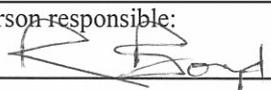


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Title: Sampling of the Laksådal-Bjellåtind W-occurrences, Gildeskål, Nordland.				
Authors: Morten Often and Leif Furuhaug		Client: Nordic Mining ASA		
County: Nordland		Commune: Gildeskål		
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Summary:				
<p>Two scheelite mineralizations in the Bjellåtind area, Gildeskål, Nordland, were sampled by 8 profiles cut by diamond saw. Total length of the profiles is 28,45 m.</p> <p>The sampled mineralizations, locality 1 and 2, occur in the same area as and in similar tectonostratigraphic position as the previously mined molybdenite deposits Laksådalen and Oterstrand.</p> <p>This report documents the sampling and analytical results. No further treatment or evaluation of the results has been done.</p>				
Keywords: Malmgeologi		Prøvetaking		Wolfram

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Sampling of the Laksådal-Bjellåtind W-occurrences

1.1 Introduction

During the period October 16 to 20, 2 localities were sampled at Bjellåtind, approximately 45 km south of Bodø. Sampling was done by NGU personnel, Leif Furuhaug and Morten Often, contracted by Nordic Mining ASA. The sampling sites were chosen and marked for sampling by Dr. Rune Larsen and Brian Balou, Nordic Mining ASA. See Figure 1. The sampled units correspond to the mineralized units previously mined in the Laksådal Mine (1838004/1838005) and Oterstrand Mine (1838003) where molybdenum was the main commodity.

Sampling conditions were not optimal because of highly variable weather. The upper locality, no. 2, is situated about 700 m.a.s.l. and no. 1 about 500 m.a.s.l.. 5 out of the 7 marked profiles were sampled. At locality 1 all 3 marked profiles were sampled. The uppermost locality, locality 2, was sampled first, and is also described first in this report.

The uppermost parts of the pre-marked Profiles at locality 2, above the carbonate horizon, could not be sampled by diamond saw. Overhang made it impossible to handle the saw.

This report documents the field sampling and reports analytical results as delivered from Actlabs in Ancaster, Canada. The collected data have been subject to no further treatment or evaluation. Nordic Mining ASA will conduct their own evaluation of the data.

