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ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/6-2010

BOREHOLE No BH C58
SHEET 1 of 2
REFERENCE No H11140

PROJECT Bruce Highway Upgrade (Cooroy to Curra) Section C
LOCATION Cut 16 COORDINATES 470439.4 E; 7097550.0 N
PROJECT No FG5799 SURFACE R.L. 74.40m PLUNGE DATE STARTED 17/08/11 GRID DATUM MGA94
JOB No 232/10A/2 HEIGHT DATUM AHD BEARING DATE COMPLETED 17/08/11 DRILLER Drillsure Pty Ltd

DEPTH (m)	R.L. (m)	ALGER CASING WASH BORING CORE DRILLING	RQD (%)	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	74.40											
0.2	74.20				TOPSOIL: Pale grey, dry, gravelly silt. Powdery, gravel up to 50mm.	(ML)						
0.5					Gravelly SILT (Residual): Yellow/brown, dry.	(ML)					Based on driller's logs only	
1.0	73.40			A	SILTSTONE (XW): Generally exhibits engineering properties of a brown/grey, dry, very stiff to hard, low plasticity sandy clay.	XW					10, 14, 13 N=27	SPT
2.0												
2.5	71.90			B	SILTSTONE (HW): Brown/grey, fine grained, subtly foliated, mainly low strength.	HW						
3.0			(0)		Defects: -Clayey zones throughout. -Foliation parting at 40° (3-4/m) -Joint at 70° (2/m) -Joint at subvertical (1/m)						FP, 40°, Pl, O, S, Clnf, 5mm FP, 40°, Pl, O, S, Clnf, 3mm Clay Seam, 40° Clay Seam, 40° J, 70°, Pl, T, S, FeSt Is(50) = 0.46MPa Is(50) = 1.67MPa	x o
4.0			100 (9)		Defect spacing is generally close. Defect surfaces are planar, tight, smooth, clay infilled.							
5.0												
6.0			100 (17)								FP, 40°, Pl, T, S, Clnf J, Subvertical, I, O, Clnf, FeSt CLy Seam Is(50) = 0.78MPa Is(50) = 0.60MPa	x o
7.0			100 (10)								J, 70°, Pl, T, S, FeSt Is(50) = 0.14MPa	x
8.0			85 (20)								CLy BZ CLy BZ	
9.0			92 (17)								FP, Pl, T, S, FeSt J, Subvertical, Pl, T, SR, FeSt Is(50) = 0.24MPa Is(50) = 1.43MPa	x o
10.0											CLy Zone	

REMARKS

LOGGED BY
JA/DC

ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM F:GEOT 017/6-2010

BOREHOLE No BH C58
SHEET 2 of 2
REFERENCE No H11140

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LOCATION Cut 16 COORDINATES 470439.4 E: 7097550.0 N
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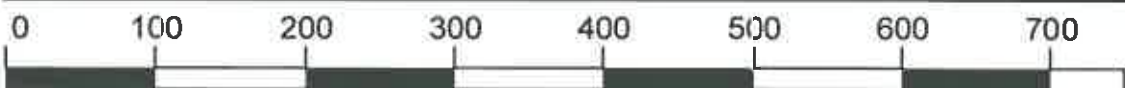
DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD (%)	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
10	64.40					SILTSTONE (HW): Cont'd	HW						
11				100 (0)									
12				100 (0)									
13	61.65			100 (0)		SILTSTONE (MW): Grey/brown, fine grained, subtly foliated, medium to high strength, indurated and/or slightly metamorphosed.	MW						
14				100 (46)		Defects: -Clayey seams up to 150mm. -Foliation parting at 40° (4/m) -Joint at 20° (1/m) -Joint at 70° (1/m) Defect spacing is close to medium. Defect surfaces are planar, tight or closed, smooth, clay infill, iron stained.							
15	59.70			100		Borehole terminated at 14.7m							
16													
17													
18													
19													
20													

REMARKS

LOGGED BY
JA/DC

CORE PHOTO LOG - BH C58

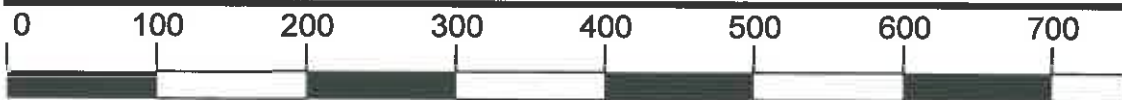
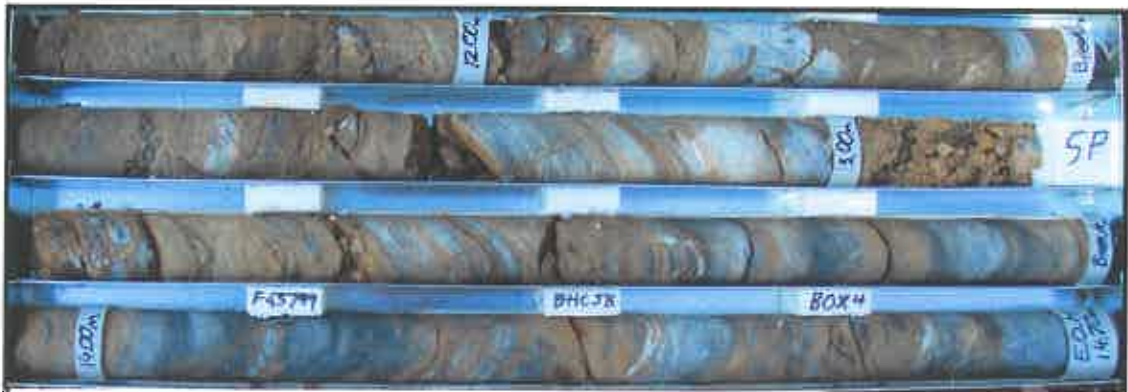
Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	08/09/2011
Details:	Cut 16	Start Depth (m):	2.80
Reference No.:	H11140	Finish Depth (m):	14.70



SCALE 1:5

CORE PHOTO LOG - BH C58

Project Name:	BRUCE HIGHWAY UPGRADE - SECTION C		
Project No.:	FG5799	Date:	08/09/2011
Details:	Cut 16	Start Depth (m):	2.80
Reference No.:	H11140	Finish Depth (m):	14.70



SCALE 1:5

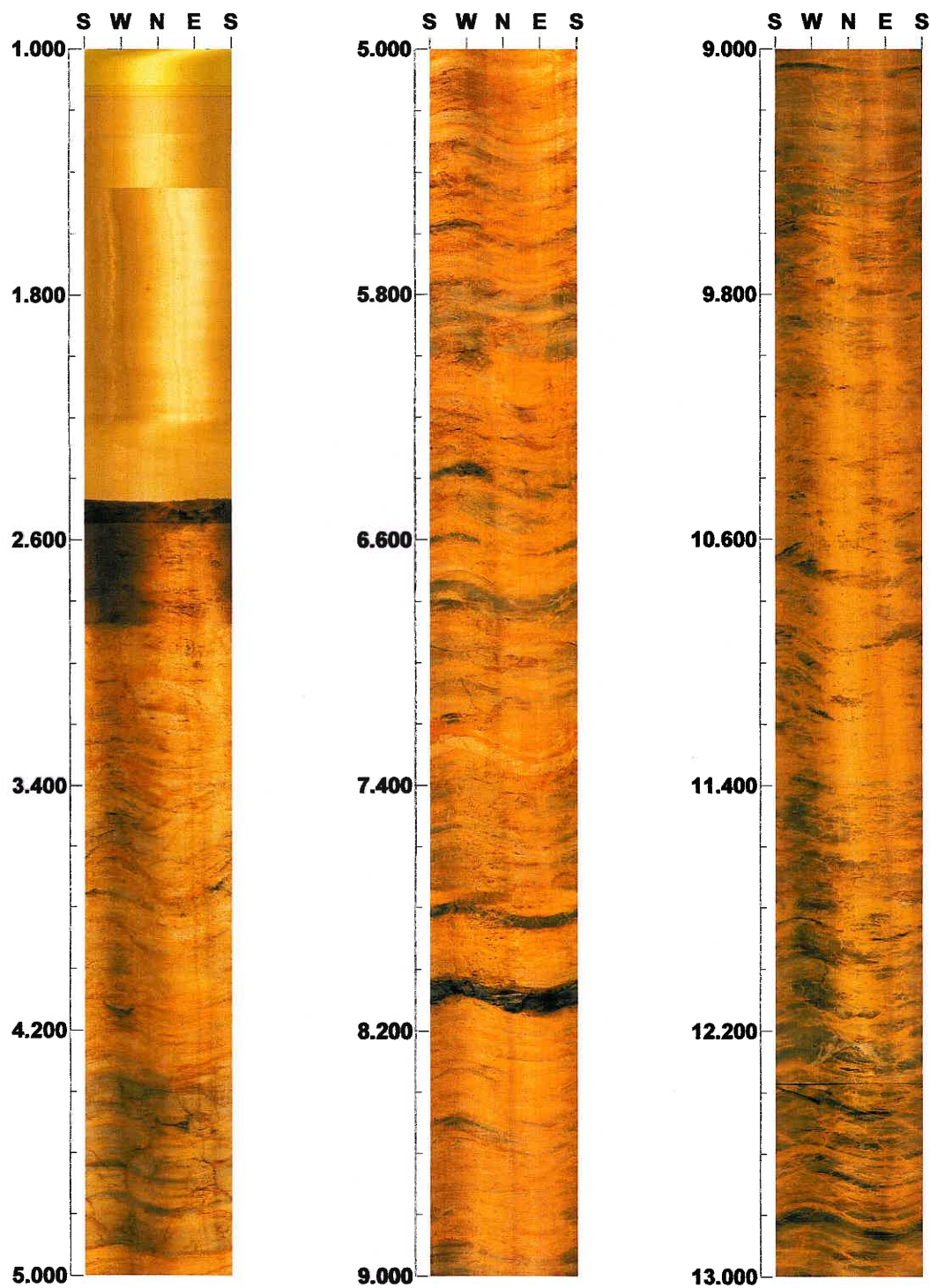
Project name: BRUCE HIGHWAY UPGRADE SECTION C

Bore hole No.: C-58

Azimuth: 0

Inclination: -90

Depth range: 1.000 - 13.000 m



Scale: 1/20

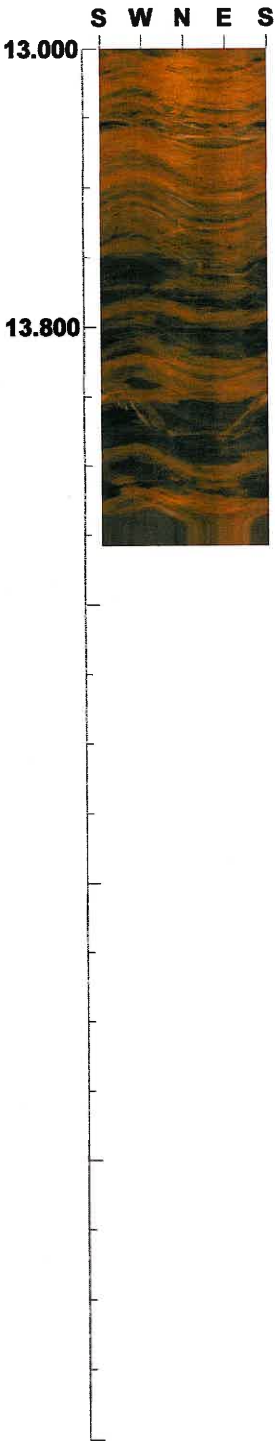
Aspect ratio: 200 %

Project name: BRUCE HIGHWAY UPGRADE SECTION C
Bore hole No.: C-58

Azimuth: 0

Inclination: -90

Depth range: 13.000 - 14.429 m



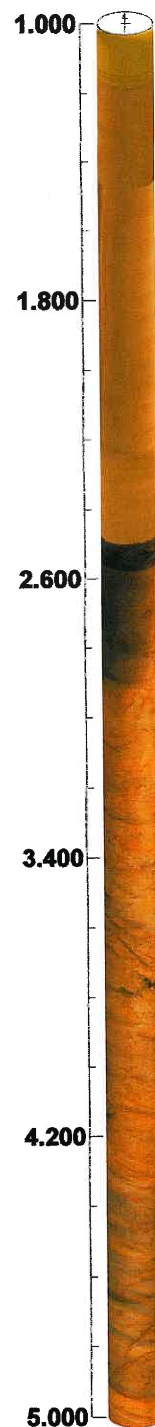
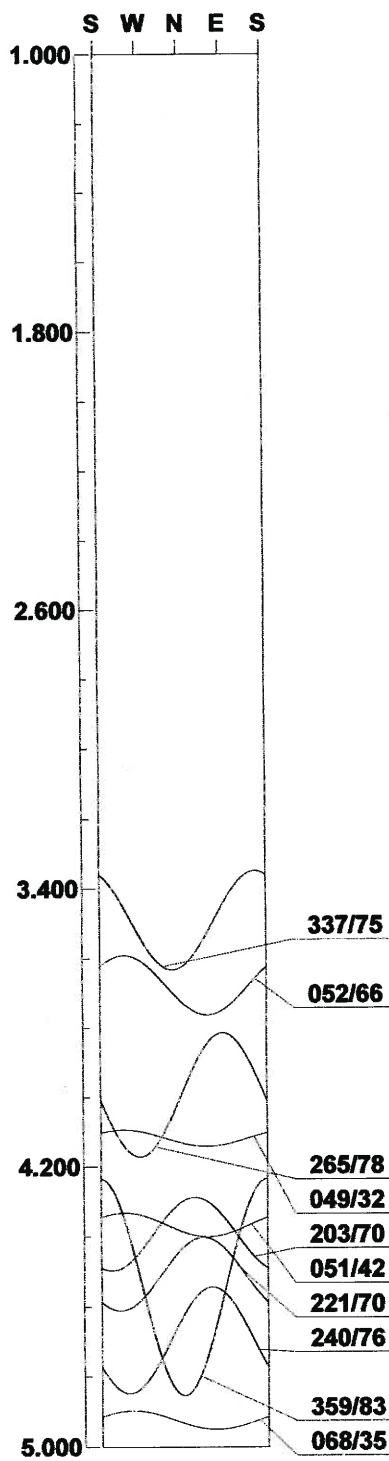
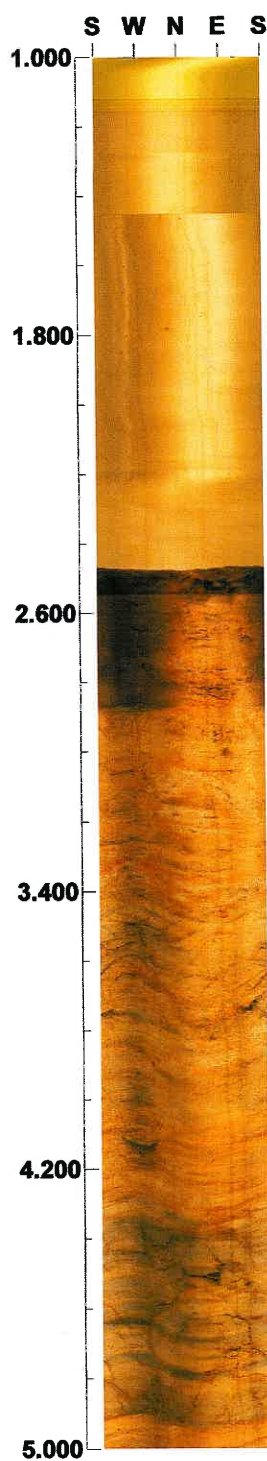
Scale: 1/20 Aspect ratio: 200 %

