

# Appendix 1

Potentially high yielding sites. Including the locality maps of boreholes and the boreholes profiles.

# Potential High Yielding Site

1



Compiled by: Fanie Botha

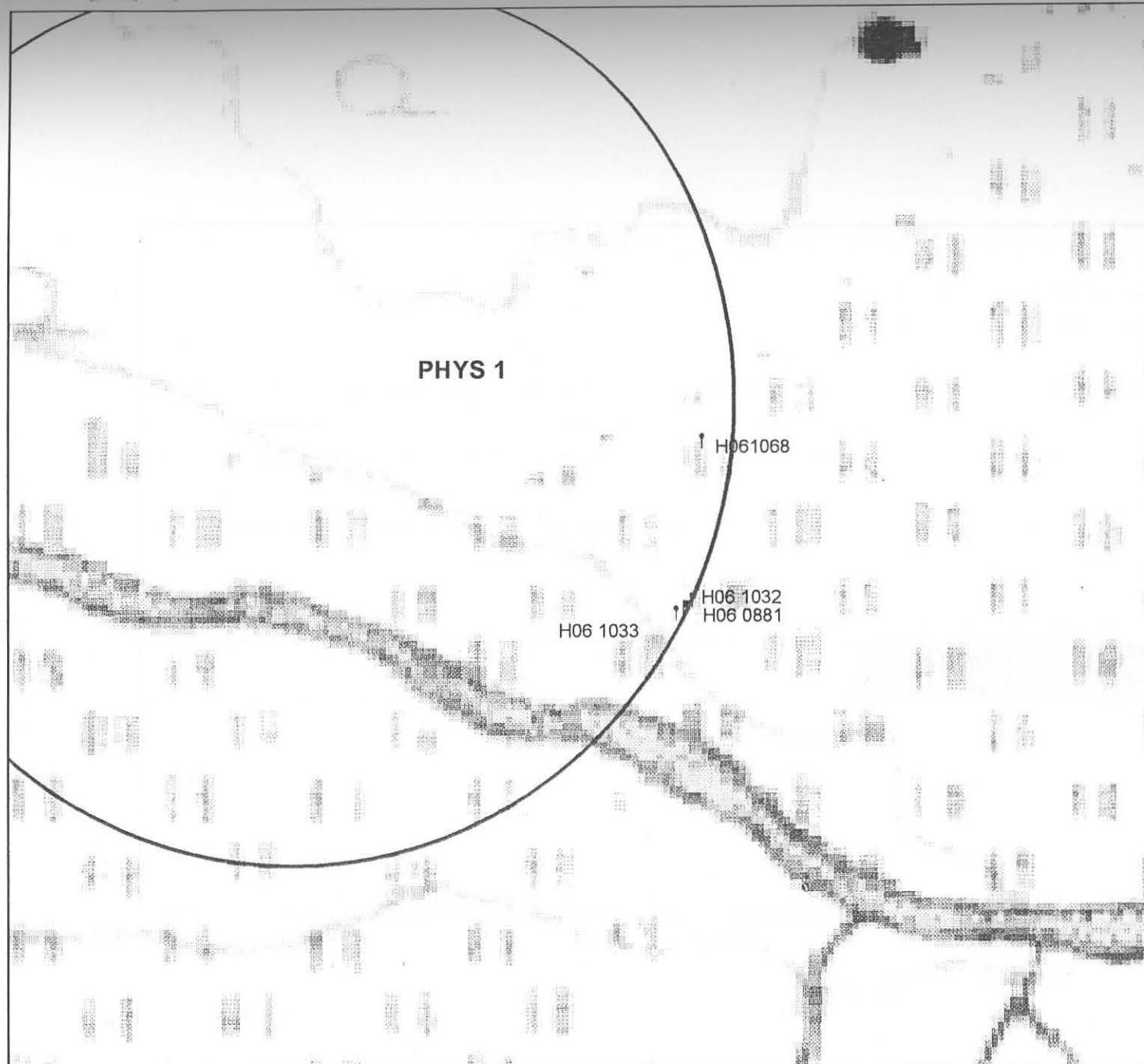
Assisted by: Robert Whitehead

## LEGEND

- PHYS identified New borehole positions
- ⊕ Closed borehole
- Monitor or dry borehole
- ↑ Observation borehole
- Borehole pump tested

## PHYS 1

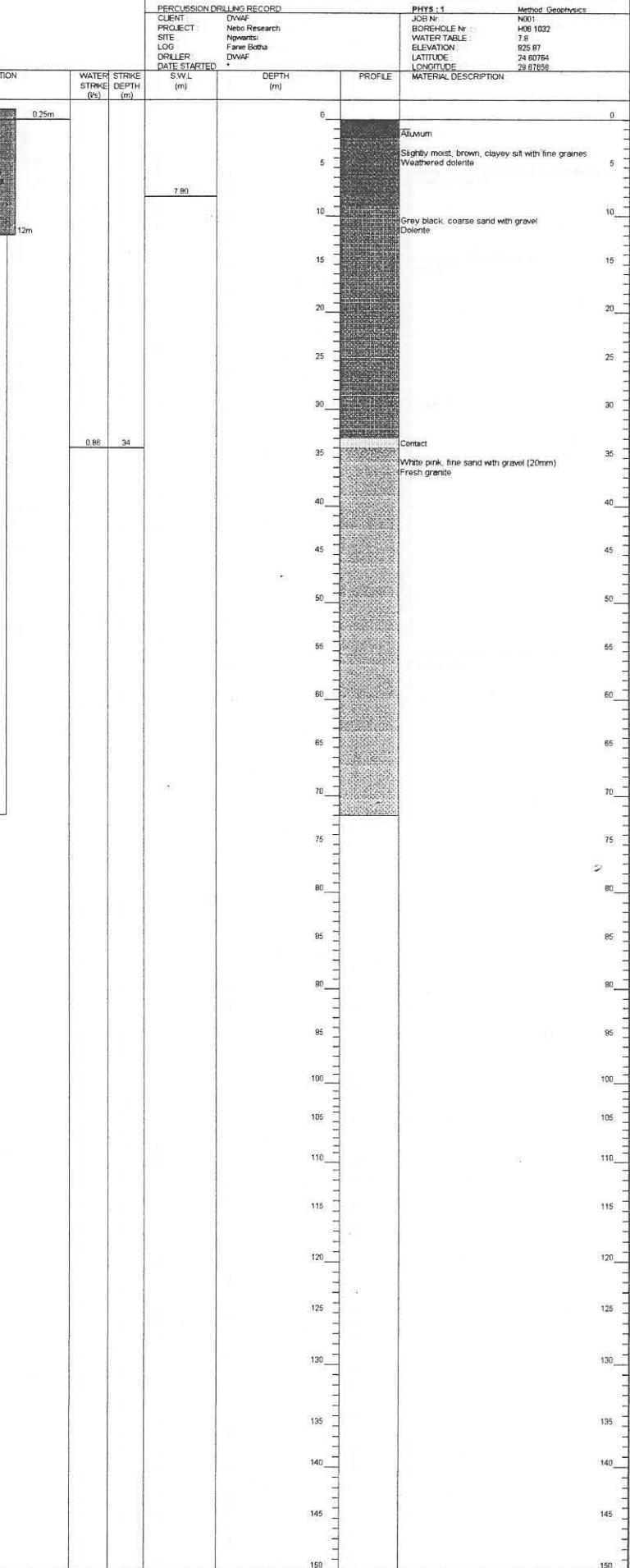
70 0 70 Meters



DWAf  
Private Bag X9506PIETERSBURG  
0700

TEL NO (015) 290-1333

FAX NO (015) 295-3249



DWAF  
Private Bag X9506  
PIETERSBURG  
0700  
TEL NO (015) 296-1233  
FAX NO (015) 295-3249

