







Potential High Yielding Site

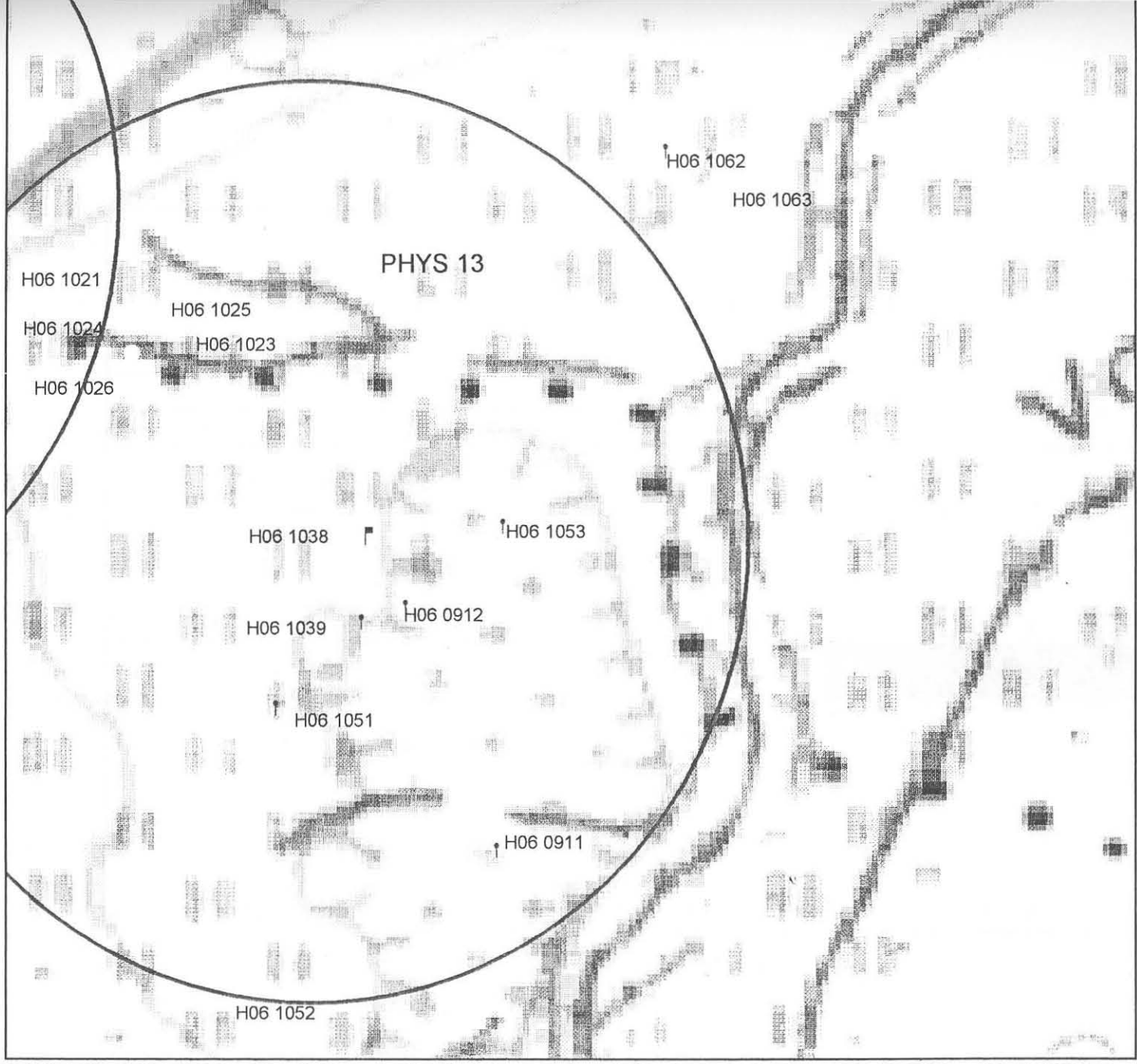
13

Compiled by: Fanie Botha
Assisted by: Robert Whitehead

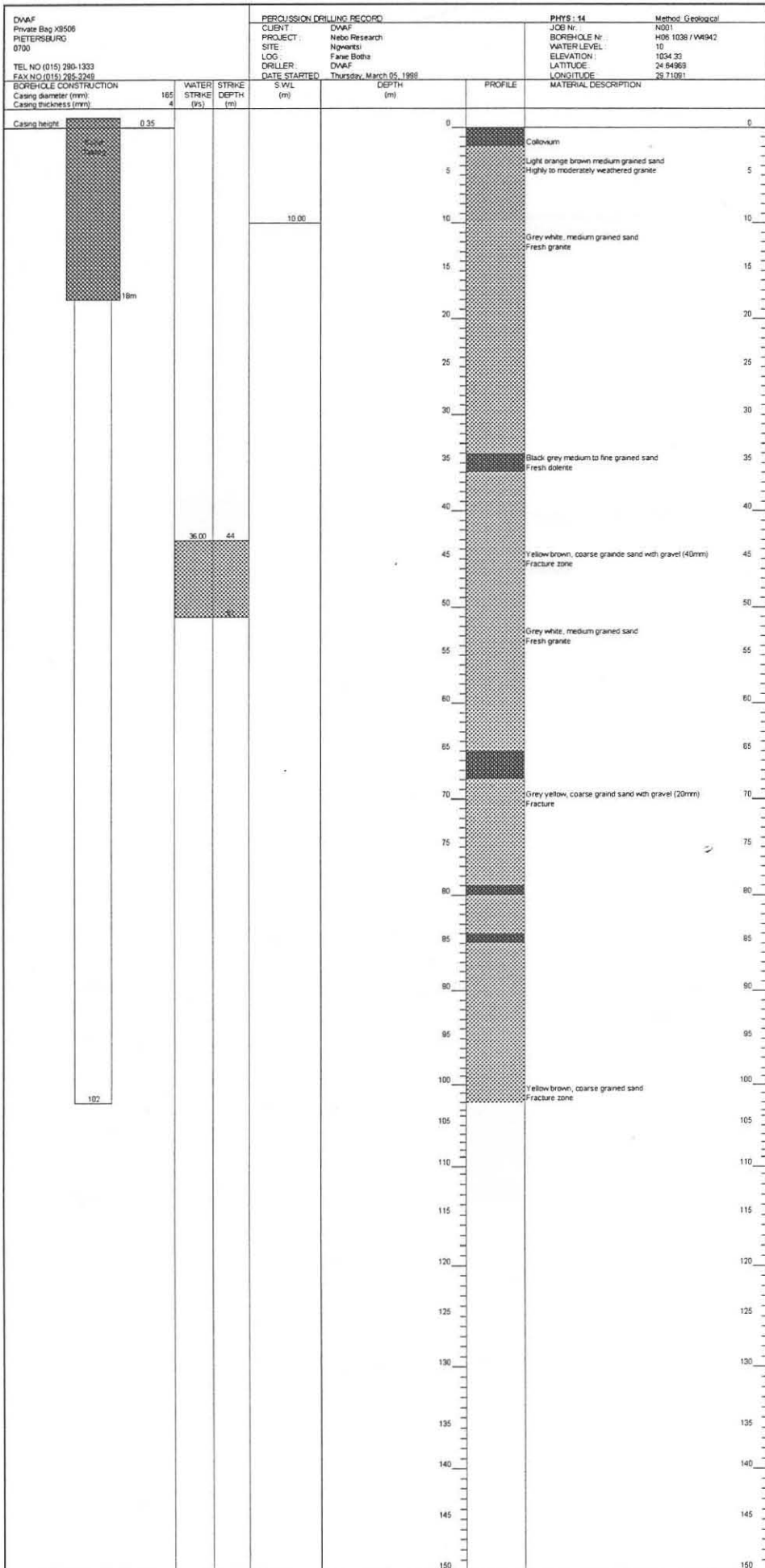
LEGEND

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

PHYS 13



DWAf Private Bag X9506 PIETERSBURG 0700 TEL NO (015) 295-1333 FAX NO (015) 295-3249			PERCUSSION DRILLING RECORD CLIENT: DWAf PROJECT: Ntso Research SITE: Ngwenzi LOG: Fane Botha DRILLER: DWAf DATE STARTED: Thursday, January 27, 1999			PHYS: 13 Method: Geotechnical JOB No: A001 BOREHOLE No: H08 1023 / W1023 WATER LEVEL: 8.2 ELEVATION: 1036.03 LATITUDE: 24.84844 LONGITUDE: 28.20921	
BOREHOLE CONSTRUCTION Casing diameter (mm) Casing thickness (mm)	165 4	WATER STRIKE (%)	STRIKE DEPTH (m)	S.W.L. (m)	DEPTH (m)	PROFILE	MATERIAL DESCRIPTION
Casing height	0.3				0		0
				8.20			Collosum Dark brown to grey clayey sand Highly to total weathered dolerite
					10		
	12m				15		
					20		Black grey medium to fine grained sand Fresh dolerite
					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		