Project name: BRUCE HIGHWAY UPGRADE SECTION C
Bore hole No.: C-58

Azimuth: 0

Inclination: -90

Depth range: 1.000 - 5.000 m



Scale: 1/20

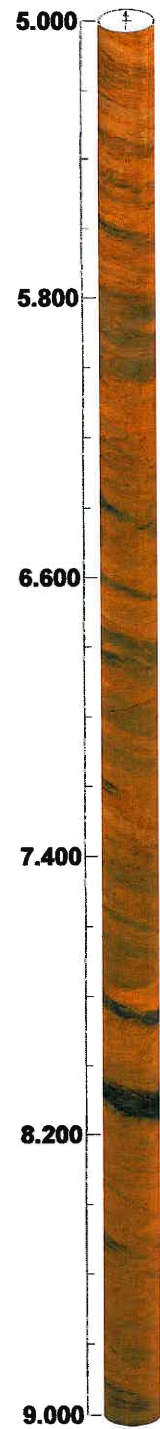
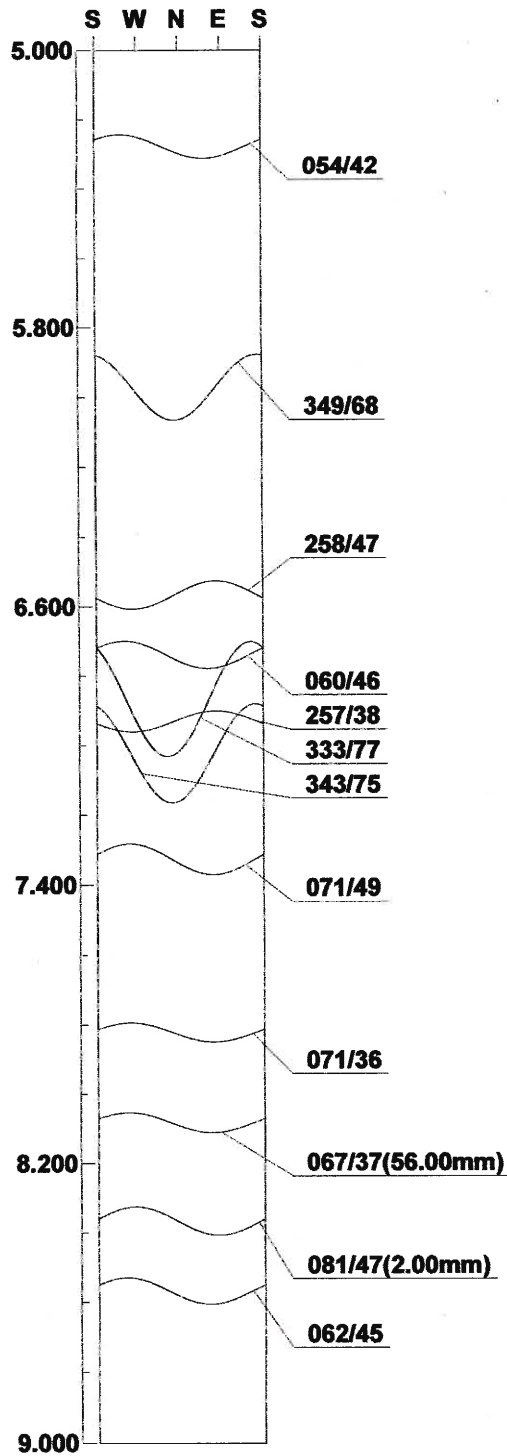
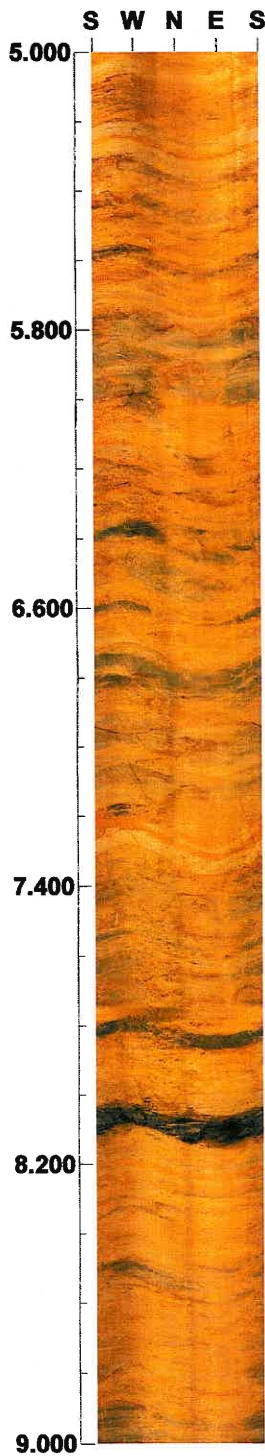
Aspect ratio: 200 %

Project name: BRUCE HIGHWAY UPGRADE SECTION C
Bore hole No.: C-58

Azimuth: 0

Inclination: -90

Depth range: 5.000 - 9.000 m



Scale: 1/20

Aspect ratio: 200 %

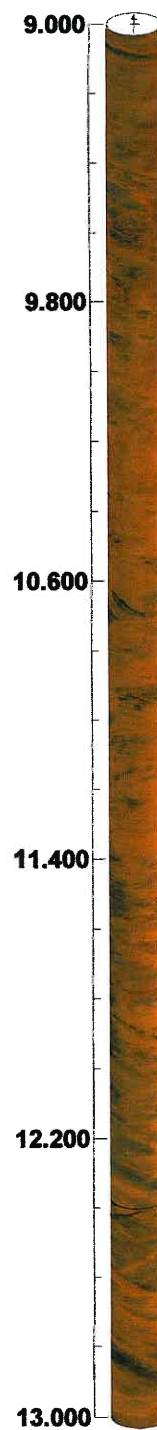
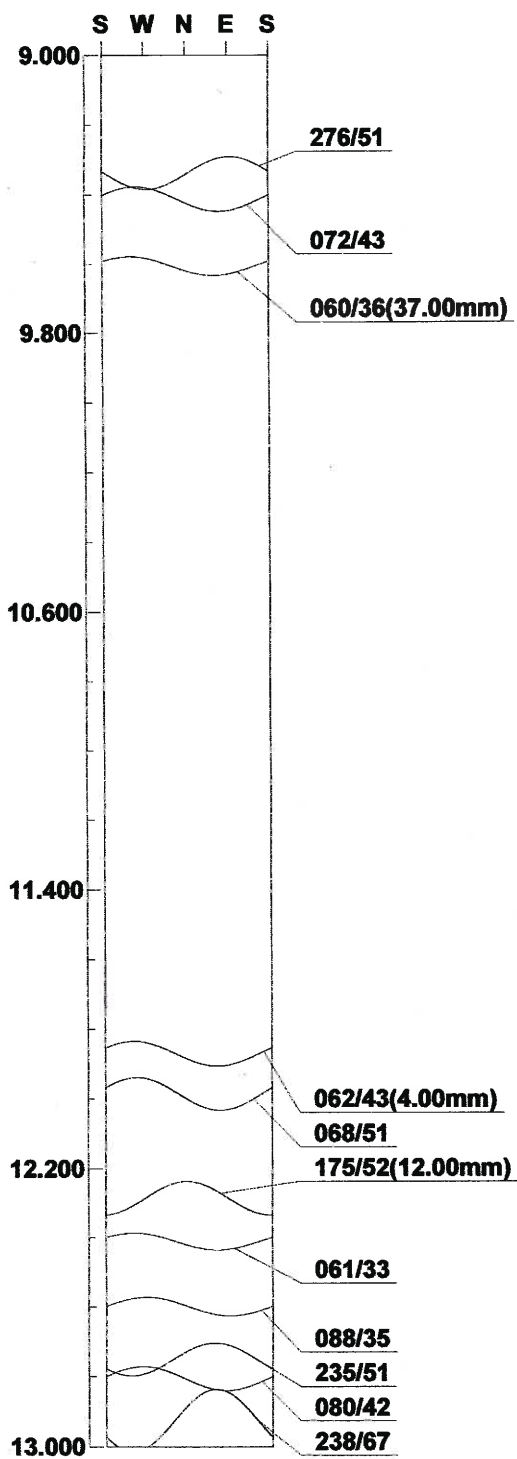
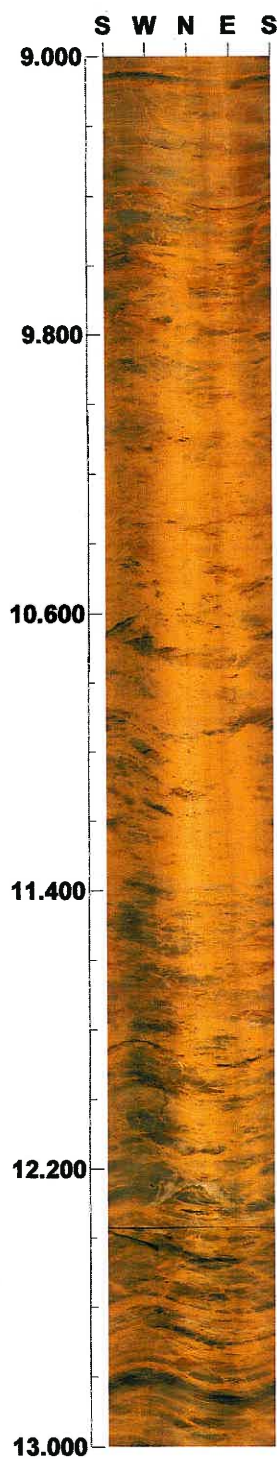
Project name: BRUCE HIGHWAY UPGRADE SECTION C

Bore hole No.: C-58

Azimuth: 0

Inclination: -90

Depth range: 9.000 - 13.000 m



Scale: 1/20

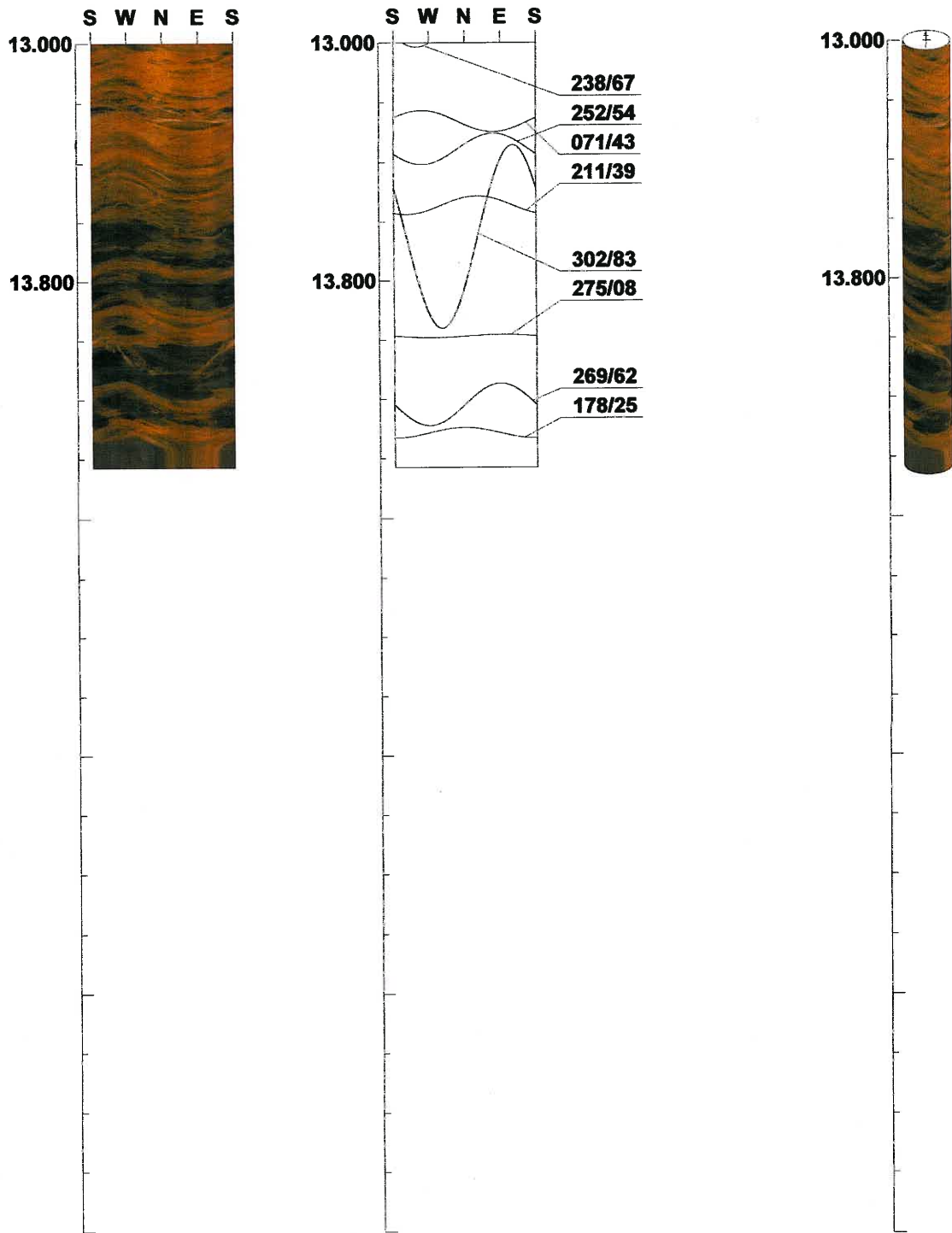
Aspect ratio: 200 %

Project name: BRUCE HIGHWAY UPGRADE SECTION C
Bore hole No.: C-58

Azimuth: 0

Inclination: -90

Depth range: 13.000 - 14.429 m



Scale: 1/20 Aspect ratio: 200 %

Tab. Table of Discontinuity (1 / 1)

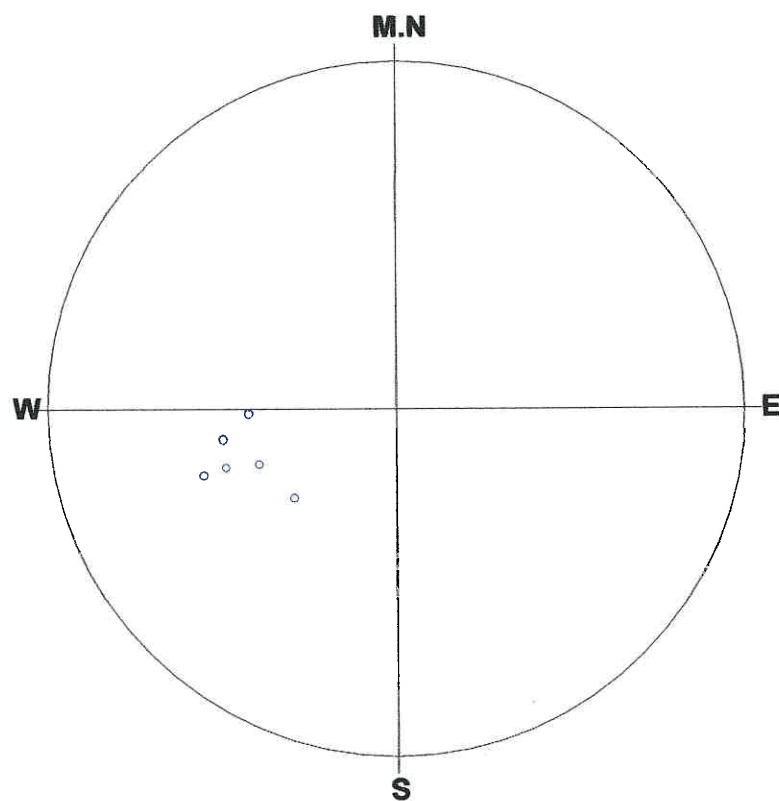
File name: C-58.STR

[]