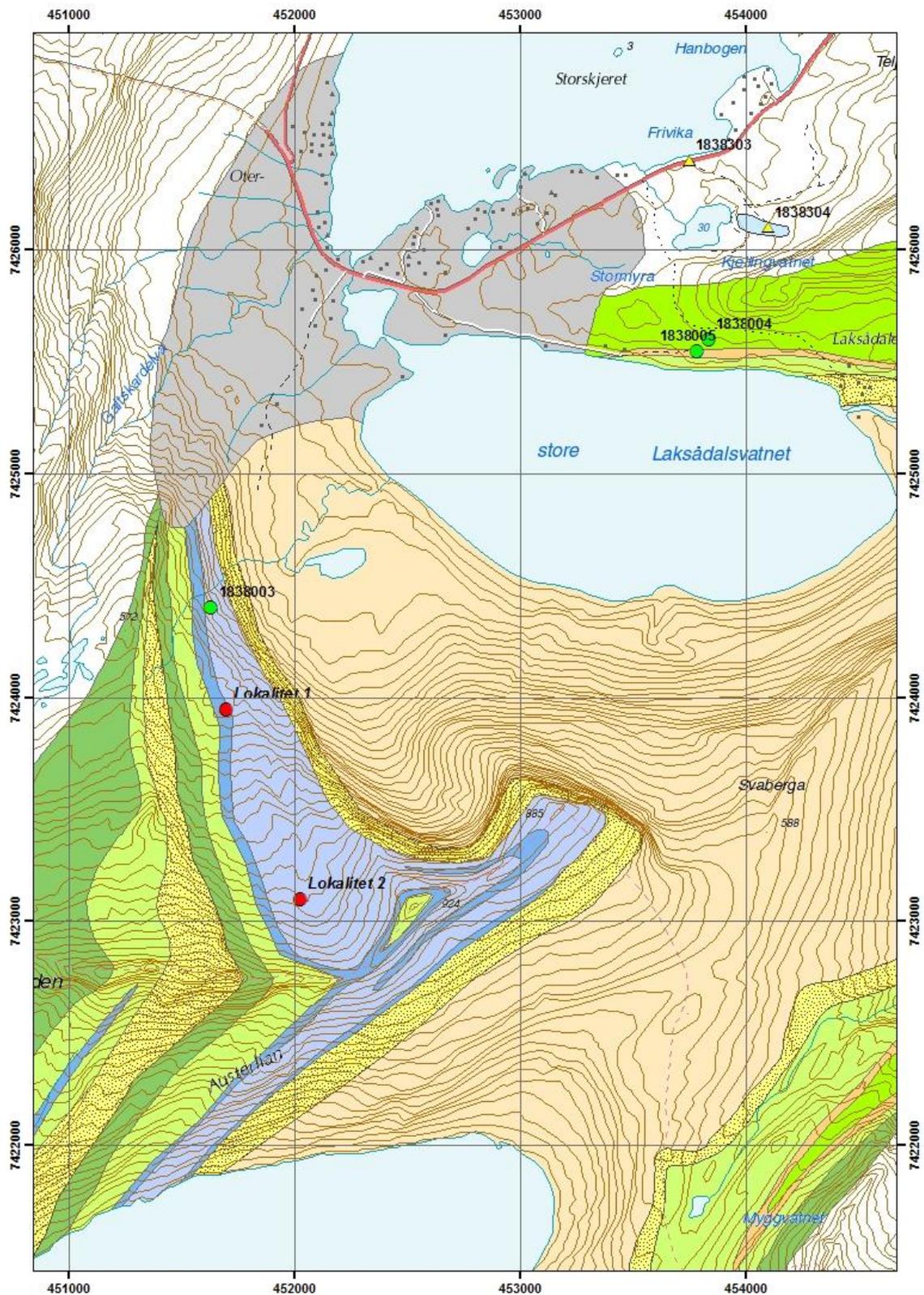


Figure 1: Overview of sample localities at Laksådal.

1.2 Samples

All samples were done by hand held diamond saw, cutting channel samples. A total of 64 samples were collected and analyzed.



Figure 2: Channel sampling by hand held rock saw. Cutting of the uppermost part of Profile 3 at Locality 2.

Table 1: Samples and sample locations.

UTM coord., WGS84									
NGU no	Locality	Profile	Section	Length (cm)	Zone	East	North		
57687	LOK 1	1	1	30	33 W	451695	7423944	skarn, Laksådal	
57688	LOK 1	1	2	50	33 W	451695	7423944	skarn, Laksådal	
57689	LOK 1	1	3	30	33 W	451695	7423944	skarn, Laksådal	
57690	LOK 1	1	4	20	33 W	451695	7423944	skarn, Laksådal	
57691	LOK 1	1	5	80	33 W	451695	7423944	skarn, Laksådal	
57692	LOK 1	1	6	30	33 W	451695	7423944	skarn, Laksådal	
57693	LOK 1	1	7	50	33 W	451695	7423944	skarn, Laksådal	
57694	LOK 1	1	8	40	33 W	451695	7423944	skarn, Laksådal	
57695	LOK 1	1	9	40	33 W	451695	7423944	skarn, Laksådal	
57696	LOK 1	2	1	35	33 W	451695	7423944	skarn, Laksådal	
57697	LOK 1	2	2	50	33 W	451695	7423944	skarn, Laksådal	
57698	LOK 1	2	3	50	33 W	451695	7423944	skarn, Laksådal	
57699	LOK 1	2	4	70	33 W	451695	7423944	skarn, Laksådal	
57700	LOK 1	3	1	50	33 W	451695	7423944	skarn, Laksådal	
57701	LOK 1	3	2	50	33 W	451695	7423944	skarn, Laksådal	
57702	LOK 1	3	3	50	33 W	451695	7423944	skarn, Laksådal	
57703	LOK 1	3	4	50	33 W	451695	7423944	skarn, Laksådal	
57704	LOK 1	3	5	50	33 W	451695	7423944	skarn, Laksådal	
57705	LOK 1	3	6	50	33 W	451695	7423944	skarn, Laksådal	
57706	LOK 1	3	7	50	33 W	451695	7423944	skarn, Laksådal	
57707	LOK 1	3	8	50	33 W	451695	7423944	skarn, Laksådal	
57708	LOK 2	1	1	40	33 W	452012	7423110	skarn, Laksådal	
57709	LOK 2	1	2	30	33 W	452012	7423110	skarn, Laksådal	
57710	LOK 2	1	3	30	33 W	452012	7423110	skarn, Laksådal	
57711	LOK 2	1	4	35	33 W	452012	7423110	skarn, Laksådal	
57712	LOK 2	1	5	35	33 W	452012	7423110	skarn, Laksådal	
57713	LOK 2	1	6	35	33 W	452012	7423110	skarn, Laksådal	
57714	LOK 2	1	7	35	33 W	452012	7423110	skarn, Laksådal	
57715	LOK 2	1	8	40	33 W	452012	7423110	skarn, Laksådal	
57716	LOK 2	1	9	40	33 W	452012	7423110	skarn, Laksådal	
57717	LOK 2	1	10	50	33 W	452012	7423110	skarn, Laksådal	
57718	LOK 2	1	11	40	33 W	452012	7423110	skarn, Laksådal	
57719	LOK 2	1	12	40	33 W	452012	7423110	skarn, Laksådal	
57720	LOK 2	1	13	50	33 W	452012	7423110	skarn, Laksådal	
57721	LOK 2	1	14	50	33 W	452012	7423110	skarn, Laksådal	
57722	LOK 2	2	1	35	33 W	452012	7423110	skarn, Laksådal	
57723	LOK 2	2	2	30	33 W	452012	7423110	skarn, Laksådal	
57724	LOK 2	2	3	50	33 W	452012	7423110	skarn, Laksådal	
57725	LOK 2	2	4	50	33 W	452012	7423110	skarn, Laksådal	
57726	LOK 2	2	5	50	33 W	452012	7423110	skarn, Laksådal	
57727	LOK 2	2	6	50	33 W	452012	7423110	skarn, Laksådal	
57728	LOK 2	2	3 (additional pieces)		33 W	452012	7423110	skarn, Laksådal. skarn, Laksådal.	
57729	LOK 2	3	1	40	33 W	452012	7423110	Kyanite	
57730	LOK 2	3	2	35	33 W	452012	7423110	skarn, Laksådal	
57731	LOK 2	3	3	35	33 W	452012	7423110	skarn, Laksådal	
57732	LOK 2	3	4	30	33 W	452012	7423110	skarn, Laksådal	
57733	LOK 2	3	5	100	33 W	452012	7423110	skarn, Laksådal	
57734	LOK 2	3	6	40	33 W	452012	7423110	skarn, Laksådal	
57735	LOK 2	3	7	40	33 W	452012	7423110	skarn, Laksådal	
57736	LOK 2	4	1	40	33 W	452012	7423110	skarn, Laksådal	
57737	LOK 2	4	2	40	33 W	452012	7423110	skarn, Laksådal	
57738	LOK 2	4	3	65	33 W	452012	7423110	skarn, Laksådal	
57739	LOK 2	4	4	30	33 W	452012	7423110	skarn, Laksådal	
57740	LOK 2	4	5	110	33 W	452012	7423110	skarn, Laksådal	
57741	LOK 2	4	6	50	33 W	452012	7423110	skarn, Laksådal	
57742	LOK 2	4	7	40	33 W	452012	7423110	skarn, Laksådal	
57743	LOK 2	5	1	35	33 W	452012	7423110	skarn, Laksådal	
57744	LOK 2	5	2	35	33 W	452012	7423110	skarn, Laksådal	
57745	LOK 2	5	3	30	33 W	452012	7423110	skarn, Laksådal	
57746	LOK 2	5	4	60	33 W	452012	7423110	skarn, Laksådal	
57747	LOK 2	5	5	90	33 W	452012	7423110	skarn, Laksådal	
57748	LOK 2	5	6	50	33 W	452012	7423110	skarn, Laksådal	
57749	LOK 2	5	7	30	33 W	452012	7423110	skarn, Laksådal	
57750	LOK 2	5	8	30	33 W	452012	7423110	skarn, Laksådal	

