APPARENT RESISTIVITY PROFILE & INTERPRETED STRATIGRAPHY
SECTION D-D (LINE 7)

AUSTRALIAN GROUNDWATER CONSULTANTS PTY LIMITED

Wildman River Water Source Investigation

APPARENT RESISTIVITY PROFILE

ELEVATION [m a.s.l.]

EAW SH-ST
EAW SH
EAW Q
EAW Q-S

APPARENT RESISTIVITY (OHM-METRES)

0000

6000mE
7000mE
8000mE
9000mE

50

-50

December 1986
Rev. 1253 / 12
Fig. 12
Wildman River Water Source Investigation

APPARENT RESISTIVITY PROFILE & INTERPRETED STRATIGRAPHY
SECTION P-F (LINE 10)

Drawn Date: December 1986
Checked Date: 1253/16

AUSTRALIAN GROUNDWATER CONSULTANTS PTY LIMITED

Page 10 of 58
LITHOLOGY INTERPRETED WIRELINE LOGS

- Gamma Ray
- Resisitance

BIT LOG

MEDIA LOG

WATER FLOW LOG

(Airlift Yield During Drilling)

CONSTRUCTION LOG (H Scale 1:10)

- Cement grout
- Backfill
- Gravel pack
- Plugs
- 150 mm HDPE sheet
- 229 mm hole

LEGEND

- Sand
- Clay
- Silt
- Conglomerate
- Laterite or iron cemented material
- Breccia
- Fractures- covilies
- Sandstone (fine) (course)
- Quartz vein
- Water intersected (no flow measured)
- Colony (utilized)
- Electrical Conductivity (pS/cm)
- Development
- Location

BORE RN 24 175

DEPARTMENT OF MINES AND ENERGY
(NORTHERN TERRITORY)
WATER RESOURCES DIVISION
WILDMAN RIVER
WATER SOURCE INVESTIGATION
COMPOSITE LOG

By Australian Groundwater Consultants Pty. Ltd.
Fig. No. 22
Page 16
Date December, 1985

Bore commenced: 1/6/85
Bore completed: 2/6/86
Total depth: 42.5m
Airlift yield on completion (L/sec): 1.5 L/sec

DEPARTMENTS OF MINES AND ENERGY
NORTHERN TERRITORY
WATER RESOURCES DIVISION
WILDMAN RIVER
WATER SOURCE INVESTIGATION
COMPOSITE LOG
BORE RN 24 175

By Australian Groundwater Consultants Pty. Ltd.
Fig. No. 22
Page 16
Date December, 1985

Bore commenced: 1/6/85
Bore completed: 2/6/86
Total depth: 42.5m
Airlift yield on completion (L/sec): 1.5 L/sec
LITHOLOGY INTERPRETED WIRELINE LOGS

LEGEND

- Sand
- Claystone shale
- Breccia
- Fractures-caverns
- Water intersected (no flow measured)
- Water
- Bore commenced: 5/11/85
- Bore completed: 17/11/85
- Total depth: 48.7 m, 42.0 m
- Airlift yield on completion (L/s): RN24177 - 0.5 L/s, RN24178 - 3 L/s
- Electrical conductivity (µS/cm) at development:
  - RN24177 - N/A
  - RN24178 - 70 µS/cm
- Location:

DEPARTMENT OF MINES AND ENERGY
(NORTHERN TERRITORY)
WATER RESOURCES DIVISION
WILDMAN RIVER
WATER SOURCE INVESTIGATION

COMPOSITE LOG
BORE RN24177
RN24178

by Australian Groundwater Consultants Pty. Ltd.
Fig. No. 24
Dwy, No. 1233 - 8
Date: December, 1985

Viewed at 15:07:58 on 29/07/2010
Technical Report WRD86077


LITHOLOGY INTERPRETED WIRELINE LOGS

--- Gamma Ray
----- Res,islance
BIT LOG
MEDIA LOG
WATER FLOW LOG (Airlift Yield During Drilling)
CONSTRUCTION LOG (H Scale 1:10)