No.	Depth (m)	Dir/Dip	Sort	Aperture (mm)	Form	Condition	Remark
1	3.490	337/75	Joint	0.3	Planar	Rough	Open
2	3.676	052/66	ShearZone	16.0	Planar	Brec/crus'd	Open
3	3.992	265/78	Joint	0.3	Undulating	Rough	Tight
4	4.117	049/32	Foliation	0.0	Planar	Smooth	Tight
5	4.366	051/42	Parting	0.5	Planar	Smooth	Open
6	4.392	203/70	Joint	0.3	Undulating	Rough	Open
7	4.506	221/70	Joint	0.3	Undulating	Rough	Open
8	4.544	359/83	Joint	0.5	Undulating	Rough	Open
9	4.695	240/76	Joint	0.5	Undulating	Rough	Open
10	4.924	068/35	Foliation	0.0	Planar	Smooth	Tight
11	5.278	054/42	ShearZone	7.0	Planar	Brec/crus'd	Open
12	5.972	349/68	Joint	0.3	Planar	Rough	Open
13	6.566	258/47	Joint	0.3	Planar	Smooth	Tight
14	6.739	060/46	Parting	0.5	Planar	Smooth	Open
15	6.866	333/77	Joint	0.3	Undulating	Rough	Tight
16	6.930	257/38	Joint	0.3	Planar	Rough	Open
17	7.022	343/75	Joint	0.3	Planar	Rough	Tight
18	7.326	071/49	Foliation	0.0	Planar	Smooth	Tight
19	7.821	071/36	Vein	40.0	Planar	Brec/crus'd	Open/loose
20	8.365	081/47	Vein	56.0	Planar	Brec/crus'd	Open/loose
21	8.365	081/47	Parting	2.0	Planar	Smooth	Open/fil'd
22	8.567	062/45	ShearZone	8.0	Planar	Brec/crus'd	Open
23	9.338	276/51	Joint	0.3	Planar	Smooth	Tight
24	9.413	072/43	ShearZone	42.0	Planar	Brec/crus'd	Open/loose
25	9.606	060/36	ShearZone	37.0	Planar	Brec/crus'd	Open
26	11.870	062/43	ShearZone	4.0	Planar	Brec/crus'd	Open/loose
27	11.985	068/51	ShearZone	11.0	Planar	Brec/crus'd	Open
28	12.285	175/52	Vein	12.0	Undulating	Smooth	Tight
29	12.411	061/33	Parting	0.5	Planar	Smooth	Open
30	12.599	088/35	Foliation	0.0	Planar	Smooth	Tight
31	12.750	235/51	Joint	0.3	Planar	Smooth	Tight
32	12.805	080/42	Foliation	0.0	Planar	Smooth	Tight
33	12.925	238/67	Joint	0.3	Undulating	Rough	Tight
34	13.262	071/43	Foliation	0.0	Planar	Smooth	Tight
35	13.355	252/54	Joint	0.3	Planar	Smooth	Tight
36	13.545	211/39	Joint	0.3	Planar	Smooth	Tight/fil'd
37	13.651	302/83	Joint	0.3	Planar	Rough	Tight/fil'd
38	13.987	275/08	Joint	0.3	Planar	Smooth	Open
39	14.217	270/62	Joint	0.3	Undulating	Smooth	Tight
40	14.313	178/25	Joint	1.0	Planar	Smooth	Open/fil'd

C-58.STR

<<FOLIATION>>



Number of Data : 6/40

<Legend>

○:Foliation	--	6	+ :Mineralban-	0
◇:Joint	--	0		
□:Parting	--	0		
△:Fault	--	0		
▽:ShearZone	--	0		
×:Vein	--	0		

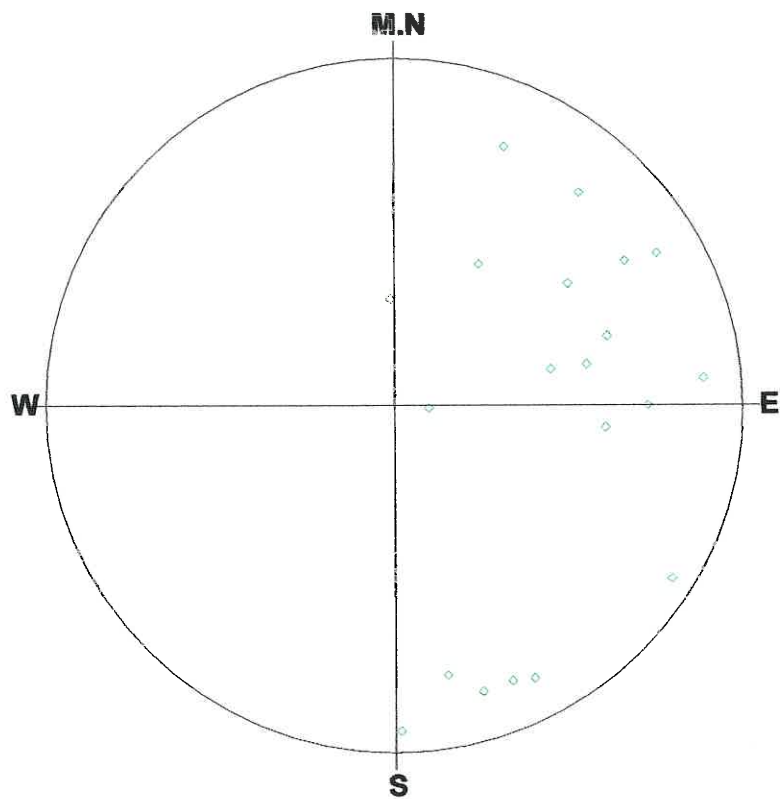
Schmidt (L.H)

Depth : 3.490 - 14.313 m

Aperture : 0.0 - 56.0 mm

C-58.STR

<<JOINT>>



Number of Data : 20/40

<Legend>

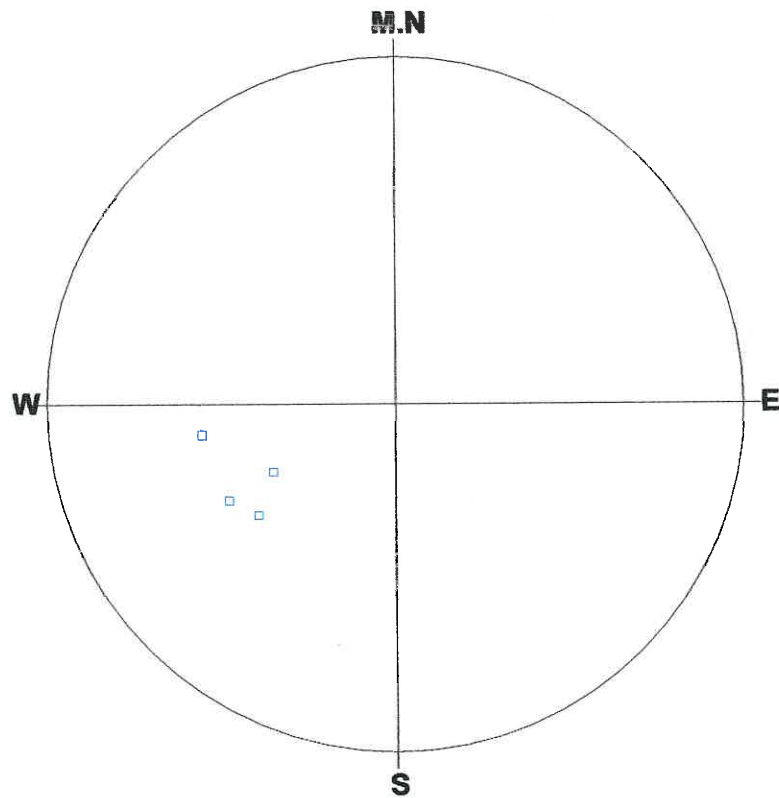
○:Foliation	--	0	+:Mineralban-	0
◇:Joint	--	20		
□:Parting	--	0		
△:Fault	--	0		
▽:ShearZone-		0		
×:Vein	--	0		

Schmidt (L.H)

Depth : 3.490 - 14.313 m

Aperture : 0.0 - 56.0 mm

C-58.STR
<<PARTING>>



Number of Data : 4/40

<Legend>

○:Foliation	--	0	+ :Mineralban-	0
◇:Joint	--	0		
□:Parting	--	4		
△:Fault	--	0		
▽:ShearZone-		0		
×:Vein	--	0		

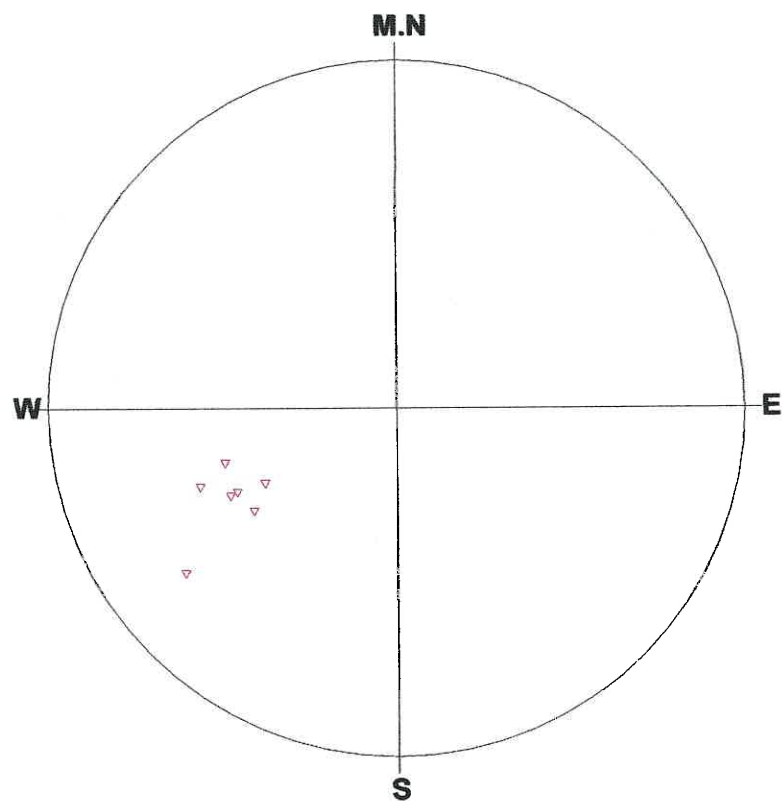
Schmidt (L.H)

Depth : 3.490 - 14.313 m

Aperture : 0.0 - 56.0 mm

C-58.STR

<<SHEAR ZONE>>



Number of Data : 7/40

<Legend>

○:Foliation	--	0	+ :Mineralban-	0
◇:Joint	--	0		
□:Parting	--	0		
△:Fault	--	0		
▽:ShearZone-		7		
×:Vein	--	0		

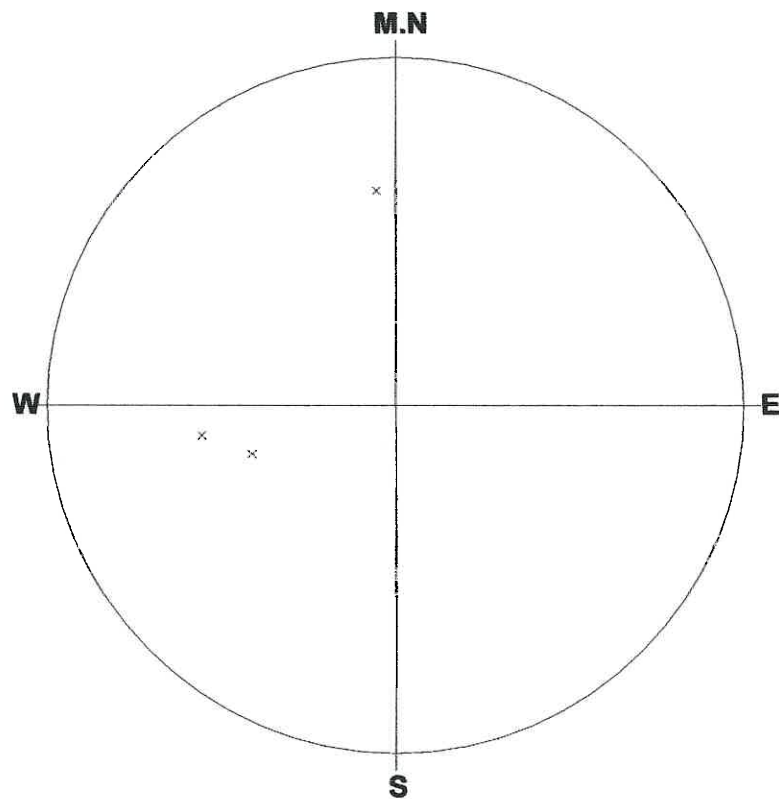
Schmidt (L.H)

Depth : 3.490 - 14.313 m

Aperture : 0.0 - 56.0 mm

C-58.STR

<<VEIN>>



Number of Data : 3/40

<Legend>

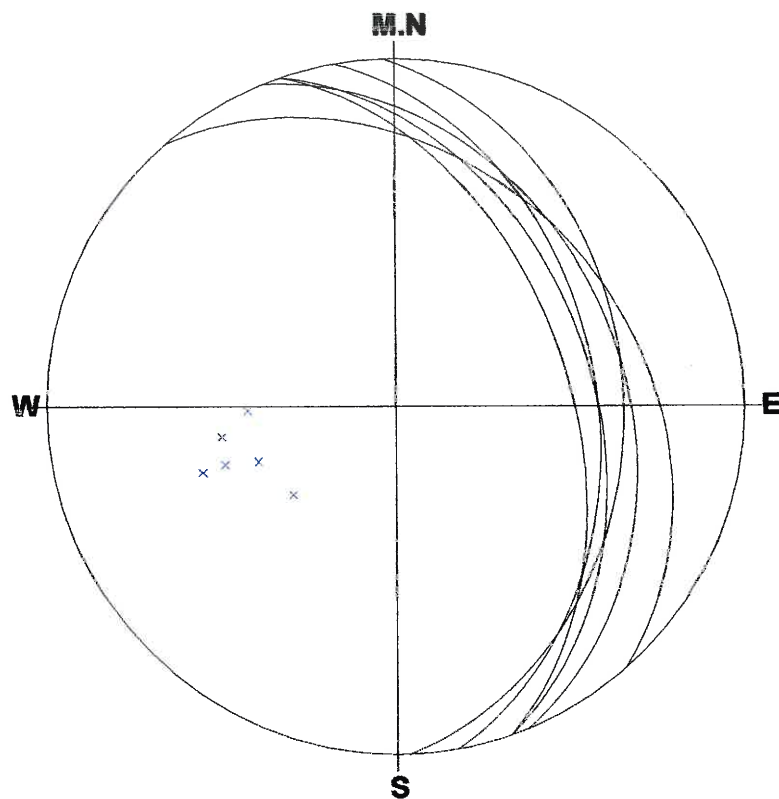
○:Foliation	--	0	+ :Mineralbar-	0
◇:Joint	--	0		
□:Parting	--	0		
△:Fault	--	0		
▽:ShearZone-		0		
×:Vein	--	3		

