Bergvesenet

Postboks 3021, N-7441 Trondheim

Rapportarkivet

Bergvesenet rapport nr	Intern Journal nr	Internt arkiv nr	Rapport lokalisering	Gradering
4670				Åpen

Kommer fra ..arkiv	Ekstern rapport nr	Oversendt fra	Fortrolig pga	Fortrolig fra dato:
Folldal Verk AS		Tverrfjellet		

Tittel

Resultater fra prøvetaking 1986, Gauteslifjell

Forfatter	Dato År	Bedrift (Oppdragsgiver og/eller oppdragstaker)
	1986	

Kommune	Fylke	Bergdistrikt	1: 50 000 kartblad	1: 250 000 kartblad
Narvik	Nordland		13163	Narvik

Fagområde	Dokument type	Forekomster (forekomst, gruvefelt, undersøkelsesfelt)
Geokjemi		Gautelisfjell

Råstoffgruppe	Rastofftype
Malm/metall	Au As

Sammendrag, innholdsfortegnelse eller innholdsbeskrivelse

Notat med analyseresultater og lokaliseringskart

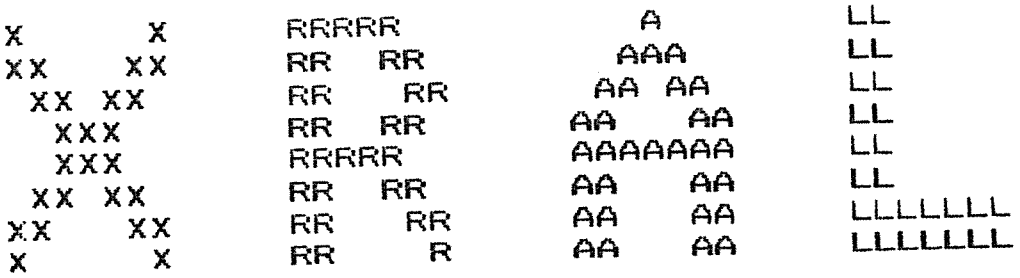
BV 4670

GAUTELISFJELL AS - Au - prosjekt

Resultatene fra prøvetaking 1986 må sies å være negative m.h.p. utvidelse av kjent Au-mineralisering. Enkelte prøver viser høye verdier, + 10 ppm, men alle disse synes å være knyttet til sulfidmineraliseringer.

Konklusjon må være at skal brukbare gehalter finnes, må det letes etter sulfid-soner (ell. grafit). Innenfor kalksteinserien synes muligheten meget små, sulfidsoner av noen størrelse ville vært kjent p.g.a. både overdekke og grundig kartlegging/prøvetaking.

Mulighet for større sulfidsoner (ev. grafit) finnes innenfor den fyllittiske serien nord for kalksteinsonen. Sedimentene her har et generelt høyt sulfidinnhold, ves. po., men mulige anrikede soner kan finnes. Enkeltprøver fra fyllitt-serien viser likel anomale Au-gehalter, max. 12 - 14 ppb.



XRF - WHOLE ROCK ANALYSIS

FOLLDAL VERK A/S
Attn: J.I. TOLLEFOND
2661 HJERKINN
NORWAY

CUSTOMER No. 295

DATE SUBMITTED
19-JUN-86

REPORT 28417 REF. FILE 23877 DATE REPORTED 18-JUL-86

XRF W.R.A. SUMS INCLUDE ALL ELEMENTS DETERMINED.
FOR SUMMATION ELEMENTS ARE CALCULATED AS OXIDES.

