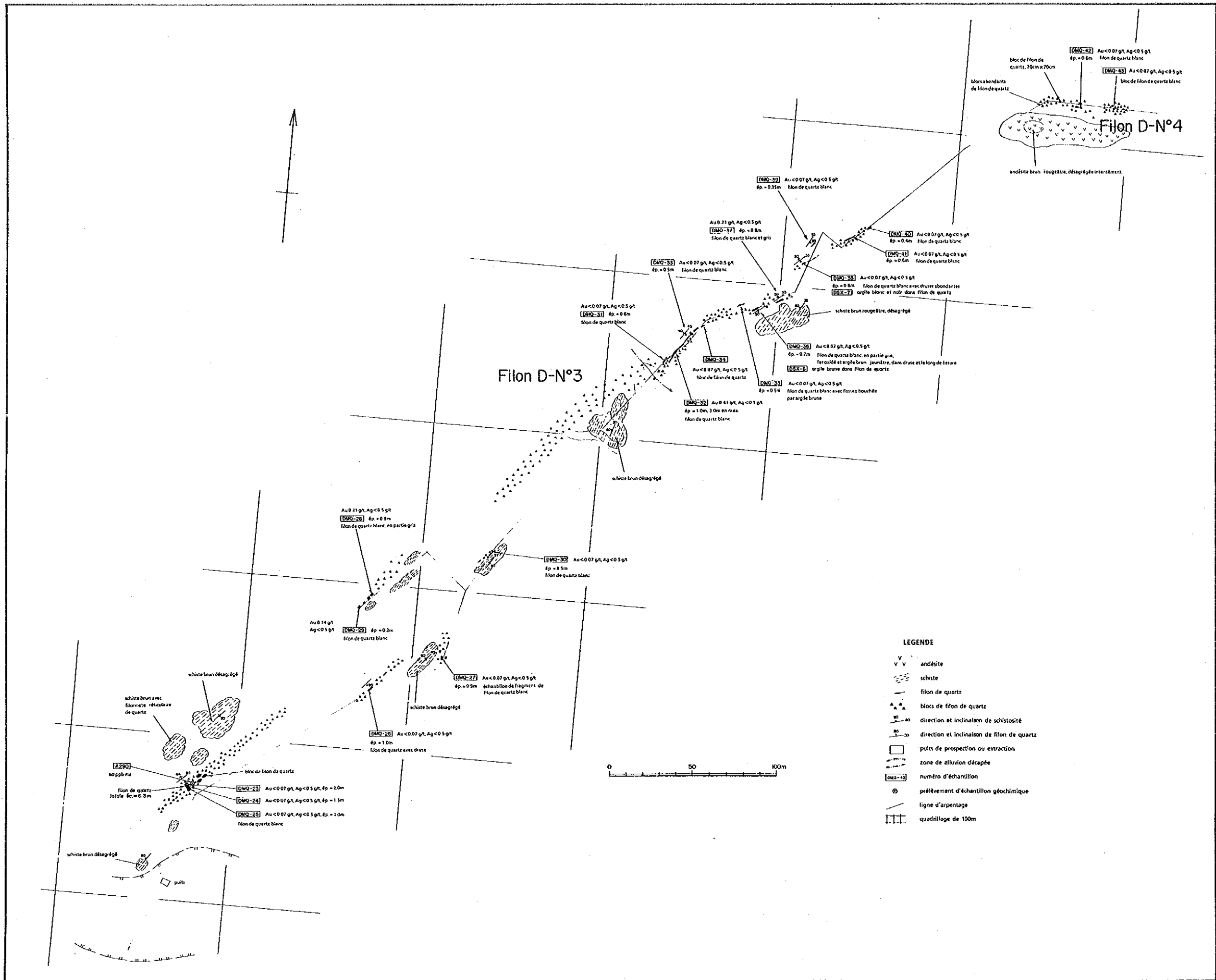


LEGENDE

- oxyde de fer
- schiste
- filon de quartz
- blocs de conglomérat d'oxyde de fer
- blocs de filon de quartz
- direction et inclinaison de schistosité
- direction et inclinaison de filon de quartz
- alluvion décapée
- puits de prospection ou extraction
- zone de alluvion décapée
- numéro d'échantillon
- prélèvement d'échantillon géochimique
- ligne d'arpentage
- quadrillage de 100m



Apc.26 Croquis géologique de gisement de Déba (Filon D-N° 3,4) A-103

Apc.27 Résultat d'analyse des minerais en surface

Apç.27(1) Résultat d'analyse des minerais en surface

Nu- merc	Echan- tillon	Coordonnées		A u (g/t)	A g (g/t)	C u (%)	P b (%)	Z n (%)	Secteurs	
		Latitude	Longitude							
1	LIF	1	13' 24. 28'	1' 14. 99'	0. 14	<0. 5	<0. 01	<0. 01	<0. 01	Libiri
2		3	"	"	0. 82	<0. 5	0. 01	0. 01	0. 01	"
3		6	13' 24. 22'	1' 15. 03'	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
4		8	13' 24. 18'	1' 15. 04'	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
5		9	13' 24. 14'	1' 15. 06'	1. 10	<0. 5	0. 01	<0. 01	<0. 01	"
6		10	"	"	0. 48	0. 5	0. 01	<0. 01	<0. 01	"
7		11	"	"	2. 40	0. 5	<0. 01	<0. 01	<0. 01	"
8		12	"	"	11. 90	1. 3	<0. 01	0. 01	<0. 01	"
9		13	"	"	0. 34	0. 6	<0. 01	<0. 01	<0. 01	"
10		14	"	"	1. 65	0. 6	<0. 01	<0. 01	<0. 01	"
11		15	"	"	0. 75	0. 5	<0. 01	<0. 01	<0. 01	"
12	LRZ	4	13' 22. 86'	1' 15. 62'	0. 14	<0. 5	<0. 01	<0. 01	<0. 01	"
13		5	13' 22. 86'	1' 15. 62'	1. 37	<0. 5	<0. 01	<0. 01	<0. 01	"
14		6	13' 24. 66'	1' 14. 87'	0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
15	MAG	1	13' 26. 13'	1' 17. 37'	1. 03	<0. 5	<0. 01	<0. 01	0. 01	"
16		2	"	"	0. 21	<0. 5	0. 01	<0. 01	0. 01	"
17		3	"	"	0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
18		4	"	"	1. 58	<0. 5	<0. 01	<0. 01	<0. 01	"
19		5	"	"	0. 41	<0. 5	0. 01	<0. 01	0. 01	"
20		6	"	"	0. 69	<0. 5	0. 01	<0. 01	0. 02	"
21	MAC	21	13' 26. 15'	1' 17. 39'	0. 21	<0. 5	0. 01	<0. 01	0. 01	"
22	KUG	8	13' 27. 56'	1' 16. 62'	7. 05	2. 6	<0. 01	<0. 01	0. 04	"
23		9	"	"	2. 06	<0. 5	0. 02	<0. 01	0. 02	"
24		11	13' 27. 65'	1' 16. 68'	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
25		12	"	"	<0. 07	<0. 5	0. 01	<0. 01	0. 02	"
26		13	"	"	0. 07	<0. 5	0. 01	<0. 01	0. 04	"
27	TWG	15	13' 29. 55'	1' 17. 07'	0. 14	<0. 5	<0. 01	<0. 01	<0. 01	"
28		17	"	"	1. 10	<0. 5	0. 01	<0. 01	<0. 01	"
29		18	"	"	0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
30	TCC	40	13' 29. 11'	1' 19. 50'	0. 07	<0. 5	0. 01	<0. 01	<0. 01	"
31		41	13' 29. 05'	1' 19. 33'	4. 59	1. 6	<0. 01	<0. 01	<0. 01	"
32		42	"	"	3. 43	1. 4	0. 02	<0. 01	0. 01	"
33		44	13' 29. 04'	1' 19. 28'	0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
34	LRA	17	13' 22. 76'	1' 15. 64'	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
35		41	13' 31. 90'	1' 17. 50'	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
36	LRB	1	13' 29. 71'	1' 19. 63'	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"

Apc.27(2) Résultat d'analyse des minerais en surface

Nu- mero	Echan- tillon	Coordonnees		A u (g/t)	A g (g/t)	C u (%)	P b (%)	Z n (%)	Secteurs	
		Latitude	Longitude							
37	LRC	1	13' 30.10'	1' 18.51'	<0.07	<0.5	<0.01	<0.01	<0.01	Libiri
38		5	13' 27.47'	1' 18.29'	<0.07	<0.5	<0.01	<0.01	0.05	"
39		9	13' 29.92'	1' 15.86'	<0.07	<0.5	<0.01	<0.01	<0.01	"
40		13	13' 27.29'	1' 15.08'	<0.07	<0.5	<0.01	<0.01	<0.01	"
41		14	13' 27.02'	1' 14.28'	<0.07	<0.5	<0.01	<0.01	<0.01	"
42		15	13' 27.03'	1' 15.53'	<0.07	<0.5	<0.01	<0.01	<0.01	"
43		22	13' 26.43'	1' 22.18'	<0.07	<0.5	<0.01	<0.01	<0.01	"
44		24	13' 26.17'	1' 22.36'	<0.07	<0.5	<0.01	<0.01	<0.01	"
45	LAZ	9	13' 28.06'	1' 16.65'	<0.07	<0.5	<0.01	<0.01	<0.01	"
46		11	13' 30.10'	1' 18.44'	0.07	<0.5	<0.01	<0.01	<0.01	"
47		15	13' 28.21'	1' 19.42'	<0.07	<0.5	<0.01	<0.01	<0.01	"
48		20	13' 23.46'	1' 16.51'	<0.07	<0.5	<0.01	<0.01	<0.01	"
49		27	13' 23.58'	1' 15.05'	0.07	<0.5	<0.01	<0.01	<0.01	"
50	NRA	4	13' 2.12'	1' 24.27'	0.07	<0.5	<0.01	<0.01	<0.01	Tambolé
51		9	13' 0.84'	1' 22.33'	<0.07	<0.5	<0.01	<0.01	<0.01	"
52		11	13' 0.04'	1' 21.63'	<0.07	<0.5	<0.01	<0.01	<0.01	"
53		14	13' 1.67'	1' 22.77'	<0.07	<0.5	<0.01	<0.01	<0.01	"
54		16	13' 2.56'	1' 23.41'	<0.07	<0.5	<0.01	<0.01	<0.01	"
55		50	13' 2.49'	1' 22.84'	<0.07	<0.5	<0.01	<0.01	<0.01	"
56		52	13' 2.52'	1' 22.46'	<0.07	<0.5	<0.01	<0.01	<0.01	"
57		53	13' 2.95'	1' 22.91'	<0.07	<0.5	<0.01	<0.01	<0.01	"
58		56	12' 54.53'	1' 20.17'	<0.07	<0.5	<0.01	<0.01	<0.01	"
59		60	13' 6.52'	1' 15.16'	<0.07	<0.5	<0.01	<0.01	<0.01	Nasile
60		70	13' 2.36'	1' 25.41'	<0.07	<0.5	<0.01	<0.01	<0.01	Tambolé
61		71	"	"	<0.07	<0.5	<0.01	<0.01	<0.01	"
62		82	12' 57.14'	1' 10.89'	<0.07	<0.5	<0.01	<0.01	<0.01	Nasile
63		90	12' 56.27'	1' 19.60'	<0.07	<0.5	<0.01	<0.01	<0.01	Tambolé
64		100	13' 2.69'	1' 25.63'	<0.07	<0.5	<0.01	<0.01	<0.01	"
65		101	13' 2.91'	1' 25.45'	0.21	0.5	<0.01	<0.01	<0.01	"
66		200	13' 4.13'	1' 19.34'	<0.07	<0.5	<0.01	0.02	<0.01	Nasile
67	NRA	201	13' 4.13'	1' 19.34'	<0.07	<0.5	<0.01	<0.01	<0.01	"
68		203	"	"	<0.07	<0.5	<0.01	<0.01	<0.01	"
69		204	"	"	<0.07	<0.5	<0.01	<0.01	<0.01	"
70		205	"	"	<0.07	<0.5	<0.01	<0.01	<0.01	"
71		206	"	"	<0.07	<0.5	<0.01	<0.01	<0.01	"
72		212	13' 01.63'	1' 22.85'	<0.07	<0.5	<0.01	<0.01	<0.01	Tambolé

Ap.27(3) Résultat d'analyse des minerais en surface

Nu- merc	Echan- tillon	Coordonnees		A u (g/t)	A g (g/t)	C u (%)	P b (%)	Z n (%)	Secteurs
		Latitude	Longitude						
73	NRA 230	12° 54.55'	1° 20.54'	<0.07	<0.5	<0.01	<0.01	<0.01	Tambolé
74	231	12° 54.54'	1° 20.61'	<0.07	<0.5	<0.01	<0.01	<0.01	"
75	302	13° 3.01'	1° 27.58'	<0.07	<0.5	<0.01	<0.01	<0.01	"
76	307	13° 2.55'	1° 27.60'	<0.07	<0.5	<0.01	0.01	<0.01	"
77	308	13° 2.33'	1° 27.64'	<0.07	<0.5	<0.01	<0.01	<0.01	"
78	310	13° 2.31'	1° 27.75'	<0.07	<0.5	<0.01	<0.01	<0.01	"
79	311	13° 2.94'	1° 27.81'	<0.07	<0.5	<0.01	<0.01	<0.01	"
80	324	13° 0.55'	1° 28.19'	<0.07	<0.5	<0.01	<0.01	<0.01	"
81	325	13° 0.53'	1° 28.29'	<0.07	<0.5	<0.01	<0.01	<0.01	"
82	326	13° 0.29'	1° 28.33'	<0.07	<0.5	<0.01	<0.01	<0.01	"
83	400	13° 21.96'	1° 26.94'	<0.07	<0.5	<0.01	<0.01	<0.01	Allaréni
84	401	13° 26.87'	1° 25.83'	<0.07	<0.5	<0.01	<0.01	<0.01	"
85	403	13° 22.42'	1° 26.95'	<0.07	<0.5	<0.01	<0.01	<0.01	"
86	NRB 1	13° 7.52'	1° 21.66'	0.07	0.9	<0.01	<0.01	<0.01	Nasile
87	7	13° 3.74'	1° 18.46'	<0.07	<0.5	<0.01	<0.01	<0.01	"
88	13	12° 56.90'	1° 17.82'	<0.07	<0.5	<0.01	<0.01	<0.01	Tambolé
89	20	12° 59.36'	1° 25.22'	<0.07	<0.5	<0.01	<0.01	<0.01	"
90	21	12° 59.10'	1° 25.50'	<0.07	<0.5	<0.01	<0.01	<0.01	"
91	22	13° 2.14'	1° 26.47'	<0.07	<0.5	0.01	<0.01	<0.01	"
92	23	13° 1.19'	1° 26.58'	<0.07	<0.5	<0.01	<0.01	<0.01	"
93	28	13° 31.43'	1° 32.79'	<0.07	<0.5	<0.01	<0.01	<0.01	Allaréni
94	NRC 1	13° 13.41'	1° 26.27'	<0.07	<0.5	<0.01	<0.01	<0.01	"
95	3	13° 15.26'	1° 27.22'	<0.07	<0.5	<0.01	<0.01	<0.01	"
96	4	13° 5.21'	1° 23.36'	<0.07	<0.5	<0.01	<0.01	<0.01	Nasile
97	8	13° 10.56'	1° 26.76'	<0.07	<0.5	<0.01	<0.01	<0.01	Allaréni
98	10	13° 3.23'	1° 21.55'	<0.07	<0.5	<0.01	<0.01	<0.01	Nasile
99	18	13° 1.97'	1° 24.13'	<0.07	<0.5	<0.01	<0.01	<0.01	Tambolé
100	NRC 19	13° 1.97'	1° 24.13'	<0.07	<0.5	<0.01	<0.01	<0.01	"
101	20	"	"	<0.07	<0.5	<0.01	<0.01	<0.01	"
102	21	"	"	<0.07	<0.5	<0.01	<0.01	<0.01	"
103	30	12° 58.60'	1° 17.50'	<0.07	<0.5	<0.01	<0.01	<0.01	Nasile
104	33	12° 58.73'	1° 24.75'	<0.07	<0.5	<0.01	<0.01	<0.01	Tambolé
105	36	12° 58.43'	1° 23.43'	<0.07	<0.5	<0.01	<0.01	<0.01	"
106	37	12° 59.06'	1° 22.68'	<0.07	<0.5	<0.01	<0.01	<0.01	"
107	38	12° 58.18'	1° 22.44'	<0.07	<0.5	<0.01	<0.01	<0.01	"
108	40	12° 57.19'	1° 23.69'	<0.07	<0.5	<0.01	<0.01	<0.01	"

Apc.27(4) Résultat d'analyse des minerais en surface

Nu- mero	Echan- tillon	Coordonnees		A u (g/t)	A g (g/t)	C u (%)	P b (%)	Z n (%)	Secteurs	
		Latitudo	Longitude							
109	NRC	45	13' 16.66'	1' 27.48'	<0.07	<0.5	<0.01	<0.01	<0.01	Allaréni
110		46	13' 18.85'	1' 25.77'	<0.07	<0.5	<0.01	<0.01	<0.01	"
111		47	13' 13.09'	1' 25.35'	<0.07	<0.5	0.01	<0.01	<0.01	"
112		48	13' 26.20'	1' 28.21'	<0.07	<0.5	<0.01	<0.01	<0.01	"
113		49	13' 27.85'	1' 27.09'	<0.07	<0.5	<0.01	<0.01	<0.01	"
114		52	13' 28.83'	1' 26.35'	<0.07	<0.5	<0.01	<0.01	<0.01	"
115		54	13' 33.22'	1' 31.98'	<0.07	<0.5	<0.01	<0.01	<0.01	"
116	NRF	3	13' 10.23'	1' 25.69'	<0.07	<0.5	<0.01	<0.01	<0.01	"
117		4	13' 08.33'	1' 21.08'	<0.07	<0.5	<0.01	<0.01	<0.01	Nasile
118		8	12' 52.89'	1' 19.33'	<0.07	<0.5	<0.01	<0.01	<0.01	Tambolt
119		9	12' 59.45'	1' 26.96'	<0.07	<0.5	<0.01	<0.01	<0.01	"
120	NRG	2	13' 06.84'	1' 24.48'	<0.07	<0.5	<0.01	<0.01	<0.01	Nasile
121		3	13' 04.64'	1' 23.39'	<0.07	<0.5	<0.01	<0.01	<0.01	"
122		10	13' 26.79'	1' 33.15'	0.07	<0.5	0.02	<0.01	<0.01	Allaréni
123	NRJ	25	13' 16.60'	1' 24.28'	0.07	<0.5	<0.01	<0.01	0.01	"
124		32	13' 16.67'	1' 23.02'	<0.07	<0.5	<0.01	<0.01	<0.01	"
125		34	13' 22.48'	1' 29.59'	<0.07	<0.5	<0.01	<0.01	<0.01	"
126	NRW	1	13' 15.63'	1' 27.26'	<0.07	<0.5	<0.01	<0.01	<0.01	"
127		5	13' 14.40'	1' 28.06'	<0.07	<0.5	<0.01	<0.01	<0.01	"
128	1 -1	-A	13' 15.92'	1' 3.67'	0.21	<0.5	0.02	<0.01	0.01	Séfa Nangue
129		B	"	"	1.30	<0.5	0.02	<0.01	0.01	"
130		C	"	"	0.41	<0.5	<0.01	<0.01	<0.01	"
131		D	"	"	2.74	<0.5	<0.01	<0.01	0.01	"
132		E	"	"	0.14	<0.5	<0.01	<0.01	<0.01	"
133		F	"	"	0.07	<0.5	<0.01	<0.01	<0.01	"
134		G	"	"	1.92	<0.5	<0.01	<0.01	<0.01	"
135	1 -2	-A	13' 15.93'	1' 3.74'	0.41	<0.5	0.01	<0.01	0.02	"
136		-B	"	"	0.55	<0.5	<0.01	<0.01	<0.01	"
137		-C	"	"	4.42	1.9	0.02	<0.01	0.01	"
138		-D	"	"	0.41	<0.5	<0.01	<0.01	<0.01	"
139		-E	"	"	0.48	<0.5	0.01	<0.01	0.02	"
140		-F	"	"	0.75	<0.5	0.02	<0.01	0.02	"
141		-G	"	"	0.34	<0.5	<0.01	<0.01	<0.01	"
142		-H	"	"	1.30	0.5	0.01	<0.01	0.01	"
143		-I	"	"	0.75	<0.5	<0.01	<0.01	<0.01	"
144		-J	"	"	0.75	0.6	0.02	<0.01	0.02	"

Apc.27(5) Résultat d'analyse des minerais en surface

Nu- mero	Echan- tillon	Coordonnees		A u (g/t)	A g (g/t)	C u (%)	P b (%)	Z n (%)	Secteurs
		Latituede	Longitude						
145	1-3-A	13' 15.92'	1' 3.52'	1.65	<0.5	0.01	<0.01	0.01	Sifa Nangue
146	B	"	"	0.41	<0.5	<0.01	<0.01	<0.01	"
147	C	"	"	1.10	<0.5	<0.01	<0.01	<0.01	"
148	D	"	"	2.06	<0.5	0.01	<0.01	0.02	"
149	E	"	"	1.78	<0.5	<0.01	<0.01	<0.01	"
150	F	"	"	6.89	<0.5	0.01	<0.01	0.01	"
151	G	"	"	0.69	<0.5	<0.01	<0.01	<0.01	"
152	H	"	"	2.13	<0.5	<0.01	<0.01	<0.01	"
153	I	"	"	0.82	<0.5	0.01	<0.01	0.02	"
154	J	"	"	3.43	0.7	<0.01	<0.01	<0.01	"
155	K	"	"	3.84	0.5	<0.01	<0.01	<0.01	"
156	1-4-A	13' 15.92'	1' 3.54'	2.33	<0.5	<0.01	<0.01	<0.01	"
157	B	"	"	1.99	<0.5	0.01	<0.01	0.01	"
158	C	"	"	5.55	1.0	<0.01	<0.01	<0.01	"
159	2-1-A	13' 16.02'	1' 3.37'	0.34	<0.5	<0.01	<0.01	<0.01	"
160	B	"	"	1.44	<0.5	<0.01	<0.01	<0.01	"
161	3-1-A	13' 16.07'	1' 3.46'	0.07	<0.5	0.01	<0.01	<0.01	"
162	B	"	"	<0.07	<0.5	0.01	<0.01	<0.01	"
163	C	"	"	0.07	<0.5	0.01	<0.01	<0.01	"
164	4-1-A	13' 15.87'	1' 3.47'	1.44	<0.5	0.01	<0.01	0.01	"
165	B	"	"	0.41	<0.5	0.01	<0.01	<0.01	"
166	C	"	"	4.18	<0.5	<0.01	<0.01	<0.01	"
167	D	"	"	12.40	0.5	0.01	<0.01	0.01	"
168	E	"	"	0.89	<0.5	<0.01	<0.01	<0.01	"
169	F	"	"	7.35	<0.5	0.03	<0.01	0.02	"
170	G	"	"	0.96	<0.5	<0.01	<0.01	<0.01	"
171	H	"	"	0.62	<0.5	<0.01	<0.01	<0.01	"
172	I	"	"	0.55	<0.5	<0.01	<0.01	<0.01	"
173	4-2-A	13' 15.87'	1' 3.46'	0.27	<0.5	<0.01	<0.01	<0.01	"
174	B	"	"	0.55	<0.5	<0.01	<0.01	<0.01	"
175	C	"	"	2.67	<0.5	<0.01	<0.01	<0.01	"
176	D	"	"	8.61	0.7	<0.01	<0.01	<0.01	"
177	E	"	"	3.29	<0.5	<0.01	<0.01	<0.01	"
178	5-1-A	13' 15.86'	1' 3.53'	0.55	<0.5	0.01	<0.01	0.02	"
179	B	"	"	1.71	<0.5	<0.01	<0.01	<0.01	"
180	C	"	"	2.47	<0.5	0.02	<0.01	0.02	"

Apc.27(6) Résultat d'analyse des minerais en surface

Nu- merc	Echan- tillon	Coordonnees		A u (g/t)	A g (g/t)	C u (%)	P b (%)	Z n (%)	Secteurs
		Latitede	Longitude						
181	5-1-D	13' 15.86'	1' 3.53'	0.82	<0.5	<0.01	<0.01	<0.01	Stfa Nangue
182	E	"	"	3.60	<0.5	<0.01	<0.01	<0.01	"
183	F	"	"	0.89	0.5	<0.01	<0.01	<0.01	"
184	G	"	"	1.85	<0.5	<0.01	<0.01	<0.01	"
185	H	"	"	1.65	<0.5	<0.01	<0.01	<0.01	"
186	5-2-A	13' 15.85'	1' 3.55'	1.92	<0.5	0.01	<0.01	0.02	"
187	B	"	"	3.02	<0.5	<0.01	<0.01	<0.01	"
188	C	"	"	2.13	<0.5	0.02	<0.01	0.02	"
189	D	"	"	1.71	<0.5	0.01	<0.01	0.02	"
190	E	"	"	0.89	<0.5	<0.01	<0.01	<0.01	"
191	F	"	"	1.71	<0.5	0.02	<0.01	0.02	"
192	DH-9-1-A	13' 16.12'	1' 3.31'	0.41	<0.5	<0.01	0.01	<0.01	"
193	B	"	"	0.69	<0.5	<0.01	<0.01	<0.01	"
194	C	"	"	1.03	<0.5	<0.01	<0.01	<0.01	"
195	D	"	"	0.62	<0.5	<0.01	<0.01	<0.01	"
196	DH-9-2-A	13' 16.12'	1' 3.32'	0.21	<0.5	0.01	<0.01	<0.01	"
198	B	"	"	2.54	<0.5	0.01	<0.01	<0.01	"
199	C	"	"	0.75	<0.5	<0.01	<0.01	<0.01	"
200	D	"	"	1.65	<0.5	0.01	0.01	<0.01	"
201	E	"	"	0.27	<0.5	0.01	<0.01	<0.01	"
202	F	"	"	1.37	<0.5	0.01	<0.01	<0.01	"
203	G	"	"	0.21	<0.5	0.01	<0.01	<0.01	"
204	DH-9-3-A	13' 16.11'	1' 3.32'	1.30	<0.5	0.01	<0.01	<0.01	"
205	B	"	"	0.21	<0.5	0.01	<0.01	<0.01	"
206	C	"	"	0.14	<0.5	0.01	<0.01	<0.01	"
207	DWQ 1	13' 12.84'	1' 4.31'	0.07	<0.5	<0.01	0.01	<0.01	Déba
208	2	13' 12.83'	1' 4.31'	0.07	<0.5	<0.01	<0.01	<0.01	"
209	3	"	"	0.27	0.5	<0.01	0.01	<0.01	"
210	4	"	"	0.41	0.5	0.01	<0.01	<0.01	"
211	5	"	"	0.55	0.6	0.01	<0.01	<0.01	"
212	6	"	"	0.41	0.5	<0.01	<0.01	<0.01	"
213	7	"	"	1.23	0.5	0.01	<0.01	<0.01	"
214	8	"	"	0.62	0.5	0.01	<0.01	<0.01	"
215	9	13' 13.15'	1' 4.26'	0.07	<0.5	<0.01	<0.01	<0.01	"
216	10	13' 13.14'	1' 4.27'	<0.07	<0.5	<0.01	<0.01	<0.01	"