Schmidt (L.H)

Depth : 3.490 - 14.313 m

Aperture : 0.0 - 56.0 mm

C-58.STR
<<FOLIATION>>



Number of Data:6/40

1 : 049/32(4)	6 : 071/43(34)
2 : 068/35(10)	
3 : 071/49(18)	
4 : 088/35(30)	
5 : 080/42(32)	

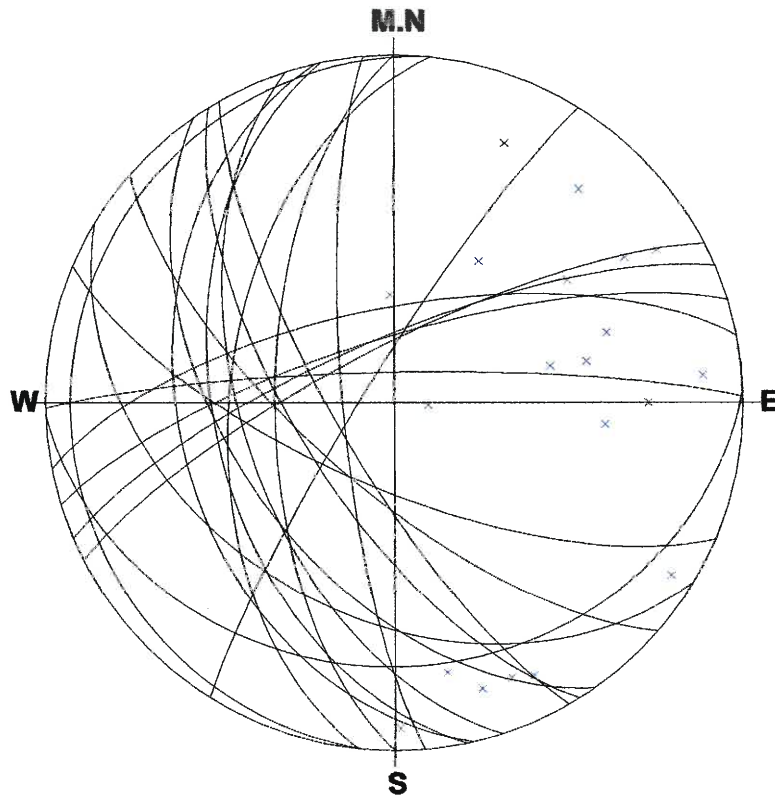
Schmidt (L.H)

Depth : 3.490 - 14.313 m

Aperture : 0.0 - 56.0 mm

C-58.STR

<<JOINT>>



Number of Data:20/40

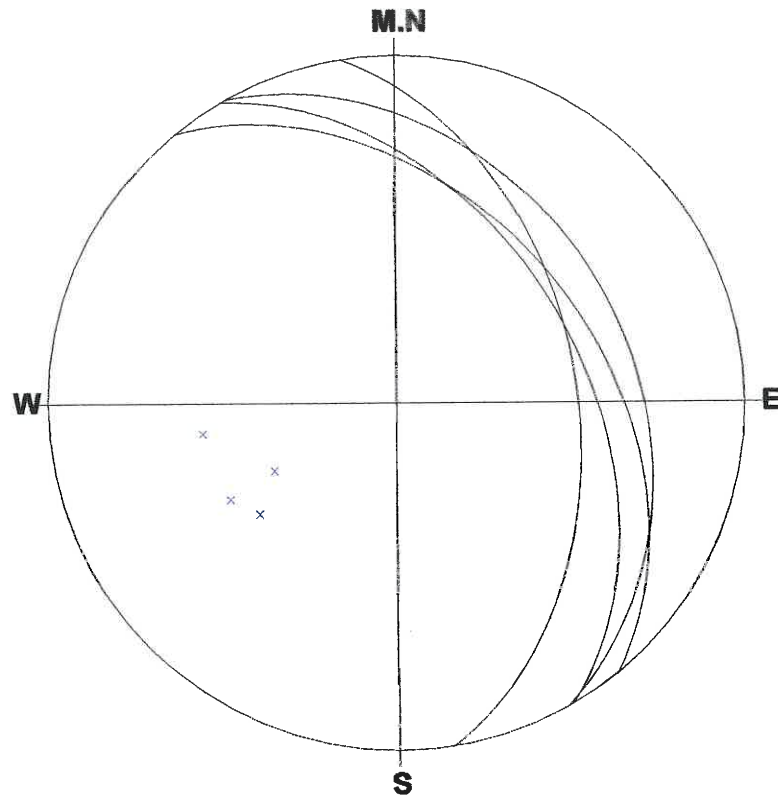
1 : 337/75(1)	6 : 240/76(9)
2 : 265/78(3)	7 : 349/68(12)
3 : 203/70(6)	8 : 258/47(13)
4 : 221/70(7)	9 : 333/77(15)
5 : 359/83(8)	10 : 257/38(16)

Schmidt (L.H)M

Depth : 3.490 - 14.313 m

Aperture : 0.0 - 56.0 mm

C-58.STR
<<PARTING>>



Number of Data:4/40

- 1 : 051/42(5)**
- 2 : 060/46(14)**
- 3 : 081/47(21)**
- 4 : 061/33(29)**

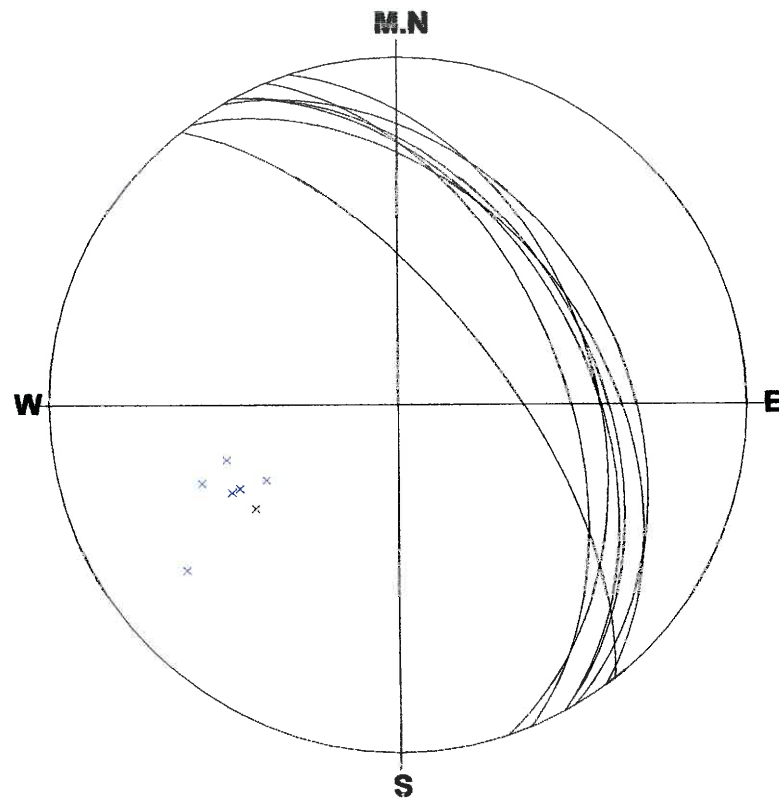
Schmidt (L.H)

Depth : 3.490 - 14.313 m

Aperture : 0.0 - 56.0 mm

C-58.STR

<<SHEAR ZONE>>



Number of Data:7/40

1 : 052/66(2)

6 : 062/43(26)

2 : 054/42(11)

7 : 068/51(27)

3 : 062/45(22)

4 : 072/43(24)

5 : 060/36(25)

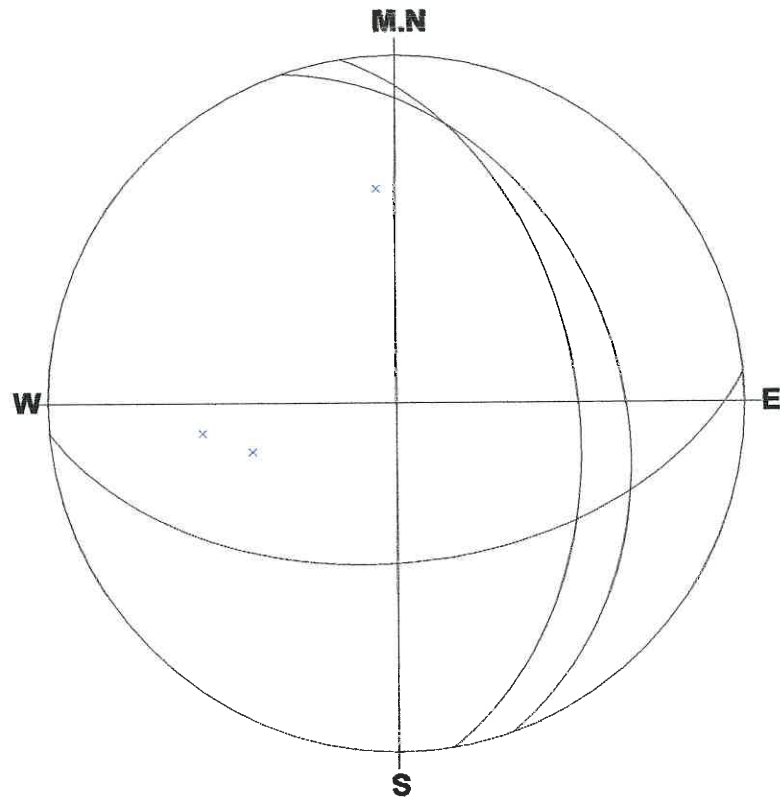
Schmidt (L.H)

Depth : 3.490 - 14.313 m

Aperture : 0.0 - 56.0 mm

C-58.STR

<<VEIN>>



Number of Data:3/40

1 : 071/36(19)

2 : 081/47(20)

3 : 175/52(28)

Schmidt (L.H)

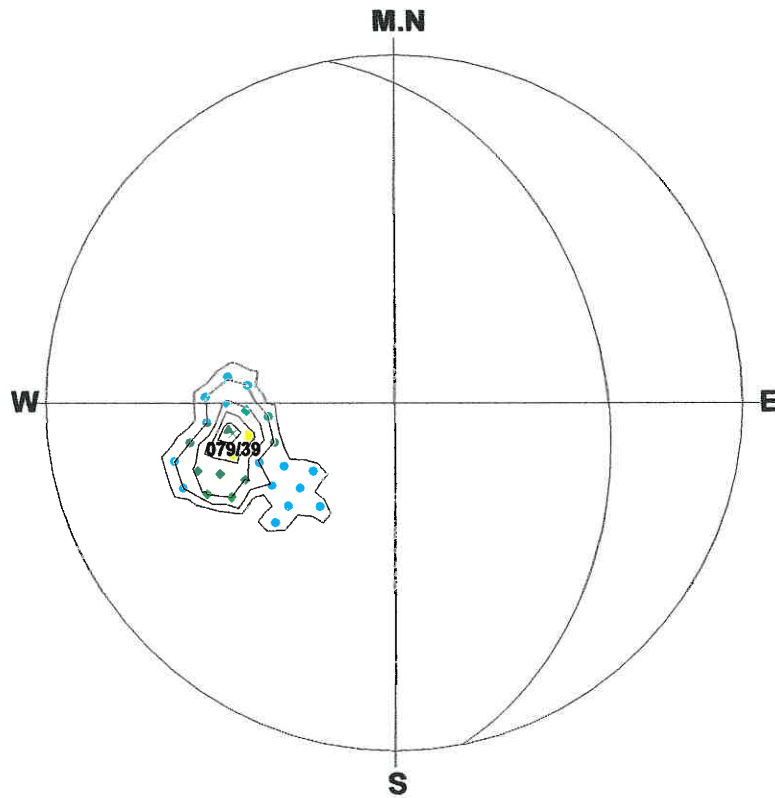
Depth : 3.490 - 14.313 m

Aperture : 0.0 - 56.0 mm

C-58.STR

<<FOLIATION>>

******* % Diagram *******



Number of Data : 6

<Legend> Sym. (%)

- ▲ : 66
- ▼ : 53 - 66
- : 40 - 53
- ◆ : 26 - 40
- : 13 - 26
- + : 0 - 13

Contour Value (%)

- Contour 1 : 0** ☐
- Contour 2 : 13** ☐
- Contour 3 : 26** ☐
- Contour 4 : 40** ☐
- Contour 5 : 53** ☐
- Contour 6 : 66** ☐

Schmidt (L.H)

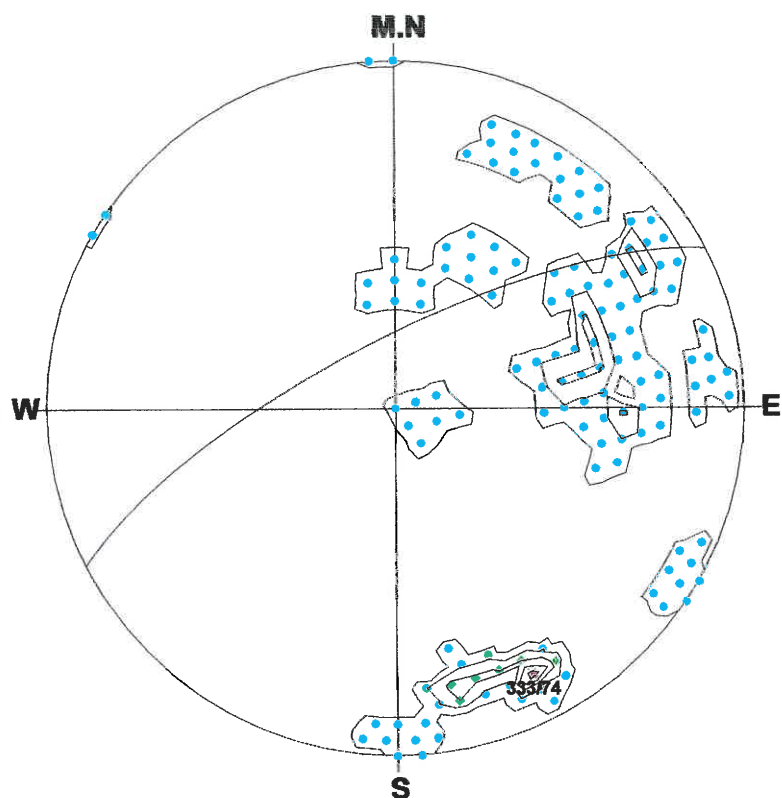
Depth : 3.490 - 14.313 m

Aperture : 0.0 - 56.0 mm

C-58.STR

<<JOINT>>

***** % Diagram *****



Number of Data : 20

<Legend> Sym. (%)

- ▲ : 20
- ▼ : 16 - 20
- : 12 - 16
- ◆ : 8 - 12
- : 4 - 8
- ⊕ : 0 - 4

Contour Value (%)

- Contour 1 : 0
- Contour 2 : 4
- Contour 3 : 8
- Contour 4 : 12
- Contour 5 : 16
- Contour 6 : 20

Schmidt (L.H)

