



Bergvesenet

Postboks 3021, 7002 Trondheim

Rapportarkivet

Bergvesenet rapport nr BV 973	Intern Journal nr 1363/90	Internt arkiv nr	Rapport lokalisering Trondheim	Gradering Åpen
Kommer fra ..arkiv Sulfidmalm	Ekstern rapport nr Sul 494-78-23	Oversendt fra ASPRO	Fortrolig pga	Fortrolig fra dato:
Tittel Utdrag av rapporten: Investigations in South Pasvik 1978 . Utdraget omfatter borloggene.				
Forfatter E Kreivi F Nixon		Dato 1978	Bedrift Sulfidmalm a.s.	
Kommune Sør-Varanger	Fylke Finnmark	Bergdistrikt Troms og Finnmark	1: 50 000 kartblad 23332	1: 250 000 kartblad Kirkenes
Fagområde Boring	Dokument type Rapport	Forekomster Rømlingsås		
Råstofftype Malm/metall	Emneord Cu Ni			
Sammendrag Rapportutdraget omfatter boringene som ble utført i Rømlingsås, Syd-Pasvik, sommeren 1978. Tilsammen ble det i 1978 boret 136m fordelt på 3 hull. (Borhullene 1/SP/78, 2/SP/78, 3/SP/78. senere kalt SP 1 - SP 3) Borloggene er komplettert med senere magnetiske susceptibilitetsmålinger av kjernene.				

A/s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 450 S/60 W BEARING: R80E DIP: 60° HOLE NO: 1/SP/78 SHEET NO: 1a
 LOGGED BY: E.K. STARTED: 17.10.78 PROPERTY: South Pasvik
 CASING: 12 m FINISHED: 26.10.78 Romlingås
 CORE SIZE: T 32 mm TESTS (CORRECTED):

From	To	Description
0	7.35	Overburden
7.35	29.90	Meta-peridotite (olivine-pyroxene - amphibole) - no sulphides very magnetic 14.35 - 16.20 Chlorite rock.
29.90	38.00	Quartz - feldspar gneiss - thin amph - mica bands.
	38.00	End of hole.
Core angles		
	7.70	55° Foliation
	11.60	50° "
	11.80	33 Fault
	12.70	28 "
	14.20	16 Contact
	15.30	47 Foliation
	16.40	0 Fault
	18.50	40 Foliation
	20.30	48 "
	27.90	48 "
	30.30	70 "
	33.40	70 "
	36.50	68 "
The meta-peridotite is obviously the reason for the strong mag. anomaly. The rock is similar to the weathered blocks just north of this and similar magnetic anomalies on Romlingås. Also similar to the ultramafics in the area of Korsvann - Lille Føllvann farther to the NW.		

A/s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 450 S/60 W BEARING: N80°E DIP: 60° HOLE NO: 1/SP/78 SHEET NO: 1
 LOGGED BY: E.K. STARTED: 17.10.78 PROPERTY: South Pasvik
 CASING: 12 m FINISHED: 26.10.78 Romlingås
 CORE SIZE: T 32 mm TESTS (CORRECTED):

From	To	Description
0	7.35	Overburden Large blocks in till. 0 - 1.5 Blocks of garnetiferous medium grained, very schistose amphibolite, with rare po. 1.5-7.35 One block of m.gr. amphibolite. Several blocks of qtz.fel. gneiss similar to the outcrops in the general area.
7.35	29.90	Meta-peridotite Main minerals are olivine, pyroxene and amphibole with some serpentine. The rock is med. gr. homogeneous, very dark in colour, weak foliation, very magnetic with no trace of sulphides. Partly very broken especially 7.35 - 12.00. 14.20 - 14.35 Qtz. vein. 14.35 - 16.20 Chlorite rich zone light green in colour and fairly massive.
29.90	38.00	Quartz-feldspar-gneiss. The contact with the meta-peridotite is quite sharp, slightly brecciated with an increase in amphibole and chlorite. The gneiss is light in colour, med. gr. and homogeneous, the main minerals being quartz, feldspar and some mica. The rock is cut by several narrow amphibole - mica bands.
	38.00	End of hole.

