

**Departament de Cristal·lografia,
Mineralogia i Dipòsits Minerals.**

**GEOLOGIA I METAL·LOGENIA DEL
CONTACTE SUD DEL GRANIT
D'ANDORRA (PIRINEU CENTRAL).**

ANEXES

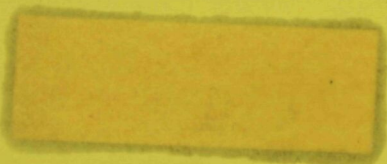
Albert SOLER i GIL

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BIBLIOTECA DE GEOLOGIA

Dēmaneu els mapes al taulell
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ANNEX 1.
MAPA GEOLOGIC.



ANNEX 2.

**TAULES I MAPES DE LA PROSPECCIO
ESTRATEGICA.**

TAULA N°7.1.- CONTINGUTS EN SCHEELITA DE LES BATEES

numero de batea	numero de grans per fracció			mil.ligrams assimilats
	1 i 0.3	0.3 i 0.1	0.1	
1	0	36	106	1.07
2	2	152	331	7.56
3	4	294	225	14.16
4	1	65	150	3.48
5	2	150	300	7.46
6	2	68	620	5.93
7	2	73	330	5.58
8	0	107	500	3.48
9	0	375	530	10.26
10	0	21	405	1.18
11	0	30	145	0.98
12	0	44	123	1.30
13	0	5	60	0.23
14	0	17	60	0.53
15	0	11	18	0.31
16	0	35	49	0.96
17	0	1	0	0.03
18	0	0	3	0.00
19	4	206	360	12.18
20	0	151	250	4.19
21	0	14	80	0.48
22	0	2	20	0.08
23	0	0	1	0.00
24	0	6	10	0.17
25	0	1	6	0.04
26	0	0	2	0.00
27	0	12	106	0.47
28	0	47	240	1.57
29	2	136	185	6.93
30	0	10	75	0.37
31	0	0	12	0.02
32	0	0	10	0.02
33	3	154	230	9.05
34	0	1	0	0.03
35	0	0	0	0.00
36	0	0	0	0.00
37	0	1	1	2.19
38	1	23	3	2.19
39	0	91	460	3.02
40	0	120	220	3.36
41	0	54	90	1.49
42	1	106	95	4.42

TAULA N°71.(cont)- CONTINGUTS EN SCHEELITA DE LES BATEES

numero de batea	numero de grans per fracció			mil.ligrams assimilats
	1 i 0.3	0.3 i 0.1	0.1	
43	11	90	95	20.10
44	1	112	80	4.55
45	0	0	0	0
46	0	5	3	0.13
47	0	0	0	0
48	0	0	0	0
49	0	1	1	0.03
50	0	0	1	0.00
51	0	0	2	0.00
52	0	87	570	3.10
53	0	7	20	0.21
54	0	92	150	2.55
55	2	280	300	10.72
56	4	101	220	9.31
57	0	2	4	0.06
58	2	12	66	3.63
59	0	22	21	0.58
60	0	45	92	1.28
61	2	195	435	8.81
62	0	1	0	0.03
63	0	52	100	1.46
64	0	17	4	0.44
65	0	0	1	0.00
66	0	10	16	0.28
67	1	5	5	1.75
68	0	0	0	0.00
69	0	1	0	0.03
70	0	1	5	0.04
71	2	178	225	8.04
72	0	77	100	2.09
73	1	12	55	2.00
74	0	8	4	0.21
75	0	59	60	1.58
76	0	19	21	0.51
77	12	392	570	30.05
78	0	31	70	0.89
79	0	116	335	3.45
80	8	710	1200	32.60
81	0	3	7	0.09
82	31	407	320	60.57
83	4	58	8	7.89
84	2	178	180	7.97

TAULA N°71.- (cont) CONTINGUTS EN SCHEELITA DE LES BATEES

numero de batea	numero	numero de grans per fracció				mil.ligrams assimilats
		1 i 0.3	0.3 i 0.1	0.1		
	85	11	1150	675	47.62	
	86	0	5	2	0.13	
	87	20	244	520	39.12	
	88	2	66	12	4.90	
	89	1	10	4	1.87	
	90	5	79	150	10.26	
	91	0	2	0	0.05	
	92	0	1	0	0.03	
	93	0	32	140	1.03	
	94	0	3	38	0.14	
	95	0	51	205	1.61	
	96	4	113	90	9.40	
	97	0	98	310	2.96	
	98	3	176	180	9.52	
	99	4	144	348	10.60	
	100	2	98	620	6.68	
	101	2	34	104	4.24	
	102	0	28	28	0.75	
	103	0	0	0	0	
	104	0	4	1	0.10	
	105	0	3	7	0.09	
	106	0	6	10	0.17	
	107	0	4	30	0.15	
	108	0	0	0	0	
	109	0	0	10	0.02	
	110	0	2	0	0.05	
	111	0	1	0	0.03	
	112	0	1	0	0.03	
	113	0	0	2	0.00	
	114	0	0	2	0.00	
	115	2	38	220	4.52	
	116	37	285	10	66.67	
	117	4	21	8	6.97	
	118	6	100	160	12.42	
	119	2	16	115	3.80	
	120	4	33	40	7.32	
	121	6	100	106	12.33	
	122	1	36	43	2.58	
	123	0	10	15	0.27	
	124	0	13	34	0.38	
	125	0	34	15	0.87	
	126	0	6	24	0.19	

TAULA N°71.- (cont) CONTINGUTS EN SCHEELITA DE LES BATEES

numero de batea	numero de grans per fracció			mil.ligrams assimilats
	1 i 0.3	0.3 i 0.1	0.1	
127	0	2	27	0.09
128	0	22	36	0.61
129	0	3	11	0.10
130	0	2	2	0.05
131	0	0	2	0.00
132	0	4	6	0.11
133	6	140	142	13.39
134	0	33	56	0.92
135	6	371	390	19.58
136	48	75	160	79.32
137	0	18	51	0.53
138	2	12	30	3.57
139	2	1	1	3.25
140	0	16	70	0.51
141	0	4	3	0.10
142	0	0	0	0
143	2	18	4	3.68
144	0	3	20	0.11
145	0	4	3	0.10
146	2	12	14	3.54
147	6	72	30	11.51
148	0	0	1	0.00
149	0	0	0	0
150	0	0	0	0
151	0	0	0	0
152	0	2	7	0.06
153	0	2	2	0.05
154	0	0	0	0
155	0	6	10	0.17
156	5	72	76	9.97
157	0	51	225	1.64
158	0	0	0	0
159	1	9	2	1.84
160	0	17	36	0.49
161	0	0	0	0
162	0	0	0	0
163	0	6	4	0.16
164	0	0	0	0
165	0	5	9	0.14
166	0	19	44	0.55