DRILLER DWAF  
DATE STARTED

BOREHOLE CONSTRUCTION

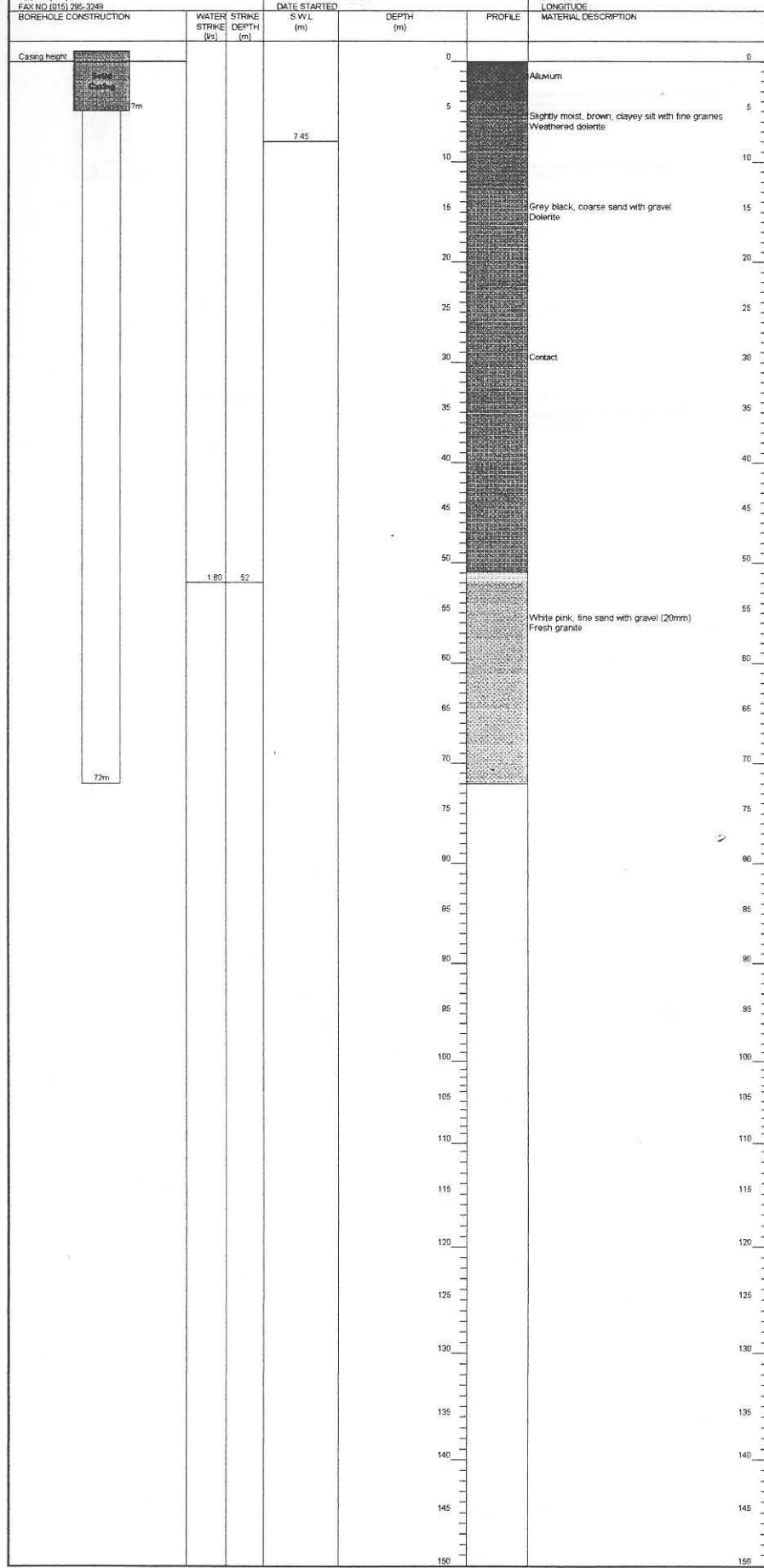
## PERCUSSION DRILLING RECORD

H06S : 1

Method: Geophysics

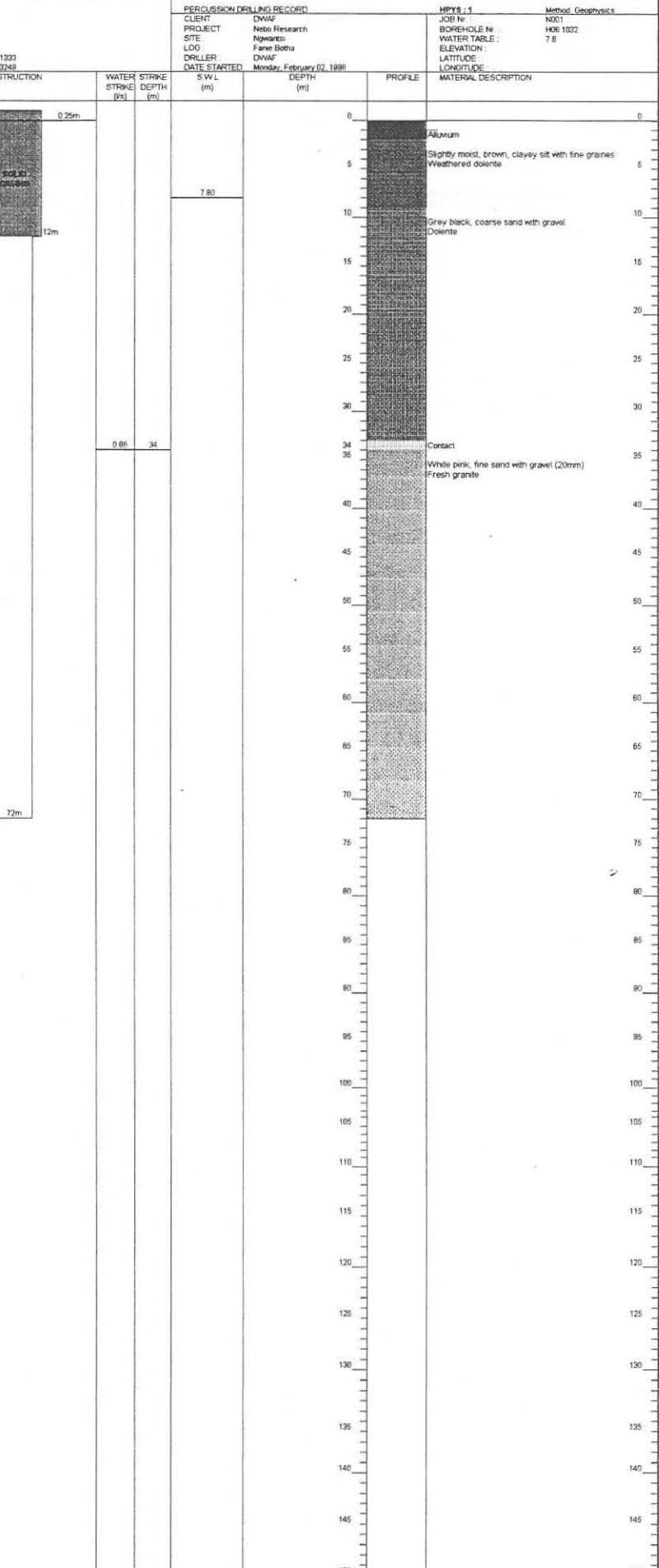
CLIENT: DWAF  
PROJECT: Newe Research  
SITE: Ngwazi  
LOGO: Fare Botha  
DRILLER: DWAF