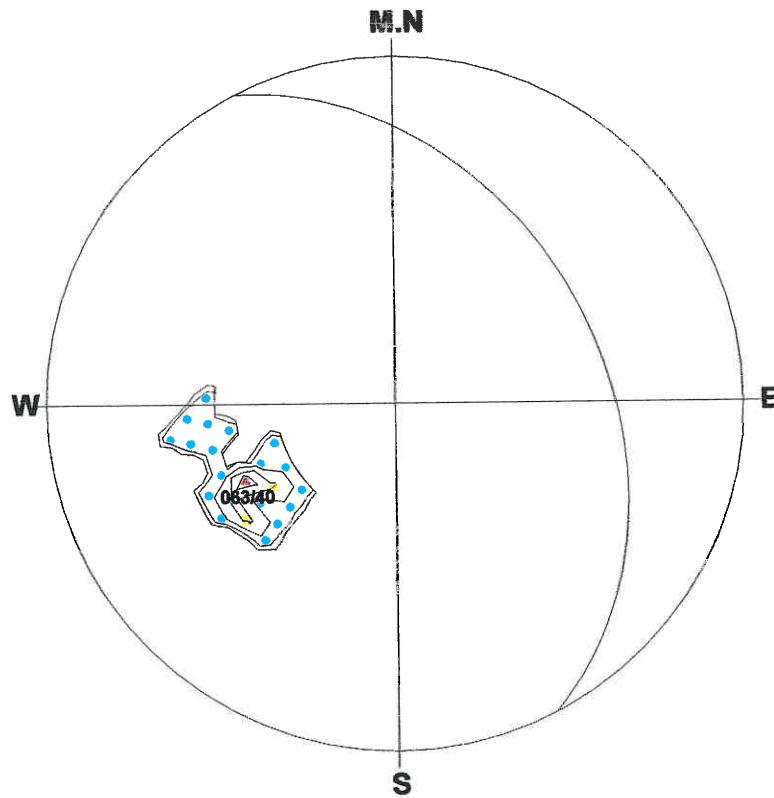
Depth : 3.490 - 14.313 m

Aperture : 0.0 - 56.0 mm

C-58.STR

<<PARTING>>

******* % Diagram *******



Number of Data : 4

<Legend> Sym. (%)

- ▲ : 75**
- ▼ : 60 - 75**
- : 45 - 60**
- ◆ : 30 - 45**
- : 15 - 30**
- ⊕ : 0 - 15**

Contour Value (%)

- Contour 1 : 0** ☐
- Contour 2 : 15** ☐
- Contour 3 : 30** ☐
- Contour 4 : 45** ☐
- Contour 5 : 60** ☐
- Contour 6 : 75** ☐

Schmidt (L.H)

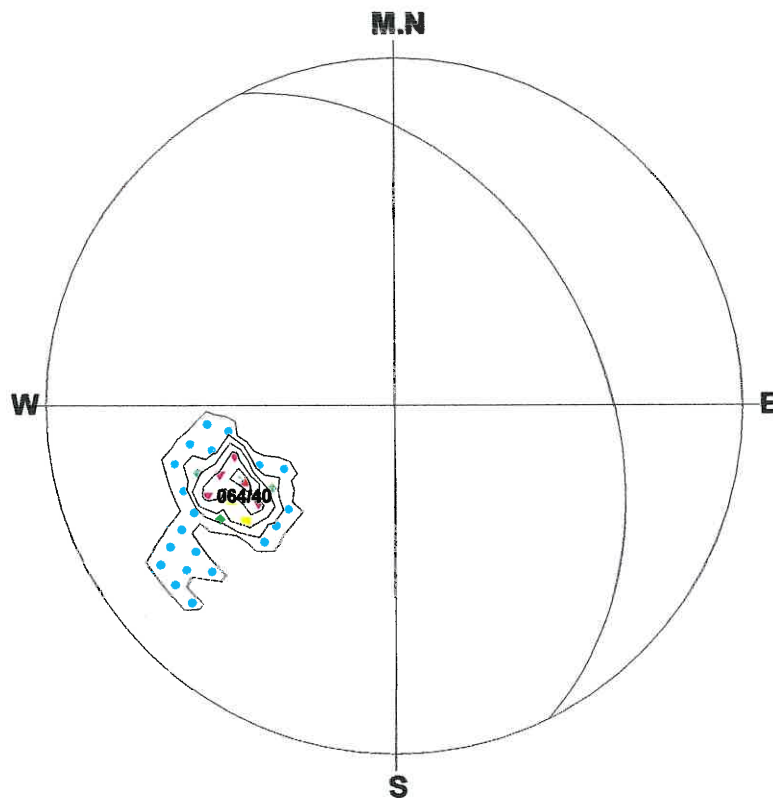
Depth : 3.490 - 14.313 m

Aperture : 0.0 - 56.0 mm

C-58.STR

<<SHEAR ZONE>>

******* % Diagram *******



Number of Data : 7

<Legend> Sym. (%)

- ▲ : 71
- ▼ : 57 - 71
- : 42 - 57
- ◆ : 28 - 42
- : 14 - 28
- + : 0 - 14

Contour Value (%)

- Contour 1 : 0** ☐
- Contour 2 : 14** ☐
- Contour 3 : 28** ☐
- Contour 4 : 42** ☐
- Contour 5 : 57** ☐
- Contour 6 : 71** ☐

Schmidt (L.H)

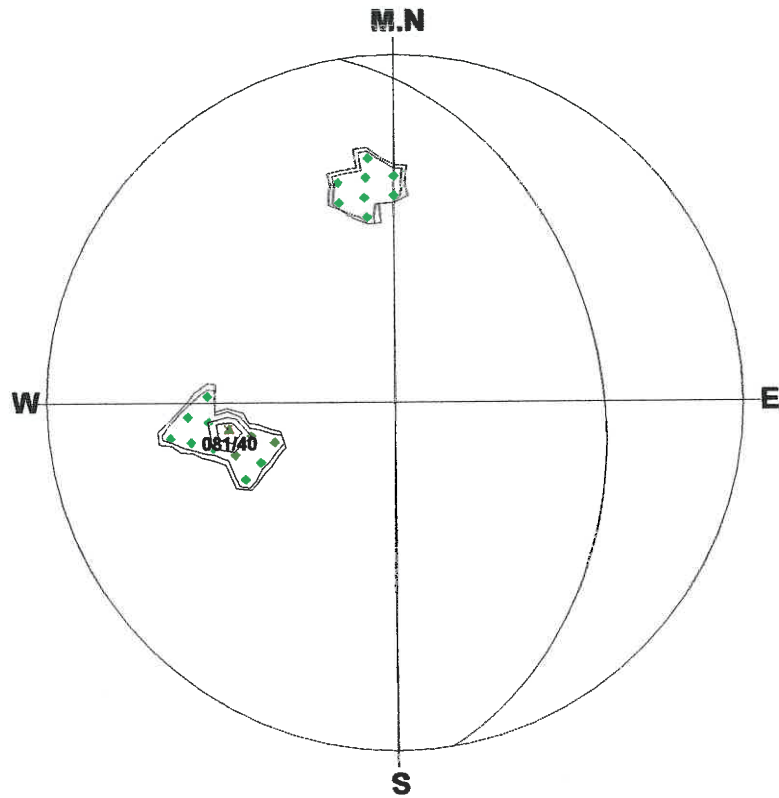
Depth : 3.490 - 14.313 m

Aperture : 0.0 - 56.0 mm

C-58.STR

<<VEIN>>

***** % Diagram *****



Number of Data : 3

<Legend> Sym. (%)

- ▲ : 66
- ▼ : 53 - 66
- : 40 - 53
- ◆ : 26 - 40
- : 13 - 26
- ⊕ : 0 - 13

Contour Value (%)

- Contour 1 : 0
- Contour 2 : 13
- Contour 3 : 26
- Contour 4 : 40
- Contour 5 : 53
- Contour 6 : 66

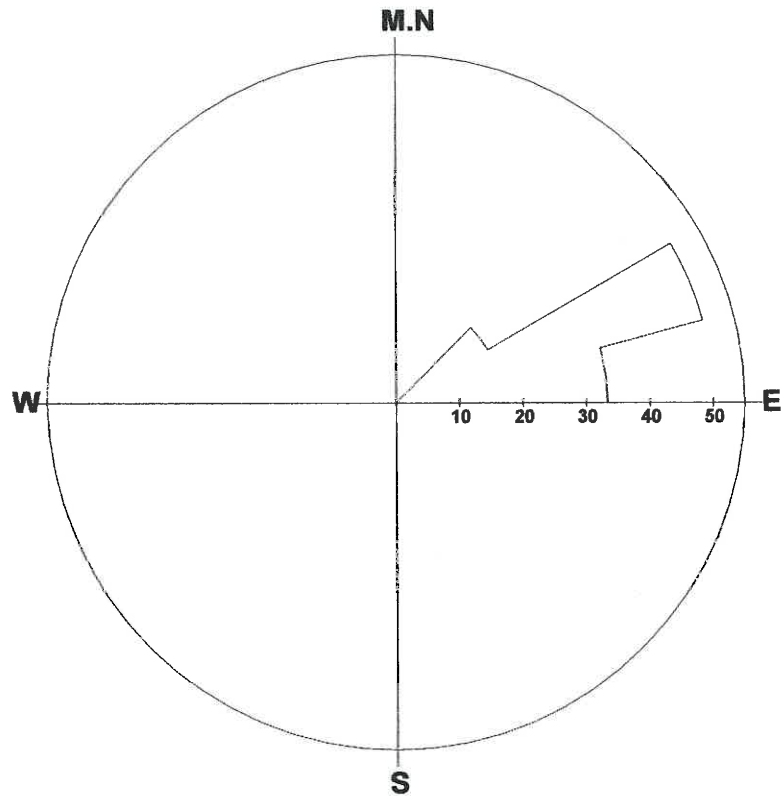


Schmidt (L.H)

Depth : 3.490 - 14.313 m

Aperture : 0.0 - 56.0 mm

C-58.STR
<<FOLIATION>>



Number of Data : 6/40

Max : 50.0%

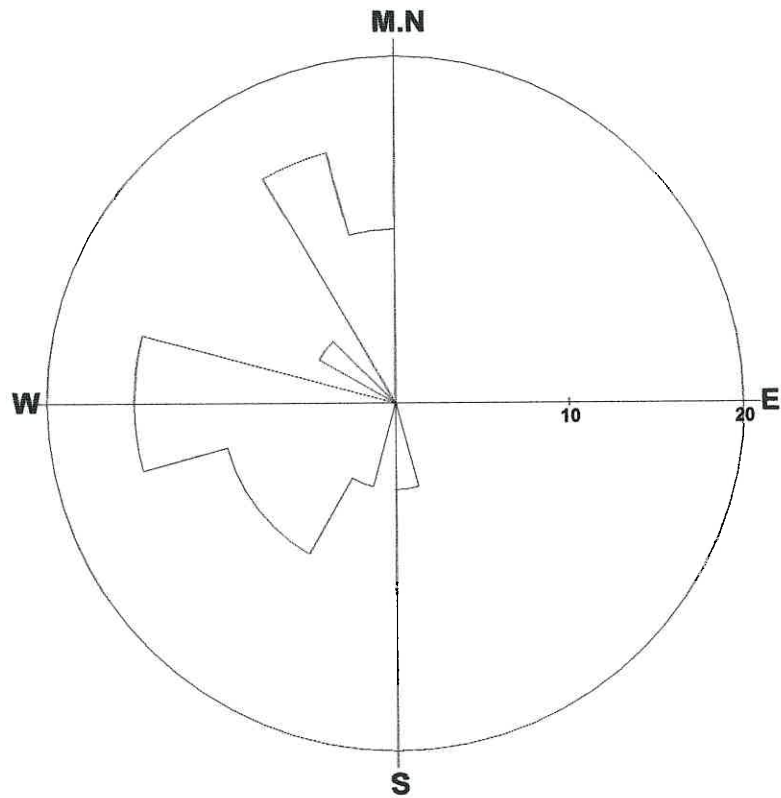
Grouping Angle : 15 deg

Dir	%	Dir	%	Dir	%
0-	0	135-	0	270-	0
15-	0	150-	0	285-	0
30-	0	165-	0	300-	0
45-	17	180-	0	315-	0
60-	50	195-	0	330-	0
75-	33	210-	0	345-	0
90-	0	225-	0		
105-	0	240-	0		
120-	0	255-	0		

Depth : 3.490 - 14.313 m

Aperture : 0.0 - 56.0 mm

C-58.STR
<<JOINT>>



Number of Data : 20/40

Max : 15.0%

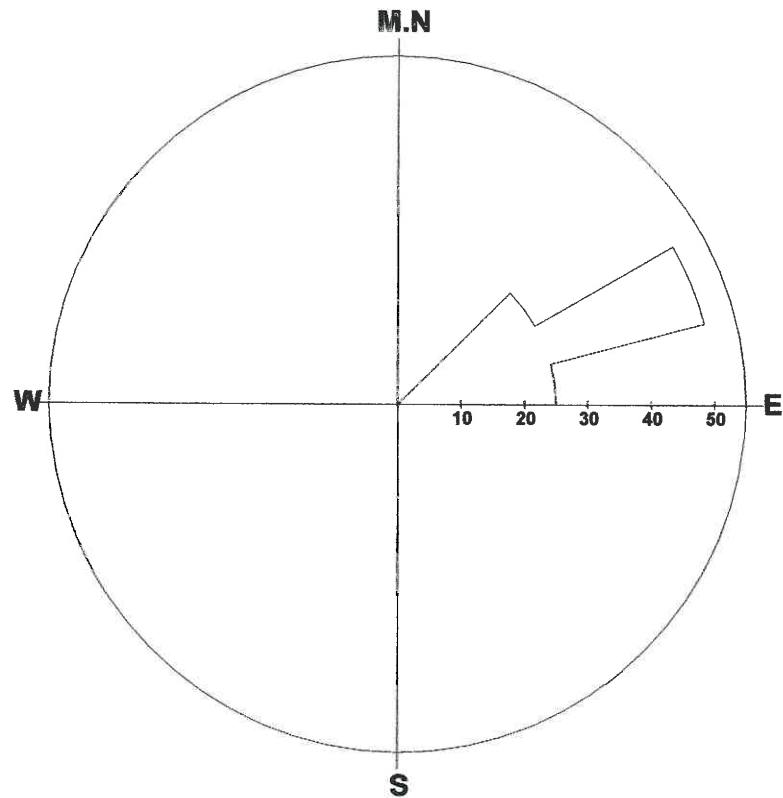
Grouping Angle : 15 deg

Dir	%	Dir	%	Dir	%
0-	0	135-	0	270-	15
15-	0	150-	0	285-	0
30-	0	165-	5	300-	5
45-	0	180-	0	315-	0
60-	0	195-	5	330-	15
75-	0	210-	10	345-	10
90-	0	225-	10		
105-	0	240-	10		
120-	0	255-	15		