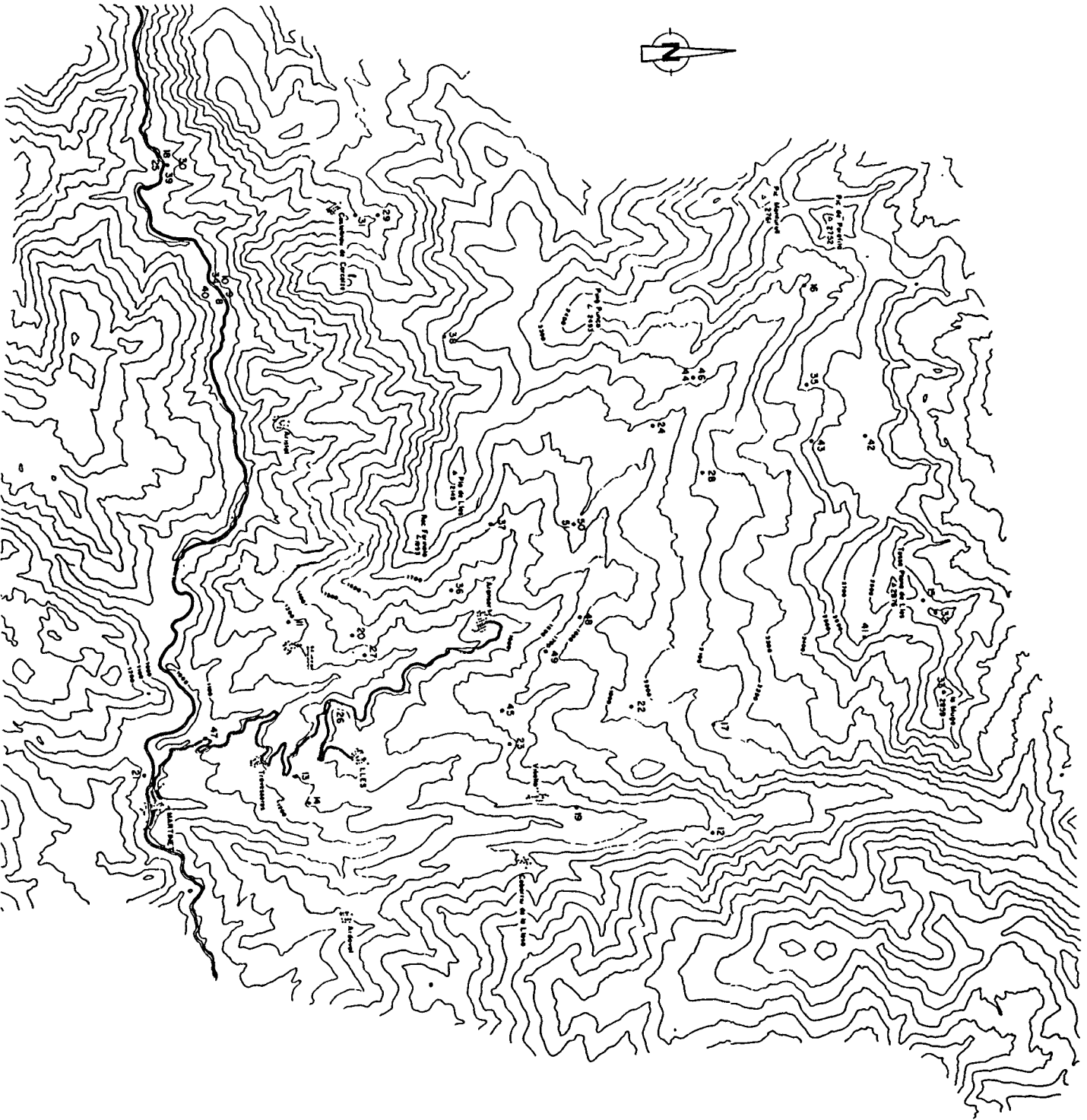
TAULA N°71.- (cont) CONTINGUTS EN SCHEELITA DE LES BATEES

numero de batea	numero de grans per fracció			mil.ligrams assimilats
	1 i 0.3	0.3 i 0.1	0.1	
167	0	81	215	2.38
168	20	255	270	38.99
169	130	394	120	219.11
170	1	51	110	3.07
171	15	215	300	29.99
172	1	72	370	3.50
173	28	288	36	52.30
174	18	430	135	39.94
175	0	5	3	0.13
176	0	0	14	0.02
177	0	2	3	0.05
178	0	0	0	0
179	0	0	0	0
180	0	0	6	0.01
181	0	42	380	1.66
182	0	2	8	0.06
183	1	16	3	2.01
184	0	25	510	1.45
185	50	1090	310	108.24
186	11	520	550	31.61
187	1	650	350	18.47
188	1	4	30	1.76
189	7	80	35	13.33
190	0	0	58	0.09
191	0	0	3	0.00
192	174	850	510	301.93
193	18	205	190	34.39
194	12	170	210	23.90
195	0	0	0	0
196	0	0	6	0.01
197	0	0	0	0
198	0	2	7	0.06
199	0	8	7	0.21
200	2	26	18	3.90
201	3	99	35	7.36
202	0	0	2	0.00
203	0	0	4	0.01
204	0	4	8	0.11
205	0	38	25	0.99
206	4	17	21	6.89
207	1	18	70	2.17
208	0	5	0	0.13
209	0	0	0	0

ANNEX 3.

ANALISIS DE LA ROCA TOTAL.

Mapa de situació
de les anàlisis de
les roques ígnies.



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Taula 5.1.- Composicions químiques de referència i paràmetres característics de les mostres corresponents a la terminació sudoccidental del batolit d'Andorra - Mont Lluis. Roques plutòniques: Leucogranit (1); Granits biotítics (2-3); Granodiorites biotítics i granodiorites biotítico-horblèndiques (4-29); Granodiorita biotític-horblèndica (30). Enclavaments microgranuts (31-39). Roques filonians bàsiques (40-47); Dics aplítics (48-50). Fe₂O₃* = ferro total; P.F. = perdua per calcinació a 1000 °C; A = Al-(K+Na+2Ca), B = Fe+Mg+Ti, Q = Si/3-(K+Na+2Ca/3), P = K-(Na+Ca), F = 555-(Q+B).

1	2	3	4	5	6	7	8	9	10
76.11	74.62	70.97	69.09	70.90	67.14	68.49	68.79	65.31	69.48
0.15	0.18	0.42	0.46	0.44	0.51	0.45	0.38	0.54	0.42
12.70	11.82	14.12	15.13	14.68	15.55	14.83	15.22	15.29	14.66
1.21	2.01	2.56	3.70	3.13	4.18	3.80	3.29	4.64	3.74
0.03	0.04	0.05	0.06	0.05	0.07	nd	0.06	nd	nd
0.19	0.40	0.79	0.90	0.75	1.11	1.29	0.83	1.62	1.15
0.98	1.67	0.88	2.64	2.32	3.20	2.79	3.05	2.49	2.68
2.83	3.28	2.83	3.04	3.11	3.10	3.02	3.21	3.09	2.99
5.22	3.91	5.06	3.95	4.56	4.01	3.85	3.93	4.19	3.83
0.42	0.65	1.47	1.12	0.51	0.56	0.86	0.82	1.92	0.93
nd	0.05	0.17	nd	nd	nd	nd	nd	nd	nd
99.84	98.63	99.32	100.09	100.45	99.43	99.38	99.58	99.09	99.88
2809	2835	2463	2493	2461	2315	2482	2430	2142	2565
363	430	410	624	573	703	653	666	647	631
12	-16	47	21	8	6	12	2	22	14
22	37	57	74	63	86	85	67	105	81
208	205	184	170	169	149	168	158	144	176
2	-53	0	-61	-45	-72	-65	-75	-55	-63
325	313	314	311	323	320	302	330	306	298
0.24	0.28	0.38	0.32	0.32	0.34	0.40	0.33	0.41	0.38
37.48	36.94	33.15	30.63	30.45	26.85	30.27	28.47	25.95	31.71
3.96	6.67	10.27	13.33	11.35	15.49	15.31	12.07	18.92	14.59
58.56	56.39	56.58	56.04	58.20	57.66	54.42	59.46	55.13	53.69