DEPARTMENT OF MINES AND ENERGY
(NORTHERN TERRITORY)
WATER RESOURCES DIVISION
WILDMAN RIVER
WATER SOURCE INVESTIGATION

COMPOSITE LOG
BORE RN 24179

by Australian Groundwater Consultants Pty. Ltd.,
Fig. No. 25
Deg. No. 1253 - 9
Date December, 1985
**LEGEND**

- **Sand**
- **Claystone shales**
- **Siltstone**
- **Clay**
- **Silt**
- **Lolite or iron cemented material**
- **Quartzite**

**Water bore log**

- **Gamma Ray**
- **Resistivity**
- **Densi**

**Construction log**

- **100mm NB class U PVC (with end cap)**
- **229 mm hole**
- **Ope #1**
- **Cement grout (set backfill)**
- **Gravel pack**

**Electrical conductivity (µS/cm)**

- **1-250 µS/cm**
- **< 10 µS/cm**

**Water source investigation**

**Composite log**

**Bore RN24223**

**Location**

**Water resource division**

**Wildman River**

**Department of Mines and Energy (Northern Territory)**

**Figure No. 29**

**Drawing No. 253 - 13**

**Author** Australian Groundwater Consultants Pty. Ltd.

**Dated** December, 1985
LEGEND

- Sand
- Gravel
- Clay
- Silt
- Breccia
- Fractures - continuous
- Quartz vein
- Water intersected (no flow measured)

DEPARTMENT OF MINES AND ENERGY (NORTHERN TERRITORY)
WATER RESOURCES DIVISION
WILDMAN RIVER
WATER SOURCE INVESTIGATION

COMPOSITE LOG
BORE RN 24226

by Australian Groundwater Consultants Pty. Ltd.,
Fig. No. 31
Dwg. No. 1223-15
Date December, 1995.
**LITHOLOGY INTERPRETED LOG**

- Dolomite very well bedded (with no alternate)
- Dolomite very well bedded (with alternate)
- Dolomite very well bedded (with alternate)
- Dolomite very well bedded (with alternate)
- Dolomite very well bedded (with alternate)
- Dolomite very well bedded (with alternate)

**WIRELINE LOGS**

- Gamma Ray
- Resistivity

**BIT MEDIA LOG**

- Water flow log

**CONSTRUCTION LOG (H Scale 1:10)**

- Cement grout
- Gravel pack
- Cement grout
- Backfill
- Cement grout
- Gravel pack
- Cement grout
- Gravel pack
- Cement grout
- Backfill

**LEGEND**

- Sand
- Clayey silt
- Clayey siltstone
- Siltstone
- Sandstone (fine)
- Sandstone (course)
- Quartz vein
- Brecia
- Dolomite (skilled)
- Water intersected (no flow measured)
- Water intersected (flow measured)
- Electrical conductivity (pS/cm)

**DEPARTMENT OF MINES AND ENERGY**

**WATER RESOURCES DIVISION**

**WILDMAN RIVER**

**WATER SOURCE INVESTIGATION**

**COMPOSITE LOG**

**BORE RN 24228**

**by Australian groundwater Consultants Pty. Ltd.**

**Fig No. 33**

**Dwg No. 1253 - 17**

**Data December, 1985**
LITHOLOGY INTERPRETED WIRELINE LOGS

BIT MEDIA WATER FLOW LOG CONSTRUCTION LOG (H Scale 1:10)

1. Electric/Nuclear logs not functioning

LEGEND
Sand Claystone Shale Siltstone Sandstone (fine) Sandstone (course) Conglomerate Breccia Fractures cavities Quartz vein Water intersected (no flow measured)

DEPARTMENT OF MINES AND ENERGY (NORTHERN TERRITORY) WATER RESOURCES DIVISION WILDMAN RIVER WATER SOURCE INVESTIGATION COMPOSITE LOG BORE RN24229

by Australian Groundwater Consultants Pty. Ltd.
Fig. No. 34
Dwg. No. 055 - 48
Date December 1985

