Figure 2.1
NARRABRI PROJECT
PIPER TRILINEAR DIAGRAM
Groundwater Quality Stage 1

Legend
- 0 - 500 mg/L TDS
- 500 - 1000 mg/L TDS
- 1000 - 2000 mg/L TDS
- 2000 - 3000 mg/L TDS
- 3000 - 5000 mg/L TDS
- 5000 + mg/L TDS

CATIONS
Ca + Mg

ANIONS
SO₄ + Cl
CO₃ + HCO₃

As Shown S28

Narrabri Coal Operations Pty Ltd
PJD 20 July 2009

GWB4S
GWB5S
NC 119D
NC 122
NC 123
NC 027
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Narrabri Coal Operations Pty Ltd

Locations of Piezometers and Registered Bores

Figure 3.1
NARRABRI PROJECT

GEOLOGY OF THE
BOGGABRI-NARRABRI AREA

Scale: 1:200,000
Author: MWD
Date: April 2009

Narraabri Coal Operations Pty Ltd

Geology of Boggabri - Narrabri Area

Figure 4.2
Date: 20 July 2009  Scale: As Shown
Initials: PZ  Job No: S28
Drawing No: S28-048b  Rev: A

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Groundwater Quality pH

Figure 4.8
Figure 4.9

Groundwater Quality Stage 2

Legend
- 0 - 500 mg/L TDS
- 500 - 1000 mg/L TDS
- 1000 - 2000 mg/L TDS
- 2000 - 3000 mg/L TDS
- 3000 - 5000 mg/L TDS
- 5000 + mg/L TDS

Piper Trilinear Diagram

NARRABRI PROJECT

Mayfield Spring (Purlawaugh Formation)

Pamboola Formation

Garawilla Volcanics

Hoskisson Seam/Arkarula Fm

Alluvium

Narrabri Coal Pty Ltd

CLIENT

Narrabri Coal Pty Ltd

PROJECT

NARRABRI PROJECT

DRAWN

PJD

DATE

20 August 2009

CHECKED

DATE

TITLE

PIPER TRILINEAR DIAGRAM

Groundwater Quality Stage 2

SCALE

A4

PROJECT NO.

S28

Figure 4.9
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**Location of Known Groundwater Springs**

![Map of Known Groundwater Springs](image_url)