GEOLOGIC CORE LOG OF MJKA-7 (6/6)

1/200

Level	1,920.6m	Direction	105°
X	93.5m	Inclination	-45°
Y	425.0m	Length	281.0m

MJKA-7 (6/6) 250m ~ 280m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Sb	Mo	LAB. TEST
		201.4-281.0m, mdg bio hb granodiorite											
		253.2-253.7m, chloritization											
		253.5-253.9m, porphyritic texyure											
	255.4	255.4m, quartz vein, W=0.5cm											
		256.5-256.8m, cholritization with arsenopy imp.											
	260.0	260.0m, arsenopyrite crystal film of 0.5mm along joint											
		263.0-263.7m, chrolitization withh arsenopyrite imp											
	263.2	263.2m, cal chl v with arsenopyrite imp, W=1cm											
		263.8-2644.2 porphyritic texture											
		From 264.0m white albite distinct											
		268.8-269.5m, chloritization											
		269.5-269.7m, plagioclase phenocryst gathering											
	272.7	272.7m, epidote altered vein, W=2cm											
	273.8	273.8m, epidote altered vein, W=1cm											
		276-281m, porphyritic texture											
	281.0	(281.0m, end of drilling)											

GEOLOGIC CORE LOG OF MJKA-8 (1/2)

1/200

Level 1,929.8m Direction 105°
X 78.9m Inclination 0°
Y 352.3m Length 101.1m

MJKA-8 (1/2) 0 m ~ 50 m

DESCRIPTIONS

Depth (m)	Description
0–4.0	0-4.0m, pale greenish white strong silicified skarn, pyroxene wollastonite skarn origin 2.2m, malachite dot 2mm 3.3m, two porphyry dykes (0.5 to 1 cm)
4.0–4.5	4.0-4.5m, W=0.5m light green epidote skarn 4.5m, W=1cm arsenopyrite veinlet
4.5–5.1	4.5-5.1m, white marble, banded structure (20°) (35)
5.1–6.3	5.1-6.3m, white silicified skarn 5.8m, pyrite veinlet of 0.5cm of 45°
6.3–9.2	6.3-9.2m, white marble, partly skarnized and silicified
9.2–12.8	9.2-12.8m, white to pale green silicified skarn, pyroxene wollastonite skarn origin (60) quartz banded network (1-2mm in width) with 30°-50°
12.8–13.6	12.8-13.6m, W=0.8m, dark green diorite porphyry (20)
13.6–14.6	13.6-14.6m, pale green silicified skarn
14.6–15.2	14.6-15.2m, garnet epidote pyroxene skarn
15.2–18.9	15.2-18.9m, pale green silicified skarn, garnet pyroxene skarn origin quartz banded network with 70°-80°
18.9–20.0	18.9-20.0m, lamprophyre, malachite imp.
20.0–20.3	20.0-20.1m, marble 20.1-20.3m, lamprophyre
20.3–21.2	20.3-21.2m, silicified skarn, pyroxene skarn origin
21.2–22.9	21.2-22.9m, W=1.7m dark green pyroxene skarn, hedenbergite contain, joint rich of 30°-40° 22.0m, W=1cm calcite vein of 30°
22.9–29.5	22.9-29.5m, pale green to pink silicified skarn (50) around 25.5m garnet rich quartz banded network (2-10mm in width) with 50°-60° 26-27m rhodonite 28.5-29m rhodnite
29.5–30.2	29.5-30.2m, W=0.7m, diorite porphyry (20)
30.2–39.4	30.2-39.4m, pale green to pink silicified skarn, pyroxene wollastonite origin 31.4-32m rhodonite quartz and wollastonite network (1-3mm in width) 34.6-34.8m partly weak chloritization around 36m rhodonite 36.7m, banded structure showing 50° between rhodonites
39.4–39.6	39.4-39.6m, W=20cm, lamprophyre
39.6–42.0	39.6-42.0m, silicified skarn
42.0–42.3	42.0-42.3m, W=0.3m, lamprophyre
42.3–45.3	42.3-45.3m, epidote chlorite altered zone, ateration after lamprophyre (?)
45.3–45.6	45.3-45.6m, W=0.3m, porphyrite dyke (20)
45.6–49.9	45.6-49.9m, white silicified skarn 46.8m, W=0.5m, chlorite epidote veinlet (55) 48-49.9m, rhodonite

ASSAY RESULT

DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Sb	Mo
1.0	7A0035	0.015	0.7	0.03	0.2	5	3	0.3	3
2.0	7A0036	0.012	0.7	0.03	0.2	5	3	0.3	3
3.0	7A0037	0.09	0.15	0.005	0.7	9	5	<0.3	5
4.0	7A0038	0.15	0.3	0.012	0.12	9	5	0.3	3
4.5	7A0039	12.0	5	0.015	0.4	3	100	7	9
5.1	7A0040	3.0	20	0.09	1.2	3	1.5	1.5	1.2
6.3	7A0041	2.2	7	0.2	0.12	7	15	1.2	1.5
7.3	7A0042	0.2	<0.1	0.005	0.12	<0.5	3	<0.3	<1.2
8.3	7A0043	0.4	0.4	0.012	0.2	<0.5	5	<0.3	<1.2
9.2	7A0044	0.8	0.5	0.02	<0.1	0.3	20	<0.3	<1.2
10.2	7A0045	0.15	0.5	0.015	0.9	2	2	<0.3	4
11.2	7A0046	0.12	0.5	0.03	0.5	3	2	<0.3	12
12.2	7A0047	0.05	0.4	0.02	0.5	0.9	3	<0.3	5
12.8	7A0048	0.4	0.9	0.012	0.9	-	1.2	<0.3	4
13.6	7A0049	0.05	0.2	0.007	0.7	0.7	1.2	<0.3	7
14.6	7A0050	0.5	<0.1	0.002	<0.1	3	<1.2	<0.3	1.2
15.2	7A0051	0.6	0.5	0.012	0.2	5	3	0.3	7
16.2	7A0052	1.2	1.5	0.03	0.15	0.3	1.2	0.3	<1.2
17.2	7A0053	0.12	0.5	0.012	0.2	-	1.2	<0.3	3
18.9	7A0054	0.07	0.5	0.012	0.9	3	<1.2	<0.3	5
20.0	7A0055	0.2	1.5	0.04	1.2	5	<1.2	0.4	7
21.2	7A0056	0.09	0.5	0.015	1.5	4	<1.2	<0.3	7
22.2	7A0057	2.4	3	0.03	0.12	7	9	0.3	30
22.9	7A0058	0.5	0.3	0.03	0.2	5	3	0.3	15
23.9	7A0059	0.09	<0.1	0.01	0.5	7	1.2	<0.3	3
24.9	7A0060	0.12	0.3	0.02	0.7	3	15	0.3	3
25.9	7A0061	0.07	1.5	0.02	0.15	3	1.2	<0.3	2
26.9	7A0062	0.03	0.2	0.005	0.12	4	4	0.3	3
27.9	7A0063	0.15	0.12	0.005	0.12	5	<1.2	<0.3	2
28.9	7A0064	0.02	0.5	0.015	2	1.5	<1.2	<0.3	7
29.5	7A0065	0.03	0.2	0.009	1.2	1.5	<1.2	<0.3	9
30.2	7A0066	0.015	<0.1	0.005	1.5	0.4	<1.2	<0.3	12
31.2	7A0067	0.012	0.12	0.007	1.2	2	<1.2	<0.3	9
32.2	7A0068	<0.012	0.7	0.012	4	1.2	<1.2	<0.3	4
33.2	7A0069	0.12	0.9	0.015	3	1	<1.2	<0.3	5
34.2	7A0070	0.012	0.9	0.012	0.4	2	<1.2	<0.3	5
35.2	7A0071	0.03	0.4	0.012	0.5	4	<1.2	<0.3	5
36.2	7A0072	0.07	0.5	0.012	4	5	1.2	0.3	12
37.2	7A0073	0.2	0.3	0.009	0.12	0.5	<1.2	<0.3	4
38.2	7A0074	0.12	0.7	0.015	2	2	<1.2	0.3	7
39.2	7A0075	0.5	0.3	0.012	0.7	2	<1.2	0.3	5
40.2	7A0076	1.0	0.4	0.012	0.7	4	2	<0.3	9
41.2	7A0077	0.9	0.4	0.004	0.2	1	15	<0.3	3
42.3	7A0078	0.12	0.3	0.009	0.3	3	<1.2	<0.3	3
43.3	7A0079	0.15	<0.1	0.009	0.5	15	2	0.3	4
44.3	7A0080	0.5	<0.1	0.002	1.2	3	<1.2	<0.3	7
45.3	7A0081	0.15	<0.1	0.002	0.3	5	<1.2	<0.3	5
46.3	7A0082	0.12	0.12	0.003	1.2	0.3	<1.2	<0.3	7
47.3	7A0083	0.03	<0.1	0.009	0.3	9	1.2	<0.3	4
48.3	7A0084	0.2	0.5	0.012	0.2	0.5	<1.2	<0.3	7
49.3	7A0085	0.03	<0.1	0.001	3.2	7	<1.2	<0.3	4
49.9	7A0086	0.70	<0.1	0.002	0.3	4	<1.2	<0.3	5

LAB. TEST

LAB. TEST	Depth (m)
P	4.5
P	5.8
T	19.8
T	21.8
T	25.0
T	29.8
T	44.4

GEOLOGIC CORE LOG OF MJKA-8 (2/2)

1/200

MJKA-8 (2/2) 50m ~ 101m

Level	1,929.8m	Direction	105°
X	78.9m	Inclination	0°
Y	352.3m	Length	101.1m

DESCRIPTIONS

DEPTH (m)	DESCRIPTIONS
51.2	49.9-51.2m, silicified skarn, pyroxene skarn origin
52.05	51.2-53.4m, deep green pyroxene skarn 52.05m, malachite chrysocolla veinlet, W:1-1.5cm (50)
53.4	53.4-66.7m, pale green silicified skarn, strong silicification
61.3	61.3m, quartz vein W=1-1.5cm (40)
66.7	66.7-67.8m, pale brown weak silicified marble
67.8	67.8-75.8m, pale green silicified skarn 73.4-74m, brecciated marble texture
75.8	75.8-83.6m, pale brown weak silicified marble, banded structure of 30° composed of limonite veinlets, Mn oxides predominant (70) limonite calcite veinlets with 1mm of 70°-80°
83.6	83.6-84.3m, brownish shear with clay
84.3	84.3-101.1m, pale brown silicified marble, with imonite veinlets strong limonitization being presumed existance of fracture connected with surface 91-93m, malachite imp along fracture
94.3	94.3-94.7m, biotite microdiorite
94.7	94.7-95m, malachite imp 2% 96.6m, malachite imp. 98.0m, malachite imp. 99.0-99.5m, W=1cm quartz-calcite 4 veins of 60°, malachite imp.
101.1	(101.1m, end of drilling)

ASSAY RESULT

DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Sb	Mo	LAB. TEST
49.9-51.2	7A0087	0.5	0.5	0.03	0.3	4	<1.2	<0.3	15	
51.2-52.2	7A0088	1.2	0.4	0.15	0.2	7	2	<0.3	120	P (52.05)
52.2-53.4	7A0089	1.0	0.7	0.03	<0.1	7	<1.2	<0.3	1.2	
53.4-54.4	7A0050	0.8	0.5	0.009	0.15	1.5	<1.2	<0.3	4	
54.4-55.4	7A0091	0.3	0.7	0.02	0.3	1.2	<1.2	<0.3	7	
55.4-56.4	7A0092	0.09	0.3	0.02	0.12	1.2	<1.2	<0.3	7	
56.4-57.4	7A0093	0.15	0.7	0.02	0.15	1.2	<1.2	<0.3	5	
57.4-58.4	7A0094	1.1	0.7	0.02	0.15	2	7	<0.3	20	
58.4-59.4	7A0095	1.2	0.5	0.009	0.4	5	<1.2	<0.3	50	
59.4-60.4	7A0096	0.05	0.9	0.07	0.3	2	<1.2	<0.3	15	
60.4-61.4	7A0097	0.07	0.1	0.007	0.12	4	<1.2	<0.3	5	F (61.3)
61.4-62.4	7A0098	0.12	0.3	0.009	0.3	2	<1.2	<0.3	9	
62.4-63.4	7A0099	0.3	0.3	0.007	<0.1	5	<1.2	<0.3	4	
63.4-64.4	7A0100	0.03	0.7	0.02	0.3	3	<1.2	<0.3	5	
64.4-65.4	7A0101	0.03	0.7	0.015	0.4	2	<1.2	<0.3	4	
65.4-66.7	7A0102	0.04	1.2	0.03	1.2	2	<1.2	<0.3	9	
66.7-67.8	7A0103	0.02	0.5	0.02	<0.1	2	2	0.3	70	
67.8-68.8	7A0104	0.04	0.9	0.02	0.15	1.2	<1.2	<0.3	12	
68.8-69.8	7A0105	0.03	0.5	0.02	0.12	0.9	<1.2	<0.3	15	
69.8-70.8	7A0106	0.05	0.9	0.009	0.12	2	<1.2	<0.3	40	
70.8-71.8	7A0107	0.012	0.3	0.005	0.3	2	<1.2	<0.3	7	
71.8-72.8	7A0108	0.6	4	0.05	0.3	3	<1.2	0.3	3	
72.8-73.8	7A0109	0.04	0.3	0.01	0.3	3	<1.2	<0.3	7	
73.8-74.8	7A0110	0.3	0.2	0.01	0.12	2	<1.2	<0.3	12	
74.8-75.8	7A0111	0.3	0.7	0.015	0.4	1.2	<1.2	<0.3	7	
75.8-76.8	7A0112	0.015	0.9	0.02	2	4	2	<0.3	30	
76.8-77.8	7A0113	0.03	0.9	0.02	1.5	2	1.5	<0.3	12	
77.8-78.8	7A0114	0.3	1.2	0.015	1	<0.5	5	<0.3	30	
78.8-79.8	7A0115	0.04	0.7	0.012	0.7	3	7	<0.3	70	
79.8-80.8	7A0116	0.015	0.7	0.012	0.9	3	1.5	<0.3	40	
80.8-81.8	7A0117	0.15	0.3	0.012	1.2	2	4	<0.3	50	
81.8-82.8	7A0118	0.12	0.9	0.012	1.5	2	2	<0.3	120	
82.8-83.6	7A0119	0.05	0.2	0.007	3	1	1.2	<0.3	300	
83.6-84.3	7A0120	0.04	0.15	0.015	0.7	2	3	<0.3	150	X (84.2)
84.3-85.3	7A0121	0.015	0.7	0.009	0.2	0.4	4	<0.3	20	
85.3-86.3	7A0122	0.07	1.2	0.012	0.2	1.5	5	<0.3	30	
86.3-87.3	7A0123	0.09	2	0.12	0.7	2	1.2	<0.3	50	
87.3-88.3	7A0124	0.04	1.5	0.015	0.7	0.9	2	<0.3	15	
88.3-89.3	7A0125	0.12	1.2	0.04	1.2	1.5	4	<0.3	30	
89.3-90.3	7A0126	0.02	0.5	0.02	0.3	1.2	2	<0.3	20	
90.3-91.3	7A0127	0.12	0.7	0.02	0.3	0.7	3	<0.3	12	
91.3-92.3	7A0128	0.15	2	0.07	1.2	0.5	9	<0.3	40	
92.3-93.3	7A0129	0.2	2	0.04	0.4	1.2	1.5	<0.3	20	
93.3-94.3	7A0130	0.015	0.9	0.015	1.5	2	<1.2	<0.3	12	
94.3-95.3	7A0131	0.04	0.9	0.03	1.2	1.2	1.5	<0.3	20	
95.3-96.3	7A0132	0.07	2	0.04	0.3	0.9	1.5	<0.3	20	
96.3-97.3	7A0133	0.12	1.2	0.02	0.3	4	4	<0.3	15	
97.3-98.3	7A0134	0.12	1.2	0.07	0.7	3	1.2	<0.3	20	
98.3-99.3	7A0135	0.15	1.2	0.07	0.3	0.7	1.2	<0.3	30	
99.3-100.3	7A0136	0.12	1.2	0.12	0.5	1.5	1.5	<0.3	90	
100.3-101.1	7A0137	0.09	1.5	0.04	0.7	0.9	1.5	<0.3	40	

GEOLOGIC CORE LOG OF MJKA-9 (1/5)

1/200

Level 1,929.8m　Direction 105°
X 78.9m　Inclination -55°
Y 352.3m　Length 210.2m

MJKA-9 (1/5)　0 m ～ 50 m

DEPTH (m)	DESCRIPTIONS
0.8	0-0.8m, detritus with granodiorite pebbles
	0.8-5.9m, granodiorite, hornblende contained, showing partly porphyritic texture
5.9	5.9-8.8m, pale greenish white silicified skarn, wolastonite skarn origin, brecciated
	6.3-6.4m, granodiorite injection of 10 angle
	around 7.9m, pale brown garnet
8.8	8.8-9.2m, greenish white silicified px-skarn
9.2	9.2-9.3m, light green epidote skarn
9.7	9.3-10.0m, silicified skarn
	9.7m, pyrite-malachite vein W=1cm
10.0	10.0-11.0m, silicified skarn with baned st. of 60 (40)
	10.9m, malachite-pyrite vein W=1cm
11.0	11.0-12.9m, garnet wollastonite pyroxene skarn
12.9	12.9-27.3m, pale green silicified skarn, pyroxene skarn origin, strong silicification, fine pyrite imp.
	around 16.7m arsenopyrite 2*2mm
	18-19m crushed limonitization along crack, weak epidotization
	19.7m molybdenite 3*2mm
	around 20-27m fine pyrite imp., occaionally fine cp imp.
	24-25m limonitization along crack
27.3	27.3-35.9m, chlorite altered granodiorite, biotitization predominant, partly pyroxene skarnization
	35.5-35.9m, pyroxene skarnization
35.9	35.9-36.9m, pyroxene skarn, silicification (50)
36.9	36.9-51.6m, pale green silicified skarn, partly biotitization, pyroxene skarn origin
	41.5-45m, biotitization rich (30-60%) pyroxene veinlet cutting biotite rich zone
	45.8-46.2m, chlorite altered granodiorite, biotite and hornblende
	47.8-48.5m, biotitization rich

DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Sb	Mo	LAB. TEST
4.9–5.9	7A0212	0.09	<0.1	0.007	4	1.2	1.2	<0.3	5	
5.9–6.9	7A0213	<0.012	<0.1	0.005	1.2	-	<1.2	<0.3	9	
6.9–7.9	7A0214	0.012	0.7	0.015	0.7	7	1.2	<0.3	7	
7.9–8.8	7A0215	0.012	0.2	0.015	0.4	3	<1.2	<0.3	7	
8.8–10.0	7A0216	0.04	0.3	0.15	0.3	5	<1.2	<0.3	2	
10.0–11.0	7A0217	0.012	<0.1	0.03	0.2	<0.5	<1.2	<0.3	2	
11.0–12.0	7A0218	0.2	0.7	0.015	0.3	5	1.5	<0.3	1.2	
12.0–12.9	7A0219	0.7	0.3	0.012	0.15	7	<1.2	<0.3	1.2	
12.9–13.9	7A0220	<0.012	0.5	0.012	0.7	3	1.2	<0.3	5	
13.9–14.9	7A0221	0.03	0.3	0.02	0.5	2	1.2	<0.3	9	
14.9–15.9	7A0222	0.012	0.5	0.015	1.5	2	<1.2	<0.3	9	
15.9–16.9	7A0223	0.09	0.9	0.015	1	3	1.2	<0.3	12	
16.9–17.9	7A0224	0.07	0.5	0.015	1.2	1.5	<1.2	<0.3	15	
17.9–18.9	7A0225	0.7	0.7	0.012	1.2	1.2	1.5	<0.3	7	
18.9–19.9	7A0226	0.2	0.5	0.012	0.7	1.2	1.2	<0.3	9	
19.9–20.9	7A0227	0.15	1.2	0.03	3	2	1.2	<0.3	20	I (21.0)
20.9–21.9	7A0228	0.15	0.9	0.015	0.9	1.5	<1.2	<0.3	20	
21.9–22.9	7A0229	0.15	1.2	0.02	2	1.5	<1.2	<0.3	12	
22.9–23.9	7A0230	0.07	1.2	0.03	1.5	0.9	1.2	<0.3	9	
23.9–24.9	7A0231	0.4	1.2	0.03	1.5	1.5	1.5	<0.3	15	
24.9–25.9	7A0232	0.012	1.5	0.04	1.5	2	1.2	<0.3	15	
25.9–27.3	7A0233	0.012	0.9	0.02	1.5	0.4	<1.2	<0.3	20	
27.3–28.3	7A0234	0.4	1.2	0.04	1.5	2	<1.2	<0.3	30	
34.9–35.9	7A0235	0.6	2.0	0.07	1.5	1.2	<1.2	<0.3	40	
35.9–36.9	7A0236	0.5	0.4	0.012	1.2	3	<1.2	<0.3	9	
36.9–37.9	7A0237	0.02	0.5	0.015	1.2	2	<1.2	<0.3	7	
37.9–38.9	7A0238	0.07	0.5	0.015	2	4	<1.2	<0.3	7	
38.9–39.9	7A0239	0.4	<0.1	0.009	1.2	-	<1.2	<0.3	7	
39.9–40.9	7A0240	0.015	0.7	0.02	1.2	3	1.2	<0.3	9	
40.9–41.9	7A0241	0.12	0.5	0.07	1.5	4	1.2	<0.3	9	
41.9–42.9	7A0242	0.15	0.5	0.03	1.2	1.3	<1.2	<0.3	20	
42.9–43.9	7A0243	0.012	0.2	0.017	1.2	1.2	<1.2	<0.3	12	
43.9–44.9	7A0244	0.15	0.7	0.02	1.2	1.5	<1.2	<0.3	15	
44.9–45.9	7A0245	0.04	0.3	0.009	1.5	1.5	<1.2	<0.3	12	
45.9–46.9	7A0246	0.5	0.3	0.012	1.2	3	2	<0.3	9	
46.9–47.5	7A0247	0.012	0.15	0.009	1.5	3	<1.2	<0.3	7	
47.5–48.9	7A0248	0.07	0.5	0.015	1.5	1.5	<1.2	<0.3	20	
48.9–49.9	7A0249	0.15	0.4	0.03	1.5	2	<1.2	<0.3	20	

GEOLOGIC CORE LOG OF MJKA-9 (2/5)

1/200

MJKA－9 (2／5)　5 0 m ～ 1 0 0 m

Level	1, 929. 8m	Direction	105°
X	78. 9m	Inclination	-55°
Y	352. 3m	Length	210. 2m

DEPTH (m)	DESCRIPTIONS
51.6	36.9-51.6m, pale green to brown silicified skarn
54.0	51.6-54.0m, W:2.4m, pyroxene wollastonite skarn around 52.2m, pale brown garnet 5±5mm grain
	54.0-71.4m, W=17.4m, pyroxene skarn, partly silicification, micropyritization
57.8	57.8m, calcite vein W=1cm (40)
	59.8-60.2m, wollastonite rich
60.0	60.0m, pyrite quartz-calcite vein, W=4-5cm (40)
	63.8-64.8m, wollastonite rich
64.5	64.4m, 3 quartz veins, W=0.5cm
64.8	64.8m, calcite vein, W=0.5cm (40)
	64.9-66m, wollastonite rich
66.9	66.9m, pyrite quartz vein, W=1cm (50) 66.9-67.5m, pyrite imp.
68.9	68.9m, quartz vein, W=0.5-1cm (30)
71.4	71.4-73.4m, limonitizated granodiorite
73.4	73.4-73.8m, W=0.4m, pyroxene skarn
73.8	73.8-74.0m, marble, fresh
74.0	74.0-75.0m, yellow ochre epidote skarn, lamprophyre origin
75.0	75.0-76.1m, lamprophyre, plagioclase phenocryst remained
76.1	76.1-78.1m, yellow ochre epidote skarn, weak limoniteization lamprophyre origin, porphyritic texture remained
78.1	78.1-85.1m, granodiorite, biotitization
85.1	85.1-86.4m, pyroxene skarn, pyirite chalcopyrite imp.
86.4	86.4-94.3m, granodiorite, biotite hornblende, crushed core
94.3	94.3-95.5m, pale green aplite
95.5	95.5-96.4m, granodiorite, chloritization and partly serpentization
96.4	96.4-97.0m, pale green aplite
97.0	97.0-135.2m, brownish altered marble, becciated structure, limonite network developed
98.1	98.1m, calcite vein W=1cm (40)

DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Sb	Mo	LAB. TEST
–50.9	7A0250	0.012	0.9	0.015	1.5	3	<1.2	<0.3	20	
50.9–51.6	7A0251	0.12	0.3	0.015	0.4	5	<1.2	<0.3	12	
51.6–52.6	7A0252	0.012	<0.1	0.003	0.15	12	<1.2	<0.3	1.2	
52.6–54.0	7A0253	0.05	<0.1	0.005	1.5	20	1.2	<0.3	3	
54.0–55.0	7A0254	0.8	0.3	0.007	3	3	<1.2	<0.3	8	
55.0–56.0	7A0255	0.012	0.8	0.015	5	4	<1.2	<0.3	20	
56.0–57.0	7A0256	0.012	0.5	0.012	1.5	3	<1.2	<0.3	12	
57.0–58.0	7A0257	0.03	0.15	0.007	0.9	5	<1.2	<0.3	12	
58.0–59.0	7A0258	0.09	0.4	0.015	1.2	7	<1.2	<0.3	30	
59.0–60.0	7A0259	0.12	1.2	0.02	2	4	<1.2	<0.3	15	P, F (60.0)
60.0–61.0	7A0260	1.0	0.15	0.012	0.9	12	<1.2	<0.3	9	
61.0–62.0	7A0261	0.7	0.3	0.012	1.2	12	<1.2	<0.3	5	
62.0–63.0	7A0262	1.0	0.3	0.015	1.2	9	1.2	<0.3	12	
63.0–64.0	7A0263	0.12	<0.1	0.009	0.7	20	<1.2	<0.3	3	
64.0–65.0	7A0264	0.07	<0.1	0.004	0.7	9	<1.2	<0.3	1.5	
65.0–66.0	7A0265	0.012	<0.1	0.004	1.2	9	<1.2	<0.3	2	
66.0–67.0	7A0266	0.12	0.3	0.015	1.2	1.2	<1.2	<0.3	7	
67.0–68.0	7A0267	1.2	20	0.5	2	12	1.2	<0.3	7	
68.0–69.0	7A0268	0.8	1.5	0.12	0.9	12	1.2	<0.3	3	
69.0–70.0	7A0269	0.2	0.7	0.03	0.7	12	<1.2	<0.3	2	
70.0–71.4	7A0270	0.4	0.7	0.03	1.2	12	2	<0.3	7	
71.4–72.4	7A0271	0.12	0.2	0.012	2	2	2	<0.3	20	
72.4–73.4	7A0272	0.015	0.12	0.007	1.5	2	1.5	<0.3	15	
73.4–73.8	7A0273	21.2	1.2	0.007	0.7	7	1.5	<0.3	4	
74.0–75.0	7A0274	0.12	<0.1	0.007	0.9	0.7	1.5	<0.3	40	
75.0–76.1	7A0275	0.012	<0.1	0.007	2	1.5	<1.2	<0.3	3	
76.1–77.1	7A0276	1.0	0.2	0.009	3	3	1.2	<0.3	9	
77.1–78.1	7A0277	1.8	0.15	0.007	3	2	2	<0.3	20	
78.1–79.1	7A0278	0.5	0.12	0.005	3	2	1.2	<0.3	15	
84.1–85.1	7A0279	0.12	1.5	0.07	0.7	1.5	1.2	<0.3	15	T (84.6)
85.1–86.4	7A0280	2.0	1.2	0.03	1.2	4	3	<0.3	9	P (85.3)
86.4–87.4	7A0281	0.03	0.2	0.007	1.5	2	1.2	<0.3	9	

GEOLOGIC CORE LOG OF MJKA-9 (3/5)

1/200

MJKA-9 (3/5) 100m ~ 150m

Level 1,929.8m Direction 105°
X 78.9m Inclination -55°
Y 352.3m Length 210.2m

LITHO-LOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Sb	Mo	LAB. TEST
	100.4 (40)	97.0-135.2m, brownish altered marble, brecciated structure, limonite network developed partly silicification											
		100.4m, arsenopyrite vein W=1.5cm											
	102.5 (10)	102.5m, calcite vein W=1cm											
		102.7m, arsenopyrite vein W:0.5cm											
		104.8-105.0m, white dolomitic marble											
		105.5-105.7m, white dolomitic marble, malachite 2mm											
	108.1 (15)	108.1m, arsenopyrite vein W=0.3cm											
		113.1-113.3m, white dolomitic marble											
	113.5 (40)	113.5m, clay vein W=0.5cm											
	116.5 (40)	116.5m, cal vein W=0.5cm											
	123.8	123.8m, fracture with limonite W=0.5cm											
	124.3 (45)	124.3m, fracture with lomonite W=5mm											
	125.4 (30)	125.4m, cal vein W=1cm											
	128.0	128.0m, cal vein W=0.5cm											
		128.45m, cal vein W=0.5cm											
	128.8 (60)	128.8m, cal vein W=4cm											
		129.3m, arsenopyrite imp.											
		around 128-130m, pale greenish fluorite observed											
	133.4 (63)	133.4m cal vein W=1cm											
		134.8m W=10cm aplite, biotite contained											
	135.2	135.2-137.5m, sheared zone with clay											
	137.5	137.5-141.0m, altered granodiorite, hornblende, biotite included											
	140.7	140.7m arsenopyrite quartz vein W=4cm	140.7	7A0384									P
	141.0 (60)	141.0-143.5m, aplite, biotite include											
	142.0 (60)	142.0m, clay vein W=4cm											
	143.5	143.5-144.2m, brownish altered granodiorite, strongly limonitizaed											
	144.2	144.2-144.8m, aplite, biotite include											
	144.8	144.8-146.4m, granodiorite											
	146.4	146.4-162.5m, chlorite altered microdiorite, biotite hornblende include											

GEOLOGIC CORE LOG OF MJKA-9 (4/5)

1/200

MJKA-9 (4/5) 150m ~ 200m

Level	1,929.8m	Direction	105°
X	78.9m	Inclination	-55°
Y	352.3m	Length	210.2m

LITHO-LOGY	DEPTH (m)	DESCRIPTIONS
		146.4-162.5m, chlorite altered microdiorite, biotite hornblende contained, partly W=10cm granodiorite
	162.5	162.5-164.5m, microdiorite
	164.5	164.5-167.1m, chloritizated microdiorite
	167.1	167.1-174.2m, biotite hornblende microdiorite
	169.5	169.5m, calcite vein, W=0.5cm (20)
	174.2	174.2-177.6m, chloritizated microdiorite
	177.6	177.6-178.8m, biotite hornblende microdiorite
	178.8	179.0m, shear with greenish clay, W=2cm (10)
	179.0	178.8-180.2m, chloritizated microdiorite
	180.2	180.2-198.8m, biotite hornblende microdiorite
	185.3	185.3m, quartz vein, W=1cm (10)
		186.2-186.5m, chloritization part
		around 187m feldspar phenocryst (1.5+0.5cm)
		191-193m, chloritization part
	193.4	193.4m, calcite vein, W=0.5cm (50)
	198.8	198.8-210.2m, hornblende granodiorite

DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Sb	Mo	LAB. TEST	
	7A0385									I	173.8

GEOLOGIC CORE LOG OF MJKA-9 (5/5)

1/200

MJKA-9 (5/5) 200m ~ 210m

Level	1,929.8m	Direction	105°
X	78.9m	Inclination	-55°
Y	352.3m	Length	210.2m

LITHOLOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Sb	Mo	LAB. TEST
		198.8-210.2m, porphyritic hornblende granodiorite, plagioclase rich 200.5-210.2m limonitization along joints, crushed along joints											
	210.2	(210.2m, end of drilling)											

GEOLOGIC CORE LOG OF MJKA-10 (1/3)

1/200

Level	1,930.7m	Direction	105°
X	52.0m	Inclination	0°
Y	286.3m	Length	111.9m

MJKA-10 (1/3) 0m ~ 50m

DESCRIPTIONS

DEPTH (m)	DESCRIPTIONS
8.0	0-8.0m, dark brown to green silicified skarn strong crushed
13.5	8.0-13.5m, altered granodiorite, biotitization rich
13.5	13.5-13.6m, W=0.1m pyroxene skarn
14.4	13.6-14.4m, altered granodiorite
15.2	14.4-15.5m, W=1.1m pyroxene skarn 15.2m, W=0.1m shear with quartz pyrite veinlet
15.5	15.5-18.3m, silicified skarn 16.4m, calcite vein 0.2cm 17.0m joint 60°, 18.2m joint 30°
18.3	18.3-19.0m, W=0.7m pyroxene skarn
19.0	19.0-20.0m, silicified skarn
20.0	20.0-36.5m, W=16.5m pyroxene skarn 20.35m, banding structure with 70° 20.8m, calcite pyrite vein W=2cm 21.4m, 25°, calcite vein W=1cm 22.0m, py-cp spot 2X2cm 24.5m, py spot. 24.5-24.7m py imp. 24.7m, calcite vein W=1cm around 25m, py imp. bornite (?) imp. around 27m, cp py imp. 28-30m, epidote pyroxene skarn, limonitization, quartz contained 34.2m, calcite vein W=0.6cm 36-36.5m, calcite veinlet W=2-3mm of 30°-35°
36.5	36.5-44.1m, pale greenish white wollastonite skarn, pyroxene contained 42m, banded structure of pyroxene veinlet
44.1	44.1-46.15m, pyroxene skarn, fine pyrite imp.
46.15	46.15-49.15, pale greenish white silicified skarn, wollastonite contained, fine pyrite imp. 47-49m, banded structure of pyroxene veinlet
49.15	49.15-50.15m, wollastonite skarn

ASSAY RESULT

DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Sb	Mo	LAB. TEST
0.0-1.0	7A0001	0.15	3	0.03	1.5	3	1.2	<0.3	9	
1.0-2.0	7A0002	<0.012	0.7	0.0015	0.9	2	1.2	<0.3	15	
2.0-3.0	7A0003	0.03	1.2	0.02	0.9	2	1.5	<0.3	7	
3.0-4.0	7A0004	0.09	0.5	0.0013	1.5	1.5	1.2	<0.3	9	
4.0-5.0	7A0005	0.05	0.9	0.0013	1.5	1.2	1.5	0.3	12	
5.0-6.0	7A0006	0.05	0.9	0.02	1.5	1.5	1.2	<0.3	9	
6.0-7.0	7A0007	0.15	0.9	0.02	1.5	1.5	3	0.3	20	
7.0-8.0	7A0008	0.12	0.5	0.015	1.5	0.9	2	<0.3	20	
8.0-9.0	7A0009	0.2	1.5	0.03	2	0.9	<1.2	<0.3	30	
13.5-14.4	7A0010	0.12	0.9	0.02	3	1.2	<1.2	<0.3	9	
14.4-15.5	7A0011	0.04	1.2	0.02	0.5	3	2	0.4	15	
15.5-16.5	7A0012	0.05	0.5	0.012	0.7	1.5	2	<0.3	20	
16.5-17.5	7A0013	0.40	0.9	0.02	0.9	2	<1.2	0.3	7	
17.5-18.3	7A0014	0.15	1.5	0.03	3	1.5	1.2	<0.3	9	
18.3-19.0	7A0015	0.70	0.7	0.007	0.12	2	<1.2	0.3	7	
19.0-20.0	7A0016	0.05	0.7	0.009	0.4	2	1.2	0.3	7	
20.0-21.0	7A0017	0.30	0.9	0.03	0.3	4	1.2	0.3	7	P (20.8)
21.0-22.0	7A0018	0.40	0.7	0.02	0.3	4	<1.2	<0.3	9	F (21.4)
22.0-23.0	7A0019	0.15	0.2	0.01	0.4	4	<1.2	0.3	9	
23.0-24.0	7A0020	0.40	0.5	0.03	0.12	5	<1.2	0.3	1.2	T (23.3)
24.0-25.0	7A0021	0.60	1.5	0.09	0.12	5	<1.2	0.4	3	
25.0-26.0	7A0022	1.10	12	0.09	0.2	5	<1.2	0.3	1.5	P (25.6)
26.0-27.0	7A0023	0.80	<0.1	0.007	0.15	9	1.5	<0.3	4	
27.0-28.0	7A0024	1.00	2	0.15	0.15	9	4	0.3	3	
28.0-29.0	7A0025	0.60	0.9	0.07	0.12	7	1.2	0.3	2	
29.0-30.0	7A0026	1.20	15	0.4	0.12	12	3	0.4	7	
30.0-31.0	7A0027	0.60	2	0.07	0.12	12	3	0.3	4	
31.0-32.0	7A0028	1.2	2	0.2	1.5	15	3	0.7	7	
32.0-33.0	7A0029	0.8	0.5	0.05	0.3	12	1.2	0.3	2	
33.0-34.0	7A0030	0.15	<0.1	0.012	0.12	5	1.2	0.3	<1.2	
34.0-35.0	7A0031	1.00	0.4	0.015	0.2	12	3	0.3	4	
35.0-36.0	7A0032	1.00	0.5	0.02	0.3	12	15	0.3	20	
36.0-36.5	7A0033	2.30	0.9	0.12	0.15	12	5	0.3	3	
36.5-37.5	7A0034	0.04	0.3	0.01	0.2	4	1.2	<0.3	2	
37.5-38.5	7A0138	<0.012	<0.1	0.012	0.3	7	<1.2	<0.3	15	
38.5-39.5	7A0139	<0.012	<0.1	0.02	0.4	7	<1.2	<0.3	9	
39.5-40.5	7A0140	<0.012	0.15	0.009	0.9	5	<1.2	<0.3	7	
40.5-41.5	7A0141	0.012	<0.1	0.005	0.4	5	<1.2	<0.3	3	
41.5-42.5	7A0142	<0.012	<0.1	0.005	0.2	4	<1.2	<0.3	4	T (41.7)
42.5-43.5	7A0143	0.012	<0.1	0.002	0.9	5	<1.2	<0.3	4	
43.5-44.1	7A0144	0.05	<0.1	0.01	0.3	9	1.2	<0.3	2	
44.1-45.1	7A0145	0.3	<0.1	0.009	0.3	7	1.2	<0.3	7	
45.1-46.15	7A0146	0.012	<0.1	0.012	0.15	3	<1.2	<0.3	3	
46.15-47.15	7A0147	0.15	0.4	0.015	0.7	3	<1.2	<0.3	7	
47.15-48.15	7A0148	0.05	0.3	0.012	1.2	0.7	<1.2	<0.3	30	
48.15-49.15	7A0149	0.012	0.5	0.015	2	1.2	<1.2	<0.3	40	
49.15-	7A0150	0.012	0.7	0.012	0.5	3	<1.2	<0.3	5	