Taula 5.1 (continuació).-

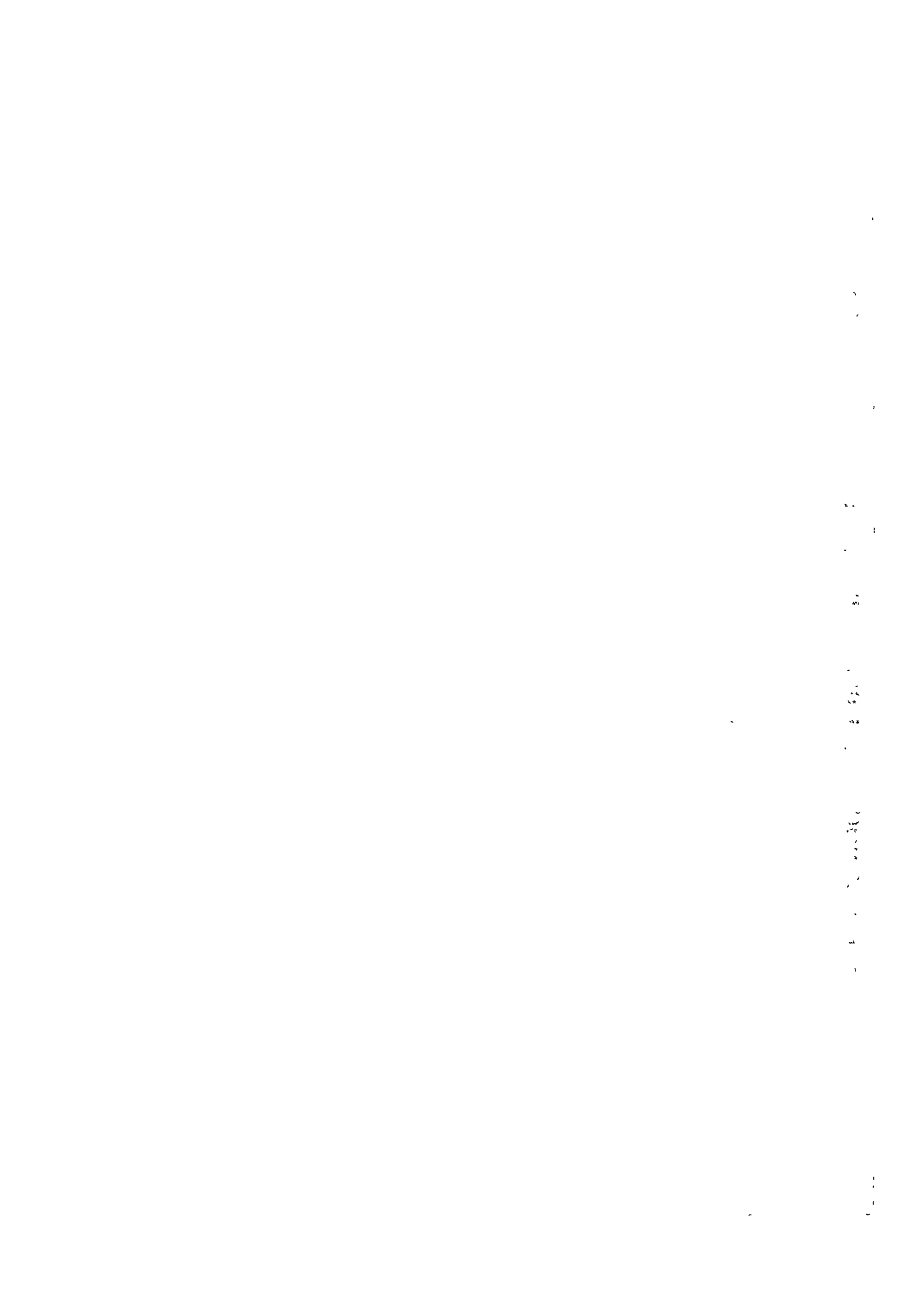
	11	12	13	14	15	16	17	18	19	20
SiO2	70.18	68.48	67.73	64.75	70.67	69.45	67.30	67.21	69.12	67.68
TiO2	0.45	0.55	0.42	0.57	0.31	0.41	0.45	0.49	0.38	0.46
Al2O3	15.09	15.29	15.25	15.43	14.67	14.31	15.11	15.89	14.58	15.28
Fe2O3*	3.60	4.63	3.63	4.89	2.88	3.27	3.95	4.23	3.39	3.84
MnO	nd	nd	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07
MgO	1.22	1.27	1.10	1.69	0.77	1.11	1.23	1.26	0.95	1.25
CaO	2.87	3.18	2.92	3.79	2.18	2.81	2.96	3.06	2.39	3.17
Na2O	3.01	3.16	3.40	3.05	3.34	3.31	2.99	3.03	3.03	2.90
K2O	3.99	3.93	3.71	3.62	4.23	3.99	3.85	3.54	3.99	3.90
P.F.	0.51	0.62	0.88	1.13	0.62	0.55	1.16	1.13	0.99	1.31
P2O5	nd	nd	0.12	0.15	0.12	0.11	0.14	0.14	0.13	0.11
TOTAL	100.92	101.11	99.24	99.15	99.86	99.39	99.21	100.05	99.03	99.97
R1	2570	2389	2334	2245	2451	2424	2409	2454	2499	2457
R2	664	703	666	792	559	636	674	702	589	701
A	12	1	7	-8	12	-11	13	30	18	10
B	81	96	78	110	59	74	86	90	71	85
Q	173	157	153	139	169	160	160	164	173	161
P	-64	-75	-83	-89	-57	-72	-68	-77	-56	-67
F	301	302	324	306	327	321	309	301	311	309
Mg/Mg+Fe	0.40	0.35	0.37	0.41	0.35	0.40	0.38	0.37	0.36	0.39
Q%	31.17	28.29	27.57	25.04	30.45	28.83	28.83	29.55	31.17	29.01
B%	14.59	17.30	14.05	19.82	10.63	13.33	15.49	16.22	12.79	15.31
F%	54.23	54.41	58.38	55.13	58.92	57.84	55.68	54.23	56.04	55.68

	21	22	23	24	25	26	27	28	29	30
SiO2	68.78	66.41	66.81	66.55	70.40	68.00	66.55	69.09	66.68	66.87
TiO2	0.40	0.55	0.48	0.53	0.35	0.46	0.48	0.41	0.44	0.55
Al2O3	14.56	15.35	15.16	14.95	14.26	15.04	15.58	15.29	14.94	15.31
Fe2O3*	3.60	4.42	4.10	4.47	3.00	4.04	4.27	3.64	4.09	4.48
MnO	0.08	0.10	0.08	0.04	0.07	0.07	0.06	0.06	0.06	nd
MgO	1.03	1.62	1.40	1.59	0.81	1.09	1.25	1.05	1.15	1.53
CaO	2.80	3.32	3.09	2.88	2.38	2.99	3.10	2.70	2.80	3.17
Na2O	2.94	2.95	3.06	2.76	3.17	3.08	3.08	3.22	3.17	2.97
K2O	3.67	3.65	3.80	4.12	3.75	3.66	3.99	3.74	4.13	3.88
P.F.	1.26	1.59	1.15	2.18	0.75	0.69	1.15	0.59	0.75	0.82
P2O5	0.11	0.13	0.12	0.13	0.12	0.16	0.15	0.15	0.15	nd
TOTAL	99.23	100.09	99.25	100.20	99.06	99.28	99.66	99.94	98.36	99.58
R1	2578	2397	2359	2363	2601	2466	2286	2481	2236	2365
R2	636	737	697	680	575	669	699	641	650	715
A	13	10	8	14	13	11	11	20	3	9
B	76	102	92	102	62	83	90	77	85	101
Q	175	156	154	158	180	165	148	168	147	155
P	-67	-77	-73	-53	-65	-75	-70	-73	-65	-70
F	304	297	309	295	313	307	317	310	323	299
Mg/Mg+Fe	0.36	0.42	0.40	0.41	0.35	0.35	0.37	0.37	0.36	0.40
Q%	31.53	28.11	27.76	28.47	32.43	29.73	26.67	30.27	26.49	27.93
B%	13.69	18.38	16.56	18.38	11.17	14.95	16.22	13.87	15.31	18.20
F%	54.78	53.51	55.68	53.15	56.40	55.32	57.11	55.86	58.20	53.87

