



Bergvesenet

Postboks 3021, 7002 Trondheim

Rapportarkivet

Bergvesenet rapport nr BV 974	Intern Journal nr 1363/90	Internt arkiv nr	Rapport lokalisering Trondheim	Gradering Åpen
Kommer fra ..arkiv Sulfidmalm	Ekstern rapport nr Sul 472-77-23	Oversendt fra ASPRO	Fortrolig pga	Fortrolig fra dato:

Tittel

Utdrag av rapporten: Reconnaissance prospecting in South Pasvik. Detailed survey in the Bjørntjern and Rømlingsås grid.

Utdraget omfatter borloggene fra Bjørntjern grid.

Forfatter E. Kreivi	Dato 1977	Bedrift Sulfidmalm
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Kommune Sør-Varanger	Fylke Finnmark	Bergdistrikt Troms og Finnmark	1: 50 000 kartblad 23332	1: 250 000 kartblad Kirkenes
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Fagområde Boring	Dokument type Rapport	Forekomster <i>Bjørntjern Rømlingsås</i>
Råstofftype Malm/metall	Emneord Cu Ni	

Sammendrag

Rapportutdraget omfatter boringene som ble utført i Bjørntjernfeltet, Syd-Pasvik, sommeren 1977. Tilsammen ble det i 1977 boret 87m fordelt på 2 hull. Det andre hullet måtte avbrytes på grunn av problemer og er ikke logget. (Borhullene 1B/23/77 og 2B/23/77 senere kalt SP01 - SP02).

Se også Sulfidmalm rapport nr 478-77-23 av K Mørk Sydvaranger a.s., som omfatter det samme.

Subsequently two holes were drilled on the Bjørntjern anomaly. The first hole (DDH 1B/23/77) was a vertical hole 50 m in length which intersected 9.5 m of pyrrhotite rich garnet-amphibolite. In places the pyrrhotite was massive, but it carried no visible chalcopyrite or pentlandite and appeared to be different from the target mineralization found in boulders. A summary log and section are attached.

Bh 01

A second hole (2B/23/77) was abandoned at a depth of 33 m of the planned 70 m due to caving. The last core recovered showed a garnetiferous amphibolite carrying bands of massive pyrrhotite similar to that in DDH 1B/23/77.

Bh 02

As a result of these two holes it was concluded that the Bjørntjern anomaly was probably not the source of the nickel bearing boulders and subsequent work was then planned and carried out to try and determine the source.

PASVIC HELICOPTER MAGLEV

A/s SULFIDMALM

DIAMOND DRILL RECORD

LOCATION: 80W/1000N BEARING: - DIP: -90° HOLE NO: 1-B/2377 SHEET NO: 2
 LOGGED BY: K. Mørk STARTED: PROPERTY S. Pasvik, Finnmark
 CASING: 12 m FINISHED: Bjørntjern grid
 CORE SIZE: 35 mm TESTS (CORRECTED):