JOB Nr: H06 1033  
BOREHOLE Nr: 7 45  
WATER TABLE: Elevation:  
LATITUDE: LONGITUDE:



DWAF  
Private Bag X9505  
PIETERSBURG  
0700  
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FAX NO (015) 295-3248

PERCUSSION DRILLING RECORD



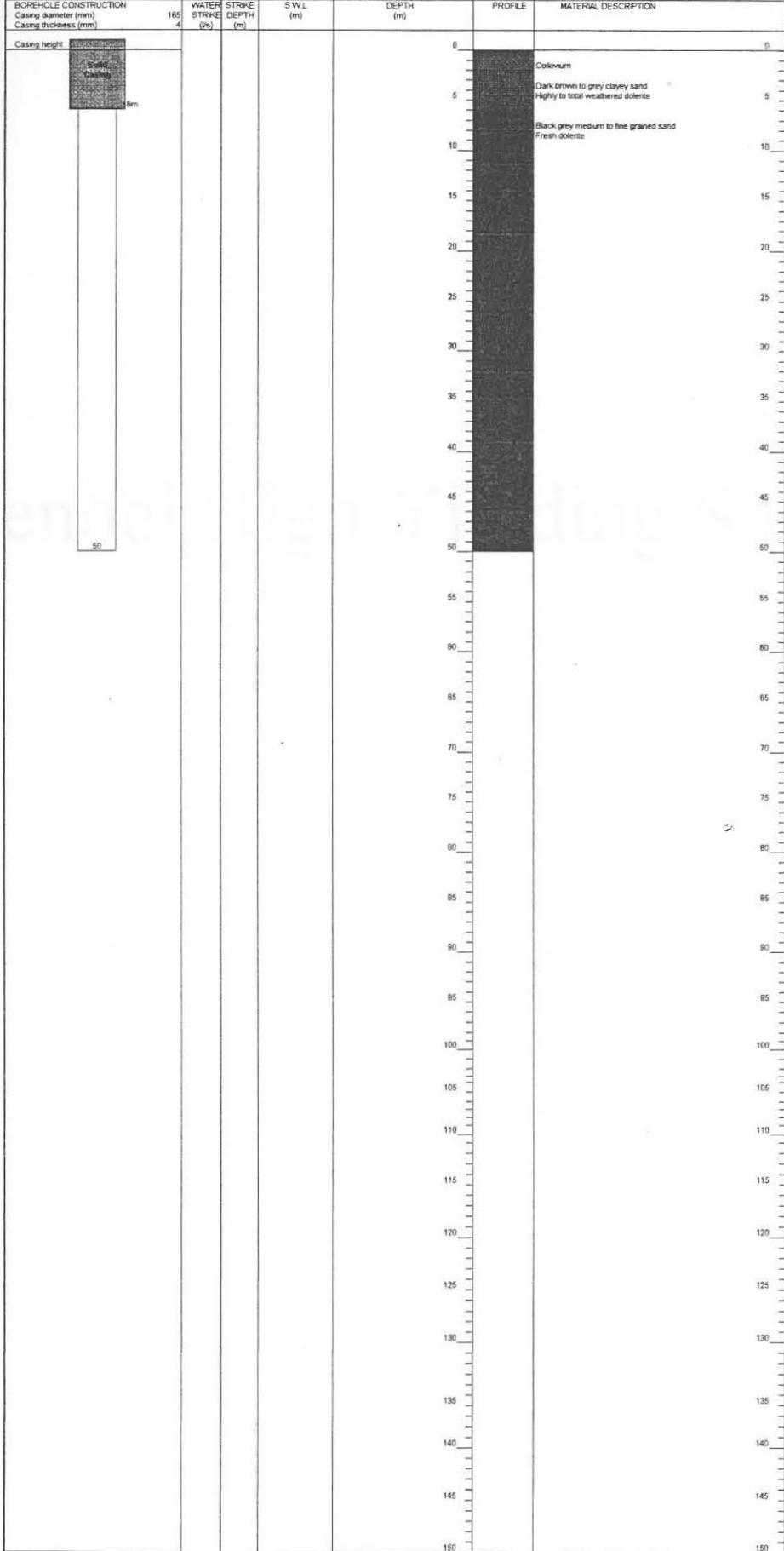
DWAF  
Private Bag XB508  
PIETERSBURG  
0700  
TEL NO (015) 296-1333  
FAX NO (015) 295-3249

BOREHOLE CONSTRUCTION  
Casing diameter (mm) 165  
Casing thickness (mm) 4

PERCUSSION DRILLING RECORD  
CLIENT DWAF  
PROJECT Neo Research  
SITE Newcastle  
LOC. Fine Birtha  
DRILLER DWAF  
DATE STARTED Tuesday, February 02, 1999