1.3 Analyses

All samples were sent to Actlabs in Ancaster, Canada, for major and trace element analyses, as pr request from Nordic Mining. The results are listed in Appendix I.



Figure 3: Bjellåtind October 19 2007, all samples safely down. Sample localities are located near the edge in the upper right hand corner of the photo.



Figure 4: Transport in field.

1.4 Locality 2

33W 452012 7423110

5 Profiles were sampled out of the planned 7. Profiles 1-5 were successfully sampled on October 17 during conditions shown in Figure 5. Sampling was terminated late afternoon when light conditions no longer allowed work to continue. Profiles 6 and 7 were omitted owing to the snow conditions on return on October 19 (Fig. 6).

Profiles are numbered from south to north (left to right looking at the cliff face), 1-5. Distance between Profiles are:

1 to 2	2 to 3	3 to 4	4 to 5
3 m	2,5 m	2,5 m	6 m



Figure 5: At locality 2, October 17.



Figure 6: Locality 2 on October 19.

1.4.1 Profile 1



Figure 2: Profile 1. Removal of soil cover was necessary in places.



Figure 3: First and lowermost sample in Profile 1.



Figure 4: Profile 1, Lower part of the vertical section.



Figure 5: Profile 1. Central part of the vertical section, coarse carbonate.



Figure 6: Profile 1, uppermost part.

1.4.2 Profile 2



Figure 7: Profile 2, sample 1. Lowermost part of the profile.



Figure 8: Profile 2, sample 2.



Figure 9: Profile 2, sample 3.



Figure 10: Profile 2, sample 4 and 5.



Figure 11: Profile 2, sample 5 and 6.



Figure 12: Profile 2, uppermost part, shows how profile line is adjusted to enable sampling the most complete section and avoid overburden.

1.4.3 Profile 3



Figure 13: Profile 3, sample 1. Kyanite rich.



Figure 14: Profile 3, sample 2 and 3.



Figure 15: Profile 3, sample 4.



Figure 16: Profile 3, sample 5 and 6.



Figure 17: Profile 3, sample 6 and 7.

1.4.4 Profile 4



Figure 18: Profile 4, sample 1 and 2.



Figure 19: Profile 4, sample 3.



Figure 20: Profile 4, sample 4.



Figure 21: Profile 4, sample 5.



Figure 22: Profile 4, sample 6 and 7.

1.4.5 Profile 5



Figure 23: Profile 5.



Figure 24: Profile 5, sample 1 and 2.



Figure 25: Profile 5, sample 3.



Figure 26: Profile 5, sample 4 and 5.



Figure 27: Profile 5, sample 5.



Figure 28: Profile 5, sample 6, 7 and 8.