SAMPLE	SIO2	AL2O3	CAO	MGO	NA2O	K2O	FE2O3	MNO	TIO2	P2O5	CR2O3	LOI	SUM
GAU-84-15-5350-5660	48.9	14.4	9.31	5.00	2.29	3.35	6.95	0.09	0.71	0.16	0.02	5.08	96.5
GAU-84-21-6160-6260	63.8	11.1	2.61	3.33	2.03	2.59	8.53	0.04	0.59	0.09	0.02	5.70	100.5
GAU-84-44	36.8	7.33	30.1	4.57	0.13	0.03	12.6	0.45	0.44	0.09	0.01	7.16	99.7
GAU-84-45	40.7	6.99	28.9	3.83	0.16	0.47	15.0	0.59	0.53	0.09	0.01	2.00	99.3
GAU-84-46	40.7	7.17	28.9	3.39	0.12	0.44	15.9	0.64	0.47	0.08	0.01	1.70	99.5
GAU-84-47	38.2	7.45	28.8	2.73	0.13	0.55	17.0	0.55	0.44	0.07	0.01	3.31	99.3
GAU-84-48	41.6	5.04	26.8	5.71	0.15	0.27	15.3	0.54	0.33	0.07	<0.01	2.93	98.8
GAU-84-49	40.4	5.63	29.4	3.76	0.10	0.25	16.9	0.56	0.38	0.07	0.01	1.62	99.1
GAU-84-51	24.3	2.24	25.9	16.6	0.07	0.06	6.90	0.21	0.17	0.10	<0.01	19.8	96.4
GAU-84-04-60	19.4	1.94	29.1	16.6	0.06	0.16	3.04	0.25	0.14	0.05	<0.01	29.2	100.0
GAU-84-04-63	28.7	6.89	22.9	15.7	0.10	1.97	3.59	0.16	0.18	0.06	<0.01	19.8	100.2
GAU-84-06-30.0-31.0	54.0	17.7	4.44	2.83	6.36	1.78	7.61	0.13	1.51	0.87	<0.01	1.31	98.8
84-03.21.0-24.0	20.5	3.16	26.2	17.4	0.07	1.22	2.12	0.06	0.20	0.04	<0.01	29.2	100.2
84-04-2.0-3.0	3.00	0.72	46.9	6.84	0.04	0.07	0.80	0.10	0.05	0.03	<0.01	42.0	100.6
84-04-3.0-6.0	3.12	0.51	47.6	6.13	0.04	0.08	0.85	0.10	0.03	0.03	<0.01	41.8	100.3

IPLE	RB	SR	Y	ZR	NB	BA
GAU-84-15-5350-5660	110	320	30	110	30	1170
GAU-84-21-6160-6260	140	260	20	70	10	540
GAU-84-44	10	160	20	30	10	30
GAU-84-45	10	60	<10	30	10	130
GAU-84-46	10	40	<10	40	10	140
GAU-84-47	<10	50	<10	40	20	140
GAU-84-48	<10	60	10	10	10	90
GAU-84-49	10	10	<10	30	10	110
GAU-84-51	<10	100	<10	10	20	<10
GAU-84-04-60	20	160	10	10	10	<10
GAU-84-04-63	100	250	<10	100	20	690
GAU-84-06-30.0-31.0	60	430	40	340	30	1290
84-03.21.0-24.0	70	120	<10	20	20	60
84-04-2.0-3.0	<10	110	<10	<10	10	10
84-04-3.0-6.0	10	100	<10	<10	10	20