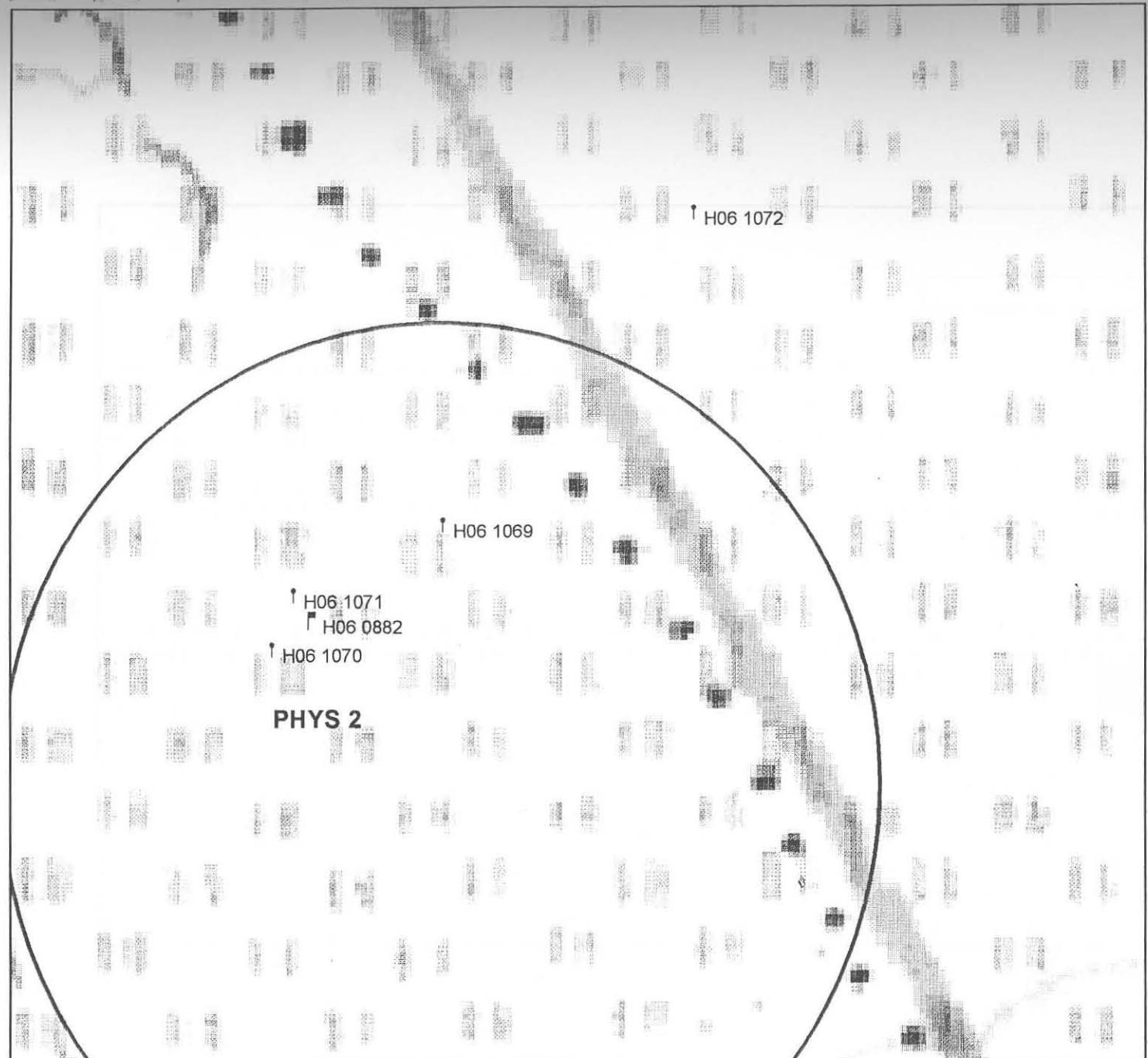
PHYS : 1  
JOB Nr N001  
BOREHOLE Nr H06 1068  
WATER LEVEL +  
ELEVATION 907  
LATITUDE 24 80887  
LONGITUDE 29 07887

Method Observation



# Potential High Yielding Site

2



Department of Water Affairs  
and Forestry



Compiled by: Fanie Botha

Assisted by: Robert Whitehead

## LEGEND

- PHYS identified New borehole positions
- ◊ Closed borehole Monitor or dry borehole
- Observation borehole
- Borehole pump tested

## PHYS 2

70 0 70 Meters

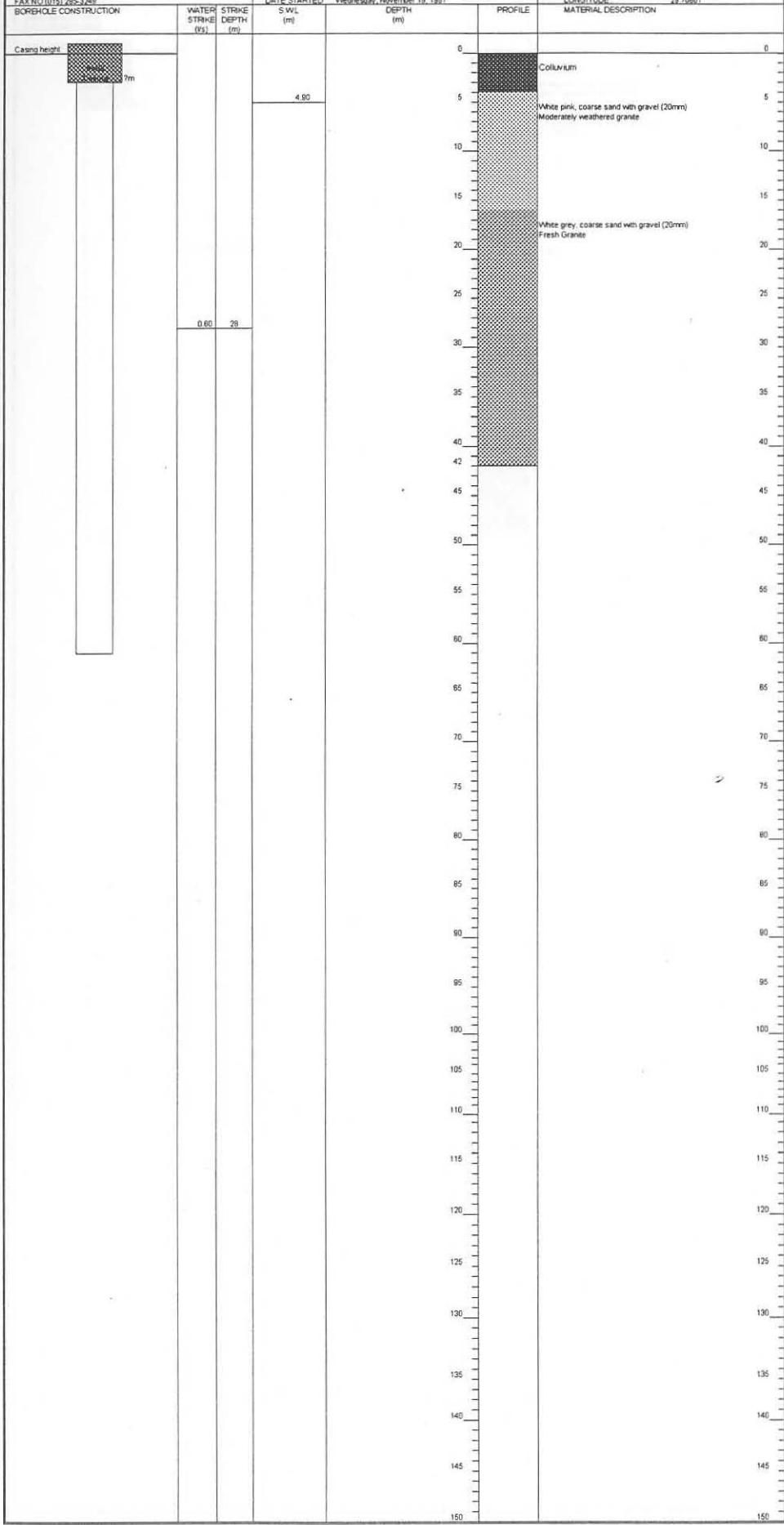


DMAF  
Private Bag X8606  
PIETERSBURG  
0700  
TEL NO (015) 280-1333  
FAX NO (015) 285-3248