may

1/SP/23/78

4503/60W

N 80° E

hgt 50°

- o overburden
- Δ meta-peridotite
- x chlorite-rock
- ~ gneiss
- ≡ off-mc-beds

200W

150W

100W

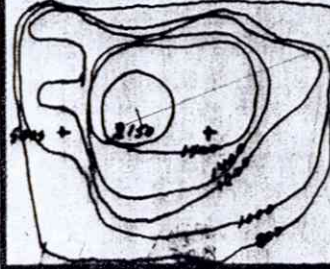
50W

7003 +

3703 +

4003 +

4303 +



1:2000

A/S SULFIDMALM

SOUTH PASVIK 2378

RØMLINGÅS

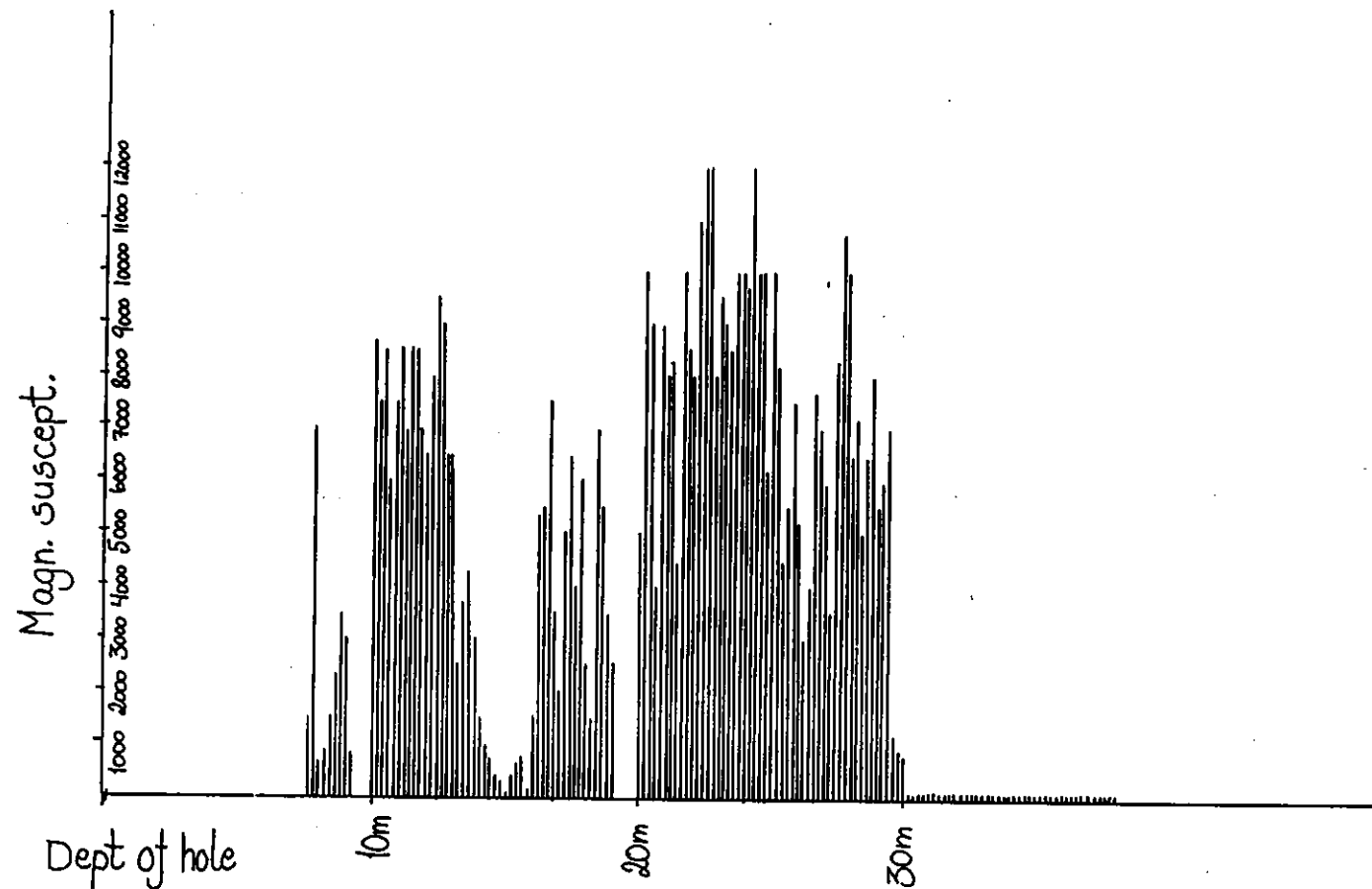
DDH 1/SP/23/78

SCALE 1:2000

DRAWN C.H.

DATE 30/10 1978

TRACED C.H.



DDH-1 South Pasvik
Magnetic susceptibility

SCALE	OBS.	8-80
1:100	DRAW. KG	9-80
	TRAC. KG	9-80
	CHK.	

½ SULFIDMALM

MAP NO.

MAP SHEET

DIAMOND DRILL RECORD

From	To	Description
0	10.00	Overburden
10.00	17.30	Quartz-feldspar gneiss.
17.30	18.20	Mica-gneiss.
18.20	18.83	Quartz-feldspar gneiss.
18.83	23.95	Mica gneiss - some cp. specks.
23.95	47.45	Amphibolite - weak magnetic response 30.55 - 33.10. Thin graphitic layers + magnetite.
47.45	47.65	Granitic rock.
	47.65	End of hole.
		The thin graphitic layers could be the source of the shoot-back E.M. anomaly.

A/s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 325 S/50 E BEARING: _____ DIP: 90 HOLE NO: 2/SP/78 SHEET NO: 1
 LOGGED BY: E.K. STARTED: 30.10.78 PROPERTY: South Pasvik
 CASING: 10 m FINISHED: 7.11.78 Rømlingås
 CORE SIZE: T2 32 mm TESTS (CORRECTED): _____

From	To	Description
0	10.00	Overburden. Large blocks in the till, mainly blocks of quartz-feldspar gneiss and some garnetiferous amphibolite.