Data commenced: 11-12-85
Data completed: 12-12-85
Total depth: 75 m
Airlift yield at completion (L/s): #1 = 6.5 L/s
#2 = 6.5 L/s

Electrical conductivity (pS/cm): #1 = 55 pS/cm
#2 = 55 pS/cm

Electromagnetic log: #1 = 55 pS/cm
#2 = 55 pS/cm
DEPARTMENT OF MINES AND ENERGY
(WESTERN AUSTRALIA)
WATER RESOURCES DIVISION
WILD MAN RIVER
WATER SOURCE INVESTIGATION
COMPOSITE LOG
BORE RN 24590
by Australian Groundwater Consultants Pty. Ltd.
Fig. No. 35
Date: September, 1986

LEGEND
- Sand
- Claystone #
- Siltstone
- Silt
- Clayey sandstone
- Conglomerate
- Laterite or Iron cemented material
- Breccia
- Granite
- Fractures - cavities
- Quartz vein
- Water intersected (no flow measured)

Bore commenced: 12-6-86
Bore completed: 14-6-86
Total depth: 62m
Airlift yield on completion (L/s): 4L/s
Electrical conductivity (pS/cm) of development: 25
Location: Line 7, 12.050mE

Temporary 200mm ERW steel
200mm ERW steel
100mm Class 9 PVC
with end cap
200mm hole
200mm hole
8m
100mm Class 9 PVC

TOOL DEPTH 62m
AIRLIFF YIELD DURING DrilINg
20 TO 40 (L/s)
Electrical conductivity (pS/cm) of development: 25

Location: Line 7, 12.050mE
DEPARTMENT OF MINES AND ENERGY (NORTHERN TERRITORY)
WATER RESOURCES DIVISION
WILDMAN RIVER
WATER SOURCE INVESTIGATION
COMPOSITE LOG
BORE RN24593
by Australian Groundwater Consultants Pty. Ltd.
Fig. No. 38
Dwq. No. 1253 - 51
Dated September 11, 1986

Logger not available

DEPARTMENT OF MINES AND ENERGY (NORTHERN TERRITORY)
WATER RESOURCES DIVISION
WILDMAN RIVER
WATER SOURCE INVESTIGATION
COMPOSITE LOG
BORE RN24593
by Australian Groundwater Consultants Pty. Ltd.
Fig. No. 38
Dwq. No. 1253 - 51
Dated September 11, 1986

Logger not available
LITHOLOGY INTERPRETED LOG

WIREFORM LOGS

Gamma Ray

Resistmce

BIT LOG

MEDIA LOG

WATER FLOW LOG

CONSTRUCTION LOG (H Scale 1:10)

(Airlift Yield During Drilling)

0 - 200mm NB ERW steel

200mm bore

LEGEND

Sand

Claystone shale

Breccia

Grovel

Gritstone

Fractures - cavities

Clay

Sandstone (fine)

Water intersected (no flow measured)

Silt

Coal

Conglomerate

Quartzite

Quartz

Logger not available

DEPARTMENT OF MINES AND ENERGY
WATER RESOURCES DIVISION
WILDMAN RIVER
WATER SOURCE INVESTIGATION

COMPOSITE LOG
BORE RN24597

by Australian Groundwater Consultants Pty. Ltd.

Fig No. 42

Dwg No. 1253 - 56

Date September, 1986
**LEGEND**

- Sand
- Claystone
- Silty sandstone
- Concretion
- Breccia
- Fault
- Water intersected (no flow measured)
- Water intersected
- Broolkite
- Laterite or iron cemented material
- Limestone
- Gypsum
- Siltstone
- Claystone
- Breccia
- Siltstone
- Mudstone
- Sandstone (coarse)
- Conglomerate
- Fracture - cavities
- Quartz vein
- Dolomite
- Breccia
- Fissure - cavities
- Quartz vein
- Water intersected

**DEPARTMENT OF MINES AND ENERGY**
**WATER RESOURCES DIVISION**
**WILDMAN RIVER**
**WATER SOURCE INVESTIGATION**

**COMPOSITE LOG**
**BORE RN24598**

by Australian Groundwater Consultants Pty. Ltd.