GEOLOGIC CORE LOG OF MJKA-10 (2/3)

1/200

Level 1,930.7m Direction 105°
X 52.0m Inclination 0°
Y 286.3m Length 111.9m

MJKA-10 (2/3) 50m ~ 100m

DEPTH (m)	DESCRIPTIONS
50.15	50.15-53.5m, pale greenish white silicified skarn, wollastonite included, banded structure of pyroxene veinlet
53.5	53.5-55.0m, silicified pyroxene-wollastonite skarn
55.0	55.0-56.6m, pyroxene wollastonite skarn
56.6	56.6-56.95m, pyroxene skarn
56.95	56.95-57.95m, pyroxene wollastonite skarn (90)
57.95	57.95-58.5m, silicified epidote skarn
58.5	58.5-62.5m, weak silicified pyroxene wollastonite skarn (80)
60.5	60.5m, W=2cm epidote vein (70)
	around 62m, malachite cp py imp.
62.5	62.5-68.4m, pale green silicified skarn, strong silicification, pyroxene skarn origin
67.7	67.7m, W=1-0.5cm quartz vein
68.4	around 68m, py imp.
68.8	68.4-68.8m, epidote skarn (40)
	68.8-89.8m, pale green silicified skarn
69.8	69.5-69.8m, W=30cm pyroxene wollastonite skarn
	69.8m, W=1cm quartz-calcite epidote vein (60)
73.5	73.5-75.0m, W=1.5m druse ?, because of non-recovery of core
75.0	76.0-80.1m strong crushed, fracture developed
	80.1-82.9m, limonitization
	80.3m banded structure of 30° of limonitization
	81.7-89m, strong crushed along fracture
88.0	88.0m W=0.5cm, calcite vein (70)
89.8	89.8-111.9m, brown weak silicified marble, limonitization
97.8	97.8m calcite vein, W=1cm
98.1	98.1m, quartz vein W=1cm (65)
	96.5-98.2m, malachite imp.

DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Sb	Mo	LAB. TEST
50.15-51.15	7A0151	0.012	0.3	0.012	0.9	2	<1.2	<0.3	9	
51.15-52.15	7A0152	<0.012	0.5	0.012	1.2	2	<1.2	<0.3	9	
52.15-53.5	7A0153	0.02	0.3	0.012	0.9	2	<1.2	<0.3	15	
53.5-55.0	7A0154	0.03	0.7	0.012	1.2	4	<1.2	<0.3	7	
55.0-56.0	7A0155	0.02	0.3	0.009	0.7	5	<1.2	<0.3	12	
56.0-56.95	7A0156	<0.012	<0.1	0.003	0.7	15	<1.2	<0.3	5	
56.95-57.95	7A0157	0.012	<0.1	0.007	0.7	5	<1.2	<0.3	7	
57.95-58.5	7A0158	0.012	0.4	0.05	0.12	12	3	<0.3	7	
58.5-59.5	7A0159	0.012	<0.1	0.005	0.5	5	<1.2	<0.3	12	
59.5-60.5	7A0160	0.012	<0.1	0.005	0.3	1.5	<1.2	<0.3	9	
60.5-61.5	7A0161	0.012	0.2	0.012	0.4	9	<1.2	3	15	
61.5-62.5	7A0162	0.012	0.15	0.002	0.9	3	<1.2	<0.3	7	
62.5-63.5	7A0163	0.012	0.2	0.009	1.5	5	<1.2	<0.3	20	
63.5-64.5	7A0164	<0.012	0.15	0.015	1.2	7	<1.2	<0.3	7	
64.5-65.5	7A0165	0.012	0.15	0.009	0.3	3	<1.2	<0.3	20	
65.5-66.5	7A0166	0.012	0.12	0.009	1.5	4	<1.2	<0.3	90	
66.5-67.5	7A0167	0.03	0.15	0.012	0.7	3	<1.2	<0.3	20	
67.5-68.4	7A0168	0.07	0.1	0.02	1.5	9	1.2	<0.3	30	
68.4-68.8	7A0169	0.15	<0.1	0.005	1.5	1	<1.2	<0.3	7	
68.8-69.8	7A0170	0.3	0.2	0.005	0.2	9	<1.2	<0.3	12	
69.8-70.8	7A0171	0.015	0.2	0.015	2	5	<1.2	<0.3	12	
70.8-71.8	7A0172	0.015	0.4	0.009	0.9	2	<1.2	<0.3	7	
71.8-72.8	7A0173	0.07	0.7	0.012	1.5	2	<1.2	<0.3	7	
72.8-73.5	7A0174	0.12	0.9	0.02	0.7	3	<1.2	<0.3	5	
75.0-76.0	7A0175	0.05	0.7	0.015	0.4	2	<1.2	<0.3	7	
76.0-77.0	7A0176	0.03	0.9	0.015	0.4	2	<1.2	<0.3	7	
77.0-78.0	7A0177	0.05	1.2	0.015	2	2	<1.2	<0.3	15	
78.0-79.0	7A0178	0.15	2	0.05	0.4	2	<1.2	<0.3	30	
79.0-80.0	7A0179	0.15	1.5	0.04	0.7	2	1.2	<0.3	20	
80.0-81.0	7A0180	0.012	0.7	0.012	0.9	1.5	<1.2	<0.3	7	
81.0-82.0	7A0181	0.04	0.4	0.007	2	3	<1.2	<0.3	12	
82.0-83.0	7A0182	0.03	0.9	0.009	0.3	2	<1.2	<0.3	20	
83.0-84.0	7A0183	0.12	0.7	0.015	0.5	2	<1.2	<0.3	9	
84.0-85.0	7A0184	0.012	1.5	0.04	0.5	4	<1.2	<0.3	12	
85.0-86.0	7A0185	0.04	0.9	0.02	1.5	1.5	<1.2	<0.3	30	
86.0-87.0	7A0186	0.05	1.2	0.03	1.2	0.5	1.2	<0.3	15	
87.0-88.0	7A0187	0.07	1.5	0.07	0.9	0.5	2	<0.3	12	
88.0-89.0	7A0188	0.02	1.2	0.03	0.5	4	<1.2	<0.3	7	
89.0-89.8	7A0189	0.07	0.7	0.015	1.2	4	1.2	<0.3	70	
89.8-90.8	7A0190	0.4	4	0.012	<0.1	1.2	4	<0.3	9	
90.8-91.8	7A0191	0.2	5	0.009	<0.1	0.5	2	0.5	7	
91.8-92.8	7A0192	0.3	3	0.03	0.2	1.2	15	1.2	30	
92.8-93.8	7A0193	0.09	2	0.03	0.12	0.5	2	0.4	15	
93.8-94.8	7A0194	0.03	0.7	0.012	0.12	1.5	2	0.4	30	
94.8-95.8	7A0195	0.07	1.5	0.03	0.3	0.4	2	0.5	20	
95.8-96.8	7A0196	0.07	2	0.02	<0.1	0.5	2	1.5	9	
96.8-97.8	7A0197	0.9	3	0.4	0.5	1.2	9	1.2	15	
97.8-98.8	7A0198	0.15	1.5	0.09	0.5	5	4	0.9	120	
98.8-99.8	7A0199	0.05	0.9	0.07	0.3	1.2	1.2	0.3	40	

GEOLOGIC CORE LOG OF MJKA-10 (3/3)

1/200

Level 1,930.7m Direction 105°
X 52.0m Inclination 0°
Y 286.3m Length 111.9m

MJKA-10 (3/3) 100m ~ 112m

DEPTH (m)	DESCRIPTIONS
	89.8-111.9m, brown weak silicified marble, limonitiztion
	98.5-111.74m, strong crushed
	around 110m malachite imp.
111.9	(111.9m, end of drilling)

DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Sb	Mo	LAB. TEST
100.8	7A0200	0.012	0.9	0.015	0.15	0.5	1.2	<0.3	20	
101.8	7A0201	0.07	0.9	0.03	0.3	2	1.2	<0.3	15	
102.8	7A0202	0.04	1.5	0.02	0.3	1.2	1.2	<0.3	9	
103.8	7A0203	0.02	1.2	0.02	0.3	1.5	1.2	<0.3	15	
104.8	7A0204	0.012	1.2	0.03	0.2	2	1.5	<0.3	30	
105.8	7A0205	0.07	1.5	0.09	0.9	0.7	1.5	<0.3	40	
106.8	7A0206	0.15	1.5	0.04	0.7	0.7	1.2	<0.3	70	
107.8	7A0207	0.05	2	0.03	0.3	0.7	7	<0.3	12	
108.8	7A0208	0.02	0.8	0.012	0.12	<0.5	<1.2	<0.3	7	
109.8	7A0209	0.012	1.2	0.03	0.15	0.7	<1.2	<0.3	12	
110.8	7A0210	0.03	1.5	0.12	0.3	1.2	1.2	<0.3	30	
111.9	7A0211	0.02	1.5	0.07	0.4	1.2	1.2	<0.3	20	

GEOLOGIC CORE LOG OF MJKA-11 (1/5)

1/200

MJKA-11 (1/6) 0m ~ 50m

Level 1,930.7m Direction 105°
X 52.0m Inclination -45°
Y 286.3m Length 204.9m

DESCRIPTIONS

Depth (m) markers: 10.4, 10.5, 11.7, 12.4, 13.0, 19.5, 27.9, 29.4, 32.8, 47.0 (20), 49.3 (60)

0-0.5m, detritus

0.5-10.4m, pale green silicified skarn,
strong silicification, limonitization
pyroxene skarn origin,
fine pyrite imp.

10.4-10.5m, W=10cm pyroxene skarn

10.5-12.4m, pale green silicified skarn

11.7m, quartz vein, W=5cm

12.4-13.0m, W=60cm pyroxene skarn,
limonite along joint of 20-40

13.0-27.9m, pale green to brownish silicified skarn,
pyroxene skarn origin

around 16.3m, banded structure of 60,
showing injection of silicification

around 19m, banded structure of 60-30

19.5-19.9m, quartz veins with pyrite and
arsenopyrite. W=0.5-1cm

27.9-29.4m, shear zone wiyh yellowish gray clay vein
28.5-29.4m, W=90cm non-core

29.4-32.8m chlorite altered granodiorite,
limonitization

31.55-31.9m, W=40cm non-core

32.8-54.0m, pale green to brownish silicified skarn,
pyroxene skarn origin, brecciated structure,
strong silicification,
pyroxene veinlets (35.9)

38-40m, biotitization rich

40.4m, pyroxene skarn spot 10*10cm

43-45m, wollastonite veinlete along joints

44-50m, banded structure of 80

47.0m, calcite vein W=1.5-2cm, pyrite imp.

48-52m, limonitization along joints and cracks

49.3m, quartz vein W=2cm

ASSAY RESULT

DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Sb	Mo	LAB. TEST
0.5–1.0	7A0282	0.015	0.7	0.015	2	2	1.2	<0.3	7	
1.0–2.0	7A0283	0.02	0.3	0.012	0.7	2	<1.2	<0.3	5	
2.0–3.0	7A0284	0.03	0.5	0.015	1.5	1.5	<1.2	<0.3	9	
3.0–4.0	7A0285	0.03	1.2	0.03	1.2	3	<1.2	<0.3	30	
4.0–5.0	7A0286	0.2	0.4	0.02	0.3	0.3	<1.2	<0.3	9	
5.0–6.0	7A0287	0.02	0.7	0.02	3	2	<1.2	<0.3	9	
6.0–7.0	7A0288	0.012	0.2	0.012	0.9	1.5	<1.2	<0.3	5	
7.0–8.0	7A0289	0.07	0.4	0.015	1.2	1.5	<1.2	<0.3	5	
8.0–9.0	7A0290	0.04	0.2	0.015	1.2	2	<1.2	<0.3	7	
9.0–10.0	7A0291	0.04	0.7	0.02	1.5	2	<1.2	<0.3	12	
10.0–11.0	7A0292	0.012	<0.1	0.007	0.7	2	1.2	<0.3	9	
11.0–12.4	7A0293	0.12	0.7	0.015	1.2	3	<1.2	<0.3	7	
12.4–13.0	7A0294	<0.012	0.2	0.012	0.7	4	1.2	<0.3	7	
13.0–14.0	7A0295	0.015	0.9	0.03	3	2	1.2	<0.3	7	
14.0–15.0	7A0296	0.012	0.9	0.015	4	4	1.2	<0.3	9	
15.0–16.0	7A0297	0.012	0.5	0.015	2	2	1.2	<0.3	12	
16.0–17.0	7A0298	0.02	0.5	0.02	3	1.2	<1.2	<0.3	9	
17.0–18.0	7A0299	0.015	0.4	0.015	2	2	<1.2	<0.3	7	
18.0–19.0	7A0300	0.015	0.15	0.012	1.2	0.4	<1.2	<0.3	5	
19.0–20.0	7A0301	0.12	0.3	0.012	0.7	1.5	<1.2	<0.3	300	
20.0–21.0	7A0302	0.015	0.5	0.015	2	1.5	1.2	<0.3	40	
21.0–22.0	7A0303	0.02	0.7	0.02	1.2	1.5	<1.2	<0.3	9	
22.0–23.0	7A0304	0.2	1.2	0.04	1.5	1.5	<1.2	<0.3	9	
23.0–24.0	7A0305	0.07	0.9	0.02	2	1.2	<1.2	<0.3	15	
24.0–25.0	7A0306	0.02	0.4	0.015	1.5	1.2	<1.2	<0.3	9	
25.0–26.0	7A0307	0.02	0.2	0.012	1.5	1.2	<1.2	<0.3	9	
26.0–27.0	7A0308	0.15	0.9	0.03	1.5	1.5	<1.2	<0.3	12	
27.0–27.9	7A0309	0.3	0.9	0.03	1.5	1.5	<1.2	<0.3	9	X (28.0)
27.9–	7A0386									
31.8–32.8	7A0310	0.3	0.7	0.015	0.5	0.3	<1.2	<0.3	40	
32.8–33.8	7A0311	0.2	0.3	0.012	1.2	0.3	<1.2	<0.3	30	
33.8–34.8	7A0312	0.15	0.4	0.015	0.4	0.3	<1.2	<0.3	50	
34.8–35.8	7A0313	0.2	0.2	0.012	0.4	0.9	<1.2	<0.3	9	
35.8–36.8	7A0314	0.12	0.5	0.012	2	1.5	1.2	<0.3	9	
36.8–37.8	7A0315	0.6	0.15	0.007	0.9	1.2	<1.2	<0.3	15	
37.8–38.8	7A0316	0.07	0.3	0.012	0.5	1.2	2	<0.3	7	
38.8–39.8	7A0317	0.03	0.3	0.012	2	3	<1.2	<0.3	20	
39.8–40.8	7A0318	0.3	0.2	0.009	1.2	2	<1.2	<0.3	12	
40.8–41.8	7A0319	0.05	0.4	0.02	1.5	2	<1.2	<0.3	50	
41.8–42.8	7A0320	0.3	0.3	0.012	0.3	1.5	3	<0.3	9	
42.8–43.8	7A0321	0.07	0.12	0.005	0.2	1.2	<1.2	<0.3	12	
43.8–44.8	7A0322	0.5	0.7	0.015	1.5	3	20	<0.3	12	
44.8–45.8	7A0323	0.15	0.3	0.012	0.7	1.5	7	<0.3	9	
45.8–46.8	7A0324	0.07	0.4	0.009	<0.1	0.9	1.5	<0.3	7	
46.8–47.8	7A0325	0.5	0.3	0.007	0.3	1.5	1.2	<0.3	15	
47.8–48.8	7A0326	0.015	0.4	0.012	0.5	1.2	12	<0.3	9	
48.8–49.8	7A0327	0.12	0.3	0.005	0.2	0.9	1.2	<0.3	40	F (49.3)

GEOLOGIC CORE LOG OF MJKA-11 (2/5)

1/200

Level	1,930.7m	Direction	105°
X	52.0m	Inclination	-45°
Y	286.3m	Length	204.9m

MJKA-11 (2/5) 50m ~ 100m

DESCRIPTIONS

DEPTH (m)	DESCRIPTIONS
	32.8-54.0m, pale green to brown silicified skarn
51.6	51.6m, quartz vein, W=2cm
52.0	52.0m, quartz vein, W=1cm
	53.2m, and 53.5m each W=10cm pyroxene skarn remain
54.0	54.0-57.7m, dark gray granodioritic porphyry, biotite, hornblede, plagioclase rich, phenocryst of plagioclase max. 0.5+1cm
57.7	(57.7m)
	57.7-59.1m, pale green silicified skarn
59.1	59.1-62.1m, pale green to brown aplitic rock, limonite network
62.1	62.1m, gray olive clay v, W=2-3cm
	62.1-64.6m, pinkish aplitic rock, limonite network
64.1	64.1m, gray clay v, W=1cm
64.6	64.6-73.4m, aplitic rock, limonite calcite network
66.4	66.4m, olive clay v, sticky, W=2cm
66.8	66.8m, olive clay v, W=4cm
	67.2m, olive clay v, sticky, W=2cm
67.4	67.4m, olive clay v, sticky, W=2cm
73.4	73.4-78.0m, gray mdg bio-granodiorite
78.0	78.0-78.4m, chlorite pyroxene skarnized rock
78.4	78.4-80.0m, pyroxene skarn, 78.4-78.5m py conc.
80.0	80.0-82.8m, chlorite pyroxene skarnized rock
82.8	82.8-86.0m, W=3.2m, olive sticky clay
86.0	86.0-94.1m, fng hb-bio granodiorite
91.05	91.05m, clay with weathered granodiorite, W=5cm
94.1	94.1-97.1m, W=3.0m, yellow ochre yellow sticky clay with limonitizatied granodiorite pebbles
97.1	97.1-100.2m, limonitied aplite, 98-99m, arsenopyrite imp.