Taula 5.1 (continuació).-

	31	32	33	34	35	36	37	38	39	40
SiO2	58.80	61.21	59.63	64.28	62.25	60.24	64.96	60.59	68.57	54.23
TiO2	0.99	0.82	0.99	0.91	0.82	1.05	0.66	0.80	0.42	0.88
Al2O3	16.16	15.61	15.64	15.82	16.55	16.14	15.48	16.36	14.84	15.88
Fe2O3*	7.29	6.03	6.98	6.73	4.77	7.51	5.74	6.47	3.81	7.14
MnO	nd	nd	0.07	0.13	0.08	0.09	0.11	0.10	0.08	0.11
MgO	2.80	1.77	1.86	1.97	1.95	2.49	1.48	1.99	1.07	6.62
CaO	3.94	3.53	4.51	4.00	2.45	4.77	3.79	3.90	2.97	6.76
Na2O	3.30	3.48	3.59	3.33	5.06	2.79	3.00	3.18	3.04	3.44
K2O	3.84	3.83	2.99	2.24	2.26	3.06	3.28	3.52	3.66	2.06
P.F.	1.95	2.03	2.63	0.97	3.13	2.31	1.73	2.19	1.13	2.99
P2O5	nd	nd	0.17	0.13	0.18	0.18	0.18	0.22	0.11	0.20
TOTAL	99.07	98.31	99.06	100.51	99.50	100.63	100.41	99.32	99.70	100.31
R1	1639	1773	1797	2382	1680	2091	2333	1900	2525	1707
R2	877	772	882	836	684	951	783	837	662	1363
A	-11	-13	-33	13	26	-8	2	4	9	-84
B	173	130	146	145	118	169	117	140	80	265
Q	91	104	98	154	105	122	149	112	169	66
P	-95	-94	-133	-131	-159	-110	-95	-97	-73	-188
F	291	321	311	256	332	264	289	303	306	224
Mg/Mg+Fe	0.43	0.37	0.34	0.37	0.45	0.40	0.34	0.38	0.36	0.65
Q%	16.40	18.74	17.66	27.75	18.92	21.98	26.85	20.18	30.45	11.89
B%	31.17	23.42	26.31	26.13	21.26	30.45	21.08	25.23	14.41	47.74
F%	52.43	57.84	56.03	46.12	59.82	47.57	52.07	54.59	55.14	40.36

	41	42	43	44	45	46	47	48	49	50
SiO2	53.24	55.16	54.10	55.77	59.24	58.42	53.10	76.50	75.72	76.44
TiO2	0.99	0.84	1.00	1.11	0.80	1.01	1.02	0.03	0.07	0.04
Al2O3	17.00	16.03	16.50	16.42	16.53	16.66	15.65	13.45	13.54	12.46
Fe2O3*	7.37	6.99	7.45	7.34	6.53	6.27	7.54	0.41	0.78	0.47
MnO	nd	0.17	0.14	0.14	0.12	0.12	0.15	0.02	0.03	0.02
MgO	6.35	6.39	6.65	5.30	3.26	4.44	7.10	0.24	0.26	0.42
CaO	6.21	5.43	5.78	4.97	3.25	5.42	6.16	0.46	0.53	0.58
Na2O	3.49	2.61	3.52	3.65	3.54	3.09	3.28	3.78	4.01	3.25
K2O	2.27	3.11	2.45	2.40	3.50	2.44	2.02	4.58	4.98	5.85
P.F.	2.52	2.10	3.00	3.15	3.21	1.86	2.94	0.43	0.62	0.17
P2O5	nd	0.20	0.18	0.24	0.16	0.24	0.21	0.05	0.05	0.04
TOTAL	99.44	99.03	100.77	100.49	100.14	99.97	99.17	99.95	100.59	99.74
R1	1566	1823	1568	1645	1686	2040	1684	2670	2433	2556
R2	1313	1212	1272	1117	834	1127	1318	325	335	327
A	-49	-29	-48	-24	20	-18	-61	28	11	-5
B	262	257	271	237	173	201	283	11	17	18
Q	61	91	66	82	101	108	73	200	179	188
P	-175	-115	-165	-155	-98	-145	-173	-33	-33	9
F	232	207	218	236	281	246	199	344	359	349
Mg/Mg+Fe	0.63	0.64	0.64	0.59	0.50	0.58	0.65	0.54	0.40	0.64
Q%	10.99	16.40	11.89	14.77	18.20	19.46	13.15	36.04	32.26	33.87
B%	47.21	46.30	48.83	42.70	31.17	36.22	50.99	1.98	3.06	3.25
F%	41.80	37.30	39.28	42.53	50.63	44.32	35.86	61.98	64.68	62.88



ANALISIS DE ROCA TOTAL DEL SKARN DE Sta. LLOGAIA. (SK-414).

MOSTRA:	414	414Fr	414	415a	417a	417b	417c	417d	418	420Fr	420	422
SiO ₂ (%)	68.51	69.49	68.51	73.19	45.87	45.12	35.04	38.54	44.04	45.47	-	64.36
Al ₂ O ₃ (%)	15.83	16.85	15.83	14.11	6.71	4.43	6.13	7.35	19.82	6.33	-	17.16
Fe ₂ O ₃ (%)	2.21	2.25	2.21	1.15	17.74	17.04	20.12	17.77	4.53	16.89	-	1.92
MnO (%)	0.04	0.04	0.04	0.03	0.83	1.02	0.82	0.77	0.162	0.82	-	0.06
MgO (%)	0.66	0.67	0.66	0.40	1.74	1.85	0.80	2.73	0.83	1.71	-	0.44
CaO (%)	3.02	3.22	3.02	2.94	18.58	18.27	31.92	27.88	22.46	18.71	-	4.49
Na ₂ O (%)	3.90	3.88	3.90	3.69	1.39	1.11	1.63	0.12	1.53	1.52	-	3.62
K ₂ O (%)	3.18	3.45	3.18	2.96	0.27	0.16	0.04	0	0.82	0.18	-	4.73
TiO ₂ (%)	0.28	0.28	0.28	0.16	0.38	0.24	0.23	0.17	0.79	0.24	-	0.33
P ₂ O ₅ (%)	0.11	0.10	0.11	0.06	0.20	0.11	0.04	0.07	0.16	0.12	-	0.13
P.F. (%)	1.55	1.26	1.55	1.00	7.30	8.32	3.86	5.05	5.00	6.98	-	1.49
Total (%)	99.29	100.49	99.29	99.69	101.01	97.67	100.63	100.90	100.14	98.97	-	98.73
Ni (p.p.m.)	2	1	2	1	18	40	11	25	44	81	68	7
Cu (p.p.m.)	77	73	77	0	0	43	151	165	3171	7478	6741	76
Zn (p.p.m.)	23	25	23	63	47	385	385	190	60	219	285	21
Ga (p.p.m.)	20	18	20	18	20	11	13	15	37	8	5	22
Rb (p.p.m.)	128	144	128	113	172	8	5	3	17	9	14	179
Sr (p.p.m.)	275	286	275	207	116	64	20	29	57	75	73	280
Y (p.p.m.)	24	24	24	19	30	21	27	32	28	25	25	33
Zr (p.p.m.)	115	123	115	142	121	50	56	38	146	57	53	125
Nb (p.p.m.)	6	9	6	5	12	9	11	8	19	8	9	9
Hf (p.p.m.)	-	4	-	-	-	-	-	-	10	17	-	-
Pb (p.p.m.)	8	8	8	7	27	61	100	108	15	20	66	11
U (p.p.m.)	-	2	-	-	-	-	-	-	4	0	-	-
Ba (p.p.m.)	773	-	773	629	513	88	72	83	-	-	104	830
Th (p.p.m.)	12	-	12	19	10	9	13	13	-	-	102	15
W (p.p.m.)	4	-	4	0	850	393	121	14	-	-	4	33
Mo (p.p.m.)	0	-	0	-	-	-	-	1	-	-	-	-

ANALISIS DE ROCA TOTAL DEL SKARN DE Sta. LLOGAIA. (SK-414).