Apc.27(7) Résultat d'analyse des minerais en surface

Nu- mero	Echan- tillon	Coordonnees		A u (g/t)	A g (g/t)	C u (%)	P b (%)	Z n (%)	Secteurs
		Latitude	Longitude						
217	DMQ 11	13° 13.15'	1° 4.28'	<0.07	<0.5	<0.01	<0.01	<0.01	Séfa Nangue
218	12	13° 13.30'	1° 4.10'	<0.07	<0.5	<0.01	<0.01	<0.01	"
219	13	13° 13.31'	1° 4.10'	<0.07	<0.5	<0.01	<0.01	<0.01	"
220	14	13° 13.37'	1° 4.07'	<0.07	<0.5	<0.01	<0.01	<0.01	"
221	15	13° 13.36'	1° 4.06'	<0.07	<0.5	<0.01	<0.01	<0.01	"
222	16	13° 12.14'	1° 4.04'	0.07	<0.5	<0.01	<0.01	<0.01	"
223	17	13° 12.15'	1° 4.05'	2.13	<0.5	<0.01	<0.01	<0.01	"
224	18	13° 12.20'	1° 4.13'	0.21	<0.5	<0.01	<0.01	<0.01	"
225	19	13° 12.20'	1° 4.15'	0.21	<0.5	<0.01	<0.01	<0.01	"
226	20	13° 12.21'	1° 4.17'	0.34	<0.5	<0.01	<0.01	<0.01	"
227	21	13° 12.22'	1° 4.18'	0.07	<0.5	<0.01	<0.01	<0.01	"
228	22	13° 12.23'	1° 4.20'	0.07	<0.5	<0.01	<0.01	<0.01	"
229	23	13° 12.34'	1° 4.24'	<0.07	<0.5	<0.01	<0.01	<0.01	"
230	24	13° 12.34'	1° 4.24'	<0.07	<0.5	<0.01	<0.01	<0.01	"
231	25	13° 12.34'	1° 4.24'	<0.07	<0.5	<0.01	<0.01	<0.01	Déba
232	26	13° 12.38'	1° 4.30'	<0.07	<0.5	<0.01	<0.01	<0.01	"
233	27	13° 12.40'	1° 4.33'	<0.07	<0.5	<0.01	<0.01	<0.01	"
234	28	13° 12.42'	1° 4.28'	0.21	<0.5	<0.01	<0.01	<0.01	"
235	29	13° 12.42'	1° 4.28'	0.14	<0.5	<0.01	<0.01	<0.01	"
236	30	13° 12.43'	1° 4.34'	<0.07	<0.5	<0.01	<0.01	<0.01	"
237	31	13° 12.50'	1° 4.39'	<0.07	<0.5	<0.01	<0.01	<0.01	"
238	32	"	"	0.41	<0.5	<0.01	<0.01	<0.01	"
239	33	13° 12.50'	1° 4.40'	<0.07	<0.5	<0.01	<0.01	<0.01	"
240	34	13° 12.51'	1° 4.40'	<0.07	<0.5	<0.01	<0.01	<0.01	"
241	35	13° 12.52'	1° 4.42'	<0.07	<0.5	<0.01	<0.01	<0.01	"
242	36	13° 12.51'	1° 4.42'	<0.07	<0.5	0.01	<0.01	<0.01	"
243	37	13° 12.52'	1° 4.43'	0.21	<0.5	<0.01	<0.01	<0.01	"
244	38	13° 12.53'	1° 4.43'	<0.07	<0.5	<0.01	<0.01	<0.01	"
245	39	13° 12.54'	1° 4.44'	<0.07	<0.5	<0.01	<0.01	<0.01	"
246	40	13° 12.55'	1° 4.46'	<0.07	<0.5	<0.01	<0.01	<0.01	"
247	41	"	"	<0.07	<0.5	<0.01	<0.01	<0.01	"
248	42	13° 12.59'	1° 4.53'	<0.07	<0.5	<0.01	<0.01	<0.01	"
249	43	13° 12.59'	1° 4.54'	<0.07	<0.5	<0.01	<0.01	<0.01	"
250	44	13° 12.64'	1° 4.60'	<0.07	<0.5	<0.01	<0.01	<0.01	"
251	HS 1	13° 15.65'	1° 3.00'	<0.07	<0.5	<0.01	<0.01	<0.01	Séfa Nangue
252	2	13° 15.50'	1° 2.98'	<0.07	<0.5	<0.01	<0.01	<0.01	"

Apç.27(8) Résultat d'analyse des minerais en surface

Nu- mero	Echan- tillon	Coordonnees		A u (g/t)	A g (g/t)	C u (%)	P b (%)	Z n (%)	Secteurs
		Latitede	Longitude						
253	HS 3	13' 15.38'	1' 2.86'	<0.07	<0.5	<0.01	<0.01	<0.01	Séfa Nangue
254	4	13' 15.52'	1' 2.78'	<0.07	<0.5	<0.01	<0.01	<0.01	"
255	5-A	13' 15.96'	1' 3.63'	0.41	<0.5	<0.01	<0.01	<0.01	"
256	B	"	"	0.62	<0.5	<0.01	<0.01	<0.01	"
257	C	13' 15.96'	1' 3.59'	0.62	<0.5	<0.01	<0.01	<0.01	"
258	D	13' 15.97'	1' 3.54'	0.07	<0.5	<0.01	<0.01	<0.01	"
259	E	"	"	1.03	1.2	0.01	0.02	<0.01	"
260	F	13' 15.97'	1' 3.53'	0.07	<0.5	<0.01	<0.01	<0.01	"
261	6	13' 15.52'	1' 2.77'	1.71	<0.5	<0.01	<0.01	<0.01	"
262	7	13' 15.56'	1' 2.86'	0.07	0.6	0.02	0.04	0.01	"
263	8	13' 15.56'	1' 2.88'	2.19	<0.5	0.01	<0.01	<0.01	"
264	9	13' 15.60'	1' 2.86'	<0.07	<0.5	0.01	<0.01	<0.01	"
265	10	"	"	<0.07	<0.5	0.01	<0.01	<0.01	"
266	11	13' 15.61'	1' 2.87'	<0.07	<0.5	0.02	<0.01	<0.01	"
267	12	13' 15.45'	1' 2.94'	<0.07	<0.5	0.01	<0.01	<0.01	"
268	13	13' 15.47'	1' 2.95'	<0.07	<0.5	0.01	<0.01	<0.01	"
269	14	13' 15.49'	1' 2.99'	<0.07	<0.5	0.02	<0.01	<0.01	"
270	15	13' 15.50'	1' 3.00'	<0.07	<0.5	<0.01	<0.01	<0.01	"
271	SMQ 1	13' 15.96'	1' 3.37'	0.27	<0.5	<0.01	<0.01	<0.01	"
272	2	13' 15.97'	1' 3.36'	3.91	<0.5	<0.01	<0.01	<0.01	"
273	3	13' 15.97'	1' 3.35'	1.92	<0.5	0.01	<0.01	<0.01	"
274	4	13' 16.02'	1' 3.39'	1.37	<0.5	0.01	<0.01	<0.01	"
275	5	13' 16.04'	1' 3.40'	2.13	4.0	0.03	<0.01	<0.01	"
276	6	13' 16.05'	1' 3.42'	<0.07	<0.5	<0.01	<0.01	<0.01	"
277	7	13' 16.04'	1' 3.43'	0.07	<0.5	0.01	<0.01	<0.01	"
278	8	13' 16.03'	1' 3.45'	<0.07	<0.5	<0.01	<0.01	<0.01	"
279	9	13' 16.05'	1' 3.44'	<0.07	<0.5	0.01	<0.01	<0.01	"
280	10	13' 15.97'	1' 3.52'	<0.07	<0.5	<0.01	<0.01	<0.01	"
281	11	13' 16.00'	1' 3.52'	<0.07	<0.5	0.01	<0.01	<0.01	"
282	12	13' 15.99'	1' 3.55'	0.55	0.5	0.01	<0.01	<0.01	"
283	13	13' 16.16'	1' 3.43'	0.27	<0.5	<0.01	<0.01	<0.01	"
284	14	13' 16.18'	1' 3.42'	0.41	1.3	0.01	<0.01	<0.01	"
285	15	13' 16.21'	1' 3.41'	0.07	<0.5	<0.01	<0.01	<0.01	"
286	16	13' 16.24'	1' 3.34'	<0.07	<0.5	0.02	<0.01	<0.01	"
287	17	13' 16.42'	1' 3.24'	<0.07	<0.5	0.01	<0.01	<0.01	"
288	18	13' 16.44'	1' 3.22'	3.19	<0.5	0.01	<0.01	<0.01	"

Apc.27(9) Résultat d'analyse des minerais en surface

Nu- mero	Echan- tillon	Coordonnees		A u (g/t)	A g (g/t)	C u (%)	P b (%)	Z n (%)	Secteurs	
		Latitude	Longitude							
289	SNQ	19	13' 16.08'	1' 3.17'	0.07	<0.5	0.02	<0.01	0.01	Séfa Nangue
290		20	13' 15.83'	1' 2.69'	422.00	28.2	0.01	<0.01	<0.01	"
291	SNR	1	13' 16.35'	1' 3.25'	2.06	<0.5	<0.01	<0.01	<0.01	"
292		2	13' 16.45'	1' 3.22'	0.27	<0.5	<0.01	<0.01	<0.01	"
293		3	13' 16.51'	1' 3.18'	0.21	<0.5	<0.01	<0.01	<0.01	"
294		4	13' 16.41'	1' 3.15'	0.07	<0.5	<0.01	<0.01	<0.01	"
295		5	13' 16.54'	1' 3.37'	<0.07	<0.5	<0.01	<0.01	<0.01	"
296		6	13' 16.66'	1' 3.40'	<0.07	<0.5	<0.01	<0.01	<0.01	"
297		7	13' 16.65'	1' 3.28'	<0.07	<0.5	<0.01	<0.01	<0.01	"
298		8	13' 16.57'	1' 3.03'	0.27	<0.5	<0.01	<0.01	<0.01	"
299		9	13' 16.52'	1' 2.89'	<0.07	<0.5	<0.01	<0.01	<0.01	"
300		10	13' 16.30'	1' 2.93'	<0.07	<0.5	<0.01	<0.01	<0.01	"
301	NUC	65	13' 37.20'	1' 34.83'	7.13	1.9	<0.01	<0.01	<0.01	Mbanga
302		76	13' 36.98'	1' 34.53'	14.20	2.2	<0.01	<0.01	<0.01	"
303		77	13' 37.20'	1' 34.83'	0.14	<0.5	<0.01	<0.01	<0.01	"
304		78	"	"	0.21	<0.5	<0.01	<0.01	<0.01	"
305		79	13' 36.98'	1' 34.53'	0.07	<0.5	0.02	<0.01	0.02	"
306		80	"	"	67.20	20.2	<0.01	<0.01	<0.01	"
307		81	"	"	21.70	4.1	0.01	<0.01	0.01	"
308	NUF	21	13' 37.20'	1' 34.83'	8.46	2.5	<0.01	<0.01	<0.01	"
309	KNC	60	13' 36.65'	1' 33.08'	0.27	<0.5	<0.01	<0.01	<0.01	"
310		61	"	"	58.40	12.1	0.01	<0.01	0.01	"
311		62	"	"	1.99	0.7	<0.01	<0.01	<0.01	"
312		66	13' 36.31'	1' 33.36'	7.71	<0.5	<0.01	<0.01	<0.01	"
313		67	"	"	1.30	<0.5	<0.01	<0.01	<0.01	"
314		69	13' 36.63'	1' 33.08'	0.14	<0.5	<0.01	<0.01	<0.01	"
315		70	"	"	0.07	<0.5	0.01	<0.01	<0.01	"
316		71	"	"	0.96	<0.5	0.01	<0.01	<0.01	"
317		72	13' 36.70'	1' 33.21'	33.00	11.2	<0.01	<0.01	<0.01	"
318		73	"	"	1.37	0.6	<0.01	<0.01	<0.01	"
319	KLC	46	13' 35.20'	1' 30.38'	0.07	<0.5	<0.01	<0.01	<0.01	Touré Ouest
320		47	"	"	0.07	<0.5	<0.01	<0.01	<0.01	"
321		48	"	"	0.07	<0.5	<0.01	<0.01	<0.01	"
322		55	13' 34.86'	1' 30.18'	2.17	<0.5	<0.01	<0.01	<0.01	"
323		56	"	"	1.44	<0.5	0.01	<0.01	0.01	"
324	TOB	7	13' 34.25'	1' 25.90'	0.07	1.1	0.01	<0.01	<0.01	"

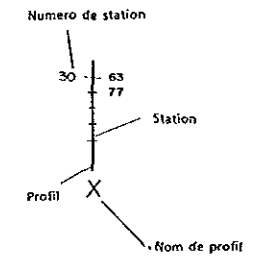
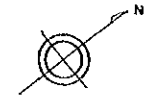
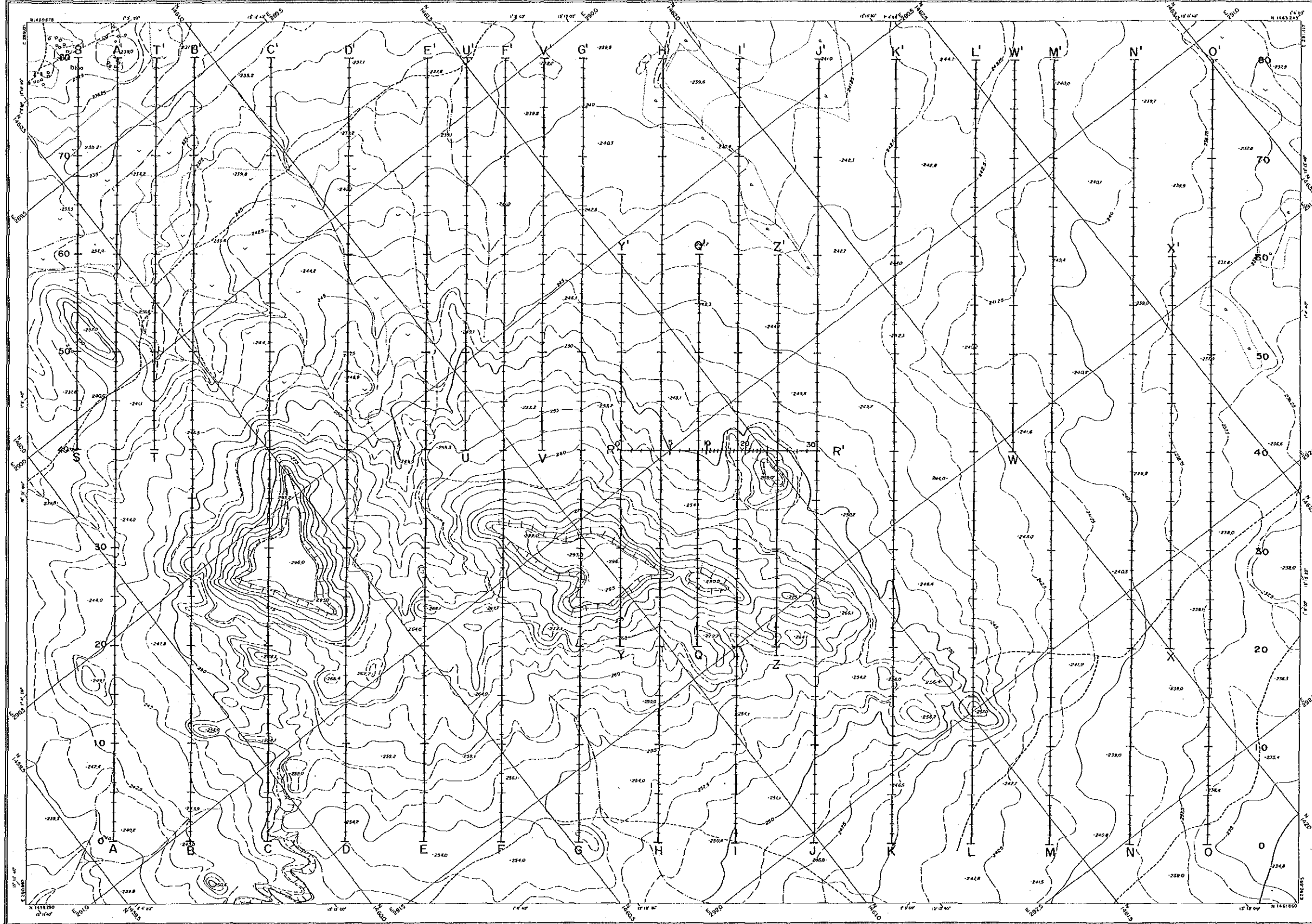
Apc.27(10) Résultat d'analyse des minerais en surface

Nu- mero	Echan- tillon	Coordonnees		A u (g/t)	A g (g/t)	C u (%)	P b (%)	Z n (%)	Secteurs
		Latitede	Longitude						
325	TOB 8	13' 34. 25'	1' 25. 90'	0. 14	0. 5	0. 03	<0. 01	0. 01	Touré Ouest
326	9	"	"	0. 07	0. 6	0. 01	0. 01	<0. 01	"
327	10	"	"	0. 07	<0. 5	0. 01	<0. 01	<0. 01	"
328	11	"	"	0. 21	6. 8	0. 08	0. 04	0. 02	"
329	12	"	"	0. 14	3. 9	0. 01	<0. 01	0. 01	"
330	TOE 2	"	"	0. 14	<0. 5	0. 02	<0. 01	<0. 01	"
331	3	13' 34. 25'	1' 25. 90'	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
332	4	13' 33. 98'	1' 26. 01'	<0. 07	<0. 5	0. 01	<0. 01	<0. 01	"
333	5	"	"	0. 27	<0. 5	0. 01	<0. 01	<0. 01	"
334	6	"	"	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
335	7	13' 33. 88'	1' 25. 88'	<0. 07	<0. 5	<0. 01	<0. 01	0. 02	"
336	8	"	"	<0. 07	<0. 5	0. 01	<0. 01	0. 03	"
337	10	"	"	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
338	11	"	"	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
339	DII 1	13' 34. 81'	1' 26. 91'	<0. 07	<0. 5	0. 01	<0. 01	0. 01	"
340	2	"	"	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
341	DIC 45	"	"	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
342	TIC 84	13' 31. 83'	1' 24. 08'	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	Tiambi
343	85	"	"	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
344	86	"	"	0. 27	<0. 5	<0. 01	<0. 01	<0. 01	"
345	87	13' 31. 70'	1' 24. 00'	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
346	88	"	"	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
347	89	"	"	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
348	90	"	"	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
349	91	"	"	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
350	92	"	"	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
351	93	"	"	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
352	94	"	"	<0. 07	<0. 5	<0. 01	<0. 01	0. 05	"
353	95	13' 31. 51'	1' 23. 88'	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
354	96	"	"	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
355	97	"	"	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
356	98	13' 31. 41'	1' 23. 90'	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
357	99	"	"	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
358	100	"	"	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
359	101	"	"	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"
360	102	13' 31. 30'	1' 23. 95'	<0. 07	<0. 5	<0. 01	<0. 01	<0. 01	"

App. 28 Résultat de mesure de resistivité dans laboratoire

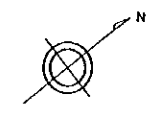
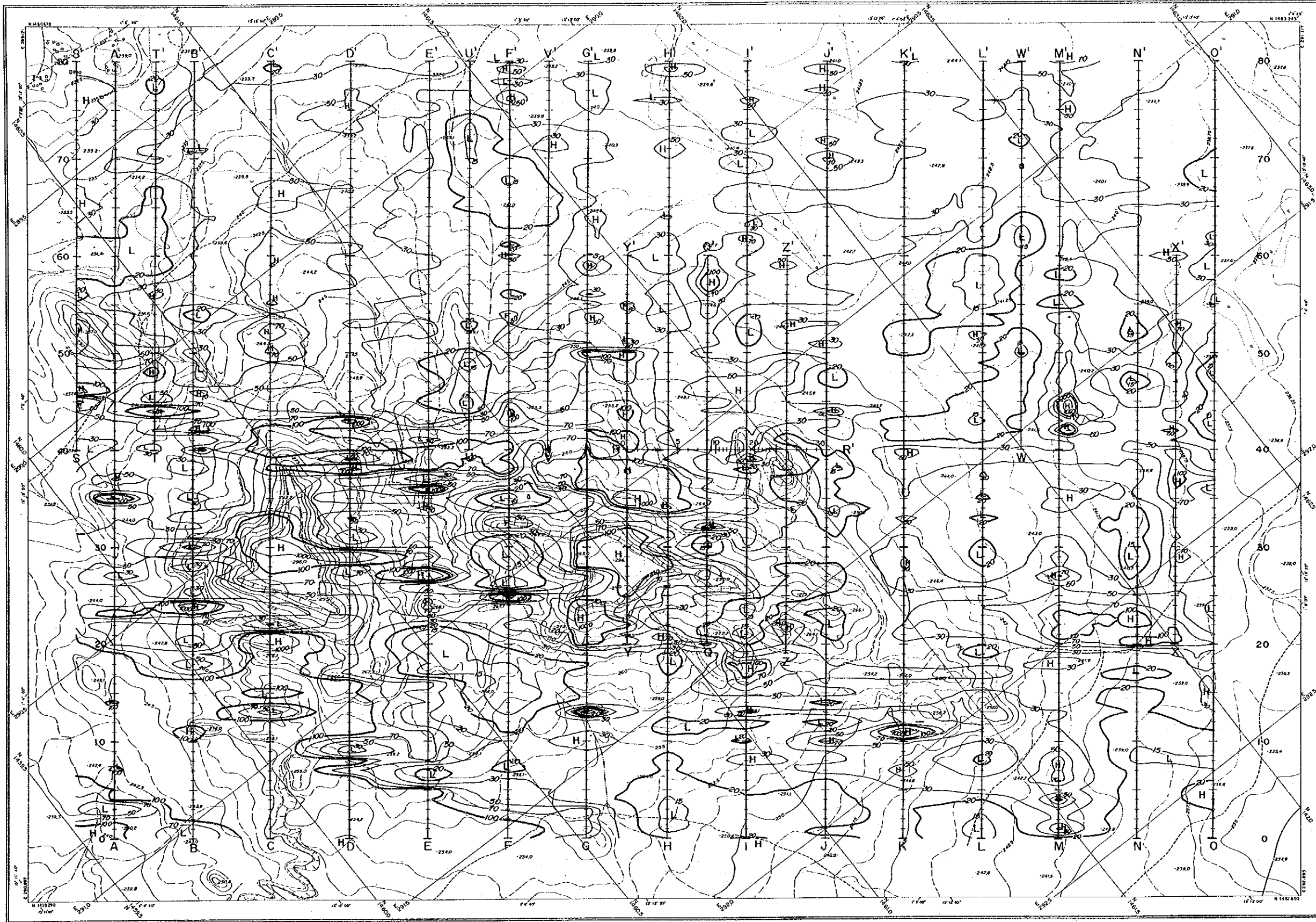
Numero de échantillon	Description de roche	Résistivité (Ω.m)	Densité (g/cc)	Remarque
EM-1	Schiste brun altéré	380	2.15	Perpendiculaire à schistosité Parallèle à schistosité
EM-2	Veine de quartz	75.8	2.46	
EM-3	Schiste altérée avec veinules de quartz	9,590	1.34	
EM-4	Schiste brun rougeâtre altéré	86.7	2.14	Perpendiculaire à schistosité Parallèle à schistosité
EM-5	Andésite brun altérée	27.9	2.01	
EM-6	Latérite brune rougeâtre avec bréchiq	183	2.56	
EM-7	Schiste brun rougeâtre avec veinules de quartz	407	2.52	Perpendiculaire à schistosité Parallèle à schistosité
EM-8	Latérite brune avec bréchiq	7,920	2.24	
EM-9	Andésite brune rougeâtre	1,320	2.03	
EM-10	Veine de quartz blanc	144	2.35	
EM-11	Veine de quartz brun clair	157,000	2.44	
EM-12	Schiste gris, fortement altéré, schistosité faible	3,670	1.69	
EM-13	Andésite noire, fortement silicifiée	30.9	2.64	
EM-14	Andésite verte massive	31,400	2.85	
EM-15	Veine de quartz gris sombre	467,000	2.56	
EM-16	Andésite verte massive	36,700	2.69	
EM-17	Veine de quartz gris	395,000	2.51	
EM-18	Latérite brune rougeâtre avec bréchiq de veine	79,800	2.26	
EM-19	Plagiortholite brune claire, artérée	2,380	2.26	
EM-20	Plagiortholite brune claire, argilisée	3,501	1.37	Effitement dans l'eau
DGR-1	Plagiortholite argilisée	14.2	1.80	MJNL-1(Prof. 6.7m) Carotte
DGR-2	Plagiortholite argilisation faible	63,800	2.63	" (" 45.1m) "
DGR-3	Plagiortholite silification faible	1,270	2.56	" (" 60.6m) "
DGR-4	Plagiortholite porphyrique massive dure	87,500	2.66	" (" 84.5m) "
DGR-5	Plagiortholite porphyrique massive dure	50,000	2.66	" (" 126.5m) "
SGR-1	Tuf vert sombre	73,300	2.90	Séfa Nangué MJNL-2(Prof. 133m) "
SGR-2	schiste ardoiser	17,900	2.82	" (" 51m) "
SGR-3	Tuf lapilli	86,300	2.80	" MJNL-3(" 72m) "