ASSAY RESULT

DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Sb	Mo	LAB. TEST
-50.8	7A0328	0.2	0.15	0.009	2	2	1.2	<0.3	20	
50.8-51.8	7A0329	0.03	0.2	0.012	5	9	30	0.3	70	
51.8-52.8	7A0330	0.3	0.7	0.012	1.2	3	1.5	<0.3	20	
52.8-54.0	7A0331	0.3	1.2	0.03	1.5	5	1.2	<0.3	40	
54.0-55.0	7A0332	0.6	0.2	0.007	1.5	0.4	1.5	<0.3	9	I (55.0)
55.0-56.0	7A0710	0.15	<0.1	0.007	0.7	0.3	<1.2	<0.3	5	
56.0-57.0	7A0711	0.012	<0.1	0.005	1.2	0.4	<1.2	<0.3	7	
57.0-57.7	7A0712	0.012	<0.1	0.002	1.2	0.3	<1.2	<0.3	15	
57.7-59.1	7A0713	0.07	0.3	0.015	0.12	2	5	<0.3	20	
59.1-60.1	7A0714	0.07	<0.1	0.005	0.12	3	1.2	<0.3	4	
60.1-61.1	7A0715	0.015	<0.1	0.007	0.12	0.7	1.5	<0.3	5	
61.1-62.1	7A0716	0.09	0.5	0.02	0.12	1.2	3	<0.3	5	
62.1-63.1	7A0717	0.09	0.4	0.012	0.2	1.2	7	<0.3	9	
63.1-64.6	7A0718	0.07	0.12	0.012	0.2	0.7	5	<0.3	7	
64.6-65.6	7A0719	0.07	0.12	0.009	0.15	0.9	4	<0.3	3	
65.6-66.6	7A0720	0.07	0.12	0.009	0.15	1.5	4	0.3	9	
66.6-67.6	7A0721	0.3	0.2	0.009	0.15	1.2	3	0.3	7	X (67.2)
67.6-68.6	7A0722	0.2	0.2	0.012	0.3	1.2	3	0.4	7	
68.6-69.6	7A0723	0.4	0.4	0.015	0.2	1.2	7	0.5	9	
69.6-70.6	7A0724	0.3	0.3	0.012	0.2	1.5	4	0.5	12	
70.6-71.6	7A0725	0.12	0.2	0.012	0.2	1.2	4	0.4	7	
71.6-72.6	7A0726	1.0	0.5	0.012	0.7	1.5	7	0.4	12	
72.6-73.4	7A0727	0.8	0.5	0.007	0.3	0.5	7	0.3	12	
73.4-74.4	7A0728	1.2	0.7	0.02	0.4	0.3	<1.2	<0.3	9	
74.4-75.4	7A0729	0.8	0.9	0.03	0.7	0.3	1.2	<0.3	9	
75.4-76.4	7A0730	0.8	0.9	0.02	0.9	0.7	<1.2	<0.3	15	
76.4-78.0	7A0731	0.8	0.7	0.015	0.9	0.3	1.2	<0.3	12	
78.0-79.0	7A0732	0.5	0.5	0.02	0.3	3	2	<0.3	15	P (78.5) / T (78.6)
79.0-80.0	7A0733	0.6	0.2	0.015	0.4	4	4	0.4	12	
80.0-81.0	7A0734	0.8	0.12	0.09	0.3	3	4	<0.3	7	
81.0-82.0	7A0735	0.8	0.3	0.015	0.5	3	7	0.3	9	
82.0-82.8	7A0736	0.8	0.15	0.015	0.4	2	5	<0.3	7	
82.8-86.0	7A0792	1.2	0.4	0.009	1.2	0.9	1.2	<0.3	15	X (85.5)
86.0-87.0	7A0737	0.8	0.4	0.003	1.5	0.4	1.2	<0.3	9	
87.0-88.0	7A0738	0.8	0.12	0.005	1.5	0.3	1.2	<0.3	15	
88.0-89.0	7A0739	0.6	0.2	0.005	1.2	0.4	1.2	<0.3	4	
89.0-90.0	7A0740	0.8	0.2	0.005	1.5	0.3	<1.2	<0.3	3	
90.0-91.0	7A0741	0.8	0.12	0.002	1.2	0.3	<1.2	<0.3	3	
91.0-92.0	7A0742	0.8	0.12	0.007	2	0.3	1.2	<0.3	15	
92.0-93.0	7A0743	0.2	0.12	0.005	2	0.5	1.5	<0.3	4	
93.0-94.1	7A0744	0.8	<0.1	0.007	2	<0.3	<1.2	<0.3	15	
94.1-97.1	7A0793	0.8	0.5	0.005	1.5	0.4	5	<0.3	20	X (96.2)
97.1-98.1	7A0745	1.6	0.5	0.003	1.5	0.3	3	<0.3	15	
98.1-99.1	7A0746	1.2	0.12	0.003	1.5	<0.3	4	<0.3	50	
99.1-100.2	7A0747	1.0	<0.1	0.005	1.2	0.3	12	<0.3	40	

GEOLOGIC CORE LOG OF MJKA-11 (3/5)

1/200

MJKA-11 (3/5) 100m ~ 150m

Level 1,930.7m Direction 105°
X 52.0m Inclination -45°
Y 288.3m Length 204.9m

DESCRIPTIONS

Depth marks in log (m): 100.2, 104.4, 105.5, 105.8, 110.8, 111.4, 115.0, 122.0, 123.0

100.2-105.5m, mdg limonitizated granodiorite

101.6m, py imp.

102.2m, py imp.

104.4m, ochre clay v W:2cm

105.5-105.8m, bio-aplite, py molybdenite imp.

105.8-155.5m, limonitizated bio-hb granodiorite, partly K-feldspar contain

110.8m, clay v W=0.5cm

111.4m, cal-diop vein, W=0.5cm (40, 43)

111.5m, olive sticky clay, W=5cm

115.2m, malachite imp.

115.5-119m, sandy crushed

122.0m, cal-diop vein, W=1cm

123.0m, cal vein, W=0.5-1cm

146.1-147.6m, sandy crushed

DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Sb	Mo	LAB. TEST
100.2–101.2	7A0748	0.6	0.5	0.003	2	0.3	5	<0.3	70	
101.2–102.2	7A0749	0.5	0.2	0.002	1.2	0.3	3	<0.3	30	
102.2–103.2	7A0750	1.5	<0.1	0.005	2	0.3	15	<0.3	40	
103.2–104.2	7A0751	0.2	<0.1	0.003	2	0.4	3	<0.3	40	
104.2–105.5	7A0752	0.09	<0.1	0.007	2	0.7	1.2	<0.3	15	
105.5–105.8	7A0753	1.0	<0.1	0.005	1.5	<0.3	4	<0.3	200	
105.8–106.8	7A0754	1.0	<0.1	0.004	1.5	0.4	3	0.3	15	
106.8–107.8	7A0755	1.2	<0.1	0.002	1.5	0.4	3	0.3	12	
107.8–108.8	7A0756	1.6	<0.1	0.007	2	0.3	7	0.3	15	
108.8–109.8	7A0757	1.0	0.12	0.005	3	0.5	3	0.3	20	
109.8–110.8	7A0758	0.9	<0.1	0.003	1.2	0.4	1.5	<0.3	15	
110.8–111.8	7A0759	0.5	<0.1	0.003	1.5	0.4	1.2	<0.3	12	
111.8–112.8	7A0760	0.8	<0.1	0.005	1.5	0.3	<1.2	<0.3	15	
112.8–113.8	7A0761	0.2	<0.1	0.007	1.5	0.3	1.2	<0.3	20	
113.8–114.8	7A0762	0.5	<0.1	0.005	1.2	1.2	2	<0.3	15	
114.8–115.8	7A0763	1.0	0.3	0.012	0.9	<0.3	1.5	<0.3	15	
115.8–116.8	7A0764	2.8	0.12	0.007	0.7	<0.3	2	<0.3	12	
116.8–117.8	7A0765	1.2	0.4	0.007	1.5	0.3	15	<0.3	15	
117.8–118.8	7A0766	1.0	0.12	0.005	1.2	<0.3	5	<0.3	40	
118.8–119.8	7A0767	0.3	<0.1	0.005	1.2	0.4	4	<0.3	40	
119.8–120.8	7A0768	1.0	<0.1	0.005	1.2	<0.3	3	<0.3	40	
120.8–121.8	7A0769	0.4	<0.1	0.003	1.5	0.3	1.5	<0.3	15	
121.8–122.8	7A0770	0.5	<0.1	0.005	1.5	0.3	2	<0.3	20	
122.8–123.8	7A0771	0.15	<0.1	0.012	0.9	<0.3	1.2	<0.3	3	
123.8–124.8	7A0851	0.012	<0.1	0.007	0.2	9	<1.2	<0.3	3	
124.8–125.8	7A0852	0.2	<0.1	0.012	2	0.4	3	<0.3	4	
125.8–126.8	7A0853	0.4	<0.1	0.005	1.2	0.3	3	<0.3	9	
126.8–127.8	7A0854	0.03	<0.1	0.003	1.2	0.3	1.2	<0.3	7	
127.8–128.8	7A0855	0.5	<0.1	0.005	1.5	0.3	3	<0.3	15	
128.8–129.8	7A0856	0.5	<0.1	0.007	1.2	0.4	2	<0.3	15	
129.8–130.8	7A0857	1.0	<0.1	0.004	1.5	0.4	2	0.3	12	
130.8–131.8	7A0858	1.6	<0.1	0.015	1.2	0.3	4	0.4	9	
131.8–132.8	7A0859	0.7	<0.1	0.007	1.5	0.3	4	0.3	12	
132.8–133.8	7A0860	1.0	<0.1	0.003	1.2	0.3	2	<0.3	15	
133.8–134.8	7A0861	0.5	<0.1	0.005	0.7	0.3	2	<0.3	40	
134.8–135.8	7A0862	0.8	<0.1	0.004	1.5	0.3	3	<0.3	5	
135.8–136.8	7A0863	0.3	<0.1	0.005	1.2	0.4	3	<0.3	9	
136.8–137.8	7A0864	0.4	<0.1	0.003	0.9	0.3	2	<0.3	50	
137.8–138.8	7A0865	0.6	<0.1	0.005	1.2	0.3	15	<0.3	150	
138.8–139.8	7A0866	0.2	<0.1	0.0015	0.7	0.3	1.2	<0.3	9	
139.8–140.8	7A0867	0.012	<0.1	0.005	1.5	0.7	3	<0.3	12	
140.8–141.8	7A0868	0.012	<0.1	0.009	2	0.4	3	<0.3	20	
141.8–142.8	7A0869	0.012	<0.1	0.0012	1.5	0.5	1.5	<0.3	12	
142.8–143.8	7A0870	<0.012	<0.1	0.002	1.2	0.4	<1.2	<0.3	3	
143.8–144.8	7A0871	0.012	<0.1	0.002	1.2	0.5	<1.2	<0.3	7	
144.8–145.8	7A0872	<0.012	<0.1	0.002	1.5	0.3	1.2	<0.3	9	
145.8–146.8	7A0873	0.09	<0.1	0.003	1.5	0.3	1.2	<0.3	9	
146.8–147.8	7A0874	0.2	<0.1	0.005	1.5	0.4	1.2	<0.3	4	
147.8–148.8	7A0875	0.05	<0.1	0.0015	1.2	0.3	<1.2	<0.3	5	
148.8–149.8	7A0876	0.012	<0.1	0.0012	1.5	0.3	<1.2	<0.3	4	

GEOLOGIC CORE LOG OF MJKA-11 (4/5)

1/200

MJKA-11 (4/5) 150m ~ 200m

Level 1,930.7m Direction 105°
X 52.0m Inclination -45°
Y 286.3m Length 204.9m

DESCRIPTIONS

LITHOLOGY depth boundary (m)	DESCRIPTIONS
	105.8-155.5m, limonitizated bio-hb granodirite
154.5	154.5m, shear zone, W:5cm
155.5	155.5-172.5m, hb bio granodirite
	158-164m, sandy crushed
	164-164.5m, sandy crushed
	169-170m, sandy crushed
172.5	172.5-181.5m, pale green aplite, arsenopyrite imp.
181.5	181.5-186.6m, fng hb bio granodiorite
	184.5-185.5m, sandy crushed
186.6	186.6-187.4m, pale green aplite
187.4	187.4-204.9m, fng greenish hb bio granodiorite
	187.5-188.5m, sandy crushed
	190.8-192m, sandy crushed

ASSAY RESULT

DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Sb	Mo	LAB. TEST
-150.8	7A0877	0.4	<0.1	0.004	1.5	0.3	2	<0.3	7	
150.8-151.8	7A0878	0.012	<0.1	0.007	2	0.7	1.2	<0.3	9	
151.8-152.8	7A0879	<0.012	<0.1	0.0012	0.3	<0.3	<1.2	<0.3	7	
152.8-153.8	7A0880	0.9	<0.1	0.0012	3	0.4	2	<0.3	5	
153.8-154.8	7A0881	0.15	<0.1	0.0015	1.5	0.3	2	<0.3	12	
154.8-155.5	7A0882	0.15	<0.1	0.007	1.2	0.3	1.5	<0.3	3	
167.5-168.5	7A1157	0.2	0.3	0.003	1.2	0.4	5	<0.3	15	
168.5-169.5	7A1158	0.12	<0.1	0.005	1.2	0.4	1.2	<0.3	15	
169.5-170.5	7A1159	0.07	<0.1	0.003	1.5	0.4	1.2	<0.3	12	
170.5-171.5	7A1160	0.12	<0.1	0.002	1.5	0.4	1.5	<0.3	30	
171.5-172.5	7A1161	0.3	<0.1	0.004	1.5	0.4	7	<0.3	20	
172.5-173.5	7A1162	1.2	0.2	0.001	0.9	0.4	30	<0.3	15	
173.5-174.5	7A1163	2.0	0.4	0.002	2	0.5	12	<0.3	15	
174.5-175.5	7A1164	1.0	0.2	0.003	2	0.7	20	<0.3	15	
175.5-176.5	7A1165	1.0	0.3	0.012	2	0.5	20	<0.3	120	
176.5-177.5	7A1166	0.5	<0.1	0.003	0.7	0.3	<1.2	<0.3	50	
177.5-178.5	7A1167	1.2	0.7	0.003	5	0.4	9	<0.3	12	
178.5-179.5	7A1168	0.4	<0.1	0.003	0.9	0.4	1.2	<0.3	15	
179.5-180.5	7A1169	0.04	0.12	0.002	0.9	0.3	1.2	<0.3	20	
180.5-181.5	7A1170	0.05	0.15	0.003	1.5	0.4	1.5	<0.3	50	
181.5-182.5	7A1171	0.9	0.12	0.003	1.2	0.4	4	<0.3	40	
182.5-183.5	7A1172	0.4	0.15	0.003	1.5	0.3	3	<0.3	120	
183.5-184.5	7A1173	1.0	<0.1	0.005	1.2	0.4	3	<0.3	30	
184.5-185.5	7A1174	0.4	0.12	0.005	1.5	0.4	1.2	<0.3	20	
185.5-186.6	7A1175	0.04	<0.1	0.003	1.2	0.3	<1.2	<0.3	20	
186.6-187.4	7A1176	0.012	<0.1	0.004	0.9	0.4	<1.2	<0.3	15	
187.4-188.4	7A1177	0.8	<0.1	0.005	0.7	0.3	1.5	<0.3	15	
188.4-189.4	7A1178	0.6	0.15	0.003	2	0.4	5	<0.3	20	
189.4-190.4	7A1179	0.3	<0.1	0.003	1.2	0.3	3	<0.3	15	
190.4-191.4	7A1180	0.9	<0.1	0.007	1.5	0.7	7	<0.3	30	
191.4-192.4	7A1181	0.07	<0.1	0.005	1.5	0.5	<1.2	<0.3	20	

GEOLOGIC CORE LOG OF MJKA-11 (5/5) 1/200

MJKA-11 (5/5) 200m ~ 250m

Level 1,930.7m Direction 105°
X 52.0m Inclination -45°
Y 286.3m Length 204.9m

LITHO-LOGY	DEPTH (m)	DESCRIPTIONS	DEPTH (m)	SAMPLE No.	ASSAY RESULT Au	Ag	Cu	Pb	Zn	As	Sb	Mo	LAB. TEST
		187.4-204.9m, fng hb bio granodiorite											
	204.9	(204.9m, end of drilling)											

Depth scale: 200, 202, 204, 206, 208, 210, 212, 214, 216, 218, 220, 222, 224, 226, 228, 230, 232, 234, 236, 238, 240, 242, 244, 246, 248, 250

GEOLOGIC CORE LOG OF MJKA-13 (1/4)