SAMPLE	B PPM	Hg ppm	C %	C GRAP %	S %	AS PPM	Zn
GAU-84-15-5350-5660 34	--		--	--	1.39	180 --	77
GAU-84-17-5740-5840 380	--		--	--	0.62	680 --	180
GAU-84-21-6160-6260 2100	--		--	--	1.13	>1000 (4.16%)	110
GAU-84-22-6260-6360 1800	--		--	--	1.65	>1000 (4.16%)	60
GAU-84-43	--		--	--	0.54	--	10
GAU-84-44	--		--	--	0.16	--	14
GAU-84-45	--		--	--	0.12	--	10
GAU-84-46	--		--	--	0.21	--	16
GAU-84-47	--		--	--	0.62	--	32
GAU-84-48	--		--	--	0.62	--	15
GAU-84-49	--		--	--	0.14	--	25
GAU-84-50 - 1500	--	<10	--	--	0.37	--	18
GAU-84-51 - 4700 ppb Au	<10	<10	5.78	0.07	2.14	--	34
GAU-84-52 - 1000 " "	--	<10	--	--	2.43	--	40
GAU-84-04-59 70 " "	--		--	--	0.04	7.4 --	10
GAU-84-04-60 0.085 5700 ppb Au	<10		6.51	0.75	NSS	2.8 --	15
GAU-84-04-61	--		--	--	0.08	4.3 --	51
GAU-84-04-62	--		--	--	0.01	3.3 --	18
GAU-84-04-63	--		--	--	NIL	4.0 --	58
GAU-84-04-64	--		--	--	0.01	2.8 --	33
GAU-84-04-65	--		--	--	NIL	3.0 --	29
GAU-84-04-66	--		--	--	NIL	3.3 --	34
GAU-84-04-67 0.042 oz/t	--		--	--	TRACE	3.3 --	33
GAU-84-04-68	--		--	--	0.29	5.5 --	110
GAU-84-04-69	--		--	--	0.15	4.6 --	140
GAU-84-04-70	--		--	--	0.02	2.8 --	33
GAU-84-04-71	--		--	--	0.10	7.0 --	67
GAU-84-04-72	--		--	--	0.04	5.9 --	31
GAU-84-04-73	--		--	--	0.04	4.8 --	35
GAU-84-06-29.0-30.0	--		--	--	0.15	--	92
GAU-84-06-30.0-31.0	--		--	--	0.15	--	
GAU-84-06-31.0-32.0	--		--	--	0.26	--	
84-03-21.0-24.0	--		--	--	NIL	1.3	
84-04-2.0-3.0	--		--	--	NIL	1.5	
84-04-3.0-6.0	--		--	--	0.05	0.9	
84-04-6.0-9.0	--		--	--	0.05	0.8	
84-04-9.0-12.0	--		--	--	TRACE	7.6	
84-04-12.0-13.8	--		--	--	NIL	1.1	

NSS - NOT SUFFICIENT SAMPLE

18-JUL-86 REPORT 28417 REF.FILE 23877-PH PAGE 2 OF 2

SB PPM	Ag	TE PPM	Pb	W PPM	BI PPM	Cu	Au ppb
0.5		--	22	2	--	190	34
0.3		--	10	<2	--	110	330
7.2		--	10	<1	--	36	2100
7.1		--	24	<1	--	110	1800
0.3		--		--160	--	88	280
0.1		--		--360	--	180	310
0.1		--		--340	--	24	160
0.1		--		-- 6	--	140	140
0.2		--		--	--	400	370
0.2		--		--	--	300	280
0.1		--		--	--	170	120
0.2		--		-- 66	--	280	1500
0.3		10.0		4	154.	650	4700
0.1		--		3	--	350	1000
0.4	1.0	--	32	--2000	--	19	70
0.1	1.5	0.1	58	54	0.2	76	5700
0.1	1.5	--	30	--	0.5	89	100
<0.1	1.5	--	58	2	--	21	140
0.2	1.5	--	42	21	--	2	9
0.1	1.5	--	40	1	--	53	35
<0.1	1.5	--	58	10	--	17	770
<0.1	1.5	--	56	3	--	19	260
<0.1	1.5	--	58	7	--	18	1700
0.1	1.5	--	24	2	--	62	28
0.1	1.5	--	18	4	--	40	<2
0.1	1.5	--	42	4	--	20	180
0.1	1.5	--	42	1	--	23	340
0.1	1.5	--	60	--19	--	27	280
0.1	1.5	--	48	-- 4	--	52	15
0.1		--		<1	--	54	12
0.1		--		7	--		2600
0.1		--		6	--		640
0.1		--		1	--		186
<0.1		--		<1	--		186
<0.1		--		<1	--		.01
<0.1		--		<1	--		217
<0.1		--		<1	--		0
<0.1		--		<1	--		0