DEBA

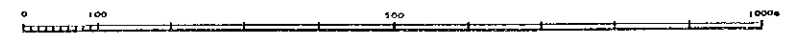


Apc.29 Carte des lignes de mesure et des points de mesure

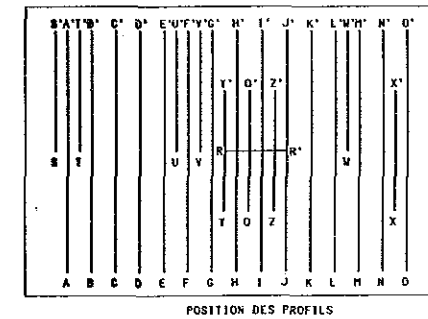
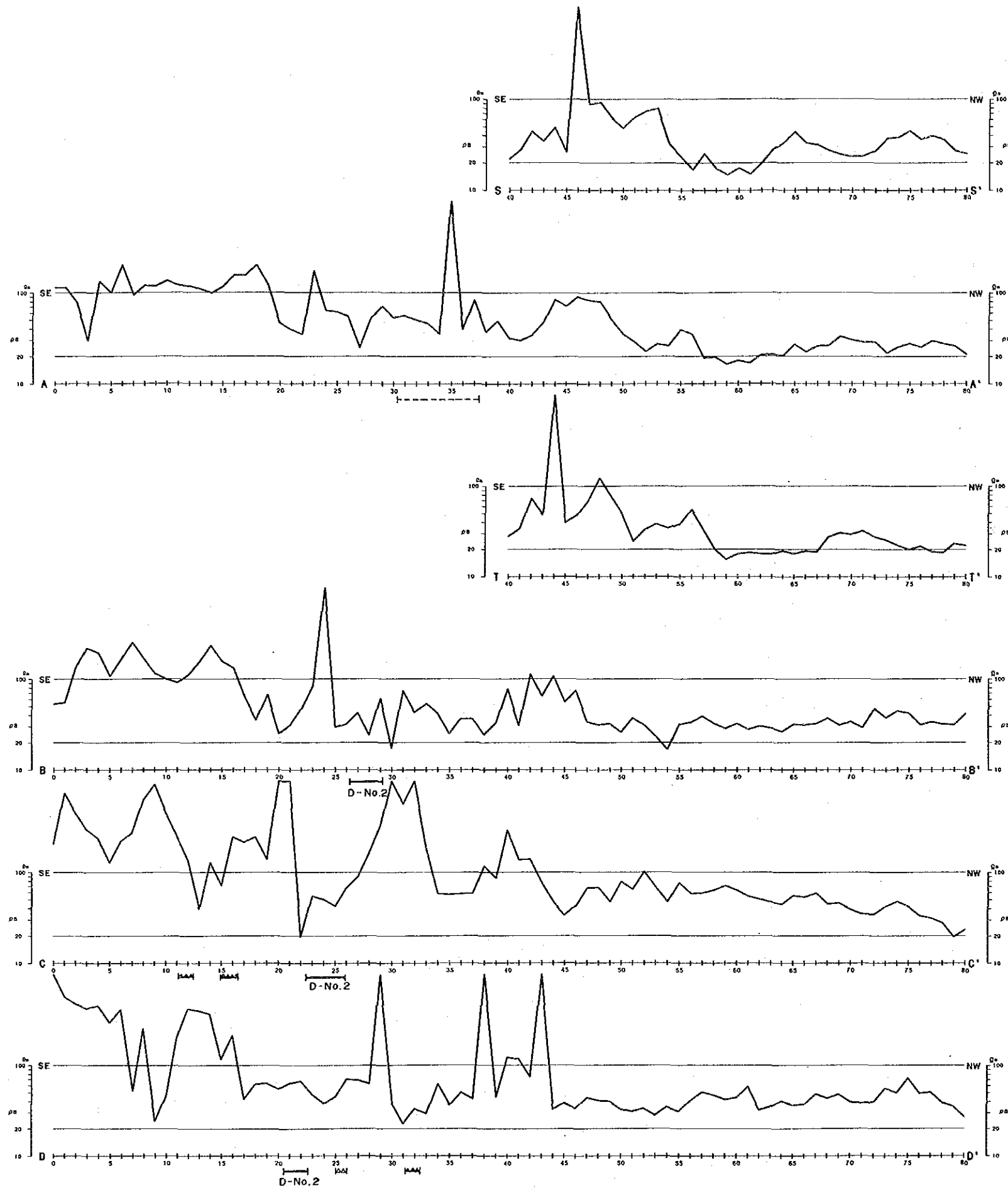
DEBA



- Anomalie resistente
- Anomalie conducteur
- Contour de resistivité apparente
- Numero de station
 - Station
- Profil X
 - Nom de profil



Apc.30 Plan de contours: Resistivité apparentée

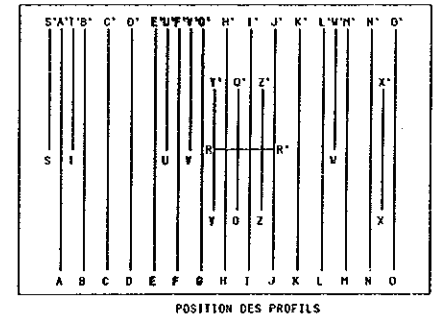
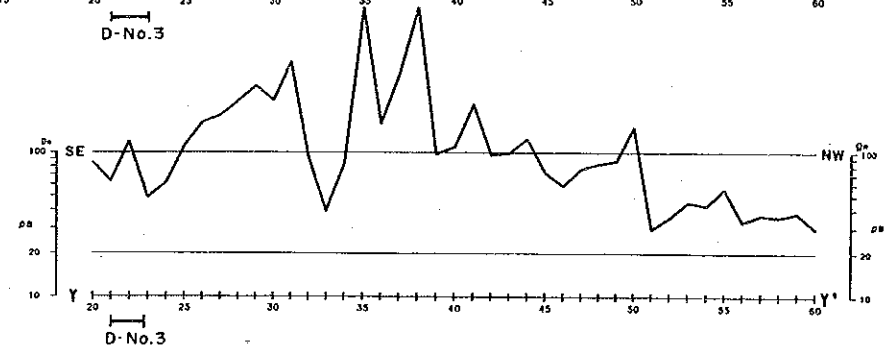
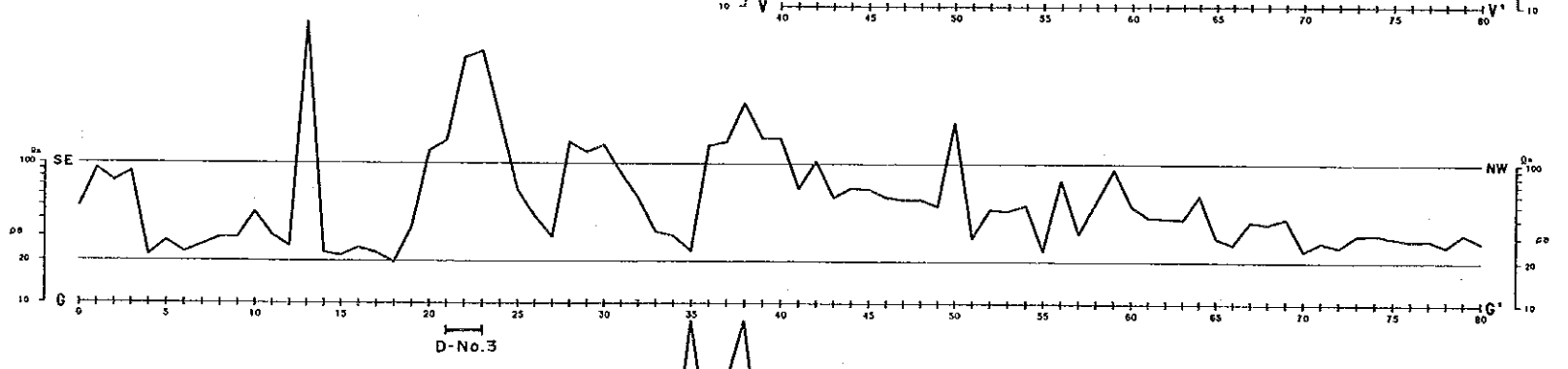
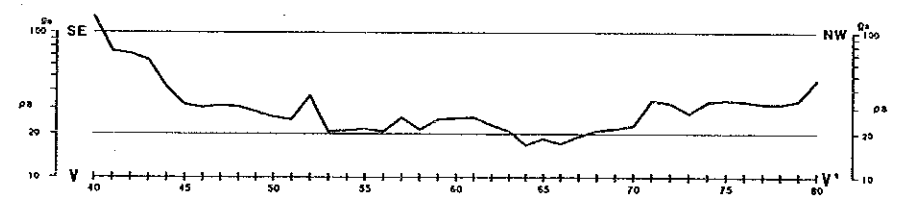
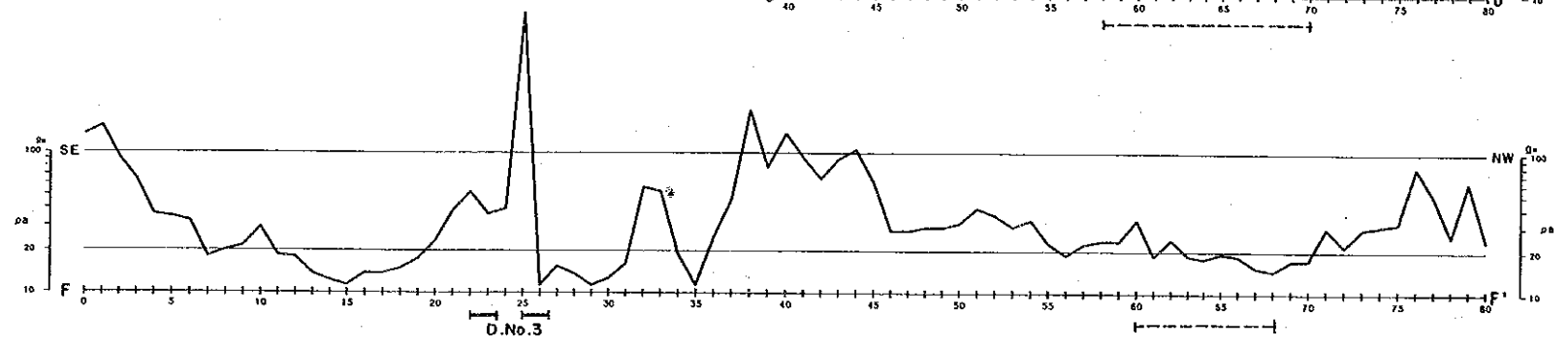
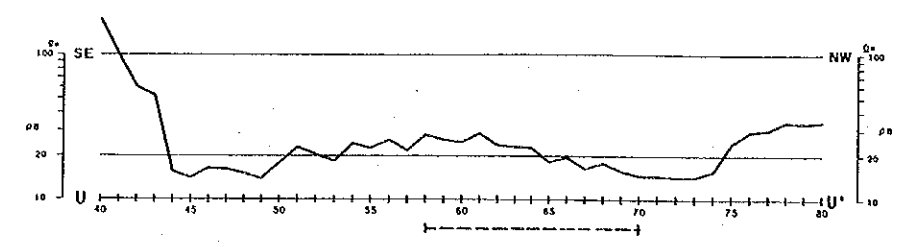
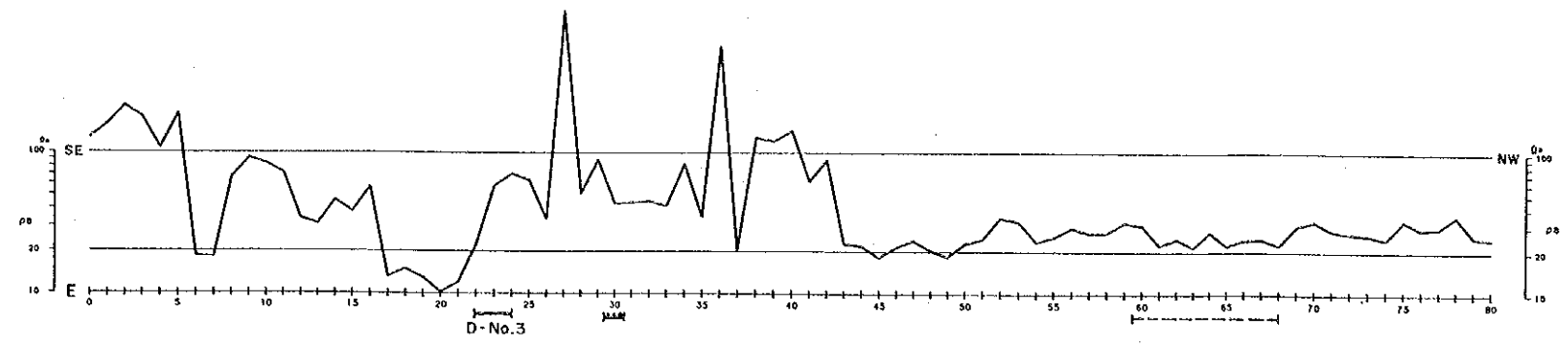


LEGENDES

COURBE DE LA RESISTIVITE APPARENTE

- FREQUENCE = 6.4 kHz.
INTERVALLE DES BOBINES = 10 m
- FREQUENCE = 1.6 kHz.
INTERVALLE DES BOBINES = 20 m
- - - FREQUENCE = 0.4 kHz.
INTERVALLE DES BOBINES = 40 m

Apc.31 Section de resistivité apparentée le long des ligne A,B,C,D,S et T

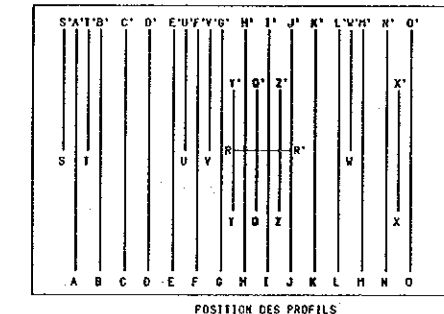
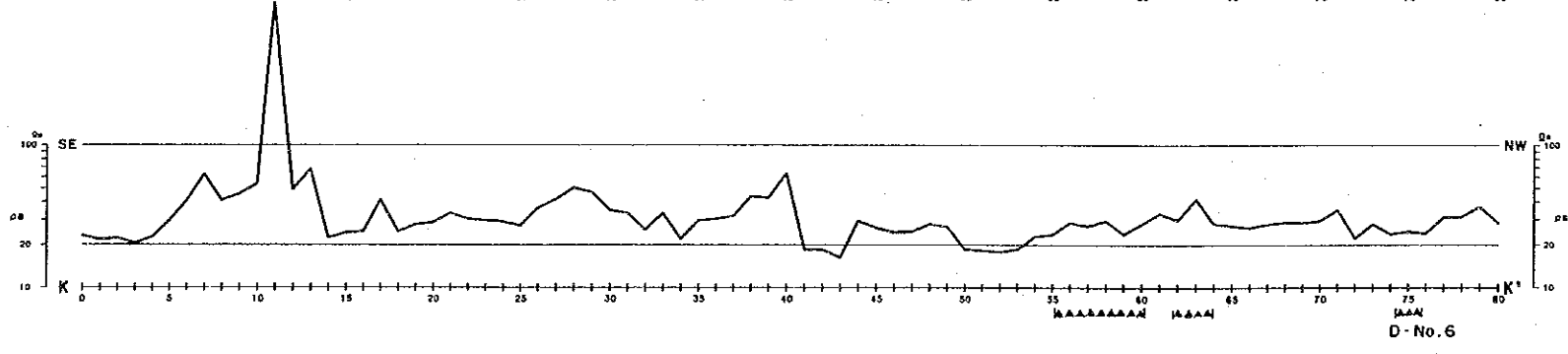
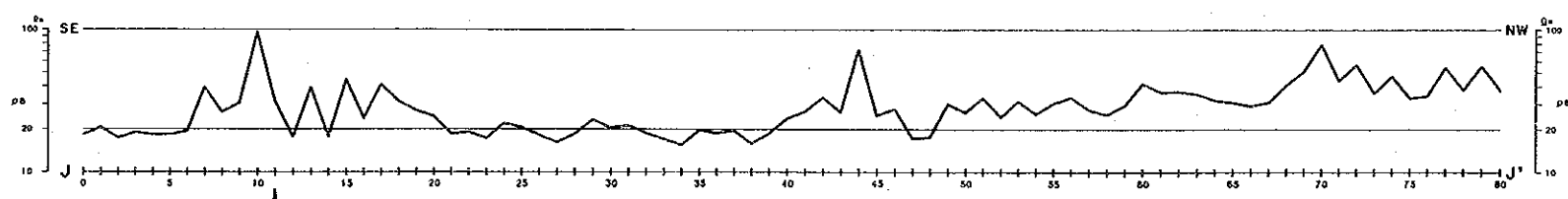
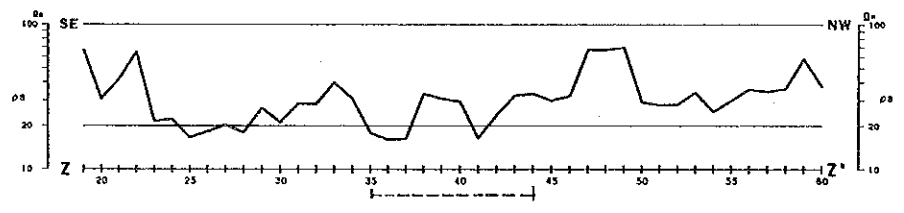
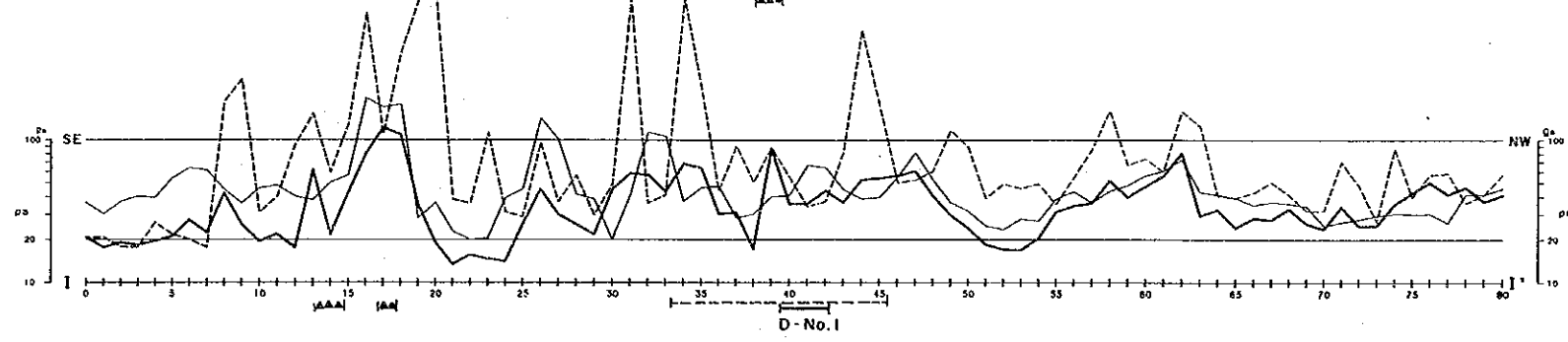
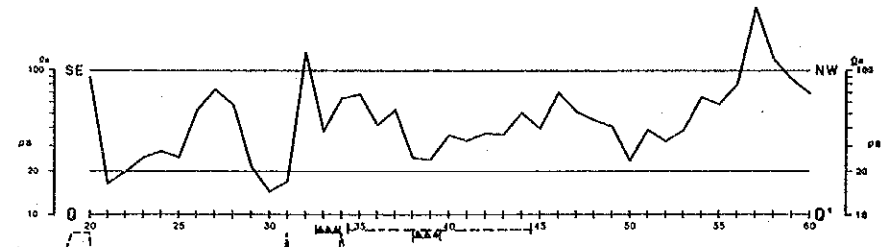
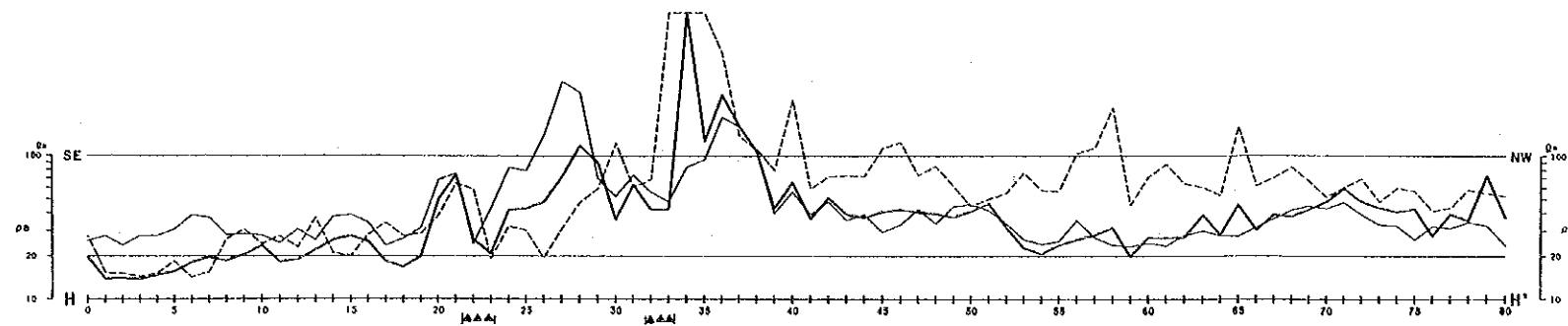


LEGENDES

COURBE DE LA RESISTIVITE APPARENTE

- FREQUENCE = 6.4 kHz.
INTERVALLE DES BOBINES = 10 m.
- FREQUENCE = 1.6 kHz.
INTERVALLE DES BOBINES = 20 m.
- FREQUENCE = 0.4 kHz.
INTERVALLE DES BOBINES = 40 m.