10.00	17.30	Quartz-feldspar-gneiss. Main minerals are quartz, white or slightly pinkish feldspar, some mica and amphibole. Well foliated, in parts brecciated by feldspar. Several mica and amphibole layers. Non magnetic and no conductive layers. 10.70 - 11.05 Fel. breccia. 10.75 - 10.83 Amph-mica layer 11.05 - 11.15 ----"----- 14.04 - 14.58 Fel. breccia. 14.58 - 14.77 Mica-amph layer.
17.30	18.20	Mica-gneiss. Main minerals are feldspar quartz and mica with some amphibole. Med. gr. non-magnetic.
18.20	18.83	Quartz-feldspar gneiss (as above)
18.83	23.95	Mica-gneiss, as above but with odd speck of cp. 19.50 - 19.64 Qtz - fel. breccia. 20.00 - 20.40 Amph. rich, some brecciation cp (rare) 22.65 - 22.90 Amph rich layer. 23.87 - 23.93 Fel. breccia.
23.95	47.45	Amphibolite. Garnetiferous, fine grained, some feldspar and mica rich layers.

A/s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 325 S/50 E BEARING: _____ DIP: 90° HOLE NO: 2.SP.78 SHEET NO: 2
 LOGGED BY: E.K. STARTED: 30.10.78 PROPERTY: South Pasvik
 CASING: 10 m FINISHED: 7.11.78 Rømlingås
 CORE SIZE: T2 32 mm TESTS (CORRECTED): _____

From	To	Description
23.75	47.45	Occasional weak po. impregnation. Slightly magnetic. 30.55 - 33.10. Thin graphite-rich layers with some magnetite.
47.45	47.65	Granitic rock. Main minerals quartz and feldspar. Some garnets med. gr.
	47.65	End of hole.
Core Angles		
	10.50	83 Foliation
	11.70	74 "
	14.30	77 "
	16.40	78 "
	18.50	79 "
	21.80	77 "
	23.70	77 "
	26.50	77 "
	28.40	77 "
	31.50	80 "
	34.50	79 "
	36.40	77 "
	39.50	80 "
	42.80	78 "
	44.40	82 "
	46.00	80 "
	47.40	78 "