assay

X-RAY ASSAY LABORATORIES LIMITED • 1885 LESLIE STREET • DON MILLS, ONTARIO M3B 3J4 • (416) 445-5755 • TELEX 06-986947

metasediments
and metavolcanics
(metaarenites, metasiltstones, amphibolites)

carbonate series

granitic gneiss

carbonate series

granitic gneiss

granitic gneiss
some interlayers
of metaultramafics

BL 50°

GAU-84-84

GAU-06-84

GAU-05-84

Au

2+00N
1+75N
1+50N
1+25N
1+00N
0+75N
0+50N
0+25N
0+00
0+25S
0+50S
0+75S
1+00S

4+50W 5+00W 5+50W 0+50W 000 0+50E 1+00E 1+50E 2+00E 3+00E 3+50E 4+00E

assay results 108 samples

	Au	Cu	Zn	As	Pb
NR-128-84	460	90	8	11	20
NR-129-84	0.58 opt	-	-	-	-
NR-130-84	110	62	14	2.3	8
NR-131-84	15	220	100	2.5	8
NR-132-84	300	41	7	0.8	18
NR-133-84	3	150	86	0.2	8
NR-134-84	7	140	140	130	10
NR-136-84	2	70	53	1.2	12
NR-137-84	5	140	120	1.6	14
NR-138-84	<2	110	92	0.7	12
NR-139-84	5	30	110	0.8	10
NR-140-84	22	570	150	38	20
NR-142-84	1400	2400	110	7.4	20
NR-143-84	110	17	29	19	14
NR-144-84	17	150	140	0.8	14
NR-146-84	4	130	16	0.6	8
NR-85-83	15	95	97	16	10
NR-86-83	8	120	130	40	12
NR-87-83	<2	180	130	5.7	10
NR-88-83	<2	100	93	140	10
NR-15-83	0.62 opt	310	30	3	200
NR-16-83	4	210	65	85	12
NR-17-83	20	150	73	11	14

1+50V 1+00V 0+50V

LEGEND

- Granitic gneiss
- Qtz-mica schist
- Amphibolite
- Marble
- Qtz-fspar rock
- Geological boundary (defined, approximate)
- Fault (approx. with inclination, assumed)
- Mylonite (with inclination)
- Strike, dip (vertical, inclined)
- [45] Location of rocksampling, sample number (NR-45-83)

FOLLDAL VERK A/S - AMOCO NORWAY J.V.