## PERCUSSION DRILLING RECORD

CLIENT DMAF  
PROJECT Neto Research  
SITE Ngwentsu  
LOG Fanie Botha  
DRILLER DMAF  
DATE STARTED Wednesday, November 19, 1997

PHYS : 2 Method: Geophysics  
JOB NR. H061  
BOREHOLE NR. H06-0902 / W6103  
WATER LEVEL 4.9  
ELEVATION 990.22  
LATITUDE 24 81689  
LONGITUDE 29 70881



DWAF  
Private Bag X8506  
PIETERSBURG  
0700

TEL NO (015) 298-1333

FAX NO (015) 298-1338

BORHOLE CONSTRUCTION

Casing diameter (mm)

Casing thickness (mm)

165

4

## PERCUSSION DRILLING RECORD

CLIENT DWAF

PROJECT Nebo Research

SITE Nipwantsi

LOG Fanie Botha

DRILLER DWAF

DATE STARTED Friday, January 26, 1996

JOE N. : 2

Method: Observation

JOB N. : ND01

HO6 1069 / W6616

BOREHOLE Nr. : 17

WATER LEVEL : 834.27

ELEVATION : 24 614.15

LATITUDE : 29 589.46

LONGITUDE : 29 689.46

Casing height

8m

50

WATER STRIKE DEPTH

(Vs) (m)

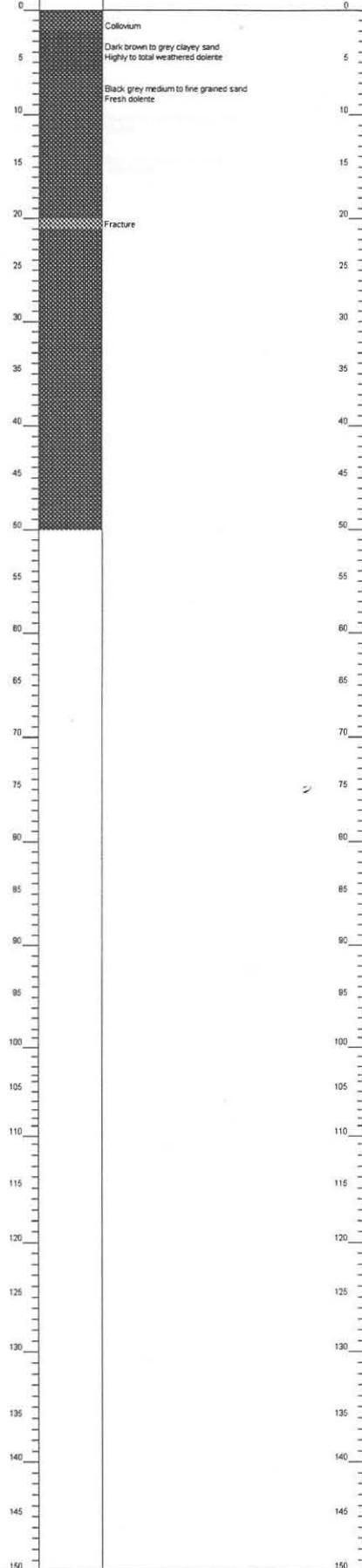
S.W.L.

(m)

DEPTH

(m)

PROFILE



DNAF  
Private Bag X8508  
PIETERSBURG  
0700  
TEL NO: (015) 286-1233  
FAX NO: (015) 285-2245

BORHOLE CONSTRUCTION

Casing diameter (mm):

Casing thickness (mm):