Depth : 3.490 - 14.313 m

Aperture : 0.0 - 56.0 mm

C-58.STR
<<PARTING>>



Number of Data : 4/40

Max : 50.0%

Grouping Angle : 15 deg

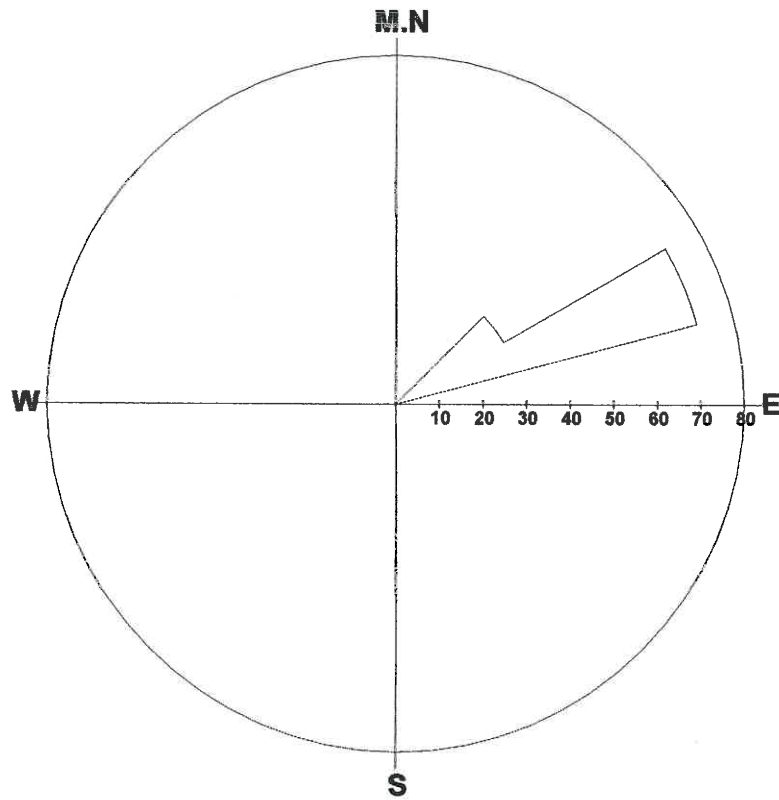
Dir	%	Dir	%	Dir	%
0-	0	135-	0	270-	0
15-	0	150-	0	285-	0
30-	0	165-	0	300-	0
45-	25	180-	0	315-	0
60-	50	195-	0	330-	0
75-	25	210-	0	345-	0
90-	0	225-	0		
105-	0	240-	0		
120-	0	255-	0		

Depth : 3.490 - 14.313 m

Aperture : 0.0 - 56.0 mm

C-58.STR

<<SHEAR ZONE>>



Number of Data : 7/40

Max : 71.4%

Grouping Angle : 15 deg

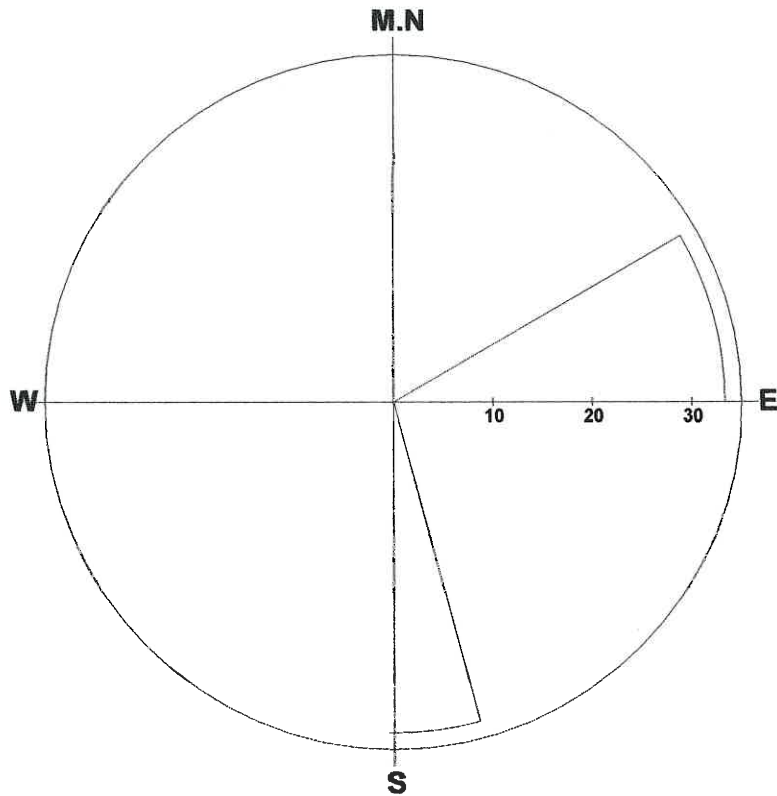
Dir	%	Dir	%	Dir	%
0-	0	135-	0	270-	0
15-	0	150-	0	285-	0
30-	0	165-	0	300-	0
45-	29	180-	0	315-	0
60-	71	195-	0	330-	0
75-	0	210-	0	345-	0
90-	0	225-	0		
105-	0	240-	0		
120-	0	255-	0		

Depth : 3.490 - 14.313 m

Aperture : 0.0 - 56.0 mm

C-58.STR

<<VEIN>>



Number of Data : 3/40

Max : 33.3%

Grouping Angle : 15 deg

Dir	%	Dir	%	Dir	%
0-	0	135-	0	270-	0
15-	0	150-	0	285-	0
30-	0	165-	33	300-	0
45-	0	180-	0	315-	0
60-	33	195-	0	330-	0
75-	33	210-	0	345-	0
90-	0	225-	0		
105-	0	240-	0		
120-	0	255-	0		

Depth : 3.490 - 14.313 m

Aperture : 0.0 - 56.0 mm

Title: C-58.STR
 Comment: JOINT
 Depth: 3.490 - 14.313 m
 Aperture: 0.0 - 56.0 mm

Sort: 1/ 7
 Form: 5/ 5
 Condition: 11/11
 Remark: 9/ 9

2011/ 8/ 30
 Elevation: 0.000m
 Water Level: 12.370m

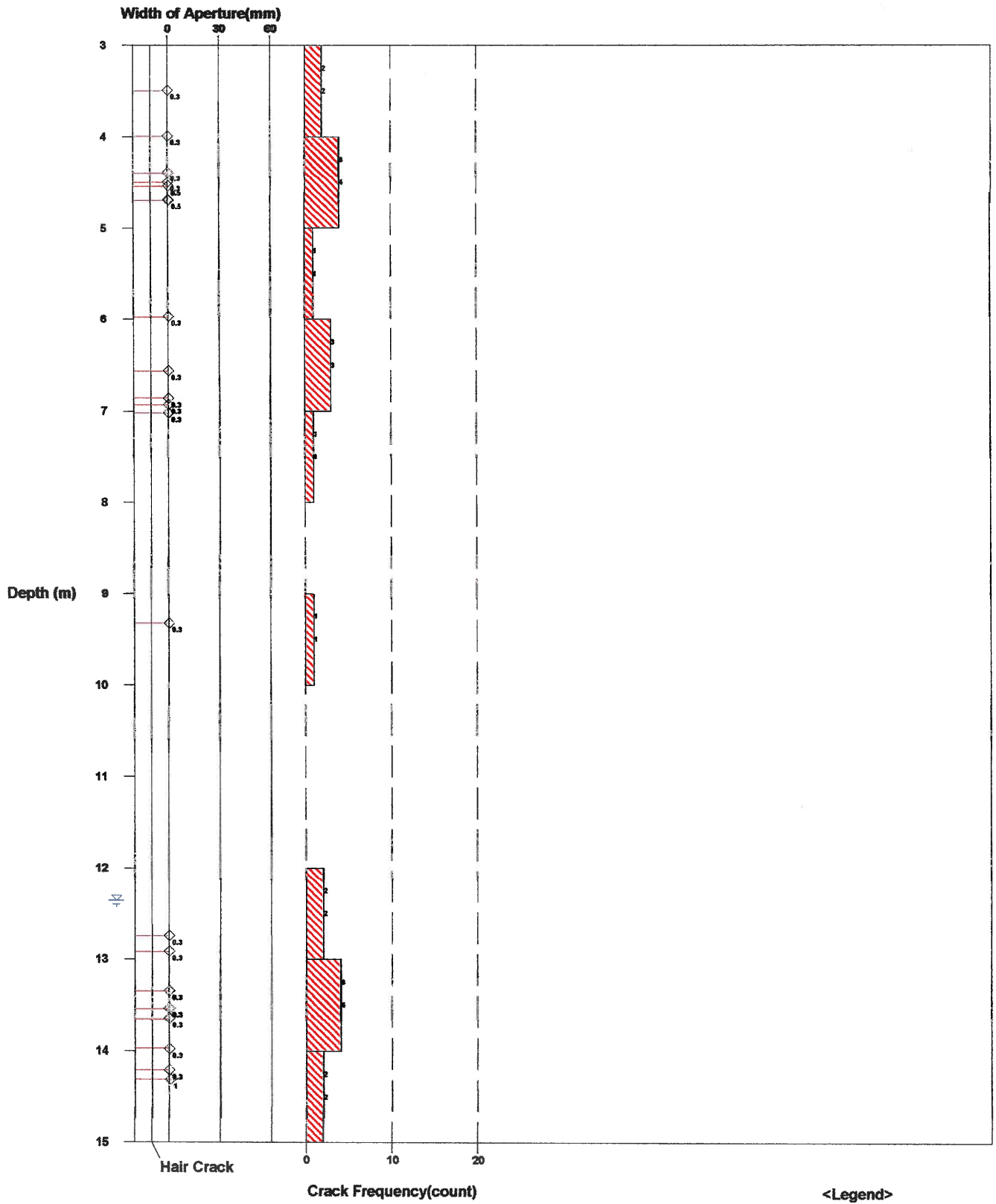


Fig. Rock Mass Condition Graph

☐ All Crack Frequency
☐ Open Crack Frequency
 Water Level

Title: C-58.STR
 Comment: PARTING
 Depth: 3.490 - 14.313 m
 Aperture: 0.0 - 56.0 mm

Sort: 1/ 7
 Form: 5/ 5
 Condition: 11/11
 Remark: 9/ 9

2011/ 8/ 30
 Elevation: 0.000m
 Water Level: 12.370m

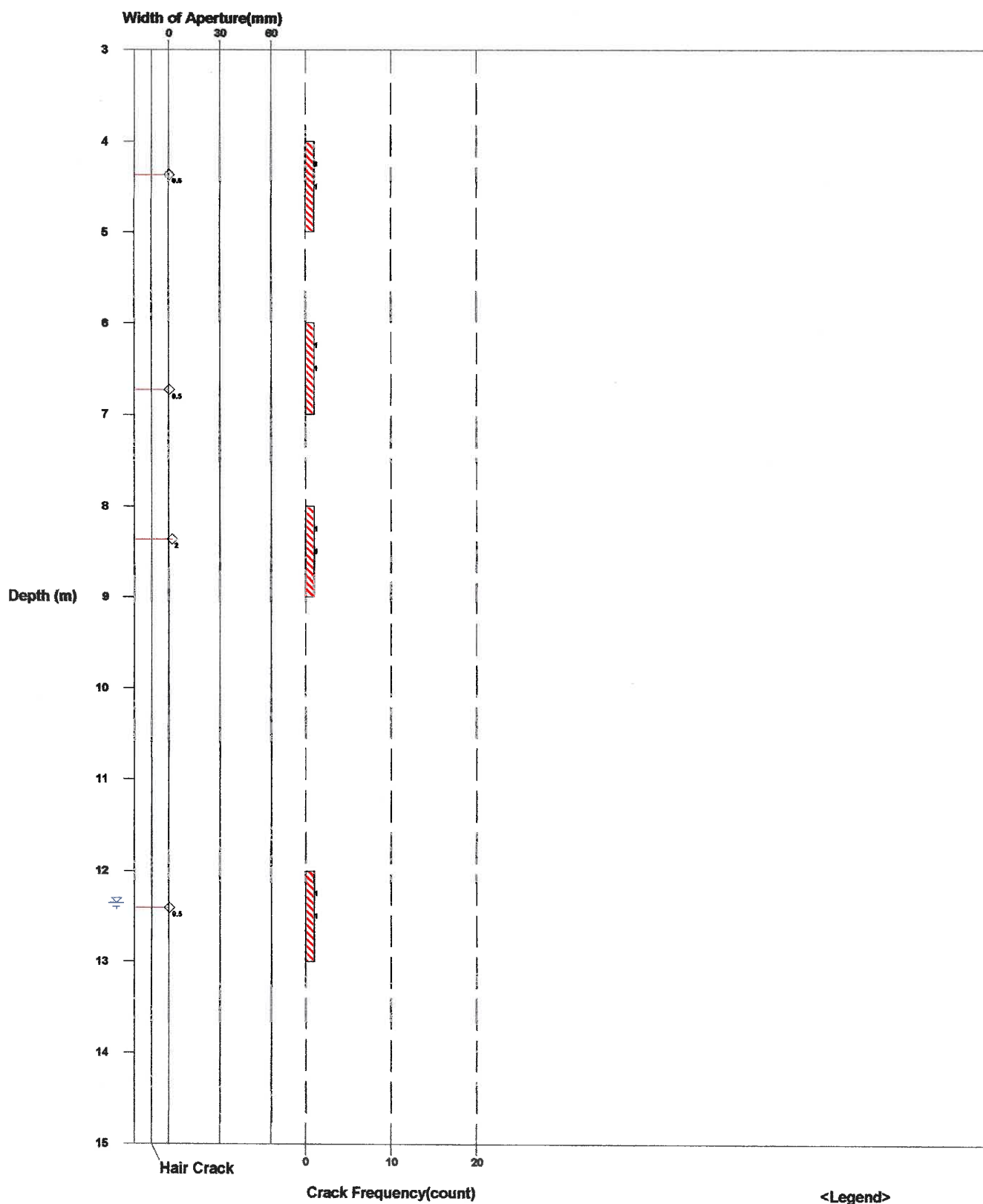


Fig. Rock Mass Condition Graph

☐ All Crack Frequency
☐ Open Crack Frequency
 Water Level

Title: C-58.STR
 Comment: SHEAR ZONE
 Depth: 3.490 - 14.313 m
 Aperture: 0.0 - 56.0 mm