DWAf Private Bag X0508 PIETERSBURG 0700 TEL NO (015) 290-1330 FAX NO (015) 295-3249			PERCUSSION DRILLING RECORD			PHYS - 14 Method: Geotechnical	
BOREHOLE CONSTRUCTION			CLIENT: DWAf			JOB Nr: N001	
Casing diameter (mm): 185			PROJECT: Nebo Research			BOREHOLE Nr: H06 1051 / W6572	
Casing thickness (mm): 4			SITE: Ngwenkwa			WATER LEVEL: 7.94	
			LOG: Fanie Botha			ELEVATION: 1037.05	
			DRILLER: DWAf			LATITUDE: 24.85069	
			DATE STARTED: *			LONGITUDE: 29.71937	
			S.W.L. (m): 7.94			MATERIAL DESCRIPTION	
			WATER STRIKE (m): 7.00				
			STRIKE DEPTH (m): 26				
Casing height: 18m							
0						0	
0.3						Colloium	
18						Brown to grey black, medium grained sand Moderately to slightly weathered dolerite	
						5	
						10	
						15	
						20	
						25	
						30	
						35	
						Grey yellow, coarse sand with gravel (30mm) Fracture zone	
						40	
						Grey white, fine sand fresh granite	
						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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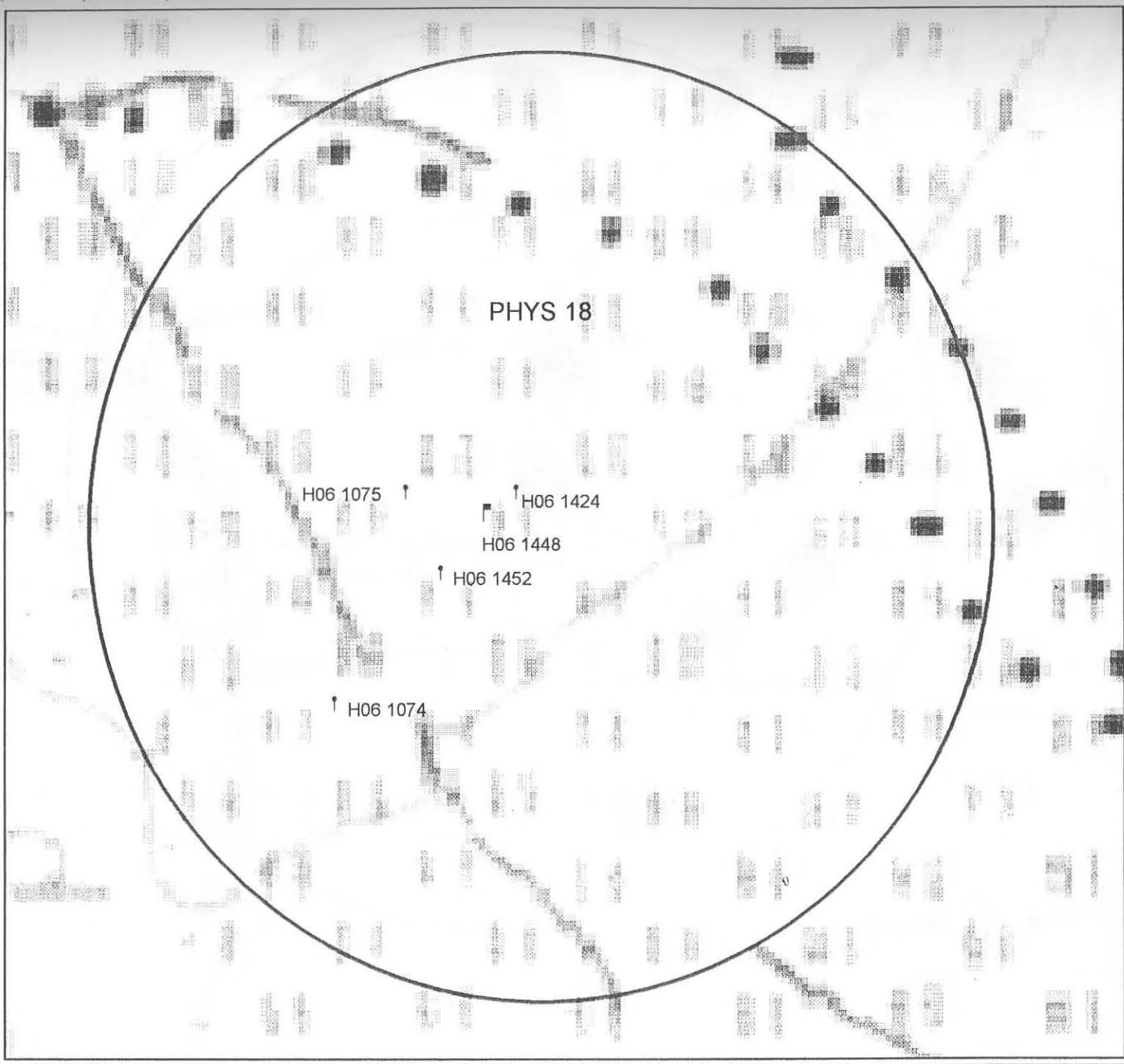