1.5 Locality 1

33W 451695 7423944

3 Profiles were sampled.



Figure 29: Locality 1 with profiles 1-3.

1.5.1 Profile 1



Figure 30: Locality 1. Profile 1 being sampled.



Figure 31: Locality 1. Profile 1 sampled.



Figure 32: Profile 1, sample 1.



Figure 33: Profile 1, sample 2.



Figure 34: Profile 1, sample 3 and 4.



Figure 35: Profile 1, sample 5 and 6.



Figure 36: Profile 1, sample 6.



Figure 37: Profile 1, sample 7.



Figure 38: Profile 1, sample 8.

1.5.2 Profile 2



Figure 39: Profile 2.



Figure 40: Profile 2, sample 1.



Figure 41: Profile 2, sample 2 and 3.



Figure 42: Profile 2, sample 4.

1.5.3 Profile 3



Figure 43: Profile 3.



Figure 44: Profile 3, sample 1.



Figure 45: Profile 3, sample 2.



Figure 46: Profile 3, sample 3.



Figure 47: Profile 3, sample 4.



Figure 48: Profile 3, sample 5.



Figure 49: Profile 3, sample 6.



Figure 50: Profile 3, sample 7.



Figure 51: Profile 3, sample 8.

APPENDIX I

Major and trace element concentrations of channel samples, analysed by INAA, Actlabs Ancaster, Canada. Limits of detection are given in the third row.