Fig. No. 43

Dwg. No. 1253-56

Date: September 1986

---

**LITHOLOGY INTERPRETED WIRELINE LOGS**

- Gamma Ray
- Resisance

**BIT MEDIA LOG**

**WATER FLOW LOG**

(Air lift yield during drilling)

**CONSTRUCTION LOG**

(H Scale 1:10)

Cement grout

200mm NB ERN coping

200mm hole

100mm NB Class 9 PVC with end cap

---

**DEPARTMENT OF MINES AND ENERGY**
**WATER RESOURCES DIVISION**
**WILDMAN RIVER**
**WATER SOURCE INVESTIGATION**

**COMPOSITE LOG**
**BORE RN24598**

by Australian Groundwater Consultants Pty. Ltd.

Fig. No. 43

Dwg. No. 1253-56

Date: September 1986

---

**LITHOLOGY INTERPRETED WIRELINE LOGS**

- Gamma Ray
- Resisance

**BIT MEDIA LOG**

**WATER FLOW LOG**

(Air lift yield during drilling)

**CONSTRUCTION LOG**

(H Scale 1:10)

Cement grout

200mm NB ERN coping

200mm hole

100mm NB Class 9 PVC with end cap

---

**DEPARTMENT OF MINES AND ENERGY**
**WATER RESOURCES DIVISION**
**WILDMAN RIVER**
**WATER SOURCE INVESTIGATION**

**COMPOSITE LOG**
**BORE RN24598**

by Australian Groundwater Consultants Pty. Ltd.

Fig. No. 43

Dwg. No. 1253-56

Date: September 1986

---

**LITHOLOGY INTERPRETED WIRELINE LOGS**

- Gamma Ray
- Resisance

**BIT MEDIA LOG**

**WATER FLOW LOG**

(Air lift yield during drilling)

**CONSTRUCTION LOG**

(H Scale 1:10)

Cement grout

200mm NB ERN coping

200mm hole

100mm NB Class 9 PVC with end cap

---

**DEPARTMENT OF MINES AND ENERGY**
**WATER RESOURCES DIVISION**
**WILDMAN RIVER**
**WATER SOURCE INVESTIGATION**

**COMPOSITE LOG**
**BORE RN24598**

by Australian Groundwater Consultants Pty. Ltd.

Fig. No. 43

Dwg. No. 1253-56

Date: September 1986

---

**LITHOLOGY INTERPRETED WIRELINE LOGS**

- Gamma Ray
- Resisance

**BIT MEDIA LOG**

**WATER FLOW LOG**

(Air lift yield during drilling)

**CONSTRUCTION LOG**

(H Scale 1:10)

Cement grout

200mm NB ERN coping

200mm hole

100mm NB Class 9 PVC with end cap

---

**DEPARTMENT OF MINES AND ENERGY**
**WATER RESOURCES DIVISION**
**WILDMAN RIVER**
**WATER SOURCE INVESTIGATION**

**COMPOSITE LOG**
**BORE RN24598**

by Australian Groundwater Consultants Pty. Ltd.

Fig. No. 43

Dwg. No. 1253-56

Date: September 1986
LITHOLOGY INTERPRETED  WIRELINE LOGS  RIT MEDIA  WATER FLOW LOG  CONSTRUCTION LOG (H Scale 1:10)

LOG  LOG  LOG  LOG  LOG

Gamma Roy  Resistence  Resistence  Resistence  Resistence

Top  Top  Top  Top  Top

LEGEN

**Technical Report WRD86077**


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### Lithology Interpreted Log

- Sandstone - pink and grey
- Sandstone - coarse
- Sandstone - clayey

**WIRELINE LOGS**

- Gamma Ray
- Resistivity
- Density (g.cm⁻³)