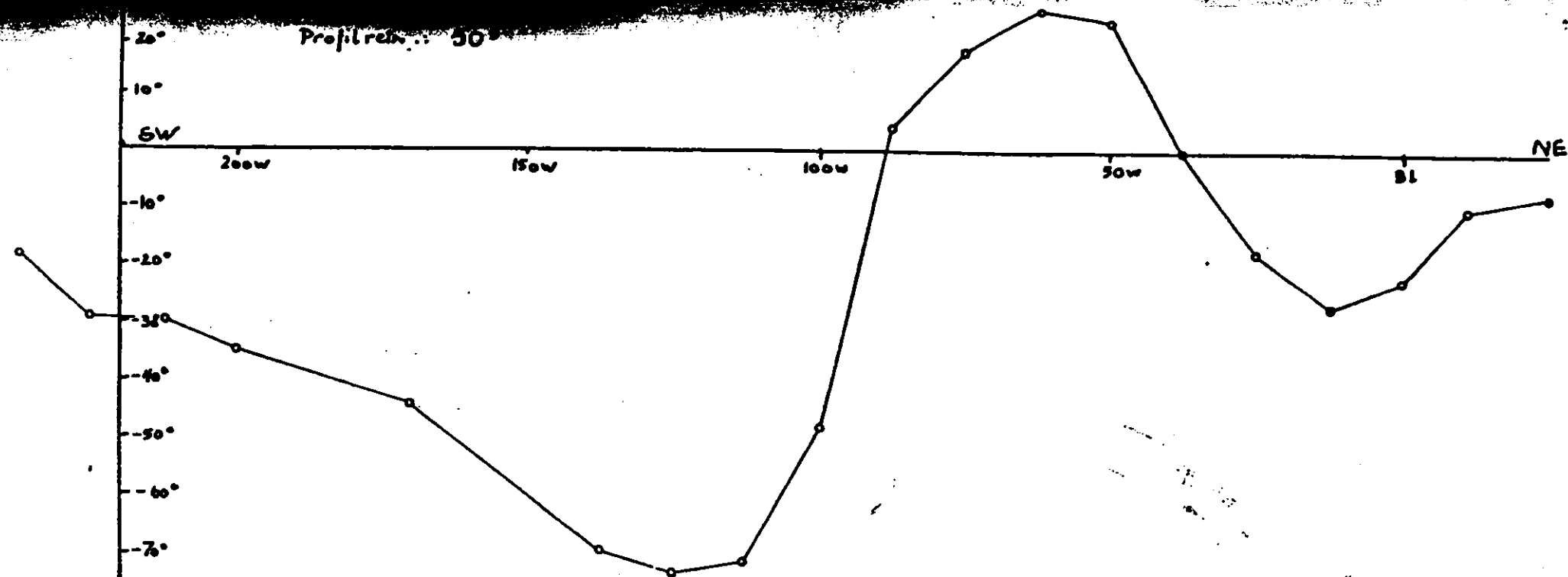
From	To	Description
00	12.00	Overburden. Fine-grained sand
12.00	13.50	Fine-grained, light green, in part fibrous consisting of light amphibole: tremolite/actinolite carbonate bands. Non magnetic.
13.50	14.85	Grey-brown biotite-gneiss with some hornblende. Fine-grained, foliated. Variable but generally weak po impregnation. Occasional 1 cm wide po bands.
14.85	15.25	Strong po-mineralization, almost massive. Trace of cpy, weakly magnetic.
15.25	16.50	Hornblende-biotite gneiss. Garnetiferous. weak po-impregnation in bands parallel to foliation.
16.50	16.65	Massive po, trace of cpy. Weakly magnetic.
16.65	17.30	Relatively light colored biotite gneiss. Bands of po and hornblende. Moderate po impregnation.
17.30	18.25	Biotite hornblende gneiss. Fracture with massive po parallel to core axis.
18.25	18.50	Biotite-hornblende gneiss. Relatively strong po impregnation.
18.50	20.00	Very fine-grained, light-coloured gneiss. Strong po, impregnation in bands paralleling foliation with strong po-impregnation.
20.00	20.60	Biotite-gneiss.
20.60	21.00	Medium grained, green hornblende-rich gneiss. Weakly magnetic.
21.00	22.00	Light grey gneiss. Variable po-impregnation and breccia mineralization in narrow zones.
22.00	23.50	Fine-grained biotite-hornblende-gneiss. Weak po-impregnation, banded.
23.50	27.20	Grey, relatively dark, hornblende-biotite-gneiss.
27.20	27.90	Relative coarse-grained, green amphibolite-band in gneiss.
27.90	34.10	Fine grained grey-brown biotite-hornblende-gneiss. Finely banded.
34.10	35.30	Green, amphibolitic rock with garnets.
35.30	36.50	Grey-brown biotite-hornblende-gneiss.