185

4

3m

12m

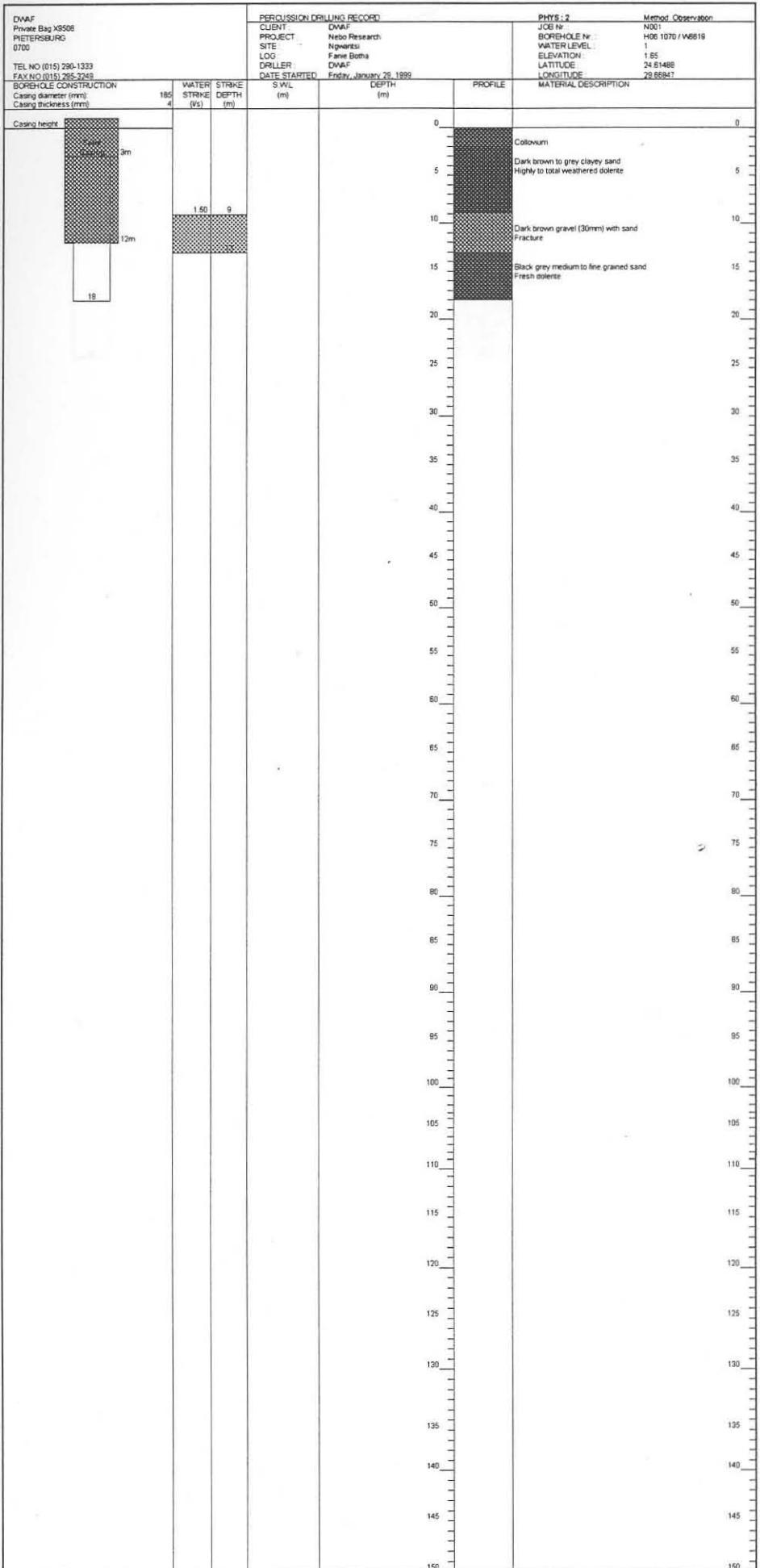
18

PERCUSSION DRILLING RECORD

CLIENT: DNAF  
PROJECT: Nebo Research  
SITE: Ngwantsi  
LOG: Fanie Botha  
DRAFTER: C. van der  
DATE STARTED: Friday, January 26, 1990

PHYS: 2

Method: Objectection  
JOB N: N001  
BOREHOLE N: H06 1070 / W6819  
WATER LEVEL: 1  
ELEVATION: 1 85  
LATITUDE: 24 81488  
LONGITUDE: 29 69947



DMAF  
Private Bag X9506  
PIETERSBURG  
0700  
TEL NO (015) 290 1333  
FAX NO (015) 295 3269

BOREHOLE CONSTRUCTION  
Casing diameter (mm): 165  
Casing thickness (mm): 4

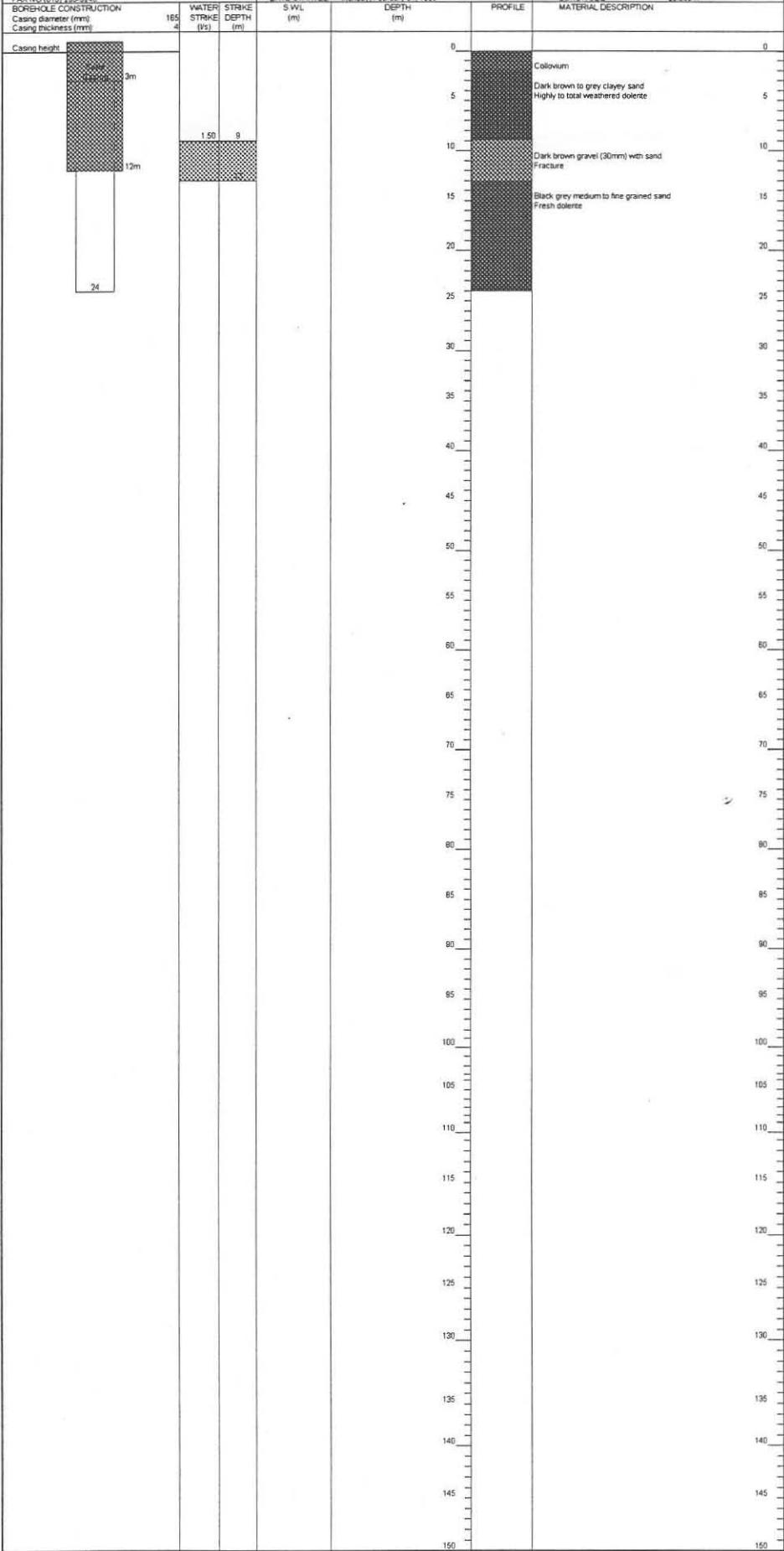
## PERCUSSION DRILLING RECORD

CLIENT: DMAF  
PROJECT: Nebo Research  
SITE: Ngewensi  
LOG: Fanie Botha  
DRILLER: DMAF  
DATE STARTED: Monday, February 01, 1999

## H06 1071

JOB Nr.: H06 1071  
BOREHOLE Nr.: 1  
WATER LEVEL:  
ELEVATION: 900.01  
LATITUDE: 24° 51'48"  
LONGITUDE: 29° 56'47"

Method: Observation



DMAF  
Private Bag X9508  
PIETERSBURG  
0700  
TEL NO (015) 290-1203  
FAX NO (015) 295-3249