**BIT LOG**

- 250mm button hammer
- 250mm bit

**MEDIA LOG**

- Mod. water
- Mod. gas

**WATER FLOW LOG**

- Air lift yield during drilling

**CONSTRUCTION LOG (H Scale 1:10)**

- 200mm NB ERW steel
- 280mm hole
- 100mm Class 9 PVC with end cap

---

### Composite Log

**Bore RN24661**

- Log No. 45
- Q. No. 1253 - 59
- Dept. SPultz, Goulburn, NSW
- 1986

- DEPARTMENT OF MINES AND ENERGY
  - (NORTHERN TERRITORY)
- WATER RESOURCES DIVISION
- WILDMAN RIVER
- WATER SOURCE INVESTIGATION

**LEGEND**

- Sand
- Claystone shale
- Broccia
- Bore commenced: 10-7-86
- Bore completed: 18-7-86

- Gravel
- Siltstone
- Fractures - cavities
- Total depth: 100m

- Clay
- Sandstone (fine)
- Quartz vein
- Air lift yield on completion (l/s): 10L/s

- Silt
- Conglomerate
- Dolomite
- Water intersected (no flow measured)

- Limestone or iron cemented material
- Dacite
- Electrical conductivity (µS/cm) of development

**DEPARTMENT OF MINES AND ENERGY**

**NORTHERN TERRITORY**

**WATER RESOURCES DIVISION**

**WILDMAN RIVER**

**WATER SOURCE INVESTIGATION**

**COMPOSITE LOG**

**BORE RN24661**

by Austroconsult Consulting Pty. Ltd.

- Fig No. 45
- Dept. No. 1253 - 59
- Date: September 1986

---

Logged through 100mm casing at 5-6-86

Up to 50 L/s from base of sand

150mm hole

DEPARTMENT OF MINES AND ENERGY
WATER RESOURCES DIVISION
WILDMAN RIVER
WATER SOURCE INVESTIGATION

Location: Line 7, 3275m E
LITHOLOGY INTERPRETED WIRELINE LOGS

- Gamma Ray
- Sonic Velocity
- Resistivity
- Density
- Neutron Porosity
- Density Porosity
- Gamma-Gamma

Wireline logs show variation in rock types and properties along the borehole.

WATER FLOW LOG

- Air Lift Yield During Drilling

The air lift yield was measured during drilling operations.

CONSTRUCTION LOG (H Scale 1:10)

- Cement Grout
- 200mm NB ERW steel
- 250mm hole
- 90mm NB Class 9 PVC with end cap
- 200mm hole
- Gravel pack

LEGEND

- Sand
- Claystone Whole
- Breccia
- Grovel
- Siltstone
- Frothstone (fine)
- Conglomerate
- Sandstone (course)
- Quartz vein

The legend provides symbols for different rock types and features.

DEPARTMENT OF MINES AND ENERGY (NORTHERN TERRITORY)
WATER RESOURCES DIVISION
WILDMAN RIVER
WATER SOURCE INVESTIGATION

COMPOSITE LOG
BORE RN24662

- Bore commenced: 28-7-86
- Bore completed: 30-7-86
- Total depth: 96m
- Air lift yield on completion (L/s): 5 L/s
- Electrical conductivity (µS/cm) of development
- Water intersected (no flow measured)
- Location: Line 9, 550mE

Azure Groundwater Consultants Pty. Ltd.
Fig. No. G4
Deg. No. D233-60
Date: September, 1986
Technical Report WRD86077

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LITHOLOGY INTERPRETED WIRELINE LOGS
- Gamma Roy
- Resisitance (p.o.s.)

