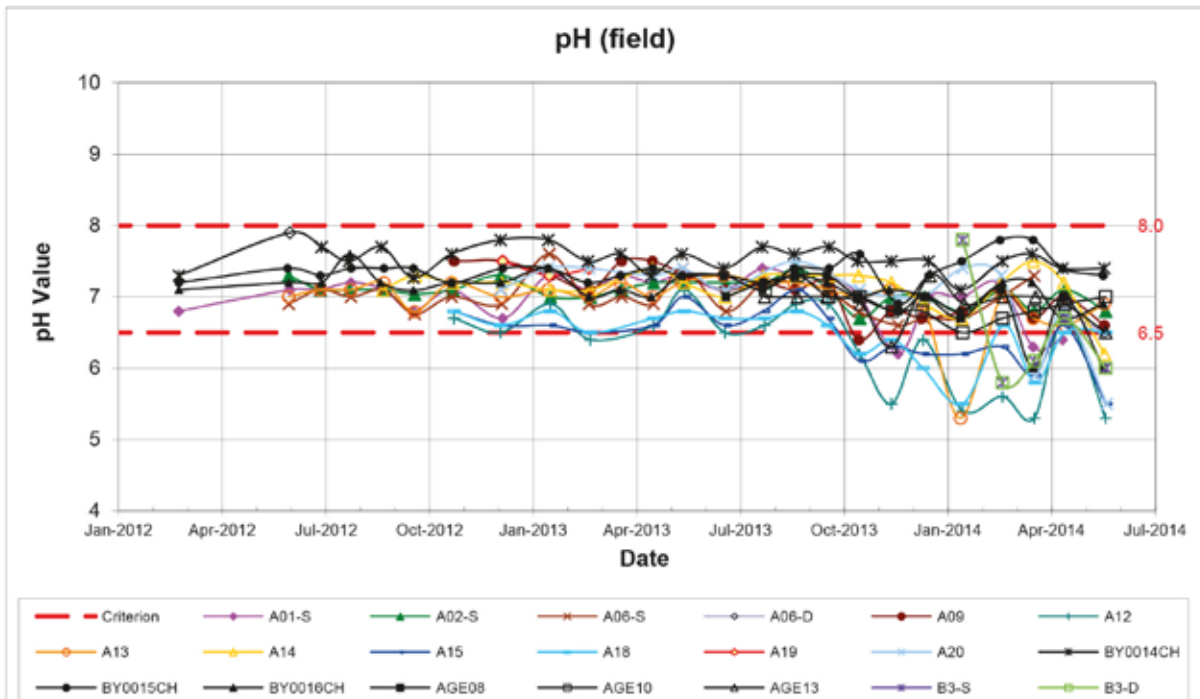
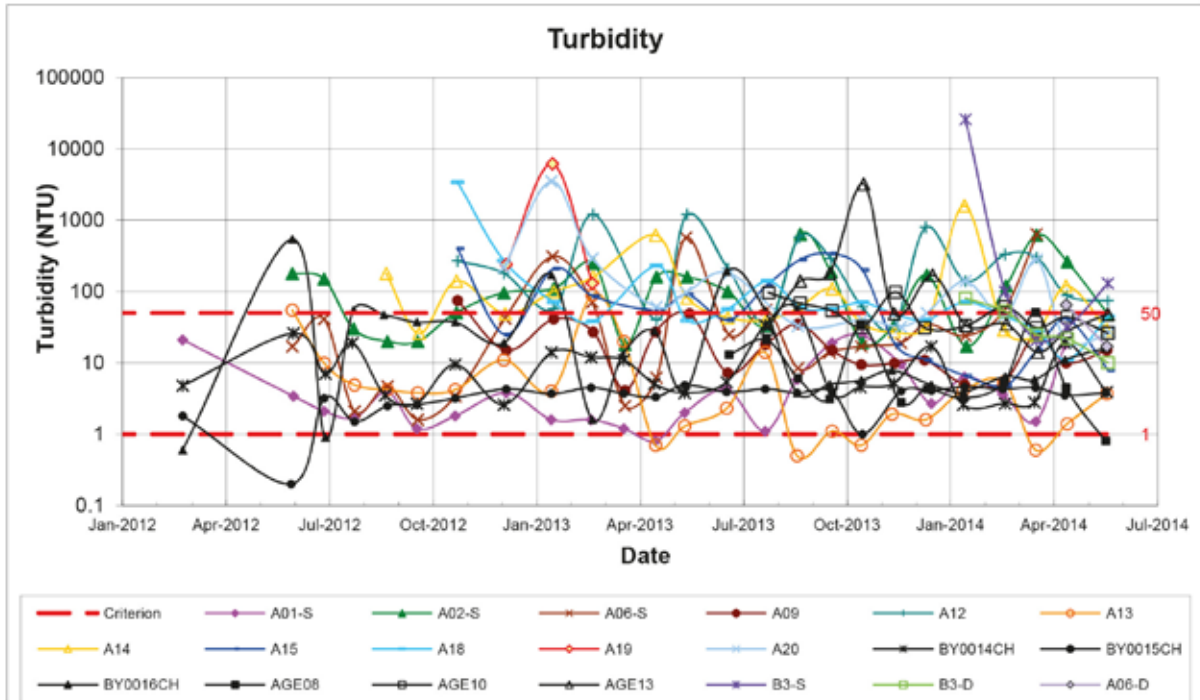




Proposed Coal Mine, Bylong, Mid-Western NSW
GROUNDWATER QUALITY MONITORING

Period: February 2012 to May 2014

Project: 49761.03



Notes:

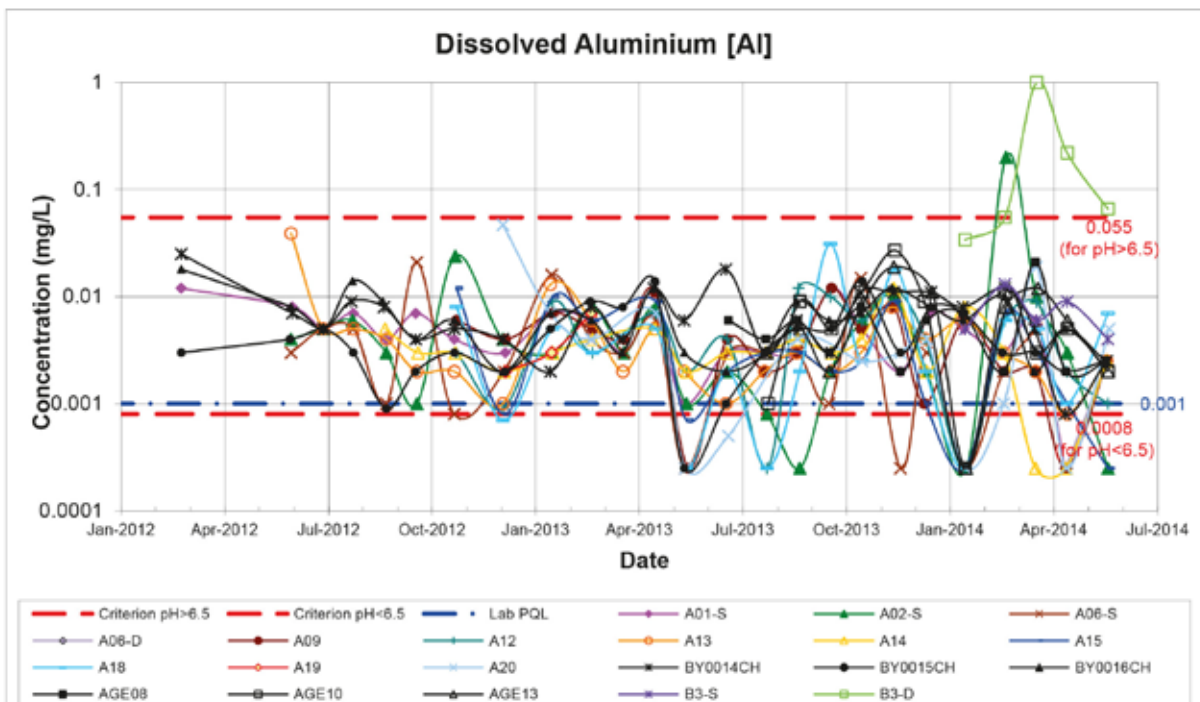
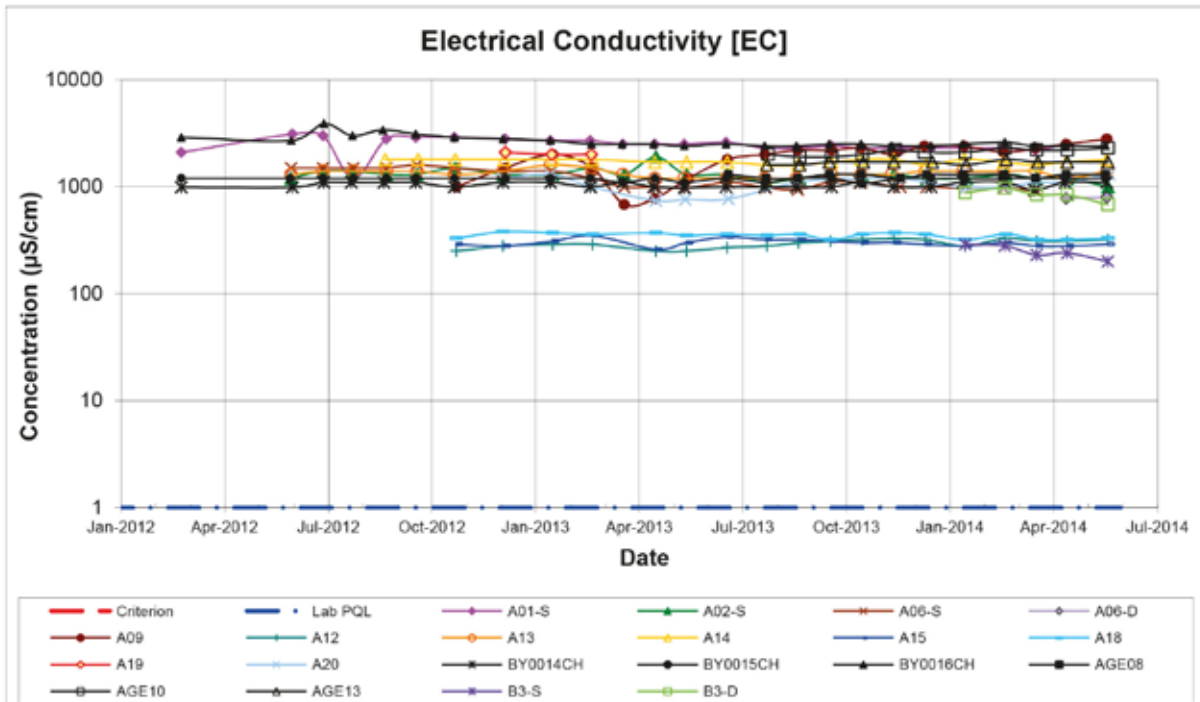
1. Values reported below PQL are plotted as half of PQL.
2. ANZECC (2000) Fresh Criteria adopted; Marine Water criteria adopted if no Fresh value.
3. If a Criterion line is not plotted, there are No Criteria for the parameter.