18

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 18



DWAf Private Bag X0506 PIETERSBURG 0700 TEL NO (015) 295-1333 FAX NO (015) 295-3249		PERCUSSION DRILLING RECORD			PHYS: 20 Method: Geological		
		CLIENT: DWAf	JOB N°: ND01	Method: Geological			
		PROJECT: Noto Research	BOREHOLE N°: HD6 1049 / M6570	WATER LEVEL: 13			
		SITE: Ngwato	ELEVATION: 1076.42	LATITUDE: 24.86585			
		LOG: Fane Botha	LONGITUDE: 28.74091				
		DRILLER: DWAf					
		DATE STARTED: *					
BOREHOLE CONSTRUCTION	165MM 4MM	WATER STRIKE (%)	STRIKE DEPTH (m)	S WL (m)	DEPTH (m)	PROFILE	MATERIAL DESCRIPTION
Casing height	0.45				0		0
	12m			13.00	5		5
					10		10
					15		15
					20		20
					25		25
					30		30
					35		35
					40		40
					45		45
					50		50
					55		55
					60		60
					65		65
		12.00	85		65		65
					70		70
					75		75
					80		80
					85		85
					90		90
					95		95
					100		100
					105		105
					110		110
					115		115
					120		120
					125		125
					130		130
					135		135
					140		140
					145		145
					150		150