1/200

Level	1,920.6m	Direction	105°
X	93.5m	Inclination	-20°
Y	425.0m	Length	175.1m

MJKA-13 (1/4) 0m ~ 50m

DESCRIPTIONS

0-0.25m, detritus
0.25-0.35m, qz px wo skarn
0.35-0.5m, bio granodiorite
0.5-0.75m, qz px wo skarn
0.75-1.0m, bio granodiorite
1.0-1.7m, qz px wo skarn
1.7-2.0m, aplite
2.0-8.2m, pale green qz px wo skarn
6.0-6.5m, py cp Imp.
fromatin order of skarn mineral: qz wo, px, garnet
8.2-9.1m, green px skarn
9.1-13.5m, px wo skarn
11.0-11.1m, banded st of garnet px wo skarn showing 80 degree
11.4-11.5m, banded st of garnet px wo skarn
13.5-17.0m, granodiorite, porphyritic texture of plagioclase (0.5-1cm)
13.5-14.0m, skarnization of garnet and px
17.0-17.3m, brecciated garnet px skarn
17.3-17.45m, granodiorite, porphyritic texture
17.45-17.9m, px garnet wo skarn
17.9-21.7m, garnet px skarn
19.3m, cal network of 30 degree
20.1m, cal v.W=0.5cm, 75 degree
21.0m, cal v.W=1cm, 40 degree
21.7-21.9m, brown limo-carnonate(ankerite) altered rock
21.9-22.6m, quartz cal v, half of core consisting of dark green skarnized rock
22.6-29.2m, chl bio granodiorite, metasomatic, limonite along crack
27.0-27.4m, aplitic
28.0-28.7m, limonitization
29.2-31.2m, aplite
31.1-31.2m, chl altered metasomatic rock from aplite
31.2-33.8m, deep green px skarn
33.8-34.7m, garnet px skarn
34.7-39.4m, deep green px skarn
35.6-36.2m, mixture of granodiorite
39.4-40.4m, px skarnized granodiorite
40.4-41.8m, granodiorite
41.8-42.9m, px skarnized granodiorite
42.9-46.1m, deep green px skarn to px-quartz skarn
43.0m & 43.3m, malachite imp.
43.9-44.0m, granodiorite
46.1-47.0m, granodiorite
47.0-47.3m, px skarn
47.3-48.8m, strong limonitizated altered rock from granodiorite origin
48.8-51.6m, limonitizated granodiorite

ASSAY RESULT

DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Sb	Mo	LAB. TEST
0.25–1.0	7A0840	0.05	0.3	0.015	0.7	1.5	<1.2	<0.3	3	
1.0–2.0	7A0841	0.07	0.3	0.015	0.3	0.9	<1.2	<0.3	7	
2.0–3.0	7A0842	0.03	0.5	0.015	0.7	2	<1.2	<0.3	7	
3.0–4.0	7A0843	0.03	0.3	0.012	0.4	1.2	<1.2	<0.3	15	
4.0–5.0	7A0844	0.012	0.12	0.012	0.2	1.5	<1.2	<0.3	9	
5.0–6.0	7A0845	0.012	<0.1	0.005	0.3	1.2	<1.2	<0.3	7	
6.0–7.0	7A0846	0.09	<0.1	0.005	0.3	4	<1.2	<0.3	<1.2	
7.0–8.2	7A0847	0.2	<0.1	0.005	0.12	3	<1.2	<0.3	1.2	
8.2–9.1	7A0848	0.4	<0.1	0.007	<0.1	4	<1.2	<0.3	<1.2	
9.1–10.1	7A0849	0.015	<0.1	0.004	0.2	4	<1.2	<0.3	1.5	
10.1–11.1	7A0850	0.03	<0.1	0.004	1.2	0.3	2	<0.3	3	
11.1–12.1	7A0968	<0.012	<0.1	0.012	<0.1	3	<1.2	<0.3	1.2	
12.1–13.5	7A0969	0.02	<0.1	0.02	0.3	3	<1.2	<0.3	<1.2	
13.5–14.5	7A0970	<0.012	0.12	0.009	1.5	0.5	<1.2	<0.3	4	
14.5–15.5	7A0971	<0.012	<0.1	0.012	1.2	0.4	<1.2	<0.3	3	
15.5–17.0	7A0972	<0.012	<0.1	0.015	2	0.4	<1.2	<0.3	5	
17.0–17.9	7A0973	<0.012	<0.1	0.03	1.2	2	<1.2	<0.3	2	
17.9–18.9	7A0974	<0.012	<0.1	0.012	0.9	1.5	<1.2	<0.3	7	
18.9–19.9	7A0975	<0.012	<0.1	0.007	0.4	1.2	<1.2	<0.3	7	
19.9–20.9	7A0976	<0.012	<0.1	0.001	0.9	1.2	<1.2	<0.3	7	
20.9–21.9	7A0883	0.4	0.12	0.03	0.7	5	3	<0.3	20	X (21.8)
21.9–22.6	7A0977	<0.012	<0.1	0.003	0.12	0.3	1.2	<0.3	9	
22.6–23.6	7A0978	<0.012	<0.1	0.012	1.5	0.4	<1.2	<0.3	9	
23.6–24.6	7A0979	<0.012	<0.1	0.012	0.9	0.4	<1.2	<0.3	5	
24.6–25.6	7A0980	<0.012	<0.1	0.001	0.4	0.3	<1.2	<0.3	7	
25.6–26.6	7A0981	<0.012	<0.1	0.012	0.4	0.3	<1.2	<0.3	5	
26.6–27.6	7A0982	0.04	<0.1	0.009	1.2	0.5	<1.2	<0.3	5	
27.6–28.6	7A0983	<0.012	<0.1	0.003	1.2	0.3	<1.2	<0.3	12	
28.6–29.2	7A0984	<0.012	<0.1	0.007	0.9	0.4	4	<0.3	15	
29.2–30.2	7A0985	<0.012	<0.1	0.007	0.9	0.3	<1.2	<0.3	4	
30.2–31.2	7A0986	0.012	0.12	0.009	0.9	0.9	1.2	<0.3	4	
31.2–32.2	7A0987	0.012	<0.1	0.005	0.7	5	<1.2	<0.3	5	
32.2–33.2	7A0988	0.012	<0.1	0.02	1.2	4	<1.2	<0.3	9	
33.2–33.8	7A0989	0.015	0.2	0.012	0.2	3	<1.2	<0.3	7	
33.8–34.7	7A0990	0.012	0.15	0.005	0.9	3	<1.2	<0.3	7	
34.7–35.7	7A0991	0.03	0.9	0.03	1.2	3	1.2	<0.3	7	
35.7–36.7	7A0992	0.012	<0.1	0.007	0.7	1.5	<1.2	<0.3	9	
36.7–37.7	7A0993	0.02	0.12	0.006	0.7	7	<1.2	<0.3	4	
37.7–38.7	7A0994	0.05	0.9	0.03	0.9	5	1.2	<0.3	2	
38.7–39.4	7A0995	0.09	0.7	0.015	1.2	7	1.2	0.4	3	
39.4–40.4	7A0996	<0.012	<0.1	0.003	1.2	1.2	<1.2	<0.3	7	
40.4–41.8	7A0997	<0.012	<0.1	0.004	1.2	0.4	<1.2	<0.3	4	
41.8–42.9	7A0998	0.012	0.12	0.04	2	2	<1.2	<0.3	4	
42.9–43.9	7A0999	1.1	1.2	0.12	0.3	3	5	<0.3	4	
43.9–44.9	7A1000	0.3	0.12	0.009	0.2	1.2	<1.2	<0.3	5	
44.9–46.1	7A1001	1.2	0.3	0.015	0.2	1.2	1.5	<0.3	5	
46.1–47.0	7A1002	0.03	0.9	0.02	1.2	0.3	1.2	0.3	7	
47.0–48.0	7A1003	0.015	0.12	0.012	0.5	1.5	1.5	0.5	12	
48.0–43.8	7A1004	0.012	0.12	0.007	0.5	0.3	2	<0.3	9	
43.8–49.8	7A1005	0.04	<0.1	0.007	0.9	0.3	1.2	<0.3	12	

GEOLOGIC CORE LOG OF MJKA-13 (2/4)

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Level 1,920.6m Direction 105°
X 93.5m Inclination -20°
Y 425.0m Length 175.1m

MJKA-13 (2/4) 50m ~ 100m

DEPTH (m)	DESCRIPTIONS
50.7	48.8-51.6m, limonitizated granodiorite
51.6	50.7m, cream clay, W=3cm
	51.6-70.4m, bi-hb granodiorite
	55.0-55.1m, limonitization
	55.3-55.5m, limonitization
	56.0-56.6m, chloritization
	58.0-58.6m, chloritization
	around 62m, fresh granodiorite
70.4 / 71.1	70.4-71.1m, green lamprophyre, hematite contained
	71.1-84.1m, chloritizated granodiorite
	79.4-79.6m, chloritizated veinlets of 45 degree
84.1 / 84.5	84.1-84.5m, green lamprophyre, 84.3-84.5m, strong hematitization (70)
	84.5-89.2m, bi hb granodiorite
	87.3-87.5m, limonitization of 40 degree
	88.4-88.7m, limonitization
89.2	89.2-98.9m, strong limonitizated metasomatic rock, from aplite origin
98.8	98.9-99.2m, white altered aplite
99.2	99.2-102.6m, limonitizated granodiorite

DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Sb	Mo	LAB TEST
50.8	7A1006	0.12	<0.1	0.015	1.5	0.4	1.2	<0.3	15	
51.6	7A1007	0.3	<0.1	0.009	1.5	0.4	2	<0.3	20	
52.6	7A1008	0.05	<0.1	0.012	1.5	0.4	<1.2	<0.3	9	
53.6	7A1009	0.2	0.2	0.012	1.5	0.3	<1.2	<0.3	20	
54.6	7A1010	0.09	0.2	0.007	1.5	0.3	<1.2	<0.3	20	
55.6	7A1011	0.15	0.9	0.015	1.5	0.4	<1.2	<0.3	15	
56.6	7A1012	0.04	0.12	0.005	0.9	0.3	1.2	<0.3	9	
57.6	7A1013	0.3	<0.1	0.004	0.9	0.3	<1.2	<0.3	12	
58.6	7A1014	0.012	<0.1	0.004	1.2	0.3	<1.2	<0.3	7	
59.6	7A1015	0.012	<0.1	0.005	1.2	0.5	<1.2	<0.3	5	
60.6	7A1016	0.012	<0.1	0.003	1.5	0.4	<1.2	<0.3	12	
61.6	7A1017	0.05	<0.1	0.003	1.2	0.3	1.2	<0.3	9	
62.6	7A1018	0.012	<0.1	0.0015	1.2	0.3	<1.2	<0.3	15	
63.6	7A1019	<0.012	<0.1	0.005	1.5	0.3	<1.2	<0.3	3	
64.6	7A1020	0.012	<0.1	0.003	1.2	0.3	<1.2	<0.3	7	
65.6	7A1021	0.07	<0.1	0.007	0.9	0.3	<1.2	<0.3	5	
66.6	7A1022	1.0	0.2	0.007	1.2	0.3	2	<0.3	4	
67.6	7A1023	0.012	0.12	0.007	1.2	0.3	<1.2	<0.3	4	
68.6	7A1024	0.015	<0.1	0.003	0.9	0.3	<1.2	<0.3	4	
69.6	7A1025	0.012	<0.1	0.007	0.9	0.3	<1.2	<0.3	1.5	
70.4	7A1026	<0.012	<0.1	0.002	0.7	0.3	<1.2	<0.3	3	
71.1	7A1027	0.012	0.12	0.012	0.9	0.9	<1.2	0.3	3	
72.1	7A1028	0.012	0.12	0.003	0.9	0.3	<1.2	<0.3	4	
73.1	7A1029	0.012	0.12	0.004	0.9	0.3	<1.2	<0.3	4	
74.1	7A1030	0.03	<0.1	0.003	0.7	0.3	<1.2	<0.3	2	
75.1	7A1031	0.012	<0.1	0.005	0.9	0.3	<1.2	<0.3	1.2	
76.1	7A1032	0.05	<0.1	0.007	0.9	0.3	1.2	<0.3	1.2	
77.1	7A1033	0.012	0.12	0.007	0.9	0.3	2	<0.3	3	
78.1	7A1034	<0.012	<0.1	0.009	0.9	0.3	<1.2	<0.3	1.2	
79.1	7A1035	0.07	<0.1	0.003	0.5	0.3	<1.2	<0.3	2	
80.1	7A1036	<0.012	<0.1	0.004	0.9	0.3	1.2	<0.3	3	
81.1	7A1037	0.012	<0.1	0.004	0.5	0.3	<1.2	<0.3	1.5	
82.1	7A1038	0.012	<0.1	0.003	0.9	0.3	1.2	<0.3	3	
83.1	7A1039	0.012	<0.1	0.002	0.7	0.3	1.2	<0.3	7	
84.1	7A1040	<0.012	<0.1	0.007	1.5	0.4	1.2	<0.3	3	
84.5	7A1041	<0.012	<0.1	0.007	0.9	0.3	<1.2	<0.3	7	
85.5	7A1042	0.12	0.2	0.005	1.2	0.3	<1.2	<0.3	5	
86.5	7A1043	<0.012	<0.1	0.003	1.2	0.3	1.2	<0.3	4	
87.5	7A1044	0.05	<0.1	0.009	2	0.4	3	<0.3	4	
88.5	7A1045	0.09	0.2	0.009	3	0.4	5	<0.3	20	
89.2	7A1046	0.04	0.12	0.004	1.2	0.4	1.2	<0.3	9	
90.2	7A1047	0.12	0.4	0.005	2	0.3	5	<0.3	20	
91.2	7A1048	0.05	<0.1	0.003	1.5	0.3	3	<0.3	12	
92.2	7A1049	0.015	<0.1	0.007	1.2	0.4	2	<0.3	15	
93.2	7A1050	0.012	<0.1	0.002	0.9	0.3	3	<0.3	20	
94.2	7A1051	<0.012	<0.1	0.004	1.5	0.4	<1.2	<0.3	20	
95.2	7A1052	<0.012	<0.1	0.009	1.5	0.4	1.2	<0.3	12	
96.2	7A1053	0.015	0.12	0.007	1.2	0.3	1.2	<0.3	15	
97.2	7A1054	<0.012	<0.1	0.009	0.2	0.5	5	<0.3	20	
98.2	7A1055	0.3	<0.1	0.009	1.2	0.3	5	<0.3	15	
98.8	7A1056	0.09	0.12	0.007	0.9	0.4	4	<0.3	20	
99.2	7A1057	<0.012	<0.1	0.003	0.2	0.4	<1.2	<0.3	4	
100.2	7A1058	0.4	0.12	0.005	0.5	0.3	5	<0.3	9	

GEOLOGIC CORE LOG OF MJKA-13 (3/4)

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MJKA-13 (3/4) 100m ~ 150m

Level 1,920.6m Direction 105°
X 93.5m Inclination -20°
Y 425.0m Length 175.1m

DESCRIPTIONS

Lithology boundary depths (m): 102.6, 104.0, 107.0, 108.4, 112.0, 117.7, 121.3, 123.9, 124.8, 134.0, 134.7, 143.7, 144.4, 144.8

99.2-102.6m, limonitizated granodiorite
- 101.6-102.6m, quartz cal network

102.6-104.0m, chloritizated aplitic rock

104.0-107.0m, limonitizated granodiorite

107.0-108.4m, gray lamprophyre

108.4-112.0m, limonitizated aplite, malachite imp.

112.0-117.7m, limonitizated granodiorite

117.7-123.9m, greenish limonitizated lamprophyre, hematite contained, fng hb
- 120.7-122.0m, strong limonitization
- 121.3m, qtz cal vein, W=1cm
- 123.3-123.9m, strong limonitization

123.9-124.8m, limonitizated granodiorite

124.8-134.0m, limonitizated aplite
- 127.0m, malachite imp. along joint
- 130.0m, malachite imp. along joint
- 130.8m, malachite imp. along joint
- 132.0-132.4m, px skarn forming in limo. aplite
- 133.1-134.0m, strong limonitization

134.0-134.7m, greenish gray lamprophyre, phnocryst: pl, hb, bio

134.7-143.7m, limonitizated aplite
- 134.7-135.2m, biotitization
- 135.7-136.4m, px skarn forming in limo. aplite
- 136.8-138.0m, chloritization & biotitization
- 139.0-139.5m, cal network

