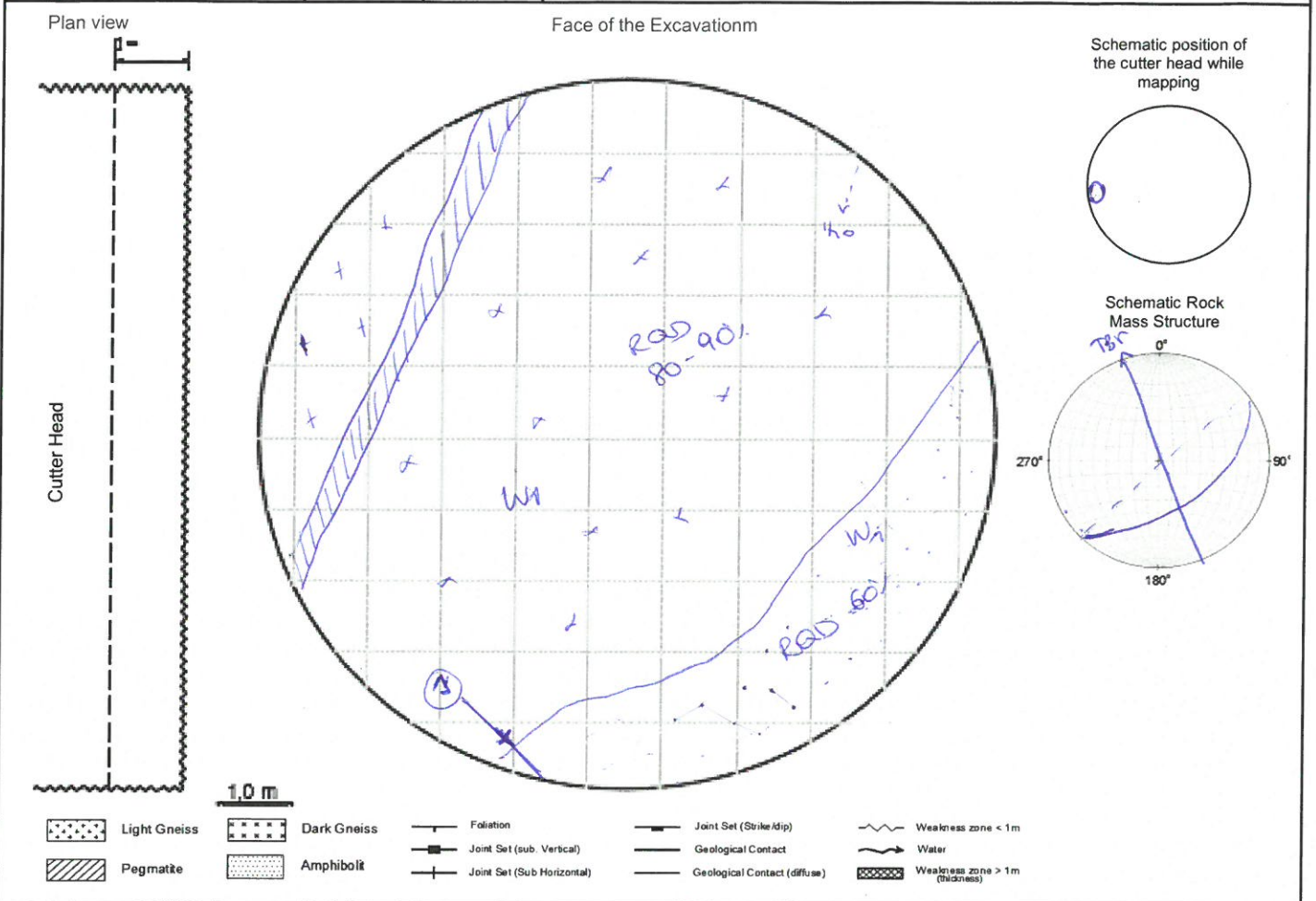


TUNNEL: INBOUND	MACHINE: TBM1	DATE: 28/03/18	REF. N°:
CHAINAGE: 4+853	RING: 3840	HOUR: 8:15	322

Mapping performed: ☐ Yes ☐ No



DISCONTINUITIES						FACE CHARACTERISTICS		
Fracture set	1					Quartz	Veins <input type="checkbox"/>	Masses <input type="checkbox"/>
Strike (α_s)	NE-SW					Garnets	Low <input type="checkbox"/>	High <input type="checkbox"/>
Dip (α_f)	40° SE					Water	Dry <input type="checkbox"/>	Moist <input checked="" type="checkbox"/>
Spacing (cm)	-						Dripping <input checked="" type="checkbox"/>	Flowing <input type="checkbox"/>
Length (m)	~1m						Quantity:	-
Aperture (mm)	-					Fracturing	RQD:	60-90%
Roughness	subpl.					Overbreak	Depth (cm):	-
Infilling	-						Ammount (%):	0 - 1%
Weathering	W.					Mixed face	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

NOTES

LOW FRACTURED DG AND AMP. ON THE RIGHT SIDE. MOIST FACE

* BN NOT AGREE WITH MFC IN FM ASSESSMENT

AMP = Amphibolite, DG = Dark gneiss, LG = Light gneiss, PG = Pegmatite, OB = Overbreak, WZ = Weak zone, LS/RS = Left/Right side

AGJV Geologist			Bane NOR Geologist		
Date	Name	Signature	Date	Name	Signature
28/03/18	GL	Grellato	28/03/18	MFL	M. L...

TUNNEL: INBOUND
CHAINAGE: 04+859
DIRECTION: NORTH

MACHINE: TBM 1
RING: 3840

DATE: 28/03/2018
HOUR: 08:15

REF. Nº:
TBM1_20180328_04859_322

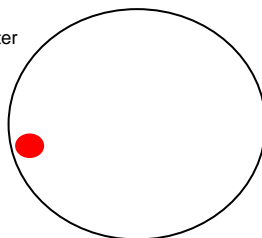
LEFT SIDE



RIGHT SIDE



Schematic position of the cutter head while mapping



UPPER PART



FACE



AGJV Geologist

Date	Name	Signature
28/03/2018	GC	

Bane NOR Geologist

Date	Name	Signature

TUNNEL: INBOUND
CHAINAGE: 04+859
DIRECTION: NORTH

MACHINE: TBM 1
RING: 3840

DATE: 28/03/2018
HOUR: 08:15

REF. Nº:
TBM1_20180328_04859_322

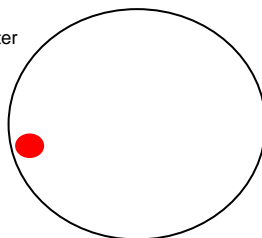
LEFT SIDE



RIGHT SIDE



Schematic position of the cutter head while mapping



UPPER PART



FACE



AGJV Geologist

Date	Name	Signature
28/03/2018	GC	

Bane NOR Geologist

Date	Name	Signature