DWAFF Private Bag X9606 PIETERSBURG 0700 TEL NO (015) 280-1333 FAX NO (015) 285-7749		PERCUSSION DRILLING RECORD				P.YHS. 19		Method: Observation		
BORHOLE CONSTRUCTION Casing diameter (mm) Casing thickness (mm)		WATER STRIKE (ps)	STRIKE DEPTH (m)	S.W.L (m)	DEPTH (m)	PROFILE	MATERIAL DESCRIPTION			
Casing height: 12m										
					0		Brown grey coarse sand with gravel			0
							Weathered granite			
					5		Yellow brown coarse sand			5
							Weathered granite			
					10					10
					15					15
					20		White grey medium sand			20
							Moderately weathered granite			
					25					25
					30		White grey medium sand			30
							Fresh granite			
					35					35
					40					40
					45					45
					50					50
					55					55
					60					60
					65					65
					70					70
					75					75
					80					80
					85					85
					90		Fracture			90
					95					95
					100					100
					105					105
					110					110
					115					115
					120					120
					125					125
					130					130
					135					135
					140					140
					145					145
					150					150

DWAf Private Bag X0506 PETERSBURG 0700 TEL NO (015) 280-1333 FAX NO (015) 285-3248			PERCUSSION DRILLING RECORD CLIENT: DWAf PROJECT: Neto Research SITE: Ngwato LOG: Fane Botha DRILLER: DWAf DATE STARTED: Friday, February 05, 1999			PHYS. 19 JOB N: NG01 BOREHOLE N: H06 1424 WATER LEVEL: * ELEVATION: 1117 LATITUDE: 24 809 LONGITUDE: 26 72147	
BOREHOLE CONSTRUCTION Casing diameter (mm) Casing thickness (mm)	WATER STRIKE (ft)	STRIKE DEPTH (m)	S.W.L (m)	DEPTH (m)	PROFILE	MATERIAL DESCRIPTION	
Casing height				0		0	
				5		Coluicum Brown grey sand Weathered granite	
				10			
				15			
				20			
	0.30	20		25		Purple brwn. coarse sand Slightly weathered granite	
				30			
				35			
				40		Pinkish red granite Fresh granite	
				45			
				50			
				55			
				60			
				65			
				70			
				75			
				80			
				85			
				90		Fracture	
	0.30	88		95			
				100			
				105			
				110			
				115			
				120			
				125			
				130			
				135			
				140			
				145			
				150			