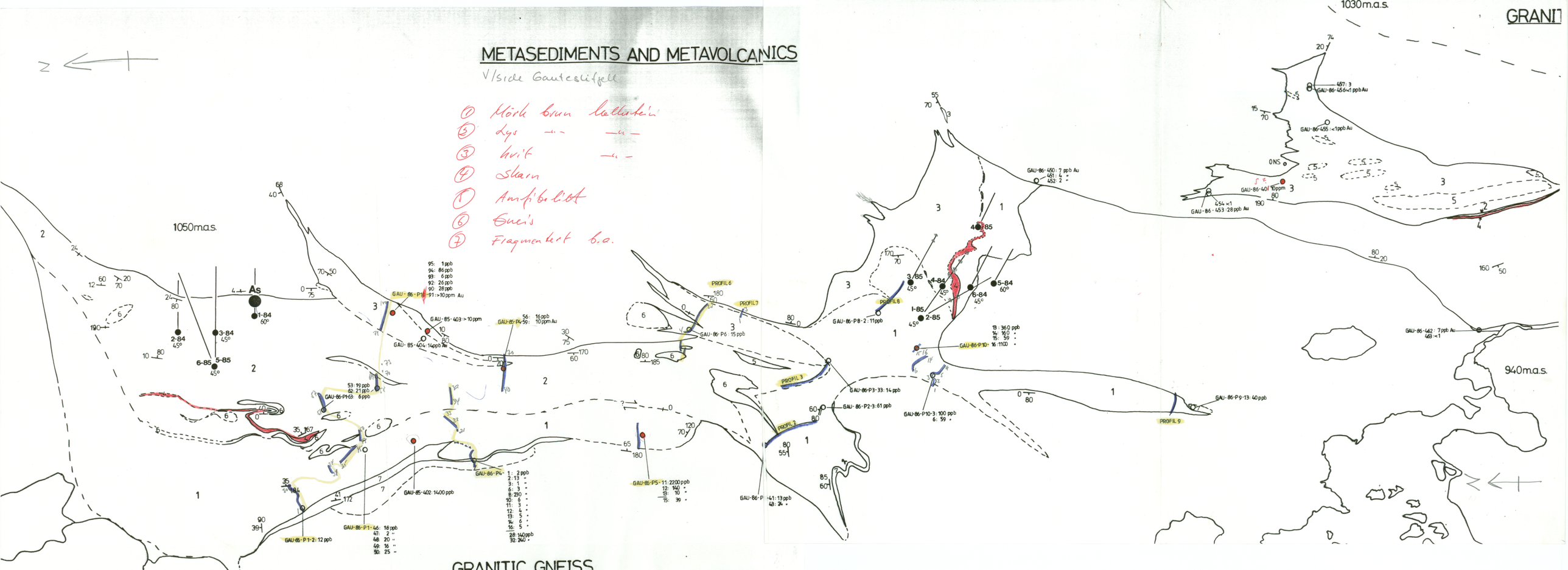
ROMBAK - PROJECT N-84-9

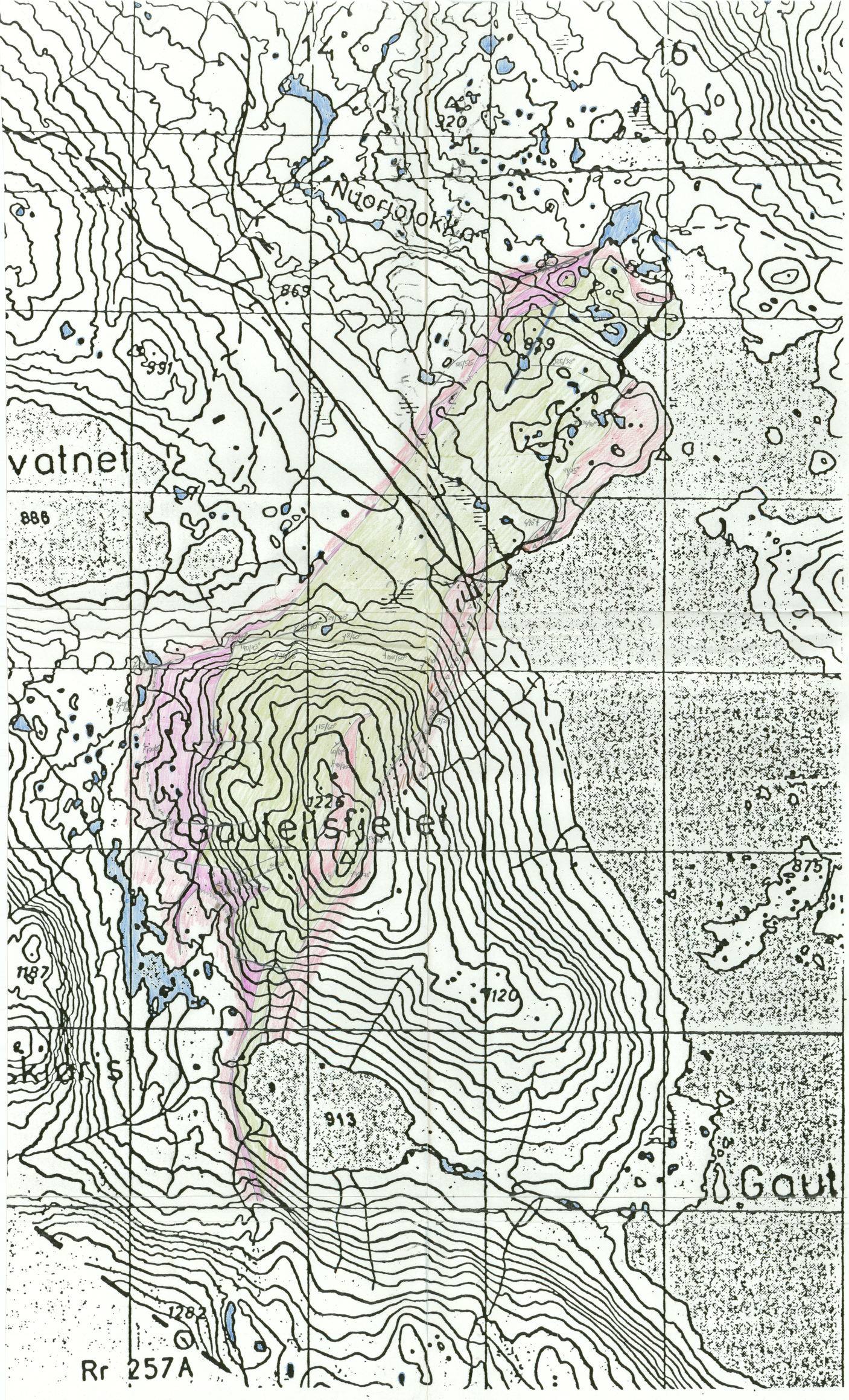
ROMBAK WINDOW
GAUTELISFJELL
SOUTHWEST SLOPE