SAMPLE details				UTM coord.		Symbol	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	LOI	Total	Au	Ag	As	Ba			
NGU no	Locality	Profile	Section	Length (cm)	WGS84 Zone	East	North	Unit Symbol	%	%	%	%	%	%	%	%	%	%	ppb	ppm	ppm	ppm			
						Detection Limit	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	5	0.5	2	3			
						Analysis Method	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	INAA	MULT INAA / TD-ICP	INAA	MULT INAA/FUSICP				
57687	LOK 1	1	1	30	33 W	451695	7423944	skarn, Laksådal	57687	68,27	12,89	6,16	0,11	2,58	4,27	3,36	2,97	1,02	0,24	0,91	> 101,0	< 5	< 0.5	2	456
57688	LOK 1	1	2	50	33 W	451695	7423944	skarn, Laksådal	57688	70	10,06	4,95	0,09	2,77	4,12	2,49	2,41	0,753	0,18	1,55	99,39	< 5	< 0.5	< 2	344
57689	LOK 1	1	3	30	33 W	451695	7423944	skarn, Laksådal	57689	66,6	12,93	5,82	0,09	3,07	4,19	3,6	2,54	1,024	0,18	0,39	100,4	< 5	< 0.5	< 2	186
57690	LOK 1	1	4	20	33 W	451695	7423944	skarn, Laksådal	57690	55,99	13,26	9,66	0,17	4,18	7,13	3,17	1,87	1,77	0,41	0,93	98,54	< 5	< 0.5	< 2	435
57691	LOK 1	1	5	80	33 W	451695	7423944	skarn, Laksådal	57691	56,28	13,07	7,68	0,17	4,49	6,45	3,16	3,37	1,413	0,25	2,13	98,45	< 5	< 0.5	2	267
57692	LOK 1	1	6	30	33 W	451695	7423944	skarn, Laksådal	57692	63,23	11,95	5,52	0,08	3,83	6,42	2,84	2,57	0,769	0,22	3,43	100,9	< 5	< 0.5	< 2	275
57693	LOK 1	1	7	50	33 W	451695	7423944	skarn, Laksådal	57693	60,24	12,8	5,75	0,2	4,65	3,91	2,57	5,62	0,832	0,23	2,41	99,21	< 5	< 0.5	< 2	349
57694	LOK 1	1	8	40	33 W	451695	7423944	skarn, Laksådal	57694	55,93	13,85	8,16	0,22	5,46	7,11	3,03	3,37	1,708	0,23	1,23	100,3	< 5	< 0.5	< 2	209
57695	LOK 1	1	9	40	33 W	451695	7423944	skarn, Laksådal	57695	55,54	13,95	5,7	0,26	4,6	5,25	2,21	7,14	0,838	0,33	3,51	99,34	< 5	< 0.5	< 2	452
57696	LOK 1	2	1	35	33 W	451695	7423944	skarn, Laksådal	57696	62,82	13,42	6,86	0,12	3,8	4,91	3,43	2,72	1,23	0,22	0,36	99,9	< 5	< 0.5	< 2	221
57697	LOK 1	2	2	50	33 W	451695	7423944	skarn, Laksådal	57697	57,22	14,48	7,89	0,15	4,48	6,22	3,3	3,57	1,428	0,31	1,56	100,6	< 5	< 0.5	< 2	359
57698	LOK 1	2	3	50	33 W	451695	7423944	skarn, Laksådal	57698	66,61	12,41	5,09	0,14	3,48	4,61	2,73	2,89	0,746	0,2	0,8	99,7	< 5	< 0.5	< 2	316
57699	LOK 1	2	4	70	33 W	451695	7423944	skarn, Laksådal	57699	69,43	13,11	3,67	0,05	2,08	1,31	3	5,44	0,454	0,11	0,56	99,21	< 5	< 0.5	< 2	323
57700	LOK 1	3	1	50	33 W	451695	7423944	skarn, Laksådal	57700	63,68	12,53	6,7	0,12	3,28	4,82	3,09	2,68	1,223	0,22	0,87	99,23	< 5	< 0.5	< 2	443
57701	LOK 1	3	2	50	33 W	451695	7423944	skarn, Laksådal	57701	54,83	13,85	10,2	0,16	4,11	7,5	3,84	1,32	1,985	0,32	0,7	98,81	< 5	< 0.5	< 2	355
57702	LOK 1	3	3	50	33 W	451695	7423944	skarn, Laksådal	57702	60,99	13,26	6,09	0,08	4	5,86	3	2,98	0,783	0,2	2,68	99,92	< 5	< 0.5	< 2	321
57703	LOK 1	3	4	50	33 W	451695	7423944	skarn, Laksådal	57703	56,08	14,57	8,2	0,12	5,31	6,11	3,5	2,21	1,489	0,27	1,43	99,3	< 5	< 0.5	< 2	353
57704	LOK 1	3	5	50	33 W	451695	7423944	skarn, Laksådal	57704	Analyses lacking from ACTLAB															
57705	LOK 1	3	6	50	33 W	451695	7423944	skarn, Laksådal	57705	59,45	12,71	6,18	0,09	4,26	6,43	3,01	2,47	0,87	0,22	3,14	98,81	< 5	< 0.5	< 2	332
57706	LOK 1	3	7	50	33 W	451695	7423944	skarn, Laksådal	57706	57,29	14,38	7,11	0,12	5,77	4,55	3,66	3,09	1,189	0,26	1,05	98,47	< 5	< 0.5	< 2	247
57707	LOK 1	3	8	50	33 W	451695	7423944	skarn, Laksådal	57707	53,14	14,15	7,39	0,17	6,24	6,93	3,05	3,67	1,42	0,27	2,31	98,75	< 5	< 0.5	< 2	249
57708	LOK 2	1	1	40	33 W	452012	7423110	skarn, Laksådal	57708	61,04	12,1	5,3	0,09	4,04	10,93	1,84	1,79	0,85	0,25	1,06	99,29	< 5	< 0.5	< 2	340
57709	LOK 2	1	2	30	33 W	452012	7423110	skarn, Laksådal	57709	63,73	12,13	5,55	0,08	3,92	9,94	1,83	1,68	0,781	0,22	1,07	100,9	< 5	< 0.5	< 2	302