WATER FLOW LOG
(Airlift Yield During Drilling)

CONSTRUCTION LOG (H Scale 1:10)

Legend:
- Sand
- Claystone + shale
- Breccia
- Fractures + cavelies
- Quartz vein
- Water intersected (no flow measured)
- Laterite or iron cemented material
- Water source investigation

DEPARTMENT OF MINES AND ENERGY
(NORTHERN TERRITORY)
WATER RESOURCES DIVISION
WILDMAN RIVER
WATER SOURCE INVESTIGATION

COMPOSITE LOG
BORE RN24664

by Australian Groundwater Consultants Pty. Ltd.
Fig. No. 48
Dwg. No. 8253-62
Date September, 1996

Bore commenced: 1-8-96
Bore completed: 6-9-96
Total depth: 109m
Airlift yield on completion (L/sec): 5 L/sec
Specific conductivity (μS/cm) of development
Location: Line 9, 3300 mE

Logger not available

Depth (meters)
LITHOLOGY INTERPRETED WIRELINE LOGS --- Gamma Ray
BIT MEDIA WATER FLOW LOG CONSTRUCTION LOG (H Scale 1'10)

Electrical conductivity (uS/m) of development

Depth (meters)

LEGEND

Siltstone
Conglomerate
Sandstone
Breccia
Fractures
Other

L. 109m
Depth 109m

Bore commenced 1-8-86
Bore completed 6-8-86
Tested depth 109m
Artificial yield on completion (L/I):

9.0 L/m

Water flow log

MAP OF AREA

WATER RESOURCES DIVISION
WILDMAN RIVER
WATER SOURCE INVESTIGATION

by Australian Groundwater Consultants Pty. Ltd

Bore RN24664 CONT.

DEPARTMENT OF MINES AND ENERGY
NORTHERN TERRITORY

Fig. No. 49

DWJ No. 1253

Dot Sep., 1985
LEGEND

- Sand
- Claystone
- Breccia
- Fractures, cavities
- Quartz vein
- Dolomite
- Water intersected (no flow measured)
- Electrical conductivity (>3/cm)

- Gravel
- Siltstone
- Sandstone (fine) (coarse)
- Conglomerate
- Gravel pack
- Water flow
- Mud rotary
- Air peristyle
- Total depth
- Airlift yield on completion (L/s)
- Water intersected
- Electrical conductivity (>3/cm)
- Development
- Cement grout
- Hole size

LITHOLOGY INTERPRETED LOG
WIRELINE LOGS
BIT LOG
MEDIA LOG
WATER FLOW LOG
CONSTRUCTION LOG (H Scale 1:10)

DEPARTMENT OF MINES AND ENERGY (NORTHERN TERRITORY)
WATER RESOURCES DIVISION
WILDMAN RIVER
WATER SOURCE INVESTIGATION

COMPOSITE LOG
BORE RN24665

by Australian Groundwater Consultants Pty. Ltd.
Fig. No. 50
Dwg. No. 1253 - 041
Date September '86
Location: Line E, 6650 mE.
LEGEND

- Sand
- Gravel
- Siltstone
- Clay
- Grit
- Conglomerate
- Laterite or iron cemented material
- Breccia
- Fractures - cavities
- Quartz vein
- Dolomite
- Resistivity (in 
  Ω•m)
- Water intersected
  (no flow measured)

DEPARTMENT OF MINES AND ENERGY
(NORTHERN TERRITORY)
WATER RESOURCES DIVISION
WILDMAN RIVER
WATER SOURCE INVESTIGATION
COMPOSITE LOG
BORE RN24666

by Australian Groundwater Consultants Pty. Ltd.
Fig. No. 51
Deg. No. 153 - 65
Date: September, 1986

Date commenced: 9-8-86
Bore completed: 2-10-86
Total depth: 135.5 m
Airlift yield on completion: 1.1 c.f.s.

Lithology interpreted wireline logs
Gamma Ray
Bit Media
Water Flow Log
(Airlift Yield during Drilling)

Construction Log (H Scale 1:10)
LEGEND

- Sand
- Claystone shale
- Siltstone
- Clay
- Silty sandstone (fine)
- Conglomerate
- Laterite or iron cemented material
- Quartzite
- Breccia
- Fractures-coalites
- Quartz vein
- Dolomite
- Water intersected (no flow measured)
- Airlift yield on completion (L/s):
  - 16.0
  - 0.0
  - 0.6

DATA
- Date commenced: 16.09.86
- Date completed: 16.09.86
- Total depth: 96m
- Airlift yield on completion (L/s):
  - 16.0
  - 0.0