Apc.32 Section de resistivité apparentée le long des ligne E,F,G,U,V et Y
A-125



LEGENDES

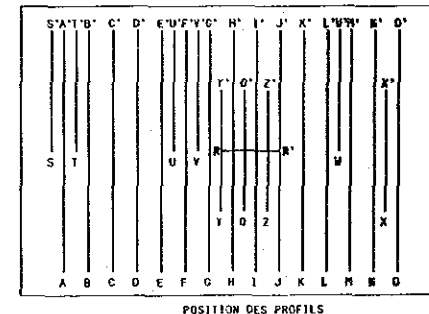
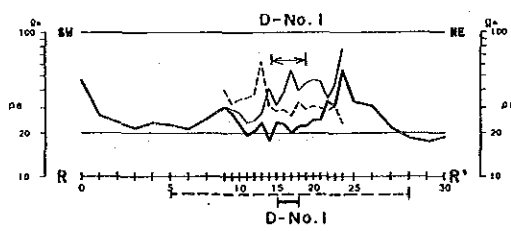
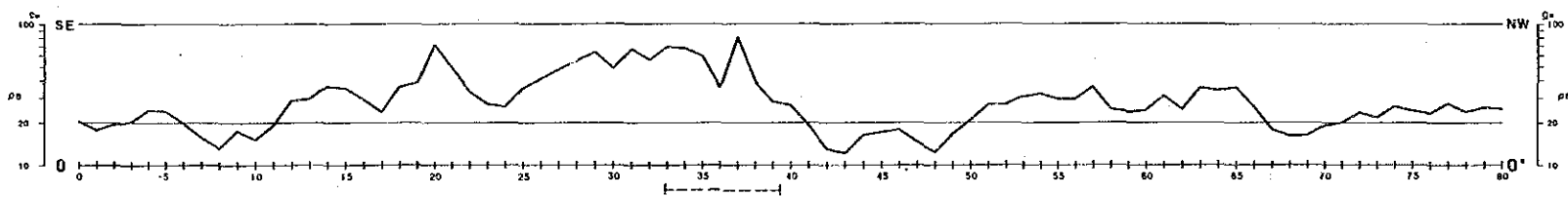
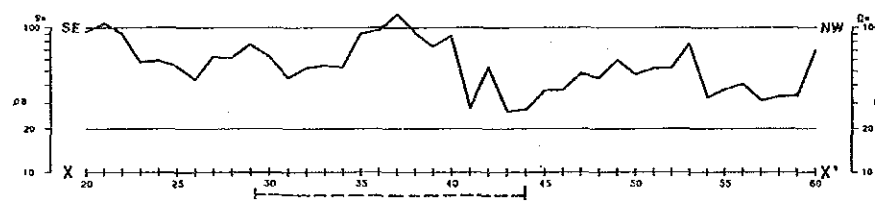
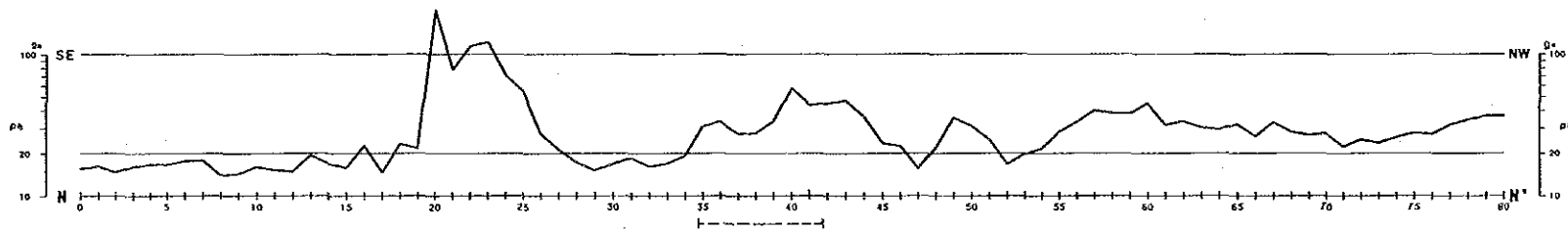
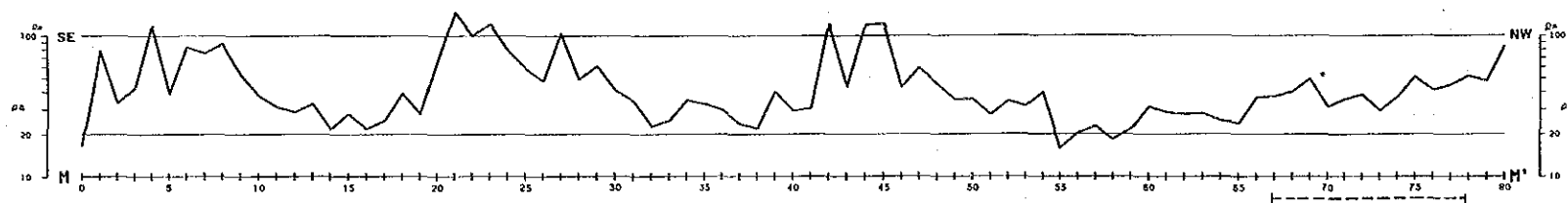
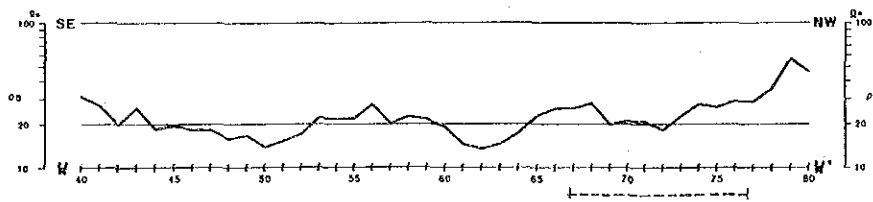
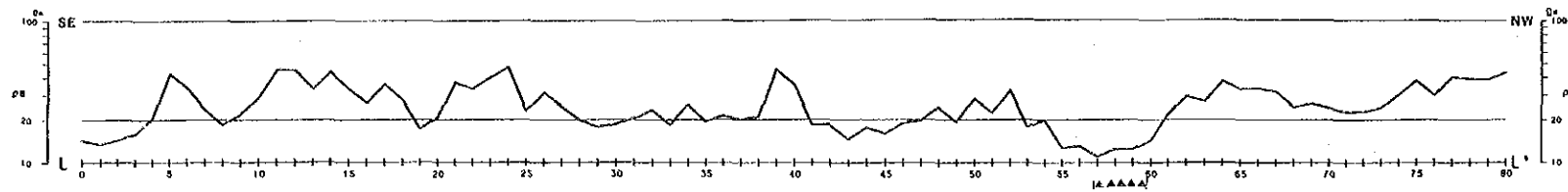
COURBE DE LA RESISTIVITE APPARENTE

— FREQUENCE = 5.4 Hz.
INTERVALLE DES BOBINES = 10 m

- - - FREQUENCE = 1.6 Hz.
INTERVALLE DES BOBINES = 20 m

... FREQUENCE = 0.4 Hz.
INTERVALLE DES BOBINES = 40 m

Apc.33 Section de resistivité apparentée le long des ligne H,I,J,K,Q et Z
A-127



LEGÈNDES

COURBE DE LA RESISTIVITE APPARENTE

— FREQUENCE = 6.4 kHz.
INTERVALLE DES BOBINES = 10 m

— FREQUENCE = 1.6 kHz.
INTERVALLE DES BOBINES = 20 m

--- FREQUENCE = 0.4 kHz.
INTERVALLE DES BOBINES = 40 m

Apc.34 Section de resistivité apparentée le long des ligne L,M,N,O,R,W et X
A-129

ApC.35 Des résultats de sondage

Item/Numéro de trou	Mobilisation	MINI-1	MINI-2	MINI-3	MINI-4	MINI-5	MINI-5	MINI-6	MINI-7	MINI-8	MINI-9	Démobilisation	Total
Eléments de Sondage													
Longueur de trou (m)		151.0	153.8	153.5	150.5	150.4	150.7	150.7	150.3	152.3	150.5		1.363
Longueur de carotte (m)		145.5	135.7	146.0	137.9	143.8	146.6	140.4	140.45	140.4	147.8		1.284.15
Récupération de carotte (%)		96	88	95	92	96	97	92	93	92	98		94
Profondeur sondée par HQ (m)		151	153.8	152.5	150.5	150.4	150.7	150.7	150.3	152.3	150.5		1.363
Profondeur sondée par NQ (m)		33	27	27	24	3.0	27	24	30	24	3.0		198
Longueur d'enveloppe de HQ (m)		I-38	I-38	I-38	I-38	I-38	I-38	I-38	I-38	I-38	I-38		
Sonde													
Periode des travaux													
Periode de travail	11.25-12.3	12.4-12.17	12.18-1.21	1.15-1.21	2.4-2.10	2.11-2.18	1.8-1.14	1.22-1.27	1.28-2.3	2.19-2.27	2.28-3.11		
Nombre de jours de travail	9	14	16	7	7	8	7	6	7	9	12		102
Nombre de jours de non-travail	0	0	0	0	0	0	0	0	0	0	0		0
Total des jours	9	14	16	7	7	8	7	6	7	9	12		102
Installation		3	3	1	1	1	1	0.5	1	1	1		12.5
Forage (équipe)		8(18)	11(19)	5(15)	5(15)	6(15)	5(14)	4.5(15)	5(15)	7(13)	7(13)		56.5(139)
Démontage		3	1	1	1	1	1	1	1	1	1		11
Les autres		0	1	0	0	0	0	0	0	0	0		1
Total		14	16	7	7	8	7	6	7	9	9		81
Longueur de trou/Periode de travail (m/j)		10.8	9.6	22.0	21.5	18.8	21.5	25.1	21.8	21.8	16.7		
Longueur de trou/Periode de forage (m/j)		18.9	14.0	30.7	30.1	25.1	30.1	33.4	30.5	30.5	21.5		
Longueur de trou/Nombre des équipes (m/i)		8.4	8.1	10.2	10.0	10.0	10.8	10.0	10.2	10.2	11.5		
Heures des travaux													
Heure de forage		84.3	80	60	68	76	75	62	69	69	52		626.3
Chargement et déchargement des tuyaux (h)		83.7	93	60	52	60	37	58	51	51	30		524.7
Reparation		2	10	0	0	0	0	0	0	0	0		12
Sous-total		170	183	120	120	135	112	120	120	120	82		1.163
Installation		24	30	9	9	9	9	2	2	9	9		110
Démontage		20	9	9	9	9	9	9	9	9	9		92
Les autres													
Total		214	222	138	138	154	130	131	138	138	100		1.365
Longueur de trou/Heure de forage (m/h)		0.7	1.9	2.6	2.2	2.0	2.0	2.4	2.2	2.2	2.9		
Personnel													
Sondeur	27	42	48	21	21	24	21	18	18	15	18	24	279
Sondeur nigérien	27	42	48	21	21	24	21	18	18	15	18	24	288
Qvrier	80	80	90	42	42	48	42	36	36	30	27	24	565
Pompier	20	26	32	14	14	16	14	12	12	14	18	16	188
Gardien	5	28	64	28	28	32	28	24	24	20	36	40	333
Qvrier pour accès	30	84	96	35	35	40	35	30	30	32	54	36	507
Total	189	304	378	161	161	184	161	138	138	126	207	151	2.160
Total des personnes/Longueur de trous (n/m)		2.0	2.5	1.0	1.1	1.2	1.1	0.9	0.8	0.8	1.4		

Apç.36 Représentation graphique des opérations

	1990 Novembre	1990 Décembre	1991 Janvier	1991 Février	1991 Mars
Mobilisation Tokyo-Niamey-Déba	21-25				
Préparation	26-6				
MJNL-1 151.0m	7-14				
MJNL-2 153.8m		21---1			
MJNL-6 150.7m		9-13			
MJNL-3 153.5m		16-20			
MJNL-7 150.3m		22-26			
MJNL-8 152.3m		29-2			
MJNL-4 150.5m			5-9		
MJNL-5 150.4m			12-17		
MJNL-9 150.5m			20-26		
Démontage				27--12	
Démobilisation Déba-Niamey-Tokyo					13--23

Apç.37 Des sondes et des accessoires

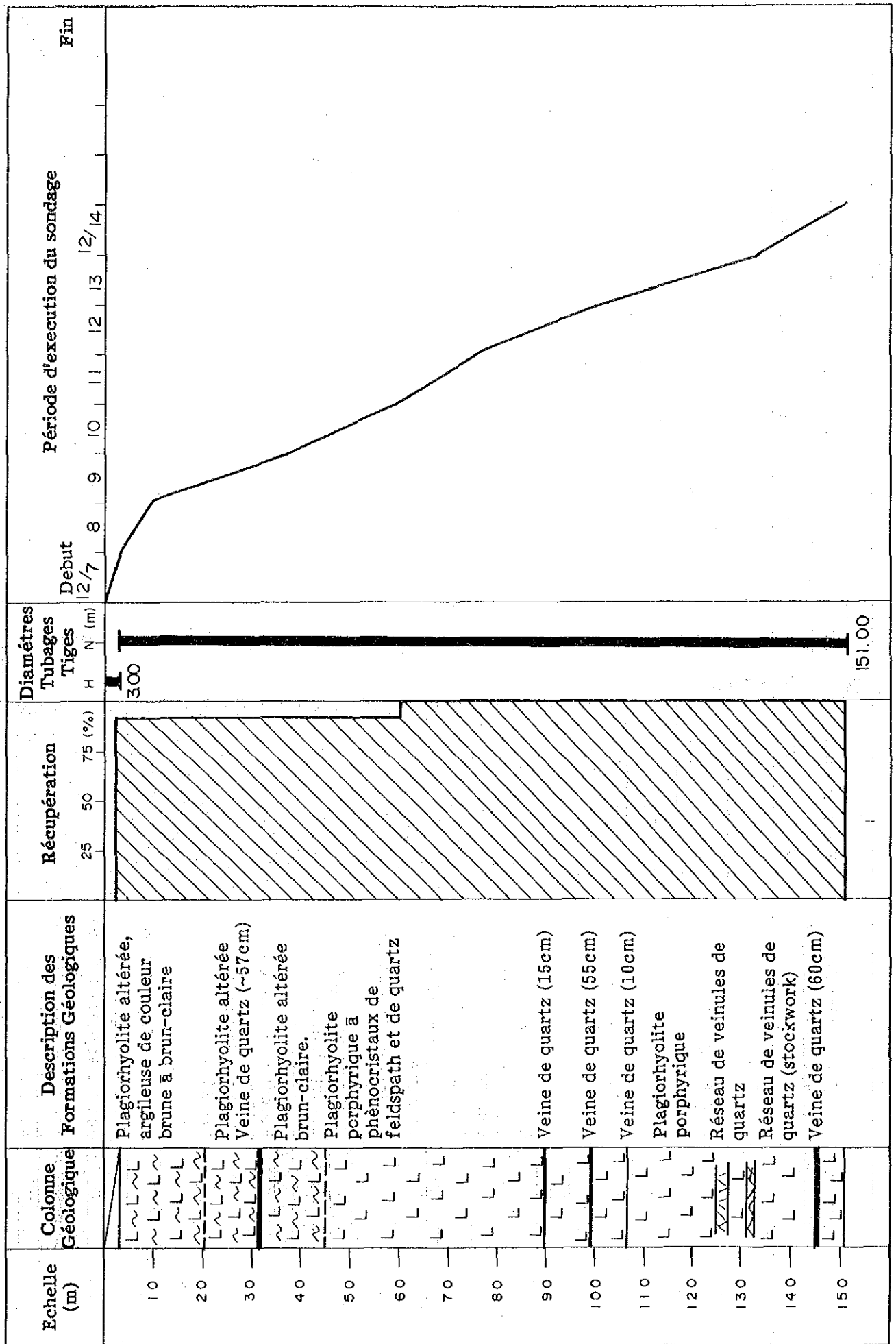
Article	Modèle	Spécification	Quantité
Sonde	L-38 (Longyear)	Capacité: NQWL 560m Diamètre intérieur d'axe: 98mm Vitesse d'axe: 172, 357,653, 1,100rpm Poids: 1450	1 jeu
Moteur	L-38 (Longyear)	Moteur électrique Force motrice: 22kw Force liée: 48p.s	1 jeu
Pompe	MG-15th (KOKEN)	Type: 2 piston Capacité(max): 130/min Pression(max): 40kg/cm	1 jeu
Moteur	MG-15th (KOKEN)	Moteur électrique Force motrice: 11kw Force liée: 20p.s	1 jeu
Pompe d'alimenta- tion	MS1503 (YANMAR)	Type: 2piston Capacité(max): 80/min Pression(max): 40kg/cm	1 jeu
Moteur	NFO13EK (YANMAR PIESEL)	Moteur diesel Rotation: 3,000 rpm Force liée: 13.5p.s	1 jeu
Treuil de fil métallique	FOR L-38	Attaché à la sonde: 300m	1 jeu
Tour de forage	HRS-6	Tour structuré de tuyau	1 jeu
Générateur	DCA-60SS (DENYO)	Moteur Diesel: 60kva	1 jeu
Tuyau	WL rod	NQWL 3m HQWL 3m	70 pcs. 30 pcs.
Réservoir d'eau		2m	4 sets
Tuyau d'alimentation		19mm tuyau polyvinylique	4,000 m

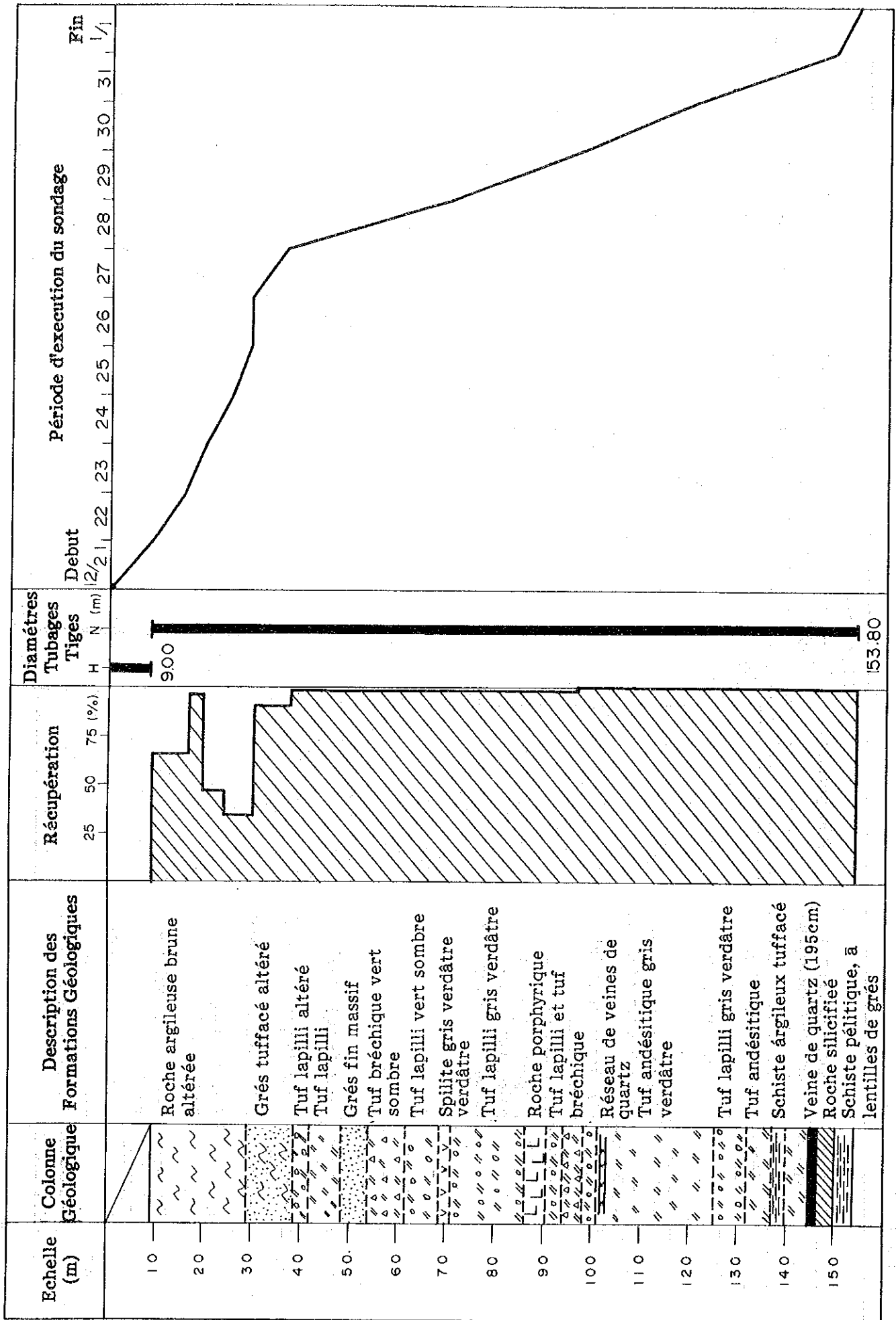
Apc.38 Tableau de consommation des matieress consommptives
(diamant ets.)

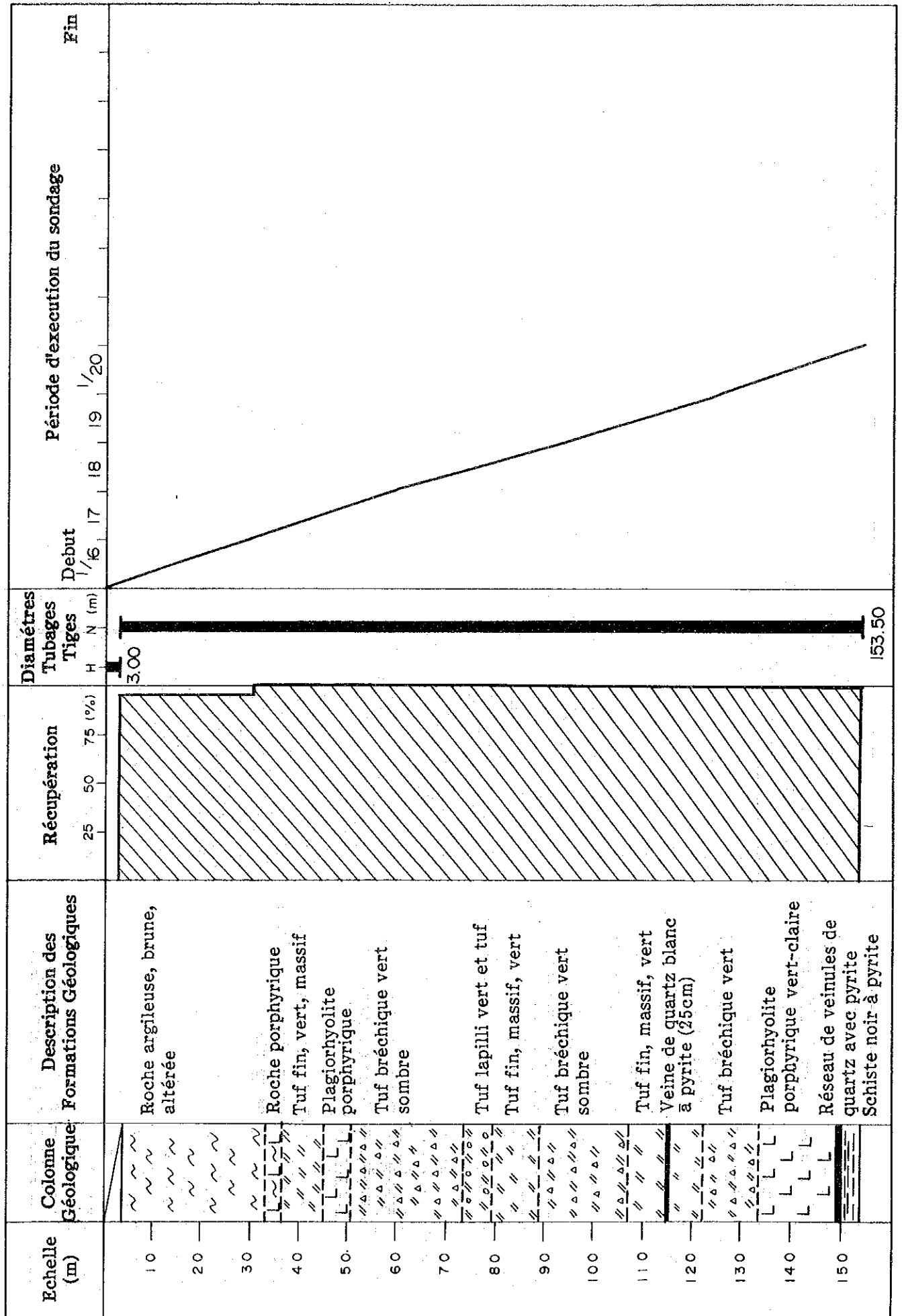
Article	Unité	MJNL									Total
		-1	-2	-3	-4	-5	-6	-7	-8	-9	
Dent de diamant(NQ)	Pcs	5	6	5	5	4	2	6	5	5	43
Cosse de diamant(NQ)	Pcs	1	1	1	1	1	1	1	1	1	9
Dent pour enveloppe(HQ)	Pcs					1				1	2
Elévateur de carotte (NQ)	Pcs	4	6	6	6	6	5	6	6	6	51
Elévateur de carotte case (NQ)	Pcs	2	2	2	3	2	2	3	3	2	21
Boîte de carotte	Pcs	22	20	22	21	22	22	21	19	23	192
Huile de coupe	Pcs	9	27	30	26	30	25	45	30	27	249
Huile de diesel	l	95	110	95	110	100	105	95	85	90	885
Huile turbine	l	3	5	4	2	5	4	5	5	4	37
Huile à graisser	l	6	3	5	8	4	5	5	6	5	47
Graisse	Kg	1	2	1	1.5	2.5	1	1	1.5	1	12.5