MOSTRA:	422Fr	423	428a	428b	429a	429c	429f	429g	429h	429i	429j
SiO ₂ (%)	65.32	46.52	37.67	41.03	41.46	38.35	38.89	42.13	39.21	40.65	42.05
Al ₂ O ₃ (%)	17.96	4.62	17.12	19.63	7.98	11.97	14.39	18.80	13.78	14.24	8.05
Fe ₂ O ₃ (%)	2.01	12.23	4.47	1.75	11.42	9.22	6.30	4.38	7.60	9.16	12.66
MnO (%)	0.06	0.90	0.18	0.05	0.61	0.56	0.32	0.21	0.46	0.64	0.9
MgO (%)	0.46	2.27	1.08	0.55	1.90	2.10	1.73	1.69	2.21	1.56	2.74
CaO (%)	4.87	28.71	31.28	28.06	31.07	31.21	31.63	24.94	30.67	30.16	28.27
Na ₂ O (%)	4.26	0	0.05	0	0.03	0	0	0	0	0	0
K ₂ O (%)	5.55	0.01	0.94	0.86	0.1	0	0	0.59	0.07	0.13	0
TiO ₂ (%)	0.32	0.21	1.10	1.21	0.44	0.82	0.96	1.16	0.38	0.63	0.66
P ₂ O ₅ (%)	0.13	0.19	0.07	0.09	0.90	0.06	0.08	0.11	0.09	0.09	0.10
P.F. (%)	0.32	5.72	5.71	6.82	4.87	4.68	6.40	4.57	3.37	1.56	3.15
Total (%)	101.26	101.38	99.67	100.05	100.78	98.97	100.70	98.58	97.84	98.82	98.58
Ni (p.p.m.)	4	37	32	50	27	-	46	47	-	28	45
Cu (p.p.m.)	74	12	255	253	11	-	<6	11	-	0	18
Zn (p.p.m.)	15	174	166	41	157	-	61	39	-	54	111
Ga (p.p.m.)	21	8	21	25	13	-	17	23	-	20	13
Rb (p.p.m.)	186	4	44	24	3	-	3	21	-	0	2
Sr (p.p.m.)	298	27	323	59	40	-	54	153	-	0	32
Y (p.p.m.)	33	36	40	26	32	-	24	28	-	23	25
Zr (p.p.m.)	133	49	233	214	104	-	169	196	-	116	123
Nb (p.p.m.)	11	7	25	23	8	-	22	23	-	13	17
Hf (p.p.m.)	4	4	-	-	-	-	-	-	-	-	-
Pb (p.p.m.)	11	7	22	8	29	-	21	8	-	14	26
U (p.p.m.)	3	5	-	-	-	-	-	-	-	-	-
Ba (p.p.m.)	-	-	496	152	65	-	-	-	-	-	-
Th (p.p.m.)	-	-	22	23	13	-	75	216	-	90	104
W (p.p.m.)	-	-	12	6	242	-	23	25	-	16	25
Mo (p.p.m.)	-	-	-	1	5	-	138	118	-	810	803
							3	3		7	12

ANÁLISIS DE ROCA TOTAL DEL SKARN DE Sta. LLOGAIA. (SK-414).

MOYSTRAS:	429k	430	431	431c	432c	432c1	432b	432d	433a	433b	434a1
SiO ₂ (%)	30.75	43.47	42.07	46.75	43.65	43.39	44.21	43.31	39.65	40.15	-
Al ₂ O ₃ (%)	5.77	20.70	21.18	22.60	2.67	7.68	7.37	4.72	12.05	6.37	-
Fe ₂ O ₃ (%)	9.55	5.19	2.45	2.23	20.54	5.45	15.55	15.60	4.69	13.15	-
MnO (%)	0.38	0.24	0.02	0.04	1.30	0.42	1.52	1.43	0.34	0.82	-
MgO (%)	3.64	2.22	0.73	1.43	1.15	2.84	2.62	1.80	2.30	1.73	-
CaO (%)	37.49	19.04	23.04	12.64	30.00	36.99	27.37	29.24	35.90	33.43	-
Na ₂ O (%)	0.01	0.10	0.11	0.15	0.01	0	0.53	1.04	0.19	0.26	-
K ₂ O (%)	0.01	2.50	1.38	5.89	0	00.50	0.01	0.09	0.06	0.06	-
TiO ₂ (%)	0.21	1.16	1.21	1.31	0.12	0.40	0.52	0.17	0.70	0.28	-
P ₂ O ₅ (%)	0.09	0.09	0.14	0.13	0.05	0.07	0.17	0.14	0.04	0.05	-
P.F. (%)	11.5	3.30	5.46	3.88	1.78	2.39	1.10	3.41	5.00	5.61	-
Total (%)	99.4	98.01	97.70	97.05	101.27	100.13	100.97	100.95	100.92	101.91	-
Ni (p.p.m.)	-	27	62	45	4	27	61	16	26	-	8
Cu (p.p.m.)	-	6	160	137	306	141	47	469	113	-	22
Zn (p.p.m.)	-	103	36	98	162	120	204	145	93	-	35
Ga (p.p.m.)	-	23	28	24	9	12	16	14	14	-	6
Rb (p.p.m.)	-	102	58	252	6	3	5	3	3	-	4
Sr (p.p.m.)	-	402	117	304	21	27	36	0	118	-	390
Y (p.p.m.)	-	17	26	23	18	21	14	31	24	-	20
Zr (p.p.m.)	-	204	212	252	31	83	106	44	166	-	60
Nb (p.p.m.)	-	30	26	28	12	12	14	5	18	-	5
Hf (p.p.m.)	-	-	-	-	-	-	5	-	-	-	-
Pb (p.p.m.)	-	13	11	26	225	96	5	102	22	-	10
U (p.p.m.)	-	-	-	-	-	-	2	-	-	-	-
Ba (p.p.m.)	-	822	352	2793	63	68	-	70	63	-	115
Th (p.p.m.)	-	32	16	24	47	11	-	17	15	-	7
W (p.p.m.)	-	48	6	7	62	4	4	86	4	-	0
Mo (p.p.m.)	-	-	-	1	-	1	-	1	-	-	-

ANALISIS DE ROCA TOTAL DEL SKARN DE Sta. LLOGAIA. (SK-414).

MOSTRA:	434a2	434b Fr	434c	434c Fr	434f	435	435 Fr	437	438	439 Fr	441 Fr
SiO ₂ (%)	42.03	44.51	-	46.11	45.58	42.11	44.03	38.16	34.36	38.65	40.01
Al ₂ O ₃ (%)	5.13	4.96	-	11.83	11.66	7.31	7.51	15.58	12.18	14.91	5.44
Fe ₂ O ₃ (%)	8.79	5.82	-	10.28	10.13	15.00	15.16	5.13	5.89	8.73	14.68
MnO (%)	0.48	0.43	-	0.53	0.53	0.82	0.87	0.28	0.21	0.66	0.65
MgO (%)	2.05	1.63	-	3.16	3.11	1.80	1.87	2.15	2.85	1.54	1.63
CaO (%)	37.00	39.52	-	24.64	24.42	29.46	29.13	32.09	38.70	34.36	31.24
Na ₂ O (%)	0.01	0.32	-	0.34	0.33	0.02	1.15	0.30	0.01	0.07	0
K ₂ O (%)	0.12	0.01	-	1.99	1.18	0.11	0.01	0.38	0	0	0
TiO ₂ (%)	0.33	0.21	-	0.72	0.71	0.43	0.41	0.83	0.83	0.22	0.23
P ₂ O ₅ (%)	0.07	0.06	-	0.13	0.11	0.09	0.09	0.13	0.07	0.16	0.10
P.F. (%)	3.31	2.94	-	1.42	1.58	2.62	0.92	3.35	5.08	1.76	5.88
Total (%)	99.32	100.41	-	101.15	99.34	99.77	101.15	98.38	100.00	99.07	99.86
Ni (p.p.m.)	13	15	30	31	31	14	19	48	20	39	22
Cu (p.p.m.)	24	93	90	100	96	10	15	109	345	1	28
Zn (p.p.m.)	152	131	323	222	222	176	153	228	451	54	111
Ga (p.p.m.)	11	6	15	16	15	13	12	19	15	25	12
Rb (p.p.m.)	5	5	75	75	76	3	7	18	2	4	4
Sr (p.p.m.)	77	40	122	126	125	38	38	56	138	18	30
Y (p.p.m.)	22	19	18	16	16	27	25	47	27	30	28
Zr (p.p.m.)	98	62	182	181	182	107	105	179	163	45	53
Nb (p.p.m.)	7	5	17	16	15	9	10	20	17	15	7
Hf (p.p.m.)	-	4	-	5	5	-	3	-	-	4	4
Pb (p.p.m.)	49	80	19	12	13	19	16	9	26	2	8
U (p.p.m.)	-	-	-	0	0	-	5	-	-	3	2
Ba (p.p.m.)	71	-	1	-	-	89	-	234	62	74	-
Th (p.p.m.)	44	-	37	-	-	13	-	18	20	6	-
W (p.p.m.)	419	-	135	-	-	877	-	7	3	8	-
Mo (p.p.m.)	23	-	-	-	-	18	-	-	2	-	-

ANALISIS DE ROCA TOTAL DEL SKARN DE Sta. LLOGAIA. (SK-414).