LOCATION
- Grovel pack
- Laterite or iron cemented material
- Quartzite
- Water intersected (no flow measured)
- Airlift yield on completion (L/s):
  - 16.0
  - 0.0

PROJECT
- Bore RN24667/24764

NOTE: RN24667 is duplicate of RN24667 except RN24667 has 200 mm NB ERW steel casing stock at 95m.
LITHOLOGY INTERPRETED LOG

WIRELINE LOGS

BIT MEDIA

WATER FLOW LOG (Airlift Yield During Drilling)

CONSTRUCTION LOG

LEGEND

Wildman River Water Source Investigation

AUSTRALIAN GROUNDWATER
CONSULTANTS
PTY LIMITED

COMPOSITE LOG
BORE RN 24675

Date December 1986
D.M.E. 1253 / 54
F.B. 54
Wildman River Water Source Investigation

COMPOSITE LOG
BORE RN 24678

LITHOLOGY INTERPRETED LOG
WIRELINE LOGS
BIT LOG
MEDIA LOG
WATER FLOW LOG
CONSTRUCTION LOG

LITHOLOGY
- Sand
- Gravel
- Clay
- Silt
- Sandstone (fine) (coarse)
- Conglomerate
- Breccia
- Fractures - Gouge
- Quartz Vein
- Water Intersected
- Silicite

INTERNATIONAL STANDARDS FOR ENGINERIGN
CONSULTANTS

GEOLOGICAL GENERAL

LOCATION: Line 10, 3700m E

TOTAL DEPTH: 83.9 m
AIRLIFT YIELD: 5 L/s
ELECTRICAL CONDUCTIVITY: 56 µS/cm

LEGEND

- 100mm NB Class 9 PVC
- 200mm ISOT
- Gravel pack
- Backfill
- Cement grout

Wildman River Water Source Investigation

December 1986

Compl. 12/33/57

Fig. 57
LITHOLOGY INTERPRETED
LOG

WIRELINE LOGS

Gamma Ray
Resistance

BIT
LOG

MEDIA
LOG

WATER FLOW LOG
(Airlift Yield During Drilling)

CONSTRUCTION LOG

---

Wildman Silstone
Shale - (Predominantly mud / sandstone)
200 mm button bit

Siltstone
250 mm hole liner
Air Percussion

Caliper Log

19a

Depth - Metres

L I G N

Soil
Sandy / Silty soil
Clayey sand
Clay
Silty clay
Silt
Quartz sand
Quartz wacke
Quartzite
Boulder
Conglomerate
Boulder clay
Quartzose sandstone
Claystone
Siltstone

1. Sand
2. Gravel
3. Clay
4. Silt
5. Quartzose sandstone
6. Claystone
7. Siltstone
8. Soil
9. Caliper log
10. Gamma ray log
11. Resistivity log
12. Media log
13. Water flow log
14. Construction log

LEGEND

SANDSTONE (Flint)
SANDSTONE (Coarse)
CONGLOMERATE
BRECCIA
FRAGMENTAL - CONFORMED MATERIALS - Sheeted Chalk
QUARTZ VAIN
WATER INJURED (At line measured)

GUEST: 36-50mE
LOCATION: LINE 3 - 85.4mE

AUSTRALIAN GROUNDWATER
CONSULTANTS
PTY LIMITED

Wildman River Water Source Investigation
COMPOSITE LOG
BORE RN 24668

DATE: December 1986
REG. 1253 / 59
SIG. 59

BORE COMMENCED: 9/9/86
BORE COMPLETED: 23/9/86
TOTAL DEPTH: 97.57m
AIRLIFT YIELD: 30 L/s
ELECTRICAL CONDUCTIVITY: 50/^m

PACKER ASSAMBLE
200 mm NW STEEL
150 mm NW STEEL
100 mm NW STEEL SCREEN
100 mm NW STEEL SCREEN
WELDED END CAP

BORE RN 24668
Dwg. 1253 / 59