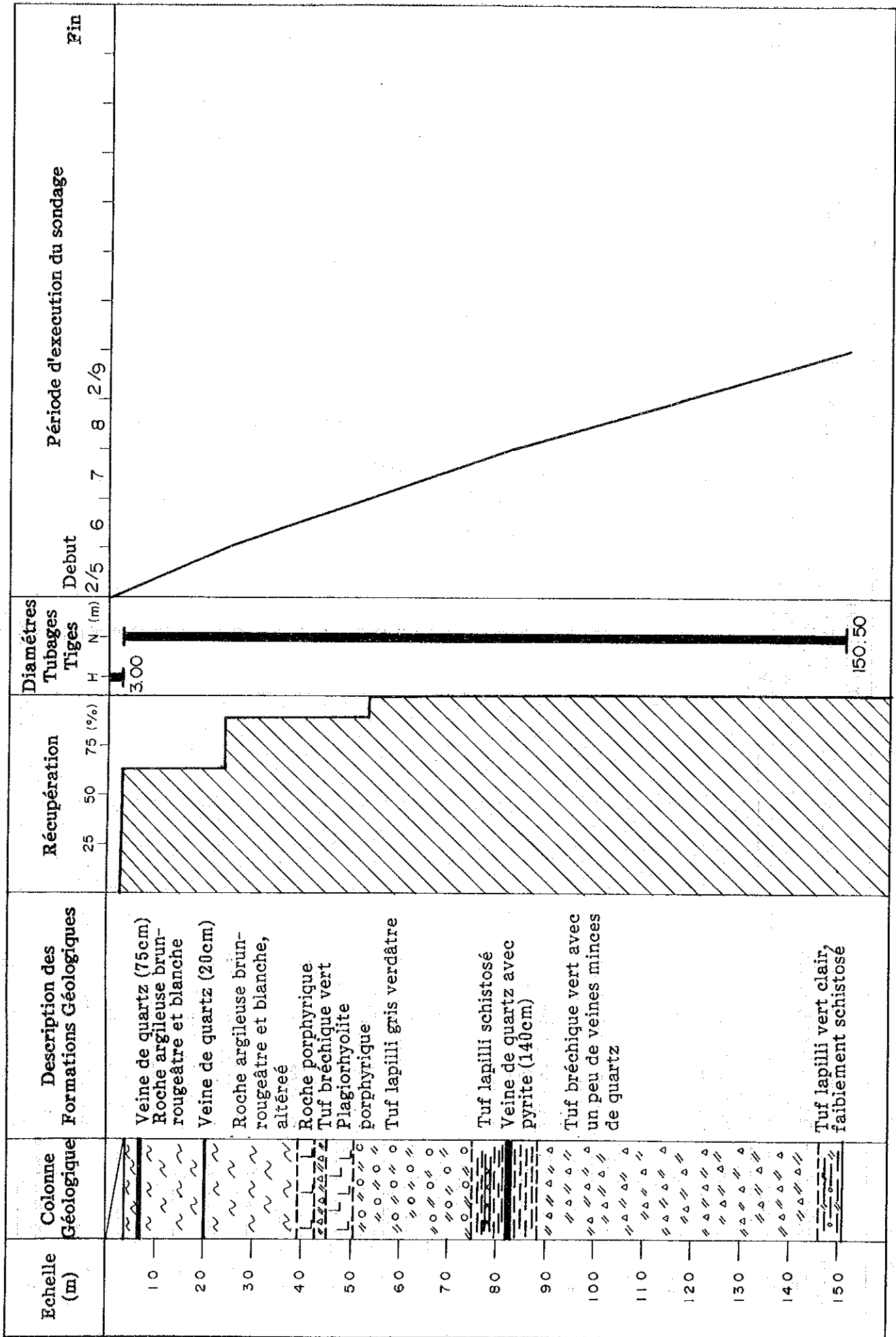
Apc.39 Avancement de sondage

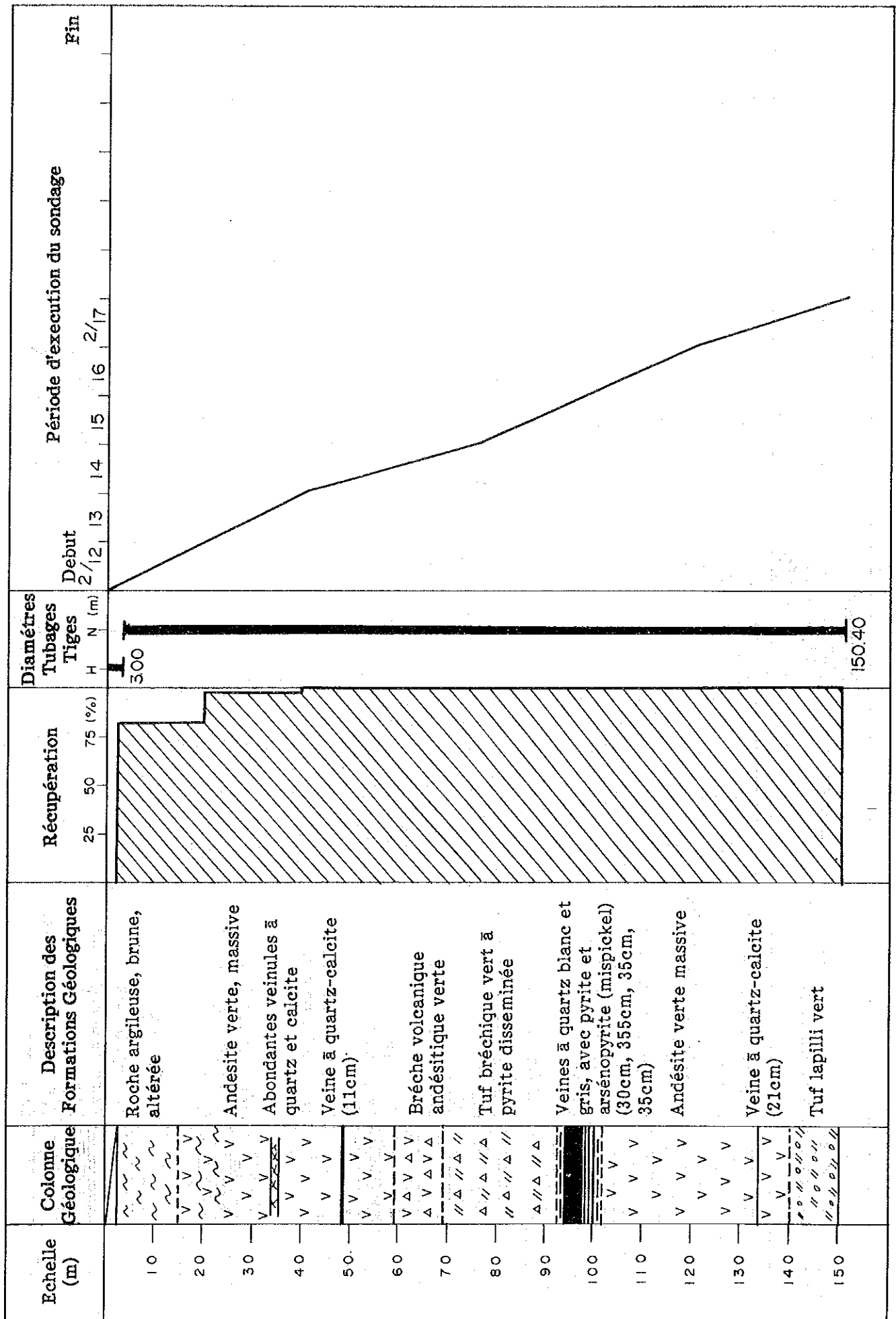
M J N L - 1

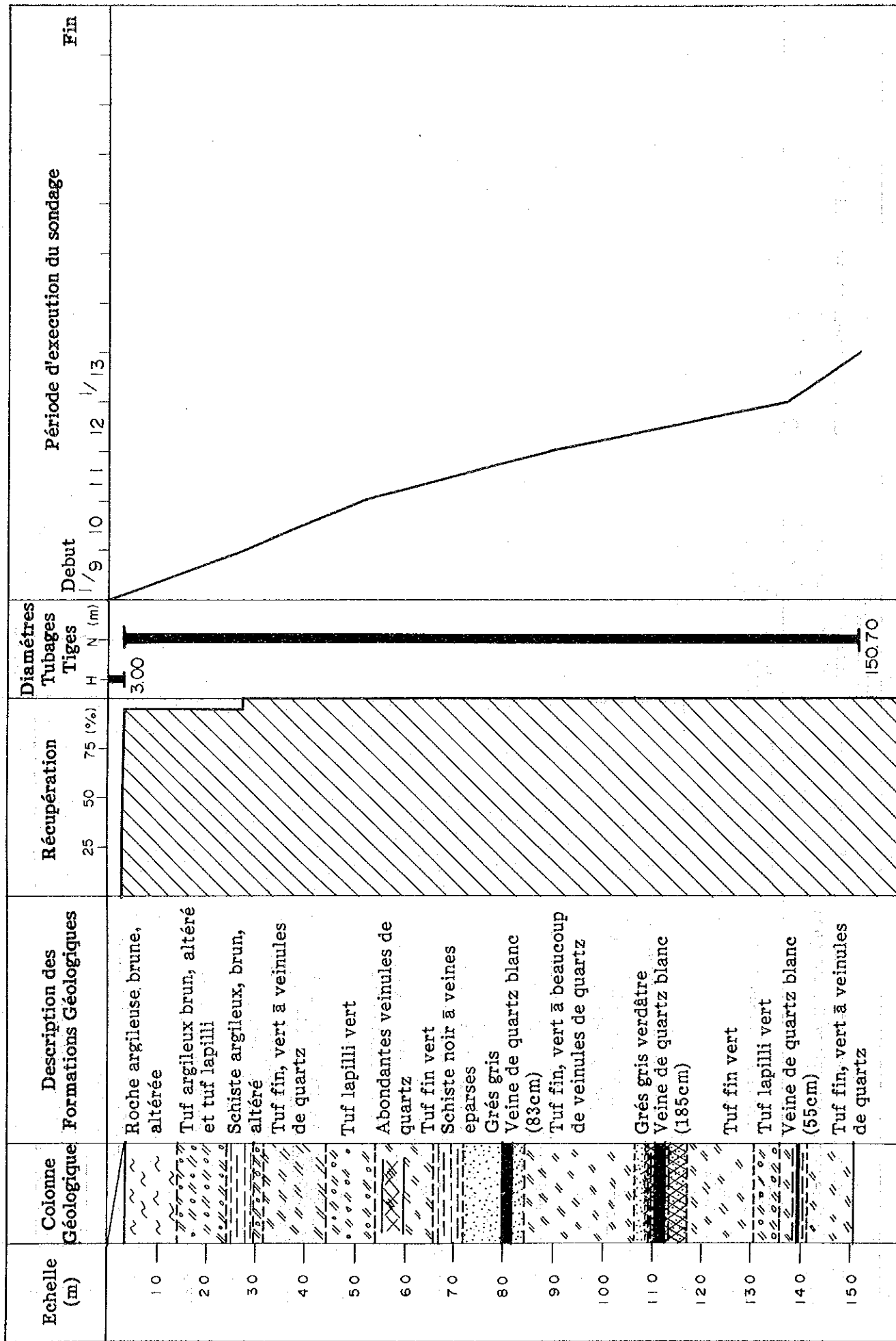


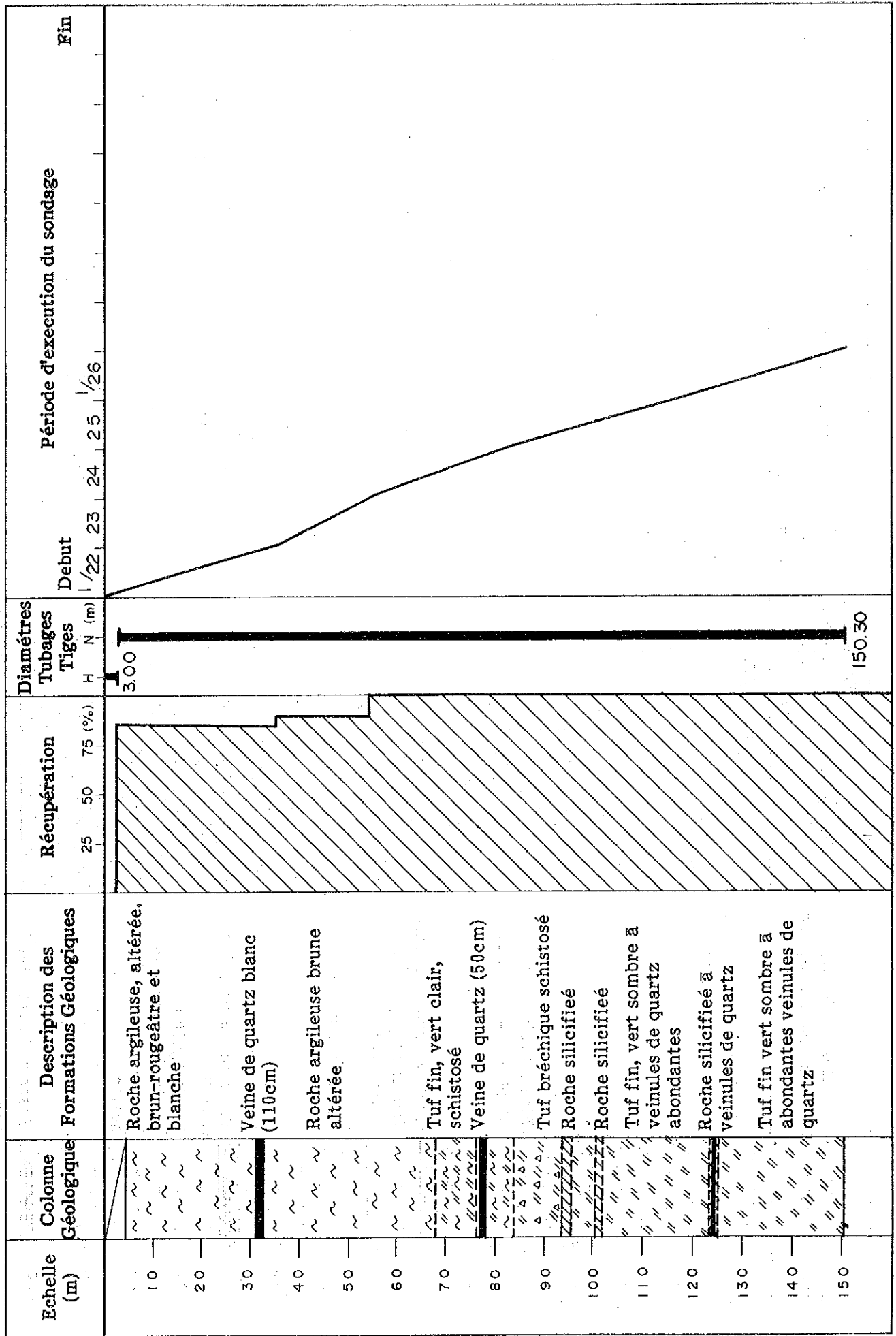


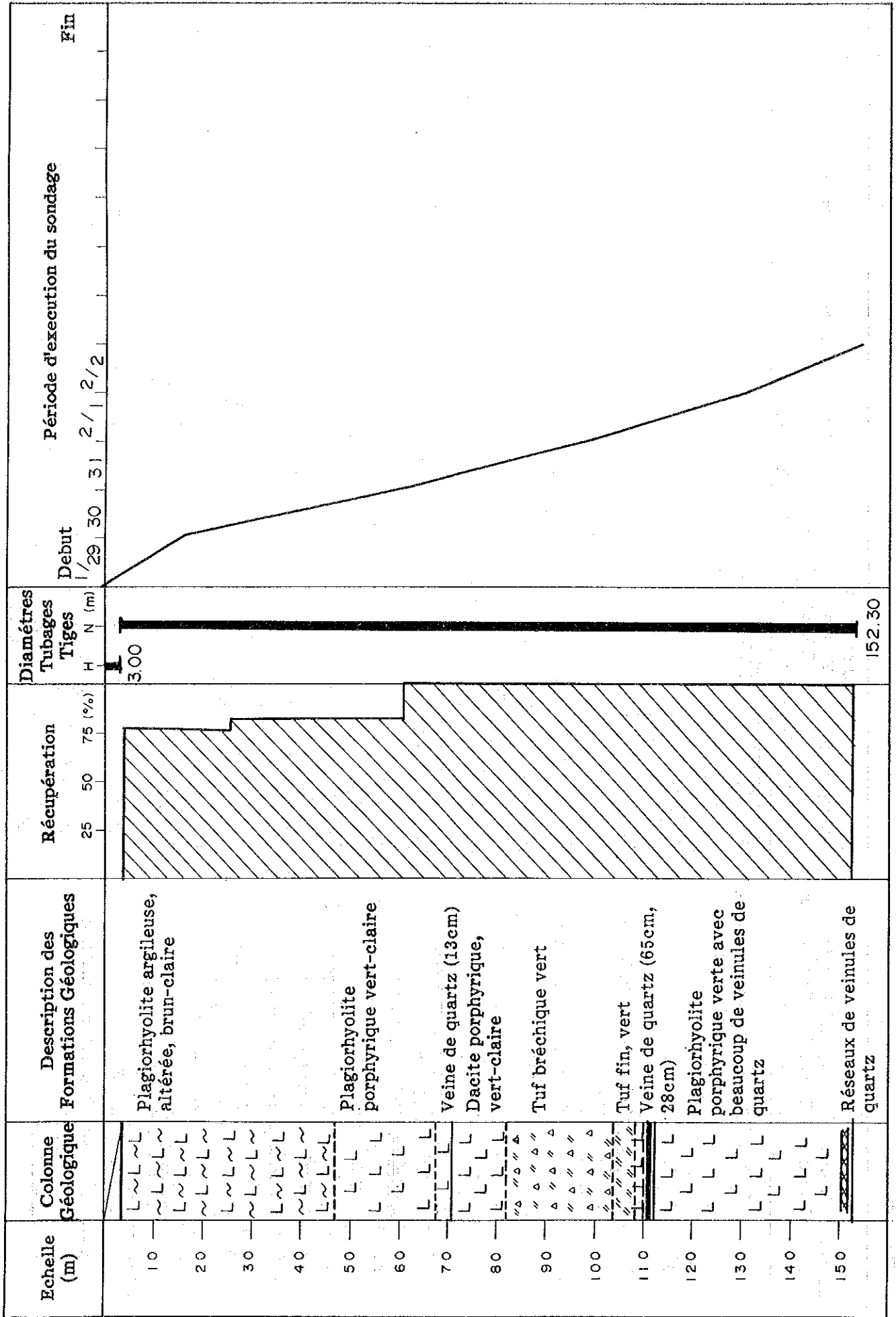


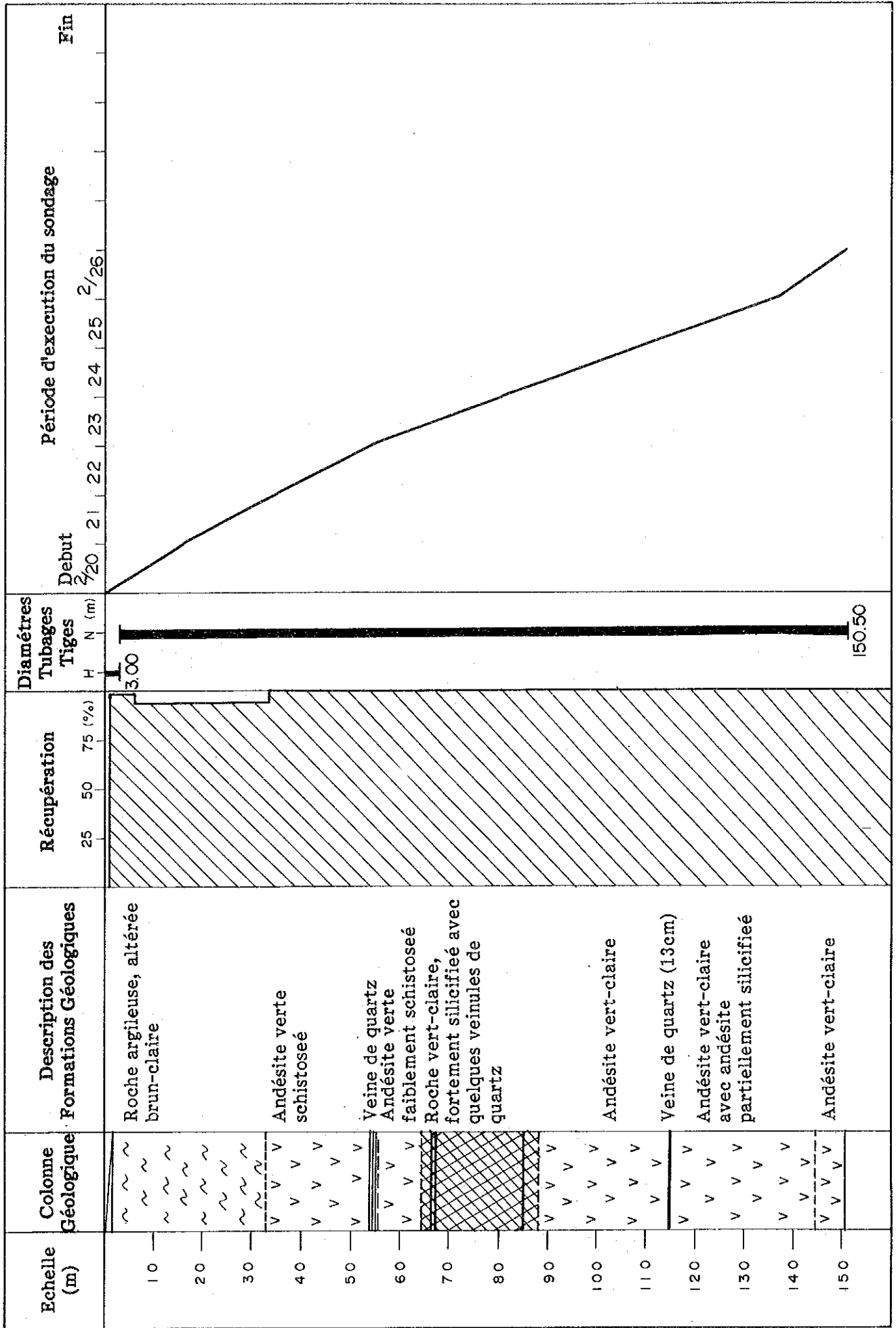




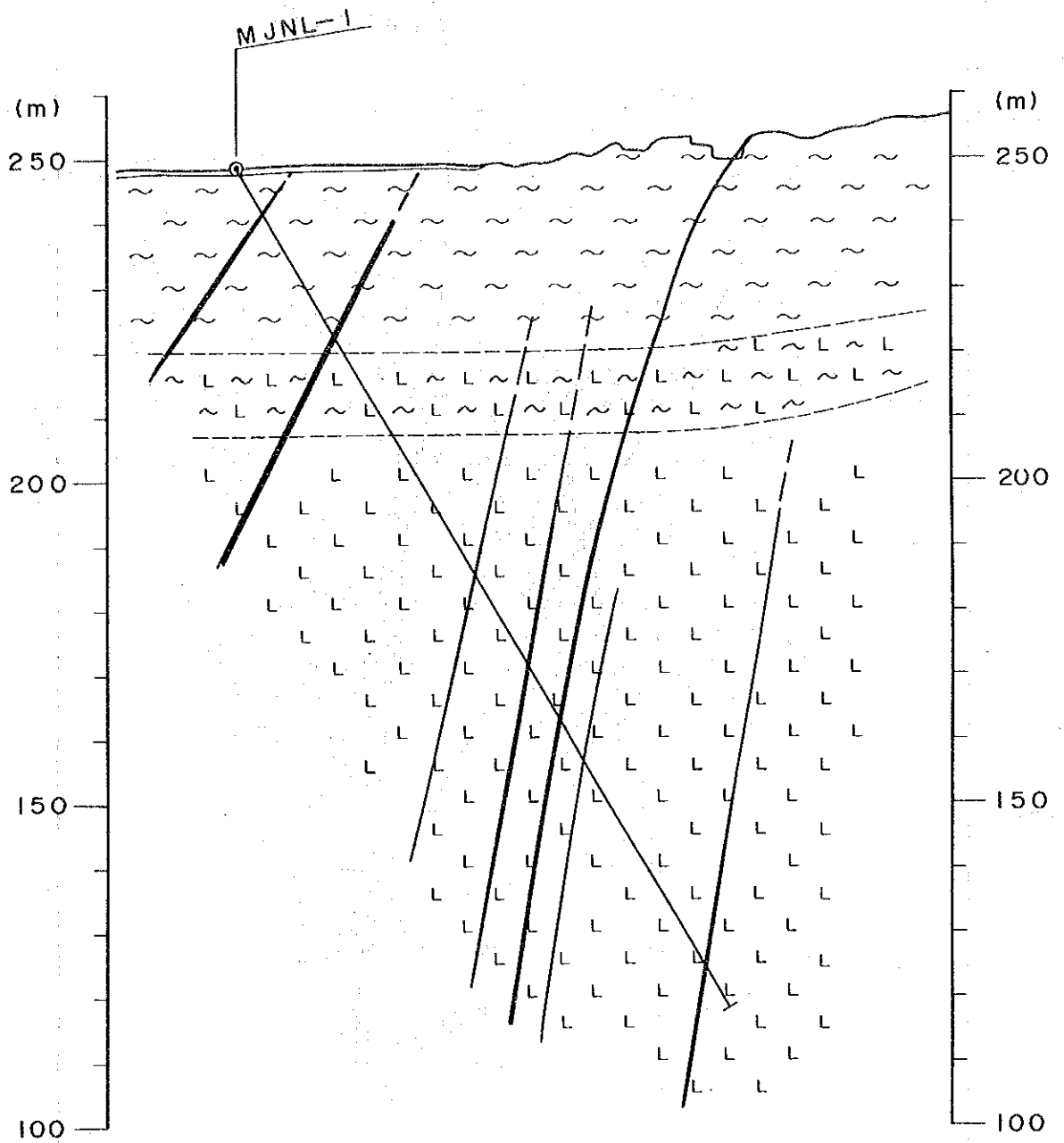








Apc.40 Coupe géologique du trou de sondage
MJNL-1 (Déba) et
MJNL-2~9 (Séfa Nangue)