MOSTRA:	442 Fr	443a Fr	443b	445 Fr	446 Fr	446f Fr	447	448	450b	451 Fr	452b
SiO ₂ (%)	6.92	47.13	-	36.60	9.60	9.20	37.03	40.73	-	33.47	-
Al ₂ O ₃ (%)	2.27	23.71	-	16.68	2.54	2.41	14.11	17.28	-	14.06	-
Fe ₂ O ₃ (%)	1.06	1.81	-	3.55	2.01	1.86	6.78	2.67	-	5.85	-
MnO (%)	0.11	0.04	-	0.28	0.11	0.11	0.23	0.19	-	0.21	-
MgO (%)	0.85	0.75	-	2.37	1.31	1.24	1.76	0.93	-	1.89	-
CaO (%)	51.43	15.77	-	35.97	49.65	48.65	37.82	27.86	-	35.57	-
Na ₂ O (%)	0	0.52	-	0.03	0	2.78	0.39	0.11	-	1.37	-
K ₂ O (%)	0	5.26	-	0.05	0	0.91	0	2.06	-	0.02	-
TiO ₂ (%)	0.137	1.22	-	1.17	0.12	0.11	0.71	1.32	-	0.68	-
P ₂ O ₅ (%)	0.07	0.11	-	0.26	0.09	0.10	0.09	0.15	-	0.21	-
P.F. (%)	35.6	3.56	-	2.38	33.22	33.58	2.40	3.54	-	4.22	-
Total (%)	98.44	99.88	-	99.34	98.65	100.95	101.32	96.84	-	97.55	-
Ni (p.p.m.)	6	-	12	-	19	17	-	41	15	44	17
Cu (p.p.m.)	3	-	27	-	64	65	-	108	191	24	118
Zn (p.p.m.)	29	-	115	-	134	126	-	721	363	690	114
Ga (p.p.m.)	1	-	<6	-	2	2	-	16	8	18	8
Rb (p.p.m.)	3	-	4	-	3	3	-	63	2	3	4
Sr (p.p.m.)	448	-	354	-	537	533	-	138	483	91	372
Y (p.p.m.)	13	-	26	-	22	22	-	26	29	35	36
Zr (p.p.m.)	44	-	48	-	37	38	-	224	46	151	46
Nb (p.p.m.)	6	-	5	-	6	6	-	31	7	20	6
Hf (p.p.m.)	3	-	-	-	4	3	-	-	-	6	-
Pb (p.p.m.)	7	-	18	-	5	5	-	9	19	20	<6
U (p.p.m.)	0	-	26	-	7	4	-	-	-	6	-
Ba (p.p.m.)	-	-	110	-	-	-	-	494	94	-	105
Th (p.p.m.)	-	-	2	-	-	-	-	30	5	-	5
W (p.p.m.)	-	-	3	-	-	-	-	6	4	-	53
Mo (p.p.m.)	-	-	-	-	-	-	-	0	-	-	-

ANALISIS DE ROCA TOTAL DEL SKARN DE Sta. LLOGAIA. (SK-414).

MOSTRA:	453a Fr	455	455 Fr	456	456 Fr	457 Fr	459	464a2	464b	464a1 Fr	465
SiO ₂ (%)	6.98	-	12.66	-	36.99	35.27	46.03	29.78	35.93	13.52	48.83
Al ₂ O ₃ (%)	1.82	-	4.53	-	15.16	14.14	19.73	12.70	15.01	5.46	18.76
Fe ₂ O ₃ (%)	1.25	-	2.31	-	7.25	6.06	6.01	6.04	6.49	2.21	4.66
MnO (%)	0.13	-	0.08	-	0.16	0.12	0.06	0.11	0.14	0.07	0.04
MgO (%)	1.15	-	1.32	-	1.56	2.02	1.36	2.43	1.83	1.34	1.83
CaO (%)	52.19	-	49.02	-	36.73	37.14	13.34	38.38	36.09	47.81	11.50
Na ₂ O (%)	0.13	-	0.11	-	0	0.21	0.74	0.16	0.03	0.13	0.38
K ₂ O (%)	0.03	-	0	-	0	0	5.75	0.21	0.04	0.15	6.30
TiO ₂ (%)	0.10	-	0.19	-	0.51	0.69	0.88	0.44	0.33	0.25	0.88
P ₂ O ₅ (%)	0.09	-	0.30	-	0.18	0.08	2.24	0.11	0.53	0.10	0.50
P.F. (%)	35.0	-	28.5	-	2.34	4.58	3.50	9.49	4.35	27.0	3.60
Total (%)	98.87	-	99.02	-	100.88	100.31	99.64	99.85	100.77	98.04	97.28
Ni (p.p.m.)	5	53	56	34	34	429	89	114	105	34	222
Cu (p.p.m.)	28	48	46	5	10	29	474	196	383	40	439
Zn (p.p.m.)	34	283	291	353	303	304	1166	1183	1416	275	413
Ga (p.p.m.)	2	<7	5	20	24	21	21	19	23	9	21
Rb (p.p.m.)	2	2	2	5	4	4	246	5	2	3	247
Sr (p.p.m.)	460	820	864	80	81	219	280	233	116	672	377
Y (p.p.m.)	17	27	25	30	30	19	85	35	61	28	51
Zr (p.p.m.)	36	37	56	104	103	145	185	82	63	58	159
Nb (p.p.m.)	5	6	7	12	14	13	19	8	7	8	23
Hf (p.p.m.)	4	-	4	-	5	6	-	-	-	4	-
Pb (p.p.m.)	9	26	26	206	188	229	1242	314	327	105	18
U (p.p.m.)	1	-	5	-	12	5	-	-	-	4	-
Ba (p.p.m.)	-	131	-	57	-	-	2108	103	86	-	2685
Th (p.p.m.)	-	3	-	13	-	-	15	4	9	-	15
W (p.p.m.)	-	4	-	5	-	-	6	7	11	-	0
Mo (p.p.m.)	-	-	-	-	-	-	7	0	1	-	3.6

ANALISIS DE ROCA TOTAL DEL SKARN DE Sta. LLOGAIA. (SK-414).