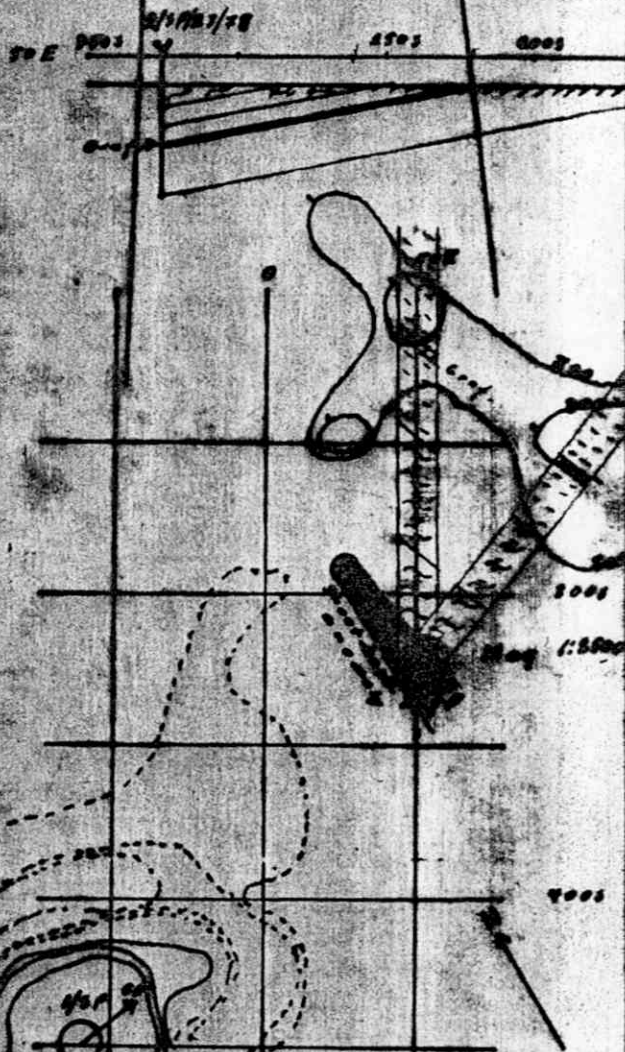
2/20/2378

2378/02



- o overburden
- ~ clay-schist
- magnetite
- amphibolite
- /// thin graphitic layers with some magnetite

Sheet-back-EM
200 m' coil-separation
1:2500



A/S SULFIDMALM

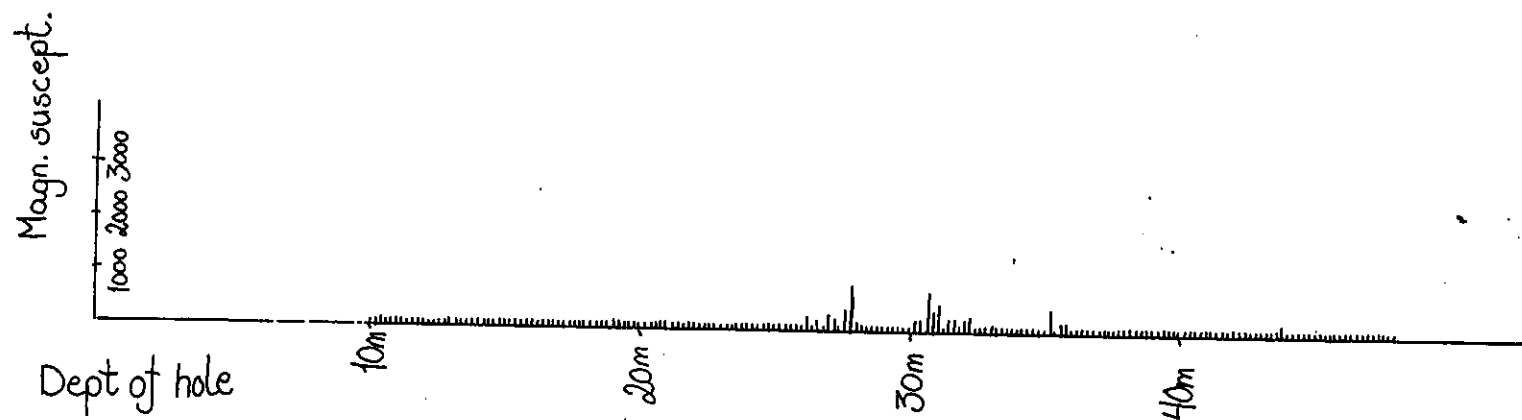
SOUTH PASVIK 2378
RØMLINGÅS
DDH 2/SP/23/78