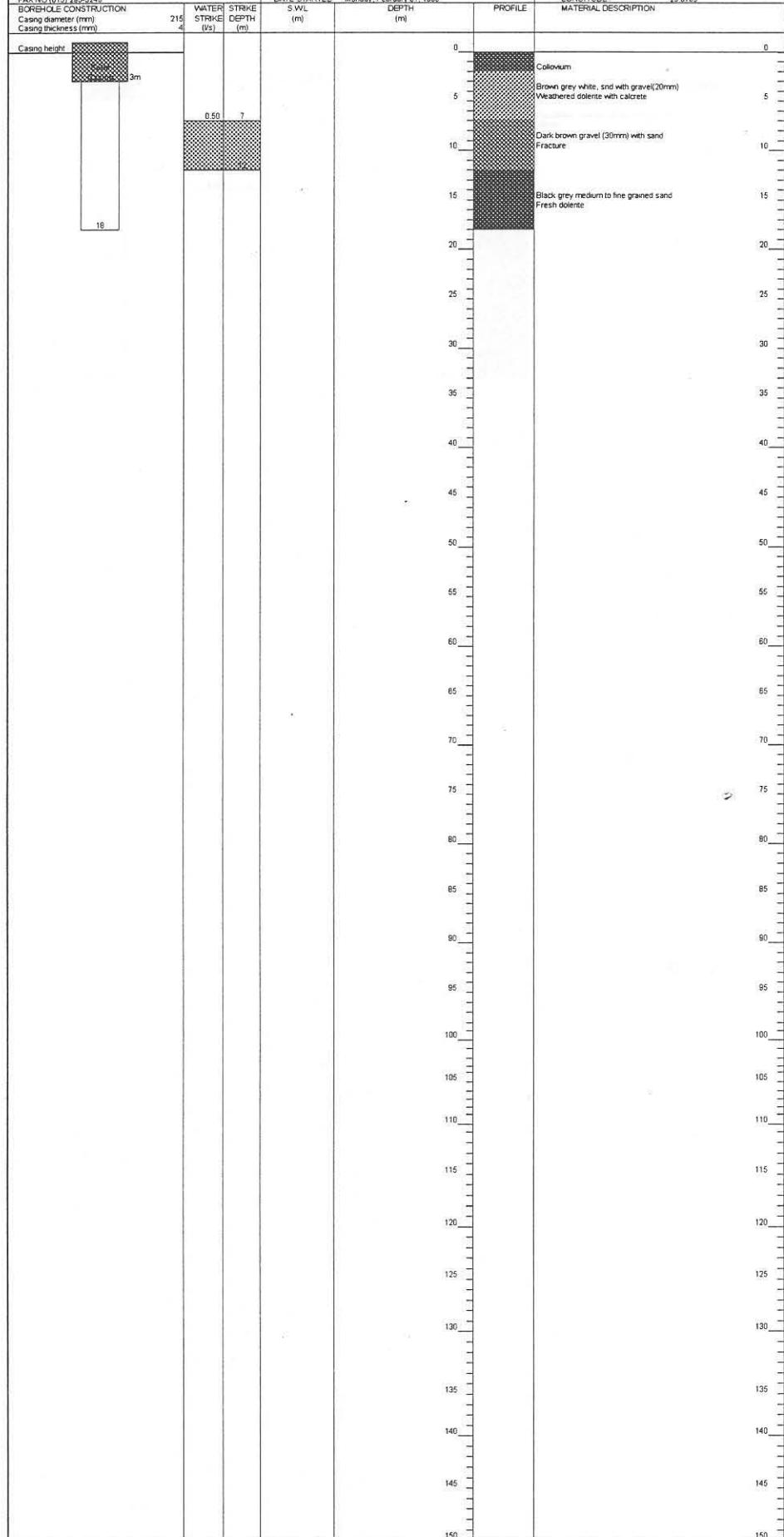
BORING CONSTRUCTION  
Casing diameter (mm) 215  
Casing thickness (mm) 4

## PERCUSSION DRILLING RECORD

CLIENT : DMAF  
PROJECT : Nebo Research  
SITE : Ngwantsi  
LOG : Farie Botha  
DRILLER : DMAF  
DATE STARTED : Monday, February 01, 1999

## PHYS : 2 Method: Observation

JOB Nr.: N001  
BOREHOLE Nr.: H06 1072  
WATER LEVEL: 1.68  
ELEVATION: 923  
LATITUDE: 24° 8' 12.33"  
LONGITUDE: 29° 6' 7.09"



DMAF  
Private Bag X9506  
PIETERSBURG  
0700  
TEL NO (015) 200-1333  
FAX NO (015) 295-3249

BOREHOLE CONSTRUCTION

## PERCUSSION DRILLING RECORD

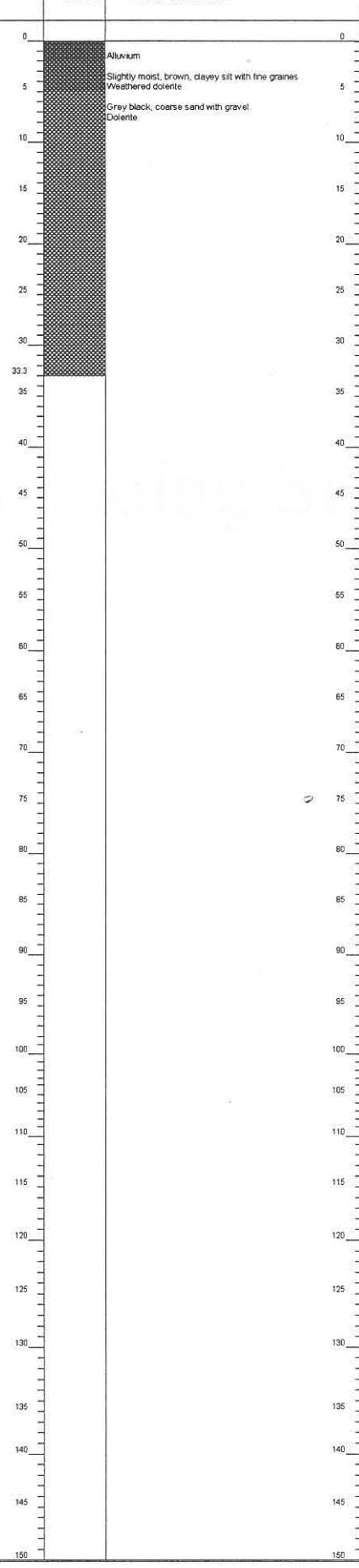
PHYS : 2

Method: Geophysics

CLIENT : DMAF  
PROJECT : Nebo Research  
SITE : Nkwe River  
LOG : Sarel Botha  
DRILLER : DMAF  
DATE STARTED :

JOB Nr : N001  
BOREHOLE Nr : H06 0882  
WATER TABLE : 230  
ELEVATION : 933.47  
LATITUDE : 24 81471  
LONGITUDE : 29 8887

WATER STRIKE (m)	STRIKE DEPTH (m)	S WL (m)	DEPTH (m)	PROFILE	MATERIAL DESCRIPTION
Casing height			2.35		
			6.00		
			14		
			33.3		