MOSTRA:	466	466 Fr	467a	468a	468b1 Fr	468b2 Fr	469 Fr	470a Fr	470b	470c Fr	471b1
SiO ₂ (%)	50.10	47.43	36.65	34.64	14.55	36.34	33.26	5.02	-	44.93	49.78
Al ₂ O ₃ (%)	21.08	20.71	15.53	15.12	6.13	16.33	15.14	1.90	-	19.53	21.43
Fe ₂ O ₃ (%)	4.30	4.33	5.26	5.52	2.41	5.71	3.80	1.51	-	5.79	4.80
MnO (%)	0.03	0.04	0.27	0.15	0.07	0.27	0.09	0.05	-	0.03	0.27
MgO (%)	1.56	1.54	1.25	1.36	1.15	1.45	1.30	0.55	-	1.34	2.17
CaO (%)	9.90	10.55	36.90	38.04	47.36	36.60	36.97	52.55	-	10.23	10.33
Na ₂ O (%)	0.31	0.78	1.45	0.04	0.04	0.05	0.03	0.05	-	1.13	2.86
K ₂ O (%)	7.68	7.69	0	0.14	0.04	0	0.01	0	-	6.09	3.48
TiO ₂ (%)	0.92	0.92	0.88	0.75	0.27	0.76	0.69	0.09	-	0.88	1.35
P ₂ O ₅ (%)	0.61	0.64	0.20	0.16	0.11	0.38	0.34	0.05	-	0.39	0.19
P.F. (%)	3.36	3.86	2.24	3.47	25.84	3.12	7.74	36.88	-	11.16	2.80
Total (%)	99.85	98.53	100.63	99.39	97.97	101.01	99.37	98.65	-	101.5	99.46
Ni (p.p.m.)	-	368	-	35	26	57	-	26	73	217	54
Cu (p.p.m.)	-	248	-	19	23	81	-	29	140	328	431
Zn (p.p.m.)	-	1030	-	125	113	271	-	58	174	397	62
Ga (p.p.m.)	-	20	-	16	8	20	-	3	16	28	22
Rb (p.p.m.)	-	284	-	5	2	5	-	3	2	305	166
Sr (p.p.m.)	-	371	-	84	733	110	-	441	276	324	599
Y (p.p.m.)	-	62	-	37	31	44	-	14	25	70	33
Zr (p.p.m.)	-	163	-	149	61	139	-	30	61	172	248
Nb (p.p.m.)	-	24	-	13	9	13	-	4	5	22	28
Hf (p.p.m.)	-	6	-	-	4	5	-	5	-	6	-
Pb (p.p.m.)	-	18	-	53	19	80	-	6	10	17	23
U (p.p.m.)	-	22	-	-	9	22	-	5	-	19	-
Ba (p.p.m.)	-	-	-	47	-	-	-	-	70	-	1155
Th (p.p.m.)	-	-	-	20	-	-	-	-	4	-	25
W (p.p.m.)	-	-	-	4	-	7	-	-	2	-	4
Mo (p.p.m.)	-	-	-	-	-	-	-	-	10	-	1

ANÁLISIS DE ROCA TOTAL DEL SKARN DE Sta. LLOGAIA. (SK-414).

MOSTRA:	471 b2 Fr	471 b2	172	172 Fr	415b	454a	471b3	439	424	452aFr	429b
SiO ₂ (%)	43.07	41.69	42.27	43.47	69.41	36.71	35.68	37.39	-	46.08	43.37
Al ₂ O ₃ (%)	4.16	4.28	20.30	20.71	15.85	15.30	7.15	14.57	-	24.33	23.15
Fe ₂ O ₃ (%)	20.11	20.00	4.88	4.94	2.68	5.22	15.59	8.57	-	1.70	2.27
MnO (%)	0.96	0.98	0.17	0.17	0.05	0.19	0.68	0.59	-	0.05	0.07
MgO (%)	2.12	1.77	1.95	2.05	0.71	2.29	1.88	1.44	-	0.92	0.95
CaO (%)	21.74	22.69	17.30	18.24	4.03	37.33	29.76	34.98	-	14.49	20.44
Na ₂ O (%)	0.2	0.25	0.21	0.35	3.79	0.25	1.43	0.03	-	0.04	0.06
K ₂ O (%)	0.13	0.2	4.47	4.82	1.94	-	0.08	0.11	-	5.56	2.90
TiO ₂ (%)	0.21	0.24	1.11	1.12	0.34	1.02	0.23	0.20	-	1.35	1.32
P ₂ O ₅ (%)	0.11	0.14	0.15	0.18	0.08	0.09	0.08	0.12	-	0.28	0.22
P.F. (%)	7.66	7.6	5.30	5.16	1.78	2.00	9.16	1.87	-	4.12	4.48
Total (%)	100.47	99.84	98.11	101.21	100.66	100.15	101.72	101.07	-	98.92	99.44
Ni (p.p.m.)	26	19	-	56	-	36	21	38	4	39	39
Cu (p.p.m.)	2417	2239	-	251	-	75	42	2	25	66	77
Zn (p.p.m.)	158	164	-	114	-	260	68	133	62	71	20
Ga (p.p.m.)	10	7	-	26	-	16	12	22	6	23	28
Rb (p.p.m.)	5	3	-	239	-	4	3	4	4	254	130
Sr (p.p.m.)	324	29	-	259	-	134	99	20	397	327	233
Y (p.p.m.)	70	34	-	23	-	45	52	33	17	36	30
Zr (p.p.m.)	172	48	-	210	-	165	57	49	35	266	247
Nb (p.p.m.)	22	8	-	24	-	14	9	13	5	30	28
Hf (p.p.m.)	6	-	-	7	-	-	-	-	-	7	7
Pb (p.p.m.)	17	87	-	38	-	13	73	12	-	27	20
U (p.p.m.)	0	-	-	2	-	-	-	-	-	8	4
Ba (p.p.m.)	-	83	-	-	-	53	93	74	110	-	-
Th (p.p.m.)	-	9	-	-	-	17	7	6	5	-	-
W (p.p.m.)	-	1	-	-	-	4	34	82	4	-	-
Mo (p.p.m.)	-	0	-	-	-	-	1	-	-	-	-

ANALISIS DE ROCA TOTAL DEL SKARN DE Sta. LLOGAIA. (SK-414).

MOSTRA:	404F1	404F2	452b Fr	460	461	462
S ₂ O ₂ (%)	47.24	42.54	16.44	37.35	48.11	48.38
Al ₂ O ₃ (%)	4.38	15.86	5.00	15.36	18.76	20.79
Fe ₂ O ₃ (%)	11.09	6.31	3.63	7.93	7.99	4.70
MnO (%)	0.75	0.37	0.14	0.14	0.08	0.04
MgO (%)	1.52	2.01	1.86	1.25	4.43	1.94
CaO (%)	31.43	27.45	45.23	31.39	1.51	5.55
Na ₂ O (%)	1.04	1.39	1.06	0	0.85	0.75
K ₂ O (%)	0.92	0.62	0.09	0.28	7.49	8.35
TiO ₂ (%)	0.17	1.09	0.20	0.45	1.05	0.95
P ₂ O ₅ (%)	0.13	0.21	0.12	0.26	0.17	0.51
P.F. (%)	2.12	3.10	26.20	3.39	7.20	5.19
Total (%)	101.07	101.10	99.97	97.80	97.64	97.15
Ni (p.p.m.)	15	31	19	77	191	99
Cu (p.p.m.)	32	0	120	317	167	243
Zn (p.p.m.)	221	68	105	1616	12454	1648
Ga (p.p.m.)	8	20	7	26	28	24
Rb (p.p.m.)	12	20	4	12	261	358
Sr (p.p.m.)	26	152	388	67	240	273
Y (p.p.m.)	25	13	35	43	26	50
Zr (p.p.m.)	51	210	51	88	193	179
Nb (p.p.m.)	4	23	7	9	23	20
Hf (p.p.m.)	4	6	3	-	-	-
Pb (p.p.m.)	43	12	8	480	1277	785
U (p.p.m.)	0	3	7	-	-	-
Ba (p.p.m.)	-	-	-	158	3184	3062
Th (p.p.m.)	-	-	-	9	12	15
W (p.p.m.)	-	-	-	8	62	10
Mo (p.p.m.)	-	-	-	2	1	3

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

11. 12. 13. 14. 15.

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ANALISIS DE T.T.R.R.DEL SKARN DE Sta. LLOGAIA.