SCALE 1:2500

DRAWN

DATE 19/11/1978

TRACED



DDH-2 Magnetic susceptibility	SCALE	OBS.	8-80
	1:100	DRAW. KG	9-80
		TRAC. KG	9-80
		CHK.	
% SULFIDMALM	MAP NO.		
	MAP SHEET		

A/s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 10500 N/5960 W BEARING: _____ DIP: 90 HOLE NO: 3/SP/78 SHEET NO: 1a
 LOGGED BY: E.A.K. STARTED: 9.11.78 PROPERTY South Pasvik
 CASING: 18.00 FINISHED: 15.11.78 Bjørntjern
 CORE SIZE: 32 mm TESTS (CORRECTED): _____

From	To	Description
0	17.50	Overburden
17.50	27.55	Mica gneiss
	22.90-27.55	Graphite and magnetite rich bands. 2% po.
27.55	37.60	Amphibolite
	30.50 - 30.80	Thin graphite bands 5% po + mt
	31.33 - 31.53	" " some mt
	37.45 - 37.60	" "
37.60	40.00	Mica gneiss.
40.00	49.10	Amphibolite.
49.10	50.20	Mica gneiss.
	50.20	End of hole.
		The graphite and magnetite explain the strong EM and weak MAG anomalies.

A/s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 10500 N/5960 W BEARING: _____ DIP: 90 HOLE NO: 3/SP/78 SHEET NO: 1
 LOGGED BY: E.K. STARTED: 9.11.78 PROPERTY: South Pasvik
 CASING: 18.00 FINISHED: 15.11.78 Bjørntjern
 CORE SIZE: 32 mm TESTS (CORRECTED): _____

From	To	Description
0	17.50	Overburden. 0 - 10.00 Sand. 10.00 - 17.50 Blocks of mica gneisses and some amphibolites, quite light in colour. One block of graphite with 80% po.
17.50	27.55	Mica gneiss. Mica - quartz with some feldspar. Some garnetiferous and amphibole rich layers. 17.50 - 20.00 Feldspar and amphibole rich with some garnets and odd po. 20.15 - 21.90 2% po. impreg. 22.53 - 23.05 Amph -feldspar rich. 22.90 - 27.55 Graphite and magnetite banded with some 2% po.
27.55	37.60	Amphibolite. Garnetiferous, feldspar banded, some magnetite and odd po. 27.50 - 27.60 Fractured 28.20 - 27.30 " 29.23 - 29.30 Qtz band 30.50 - 30.85 Thin graphite bands with 5% po. and some mt. 31.33 - 31.53 Graphite bands + mt. 31.55 - 31.65 Qtz - feldspar layer 32.80 - 32.85 -----" 33.50 - 33.75 10% po. 33.50 - 33.75 Mica gneiss 34.32 - 35.10 -----" 37.45 - 37.60 Graphite bands + mt.
37.60	40.00	Mica gneiss - fine gr. main minerals quartz - feldspar and mica.