57710	LOK 2	1	3	30	33 W	452012	7423110	skarn, Laksådal	57710	59,36	13,2	5,61	0,08	4,14	11,38	1,79	2,1	0,906	0,25	1,08	99,9	< 5	< 0.5	< 2	372
57711	LOK 2	1	4	35	33 W	452012	7423110	skarn, Laksådal	57711	51,55	4,64	2	0,09	17,37	18,09	1,07	0,46	0,201	0,13	4,4	100	< 5	< 0.5	< 2	28
57712	LOK 2	1	5	35	33 W	452012	7423110	skarn, Laksådal	57712	54,86	13,47	3,77	0,1	9,71	9,87	3,53	2,4	0,798	0,35	1,29	100,2	< 5	< 0.5	2	273
57713	LOK 2	1	6	35	33 W	452012	7423110	skarn, Laksådal	57713	55,86	16,75	6,6	0,09	4,75	5,57	2,74	4,08	0,97	0,27	1,51	99,19	5	0,6	< 2	556
57714	LOK 2	1	7	35	33 W	452012	7423110	skarn, Laksådal	57714	56,45	13,43	8,9	0,2	2,56	4,66	1,44	3,17	0,766	0,28	8,01	99,87	< 5	0,7	< 2	484
57715	LOK 2	1	8	40	33 W	452012	7423110	skarn, Laksådal	57715	58,74	17,11	8,6	0,13	2,9	3,92	3,31	2,95	1,354	0,49	1,07	100,6	< 5	< 0.5	< 2	529
57716	LOK 2	1	9	40	33 W	452012	7423110	skarn, Laksådal	57716	64,14	17,13	6,17	0,09	2,39	1,76	3,57	3,8	0,92	0,22	0,75	100,9	< 5	< 0.5	< 2	674
57717	LOK 2	1	10	50	33 W	452012	7423110	skarn, Laksådal	57717	15,28	2,76	1,42	0,03	5,36	41,72	0,58	0,48	0,317	0,14	31,76	99,85	< 5	1,1	< 2	69
57718	LOK 2	1	11	40	33 W	452012	7423110	skarn, Laksådal	57718	49,51	10,66	5,16	0,08	8,43	15,45	1,52	1,53	1,042	0,27	6,31	99,96	< 5	0,6	3	507
57719	LOK 2	1	12	40	33 W	452012	7423110	skarn, Laksådal	57719	66,65	10,49	3,84	0,07	4,81	7,3	2,85	2,75	0,521	0,13	0,97	100,4	< 5	0,8	2	177
57720	LOK 2	1	13	50	33 W	452012	7423110	skarn, Laksådal	57720	54,25	14,32	9,57	0,14	5,02	8,86	2	1,74	1,116	0,35	2,72	100,1	< 5	< 0.5	< 2	239
57721	LOK 2	1	14	50	33 W	452012	7423110	skarn, Laksådal	57721	63,66	17,75	6,72	0,09	1,75	2,42	3,88	2,69	0,928	0,33	0,72	101	6	< 0.5	< 2	364
57722	LOK 2	2	1	35	33 W	452012	7423110	skarn, Laksådal	57722	64,85	14,75	6,51	0,06	3,37	2,81	2,95	2,38	0,84	0,2	2,01	100,7	< 5	< 0.5	< 2	357
57723	LOK 2	2	2	30	33 W	452012	7423110	skarn, Laksådal	57723	63,12	16,95	6,92	0,1	2,48	1,93	3,31	3,46	0,997	0,27	0,84	100,4	< 5	< 0.5	< 2	658
57724	LOK 2	2	3	50	33 W	452012	7423110	skarn, Laksådal	57724	56,34	12,02	6,79	0,08	6,62	8,12	2,92	2,84	1,534	0,36	2,24	99,85	< 5	0,6	< 2	285
57725	LOK 2	2	4	50	33 W	452012	7423110	skarn, Laksådal	57725	21,65	4,76	3,27	0,06	5,81	35,86	0,84	1,03	0,642	0,21	24,39	98,52	< 5	1,2	< 2	136
57726	LOK 2	2	5	50	33 W	452012	7423110	skarn, Laksådal	57726	41,44	11,11	7,43	0,1	5,27	17,68	2,68	1,8	1,343	0,22	10,68	99,75	< 5	< 0.5	< 2	295
57727	LOK 2	2	6	50	33 W	452012	7423110	skarn, Laksådal	57727	49,2	16	8,21	0,11	5,41	8,36	2,97	3,84	1,474	0,33	3,05	98,95	< 5	< 0.5	< 2	377
57728	LOK 2	2	3 (additional pieces)		33 W	452012	7423110	skarn, Laksådal	57728	45,02	8,86	3,56	0,06	4,19	21,02	2,2	1,87	0,876	0,18	10,86	98,7	< 5	0,8	< 2	187
57729	LOK 2	3	1	40	33 W	452012	7423110	skarn, Laksådal. Kyanite	57729	57,84	7,58	4,28	0,14	14,99	10,55	1,75	1,74	0,43	0,19	1,48	101	< 5	< 0.5	< 2	256
57730	LOK 2	3	2	35	33 W	452012	7423110	skarn, Laksådal	57730	64,57	14,19	7,6	0,1	2,98	2,06	2	3,14	0,834	0,25	3,11	100,8	< 5	< 0.5	< 2	472
57731	LOK 2	3	3	35	33 W	452012	7423110	skarn, Laksådal	57731	63,97	15,02	6,09	0,05	3,77	2,93	3,23	2,07	0,862	0,17	2,18	100,3	9	< 0.5	< 2	331
57732	LOK 2	3	4	30	33 W	452012	7423110	skarn, Laksådal	57732	59,37	17,21	8,07	0,13	2,7	3,09	3,87	3,19	1,324	0,42	1,08	100,5	< 5	< 0.5	< 2	572
57733	LOK 2	3	5	100	33 W	452012	7423110	skarn, Laksådal	57733	37,4	8,89	5,16	0,08	4,25	22,73	1,71	2,18	1,147	0,26	14,7	98,51	< 5	0,6	< 2	243
57734	LOK 2	3	6	40	33 W	452012	7423110	skarn, Laksådal	57734	24,23	4,31	2,24	0,05	6,19	34,48	0,87	0,95	0,393	0,14	25,74	99,6	< 5	1	< 2	128
57735	LOK 2	3	7	40	33 W	452012	7423110</																		