143.7-144.4m, strong limonitizated granodiorite

144.4-144.8m, yellow cream sticky clay

144.8-168.3m, strong limonitizated granodiorite, cal network

ASSAY RESULT

DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Sb	Mo	LAB. TEST
100.2–101.2	7A1059	0.012	<0.1	0.007	1.2	0.3	1.2	<0.3	5	
101.2–102.6	7A1060	0.02	<0.1	0.005	0.5	0.4	3	<0.3	7	
102.6–104.0	7A1061	0.04	<0.1	0.004	0.7	0.5	<1.2	<0.3	4	
104.0–105.0	7A1062	0.04	0.12	0.007	2	0.3	5	<0.3	15	
105.0–106.0	7A1063	<0.012	<0.1	0.005	1.2	0.3	3	<0.3	9	
106.0–107.0	7A1064	0.03	<0.1	0.012	2	0.3	5	<0.3	3	
107.0–108.4	7A1065	0.012	<0.1	0.004	0.3	0.4	1.2	<0.3	2	
108.4–109.4	7A1066	0.5	0.5	0.02	<0.1	0.3	5	<0.3	2	
109.4–110.4	7A1067	0.15	0.7	0.015	0.12	0.3	3	<0.3	4	
110.4–112.0	7A1068	0.5	0.7	0.02	<0.1	0.3	20	<0.3	3	
112.0–113.0	7A1069	0.2	<0.1	0.009	1.2	0.3	3	<0.3	12	
113.0–114.0	7A1070	0.02	<0.1	0.003	1.2	0.3	7	<0.3	15	
114.0–115.0	7A1071	0.012	<0.1	0.004	1.2	0.3	3	<0.3	20	
115.0–116.0	7A1072	0.012	<0.1	0.003	0.9	0.3	<1.2	<0.3	5	
116.0–117.0	7A1073	1.0	0.2	0.004	1.5	0.4	5	<0.3	12	
117.0–117.7	7A1074	1.0	<0.1	0.003	1.5	0.3	7	<0.3	30	
117.7–118.7	7A1075	0.05	0.3	0.015	0.4	0.7	<1.2	<0.3	30	
118.7–119.7	7A1076	<0.012	<0.1	0.009	0.3	0.4	<1.2	<0.3	9	
119.7–120.7	7A1077	0.012	0.2	0.003	2	0.4	<1.2	<0.3	9	
120.7–121.7	7A1078	0.012	<0.1	0.003	0.9	0.3	<1.2	<0.3	30	
121.7–122.7	7A1079	<0.012	0.15	0.007	0.9	0.4	<1.2	<0.3	15	
122.7–123.9	7A1080	<0.012	<0.1	0.003	0.9	0.4	<1.2	<0.3	20	
123.9–124.8	7A1081	0.02	<0.1	0.007	0.9	0.3	2	<0.3	50	
124.8–125.8	7A1082	0.12	0.4	0.02	0.7	0.7	1.2	<0.3	40	
125.8–126.8	7A1083	0.2	0.7	0.04	0.7	0.4	5	<0.3	40	
126.8–127.8	7A1084	0.12	1.2	0.03	0.12	0.3	5	<0.3	5	
127.8–128.8	7A1085	0.07	<0.1	0.009	<0.1	<0.1	4	<0.3	5	
128.8–129.8	7A1086	0.07	0.9	0.02	0.7	0.4	9	<0.3	20	
129.8–130.8	7A1087	0.12	0.2	0.012	<0.1	0.3	2	<0.3	7	
130.8–131.8	7A1088	0.015	0.12	0.009	<0.1	0.4	1.2	<0.3	40	
131.8–132.8	7A1089	0.3	0.9	0.02	0.12	1.2	20	<0.3	40	
132.8–134.0	7A1090	<0.012	<0.1	0.002	0.9	0.4	1.5	<0.3	20	
134.0–134.7	7A1091	0.03	0.2	0.003	0.9	0.4	1.5	<0.3	3	
134.7–135.7	7A1092	<0.012	0.2	0.012	0.4	1.2	3	<0.3	5	
135.7–136.7	7A1093	0.012	0.3	0.012	0.9	1.2	3	<0.3	12	
136.7–137.7	7A1094	0.012	0.3	0.009	1.5	0.9	3	<0.3	9	
137.7–138.7	7A1095	0.2	0.12	0.012	0.12	0.5	<1.2	<0.3	12	
138.7–139.7	7A1096	0.07	0.9	0.012	0.5	0.4	3	<0.3	20	
139.7–140.7	7A1097	0.07	0.2	0.007	0.9	0.3	1.2	<0.3	12	
140.7–141.7	7A1098	0.07	0.12	0.005	0.7	0.3	1.2	<0.3	15	
141.7–142.7	7A1099	0.07	0.12	0.005	0.9	0.5	1.2	<0.3	12	
142.7–143.7	7A1100	<0.012	0.12	0.003	1.5	0.5	<1.2	<0.3	12	
143.7–144.4	7A1101	0.12	0.3	0.007	1.2	0.7	1.5	<0.3	40	
144.8–145.8	7A1126	0.4	0.4	0.015	1.2	0.4	3	<0.3	20	
145.8–146.8	7A1127	0.7	1.5	0.012	1.2	0.4	2	0.3	30	
146.8–147.8	7A1128	0.4	0.5	0.012	1.2	0.5	1.2	0.3	40	
147.8–148.8	7A1129	0.04	0.2	0.012	1.2	0.7	<1.2	<0.3	30	
148.8–149.8	7A1130	0.9	0.5	0.012	1.2	0.4	7	<0.3	20	

GEOLOGIC CORE LOG OF MJKA-13 (4/4)

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MJKA-13 (4/4) 150m ~ 175m

Level	1,920.6m	Direction	105°
X	93.5m	Inclination	-20°
Y	425.0m	Length	175.1m

LITHOLOGY / DEPTH (m)	DESCRIPTIONS
	144.8-168.3m, strong limonitizated granodiorite
	161.0-161.1m, brecciated structure
	164.3-166.0m, aplitic
165.5	165.5m, clay v. W=3cm
168.3	168.3-169.2m, white altered lamprophyre
169.2	169.2-170m, limonitizated aplite
170.0	170.0-170.6m, biotitizated rock with px network, py imp
170.6	170.6-171.4m, limonitizated aplite
171.4	171.4-172.1m, chloritizated granodiorite
172.1	172.1-175.1m, biotitizated rock with px skarn network, aplite origin 173.5m, py imp
175.1	(175.1m, end of drilling)

DEPTH (m)	SAMPLE No.	Au	Ag	Cu	Pb	Zn	As	Sb	Mo	LAB. TEST
150.8	7A1131	0.4	0.4	0.009	1.2	0.4	4	<0.3	20	
151.8	7A1132	0.05	0.12	0.005	1.5	0.4	1.2	<0.3	30	
152.8	7A1133	1.0	0.2	0.012	1.2	0.3	3	<0.3	30	
153.8	7A1134	0.09	0.2	0.009	1.5	0.3	3	0.3	40	
154.8	7A1135	0.8	0.2	0.012	1.2	0.4	4	<0.3	40	
155.8	7A1136	0.9	<0.1	0.003	0.3	0.3	5	0.3	15	
156.8	7A1137	1.2	0.15	0.004	1.2	0.4	40	<0.3	20	
157.8	7A1138	0.04	0.2	0.007	1.2	0.4	2	0.3	15	
158.8	7A1139	0.015	<0.1	0.005	1.2	0.4	<1.2	<0.3	20	
159.8	7A1140	0.03	0.12	0.012	1.5	0.4	1.5	<0.3	15	
160.8	7A1141	<0.012	<0.1	0.009	1.2	0.4	2	0.3	15	
161.8	7A1142	<0.012	0.3	0.009	1.5	0.4	1.2	<0.3	12	
162.8	7A1143	0.03	0.12	0.009	1.2	0.3	1.5	<0.3	15	
163.8	7A1144	0.03	0.12	0.007	1.2	0.4	2	<0.3	30	
164.8	7A1145	0.02	0.12	0.009	1.2	0.3	1.2	<0.3	40	
165.8	7A1146	0.05	0.2	0.015	1.5	0.4	2	<0.3	20	
166.8	7A1147	0.12	0.5	0.02	0.9	0.5	1.5	<0.3	30	
168.3	7A1148	0.3	1.2	0.04	0.9	0.5	1.2	<0.3	20	
169.2	7A1149	0.07	0.7	0.015	0.9	0.5	1.2	<0.3	20	
170.0	7A1150	0.03	0.2	0.012	0.12	0.3	<1.2	<0.3	7	
170.6	7A1151	0.04	<0.1	0.009	0.12	0.4	<1.2	<0.3	15	
171.4	7A1152	0.012	0.2	0.009	0.2	0.3	<1.2	<0.3	7	
172.1	7A1153	0.03	0.12	0.007	1.2	0.3	<1.2	<0.3	7	
173.1	7A1154	0.02	0.12	0.007	0.9	0.4	<1.2	<0.3	9	
174.1	7A1155	0.6	1.5	0.05	0.2	0.5	<1.2	0.3	20	
175.1	7A1156	0.4	0.7	0.03	0.7	0.4	<1.2	0.3	12	

Appendix 3

Miscellaneous Data of the Drilling Survey

Appendix 3-1

List of Used Equipment for Drilling

Apx. 3-1 List of the Used Equipment for Drilling

Item	Model	Quantity	Capacity, type and specification
Drilling machine	L-38-98	2	Capacity NQ : 565m, BQ : 725m Inner diameter of spindle : φ98mm
	SKB-5	1	Capacity φ76mm : 800m, φ59mm : 1,000m Inner diameter of spindle : φ63mm
Engine for drill	4L-912	2	Electricity
	4AM180S43	1	Electricity
Pump	BG-10C	2	Piston φ80mm, Capacity 120 liter/min
	ANB-22	1	Pressure 3.8 kg/min
Engine for pump	NFD-13	1	Electricity 2,400rpm
	ASDA-200	2	Electricity 1,500rpm
Generator	GSF-100	1	125KVA, 100KWh, 400V, 181A
Mud mixer	Mle-200	2	2.2KWh, 1,00rpm
Derrick	MA9-1	2	Maximum load : 15 ton
	MRUG-18/20	1	Maximum load : 5 ton
Rod holder	HQ	2	Capacity 5t
	NQ	2	Capacity 5t
	BQ	2	Capacity 5t
	φ89mm	3	Capacity 10t
	φ73mm	3	Capacity 10t
Drill rods	BSφ50mm	120	4.8m/pc
	BSφ50mm	110	3.0m/pc
	HQ(φ88.9mm)	84	3.0mX80pc 1.5mX4pc
	NQ(φ70.0mm)	266	3.0mX262pc 1.5mX4pc
	BQ(φ55.6mm)	263	3.0mX259pc 1.5mX4pc
Casing pipes	φ127mm	13	1m/pc
	φ108mm	13	3m/pc
	HW(φ114.3mm)	21	3mX12pc 1.5mX4pc 1mX5ps
	NW(φ88.9mm)	98	3mX94pc 1.5mX4pc
	BW(φ73.0mm)	257	3mX249pc 1.5mX4pc 1mX4pc
Core tube assembly	HQ(φ73.0mm)	5	
	NQ(φ55.6mm)	6	
	BQ(φ42.9mm)	6	

Appendix 3-2

Miscellaneous Result on Individual Drillhole

Apx. 3-2 Miscellaneous Results on Individual Drillhole

(MJKA-1)

	Survey period			Breakdown of period		Total
	Period		Total days	Working	No-working	persons
	from	to		days	days	
Preparation	7 Oct. '97	7 Oct. '97	0.5	0.5	0	19
Drilling	8 Oct. '97	18 Oct. '97	10.5	10.5	0	399
Dismount	18 Oct. '97	18 Oct. '97	0.5	0.5	0	19
Total	7 Oct. '97	18 Oct. '97	11.5	11.5	0	437

Drilling length			
Programmed length	160m	Overburden	0m
Prolongation	0.1m	Core length	146.6m
Effective length	160.1m	Core recovery	91.6%

Working hours			Core recover by each 50 meters		
Drilling	220h	79.7%	Length (m)	Each (%)	Cumula. (%)
Non-drilling	32h	11.6%	0 - 50	97.0	97.0
Regain of accident	6h	2.2%	50 - 100	92.2	94.6
Preparation/setting up	12h	4.3%	100 - 150	91.7	93.2
Dismount/mobilization	6h	2.2%	150 - 160	90.0	91.6
Others					
			Efficiency		
			Effective length/Working drilling days		
			15.2m/d		
			Effective length/Total drilling days		
Total	276h	100%	15.2m/d		

Drilling length by diameter						
Bit diameter	116mm	HQ	NQ	BQ		Total
Drilling length	5.0m	29.2m	56.5m	69.4m		160.1m
Core length	5.0m	28.5m	53.0m	60.1m		146.6m

Inserted casing pipes			
Inserted length by diameter		Inserted length / Drilled length	Casing recovery
HW	5.0m	3.1 %	100 %
NW	34.5m	21.5 %	100 %
BW	91.0m	56.8 %	80 %

Apx. 3-2 Miscellaneous Results on Individual Drillhole

(MJKA-2)

	Survey period			Breakdown of period		Total
	Period		Total days	Working	No-working	persons
	from	to		days	days	
Preparation	19 Oct. '97	19 Oct. '97	0.5	0.5	0	10
Drilling	19 Oct. '97	21 Nov. '97	33.5	33.5	0	1310
Dismount	22 Nov. '97	22 Nov. '97	1.0	1.0	0	10
Total	19 Oct. '97	22 Nov. '97	35.0	35.0	0	1330

Drilling length			
Programmed length	244m	Overburden	2.0m
Prolongation	0.5m	Core length	224.7m
Effective length	244.5m	Core recovery	91.9%

Working hours			Core recover by each 50 meters		
Drilling	325.0h	38.7%	Length (m)	Each (%)	Cumula. (%)
Non-drilling	97.5h	11.6%	0 - 50	90.2	90.2
Regain of accident	393.5h	46.9%	50 - 100	87.0	88.6
Preparation/setting up	12.0h	1.4%	100 - 150	89.6	88.3
Dismount/mobilization	12.0h	1.4%	150 - 200	91.0	90.3
Others			200 - 245	92.8	91.9
			Efficiency		
			Effective length/Working drilling days		
			7.3m/d		
			Effective length/Total drilling days		
Total	840	100%	7.3m/d		

Drilling length by diameter						
Bit diameter	116mm	HQ	NQ	BQ		Total
Drilling length	4m	57.5m	183m	—	—	244.50m
Core length	2.20m	54.4m	168.1m	—	—	224.70m

Inserted casing pipes			
Inserted length by diameter		Inserted length / Drilling length	Casing recovery
HW	4.0m	1.60 %	100 %
NW	127.0m	51.9 %	100 %

Apx. 3-2 Miscellaneous Results for Individual Drillholo

(MJKA-4)

	Survey period			Breakdown of period		Total
	Period		Total days	Working	No-working	persons
	from	to		days	days	
Preparation	23 Nov. '97	23 Nov. '97	0.5	0.5	0	10
Drilling	23 Nov. '97	14 Dec. '97	21.5	21.5	0	834
Dismount	15 Dec. '97	17 Dec. '97	3.0	3.0	0	30
Total	23 Nov. '97	17 Dec. '97	25.0	25.0	0	874

Drilling length			
Programmed length	150m	Overburden	0m
Prolongation	12.3m	Core length	142.1m
Effective length	162.3m	Core recovery	87.6%

Working hours			Core recover by each 50 meters		
Drilling	271h	49.1%	Length (m)	Each (%)	Cumula. (%)
Non-drilling	197h	35.7%	0 - 50	86.2	86.2
Regain of accident	36h	6.5%	50 - 100	86.3	86.3
Preparation/setting up	12h	2.2%	100 - 150	87.3	86.8
Dismount/mobilization	36h	6.5%	150 - 162	88.3	87.6
Others					
			Efficiency		
			Effective length/Working drilling days		
			7.5m/d		
			Effective length/Total drilling days		
Total	552h	100%	7.5m/d		

Drilling length by diameter						
Bit diameter	116mm	HQ	NQ	BQ		Total
Drilling length	3m	29.4m	30.1m	99.8m	m	162.3m
Core length	3m	24.2m	27.7m	87.2m	m	142.1m

Inserted casing pipes			
Inserted length by diameter		Inserted length / Drilling length	Casing recovery
HW	3m	6.0 %	100 %
NW	45m	27.7 %	100 %
BW	63m	38.8 %	100 %

Apx. 3-2 Miscellaneous Results on Individual Drillhole

(MJKA-6)

	Survey period			Breakdown of period		Total
	Period		Total days	Working	No-working	persons
	from	to		days	days	
Preparation	5 Oct. '97	5 Oct. '97	0.5	0.5	0	10
Drilling	5 Oct. '97	27 Oct. '97	22.0	22.0	0	854
Dismount	27 Oct. '97	27 Oct. '97	0.5	0.5	0	10
Total	5 Oct. '97	27 Oct. '97	23.0	23.0	0	874

Drilling length			
Programmed length	160m	Overburden	0m
Prolongation	0.1m	Core length	146.8m
Effective length	160.1m	Core recovery	91.7%

Working hours			Core recover by each 50 meters		
Drilling	230.5h	41.7%	Length (m)	Each (%)	Cumula. (%)
Non-drilling ′	181.5h	32.9%	0 - 50	98.4	98.4
Regain of accident	123h	22.3%	50 - 100	90.8	94.6
Preparation/setting up	12h	2.2%	100 - 150	92.8	93.7
Dismount/mobilization	5h	0.9%	150 - 160	89.7	91.7
Others					
			Efficiency		
			Effective length/Working drilling days		
			7.3m/d		
			Effective length/Total drilling days		
Total	552h	100%	7.3m/d		

Drilling length by diameter						
Bit diameter	116mm	HQ	HQ	BQ		Total
Drilling length	3.0m	16.5m	51.4m	89.2m		160.1m
Core length	3.0m	16.5m	49.4m	77.9m		146.8m

Inserted casing pipes			
Inserted length by diameter		Inserted length / Drilling length	Casing recovery
HW	3.0m	1.9 %	100 %
NW	20.5m	12.8 %	100 %
BW	96.0m	60.0 %	100 %

Apx. 3-2 Miscellaneous Results on Individual Drillhole

(MJKA-7)

	Survey period			Breakdown of period		Total
	Period		Total days	Working	No-working	persons
	from	to		days	days	
Preparation	28 Oct. '97	28 Oct. '97	0.5	0.5	0	10
Drilling	28 Oct. '97	24 Nov. '97	27.5	27.5	0	1,063
Dismount	25 Nov. '97	25 Nov. '97	0.5	0.5	0	10
Total	28 Oct. '97	25 Nov. '97	28.5	28.5	0	1,083

Drilling length			
Programmed length	280m	Overburden	3.0m
Prolongation	1.0m	Core length	248.1
Effective length	281.0m	Core recovery	88.3%

Working hours			Core recover by each 50 meters		
Drilling	361h	52.8%	Length (m)	Each (%)	Cumula. (%)
Non-drilling	285h	41.7%	0 - 50	65.6	65.6
Regain of accident	20h	2.9%	50 - 100	83.0	74.3
Preparation/setting up	6h	0.9%	100 - 150	85.8	80.1
Dismount/mobilization	12h	1.7%	150 - 200	84.3	82.2
Others			200 - 250	87.8	85.0
			250 - 280.10	91.5	88.3
			Efficiency		
			Effective length/Working drilling days		
			10.2m/d		
			Effective length/Total drilling days		
Total	684h	100%	10.2m/d		

Drilling length by diameter						
Bit diameter	112mm	HQ	NQ	BQ		Total
Drilling length	3.0m	30.3m	61.4m	186.3m		281.1m
Core length	2.5m	20.0m	56.0m	169.6m		248.1m

Inserted casing pipes			
Inserted length by diameter		Inserted length / Drilling length	Casing recovery
HW	6.0m	1.1 %	66.6 %
NW	31.5m	11.2 %	100 %
BW	100.0m	35.7 %	100 %

Apx. 3-2 Miscellaneous Results on Individual Drillhole

(MJKA-8)

	Survey period			Breakdown of period		Total
	Period		Total days	Working	No-working	persons
	from	to		days	days	
Preparation	23 Aug. '97	28 Aug. '97	6	6	0	110
Drilling	29 Aug. '97	9 Sep. '97	11.5	11.5	0	275
Dismount	9 Sep. '97	9 Sep. '97	0.5	0.5	0	10
Total	23 Aug. '97	9 Sep. '97	18	18	0	395