Geology

Date Aug. 1984 | Scale: 1: 1000 | FDP.

A/S TORRCOPI


METASEDIMENTS AND METAVOLCANICS
V/side Gauteskiftjell
① Mörk brun kalkrik
② Lys -"- -"-
③ Hvit -"- -"-
④ Skarn
⑤ Amfibolitt
⑥ Gneis
⑦ Fragmentert b.a.
GRANI
1050m.a.s.
1030m.a.s.
940m.a.s.
GRANITIC GNEISS
PROFIL 2
PROFIL 3
PROFIL 6
PROFIL 7
PROFIL 8
PROFIL 9
GAU-86-P1-1: 12 ppb
GAU-86-P1-46: 16 ppb
47: 2 "
48: 20 "
49: 16 "
50: 25 "
GAU-85-402: 1400 ppb
GAU-86-P4: 1: 2 ppb
2: 13 "
3: 1 "
6: 3 "
9: 230 "
10: 6 "
11: 3 "
12: 6 "
13: 5 "
14: 6 "
16: 5 "
28: 140 ppb
32: 240 "
GAU-86-P5-11: 2200 ppb
12: 440 "
13: 10 "
18: 39 "
GAU-86-P6: 15 ppb
GAU-86-P8-2: 11 ppb
GAU-86-P3-33: 14 ppb
GAU-86-P2-3: 61 ppb
GAU-86-P10-3: 100 ppb
6: 59 "
GAU-86-P9-13: 40 ppb
GAU-86-P10: 13: 360 ppb
14: 160 "
15: 59 "
16: 1100 "
GAU-86-650: 7 ppb Au
651: 4 "
652: 2 "
GAU-86-462: 7 ppb Au
463: <1
GAU-86-455: <1 ppb Au
GAU-86-456: <1 ppb Au
457: 3
GAU-86-401: 10 ppm
454: <1
GAU-86-453: 28 ppb Au
GAU-85-403: > 10 ppm
GAU-85-404: 14 ppb Au
GAU-86-P1-91: > 10 ppm Au
95: 1 ppb
94: 86 ppb
93: 6 ppb
92: 26 ppb
90: 28 ppb
GAU-86-P5-59: 10 ppm Au
56: 16 ppb
GAU-86-P1-63: 6 ppb
53: 19 ppb
62: 21 ppb
1-84
2-84
3-84
4-84
5-84
6-84
6-85
5-85
1-85
2-85
3-85
4-85
As



8756 Granitischer Gneis
8727 Marmor
8733 Qtz-Phyllit-Serie
8754 Tektit
8745 Amphibolit, trachyt. Gabbro, Dolerit-dyke
8741 saurer Vulkanit

Gaulelifjell Rombak