Sort: 1/ 7
 Form: 5/ 5
 Condition: 11/11
 Remark: 9/ 9

2011/ 8/ 30
 Elevation: 0.000m
 Water Level: 12.370m

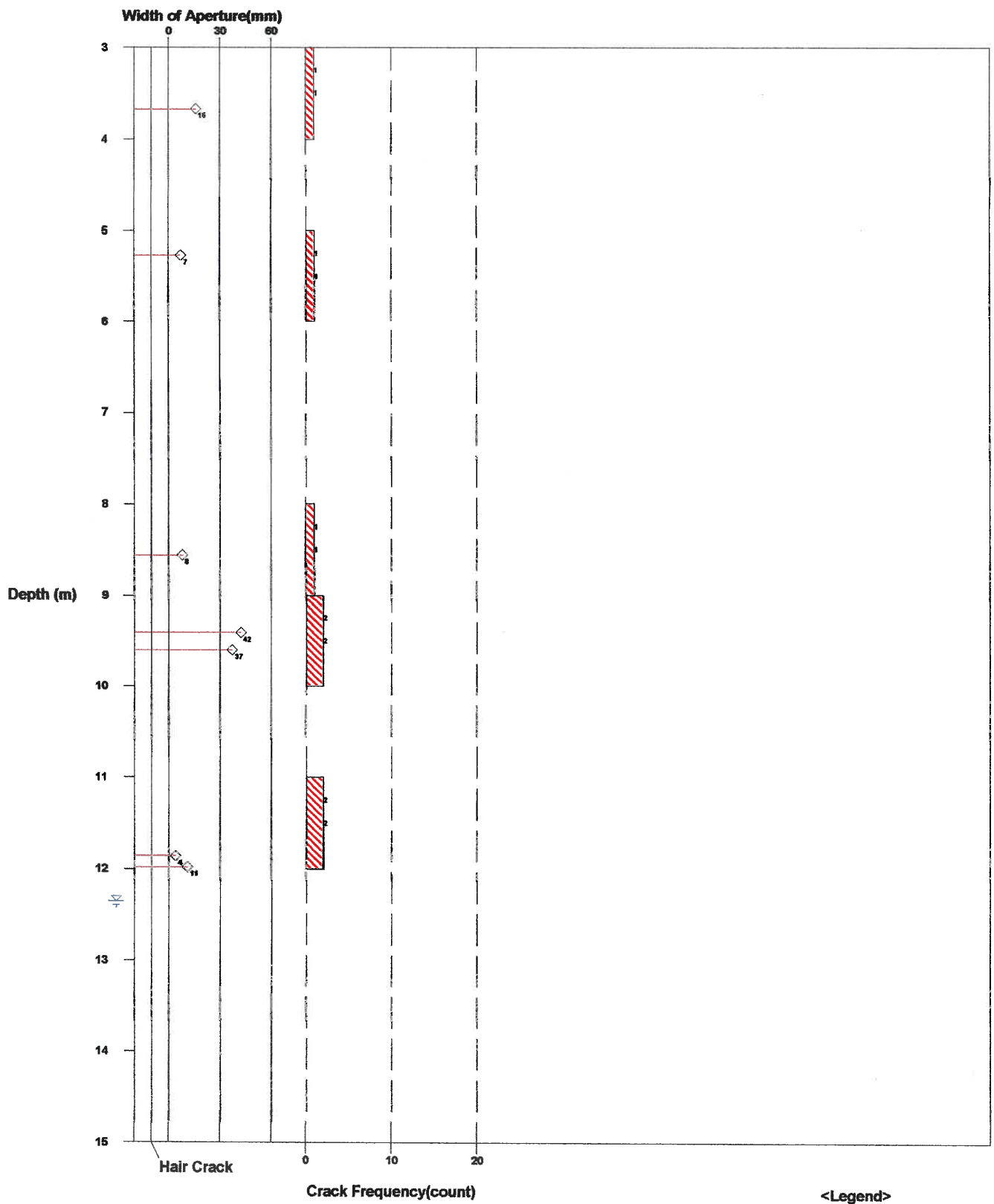


Fig. Rock Mass Condition Graph

☒ All Crack Frequency
☐ Open Crack Frequency
 Water Level

Title: C-58.STR
 Comment: VEIN
 Depth: 3.490 - 14.313 m
 Aperture: 0.0 - 56.0 mm

Sort: 1/ 7
 Form: 5/ 5
 Condition: 11/11
 Remark: 9/ 9

2011/ 8/ 30
 Elevation: 0.000m
 Water Level: 12.370m

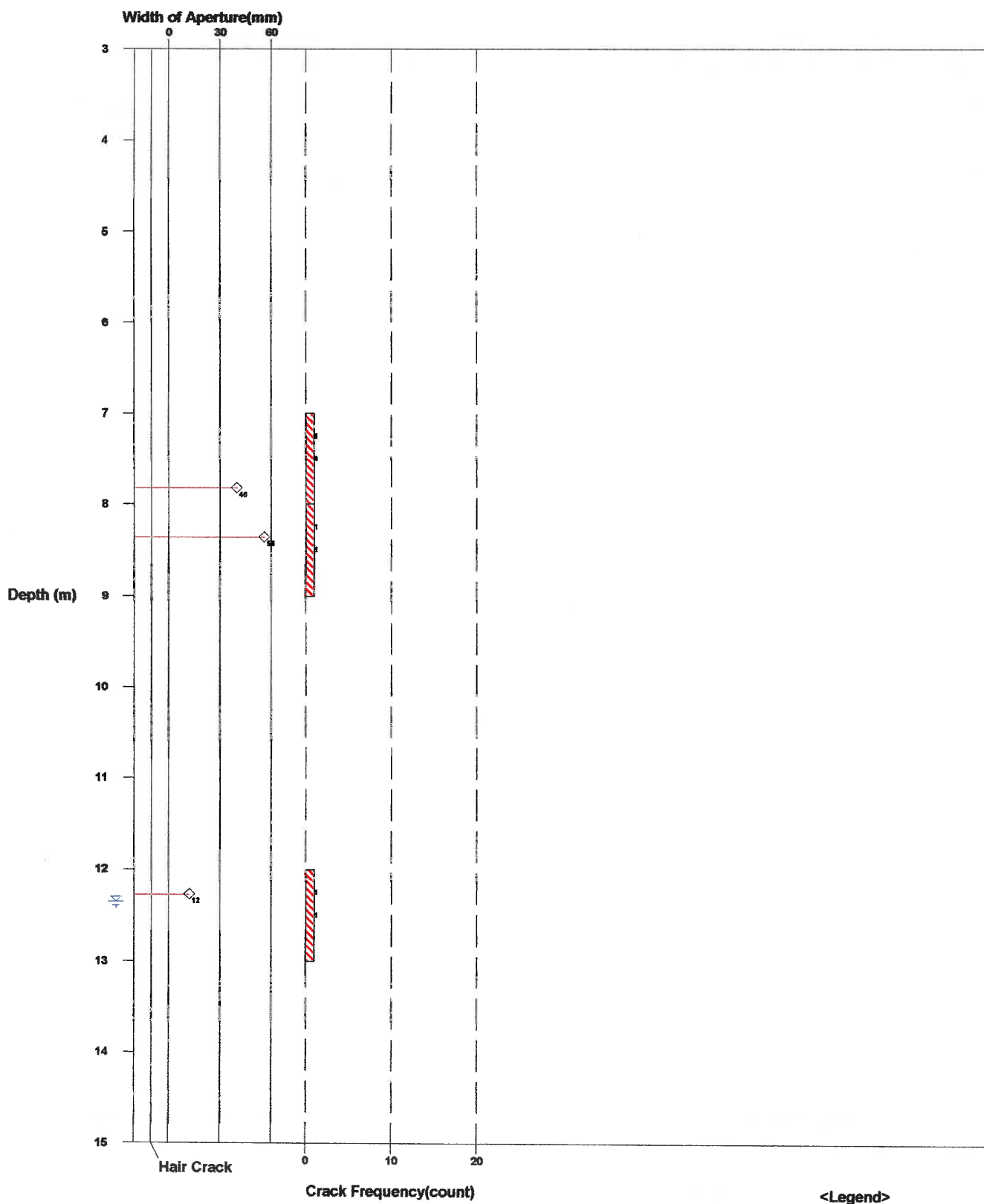


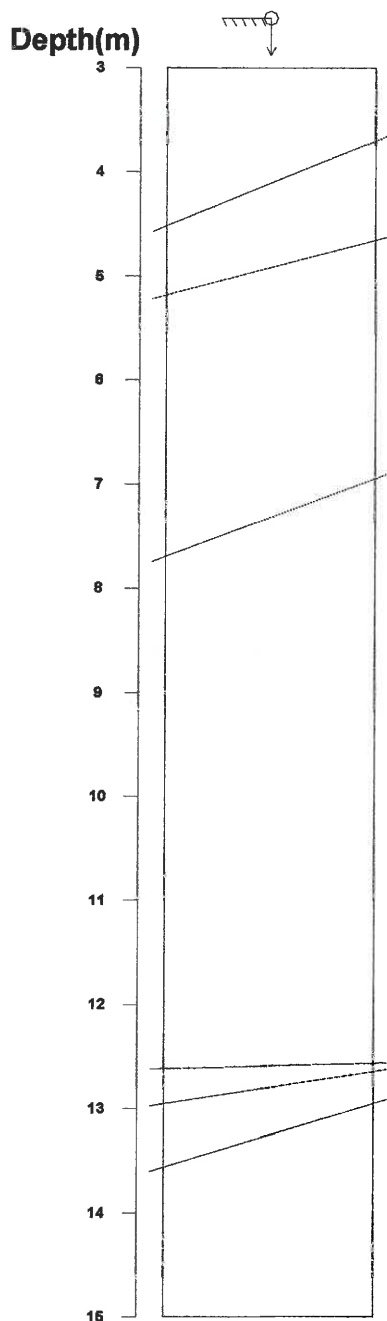
Fig. Rock Mass Condition Graph

☐ All Crack Frequency
☐ Open Crack Frequency
 Water Level

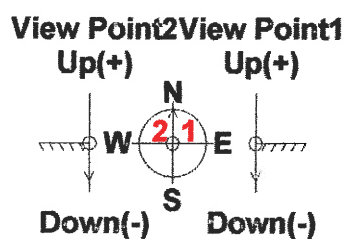
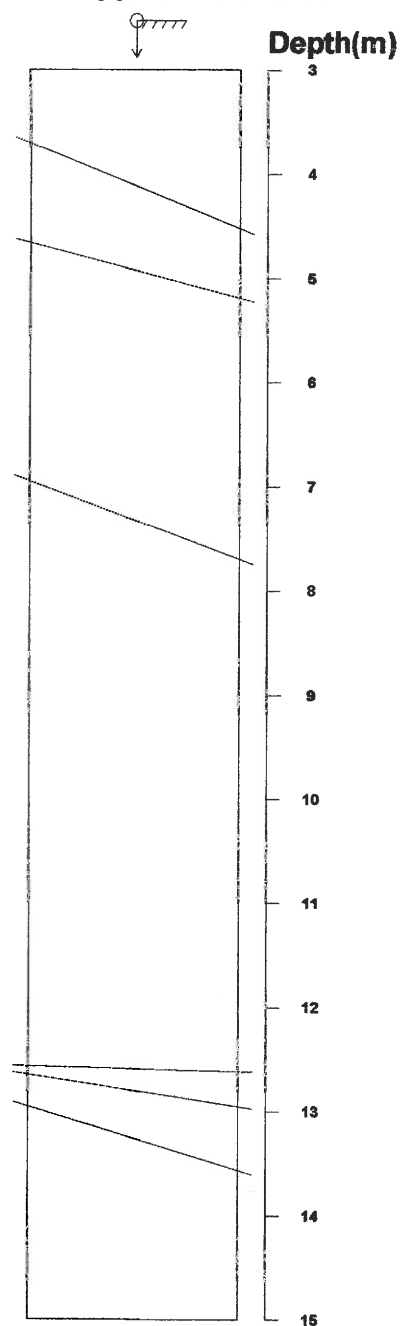
Title: C-58.STR
 Comment: FOLIATION
 Depth: 3.490 - 14.313 m
 Aperture: 0.0 - 56.0 mm

Sort: 1/ 7
 Form: 5/ 5
 Condition: 11/11
 Remark: 9/ 9

View Point 2
Profile of Apparent Borehole



View Point 1
Profile of Apparent Borehole



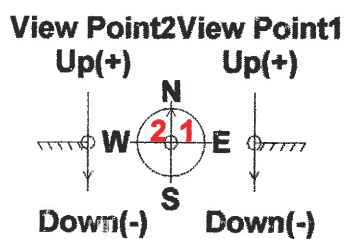
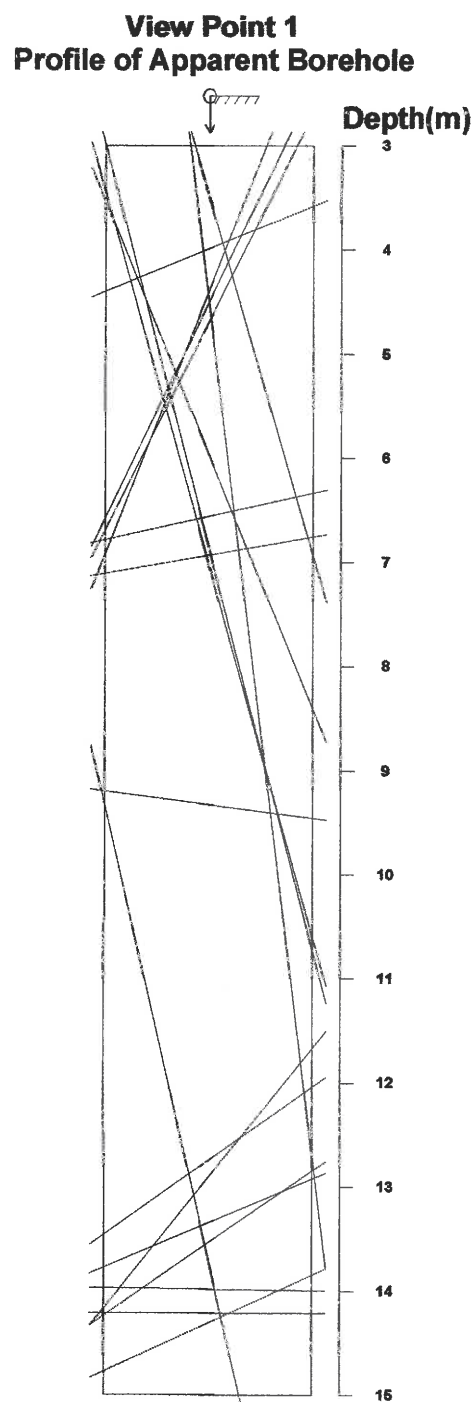
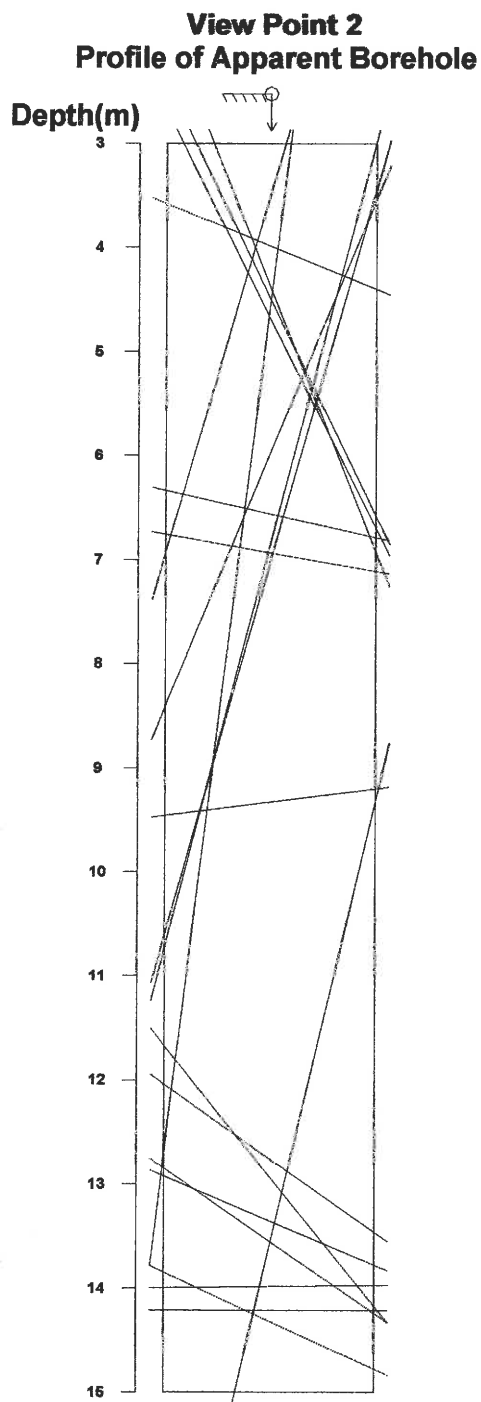
Direction: 0 deg
 Inclination: Vertical(Down)