Drilling length

Programmed length	100m	Overburden	0m
Prolongation	1.1m	Core length	84.6m
Effective length	101.1m	Core recovery	83.7%

Working hours			Core recover by each 50 meters		
			Length (m)	Each (%)	Cumula. (%)
Drilling	112h	44.5%	0 - 50	91.7	91.7
Non-drilling	54h	21.4%	50 - 101	75.6	83.7
Regain of accident	25h	9.9%			
Preparation/setting up	60h	23.8%			
Dismount/mobilization	1h	0.4%			
Others					
			Efficiency		
			Effective length/Working drilling days		
			8.8m/d		
			Effective length/Total drilling days		
Total	252h	100%	8.8m/d		

Drilling length by diameter

Bit diameter	101mm		NQ	BQ		Total
Drilling length	1.1m		68.0m	32.0m		101.1m
Core length	1.1m		55.4m	28.1m		84.6m

Inserted casing pipes

Inserted length by diameter		Inserted length / Drilling length	Casing recovery
NW	18.0m	17.8 %	100 %
BW	69.0m	68.2 %	100 %

Apx. 3-2 Miscellaneous Results on Individual Drillhole

(MJKA-9)

	Survey period			Breakdown of period		Total
	Period		Total days	Working	No-working	persons
	from	to		days	days	
Preparation	10 Sep. '97	11 Sep. '97	2.0	2.0	0	76
Drilling	12 Sep. '97	3 Oct. '97	21.5	20.5	1	750
Dismount	3 Oct. '97	4 Oct. '97	1.5	1.5	0	29
Total	10 Sep. '97	4 Oct. '97	25.0	24.0	1	855

Drilling length			
Programmed length	210m	Overburden	0.8m
Prolongation	0.2m	Core length	206.2m
Effective length	210.2m	Core recovery	98.1%

Working hours			Core recover by each 50 meters		
Drilling	368h	68.1%	Length (m)	Each (%)	Cumula. (%)
Non-drilling	131h	24.3%	0 - 50	99.3	99.3
Regain of accident	5h	0.9%	50 - 100	97.0	98.2
Preparation/setting up	24h	4.5%	100 - 150	97.4	97.9
Dismount/mobilization	12h	2.2%	150 - 210	98.3	98.1
Others					
			Efficiency		
			Effective length/Working drilling days		
			10.3m/d		
			Effective length/Total drilling days		
Total	540h	100%	9.8m/d		

Drilling length by diameter						
Bit diameter	116mm	101mm	NQ	BQ		Total
Drilling length	0.8m	3.6m	99.4m	106.4m		210.2m
Core length	0.8m	3.6m	98.2m	103.6m		206.2m

Inserted casing pipes			
Inserted length by diameter		Inserted length / Drilling length	Casing recovery
NW	15.0m	7.1 %	100 %
BW	94.5m	45.0 %	100 %

Apx. 3-2 Miscellaneous Results on Individual Drillhole

(MJKA-10)

	Survey period			Breakdown of period		Total
	Period		Total days	Working days	No-working days	persons
	from	to				
Preparation	24 Aug. '97	29 Aug. '97	6	6	0	111
Drilling	30 Aug. '97	16 Sep. '97	17.5	17.5	0	522
Dismount	16 Sep. '97	16 Sep. '97	0.5	0.5	0	10
Total	24 Aug. '97	16 Sep. '97	24	24	0	643

Drilling length

Programmed length	110m	Overburden	0m
Prolongation	1.9m	Core length	96.2m
Effective length	111.9m	Core recovery	86.0%

Working hours			Core recover by each 50 meters		
			Length (m)	Each (%)	Cumula. (%)
Drilling	166.5h	40.8%	0 - 50	92.0	92.0
Non-drilling	131.5h	32.2%	50 - 100	86.6	89.3
Regain of accident	37h	9.1%	100 - 112	79.6	86.0
Preparation/setting up	72h	17.7%			
Dismount/mobilization	1h	0.2%			
Others					
			Efficiency		
			Effective length/Working drilling days		
			6.4m/d		
			Effective length/Total drilling days		
Total	408h	100%	6.4m/d		

Drilling length by diameter

Bit diameter	101mm		NQ	BQ		Total
Drilling length	1.1m		73.9m	36.9m		111.9m
Core length	1.1m		65.8m	29.3m		96.2m

Inserted casing pipes

Inserted length by diameter		Inserted length / Drilling length	Casing recovery
NW	22.0m	19.7 %	100 %
BW	75.0m	67.0 %	100 %

Apx. 3-2 Miscellaneous Results on Individual Drillhole

(MJKA-11)

	Survey period			Breakdown of period		Total
	Period		Total days	Working	No-working	persons
	from	to		days	days	
Preparation	17 Sep. '97	17 Sep. '97	0.5	0.5	0	6
Drilling	17 Sep. '97	8 Dec. '97	82.5	69.5	13.0	1917
Dismount	9 Dec. '97	10 Dec. '97	2.0	2.0	0	34
Total	17 Sep. '97	10 Dec. '97	85.0	72.0	13.0	1957

Drilling length			
Programmed length	204m	Overburden	0.5m
Prolongation	0.9m	Core length	181.5m
Effective length	204.9m	Core recovery	88.6%

Working hours			Core recover by each 50 meters		
Drilling	333h	24.8%	Length (m)	Each (%)	Cumula. (%)
Non-drilling	752h	56.0%	0 - 50	89.3	89.3
Regain of accident	199h	14.8%	50 - 100	88.0	88.7
Preparation/setting up	48h	3.6%	100 - 150	90.0	89.0
Dismount/mobilization	12h	0.8%	150 - 200	88.7	88.9
Others			200 - 205	88.3	88.6
			Efficiency		
			Effective length/Working drilling days		
			2.9m/d		
			Effective length/Total drilling days		
Total	1344h	100%	2.5m/d		

Drilling length by diameter						
Bit diameter	112mm	96mm	76mm	59mm		Total
Drilling length	4.5m	69.5m	130.9m	130.9m		204.9m
Core length	51.5m	18m	112.0m	112m		181.5m

Inserted casing pipes			
Inserted length by diameter		Inserted length / Drilling length	Casing recovery
108mm	4.5m	2.2 %	0 %
89mm	74.0m	36.1 %	0 %

Apx. 3-2 Miscellaneous Results on Individual Drillhole

(MJKA-13)

	Survey period			Breakdown of period		Total
	Period		Total days	Working	No-working	persons
	from	to		days	days	
Preparation	26 Nov. '97	27 Nov. '97	1.5	1.5	0	10
Drilling	27 Nov. '97	14 Dec. '97	17.5	17.5	0	702
Dismount	15 Dec. '97	17 Dec. '97	3.0	3.0	0	48
Total	26 Nov. '97	17 Dec. '97	22.0	22.0	0	760

Drilling length			
Programmed length	175m	Overburden	0.25m
Prolongation	0.1m	Core length	163.9m
Effective length	175.1m	Core recovery	93.6%

Working hours			Core recover by each 50 meters		
Drilling	262h	57.5%	Length (m)	Each (%)	Cumula. (%)
Non-drilling	135h	29.6%	0 - 50	95.4	95.4
Regain of accident	24h	5.3%	50 - 100	96.6	96.0
Preparation/setting up	23h	5.0%	100 - 150	93.4	94.7
Dismount/mobilization	12h	2.6%	150 - 175	92.5	93.6
Others					
			Efficiency		
			Effective length/Working drilling days		
			10.0m/d		
			Effective length/Total drilling days		
Total	456h	100%	10.0m/d		

Drilling length by diameter						
Bit diameter	112mm	HQ	NQ	BQ		Total
Drilling length	3.0m	20m	43.7m	108.4m		175.1m
Core length	3.0m	20m	40.7m	100.2m		163.9m

Inserted casing pipes			
Inserted length by diameter		Inserted length / Drilling length	Casing recovery
HW	3.0m	1.7 %	100 %
NW	24.5m	14 %	100 %
BW	64.5m	36.8 %	100 %

Appendix 3-3

Consumable Drilling Articles

Apx. 3-3 Consumable Drilling Articles (1)

Item	Specifi-Cation	Unit	Quantity					
			MJKA-1	MJKA-2	MJKA-4	MJKA-6	MJKA-7	Sub total
Diesel oil		liter	6,100	12,900	7,800	9,750	11,100	47,650
Gasoline		liter	550	1,400	900	950	1,120	4,920
Hydraulic oil		liter	35	153	100	54	110	452
Grease		kg	6	23	18	18	19	84
Bentonite		kg	25	45	15	40	0	125
Cement		kg	0	0	0	0	0	0
Clear mud		m^3	0	0	0	0	0	0
Soda calcium		kg	0	0	0	0	0	0
Soda chloride		kg	0	0	0	0	0	0
Sodium biocarbonate		kg	0	0	0	0	0	0
Diamond bit	116mm	pc	1	1	1	1	0	4
Diamond bit	101mm	pc	0	0	0	0	0	0
Diamond bit	HQ	pc	1	2	1	1	3	8
Diamond bit	NQ	pc	2	14	3	4	5	28
Diamond bit	BQ	pc	2	0	8	10	11	31
Diamond bit	76mm	pc	0	0	0	0	0	0
Diamond bit	59mm	pc	0	0	0	0	0	0
Metal crown	HW	pc	1	1	1	1	1	5
Metal crown	NW	pc	1	8	0	1	2	12
Metal crown	BW	pc	1	0	0	1	5	7
Diamond shoe	HW	pc	1	0	1	0	0	2
Diamond shoe	NW	pc	1	4	2	0	1	8
Diamond shoe	BW	pc	1	0	1	5	4	11
Core box		pc	24	38	25	28	41	156

Apx. 3-3 Consumable Drilling Articles (2)

Item	Specification	Unit	Quantity						
			MJKA-8	MJKA-9	MJKA-10	MJKA-11	MJKA-13	Sub total	Grand total
Diesel oil		liter	2,450	9,050	5,250	16,300	7,700	40,750	88,400
Gasoline		liter	475	920	795	1,820	700	4,710	9,630
Hydraulic oil		liter	270	130	120	250	75	845	1,297
Grease		kg	28	17	10	80	12	147	231
Bentonite		kg	0	0	0	11,800	0	11,800	11,925
Cement		kg	0	0	0	0	0	0	0
Clear mud		m^3	0	0	0	0	0	0	0
Soda calcium		kg	0	0	0	0	0	0	0
Soda chloride		kg	0	0	0	0	0	0	0
Sodium biocarbonate		kg	0	0	0	0	0	0	0
Diamond bit	112mm	pc	1	0	0	1	1	3	7
Diamond bit	108mm	pc	1	0	1	1	0	3	3
Diamond bit	HQ	pc	0	0	0	0	2	2	10
Diamond bit	NQ	pc	3	4	4	5	2	18	46
Diamond bit	BQ	pc	1	4	3	0	7	15	46
Diamond bit	76mm	pc	0	0	0	56	0	56	56
Diamond bit	59mm	pc	0	0	0	22	0	22	22
Metal crown	HW	pc	0	0	0	0	0	0	5
Metal crown	NW	pc	0	2	0	0	0	2	14
Metal crown	BW	pc	1	1	0	0	0	2	9
Diamond shoe	HW	pc	0	0	0	1	1	2	4
Diamond shoe	NW	pc	1	0	0	4	1	6	14
Diamond shoe	BW	pc	1	0	0	0	1	2	13
Core box		pc	13	33	14	23	26	109	265

Appendix 3-4

Drilling Meter of Diamond Bits

Apx. 3-4 Drilling Meter of Diamond Bits (1)

Size	Bits	Drilling meter by drillhole (m)										Total	Efficiency
	(pcs)	MJKA-1	MJKA-2	MJKA-4	MJKA-6	MJKA-7	MJKA-8	MJKA-9	MJKA-10	MJKA-11	MJKA-13	(m)	(m/bit)
HQ	1	29.2										29.2	29.2
	2		57.5									57.5	28.8
	1			29.4								29.4	29.4
	1				16.5							16.5	16.5
	3					30.3						30.3	10.1
	0						0					0	
	0							0				0	
	0								0			0	
	0									0		0	
	2										20	20	10.0
Sub total	10	29.2	57.5	29.4	16.5	30.3	0.0	0.0	0.0	0.0	20.0	182.9	18.3
NQ	2	56.5										56.5	28.3
	14		183.0									183	13.1
	3			30.1								30.1	10.0
	4				51.4							51.4	12.9
	5					61.4						61.4	12.3
	3						68.0					68.0	22.7
	4							99.4				99.4	24.9
	4								73.9			73.9	18.5
	5									54.4		54.4	10.9
	2										43.7	43.7	21.9
Sub total	46	56.5	183.0	30.1	51.4	61.4	68.0	99.4	73.9	54.4	43.7	721.8	15.7

Apx. 3-4 Drilling Meter of Diamond Bits (2)

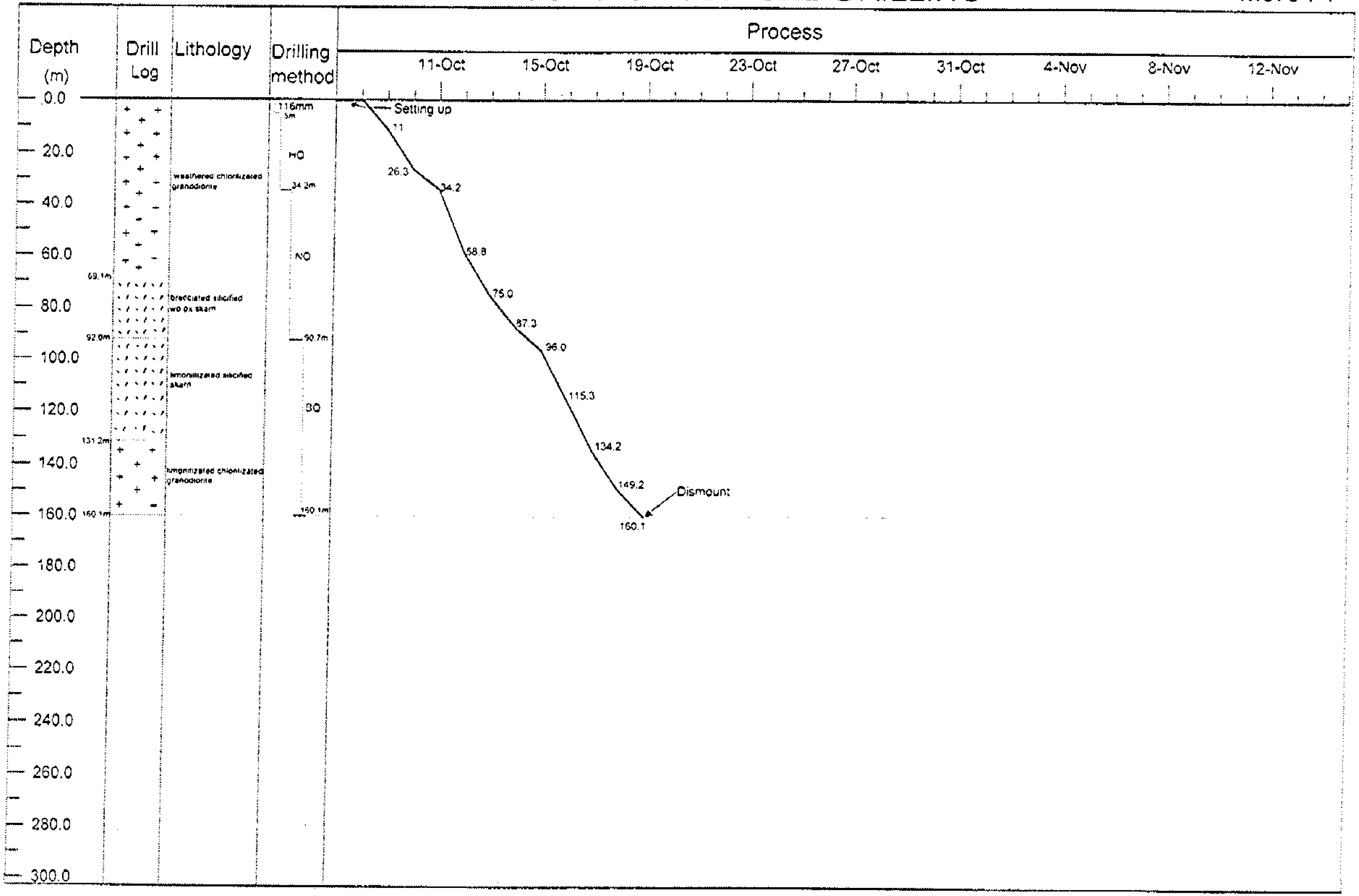
Size	Bits	Drilling meter by drillhole (m)										Total	Efficiency
	(pcs)	MJKA-1	MJKA-2	MJKA-4	MJKA-6	MJKA-7	MJKA-8	MJKA-9	MJKA-10	MJKA-11	MJKA-13	(m)	(m/bit)
BQ	2	69.4										69.4	34.7
	0		0									0	
	8			99.8								99.8	12.5
	10				89.2							89.2	8.9
	11					185.4						185.4	16.9
	1						32.0					32.0	32.0
	4							106.4				106.4	26.6
	3								36.9			36.9	12.3
	0									0		0	
	7										108.4	108.4	15.5
Sub total	46	69.4	0.0	99.8	89.2	185.4	32.0	106.4	36.9	0.0	108.4	727.5	15.8
Grand total	102	155	241	159	157	277	100	206	111	54	172	1,632	16.0