NGU no	Be	Bi	Br	Cd	Co	Cr	Cs	Cu	Hf	Hg	Ir	Mo	Ni	Pb	Rb	S	Sb	Sc	Se	Sr	Ta	Th	U	V	W	Y	Zn	Zr	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass			
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g
	1	2	1	0.5	1	1	1	0.5	1	0.5	1	5	2	1	5	20	0.001	0.2	0.1	3	2	1	0.5	0.5	5	3	1	1	2	0.2	3	5	0.1	0.1	0.1	0.5	0.1	0.05		
	FUS-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	TD-ICP	INAA	INAA	INAA	INAA	TD-ICP	TD-ICP	TD-ICP	INAA	TD-ICP	INAA	INAA	INAA	JS-ICP	INAA	INAA	INAA	JS-ICP	INAA	FUS-ICP	TD-ICP	JS-ICP	INAA	INAA										
57687	3	<2	<1	<0.5	11	55	2,8	19	9,2	<1	<5	<2	25	18	80	0,137	<0.2	12,9	<3	173	<1	14,7	6,3	98	<3	82	109	389	45,3	118	71	6	2,1	2	7,3	1,4	1,421			
57688	3	<2	<1	<0.5	12	62	5,3	20	3,7	<1	<5	<2	27	18	50	0,055	<0.2	11,3	<3	131	1	10,3	3	80	101	53	82	276	34,7	84	50	4,4	1,5	1,4	5,3	0,96	1,545			
57689	3	<2	<1	<0.5	17	48	2,9	18	7,2	<1	<5	<2	17	22	90	0,099	<0.2	15,4	<3	196	<1	17,2	6,3	116	129	68	95	243	49,5	119	58	6,2	1,4	2	6,5	1,21	1,538			
57690	2	<2	<1	0,7	23	70	1,9	27	6,2	<1	<5	<2	27	14	30	0,124	<0.2	23,9	<3	191	<1	7	3	184	7	57	95	295	25,6	66	47	4,8	2,4	1,5	4,6	0,91	1,766			
57691	19	<2	<1	0,6	20	89	10,3	27	5,1	<1	<5	161	37	14	130	0,11	<0.2	26,5	<3	213	4	7,7	17	203	1510	67	99	215	26,5	74	53	5,2	1,8	1,6	5,4	0,93	1,329			
57692	3	<2	<1	<0.5	18	146	4,3	27	5	<1	<5	4	65	13	90	0,123	<0.2	13,6	<3	142	<1	9	3,6	102	11	33	75	217	29,8	68	33	3,3	1,4	<0.5	3	0,64	1,58			
57693	23	<2	<1	0,5	13	160	18,9	62	4,3	<1	<5	106	68	7	270	0,201	<0.2	22,6	<3	149	7	11,2	16,2	142	1300	76	99	216	33,6	92	45	5,5	1,8	1,5	6,6	1,22	1,39			
57694	17	<2	<1	0,6	25	164	11,2	37	2,7	<1	8	198	34	8	150	0,032	0,4	31,7	<3	223	7	5,9	16,5	222	735	59	84	128	16,5	55	32	4,3	1,4	<0.5	5,3	0,98	1,596			
57695	12	<2	<1	<0.5	10	163	14,6	24	5	<1	<5	12	43	13	300	0,017	0,5	23	<3	183	11	11,2	9,3	141	1370	97	112	241	39	93	60	4,1	1,6	1,5	8,7	1,62	1,444			
57696	4	<2	<1	<0.5	19	79	5,1	24	8,1	<1	<5	<2	20	19	90	0,039	<0.2	19,1	<3	186	<1	13	5,4	141	8	65	98	286	33,4	93	47	5	1,6	<0.5	6	1,05	1,6			
57697	12	<2	<1	0,5	19	87	9,8	22	5	<1	<5	169	38	15	170	0,086	<0.2	23,1	<3	206	3	8,4	22,6	173	768	59	84	261	28	80	36	5,1	1,7	1,3	5	0,97	1,362			
57698	5	<2	<1	0,5	13	84	4,2	13	<0.5	<1	<5	232	46	10	70	0,043	0,4	14,7	<3	173	<1	5	5,2	99	3780	40	68	150	24,5	72	34	4,7	1	1,7	4	0,68	1,569			
57699	5	<2	<1	<0.5	9	28	10,3	30	5,3	<1	<5	24	26	26	180	0,183	0,4	7,1	<3	143	<1	22,5	11,7	49	218	67	98	397	51,9	123	54	6	1	1,8	6,2	1,01	1,593			
57700	4	<2	<1	0,5	17	73	5,5	22	6,1	<1	<5	<2	27	16	100	0,14	<0.2	17,8	<3	160	<1	12,1	5	130	61	71	88	324	32,6	70	40	5,8	2	1,7	6,4	1,06	1,467			
57701	2	<2	<1	0,7	25	57	<0.5	17	6,1	<1	<5	<2	16	10	<20	0,059	<0.2	28,1	<3	243	<1	5,1	<0.5	222	6	49	86	222	22,5	61	42	4,5	2,5	1,3	4,7	0,88	1,634			
57702	4	<2	<1	<0.5	19	116	6,8	43	6,1	<1	<5	<2	62	16	100	0,161	<0.2	14,1	<3	129	2	10,1	4,6	121	6	41	86	229	36,4	86	41	2,3	1,3	0,9	3,8	0,71	1,273			
57703	9	<2	<1	0,5	26	127	8	30	5,4	<1	<5	<2	49	10	100	0,039	<0.2	27,3	<3	190	<1	8	4,2	202	5	47	85	194	28,4	70	41	2,6	2	<0.5	4,3	0,68	1,305			