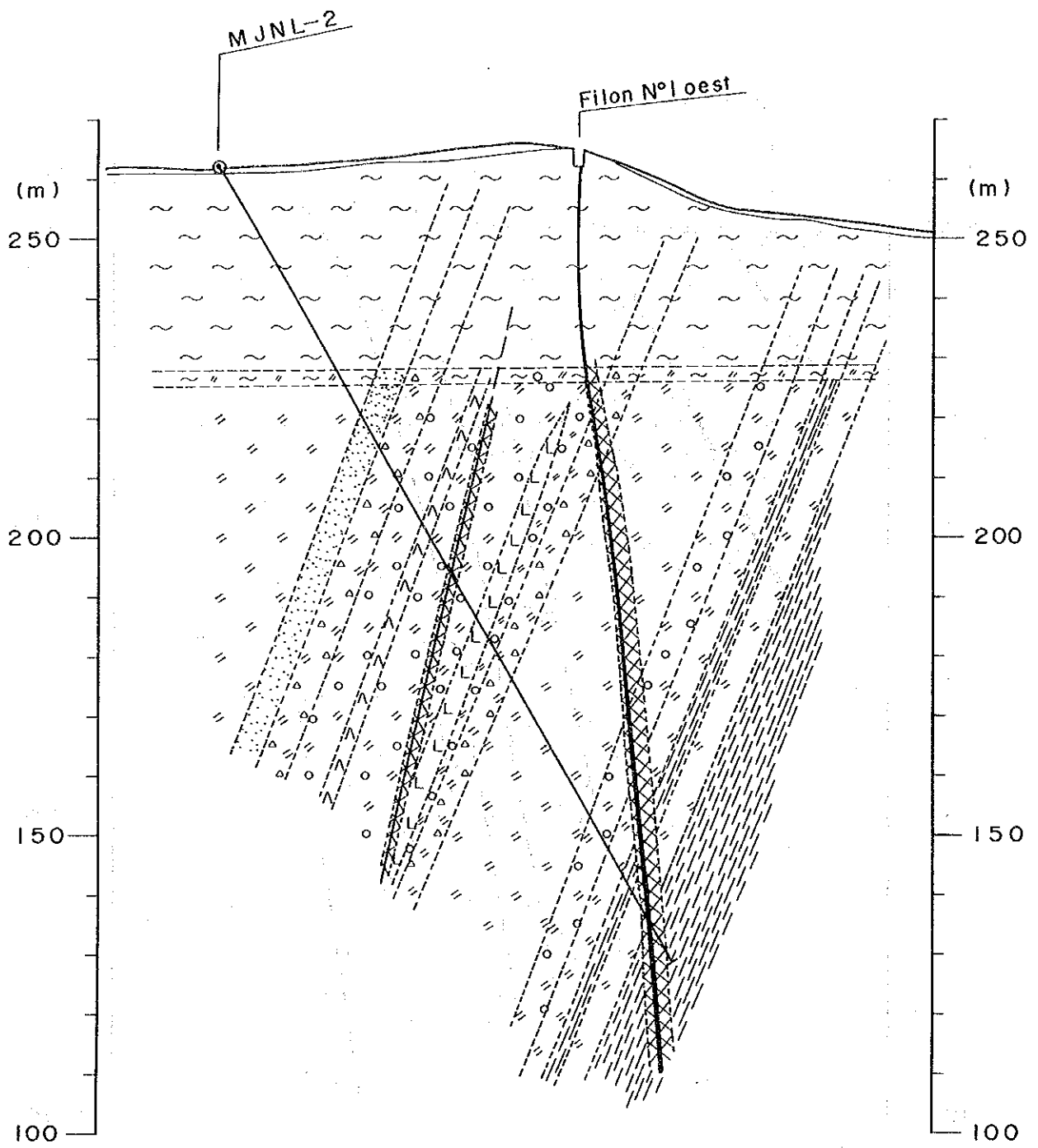


MJNL - 1

Altitude: 248.8m, Profondeur: 151.00m

Direction: NE 70°, Angle: -60°

Apc. 40 (1) Coupe géologique du trou de sondage MJNL-1 à la région de Déba

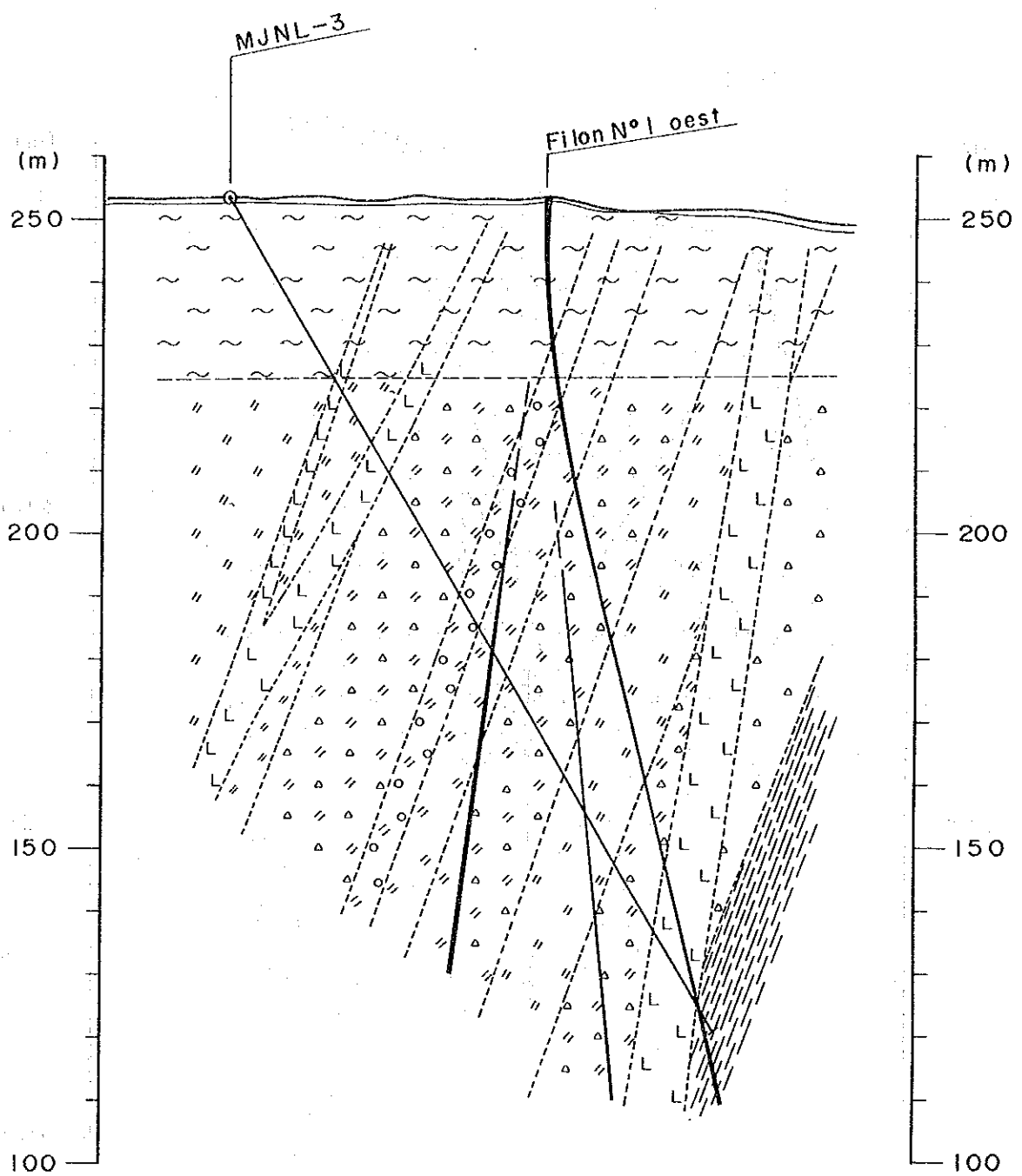


MJNL-2

Altitude: 261.6m, Profondeur: 153.80m

Direction: SW 20°, Angle: -60°

Apc. 40 (2) Coupe géologique du trou de sondage MJNL-2 à la région de Séfa Nangue.

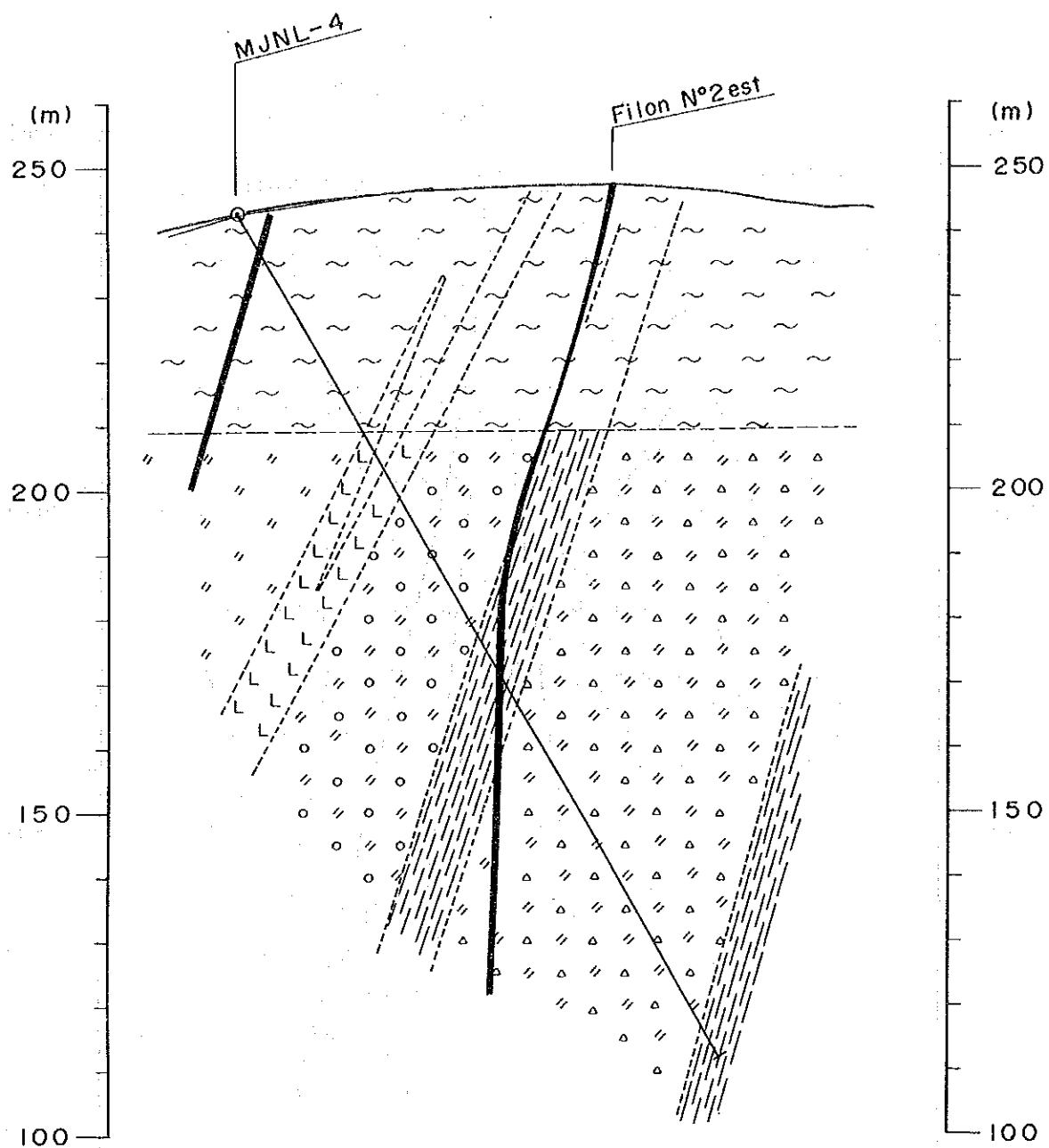


MJNL-3

Altitude: 252.7m, Profondeur: 153.50m

Direction: S, Angle: -60°

Apc. 40(3) Coupe géologique du trou de sondage MJNL-3 à la région de Séfa Nangue

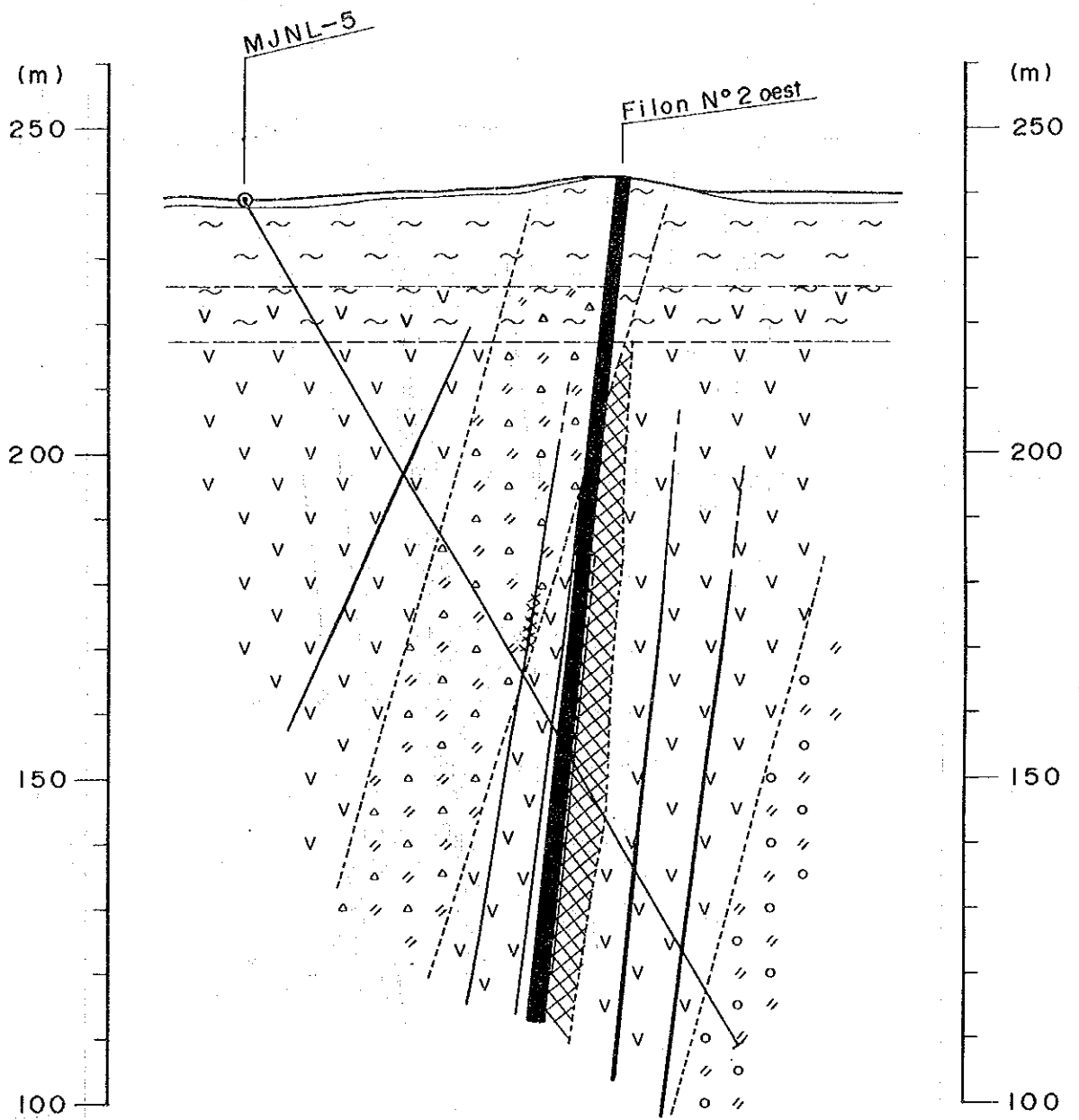


MJNL - 4

Altitude: 243.3m, Profondeur: 150.50m

Direction: SW 10°, Angle: -60°

Apc. 40 (4). Coupe géologique du trou de sondage MJNL.-4 à la région de Séfa Nangue

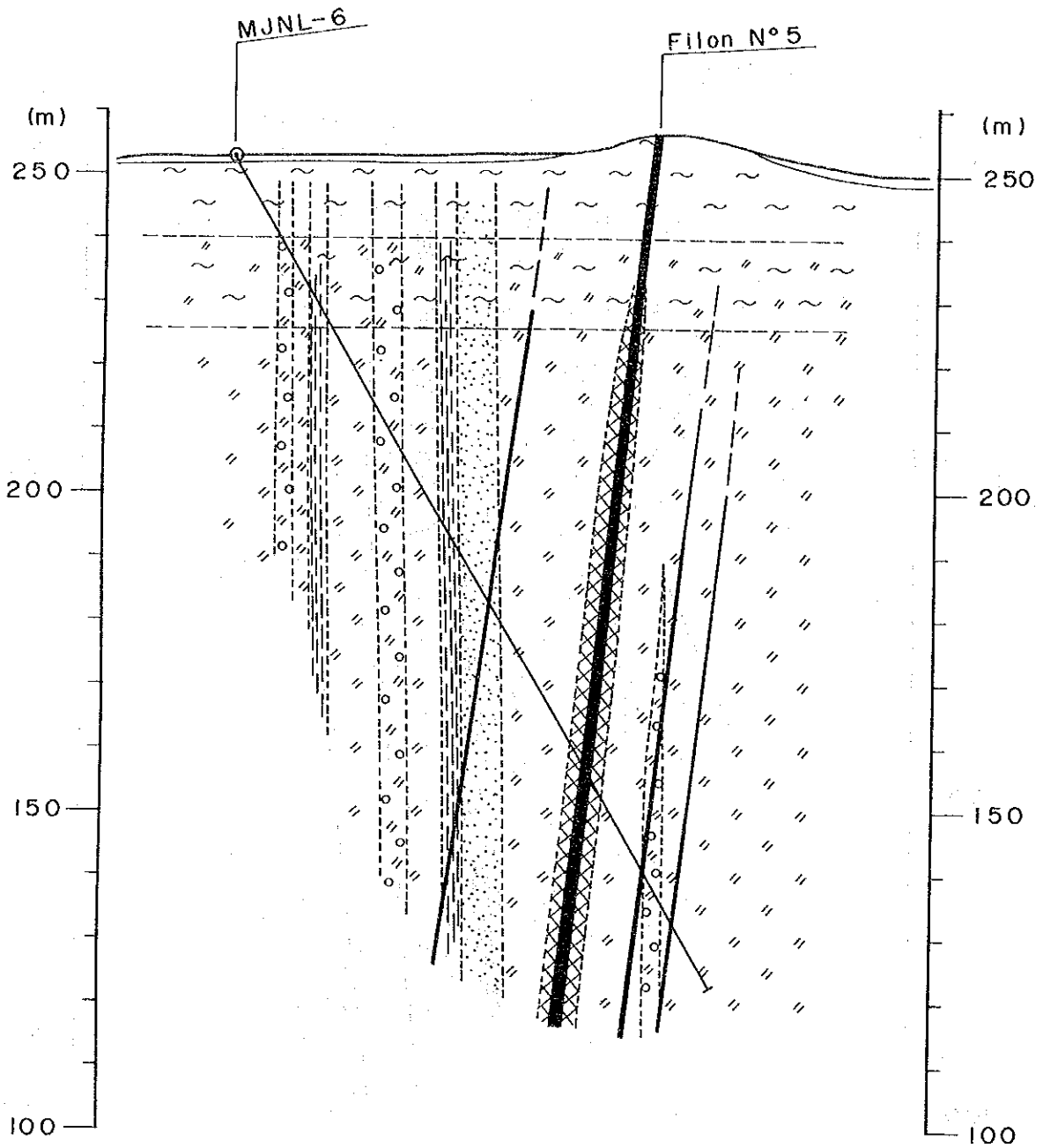


MJNL - 5

Altitude: 239.1m, Profondeur: 150.40m

Direction: SW 20°, Angle: -60°

Apc. 40 (5) Coupe géologique du trou de sondage MJNL - 5 à la région de Séfa Nangue

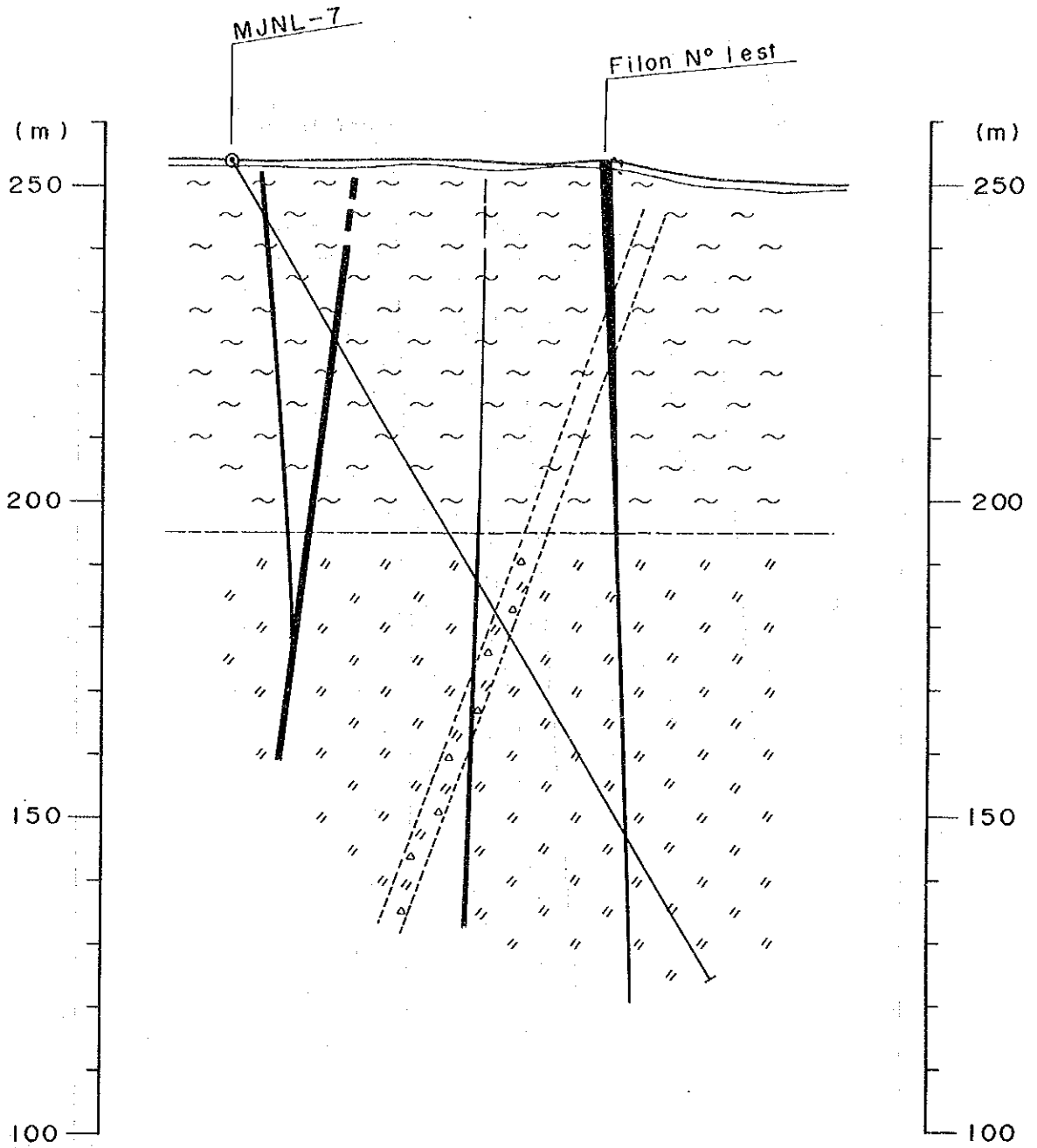


MJNL - 6

Altitude: 252.8m, Profondeur: 150.70m

Direction: S, Angle: -60°

Apc. 40 (6) Coupe géologique du trou de sondage MJNL - 6 à la région de Séfa Nangue

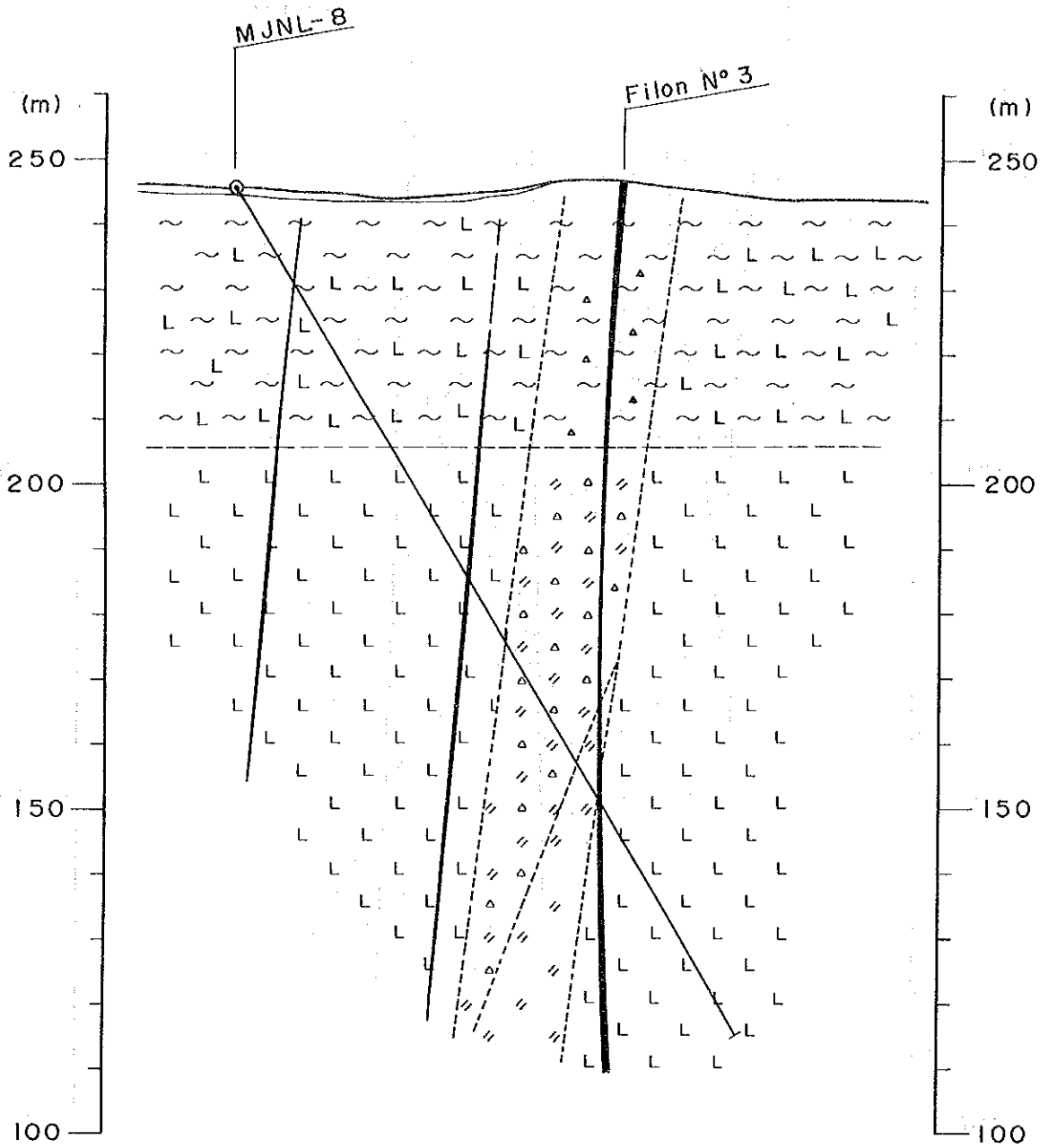


MJNL - 7

Altitude: 254.0m, Profondeur: 150.30m

Direction: S, Angle: -60°

Apc. 40 (7) Coupe géologique du trou de sondage MJNL - 7 à la région de Séfa Nangue