1/s SULFIDMALM

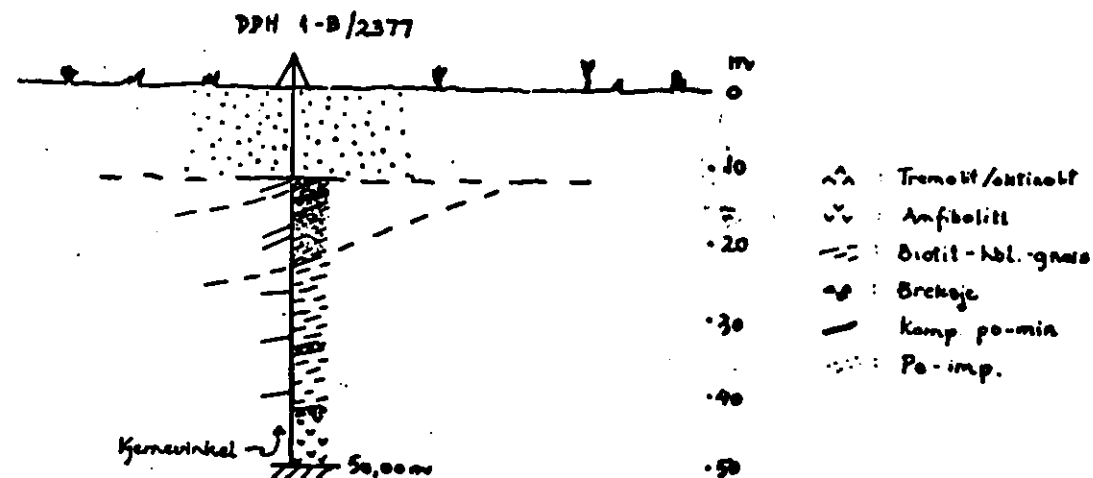
DIAMOND DRILL RECORD

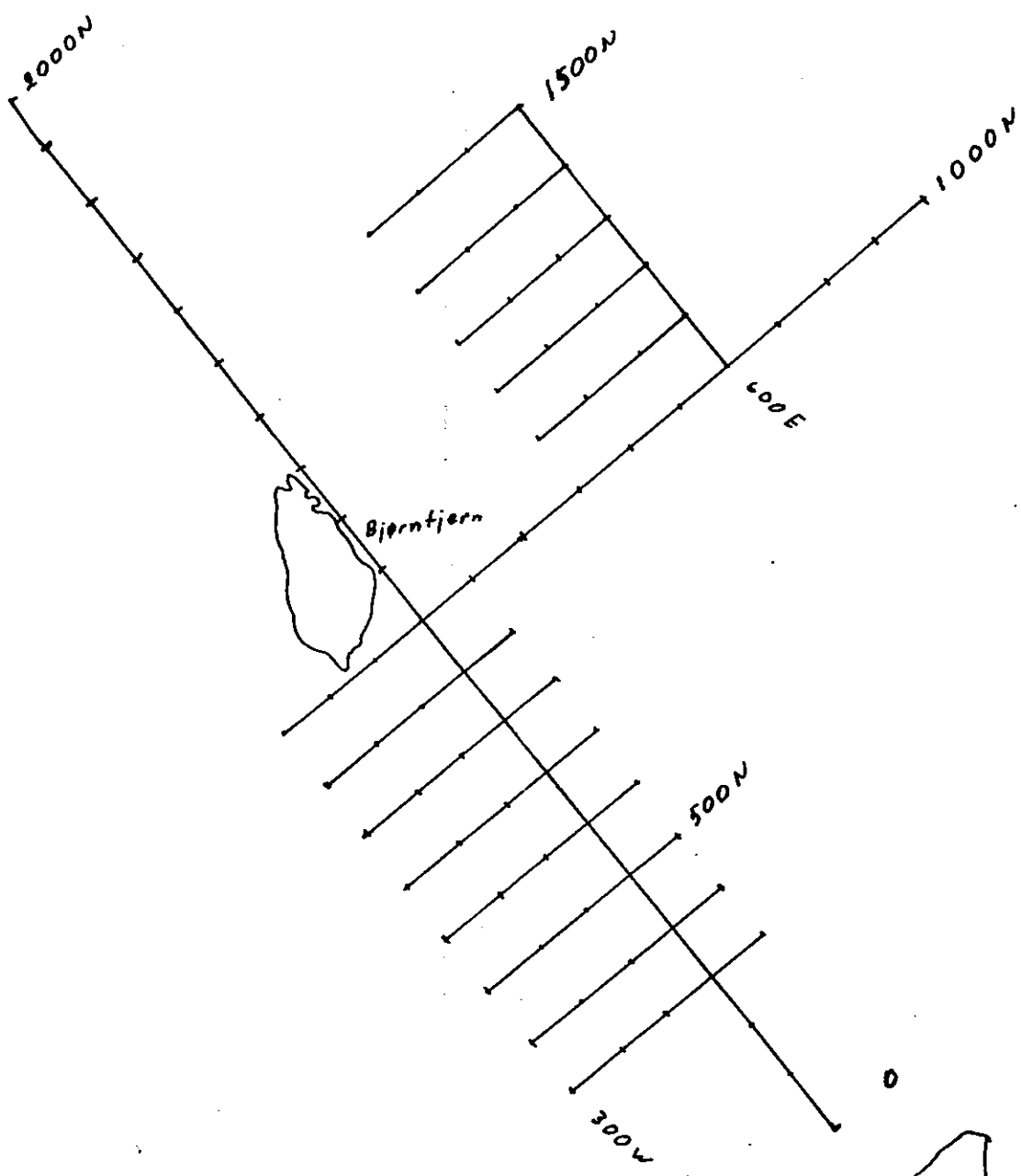
LOCATION: 80W/1000N BEARING: - DIP: 90° HOLE NO: B/2377 SHEET NO: 3
 LOGGED BY: K. Mørk STARTED: PROPERTY S. Pasvik, Finnmark
 CASING: 12 m FINISHED: Bjørntjern grid
 CORE SIZE: 35 mm TESTS (CORRECTED):

From	To	Description
36.50	39.10	Alternating grey-brown gneiss and green, more coarse-grained garnet amphibolite.
39.10	42.75	Amphibolite with gneiss bands. Brecciated amphibolite with relatively large (1-1.5 cm) garnets and blebs of po.
42.75	48.50	Green amphibolite with garnets. Occasional biotite-rich sections are brown coloured.
48.50	50.00	Lighter, fine-grained gneiss with some green amphibole.
	50.00	END OF HOLE
Core angles		
	12.50	72°
	18.00	68°
	19.50	59°
	27.00	76°
	40.00	76°



Aktieselskabet Sydvaranger	
BJØRNTJERN - ANOMALIEN,	
S - PASVIK.	
Profil 1000 N	
DDH 1-B/2377	
M = 1:1000	Stott back: E. Krelvi - 1977
	Logging: K. Mørk - 1977
	Trac.: K. Mørk - 1977





A/S SULFIDMALM	
PASVIK 2377	
BJÖRNTJERN	
SCALE 1:10000	DRAWN EK
DATE 26/9 1977	TRACED EK

Björntjern

ENC. 8

location map