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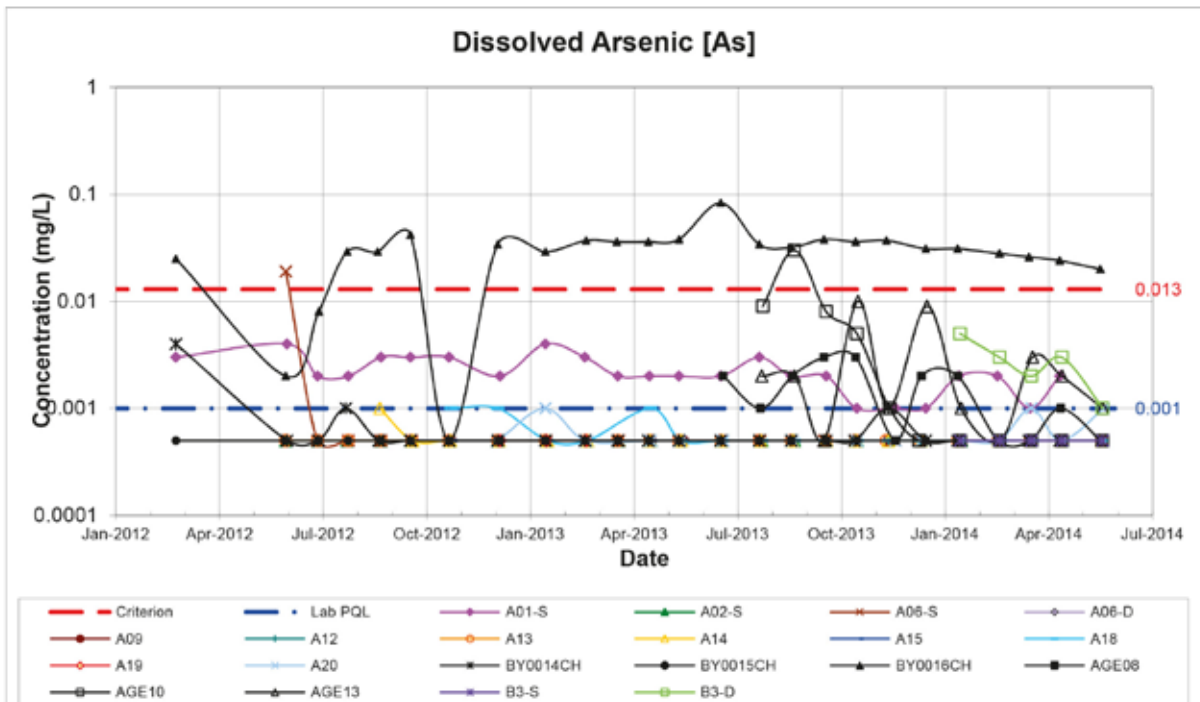
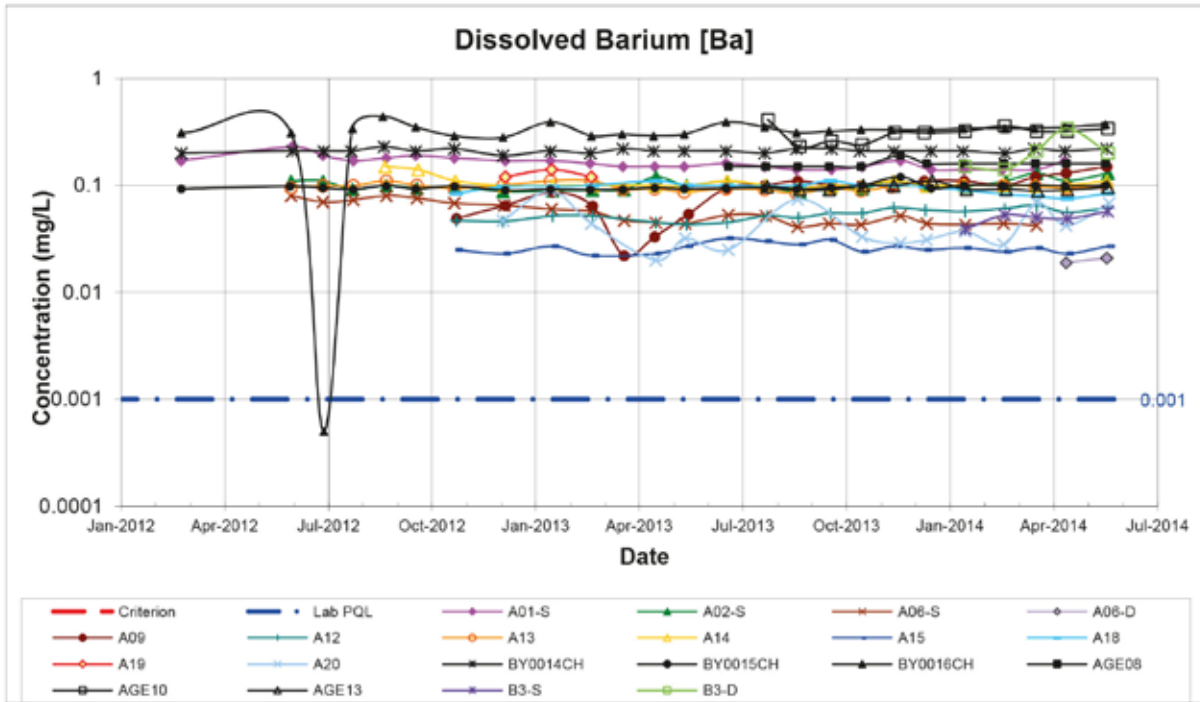
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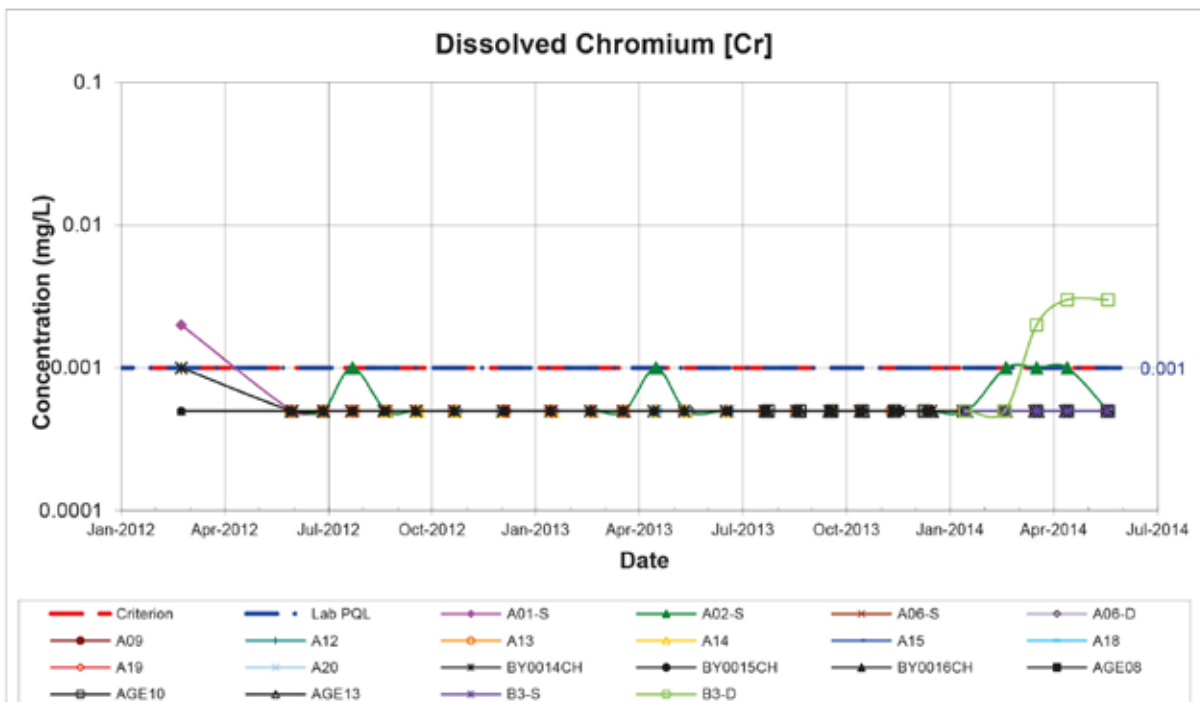
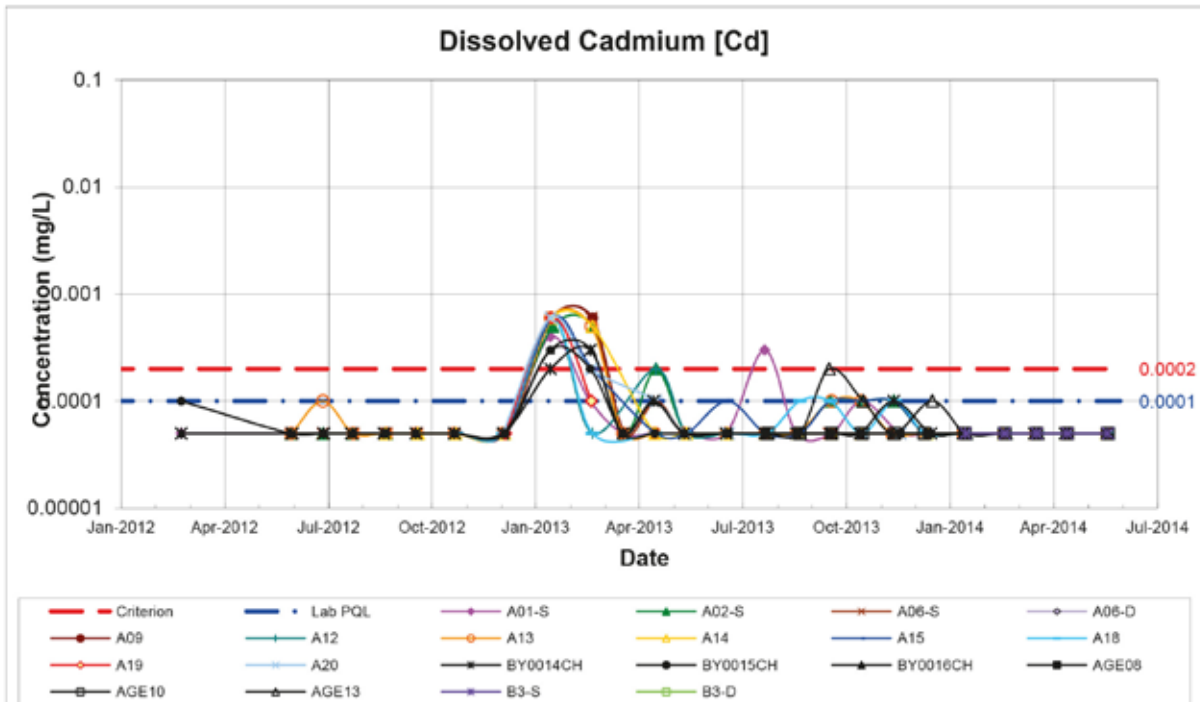
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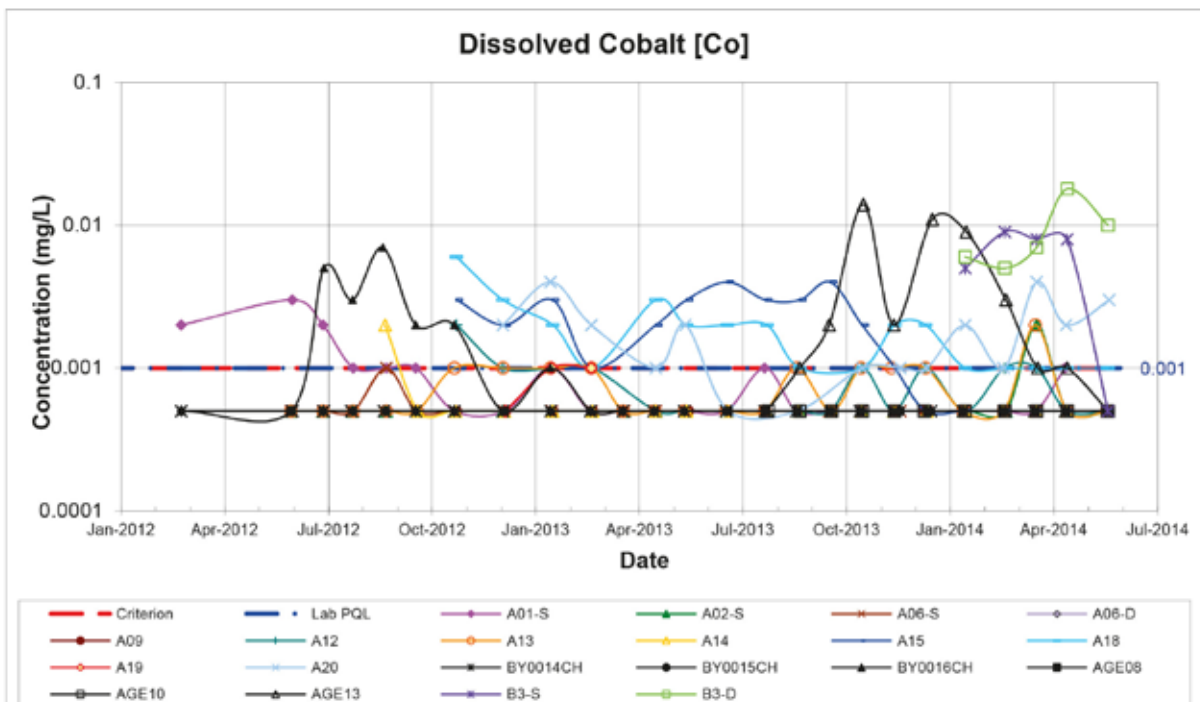
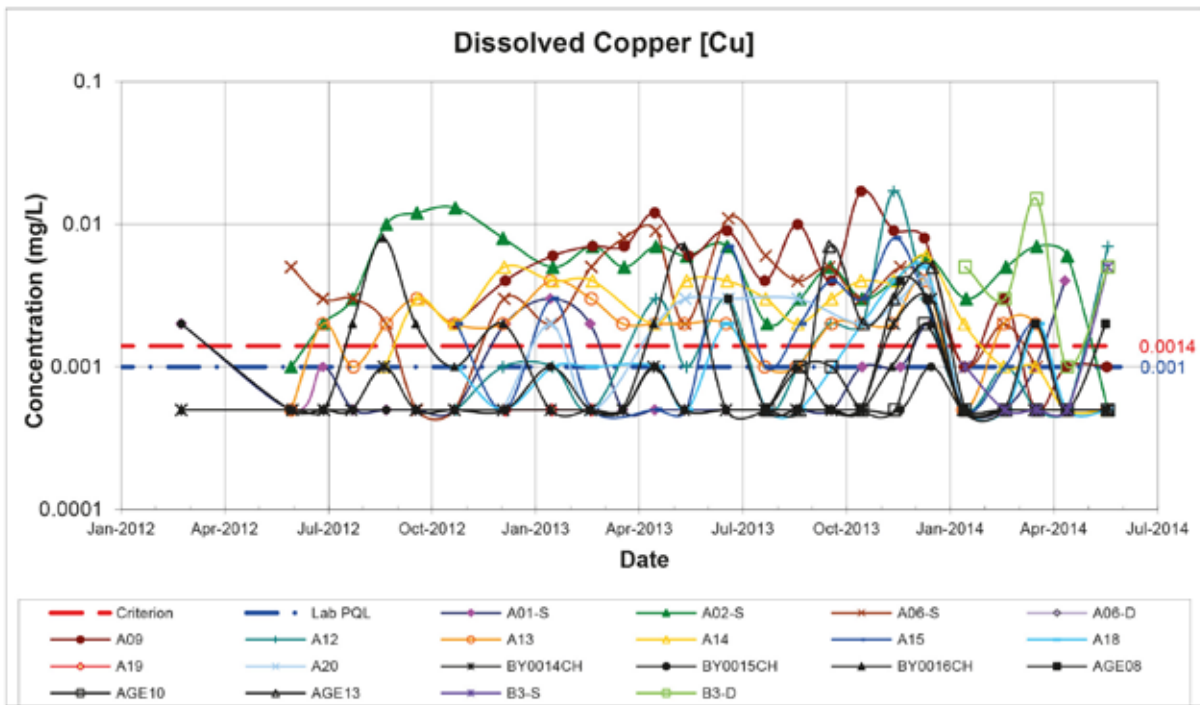
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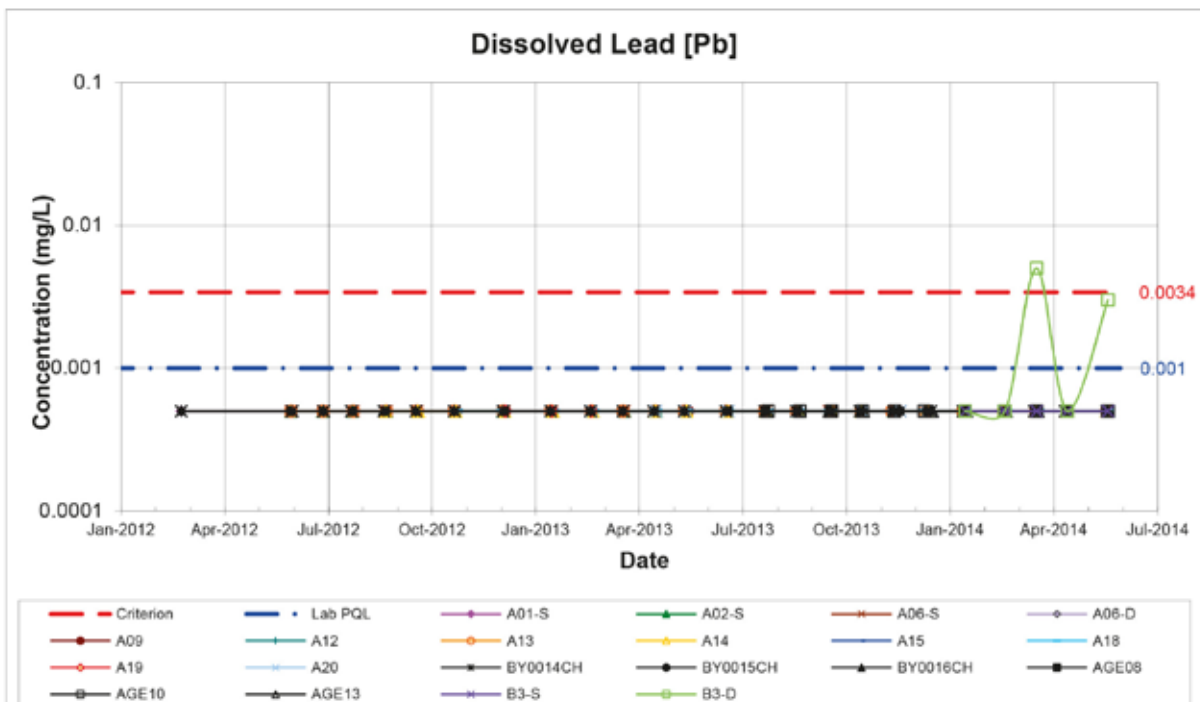
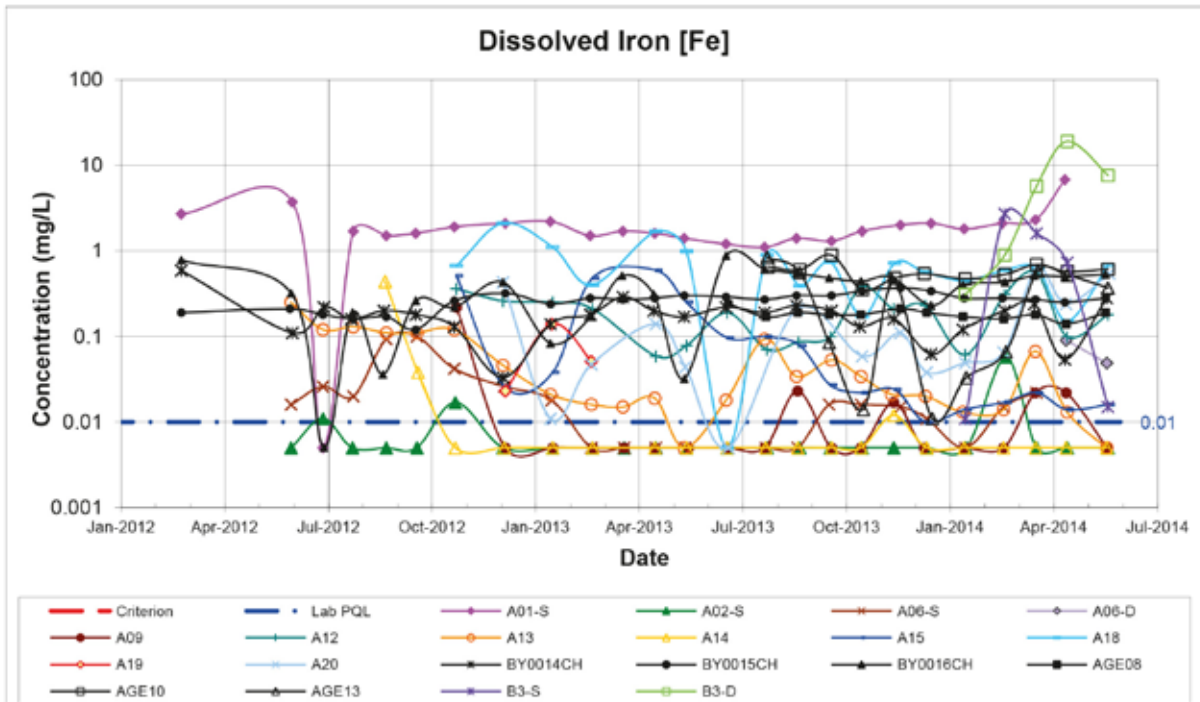
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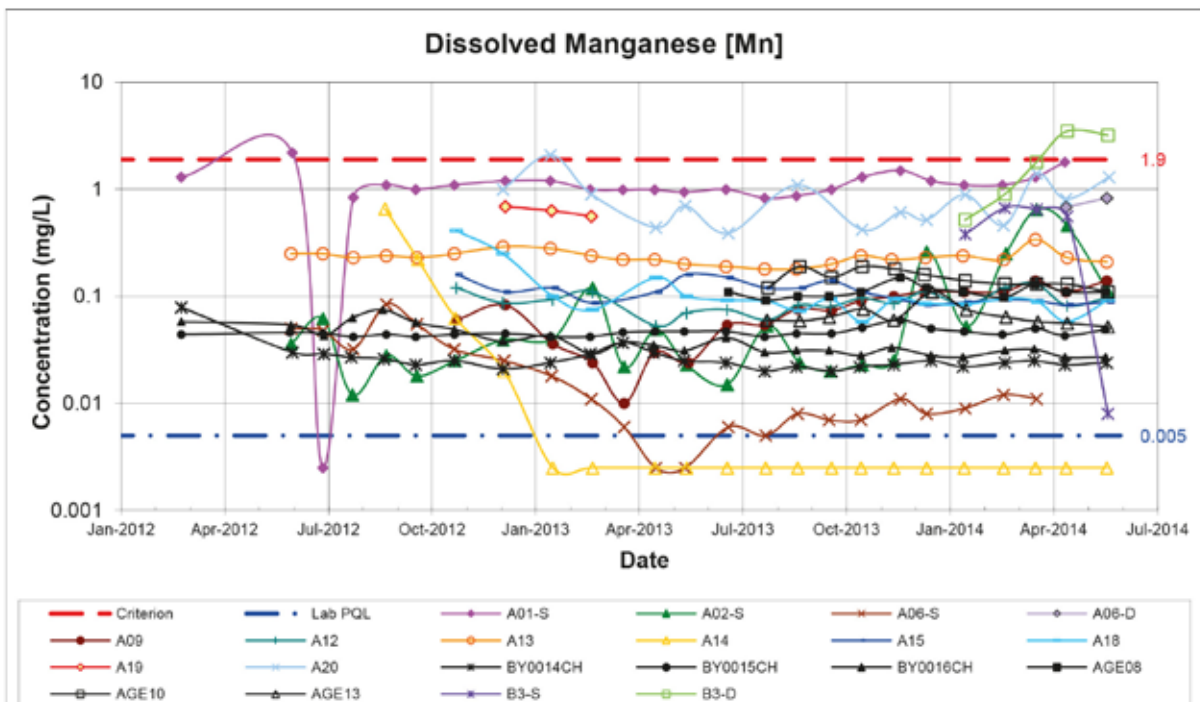
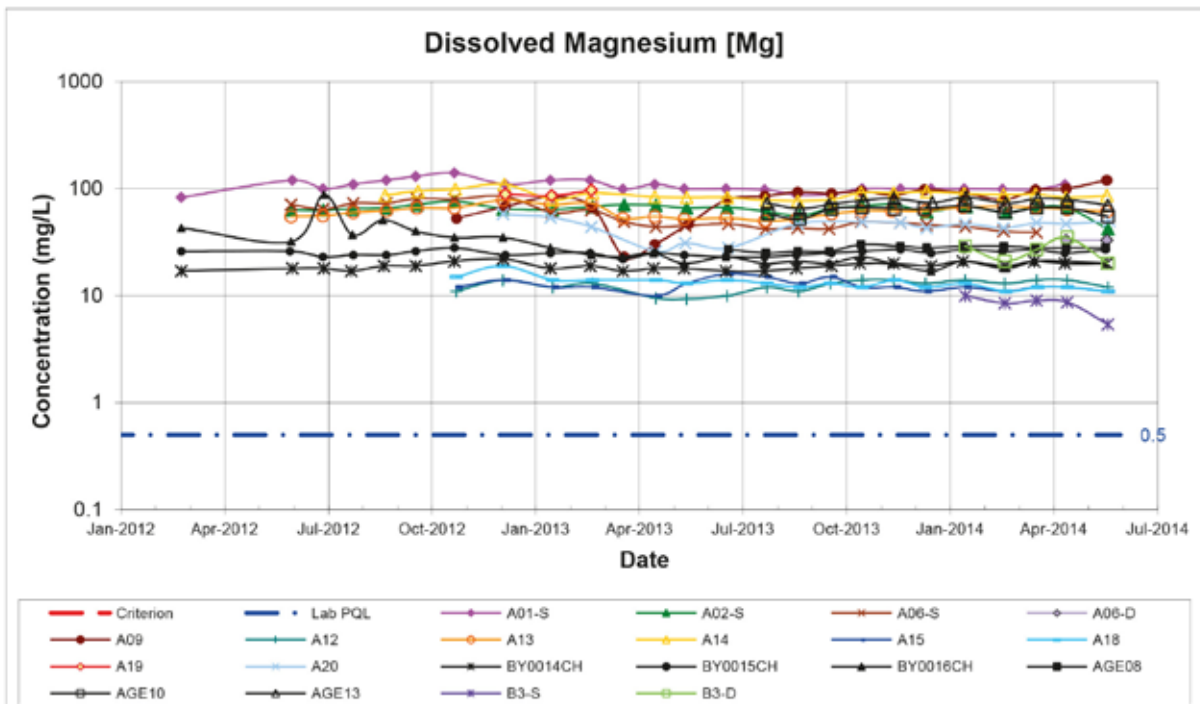
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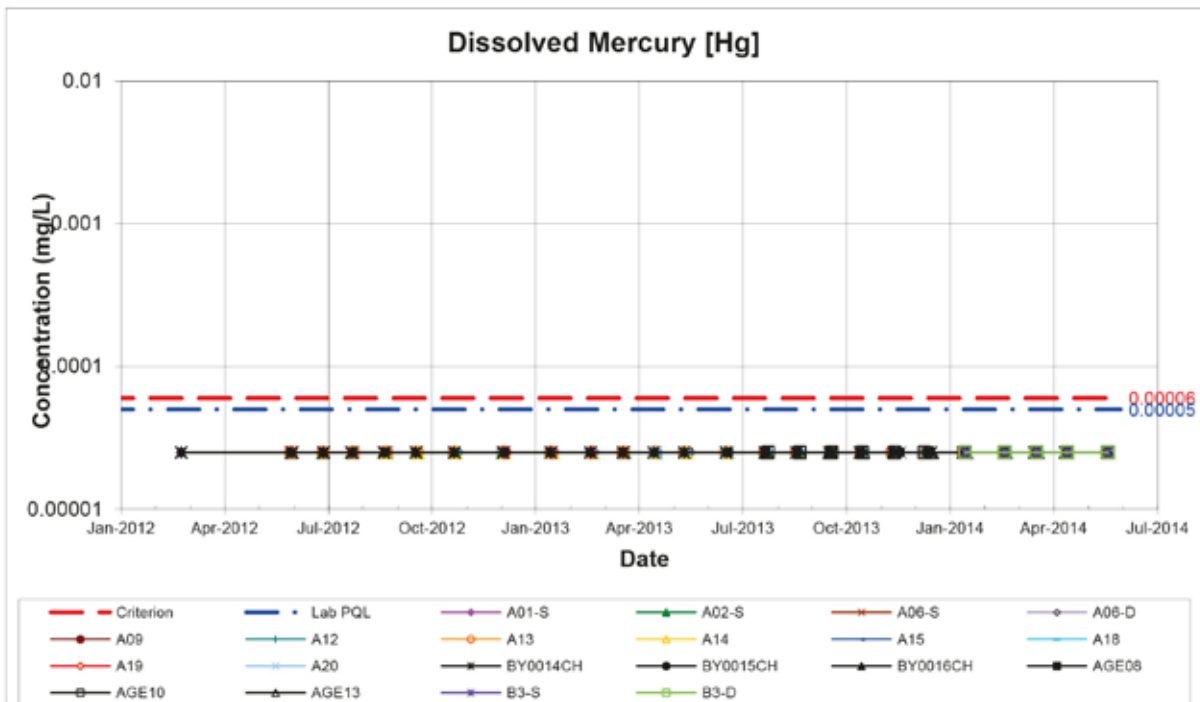
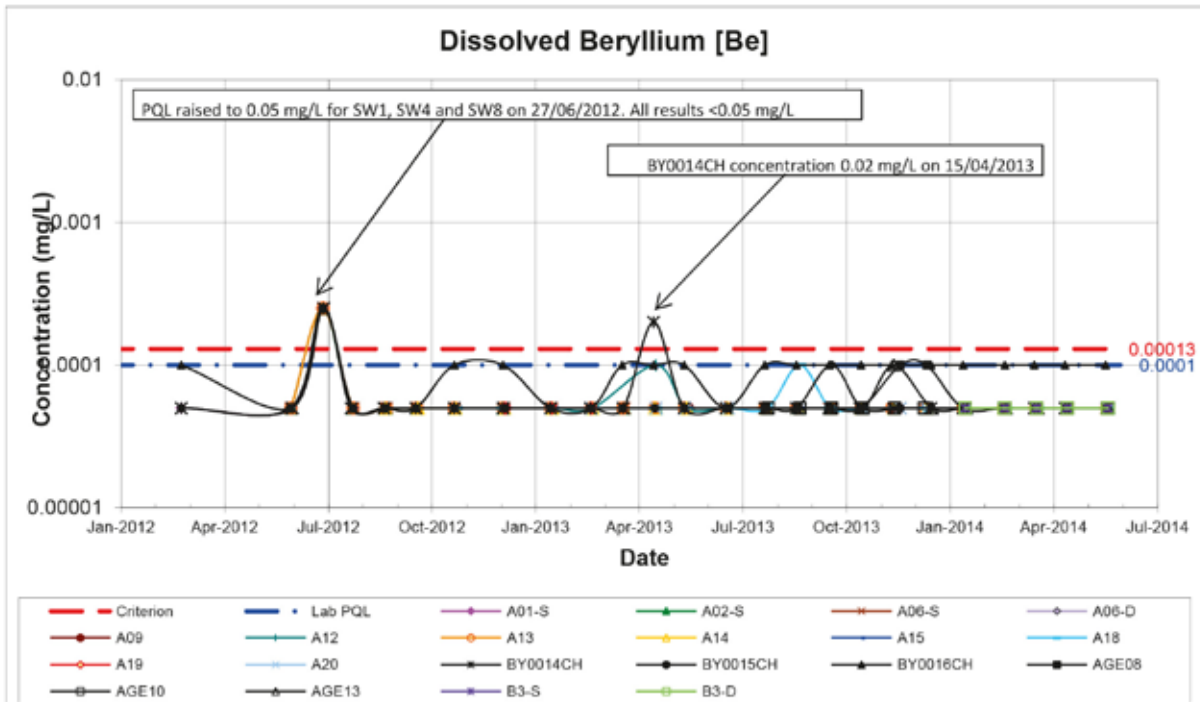
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GROUNDWATER QUALITY MONITORING