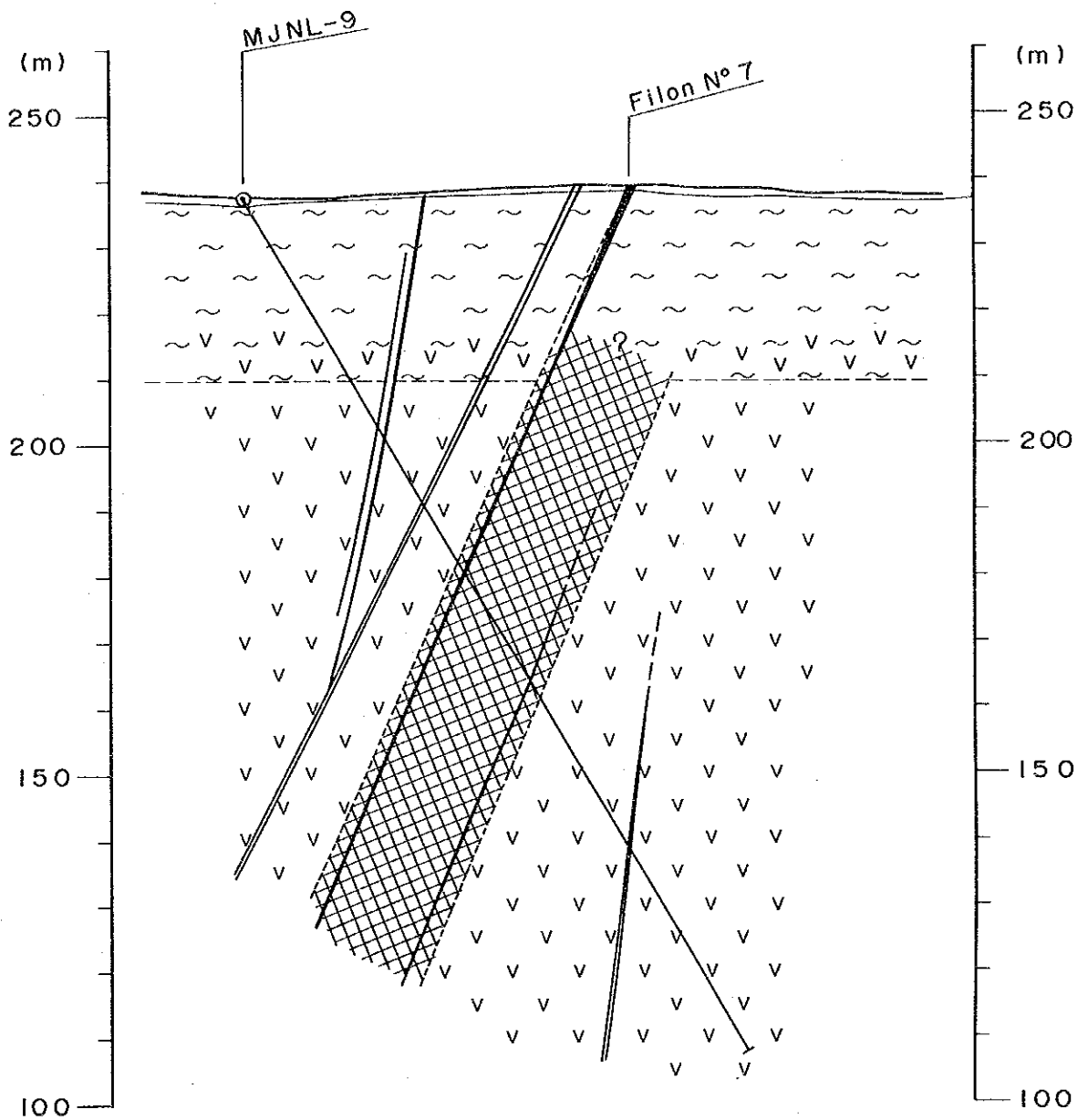


MJNL-8

Altitude: 245.7m, Profondeur: 152.30m

Direction: SW 20°, Angle: -60°

Apc. 40 (8) Coupe géologique du trou de sondage MJNL-8 à la région de Séfa Nangue



MJNL - 9

Altitude: 237.3m, Profondeur: 150.50m

Direction: SW 20°, Angle: -60°

Apc. 40 (9) Coupe géologique du trou de sondage MJNL - 9 à la région de Séfa Nangué


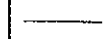
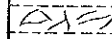

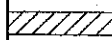


Ap c . 4 1 Colonne de sondage (MJNL-1~9)

Localité	Numéro de sondage	Localité de sondage		Altitude (m)	Direction (°)	Angle (°)	Profondeur (m)
		E (km)	N (km)				
Déba	MJNL-1	291.033	1961.425	248.8	NE 70	-60	151.00
Séfa Nangue	MJNL-2	289.637	1467.249	261.6	SW 20	-60	153.80
	MJNL-3	289.823	1467.229	252.7	S	-60	153.50
	MJNL-4	289.423	1467.423	243.3	SW 10	-60	150.50
	MJNL-5	289.290	1467.450	239.1	SW 20	-60	150.40
	MJNL-6	289.687	1467.120	252.8	S	-60	150.70
	MJNL-7	290.109	1467.255	254.0	S	-60	150.30
	MJNL-8	289.582	1467.510	245.7	SW 20	-60	152.30
	MJNL-9	289.316	1467.600	237.3	SW 20	-60	150.50

Abréviation

- Q : veine de quartz
- B : stratification
- S : schistosité
- C : contact de roche
- QV : veine de quartz
- Sld : minéral de sulfure
- Sil : silicification
- Arg : argillisation



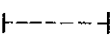
Symbole

-  veine de quartz (largeur ≥ 10 cm)
-  veine de quartz (largeur < 10 cm)
-  réseau de veinules de quartz
-  silicification (forte)
-  silicification (moyenne)
-  84.50 profondeur
-  angle de carotté

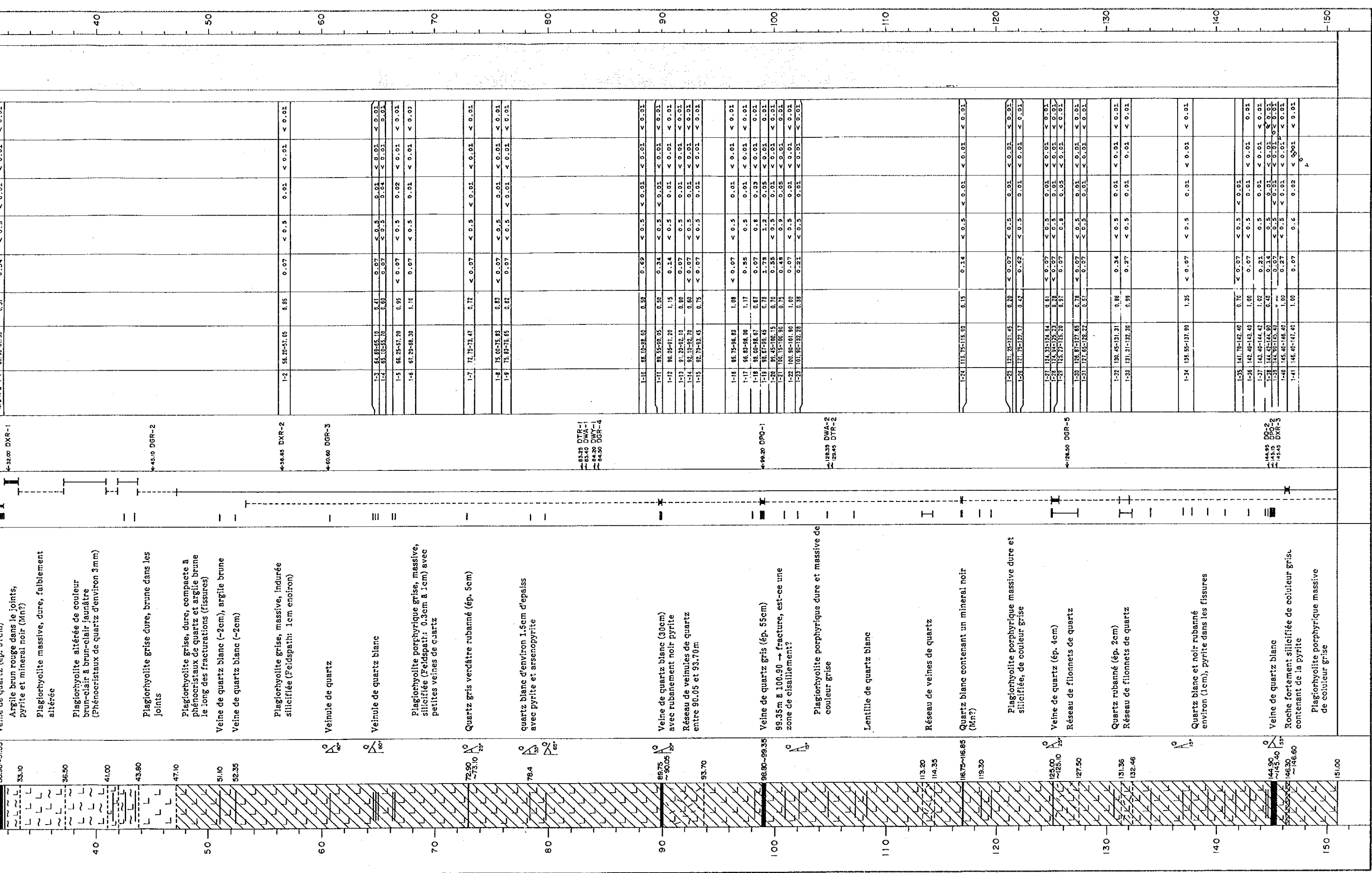
Échantillon d'examen

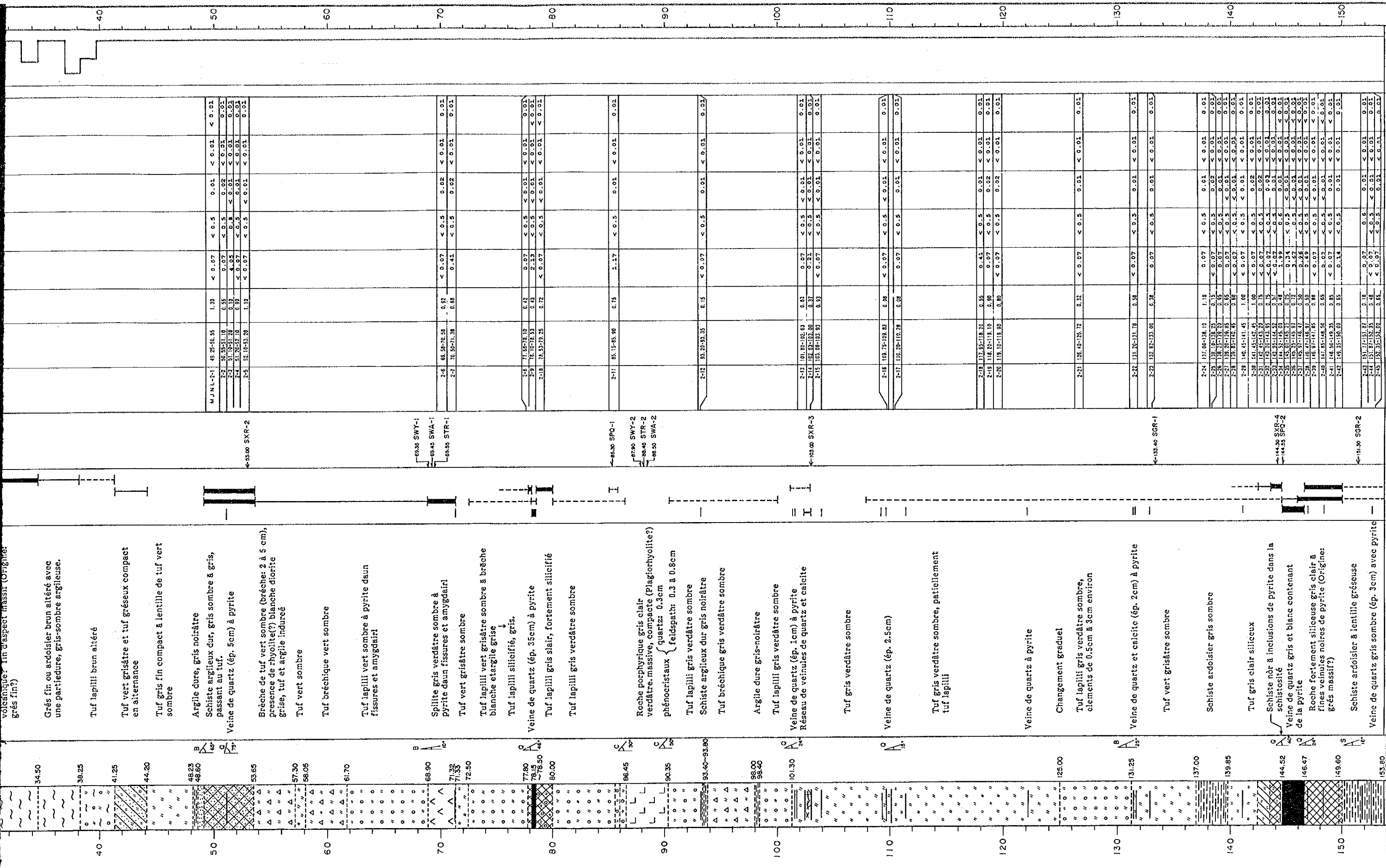
- D : région de Déba
- S : région de Séfa Nangue
- WA : analyse chimique
- TR : lame mince de roche
- XR : rayon X diffraction
- PQ : lame polie de minerais
- WR : analyse complète de roche
- WY : la détermination d'âge

Minéralisation et altération

-  forte
-  moyenne
-  faible

Apc.41 Colonne de sondage de MJNL-1 ~ 9





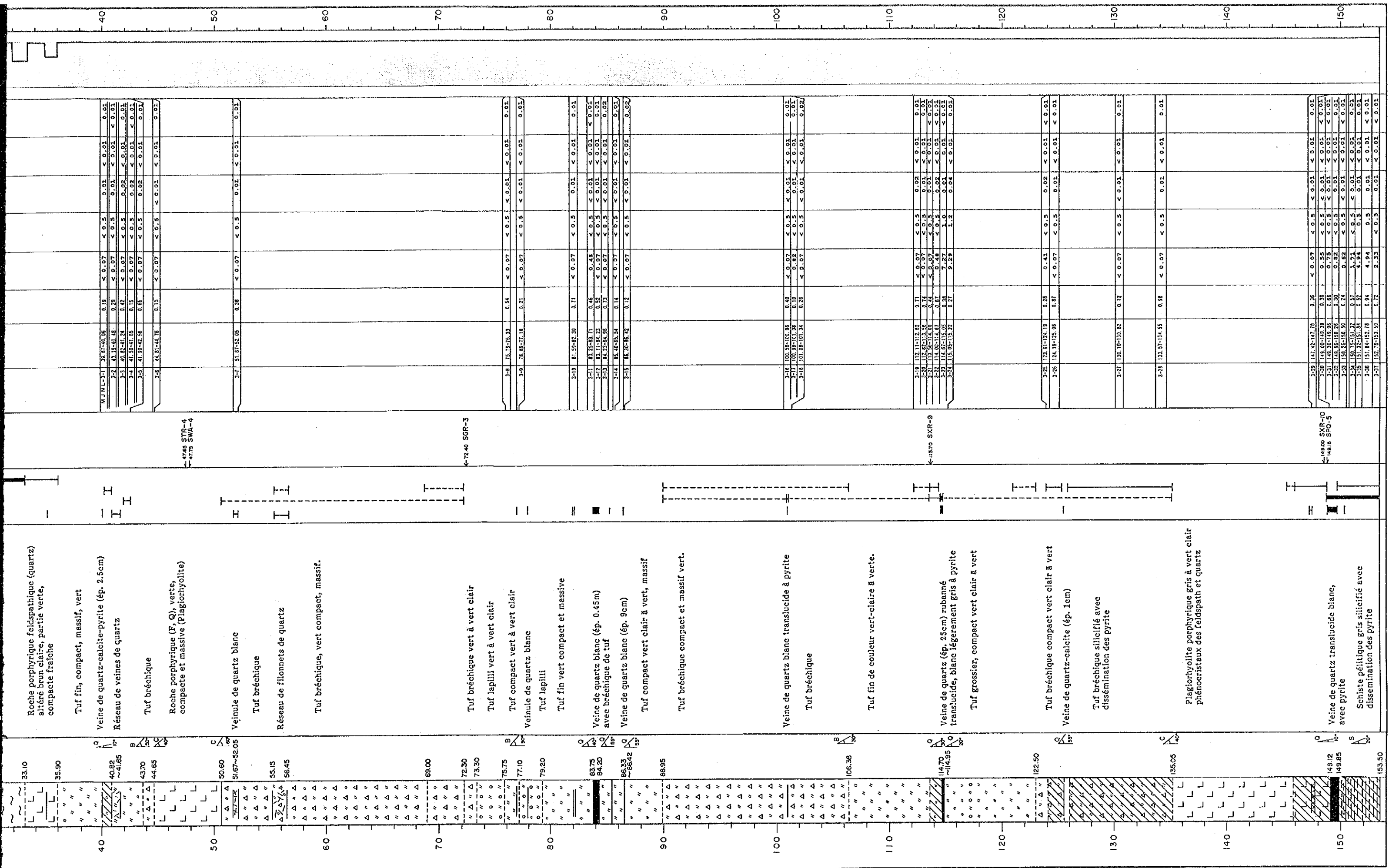
M J N L-2-1	48.25-56.55	1.30	< 0.07	< 0.5	0.02	< 0.01	< 0.01
2-2	58.55-61.10	0.55	0.07	< 0.5	< 0.02	< 0.01	0.02
2-3	51.10-51.20	0.10	4.05	0.8	< 0.01	< 0.01	0.01
2-4	51.20-51.10	0.09	< 0.07	< 0.5	0.01	< 0.01	0.01
2-5	52.10-51.20	1.10	< 0.07	< 0.5	< 0.01	< 0.01	0.01
2-6	58.55-70.58	0.97	< 0.07	< 0.5	0.02	< 0.01	0.01
2-7	70.58-71.38	0.89	0.41	< 0.5	0.02	< 0.01	0.01
2-8	71.52-71.10	0.42	0.07	< 0.5	< 0.01	< 0.01	0.01
2-9	71.10-71.53	0.43	2.33	< 0.5	< 0.01	< 0.01	< 0.01
2-10	71.53-72.25	0.72	< 0.07	< 0.5	< 0.01	< 0.01	< 0.01
2-11	85.15-85.90	0.75	1.17	< 0.5	0.01	< 0.01	0.01
2-12	81.20-81.35	0.15	< 0.07	< 0.5	< 0.01	< 0.01	0.01
2-13	101.85-102.63	0.83	0.57	< 0.5	< 0.01	< 0.01	0.01
2-14	102.63-103.00	0.37	0.25	< 0.5	< 0.01	< 0.01	0.01
2-15	103.00-103.95	0.95	< 0.07	< 0.5	< 0.01	< 0.01	0.01
2-16	109.75-109.83	0.08	< 0.07	< 0.5	< 0.01	< 0.01	0.01
2-17	112.32-112.28	0.04	0.07	< 0.5	0.01	< 0.01	0.01
2-18	117.65-118.42	0.77	0.41	< 0.5	0.01	< 0.01	0.01
2-19	118.42-119.10	0.68	< 0.07	< 0.5	0.02	< 0.01	0.01
2-20	119.10-119.90	0.80	< 0.07	< 0.5	0.02	< 0.01	0.01
2-21	126.00-126.72	0.72	< 0.07	< 0.5	0.01	< 0.01	0.01
2-22	131.20-131.10	0.10	< 0.07	< 0.5	0.01	< 0.01	0.01
2-23	132.82-133.00	0.18	0.07	< 0.5	0.01	< 0.01	0.01
2-24	137.00-138.10	1.10	0.07	< 0.5	0.01	< 0.01	0.01
2-25	138.10-139.25	1.15	< 0.07	< 0.5	0.02	< 0.01	0.01
2-26	139.25-139.20	0.05	0.07	< 0.5	< 0.01	< 0.01	0.01
2-27	139.25-139.20	0.05	< 0.07	< 0.5	< 0.01	< 0.01	0.01
2-28	140.65-141.45	0.80	< 0.07	< 0.5	< 0.01	< 0.01	0.01
2-29	141.45-142.45	1.00	< 0.07	< 0.5	0.02	< 0.01	0.01
2-30	142.45-143.20	0.75	< 0.07	< 0.5	0.02	< 0.01	0.01
2-31	143.20-143.35	0.15	< 0.07	< 0.5	0.01	< 0.01	0.01
2-32	143.35-143.35	0.00	< 0.07	< 0.5	0.01	< 0.01	0.01
2-33	143.35-143.35	0.00	< 0.07	< 0.5	0.01	< 0.01	0.01
2-34	144.32-145.00	0.68	< 0.07	< 0.5	0.01	< 0.01	0.01
2-35	145.00-145.15	0.15	0.34	< 0.5	< 0.01	< 0.01	0.01
2-36	145.15-145.97	0.82	3.67	< 0.5	< 0.01	< 0.01	0.01
2-37	145.97-146.47	0.50	0.66	< 0.5	< 0.01	< 0.01	0.01
2-38	146.47-147.45	0.98	< 0.07	< 0.5	< 0.01	< 0.01	0.01
2-39	147.45-148.45	1.00	< 0.07	< 0.5	< 0.01	< 0.01	0.01
2-40	148.45-148.58	0.13	< 0.07	< 0.5	< 0.01	< 0.01	0.01
2-41	148.58-149.25	0.67	< 0.07	< 0.5	< 0.01	< 0.01	0.01
2-42	149.25-149.60	0.35	< 0.07	< 0.5	0.01	< 0.01	0.01
2-43	151.17-151.87	0.70	0.07	0.6	0.01	< 0.01	0.01
2-44	151.87-152.40	0.53	< 0.07	< 0.5	< 0.01	< 0.01	0.01
2-45	152.40-153.00	0.60	< 0.07	< 0.5	< 0.01	< 0.01	0.01

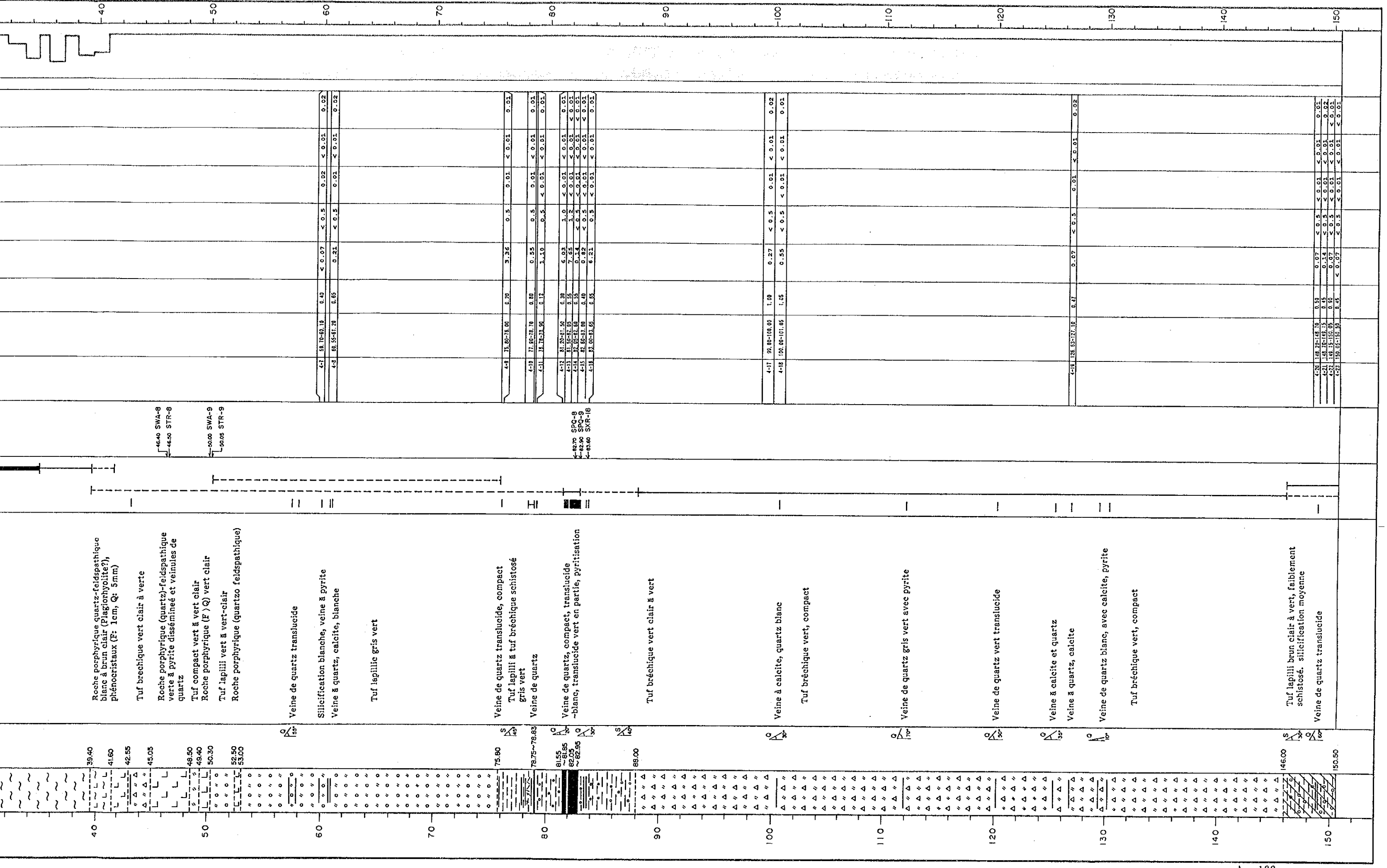
Apc. 41 (3)