# Potential High Yielding Site

3

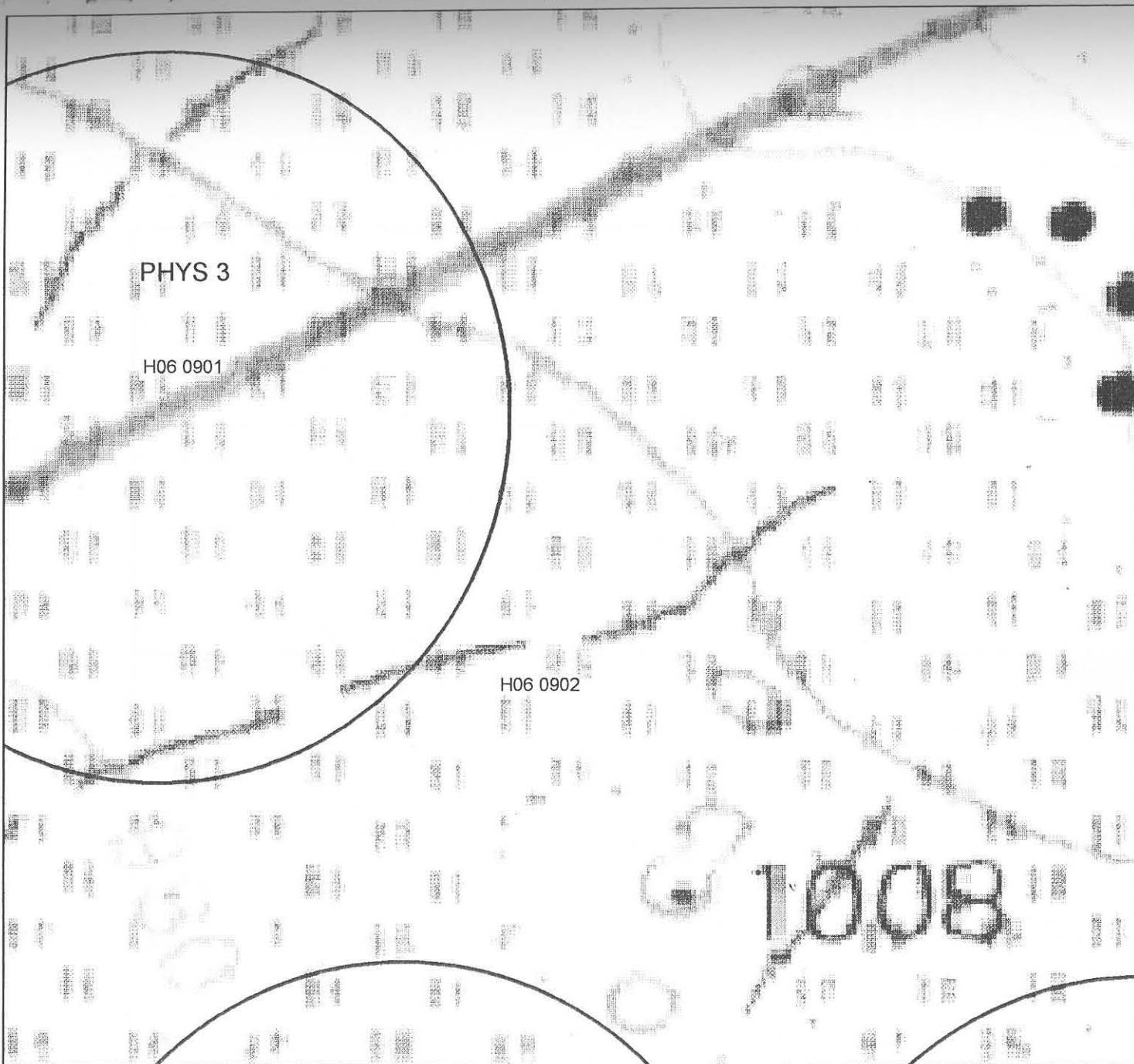


Compiled by: Fanie Botha

Assisted by: Robert Whitehead

## LEGEND

- PHYS identified New borehole positions
- ⊕ Closed borehole
- Monitor or dry borehole
- ↑ Observation borehole
- Borehole pump tested



## PHYS 3

70 0 70 Meters



DWAF  
Private Bag X9506  
PETERSBURG  
0700  
TEL NO (015) 280-1333  
FAX NO (015) 285-3242

## PERCUSSION DRILLING RECORD

PHYS :3  
Method: Geophysics  
JOB N.: H06  
BOREHOLE N.: H06 0901 / W5102  
SITE: Norwartz  
LOG: Fanie Botha  
DRILLER: DWAF  
DATE STARTED: Tuesday, November 19, 1997  
ELEVATION: 983.66  
LATITUDE: 24° 01'45"S  
LONGITUDE: 20° 70'00"E

## BOREHOLE CONSTRUCTION

WATER

STRIKE

DEPTH

(m)

S.W.L.

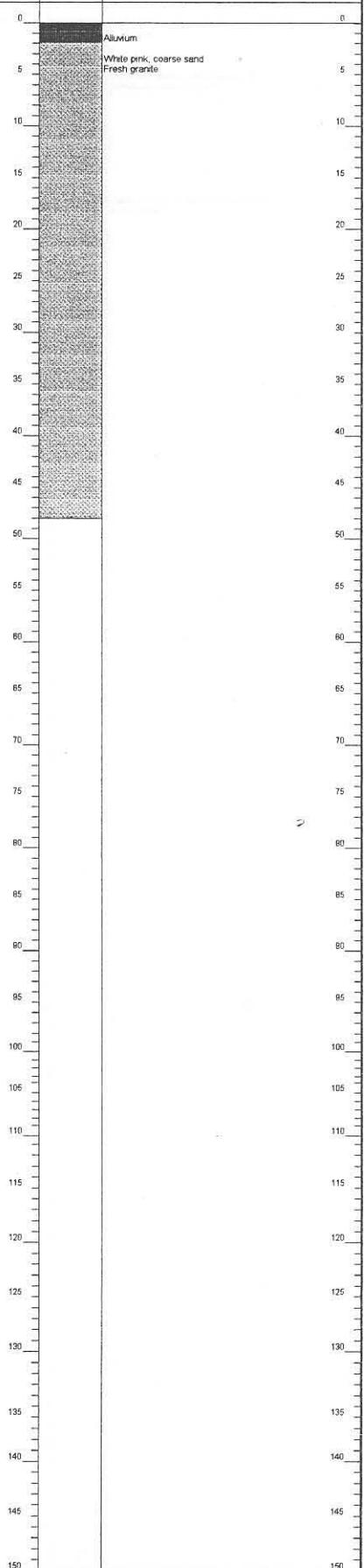
(m)

DEPTH

(m)

PROFILE

MATERIAL DESCRIPTION



DWAF  
Private Bag X8506  
PETERSBURG  
DTR.

TEL NO (015) 290-1333  
FAX NO (015) 285-3248

## PERCUSSION DRILLING RECORD

PHYS. 2  
Method: Geophysics  
JOHN DEERE  
BOREHOLE No.: H06 0902 / W5103  
SITE: Novonto  
LOG: Fanie Botha  
DRILLER: DWAF  
DATE STARTED: Wednesday, November 19, 1997

## BOREHOLE CONSTRUCTION

WATER STRIKE  
STRIKE  
DEPTH  
(m)

SWL  
(m)

DEPTH  
(m)

## PROFILE

## MATERIAL DESCRIPTION

Casing height

7m

-

4.80

0.60 28

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

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0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

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0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

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0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150