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Project: 49761.03



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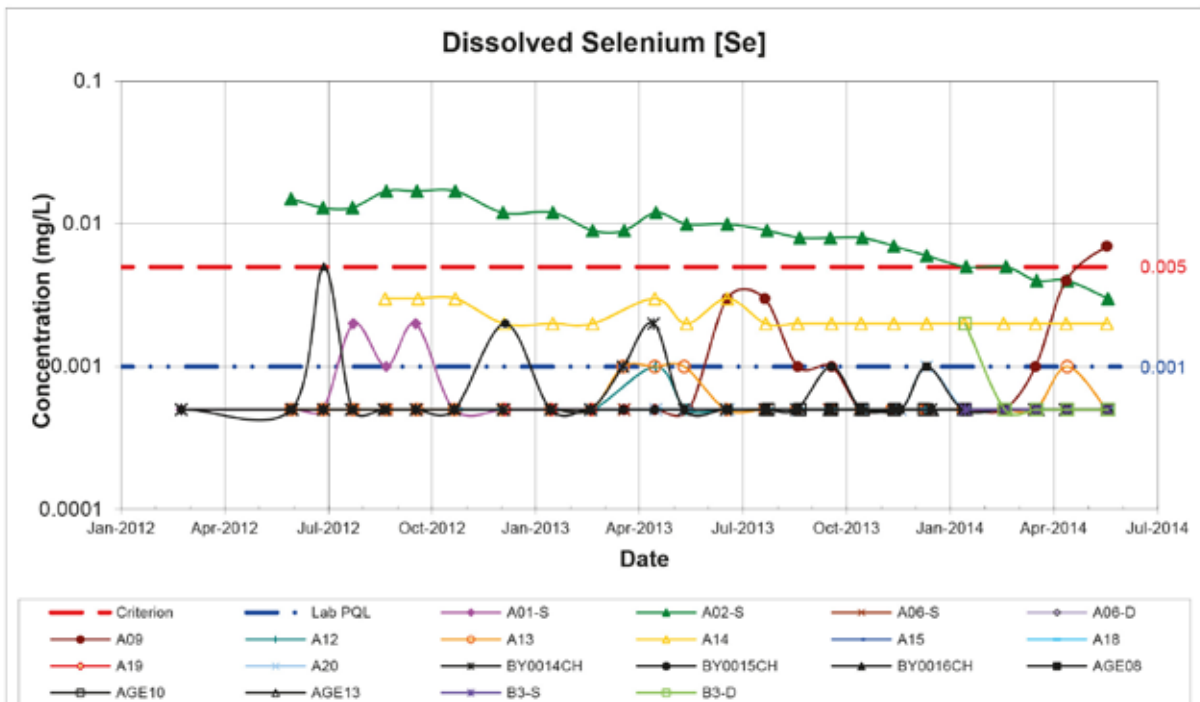
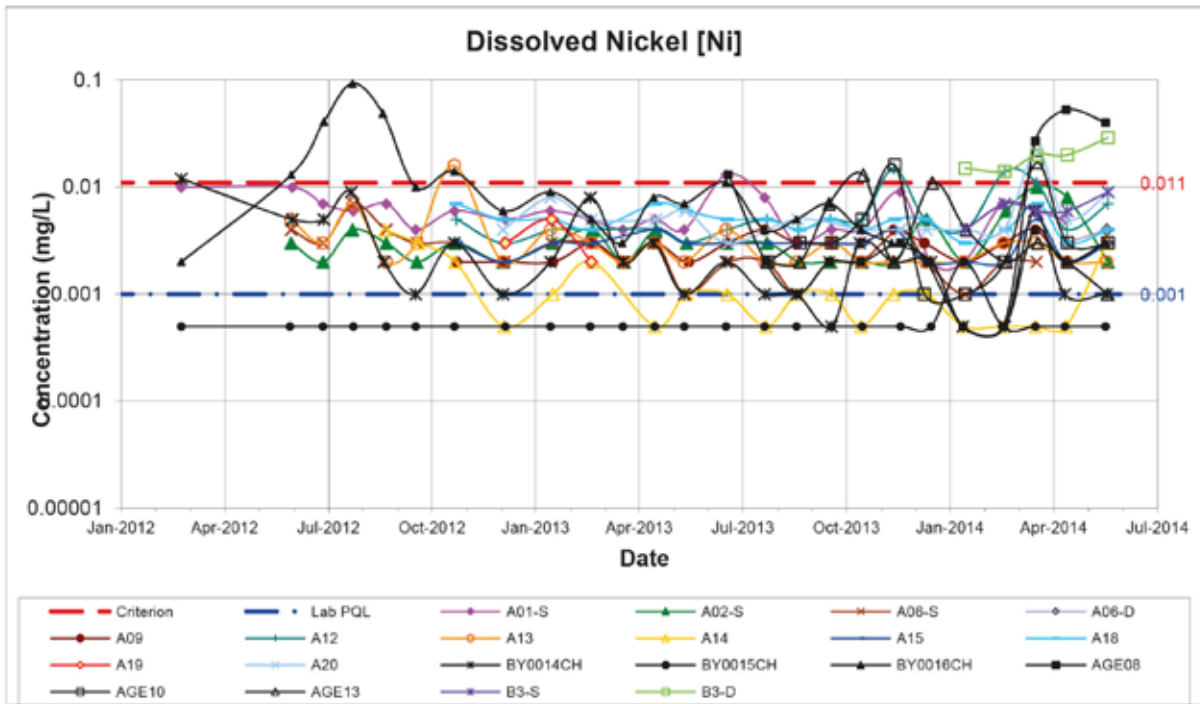
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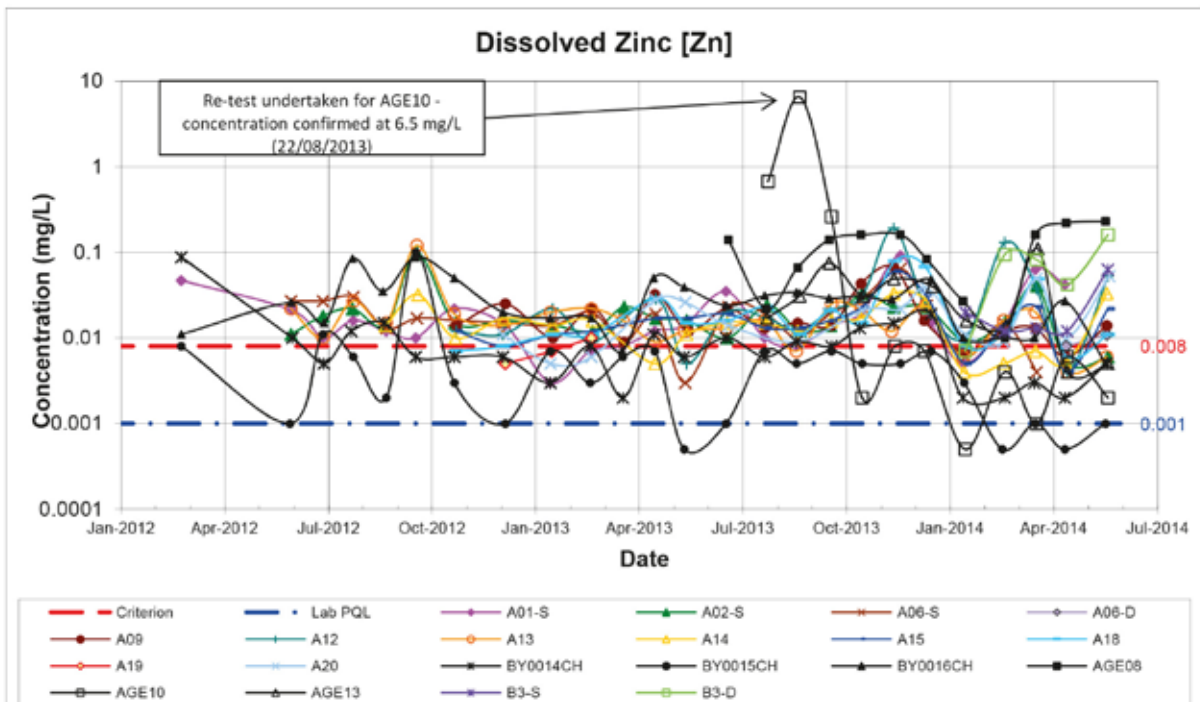
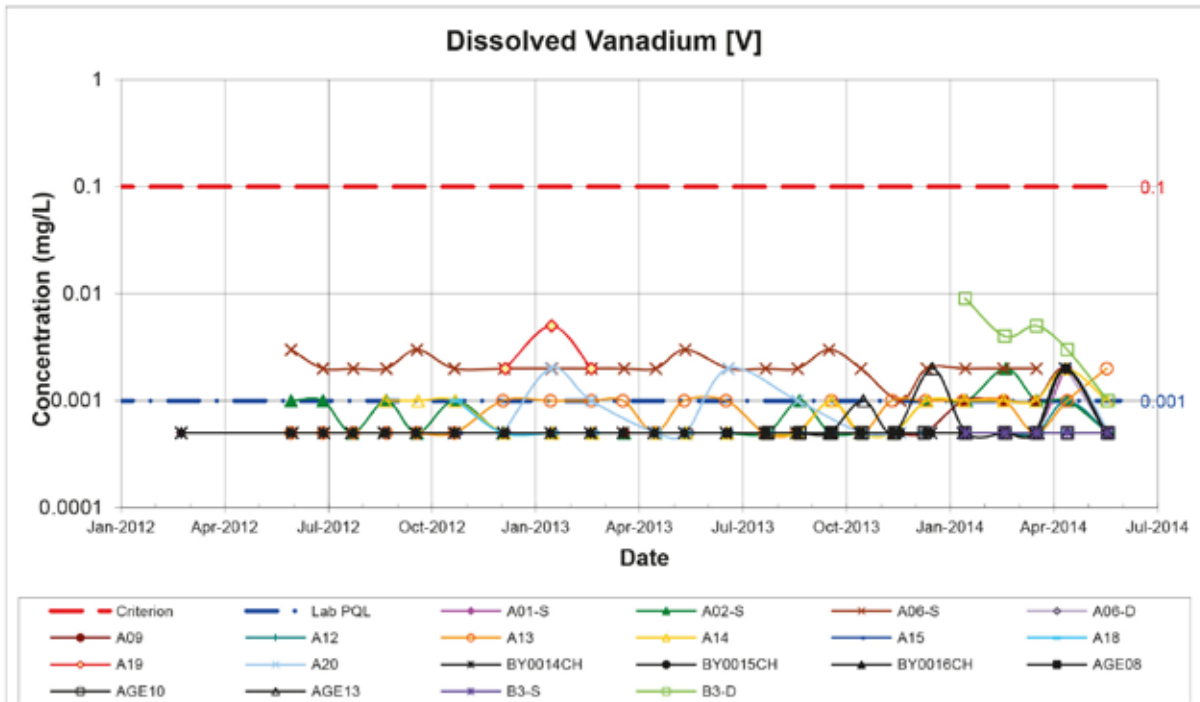
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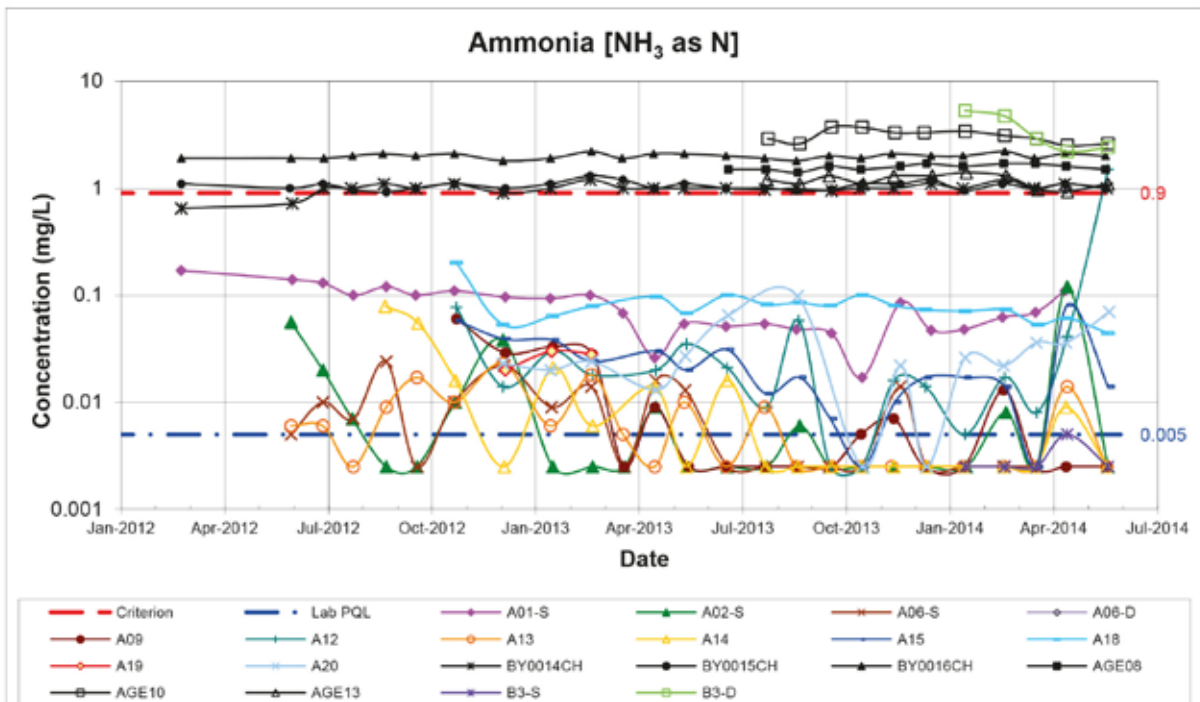
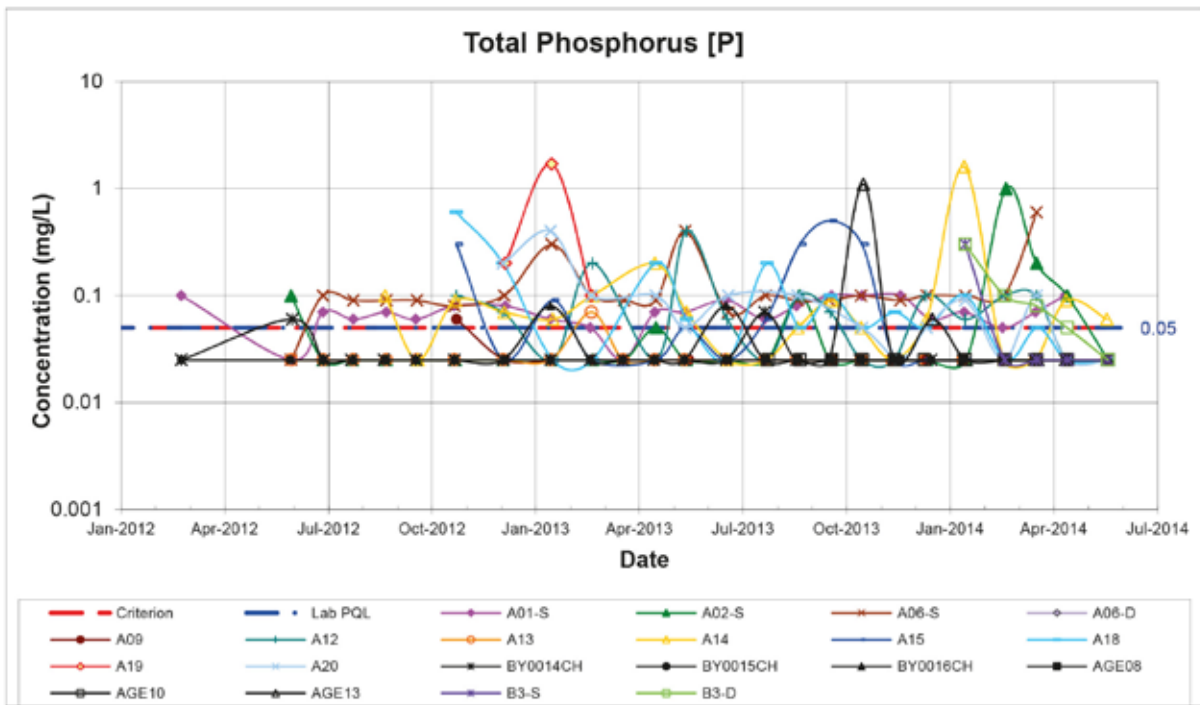
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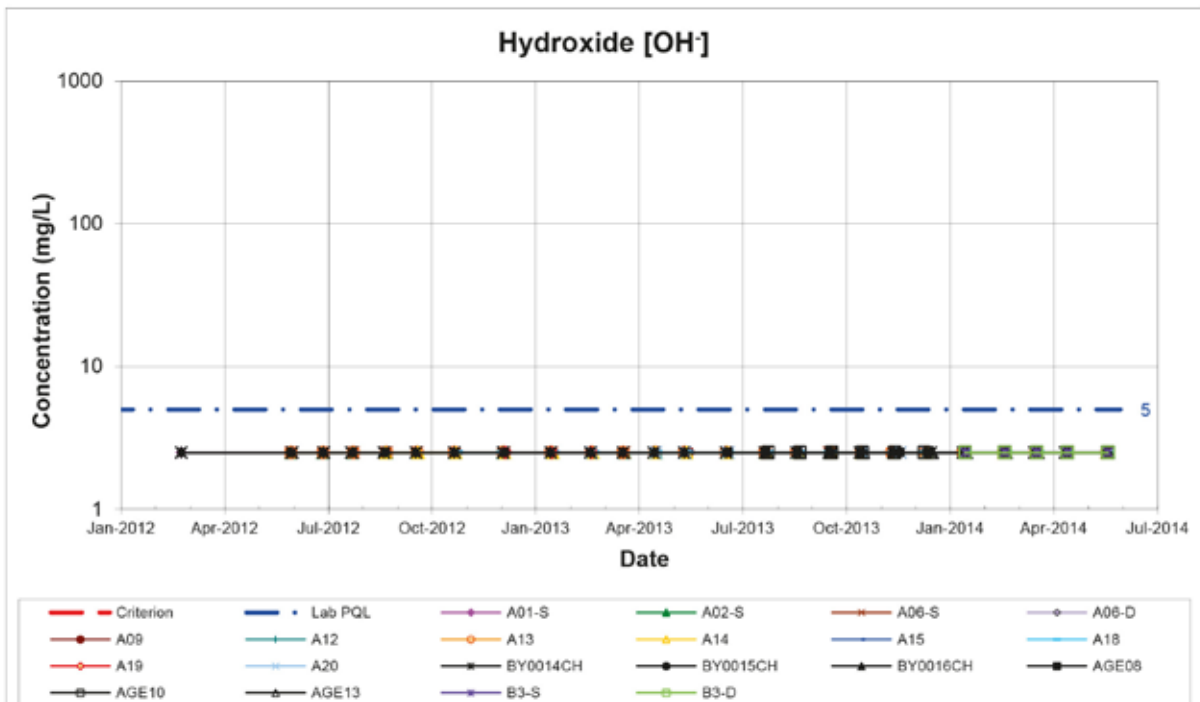
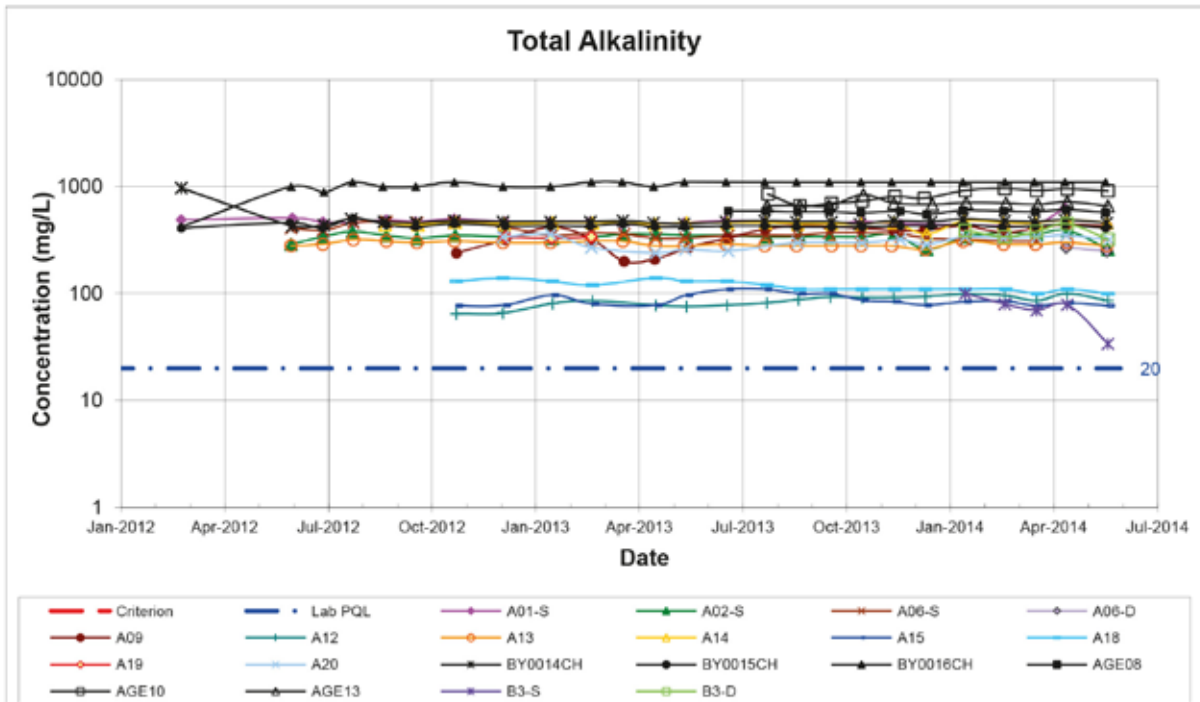
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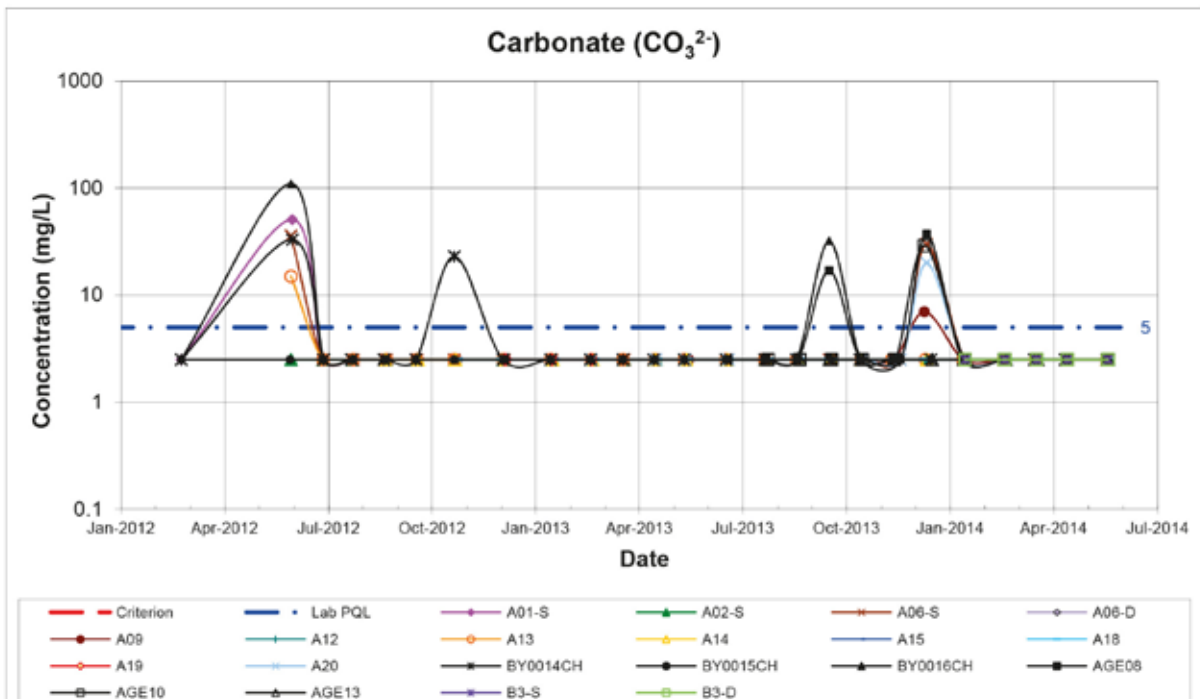