NUMERO	466	468B1	468B2	464A1	469A	470A	414
YB	4.80	2.25	3.65	2.66	6.90	1.01	2.39
DY	11.50	4.46	7.74	5.79	12.50	2.64	6.51
Y.	49.40	19.60	34.80	26.00	64.00	8.59	27.30
EU	3.53	1.60	2.71	2.22	4.18	1.39	2.59
ND	54.20	19.20	34.60	24.30	42.50	13.40	29.70
LA	50.70	17.30	32.20	22.90	38.90	11.20	34.70
CE	90.80	26.40	56.50	33.30	70.00	17.60	68.90

NUMERO	422	429B	442	441	451x	452	423A
YB	3.62	3.18	0.881	2.51	2.03	4.03	3.31
DY	9.61	7.91	2.41	6.96	4.60	8.56	9.92
Y.	37.90	27.90	14.30	26.60	18.40	38.00	39.30
EU	2.45	2.17	1.71	1.75	1.48	2.26	2.53
ND	32.10	47.30	17.00	24.70	24.40	54.90	29.10
LA	34.40	50.50	12.70	15.00	28.30	65.90	16.40
CE	68.70	111.00	20.80	29.50	46.50	119.00	36.30

NUMERO	423D	432B	471B2	453A	434C	443	172x
YB	2.93	1.87	2.08	1.02	1.82	1.89	2.37
DY	9.97	9.54	18.70	3.13	5.74	2.75	3.85
Y.	31.80	15.10	18.30	17.10	14.80	13.00	19.20
EU	1.68	3.86	1.57	2.10	1.20	1.21	1.21
ND	21.90	31.50	16.90	17.80	24.10	29.60	29.30
LA	14.00	45.30	3.39	14.80	25.00	42.60	40.90
CE	26.80	63.60	7.51	22.30	49.50	74.70	73.30

NUMERO	439	445A	446	455	456	457	451y
YB	2.51	2.15	1.60	1.97	2.93	2.12	2.92
DY	7.30	4.34	4.16	4.36	4.99	3.36	7.01
Y.	21.60	16.00	20.00	21.30	22.30	17.00	30.40
EU	1.87	1.80	1.75	1.93	2.14	2.48	2.22
ND	21.40	31.50	19.60	20.50	24.90	21.30	37.10
LA	14.20	37.00	17.40	16.90	20.40	20.40	42.20
CE	24.60	61.30	30.00	22.90	31.40	33.70	76.30

NUMERO	434B
YB	1.99
DY	6.33
Y.	22.20
EU	2.39
ND	24.80
LA	22.60
CE	40.90

TAULA N° ANALISIS DE T.T.R.R. DEL SKARN ESTERIL SK-449.

MOSTRA	449A	449B	449C	449D	449E	449F
YB	2.98	3.26	3.23	2.36	5.09	3.87
DY	6.15	8.89	9.44	6.11	13.70	8.77
Y.	29.90	38.10	40.20	25.90	59.80	43.40
EU	2.39	2.32	2.30	1.09	3.75	2.32
ND	24.80	31.20	31.10	23.50	48.50	20.50
LA	23.70	35.40	26.50	20.40	44.40	14.10
CE	47.50	66.50	56.50	41.20	85.70	26.20

SKARNS DE MAGNETITA

SKARN	MOSTRA	Au (ppb)	Ag (ppm)	Pt (ppb)	Pd (ppb)	W (ppm)	Sn (ppm)	Ir (ppb)	Bi (ppm)	Cd (ppm)	Te (ppm)	As (%)
SK-861	861	< 100	-	-	-	≤ 40	≤ 40	-	-	-	-	-
SK-855	855	< 100	-	-	-	≤ 40	≤ 40	-	-	-	-	-
SK-856	856	< 100	-	-	-	-	-	-	-	-	-	0.04
SK-857	857	< 100	-	-	-	-	-	-	-	-	-	0.02
SK-859	859	< 100	-	-	-	-	-	-	-	-	-	0.25
SK-862	862	< 100	-	-	-	-	-	-	-	-	-	< 0.02
SK-850	850a+b	< 100	-	-	-	-	-	-	-	-	-	0.02

SKARNS D' HEMATITES

SKARN	MOSTRA	Au (ppb)	Ag (ppm)	Pt (ppb)	Pd (ppb)	W (ppm)	Sn (ppm)	Ir (ppb)	Bi (ppm)	Cd (ppm)	Te (ppm)	As (%)
SK-849	849	< 100	-	-	-	90	≤ 40	-	-	-	-	< 0.01

SKARN MIXTE

SKARN	MOSTRA	Au (ppb)	Ag (ppm)	Pt (ppb)	Pd (ppb)	W (ppm)	Sn (ppm)	Ir (ppb)	Bi (ppm)	Cd (ppm)	Te (ppm)	As (%)	Cu (ppm)	Zn (ppm)	Pb (ppm)
SK-826	826BRGM	375	50	-	-	446	1250	-	-	-	-	2.80	8000	622	915
SK-826	826	170	-	-	-	≤40	1500	-	-	-	-	2.20	-	-	-
SK-827	827e	250	-	-	-	≤40	180	-	-	-	-	0.06	-	-	-
SK-827	827m	100	-	-	-	≤40	720	-	-	-	-	5.65	-	-	-
SK-827	827B	400	-	-	-	≤40	70	-	-	-	-	0.35	-	-	-
SK-827	827-11	670	-	-	-	≤40	100	-	-	-	-	0.05	-	-	-
SK-870	870-11	<100	-	-	-	≤40	100	-	-	-	-	11.70	-	-	-
	826h	<100	-	-	-	≤40	190	-	-	-	-	<0.20	-	-	-

SKARNS D'ARSENOPIRITA

SKARN	MOSTRA	Au (ppb)	Ag (ppm)	Pt (ppb)	Pd (ppb)	W (ppm)	Sn (ppm)	Ir (ppb)	Bi (ppm)	Cd (ppm)	Te (ppm)	As (%)
SK-377	377a	5000	7400	< 100	< 100	-	-	< 5	15704	750	1529	-
SK-377	377b	280	-	2600	-	-	-	33	-	-	-	-
SK-377	377c	300	-	3700	600	-	-	-	-	-	-	-
SK-364	364a	930	-	< 20	< 20	-	-	< 1	1123	0.02	-	-
SK-364	1364	180	-	-	-	≤ 40	≤ 40	-	-	-	-	21.7
SK-364	364b	120	-	-	-	-	-	-	-	-	-	0.8
SK-385		132	-	< 20	< 20	-	-	< 1	-	945	-	-
SK-385		< 100	-	-	-	≤ 40	50	-	-	-	-	-

ALTRES MINERALITZACIONS

MOSTRA	Au (ppb)	Ag (ppm)	Pt (ppb)	Pd (ppb)	W (ppm)	Sn (ppm)	Ir (ppb)	Bi (ppm)	Cd (ppm)	Te (ppm)	As (%)	
SB(910)	150	-	-	-	-	-	-	-	-	-	0.02	sauló blanc
SB	100	-	-	-	-	-	-	-	-	-	0.04	sauló blanc
SM	100	-	-	-	-	-	-	-	-	-	0.02	sauló marró
693	100	-	-	-	-	-	-	-	-	-	7.75	albita intragranítica
29	100	-	-	-	-	-	-	-	-	-	0.20	diàclasis W intragranítiques
779	100	-	-	-	40	40	-	-	-	-	0.06	dissem. sulfurs en Ordov. Sup.
167	100	-	-	-	40	40	-	-	-	-	0.95	sulfurs en dic dolerític
742	100	-	-	-	40	40	-	-	-	-	0.01	precaradoc proper a miner. 743
209	100	-	-	-	40	160	-	-	-	-	0.01	granodiorita
314	100	-	-	-	40	40	-	-	-	-	0.18	dissem. sulfurs en Ordov. Sup.
698	100	-	-	-	40	40	-	-	-	-	0.03	
697	100	-	-	-	360	40	-	-	-	-	0.01	
18	100	-	-	-	-	-	-	-	-	-	0.20	estratiform Silur-devonià
21	100	-	-	-	-	-	-	-	-	-	0.20	estratiform silur-devonià