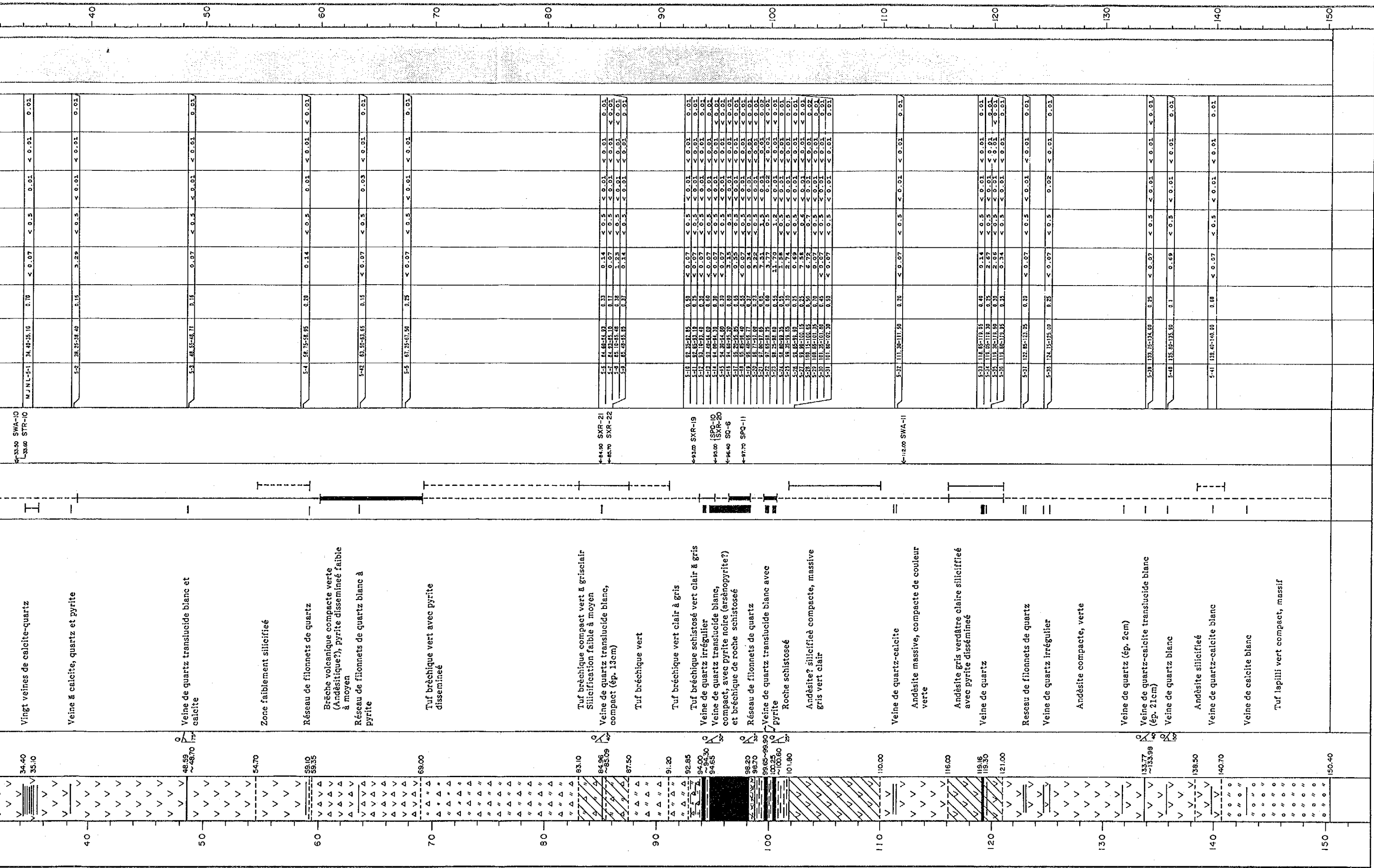
MJNL-3

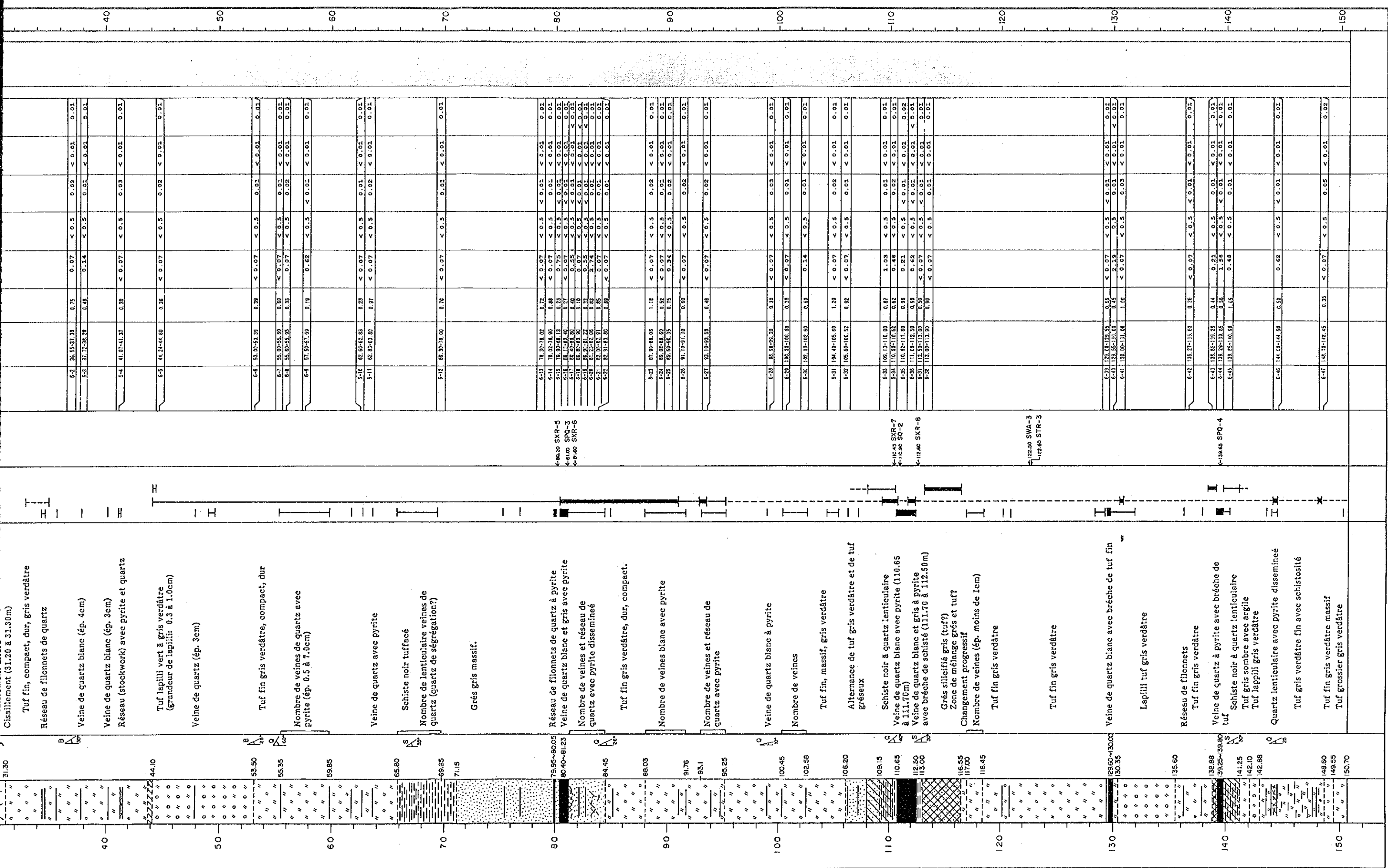
Localité: Séfa Nangue Altitude: 252.7 m Direction: S Angle: -60° Profondeur: 153.50 m

Echelle (m)	Colonne Géologique	Profondeur Angle Carotte (m) (°)	Description des formations géologiques	Minéralisations Alterations	Numero échantillon pour examens	Resultats d'analyse						Récupération Carottes %	Echelle (m)
						Numero échantillon	Profondeur (m)	Longueur échantillon (m)	Au g/t	Ag g/k	Cu %		
3.00	X		Non carotté										
10	~		Roche fortement altérée Tuf? de couleur variables allant du brun-clair à brun blanc	I									
33.10	L		Roche porphyrique feldspathique (quartz) altéré brun clair, partie verte, compacte fraîche	I									
35.90	" "		Tuf fin, compact, massif, vert	I									
40.82	//		Veine de quartz-calcite-pyrite (ép. 2.5cm)	I	MJNL-3-1	38.87-40.05	0.19	< 0.07	< 0.5	0.01	< 0.01	< 0.01	
~41.65	" "		Réseau de veines de quartz	I	3-2	40.15-40.18	0.29	< 0.07	< 0.5	0.01	< 0.01	< 0.01	
43.70	" "		Tuf bréchique	I	3-3	40.87-41.34	0.42	< 0.07	< 0.5	0.02	< 0.01	< 0.01	
44.65	" "		Roche porphyrique (F, Q), verte, compacte et massive (Plagiorthyolite)	I	3-4	41.58-41.66	0.13	< 0.07	< 0.5	0.02	< 0.01	< 0.01	
50.60	L		Veinule de quartz blanc	I	3-5	41.93-42.98	0.86	< 0.07	< 0.5	0.02	< 0.01	< 0.01	
51.67-52.05	L		Tuf bréchique	I	3-6	44.81-44.78	0.15	< 0.07	< 0.5	< 0.01	< 0.01	< 0.01	
55.15	L		Réseau de filonnets de quartz	I	3-7	51.67-52.05	0.18	< 0.07	< 0.5	0.01	< 0.01	< 0.01	
56.45	L		Tuf bréchique, vert compact, massif.	I									
69.00	L		Tuf bréchique vert à vert clair	I	3-8	74.13-74.31	0.54	< 0.07	< 0.5	< 0.01	< 0.01	< 0.01	
72.30	L		Tuf lapilli vert à vert clair	I	3-9	76.89-77.10	0.21	< 0.07	< 0.5	< 0.01	< 0.01	< 0.01	
73.30	L		Tuf compact vert à vert clair	I									
75.75	L		Veinule de quartz blanc	I	3-10	81.59-82.30	0.71	< 0.07	< 0.5	0.01	< 0.01	< 0.01	
77.10	L		Tuf lapilli	I	3-11	82.22-83.77	0.46	0.48	< 0.5	< 0.01	< 0.01	< 0.01	
79.20	L		Tuf fin vert compact et massive	I	3-12	83.11-84.23	0.52	< 0.07	< 0.5	< 0.01	< 0.01	< 0.01	
83.75	L		Veine de quartz blanc (ép. 0.45m) avec bréchique de tuf	I	3-13	83.23-84.93	0.13	< 0.07	< 0.5	< 0.01	< 0.01	< 0.01	
84.20	L		Veine de quartz blanc (ép. 9cm)	I	3-14	85.40-85.54	0.14	< 0.07	< 0.5	< 0.01	< 0.01	< 0.01	
86.33	L		Tuf compact vert clair à vert, massif	I	3-15	84.30-88.42	0.12	< 0.07	< 0.5	< 0.01	< 0.01	< 0.01	
88.95	L		Tuf bréchique compact et massif vert.	I									
106.36	L		Veine de quartz blanc translucide à pyrite	I	3-16	106.58-107.88	0.40	< 0.07	< 0.5	< 0.01	< 0.01	< 0.01	
	L		Tuf bréchique	I	3-17	107.93-108.28	0.19	0.82	< 0.5	< 0.01	< 0.01	< 0.01	
	L			I	3-18	107.02-109.24	0.28	< 0.07	< 0.5	< 0.01	< 0.01	< 0.01	

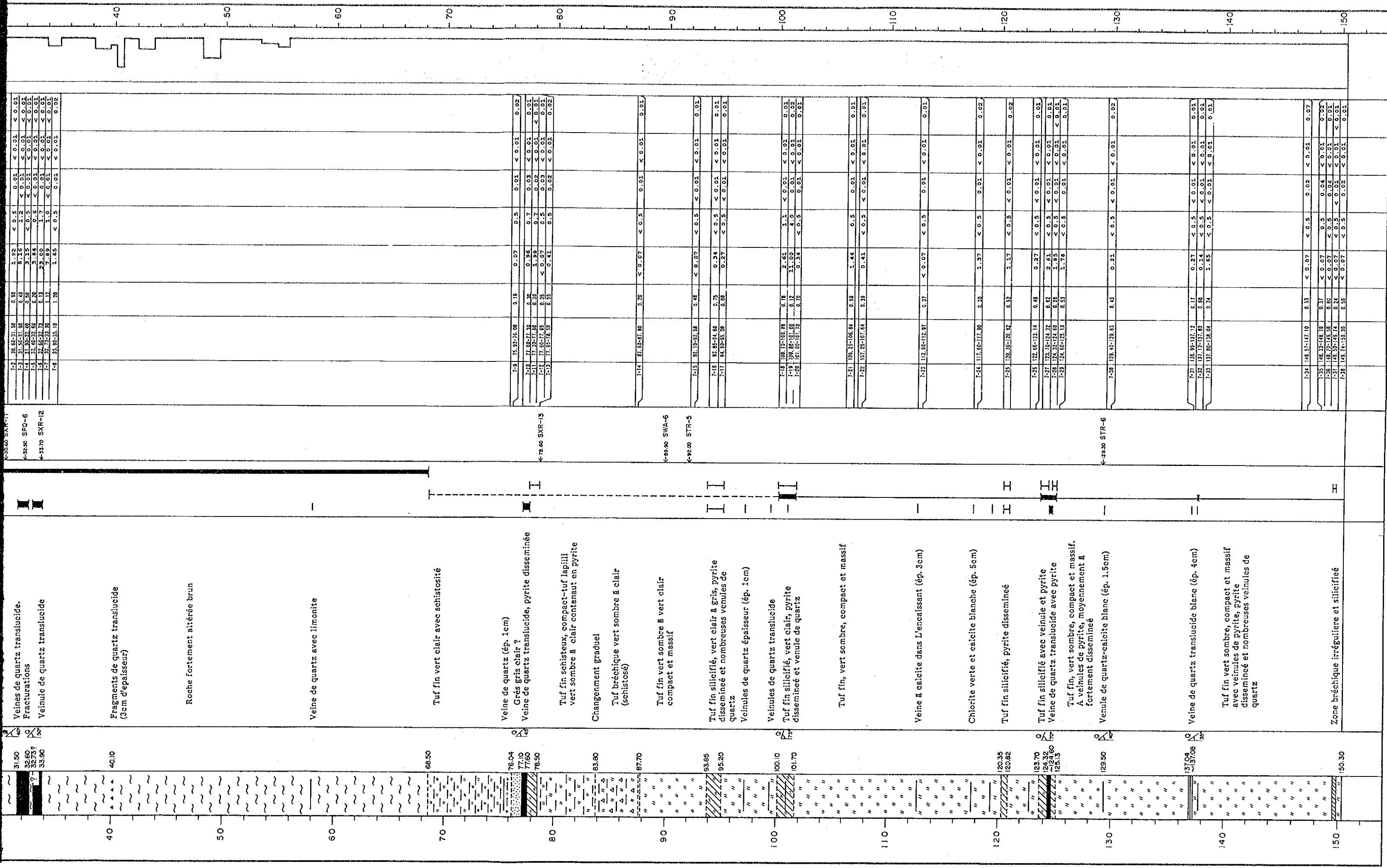








6-2	35.55-31.38	0.15	0.07	< 0.5	0.02	< 0.01	0.01
6-3	37.72-38.78	0.48	0.14	< 0.5	0.01	< 0.01	0.01
6-4	41.97-41.37	0.30	< 0.07	< 0.5	0.03	< 0.01	0.02
6-5	41.24-41.69	0.38	< 0.07	< 0.5	0.02	< 0.01	0.01
6-6	51.05-51.39	0.39	< 0.07	< 0.5	0.01	< 0.01	0.01
6-7	55.05-55.09	0.69	< 0.07	< 0.5	0.01	< 0.01	0.01
6-8	55.05-55.05	0.35	0.07	< 0.5	0.02	< 0.01	0.01
6-9	57.50-57.09	0.19	0.62	< 0.5	< 0.01	< 0.01	0.02
6-10	62.65-62.83	0.23	< 0.07	< 0.5	0.01	< 0.01	0.01
6-11	62.83-62.80	0.37	< 0.07	< 0.5	0.02	< 0.01	0.01
6-12	69.30-70.00	0.76	< 0.07	< 0.5	0.01	< 0.01	0.01
6-13	78.20-78.02	0.72	< 0.07	< 0.5	< 0.01	< 0.01	0.01
6-14	78.07-78.00	0.88	< 0.07	< 0.5	0.01	< 0.01	0.01
6-15	78.07-78.13	0.23	0.75	< 0.5	< 0.01	< 0.01	0.01
6-16	78.07-78.48	0.27	< 0.07	< 0.5	< 0.01	< 0.01	0.01
6-17	78.07-78.06	0.16	0.02	< 0.5	< 0.01	< 0.01	0.01
6-18	80.40-80.56	0.16	0.02	< 0.5	< 0.01	< 0.01	0.01
6-19	80.40-81.23	0.33	0.55	< 0.5	< 0.01	< 0.01	0.01
6-20	81.23-82.05	0.83	2.74	< 0.5	< 0.01	< 0.01	0.01
6-21	82.05-82.91	0.85	0.07	< 0.5	0.01	< 0.01	0.01
6-22	87.31-83.85	0.89	< 0.07	< 0.5	0.01	< 0.01	0.01
6-23	87.80-88.08	1.14	< 0.07	< 0.5	0.02	< 0.01	0.01
6-24	89.07-89.09	0.51	< 0.07	< 0.5	0.01	< 0.01	0.01
6-25	89.09-90.35	0.75	0.34	< 0.5	0.02	< 0.01	0.01
6-26	91.10-91.19	0.60	< 0.07	< 0.5	0.02	< 0.01	0.01
6-27	93.10-93.58	0.48	< 0.07	< 0.5	0.02	< 0.01	0.01
6-28	98.98-99.20	0.39	< 0.07	< 0.5	0.03	< 0.01	0.01
6-29	100.30-100.68	0.38	< 0.07	< 0.5	0.01	< 0.01	0.01
6-30	102.00-102.69	0.52	0.14	< 0.5	0.01	< 0.01	0.01
6-31	104.40-105.60	1.20	< 0.07	< 0.5	0.02	< 0.01	0.01
6-32	105.60-106.52	0.82	< 0.07	< 0.5	0.01	< 0.01	0.01
6-33	106.12-110.00	0.87	1.03	< 0.5	0.01	< 0.01	0.01
6-34	110.00-110.82	0.82	0.48	< 0.5	0.02	< 0.01	0.01
6-35	110.82-111.60	0.98	0.21	< 0.5	< 0.01	< 0.01	0.02
6-36	111.60-112.50	0.99	0.62	< 0.5	< 0.01	< 0.01	0.01
6-37	112.50-113.00	0.50	< 0.07	< 0.5	< 0.01	< 0.01	0.01
6-38	113.00-113.80	0.98	< 0.07	< 0.5	< 0.01	< 0.01	0.01
6-39	128.00-128.55	0.55	< 0.07	< 0.5	< 0.01	< 0.01	0.01
6-40	138.35-138.85	0.45	2.19	< 0.5	0.01	< 0.01	0.01
6-41	138.85-139.00	1.00	< 0.07	< 0.5	0.03	< 0.01	0.01
6-42	138.27-138.63	0.36	< 0.07	< 0.5	< 0.01	< 0.01	0.01
6-43	138.35-138.29	0.44	0.21	< 0.5	0.01	< 0.01	0.01
6-44	138.29-138.85	0.56	1.58	< 0.5	< 0.01	< 0.01	0.01
6-45	138.85-140.00	1.05	0.48	< 0.5	0.01	< 0.01	0.01
6-46	144.00-144.50	0.50	0.62	< 0.5	< 0.01	< 0.01	0.01
6-47	148.10-148.45	0.35	< 0.07	< 0.5	0.05	< 0.01	0.02



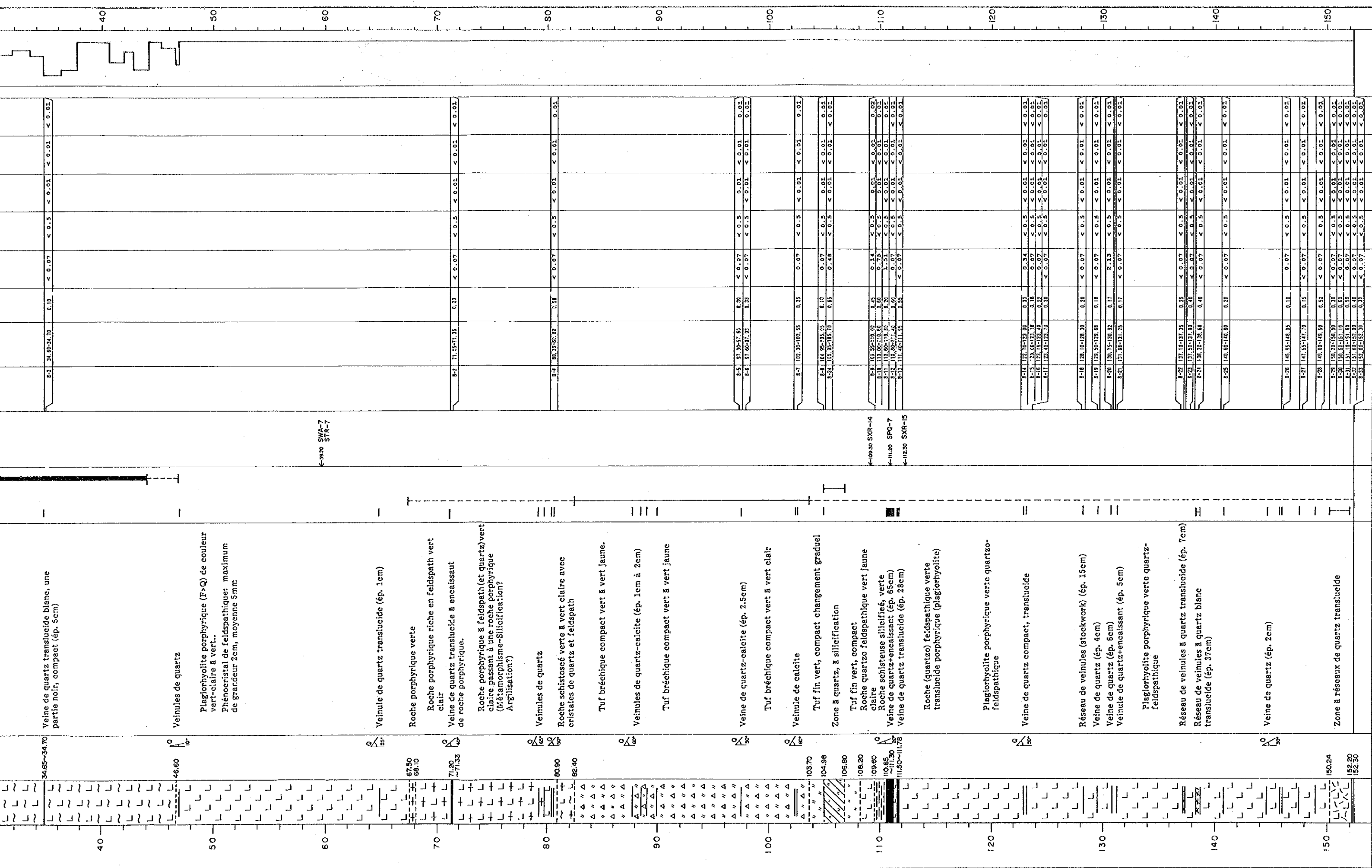
Apc. 41(8)

MJNL-8

Localité: Séfa Nangue Altitude: 245.7 m Direction: SW20° Angle: -60° Profondeur: 152.30m

Echelle (m)	Colonne Géologique	Profondeur Carotte (m) (°)	Description des formations géologiques	Minéralisations Alterations	Numero échantillon pour examens	Resultats d'analyse					Récupération Carottes (%)	Echelle (m)	
						Numero échantillon	Profondeur (m)	Longeur échantillon (m)	Au g/t	Ag g/k			Cu %
3.00	X		Non carotté										
17.75-17.90			Roche porphyrique (plagiorthyolite?) feldspathique (avec quartz), fortement altérée, argileuse. De couleur brun rouge clair à brun-claire à blanc										
34.65-34.70			Roche porphyrique quartzo-feldspathique, fortement altérée brun-claire, argileuse. (plagiorthyolite)										
46.60			Veinule de quartz compact (ép. 15.0cm)										
67.50-68.10			Roche de quartz translucide blanc, une partie noir, compact (ép. 5cm)										
71.20-71.33			Veinules de quartz										
80.90-82.40			Plagiorthyolite porphyrique (F>Q) de couleur vert-claire à vert.. Phéno-cristal de feldspathique: maximum de grandeur 2cm, moyenne 5mm										
103.70-104.96			Veinule de quartz translucide (ép. 1cm)										
106.80-108.20			Roche porphyrique verte Roche porphyrique riche en feldspath vert clair Veine de quartz translucide à encaissement de roche porphyrique.										
			Roche porphyrique à feldspath (et quartz) vert clair passant à une roche porphyrique (Métabasisme-Silicification? Argilisation?)										
			Veinules de quartz										
			Roche schistoseé verte à vert clair avec cristaux de quartz et feldspath										
			Tuf bréchique compact vert à vert jaune.										
			Veinules de quartz-calcite (ép. 1cm à 2cm)										
			Tuf bréchique compact vert à vert jaune										
			Veine de quartz-calcite (ép. 2.5cm)										
			Tuf bréchique compact vert à vert clair										
			Veinule de calcite										
			Tuf fin vert, compact changement graduel										
			Zone à quartz, à silicification										
			Tuf fin vert, compact										
			Roche quartzo feldspathique vert jaunâtre										

K-9970 SWA-7 STR-7



←-3070 SWA-7 STR-7

←-109.30 SXR-14

←-111.20 SPO-7

←-112.30 SXR-15