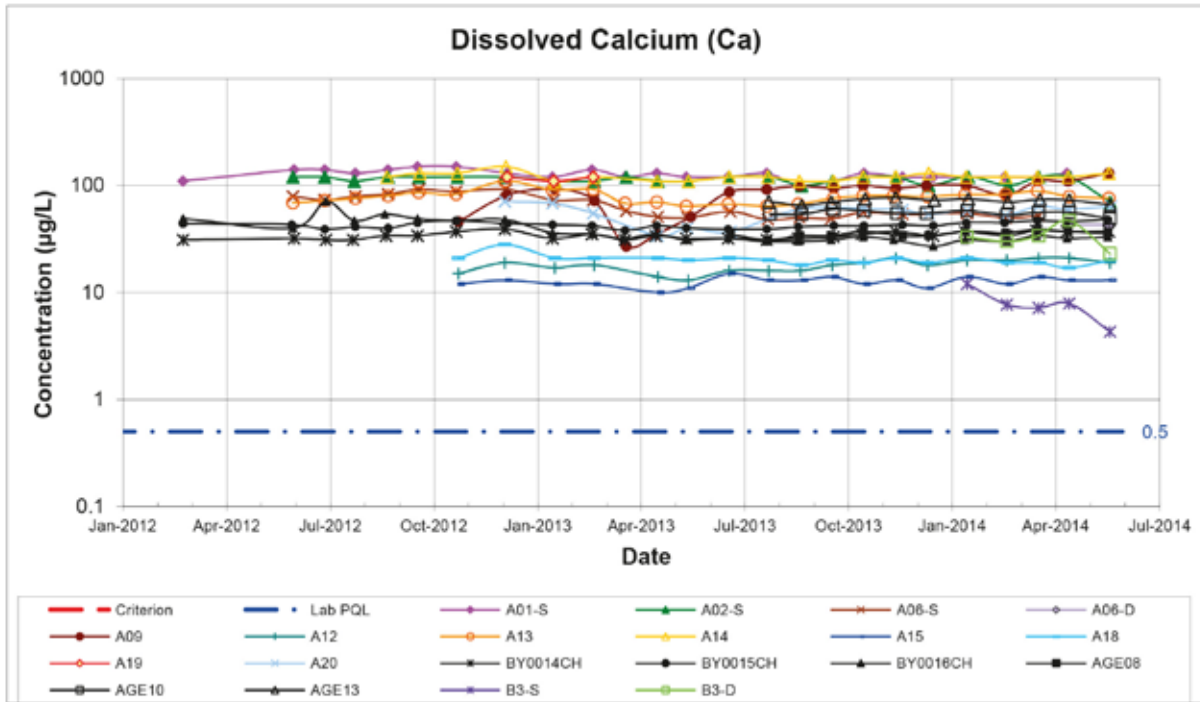
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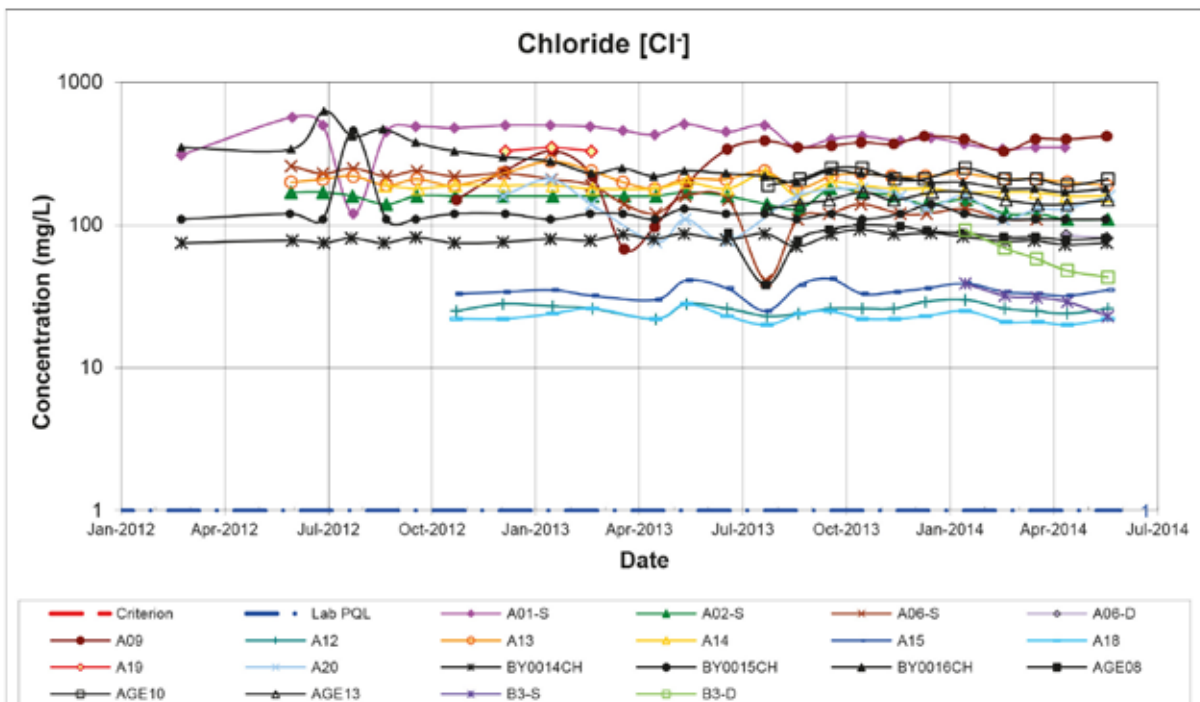
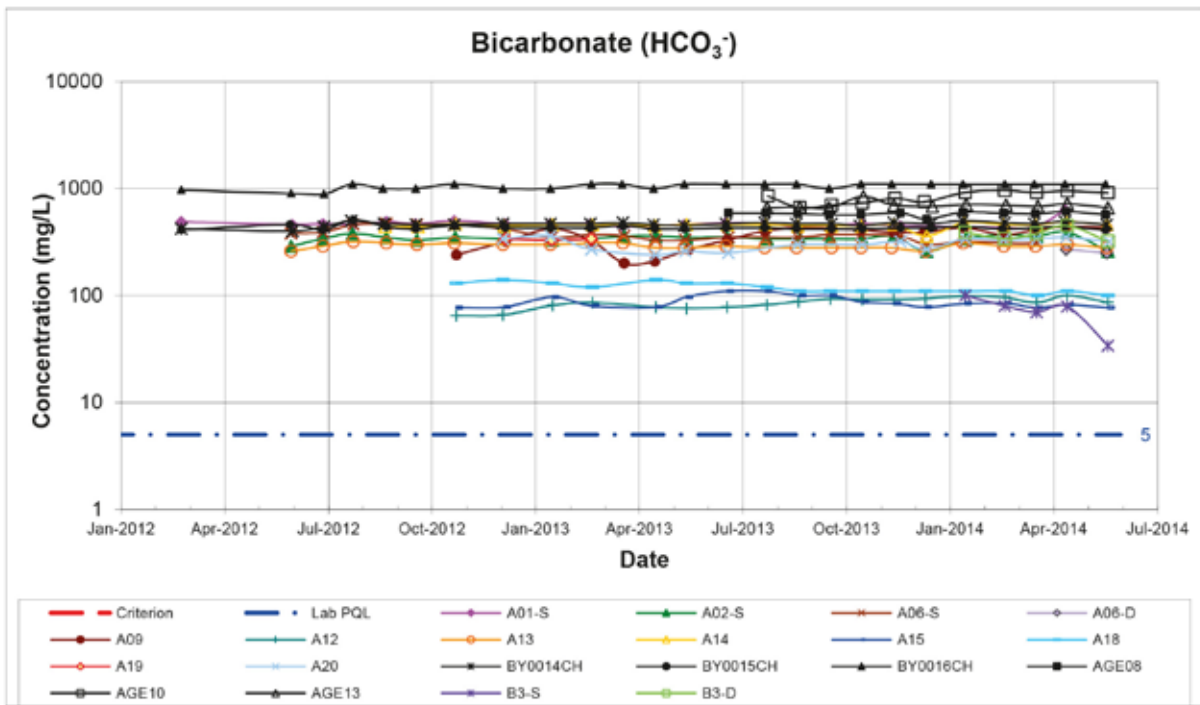
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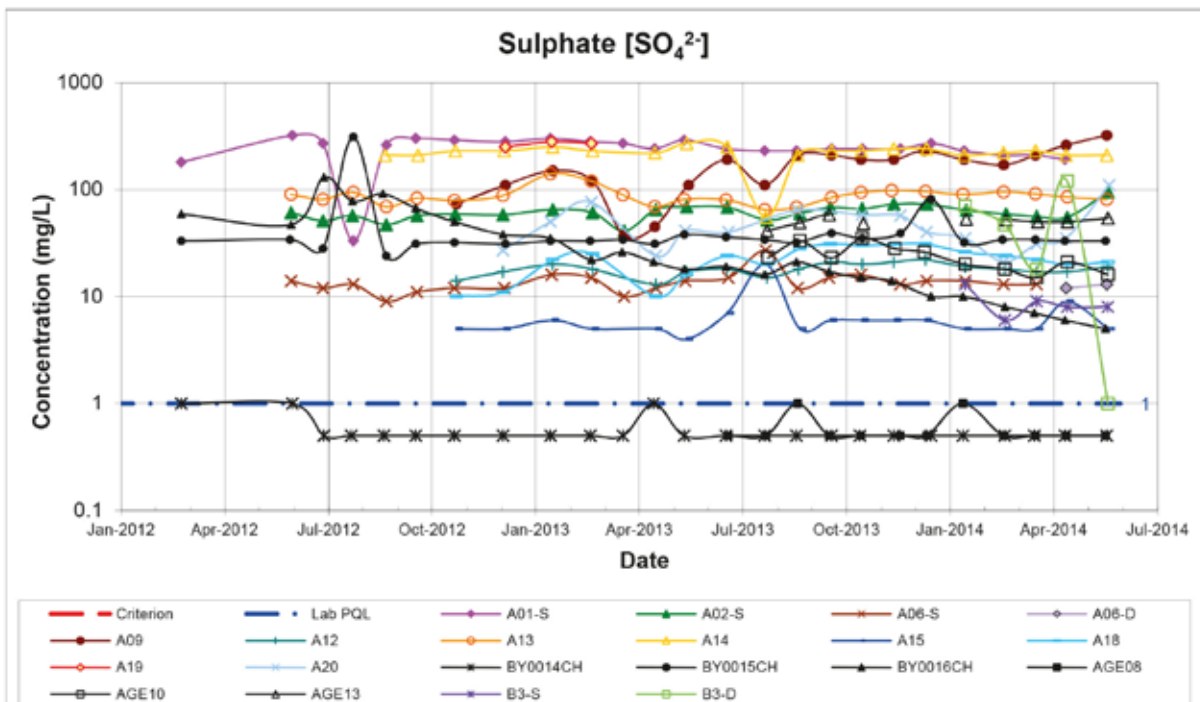
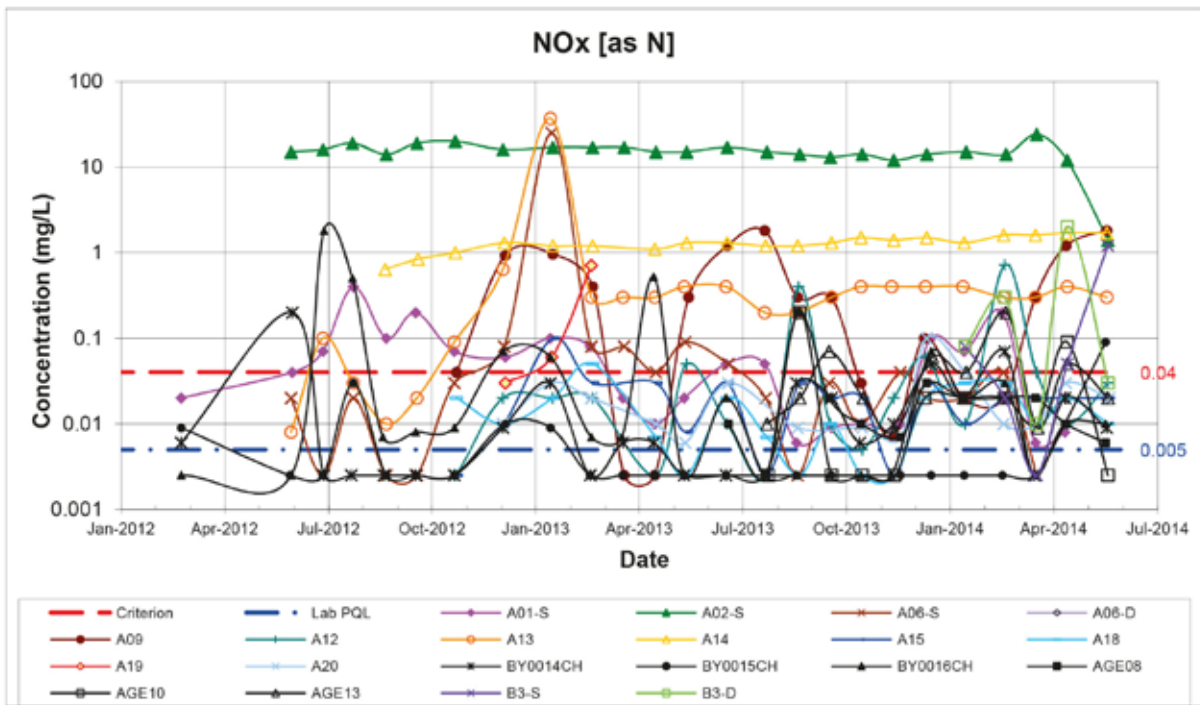
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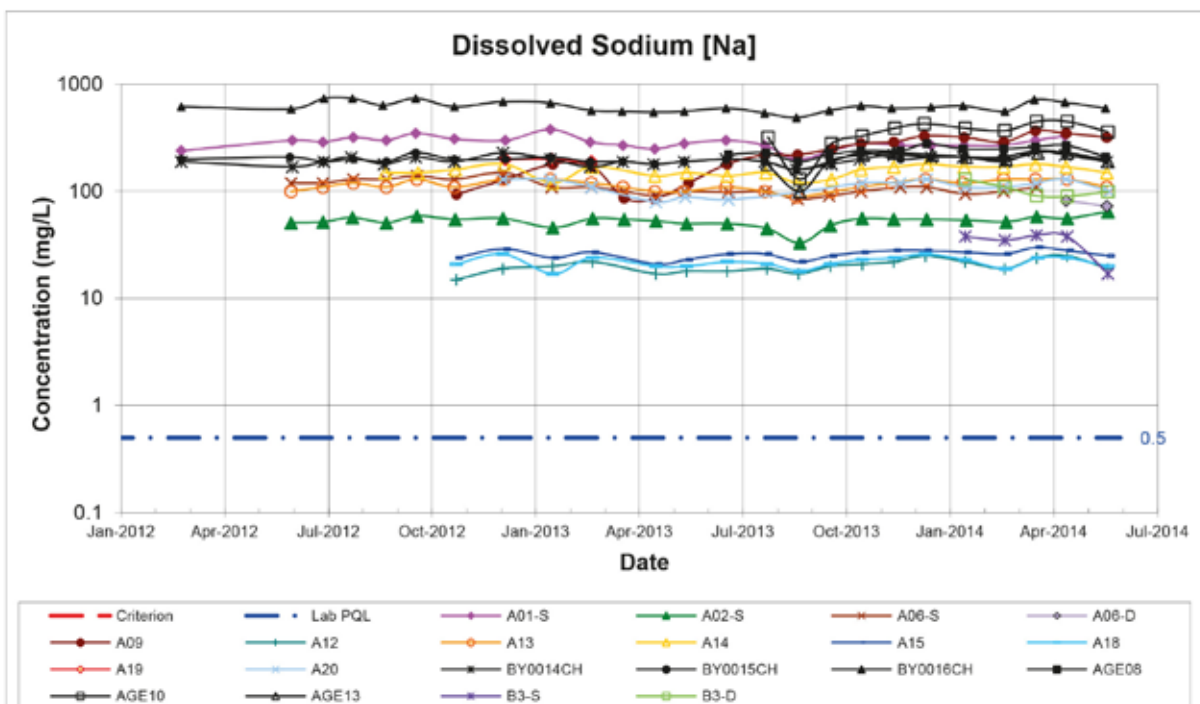
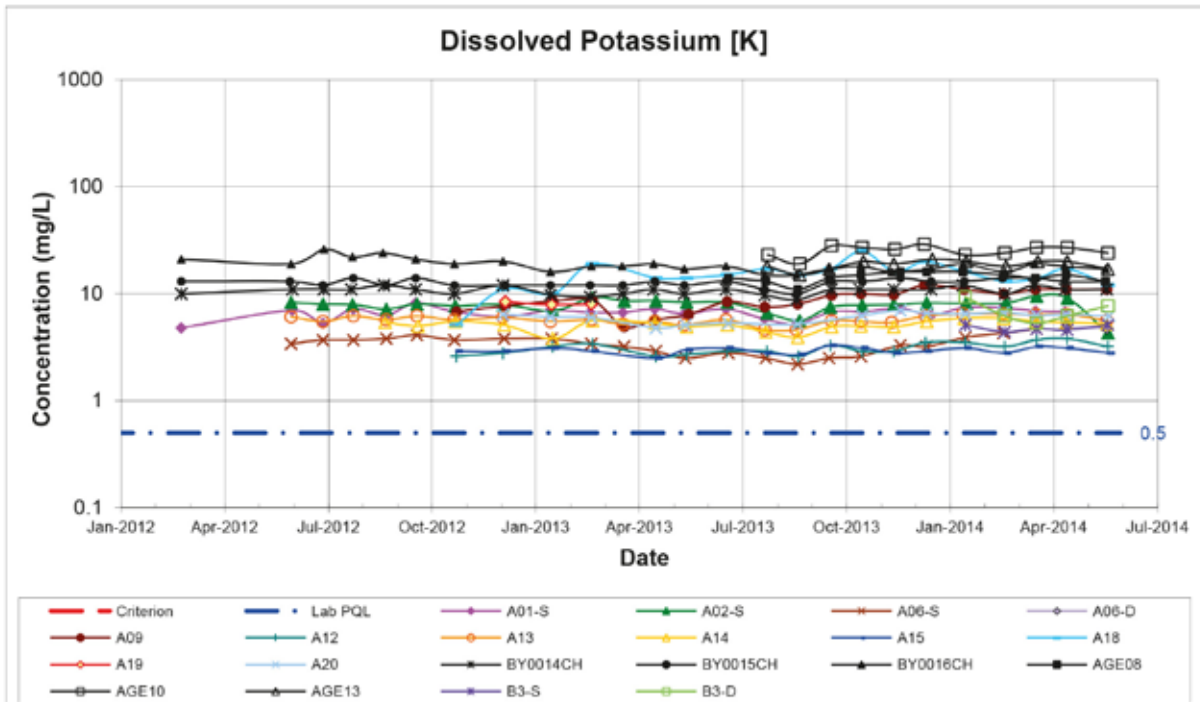
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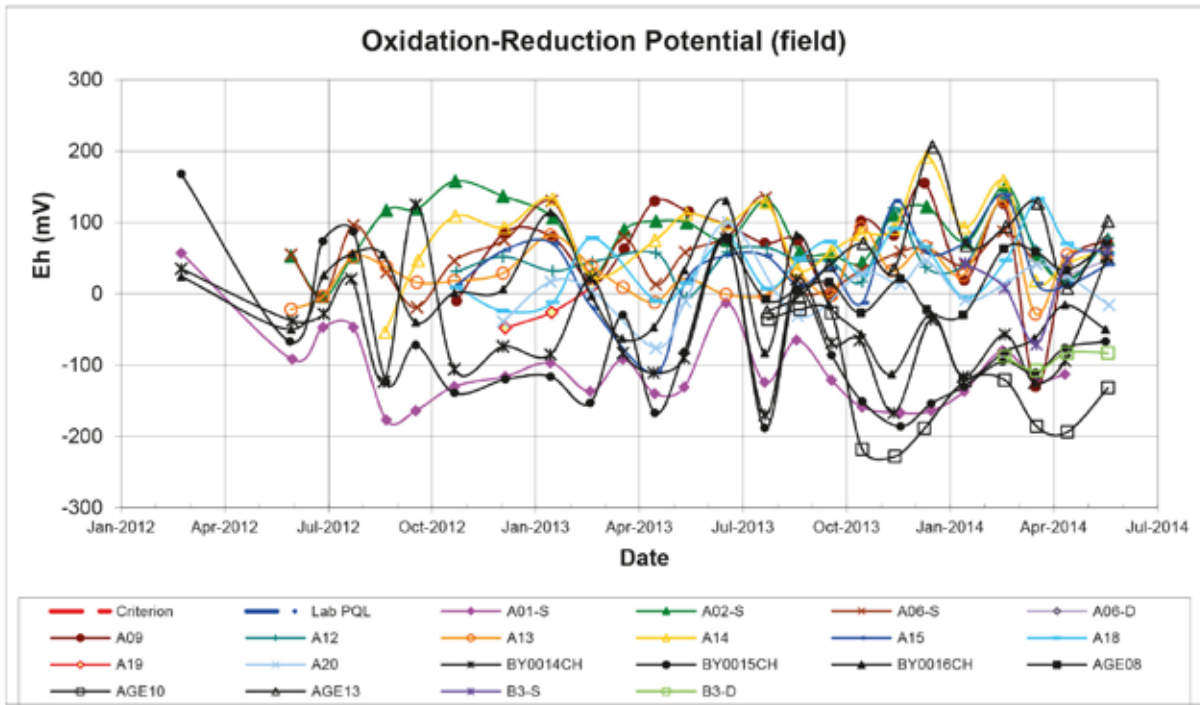
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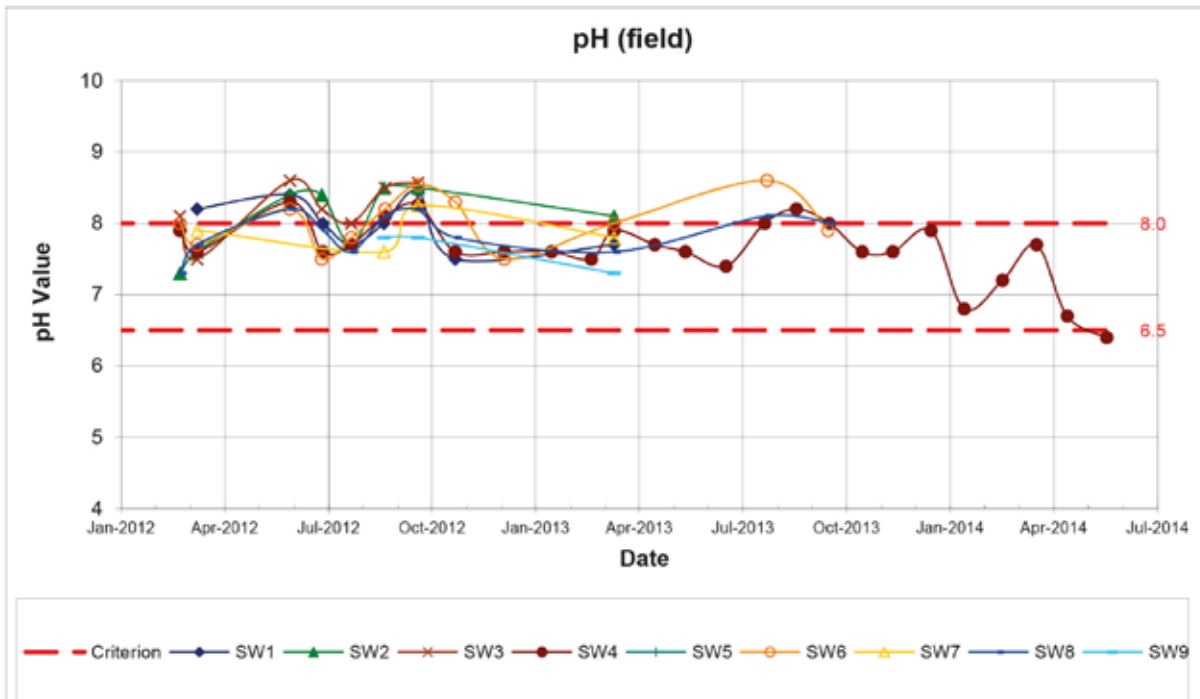
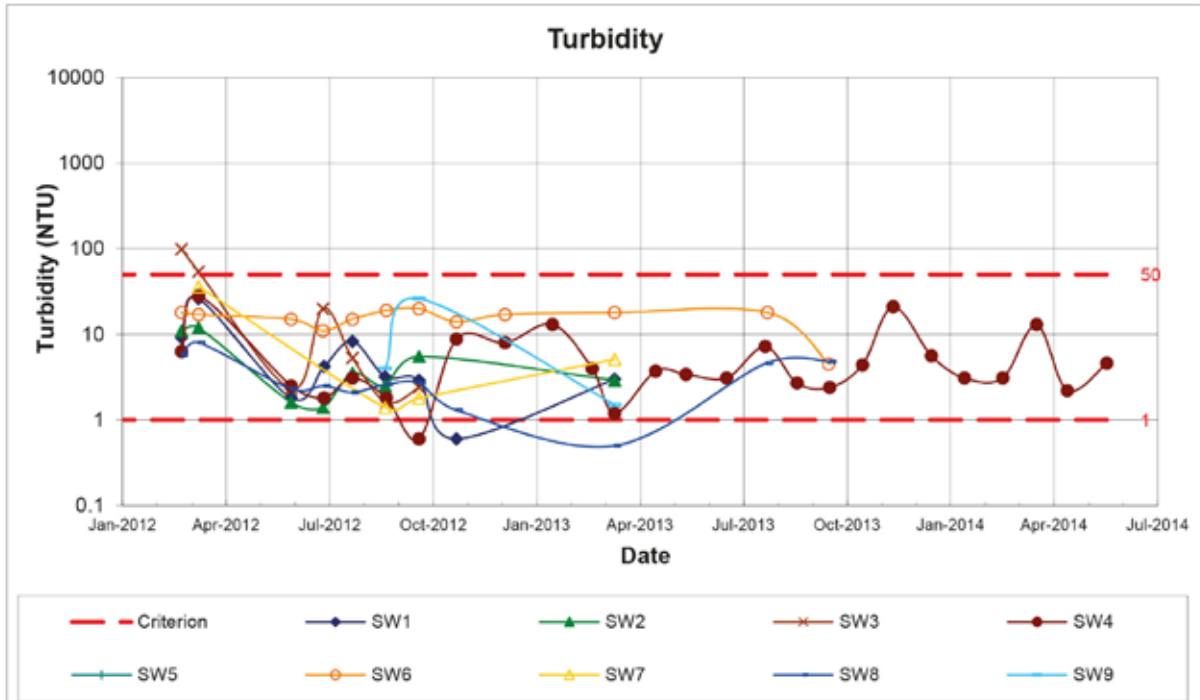
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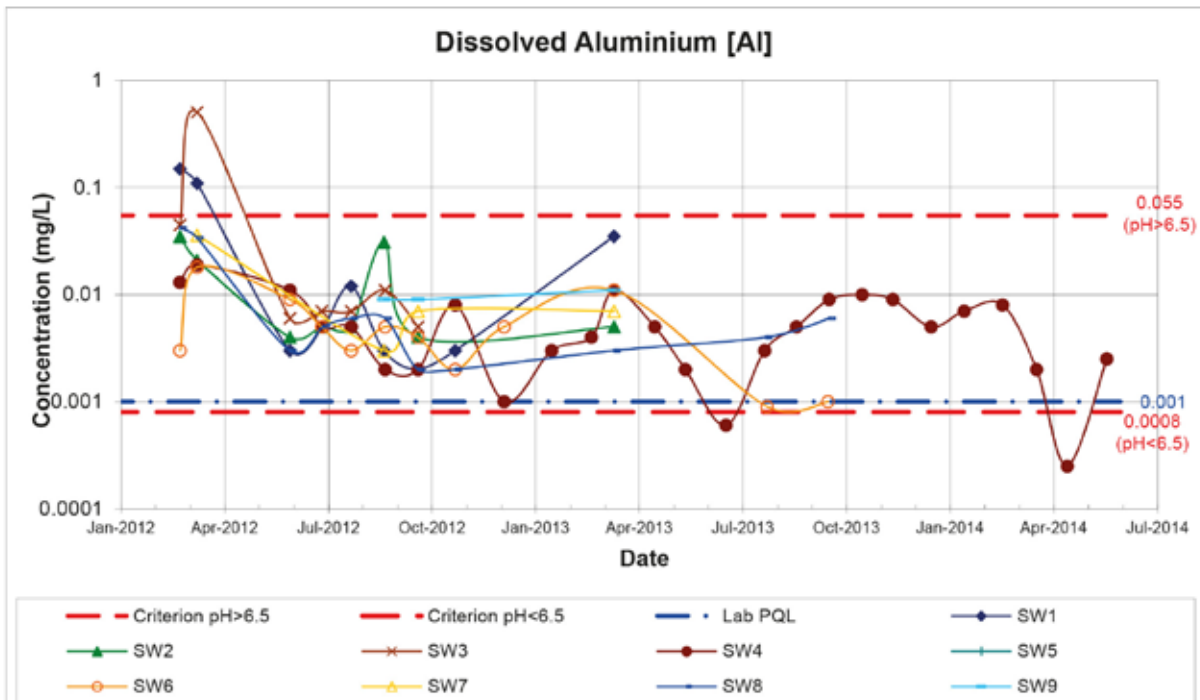