^N/s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 10500 N/5960 W BEARING: _____ DIP: 90 HOLE NO: 3/SP/78 SHEET NO: 2
 LOGGED BY: E.K. STARTED: 9.11.78 PROPERTY: South Pasvik
 CASING: 18.00 FINISHED: 15.11.78 Bjørntjern
 CORE SIZE: 32 mm TESTS (CORRECTED): _____

From	To	Description
40.00	49.10	Amphibolite (as above)
49.10	50.20	Mica gneiss (as above)
	50.20	End of hole
Core angles		
	18.20	77 Foliation
	20.60	64 "
	22.50	72 "
	24.50	70 "
	26.60	73 "
	29.50	78 "
	30.50	71 "
	33.60	70 "
	35.70	72 "
	37.80	71 "
	39.80	73 "
	42.80	71 "
	44.30	73 "
	47.80	68 "
	49.80	71 "

3/SP/23/78

10500N

6000W

3/SP

5900W

5800W

10500N/5960W

E

Griff
M-7

Shoot-back - EM
100 ms coil-separation
1:2500

- 0 Overburden
- ~ Mica-gneiss
- Amphibolite
- /// Thin graphite-magnetite bands

10500N

6100W

3/SP

5800W

Shoot-back-anomaly

Mag
1:2500

10400N

10300N

N

A/S SULFIDMALM

SOUTH PASVIK 2378

BJØRNTJERN

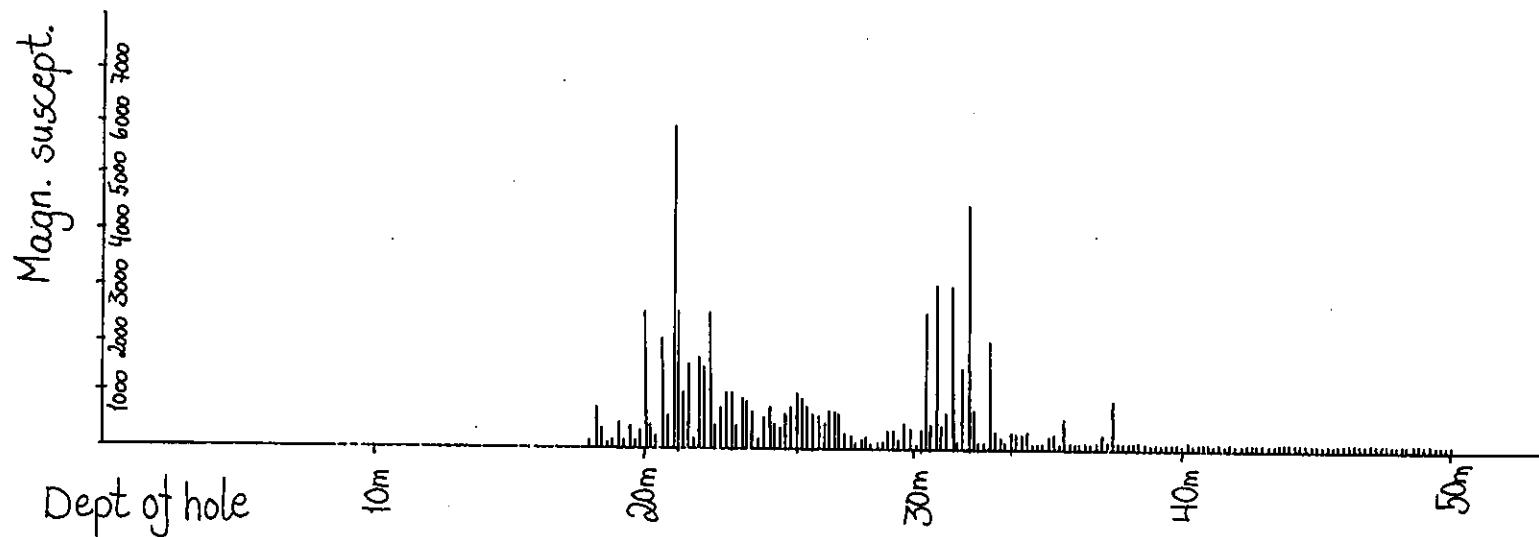
DDH 3/SP/23/78

SCALE 1:800

DATE 15/11 1978

DRAWN CR

TRACED CR



DDH-3 Magnetic susceptibility	SCALE	OBS.	8-80
	1:100.	DRAW. KG	9-80
		TRAC. KG	9-80
		CHK.	
½ SULFIDMALM	MAP NO.		
	MAP SHEET		