57704																																								
57705	7	<2	<1	<0.5	18	138	8,3	37	5	<1	5	<2	77	12	130	0,165	<0.2	16	<3	167	<1	8,7	3,5	123	<3	36	82	191	32	71	35	3,6	1,6	<0.5	3,3	0,59	1,621			
57706	22	<2	<1	<0.5	19	166	20,2	13	4,8	<1	<5	<2	71	12	170	0,023	0,5	22,4	<3	152	<1	8,3	3,2	167	14	52	87	194	26,7	67	22	2,2	1,6	1	3,9	0,7	1,611			
57707	20	<2	<1	<0.5	27	189	21,1	37	1,8	<1	<5	49	81	11	200	0,073	<0.2	24,8	<3	211	2	4,1	5,2	182	60	57	86	164	16,4	52	35	3	1,4	0,5	3,6	0,75	1,448			
57708	2	<2	13	<0.5	16	100	4,3	20	5,7	<1	<5	<2	47	11	70	0,006	<0.2	12,9	<3	316	1	10,6	2,2	106	5	29	55	240	30,9	73	33	1,9	1,4	0,9	2,8	0,51	1,75			
57709	2	<2	12	<0.5	15	103	6	12	5,7	<1	<5	<2	59	12	80	0,001	<0.2	13	<3	300	<1	10,2	2,6	110	<3	28	72	204	30,5	73	45	3,3	1,5	<0.5	2,7	0,46	1,686			
57710	2	<2	14	<0.5	15	95	6,8	11	5,5	<1	<5	<2	51	14	70	0,013	<0.2	13	<3	314	<1	11,6	2,5	107	5	31	64	243	33,8	76	31	3,3	1,3	<0.5	2,5	0,4	1,613			
57711	8	<2	21	<0.5	5	<1	5,7	2	1,1	<1	<5	<2	7	<5	50	0,003	0,3	2,5	<3	77	<1	5,8	2,2	14	35	9	43	61	7,6	24	8	1,3	0,2	<0.5	1	0,17	1,565			
57712	12	<2	<1	<0.5	11	76	17,1	6	3	<1	<5	<2	38	8	160	0,006	<0.2	19,8	<3	432	<1	12,4	3	129	<3	24	58	133	26,6	67	32	3,2	1,2	<0.5	2,2	0,41	1,515			
57713	4	<2	<1	<0.5	20	106	10	64	5,1	<1	<5	<2	55	13	120	0,262	0,4	18,9	<3	550	<1	18,6	6,1	212	6	29	101	165	49	117	55	4,6	1,6	<0.5	2,5	0,54	1,212			
57714	5	<2	<1	0,7	25	104	3,9	133	3,5	<1	<5	11	77	28	90	1,96	<0.2	13,3	<3	216	<1	17,7	12,9	309	9	17	136	152	44,2	96	64	4,7	1,5	<0.5	1,3	0,22	1,187			
57715	4	<2	<1	0,6	29	49	6,2	47	5,9	<1	<5	<2	45	19	130	0,155	<0.2	14,8	<3	304	3	22	5,5	115	6	41	102	225	59,4	137	62	5,5	3,1	1,6	2,9	0,58	1,408			
57716	3	<2	<1	<0.5	17	50	4,4	19	6,9	<1	<5	<2	38	27	140	0,005	<0.2	11,6	<3	209	2	27,1	2,2	58	<3	53	75	268	65,1	133	60	5,9	2,3	1,3	3,7	0,69	1,382			
57717	4	<2	<1	<0.5	6	30	1,8	28	2,1	<1	<5	<2	13	<5	20	0,173	0,3	3	<3	799	<1	5,1	3,9	29	14	9	31	86	16,7	36	17	1,4	0,4	<0.5	1,1	0,16	1,303			
57718	2	<2	3	<0.5	18	110	3,9	12	4	<1	<5	<2	49	10	70	0,064	0,4	11,1	<3	499	1	9,1	2,5	93	8	28	56	170	29,5	73	32	3,1	1,5	<0.5	2,1	0,41	1,514			
57719	6	<2	<1	<0.5	7	18	1,6	12	9,3	<1	<5	<2	20	<5	70	0,237	0,4	4,8	<3	163	2	30	8,4	33	<3	46	28	386	42,4	102	52	2,6	1,1	1	3,9	0,66	1,645			
57720	21	<2	5	0,5	23	182	11,8	61	2,3	<1	14	43	111	22	100	0,094	<0.2	17,7	<3	198	<1	7,4	3,3	165	451	21	81	149	25,2	65	27	3	1,4	<0.5	1,3	0,22	1,592			
57721	3	<2	<1	0,6	21	104	4,3	15	4,9	<1	<5	<2	70	25	70	0,023	<0.2	11,6	<3	175	1	11,9	2,1	70	5	21	76	319	46,7	101	39	3,7	1,4	<0.5	1,2	0,25	1,357			
57722	3	<2	<1	0,5	21	130	4,7	44	4,8	<1	10	<2	84	14	100	0,607	0,2	16,3	<3	207	<1	11,3	3,8	143	<3	26	90	230	43,1	94	58	4,5	1,7	<0.5	2	0,39	1,423			
57723	4	<2	<1	0,5	20	58	4,7	30	6,4	<1	<5	<2	47	30	130	0,022	<0.2	12,3	<3	197	<1	24,7	5,3	78	<3	52	107	244	75,6	158	85	6,6	2,4	1,4	4,2	0,76	1,405			
57724	5	<2	<1</																																					



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