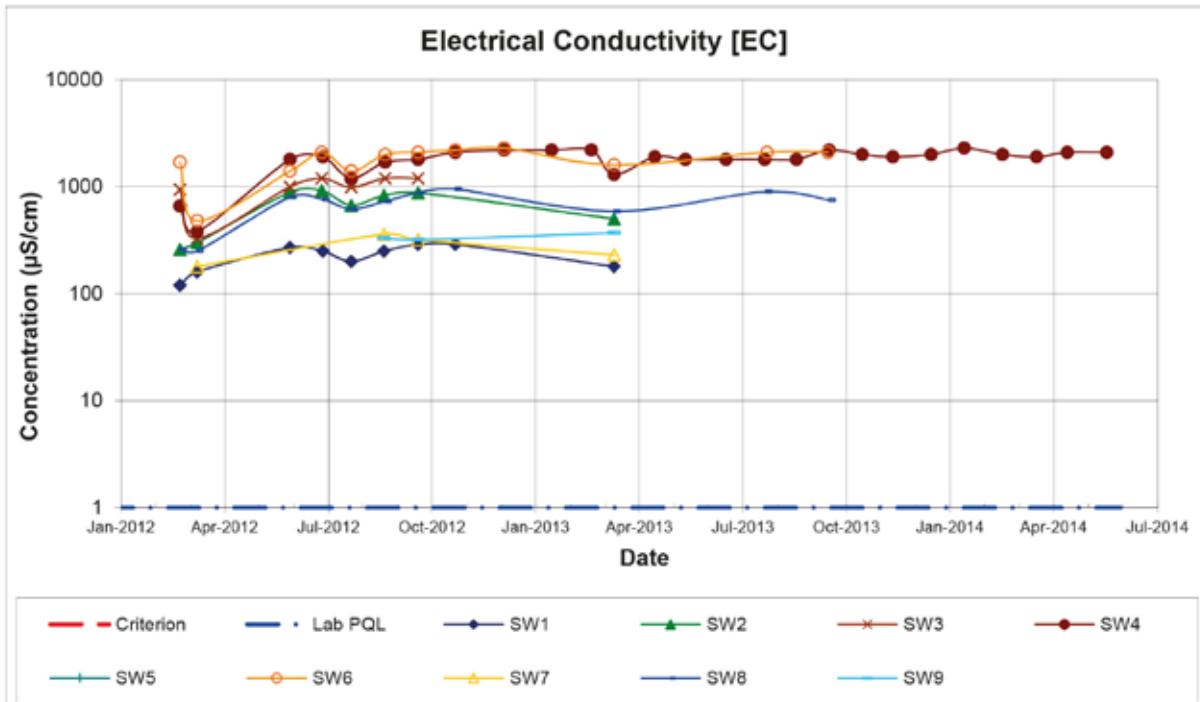
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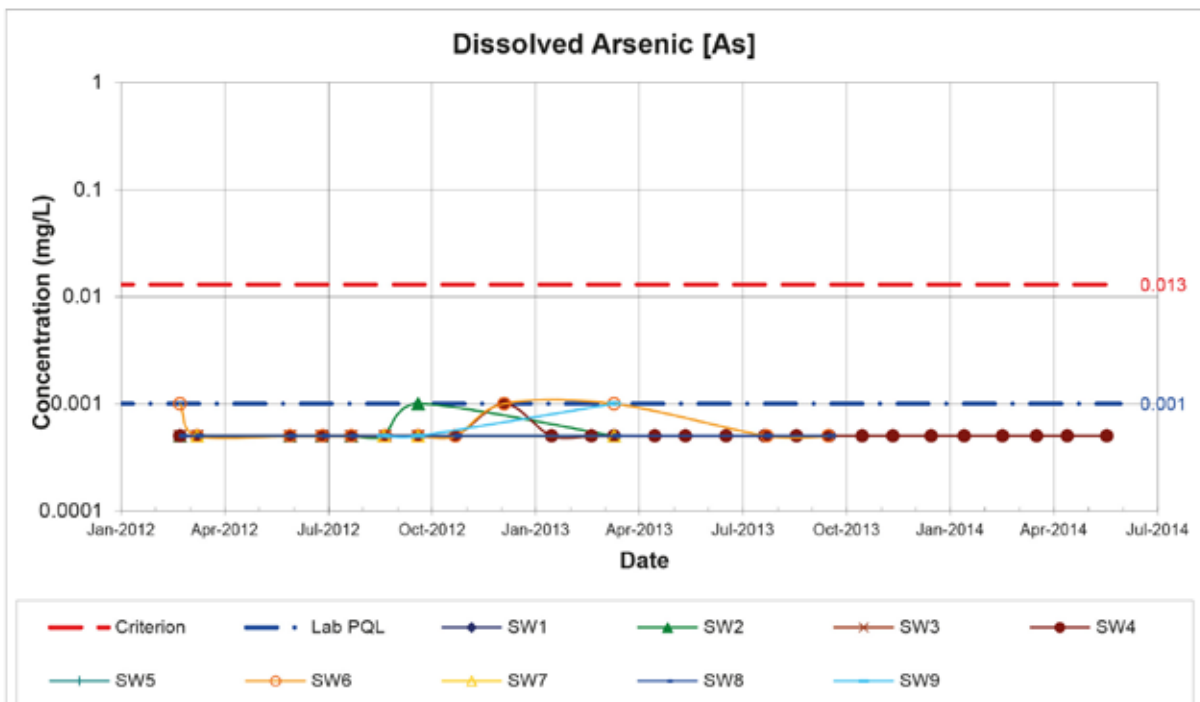
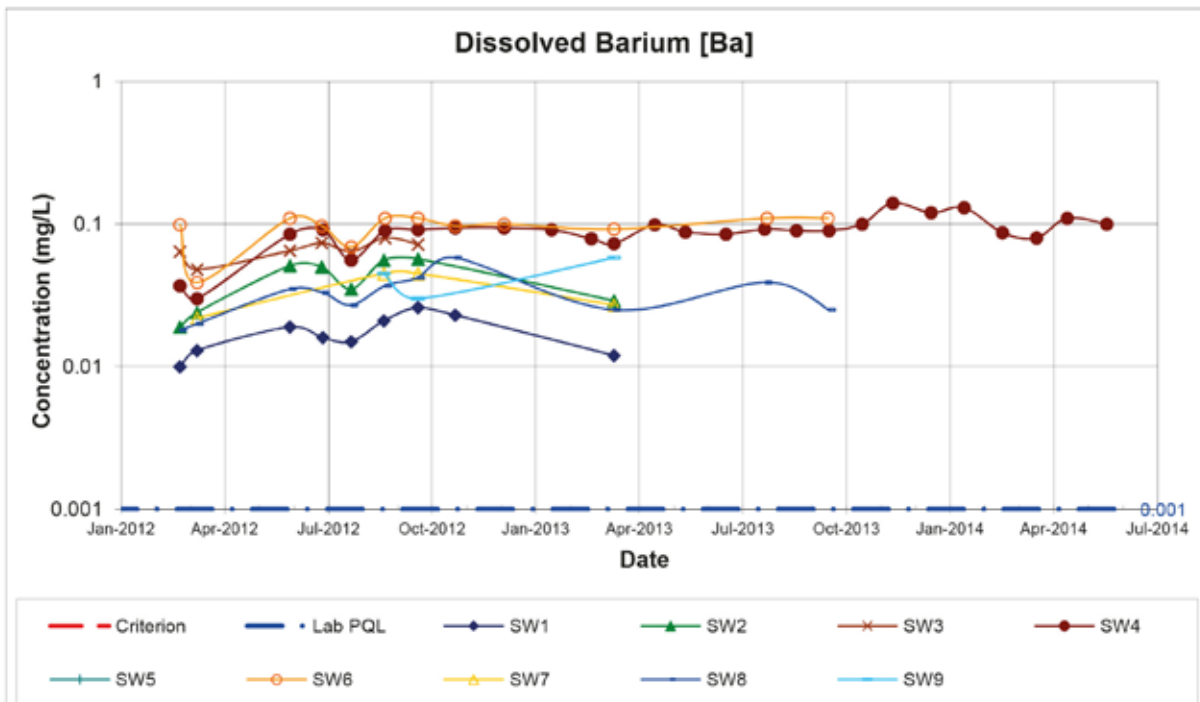
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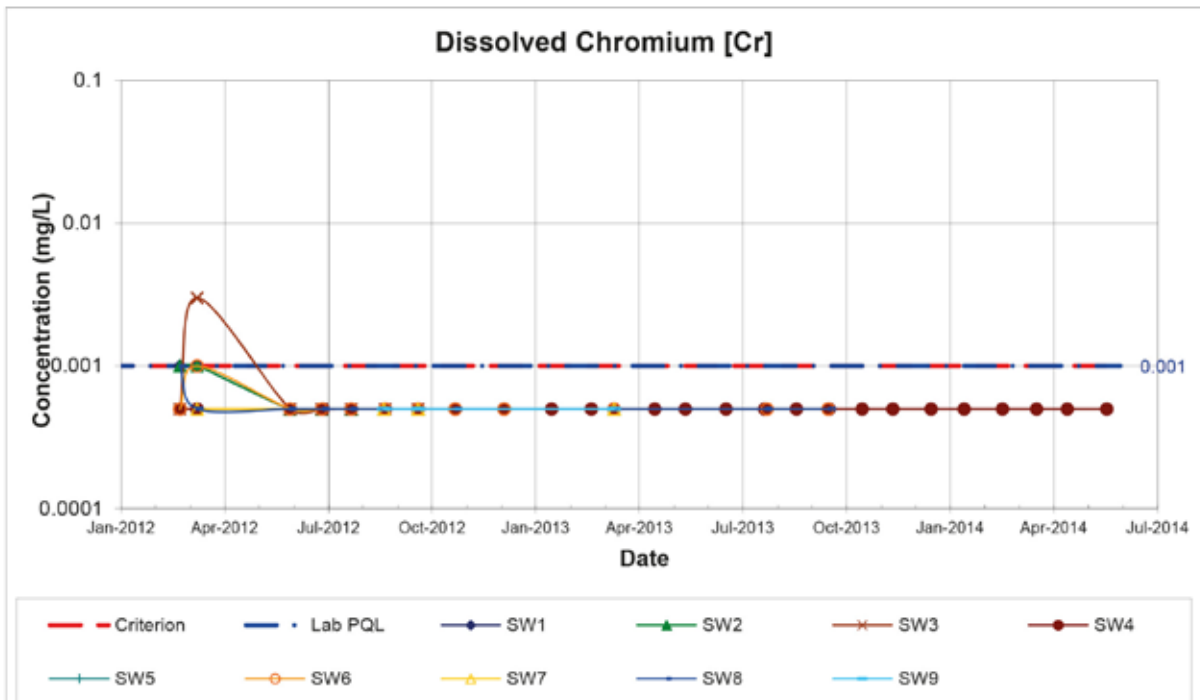
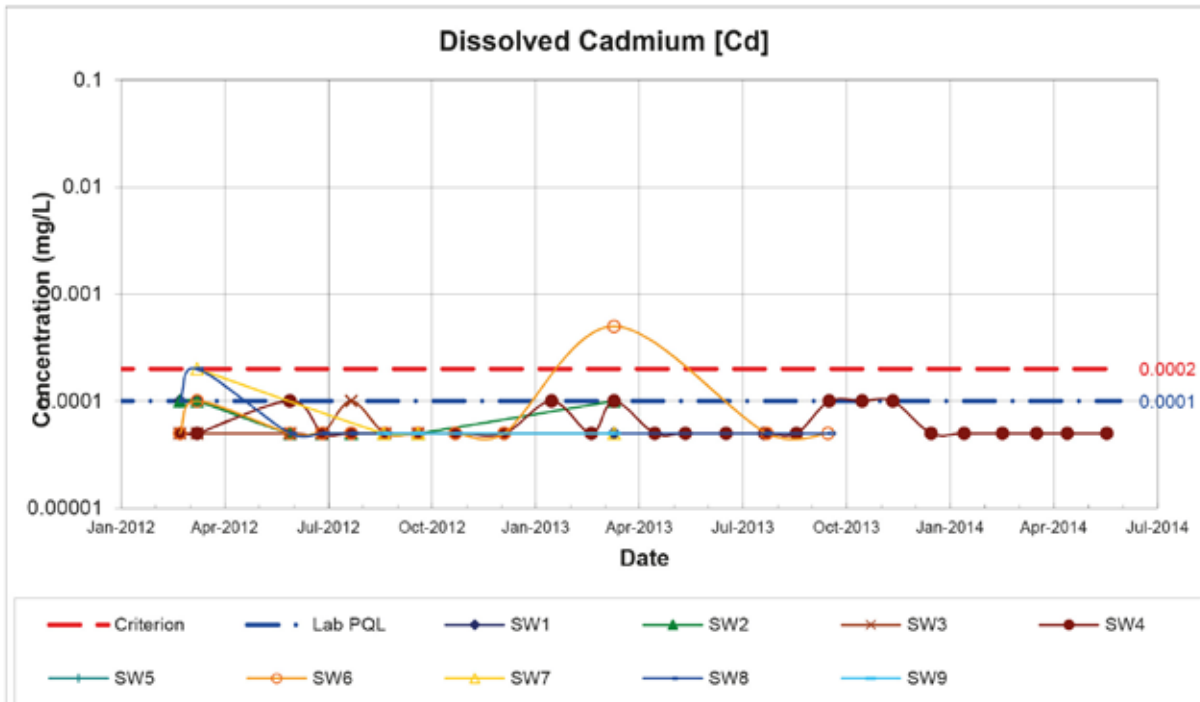
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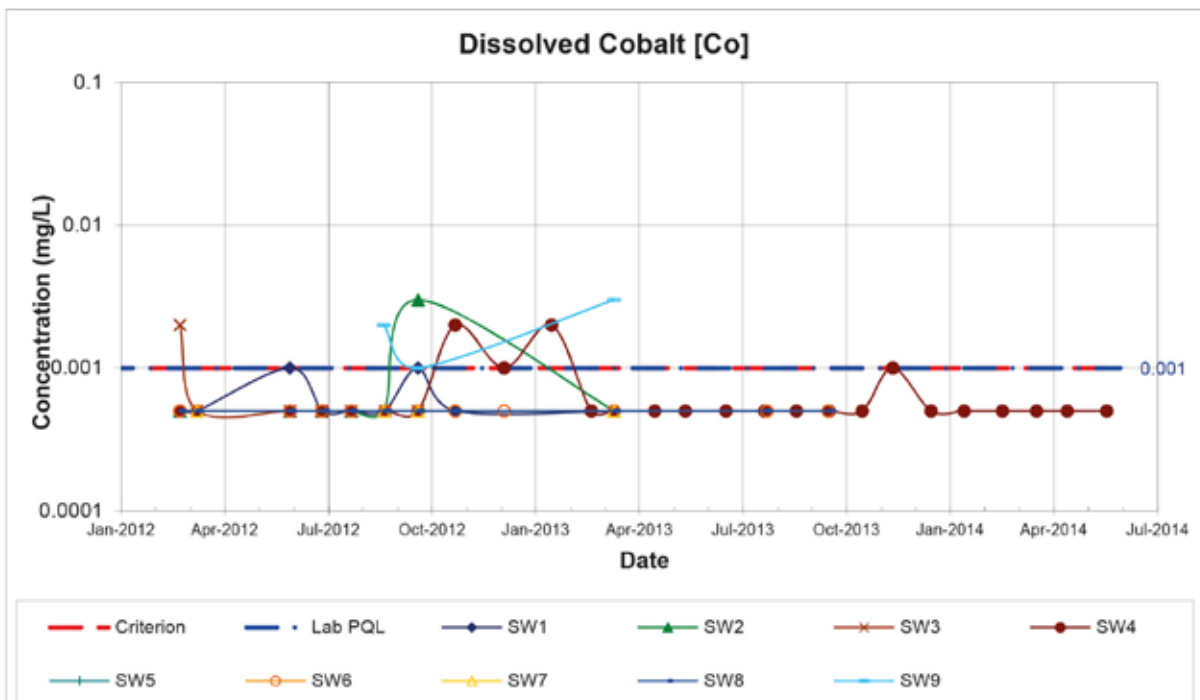
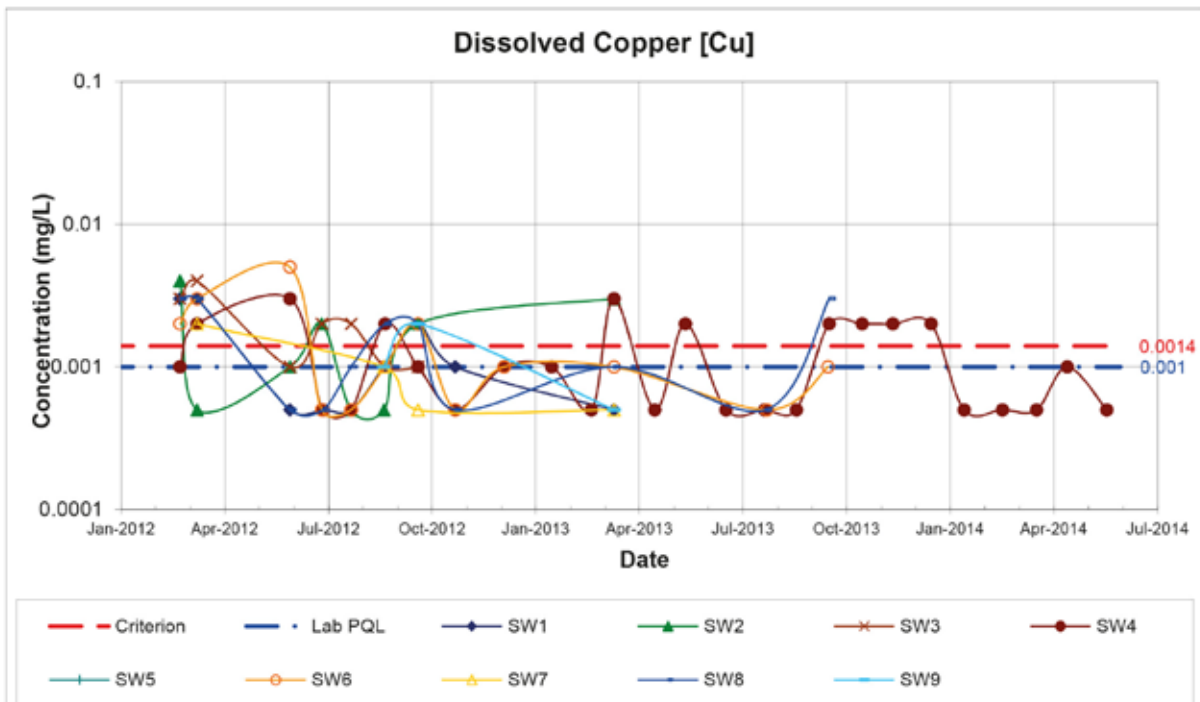
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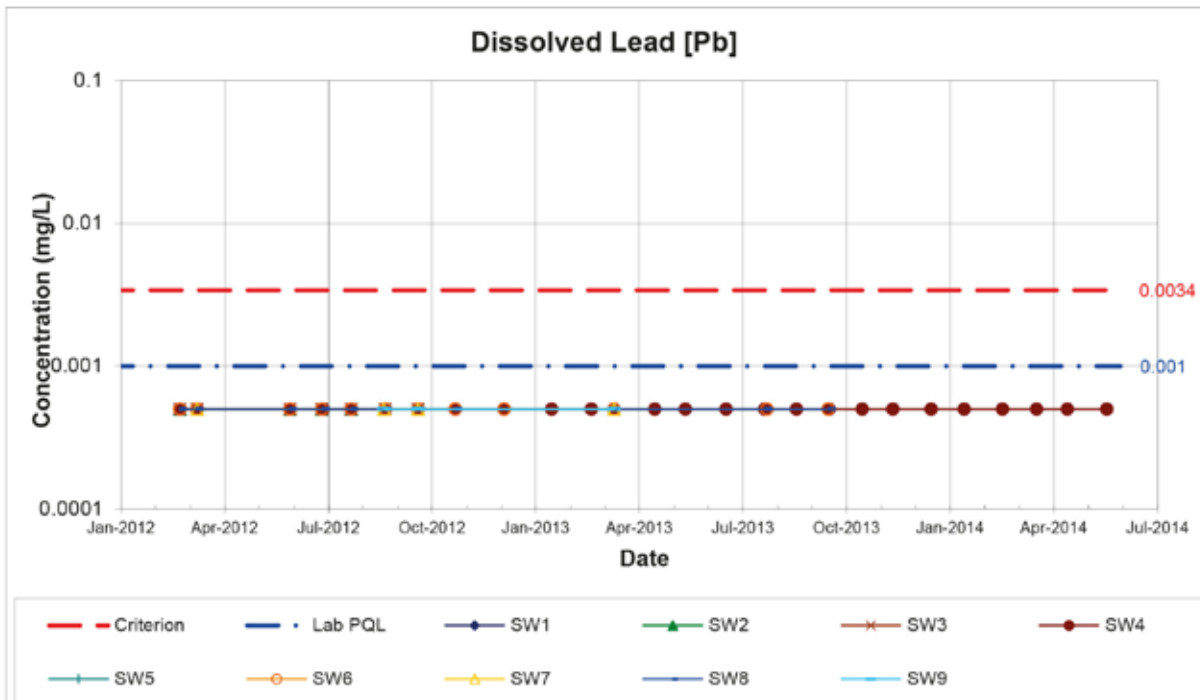
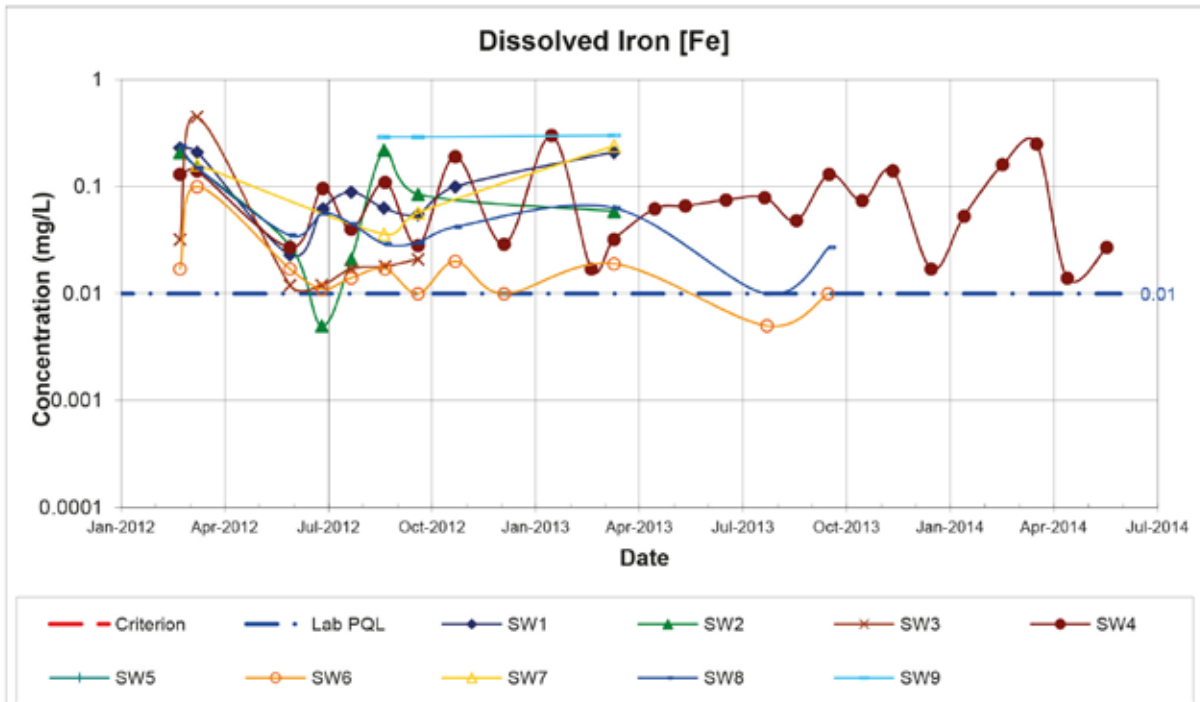
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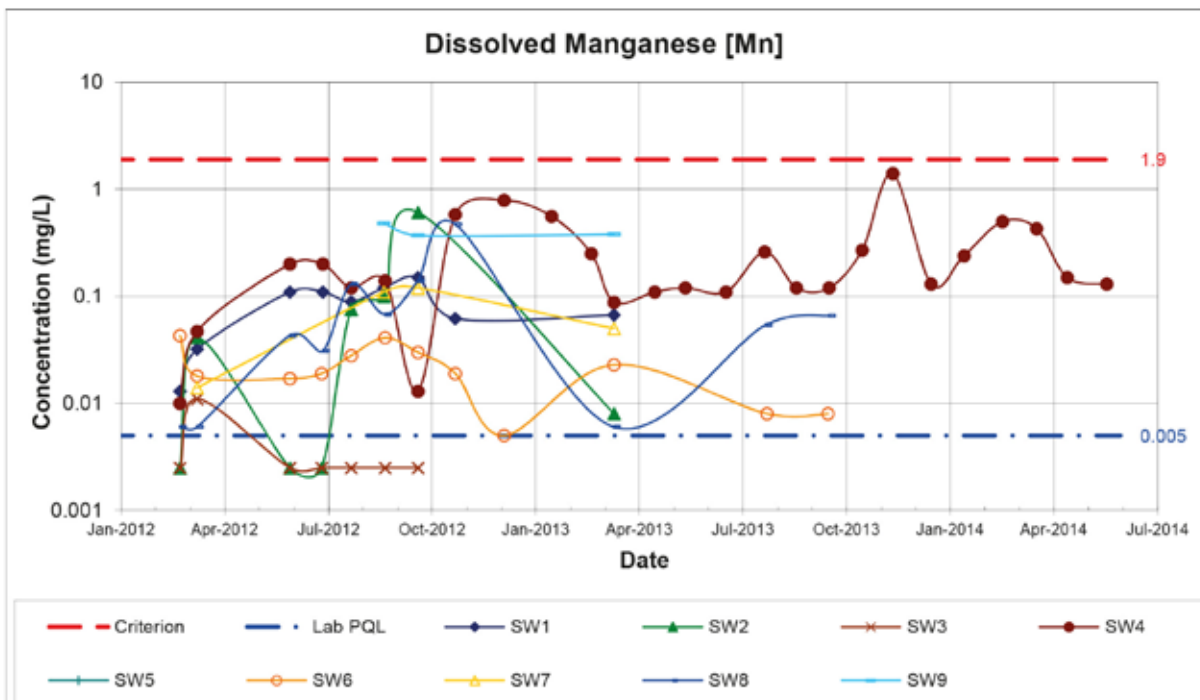