<Legend>
 Entrance G.L.
 Bottom

Fig. Apparent Dip

Title: C-58.STR
Comment: JOINT
Depth: 3.490 - 14.313 m
Aperture: 0.0 - 56.0 mm

Sort: 1/ 7
Form: 5/ 5
Condition: 11/11
Remark: 9/ 9



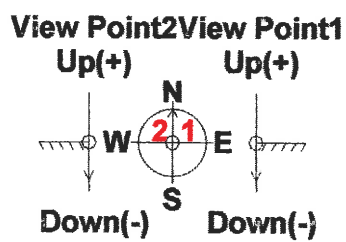
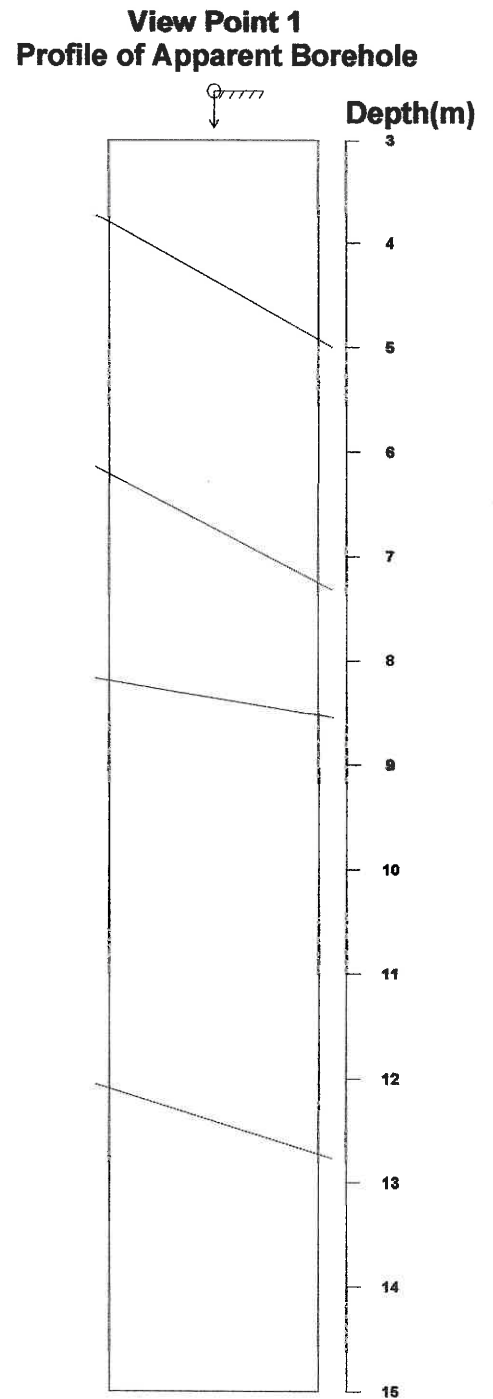
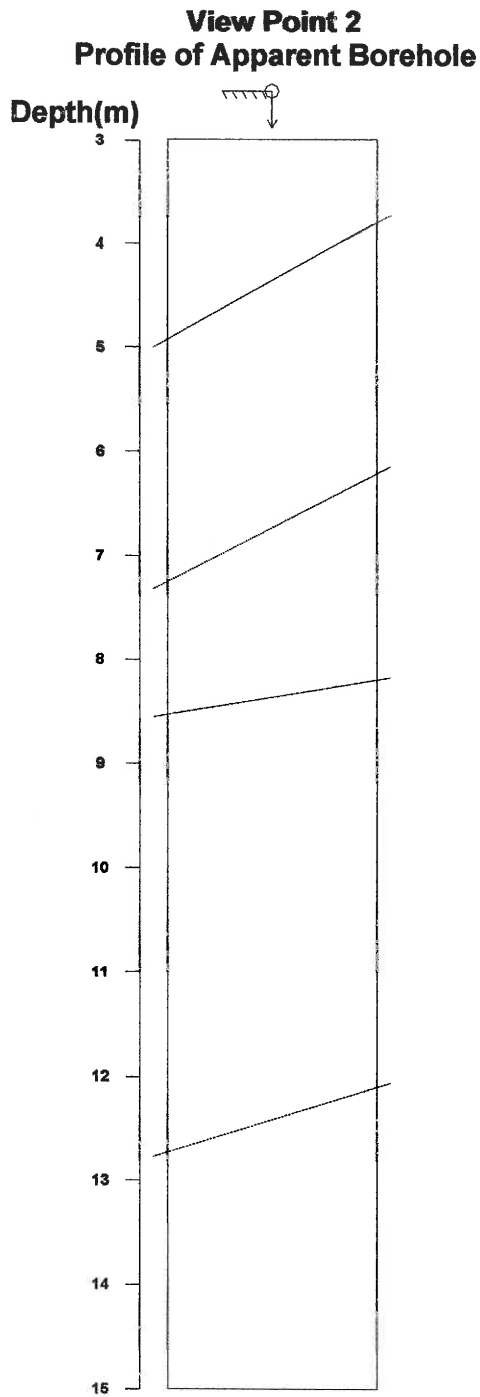
Direction: 0 deg
Inclination: Vertical(Down)

<Legend>
 Entrance G.L.
 Bottom

Fig. Apparent Dip

Title: C-58.STR
 Comment: PARTING
 Depth: 3.490 - 14.313 m
 Aperture: 0.0 - 56.0 mm

Sort: 1/ 7
 Form: 5/ 5
 Condition: 11/11
 Remark: 9/ 9



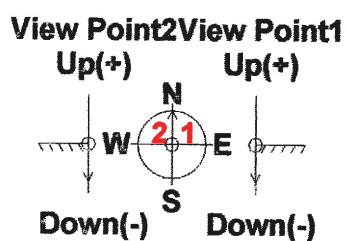
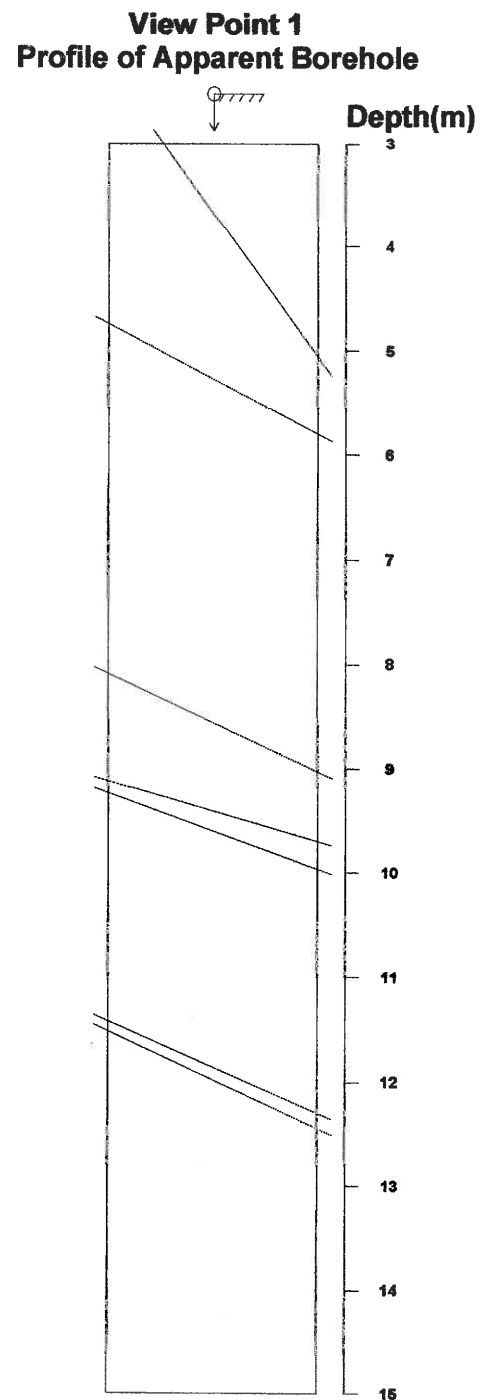
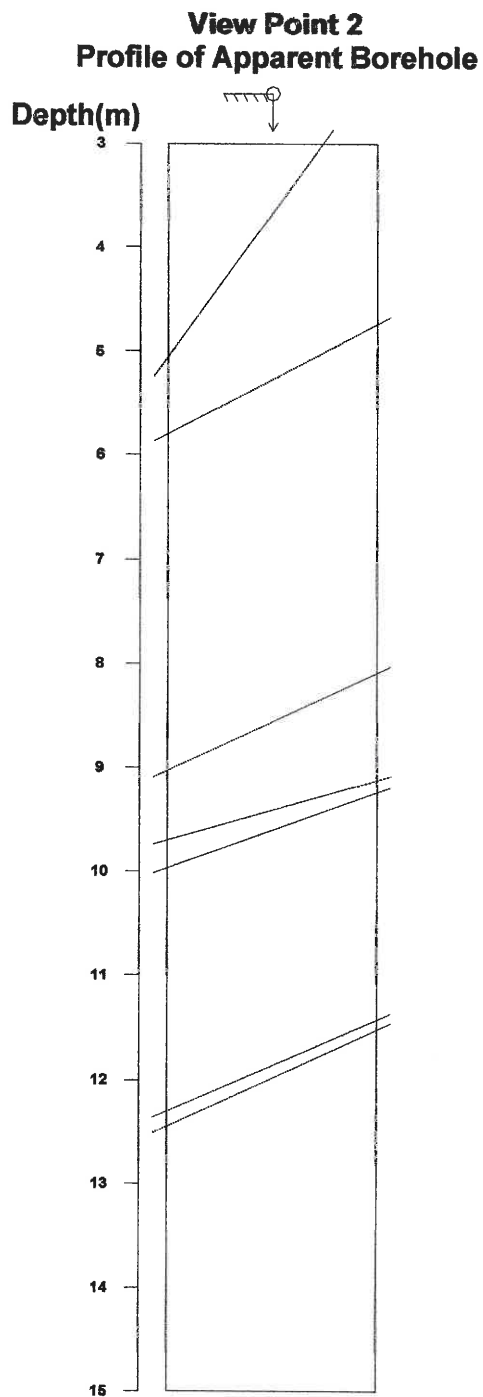
Direction: 0 deg
 Inclination: Vertical(Down)

<Legend>
 Entrance G.L.
 Bottom

Fig. Apparent Dip

Title: C-58.STR
 Comment: SHEAR ZONE
 Depth: 3.490 - 14.313 m
 Aperture: 0.0 - 56.0 mm

Sort: 1/ 7
 Form: 5/ 5
 Condition: 11/11
 Remark: 9/ 9



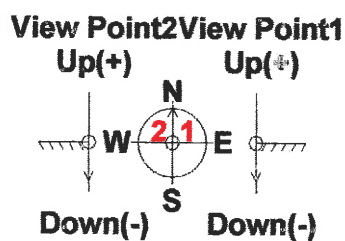
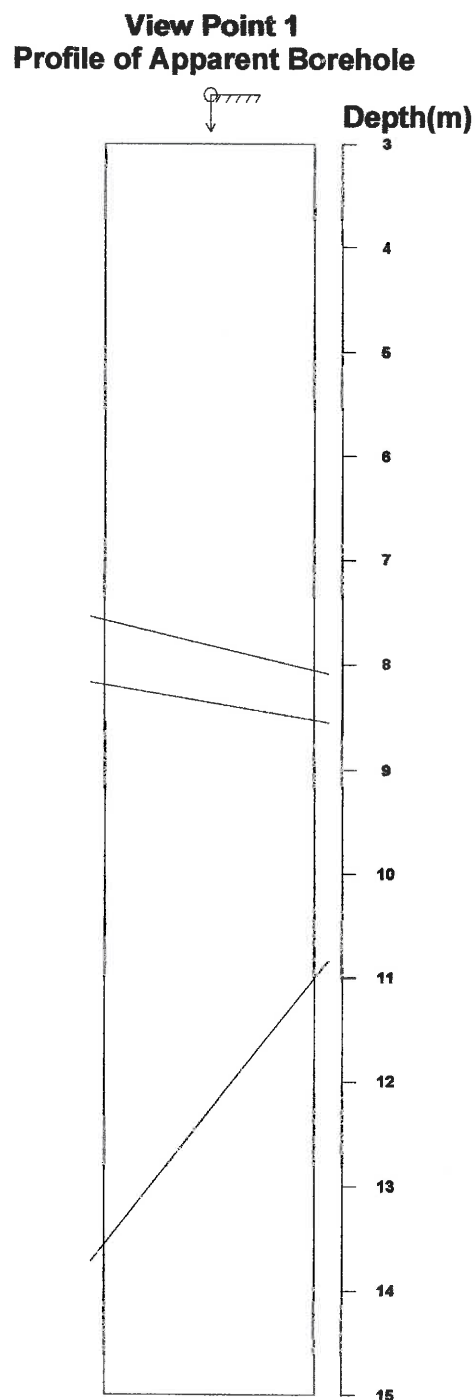
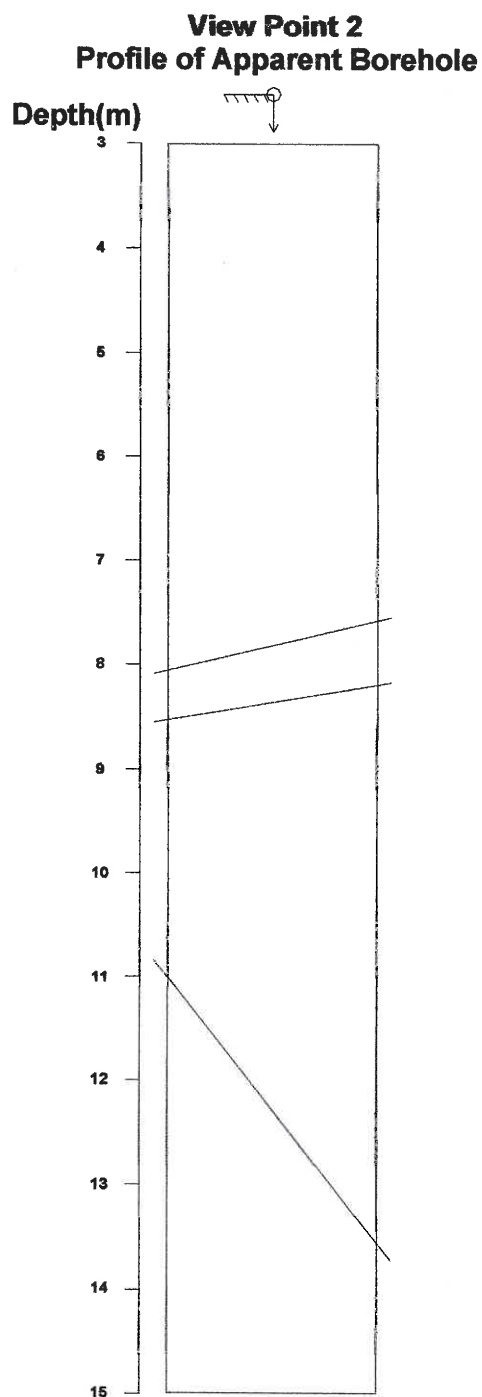
Direction: 0 deg
 Inclination: Vertical(Down)

<Legend>
 Entrance G.L.
 Bottom Bottom

Fig. Apparent Dip

Title: C-58.STR
 Comment: VEIN
 Depth: 3.490 - 14.313 m
 Aperture: 0.0 - 56.0 mm

Sort: 1/ 7
 Form: 5/ 5
 Condition: 11/11
 Remark: 9/ 9



Direction: 0 deg
 Inclination: Vertical(Down)

<Legend>
 Entrance G.L.
 Bottom

Fig. Apparent Dip