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





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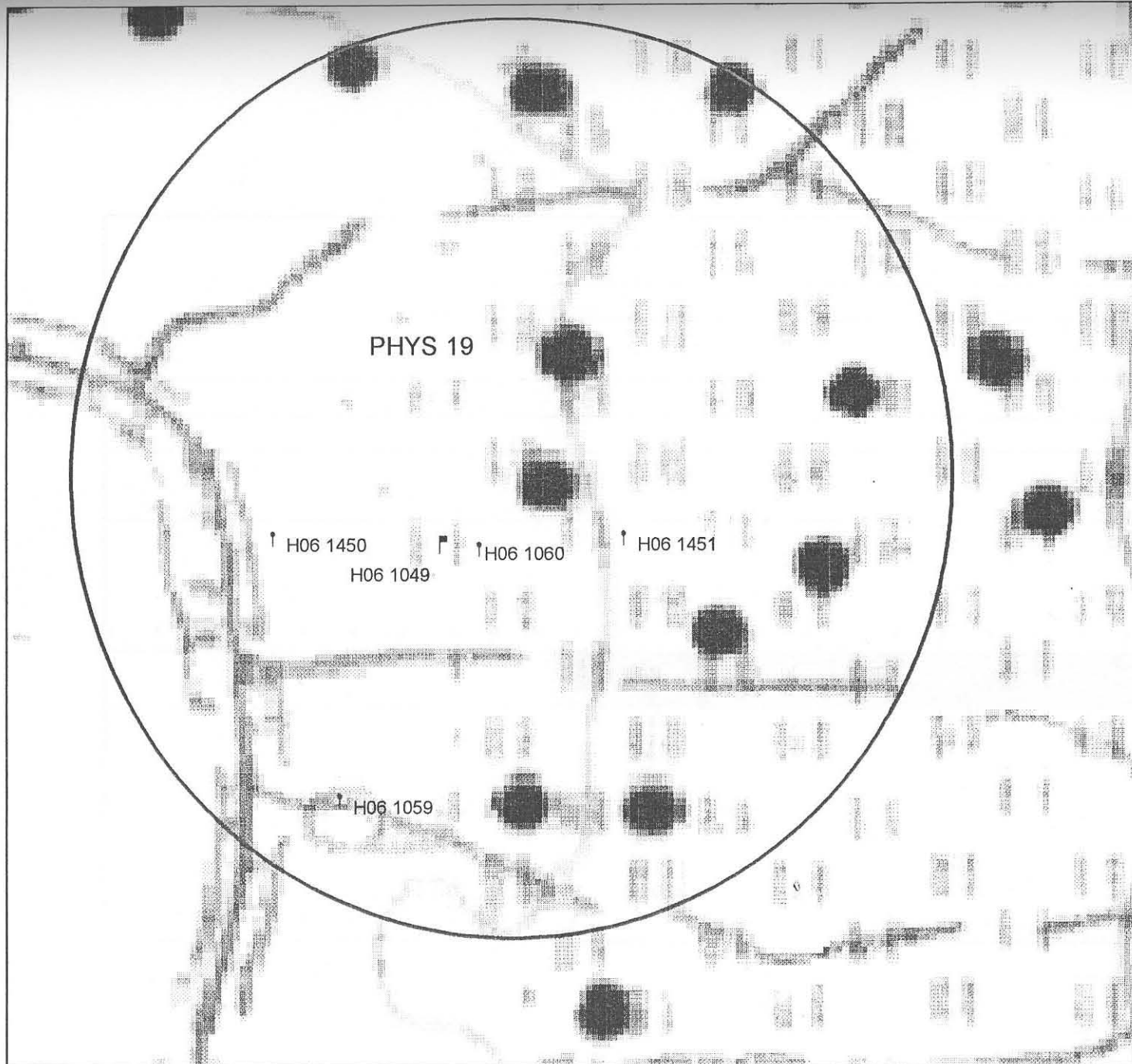
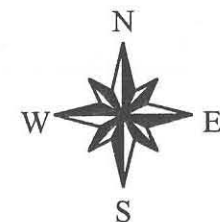
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LEGEND

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PHYS 19



DWAf		PERCUSSION DRILLING RECORD			PHYS. 20	
Private Bag 93506 PIETERSBURG 0700		CLIENT: DWAf	PROJECT: Nso Research	SITE: Ngwents	JOB N: N001	Method: Observation
TEL NO (015) 295-1323 FAX NO (015) 295-3249		LOG: Fanie Botha	DRILLER: DWAf	DATE STARTED: *	BORHOLE N.: H06 1060 / M6608	WATER LEVEL: 17.9
BORHOLE CONSTRUCTION		WATER STRIKE (PS)	STRIKE DEPTH (m)	S WL (m)	DEPTH (m)	PROFILE
Casing diameter (mm): 165	4					MATERIAL DESCRIPTION
Casing thickness (mm):						
Casing height: 0.5						0
12m				17.90		0
80		12.00	55			5
						10
						15
						20
						25
						30
						35
						40
						45
						50
						55
						60
						65
						70
						75
						80
						85
						90
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						105
						110
						115
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						125
						130
						135
						140
						145
						150