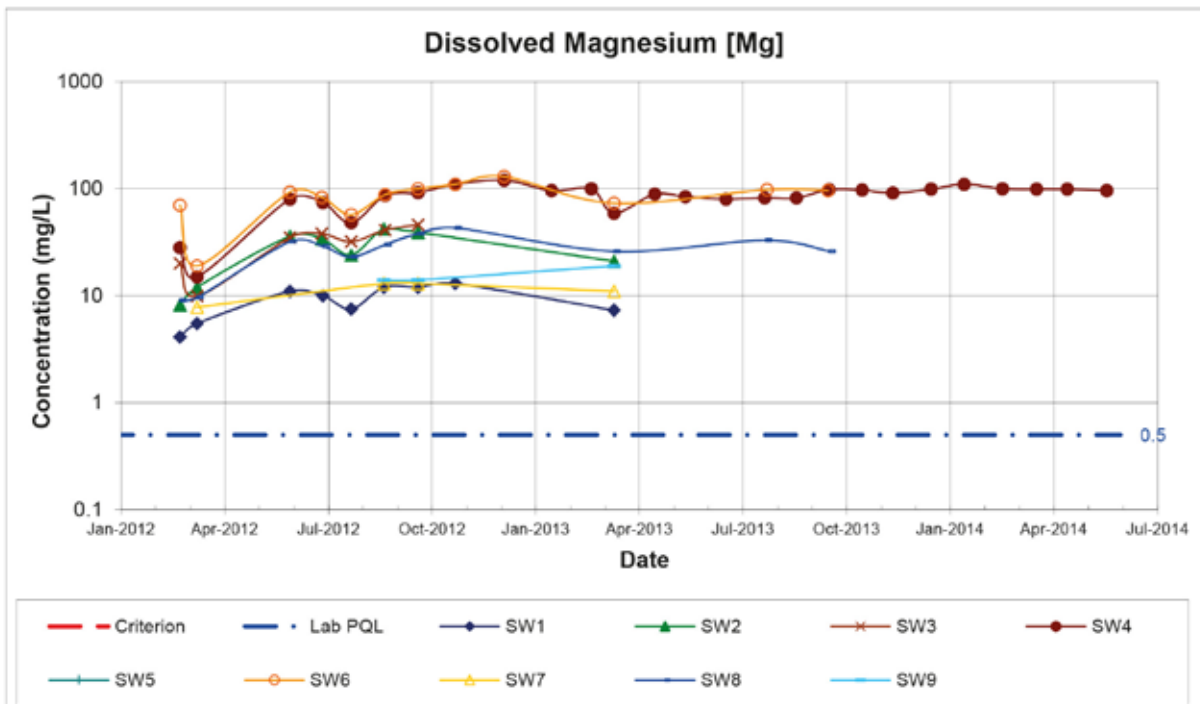
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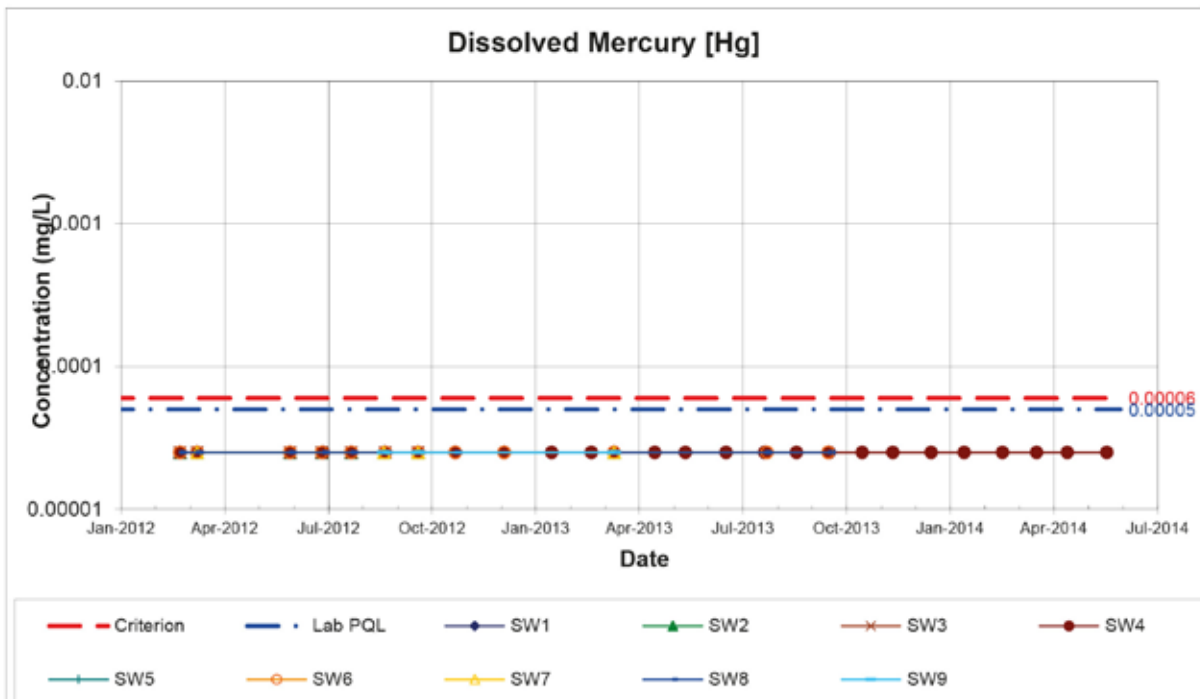
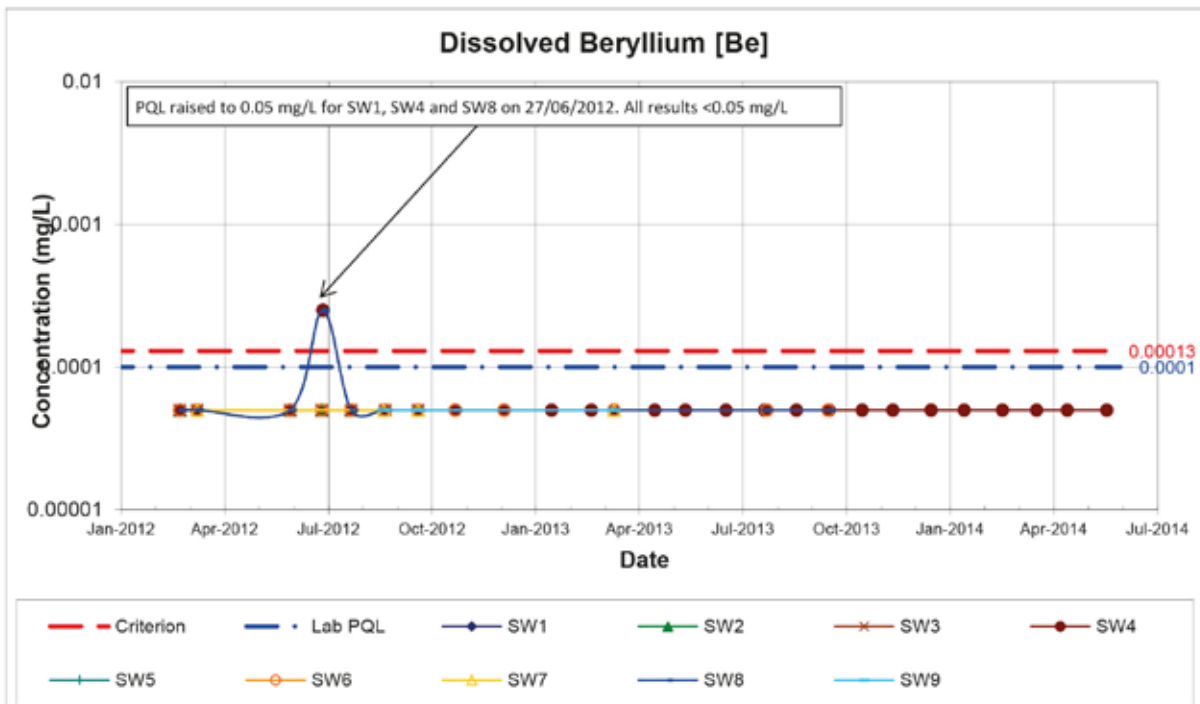
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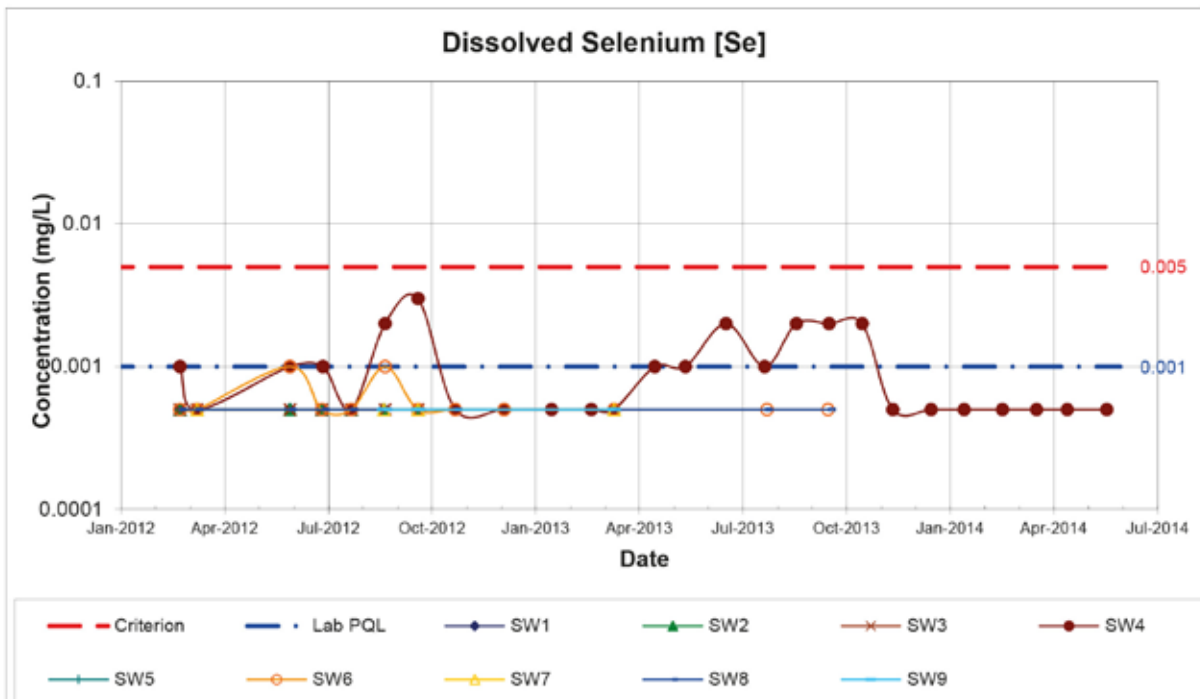
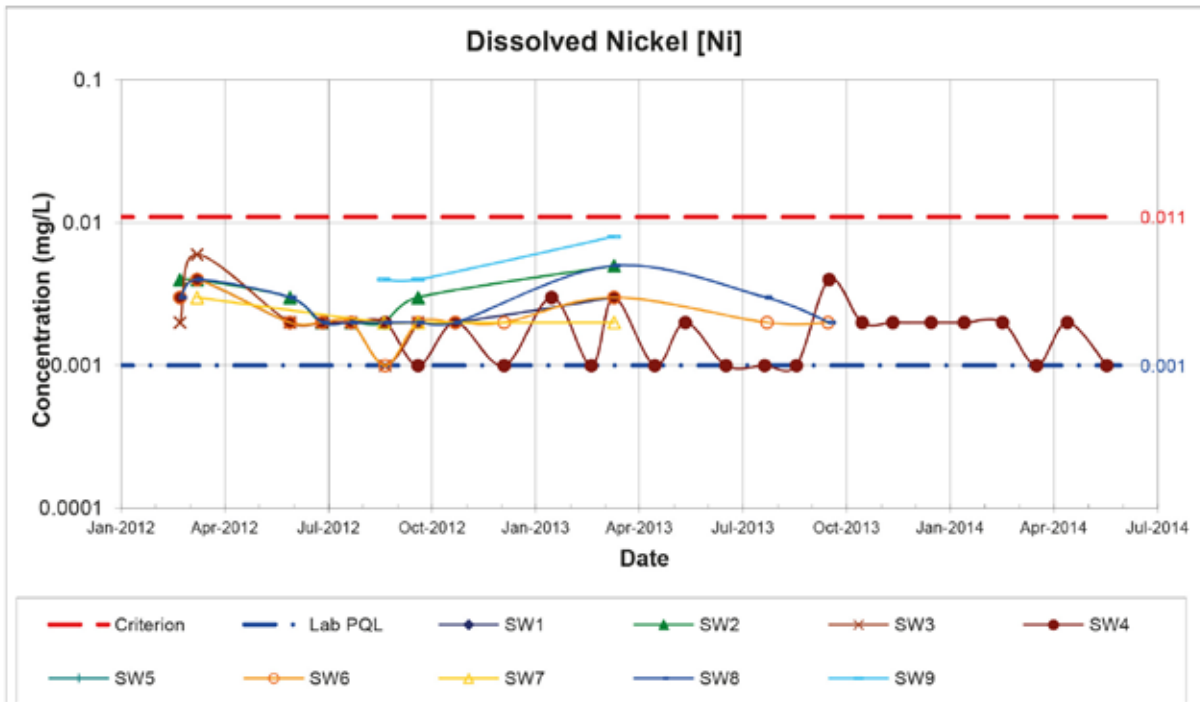
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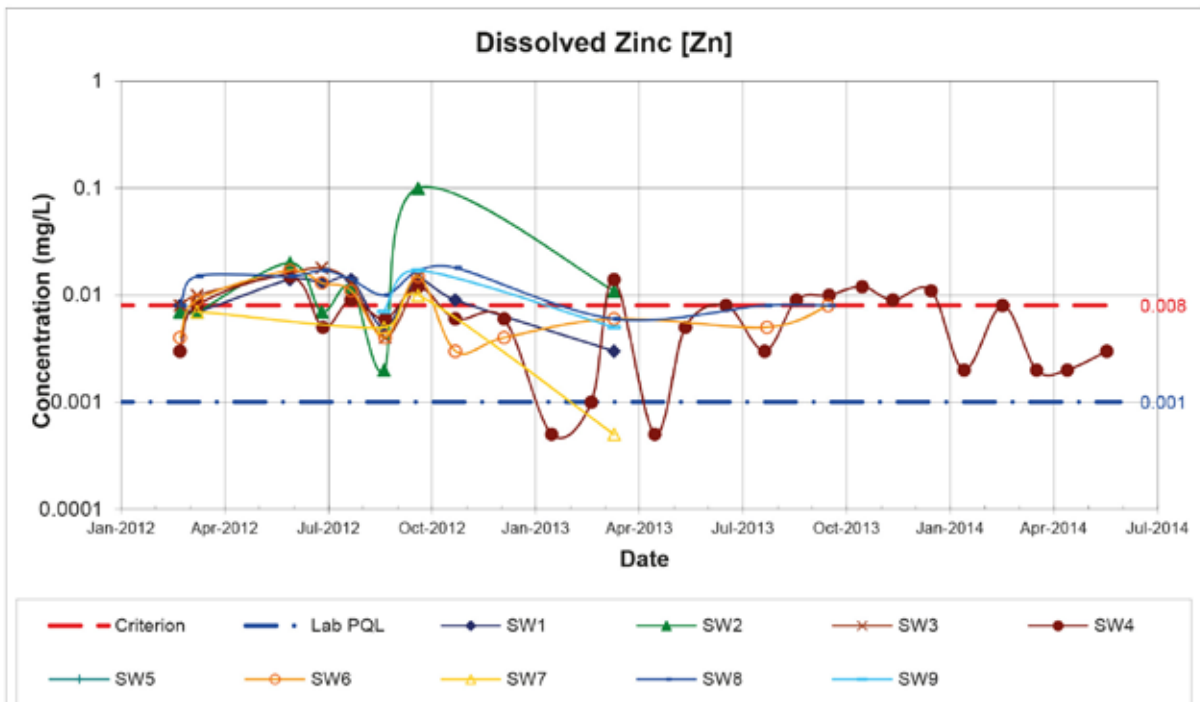
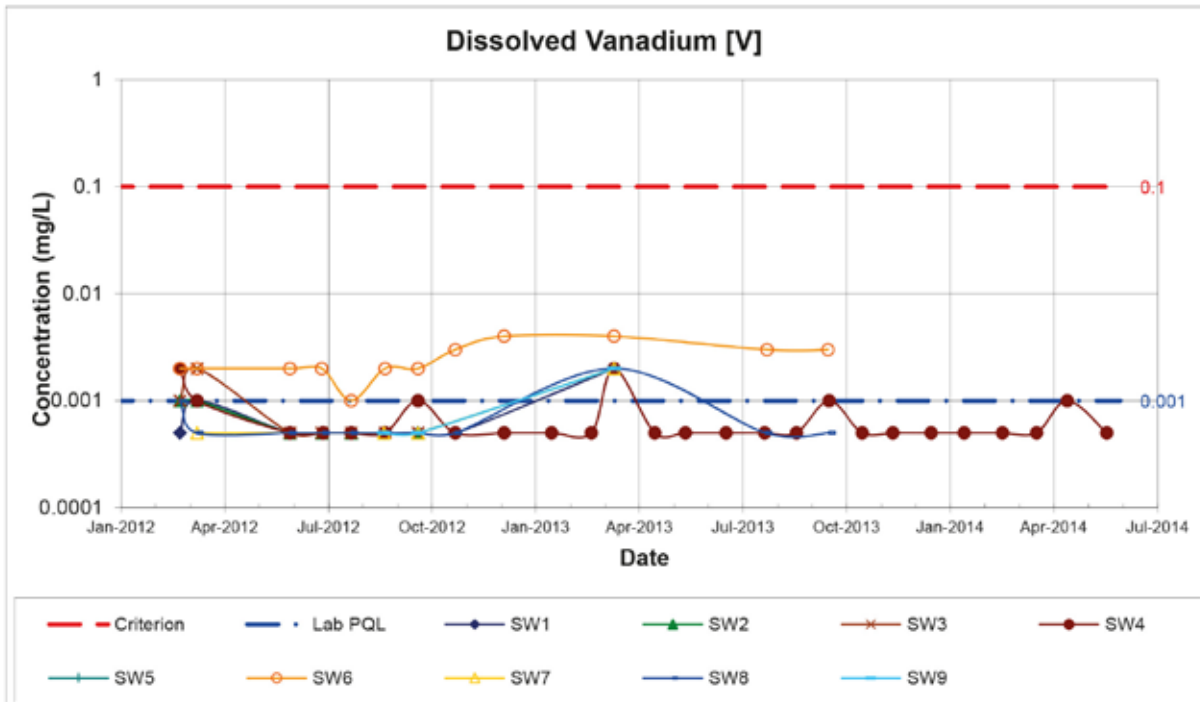
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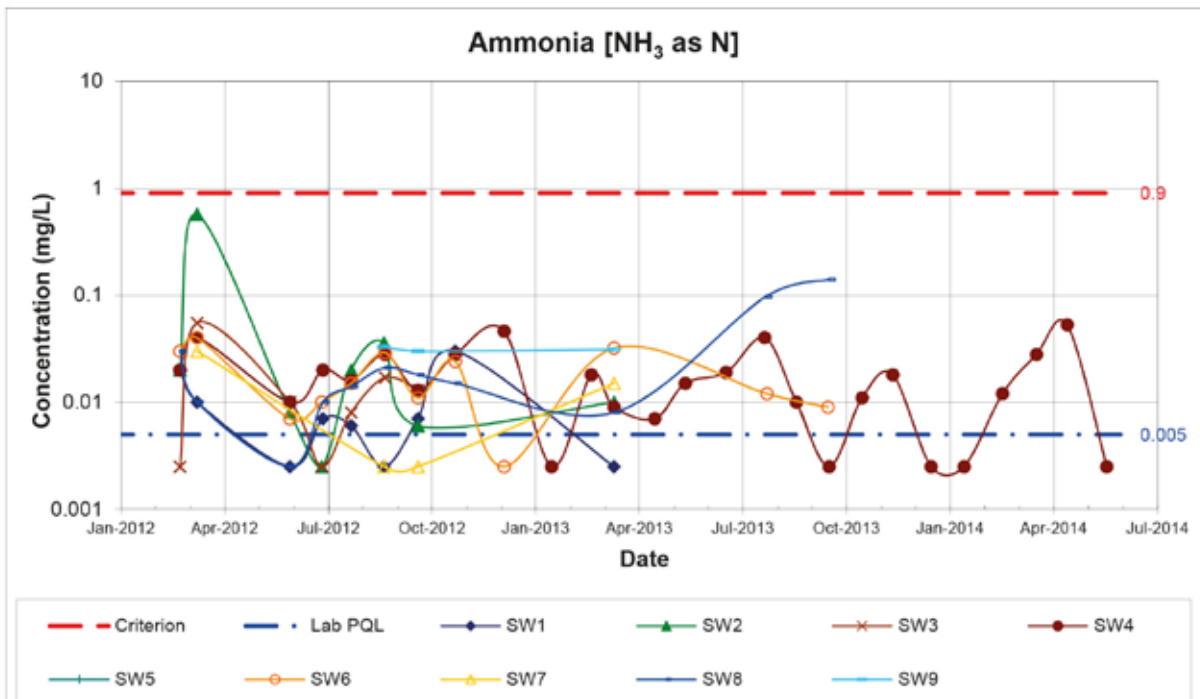
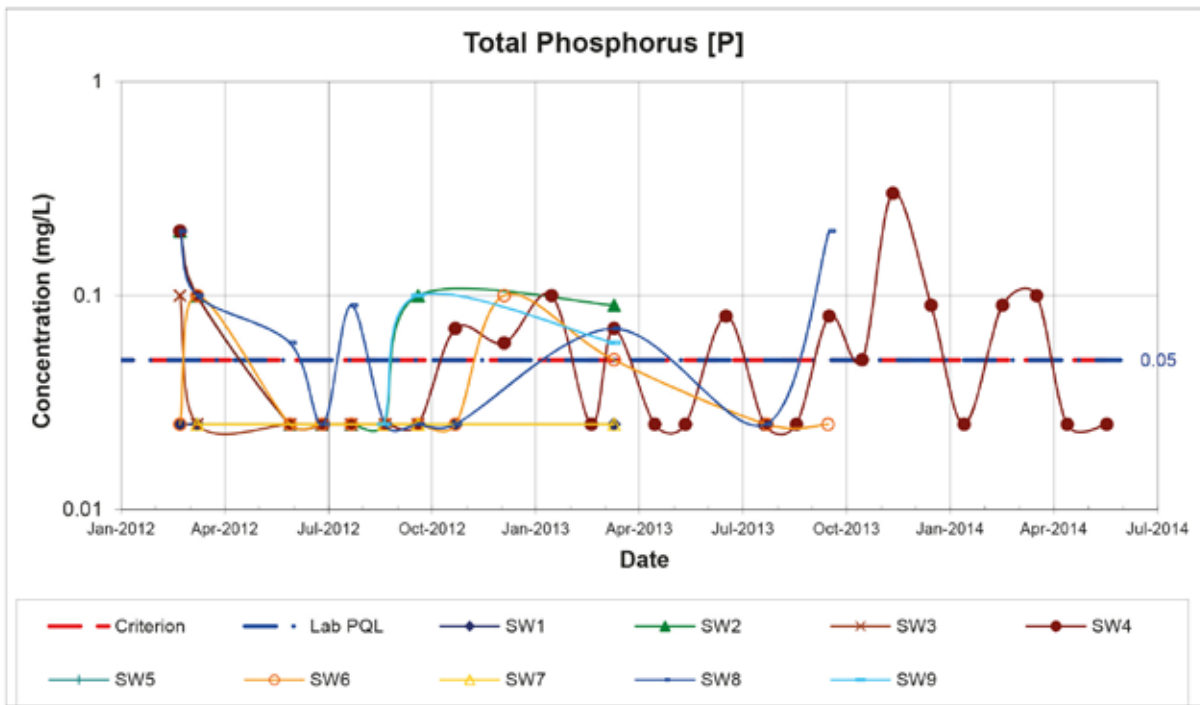
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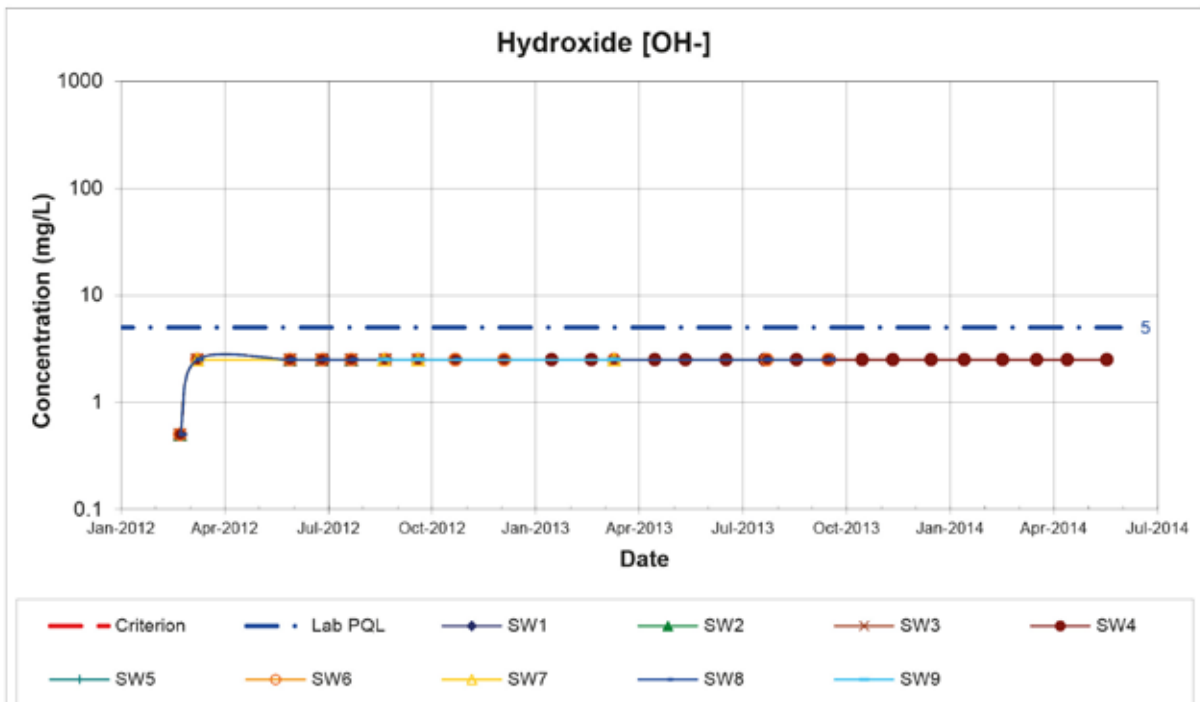
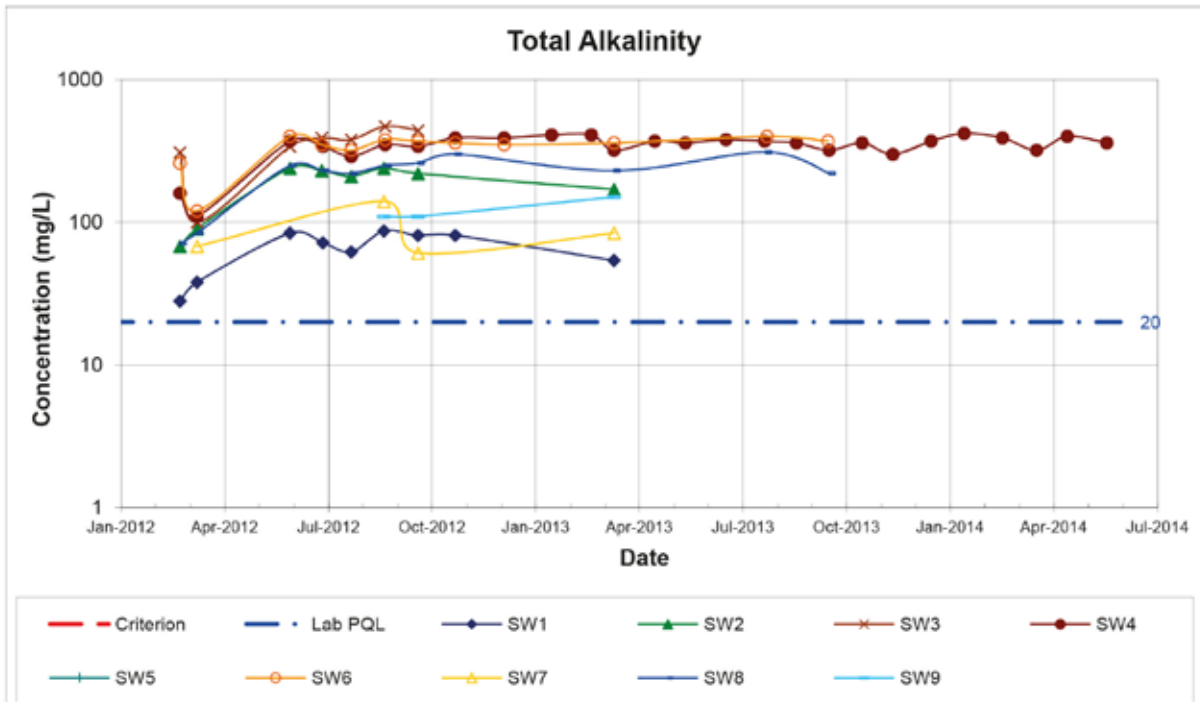
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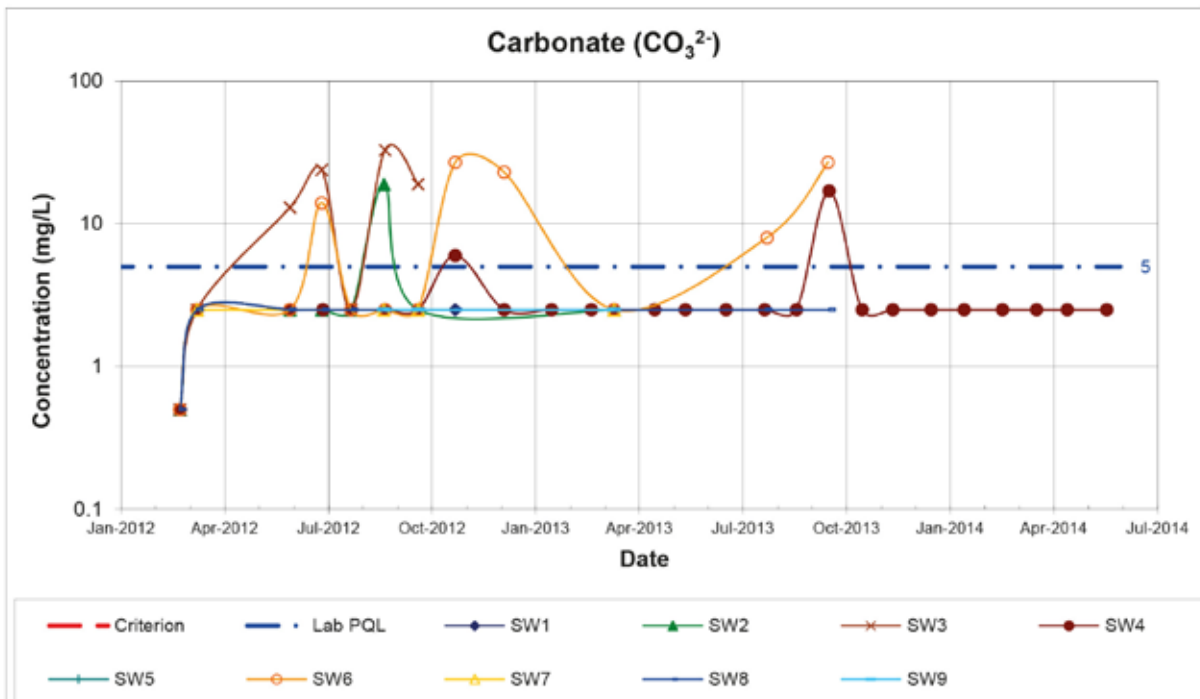
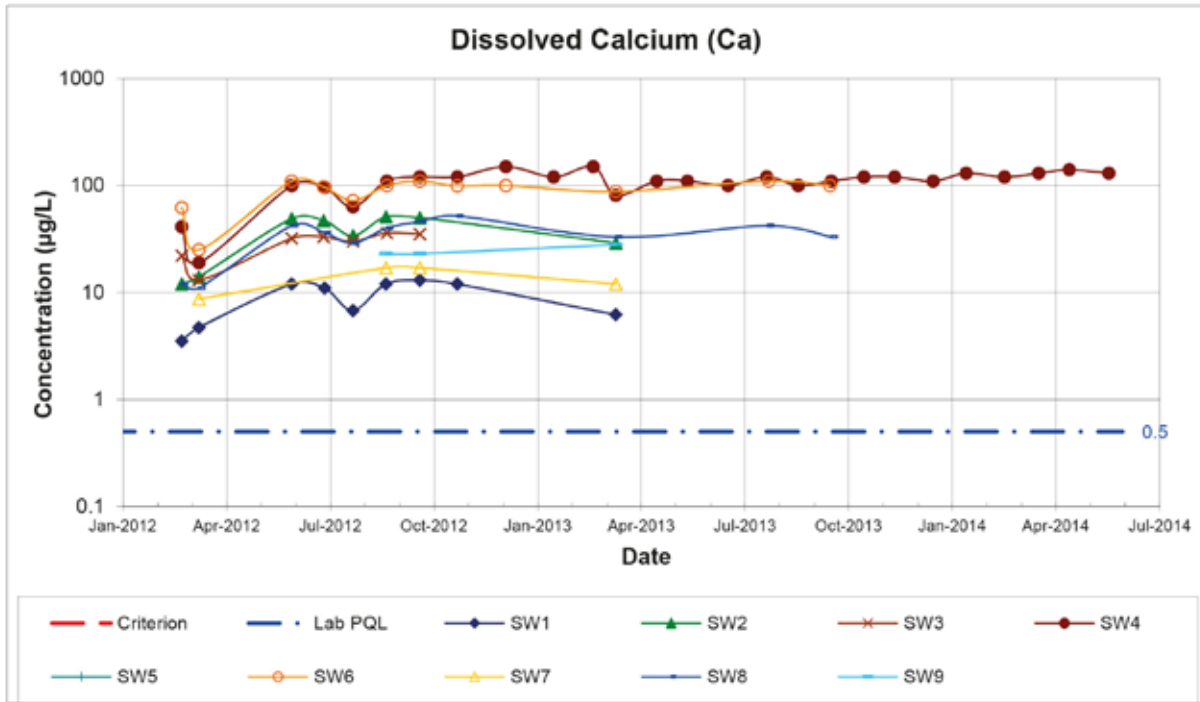
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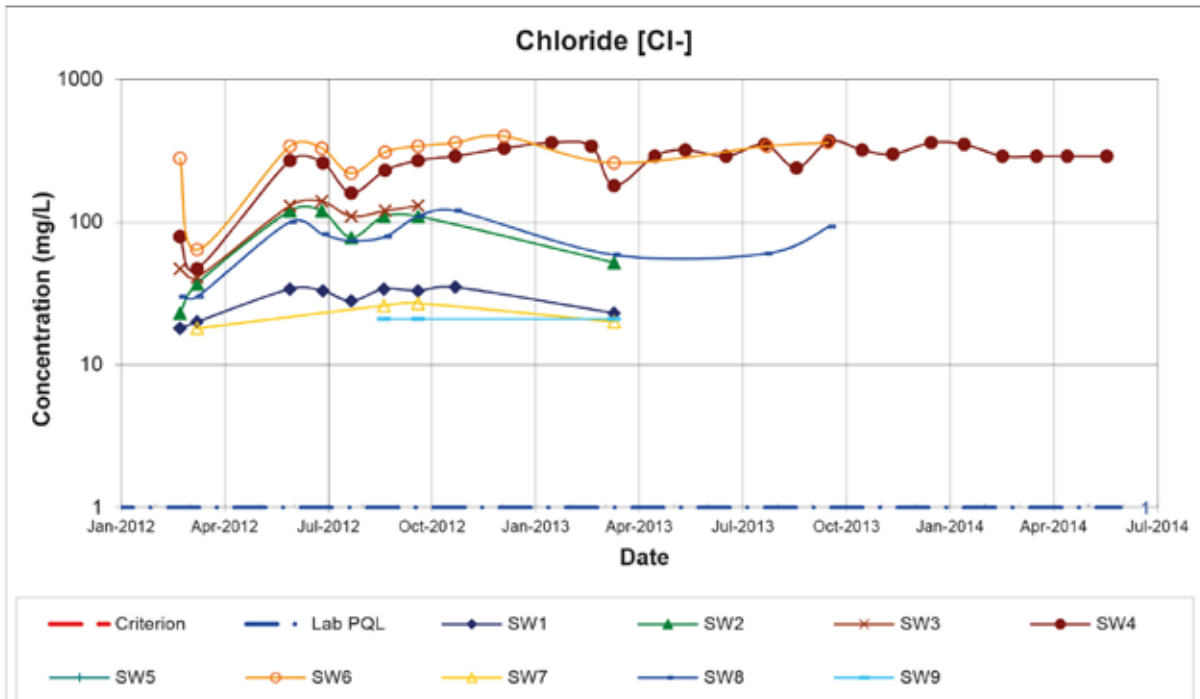
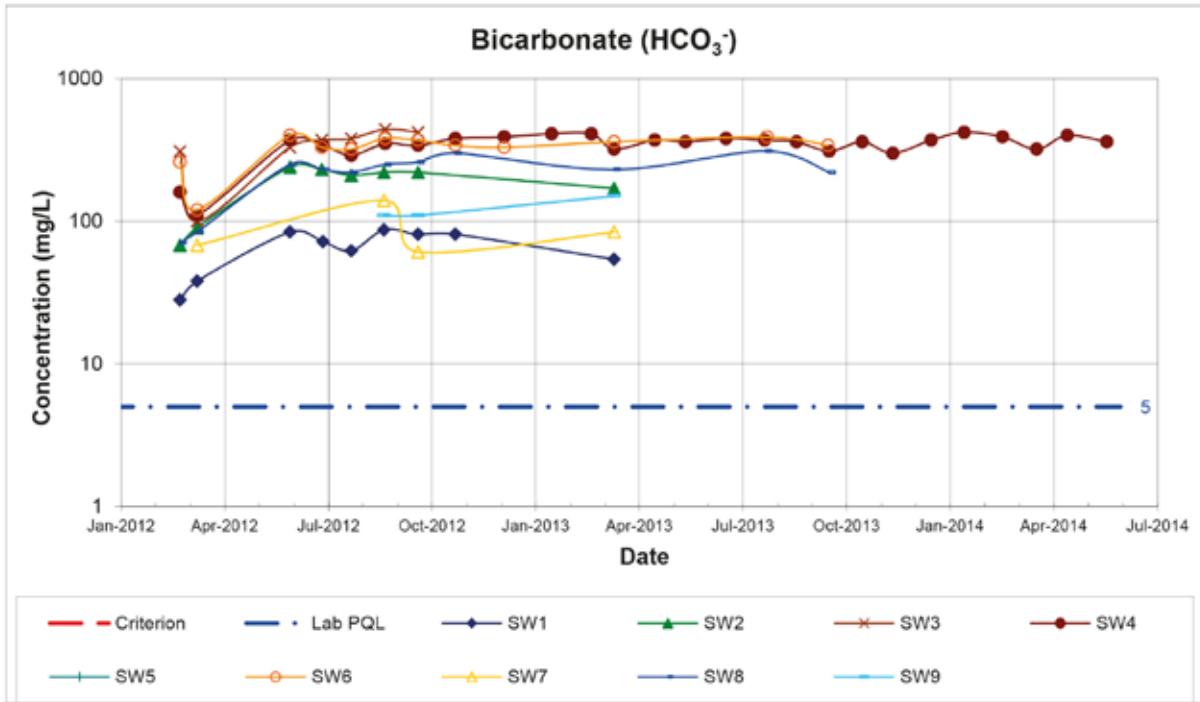
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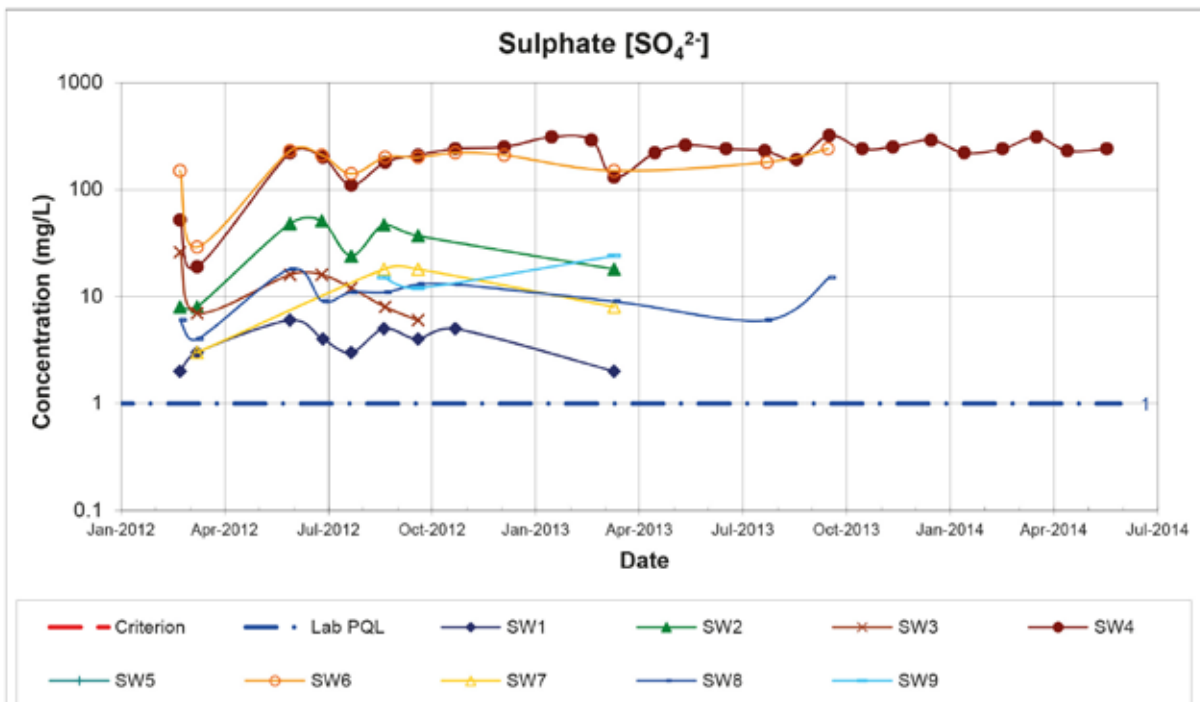
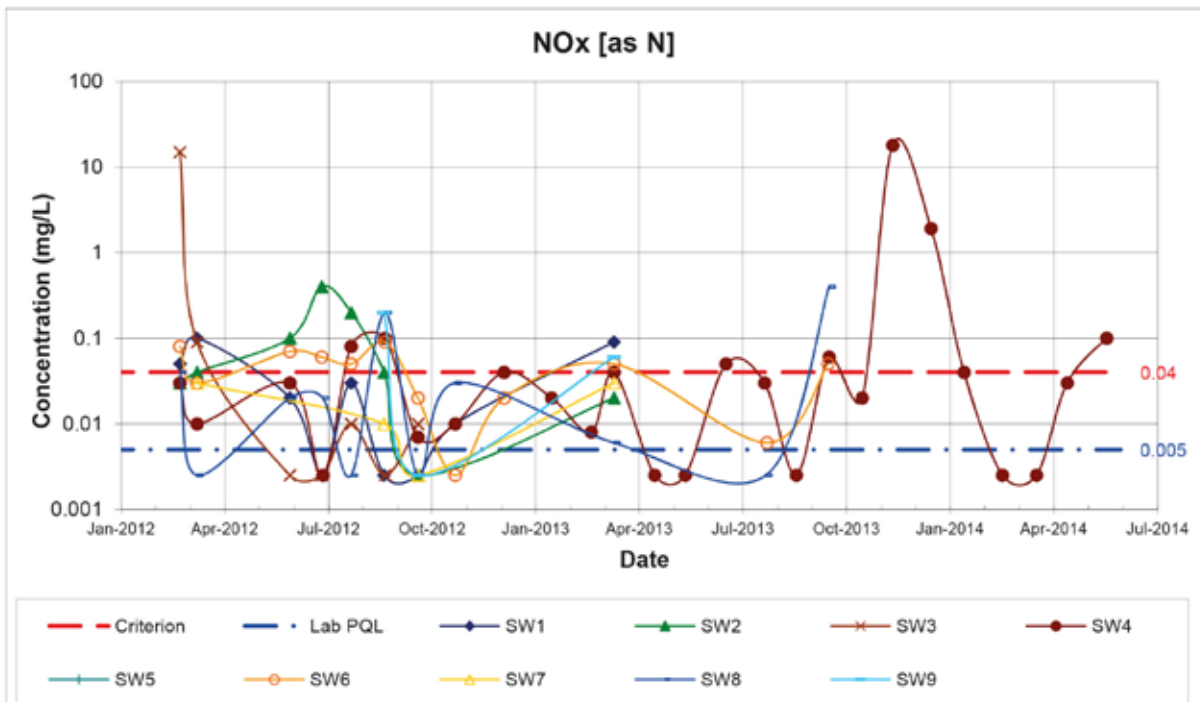
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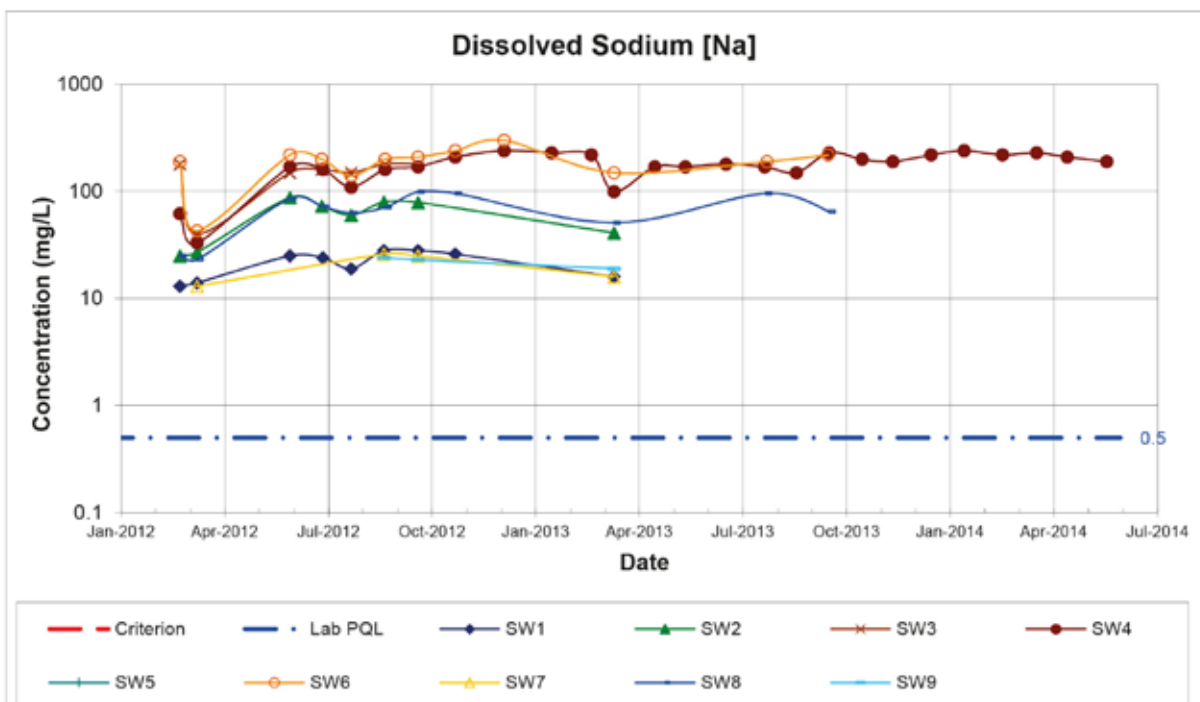
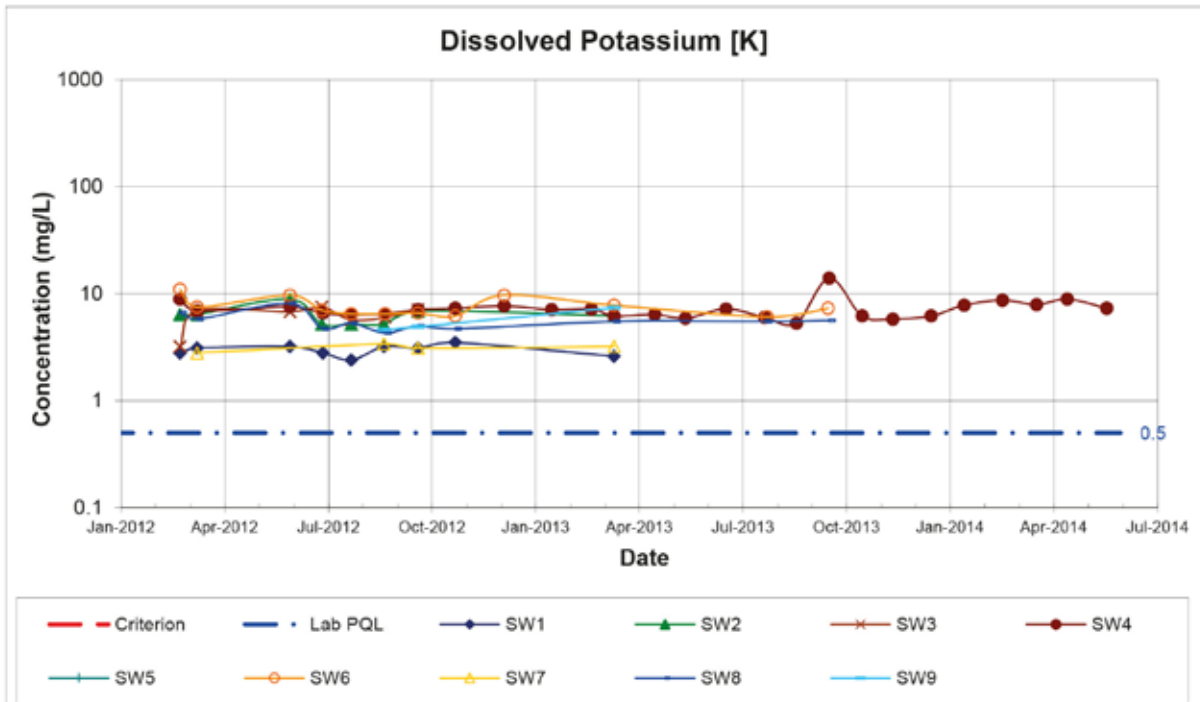
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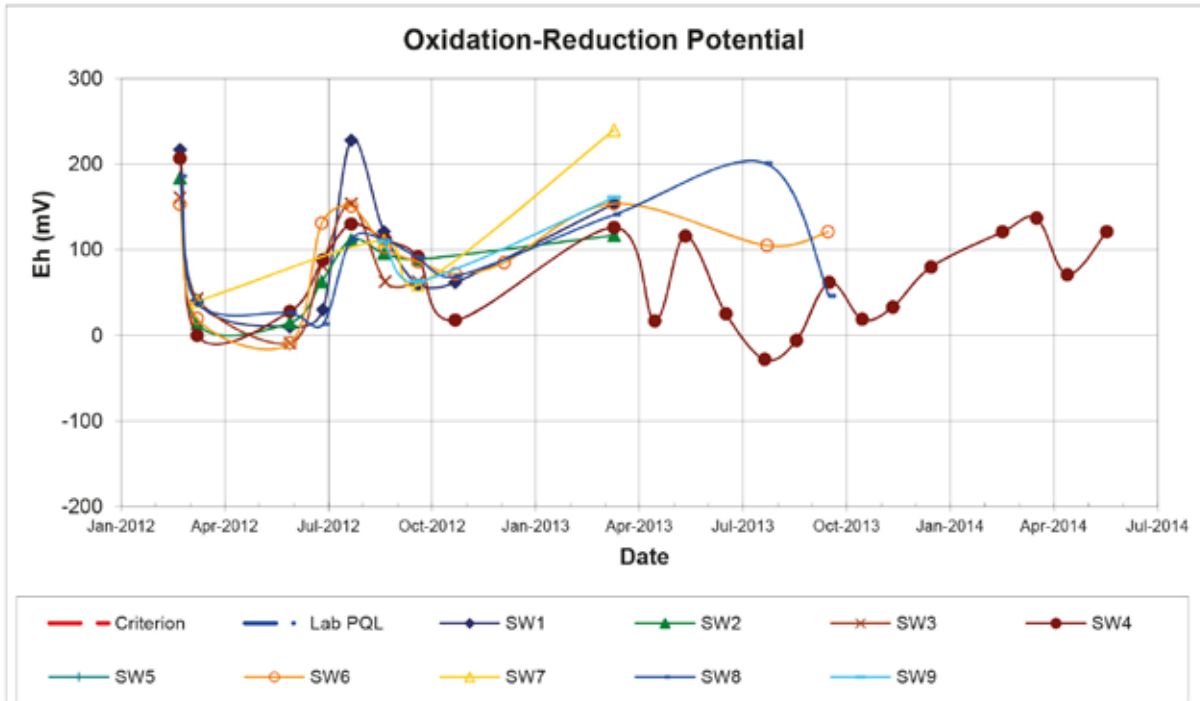
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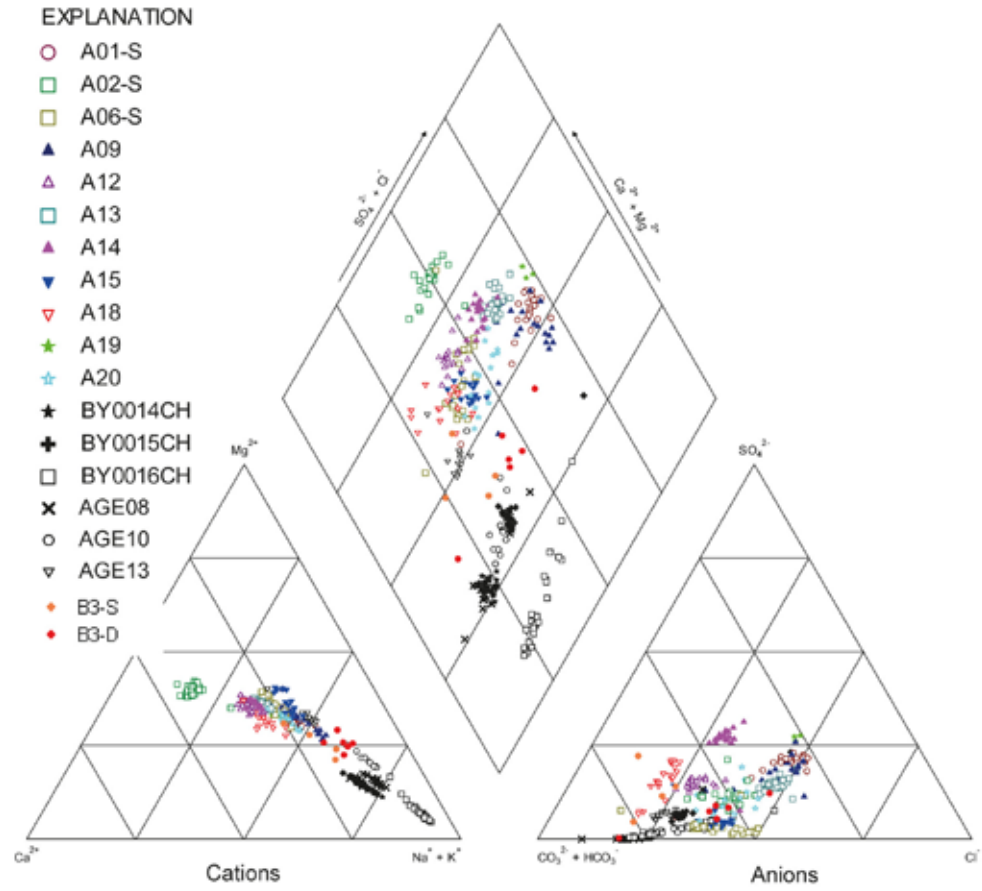


Figure 1: Tri-Linear Analysis – Groundwater



Groundwater and Surface Water Monitoring – February 2012 to May 2014	PROJECT: 49761.03
Proposed Coal Mine, Bylong, Mid-Western NSW	REV: 0
CLIENT: Cockatoo Coal Limited	DATE: 20-Jun-14

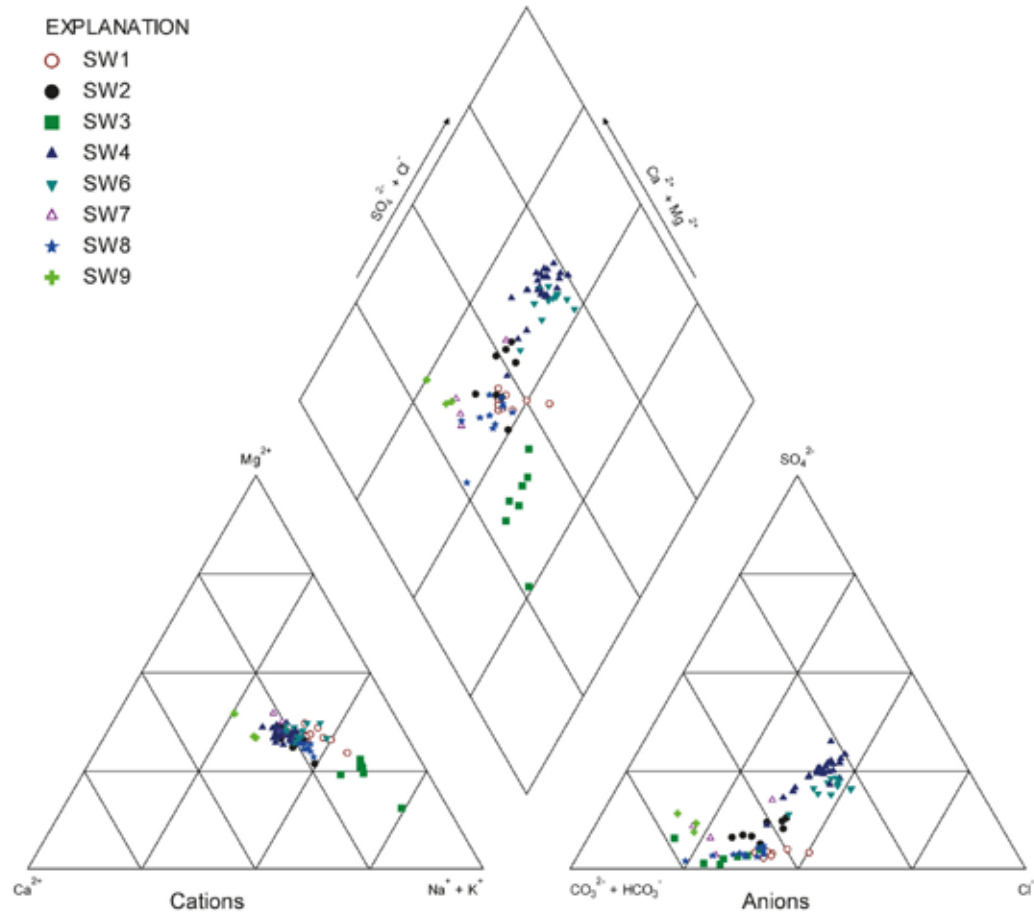


Figure 2: Tri-Linear Analysis – Surface Water



Groundwater and Surface Water Monitoring – February 2012 to May 2014

Proposed Coal Mine, Bylong, Mid-Western NSW

CLIENT: Cockatoo Coal Limited

PROJECT: 49761.03

REV: 0

DATE: 20-Jun-14

EXPLANATION

- ▲ Groundwater - Alluvium
- ★ Groundwater - Coal Measures
- Surface Water

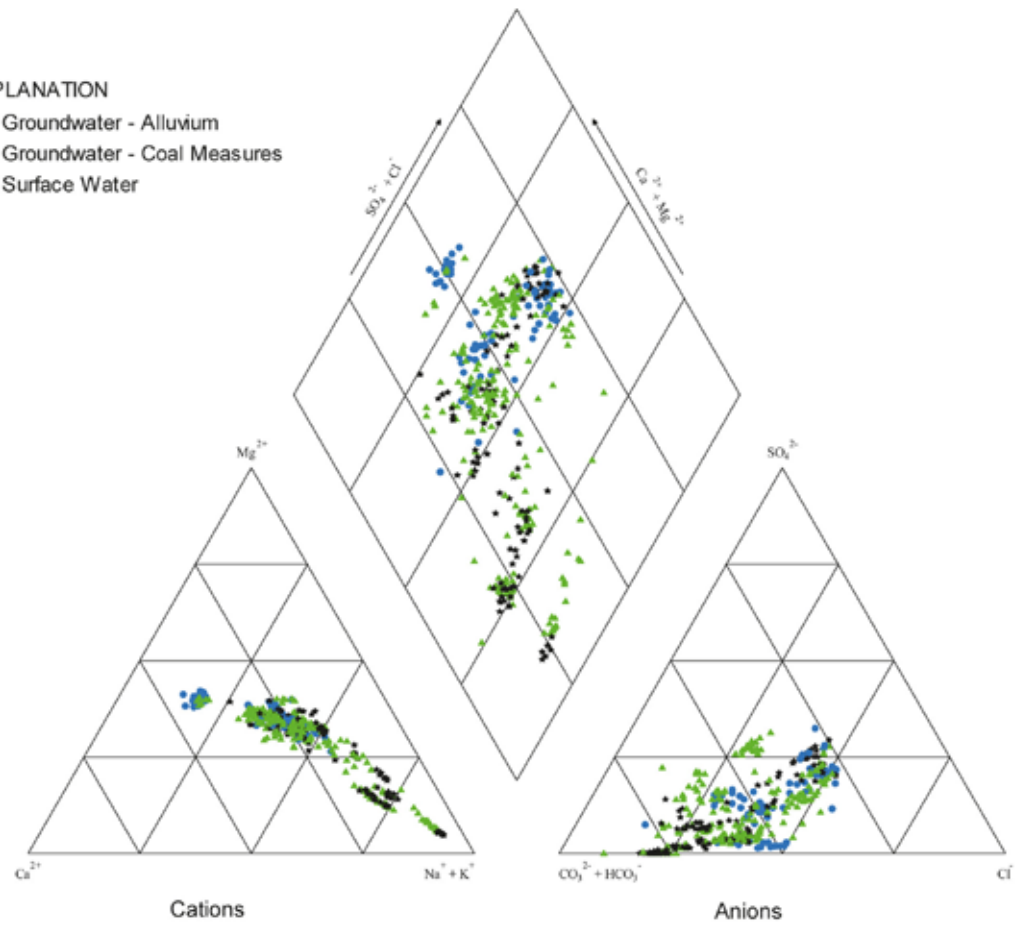


Figure 3: Tri-Linear Analysis – Groundwater and Surface Water