Appendix 3-5

Progress Record of Diamond Drilling

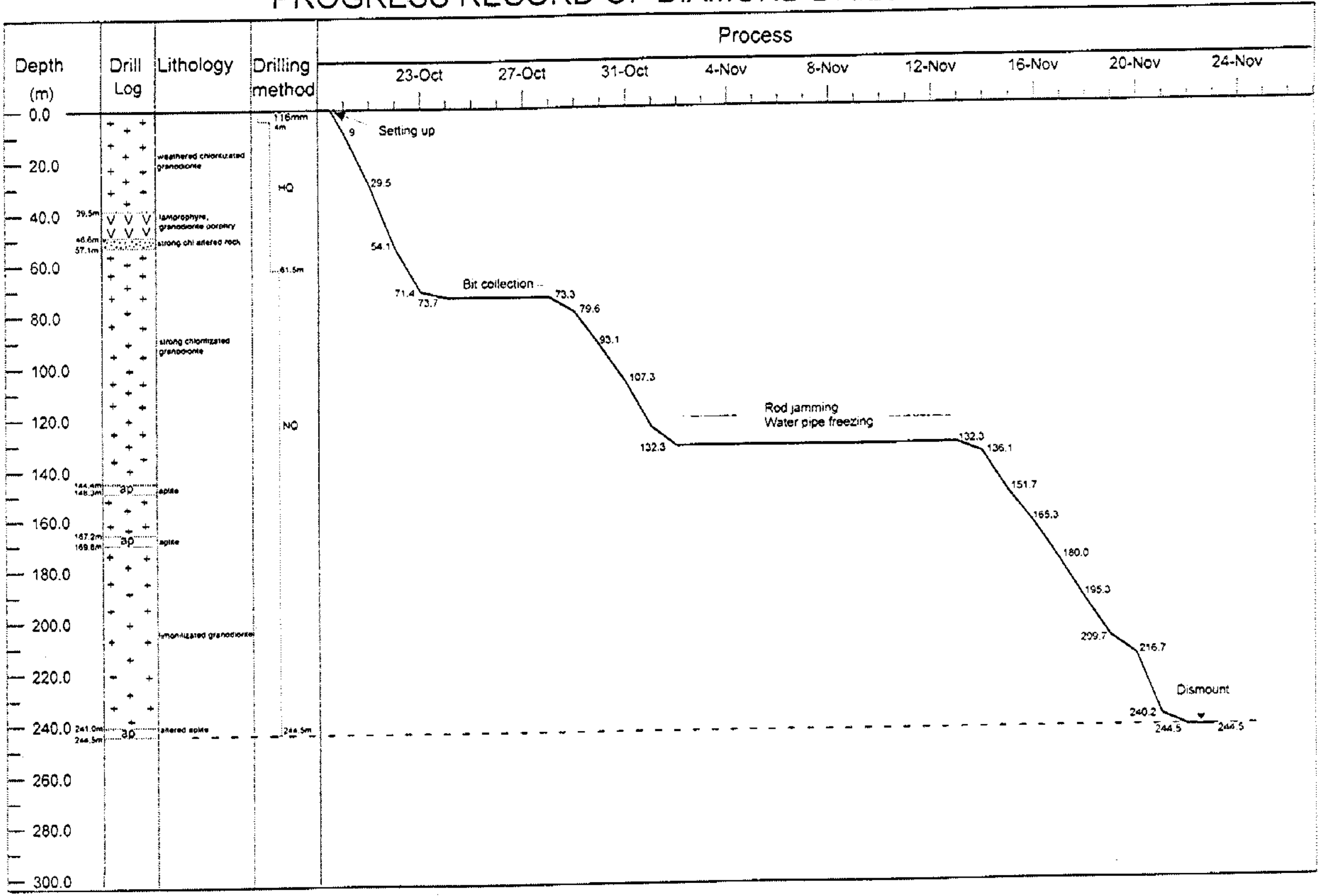
PROGRESS RECORD OF DIAMOND DRILLING

MJKA-1



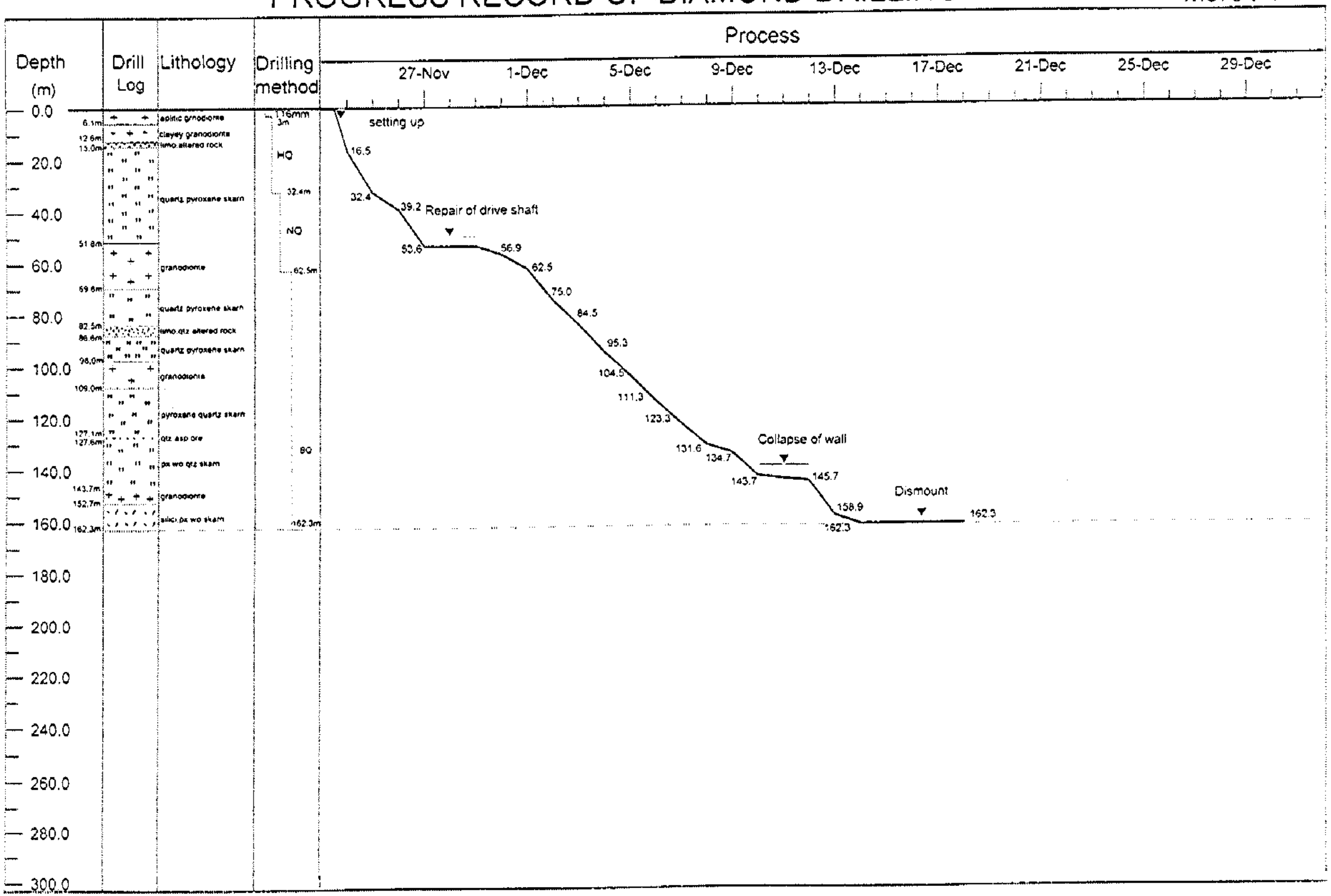
PROGRESS RECORD OF DIAMOND DRILLING

MJKA-2



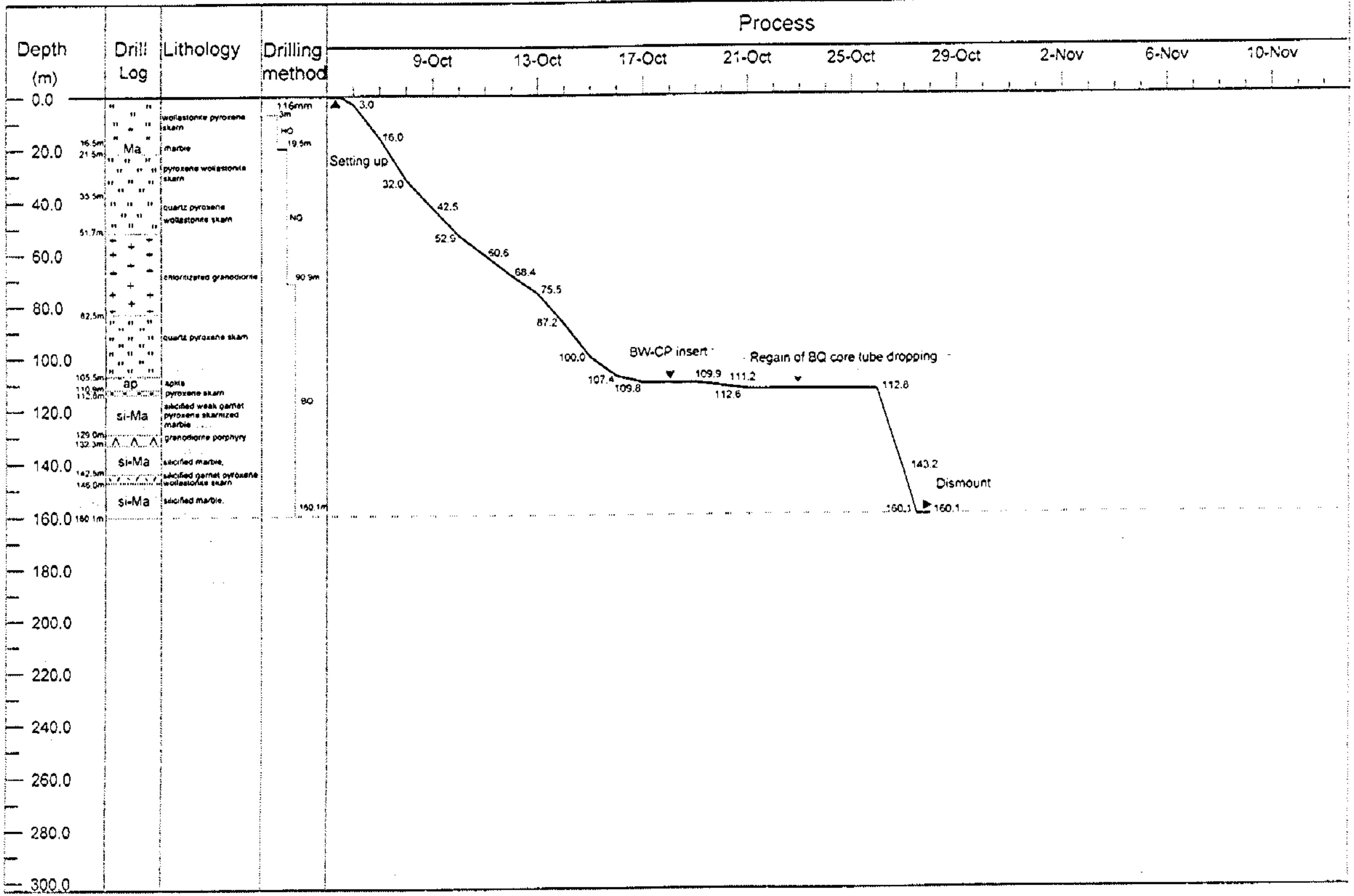
PROGRESS RECORD OF DIAMOND DRILLING

MJKA-4



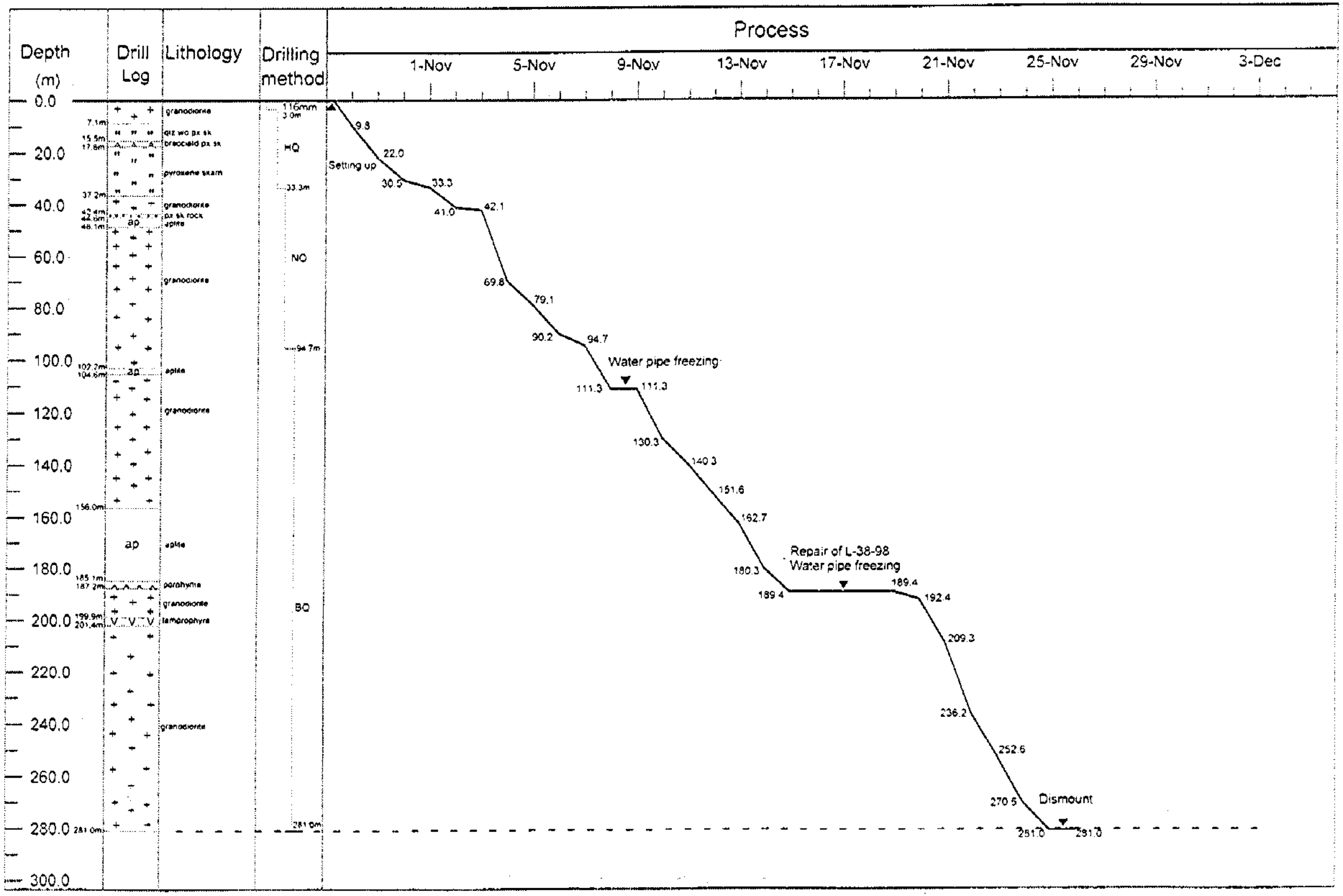
PROGRESS RECORD OF DIAMOND DRILLING

MJKA-6



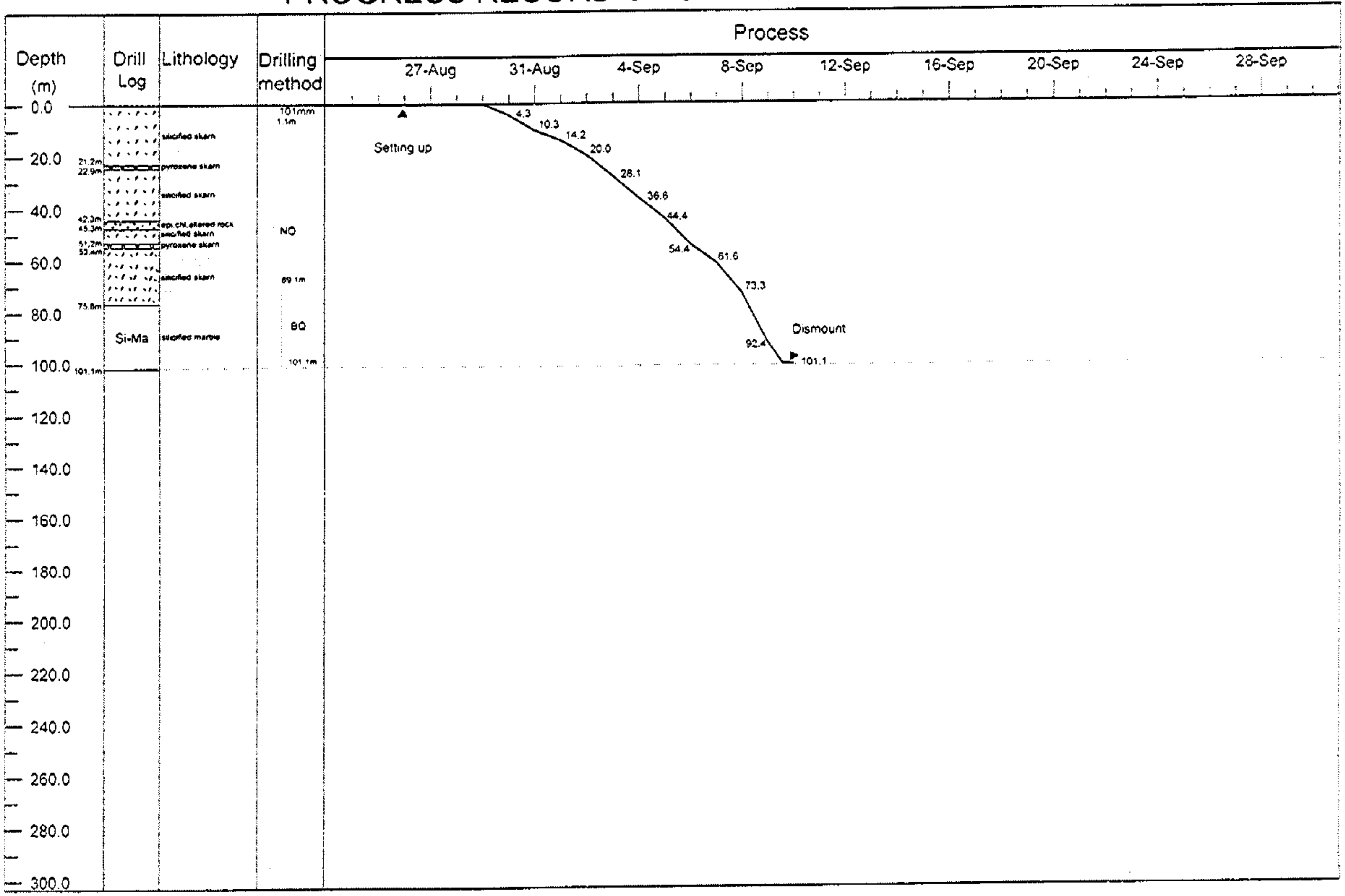
PROGRESS RECORD OF DIAMOND DRILLING

MJKA-7



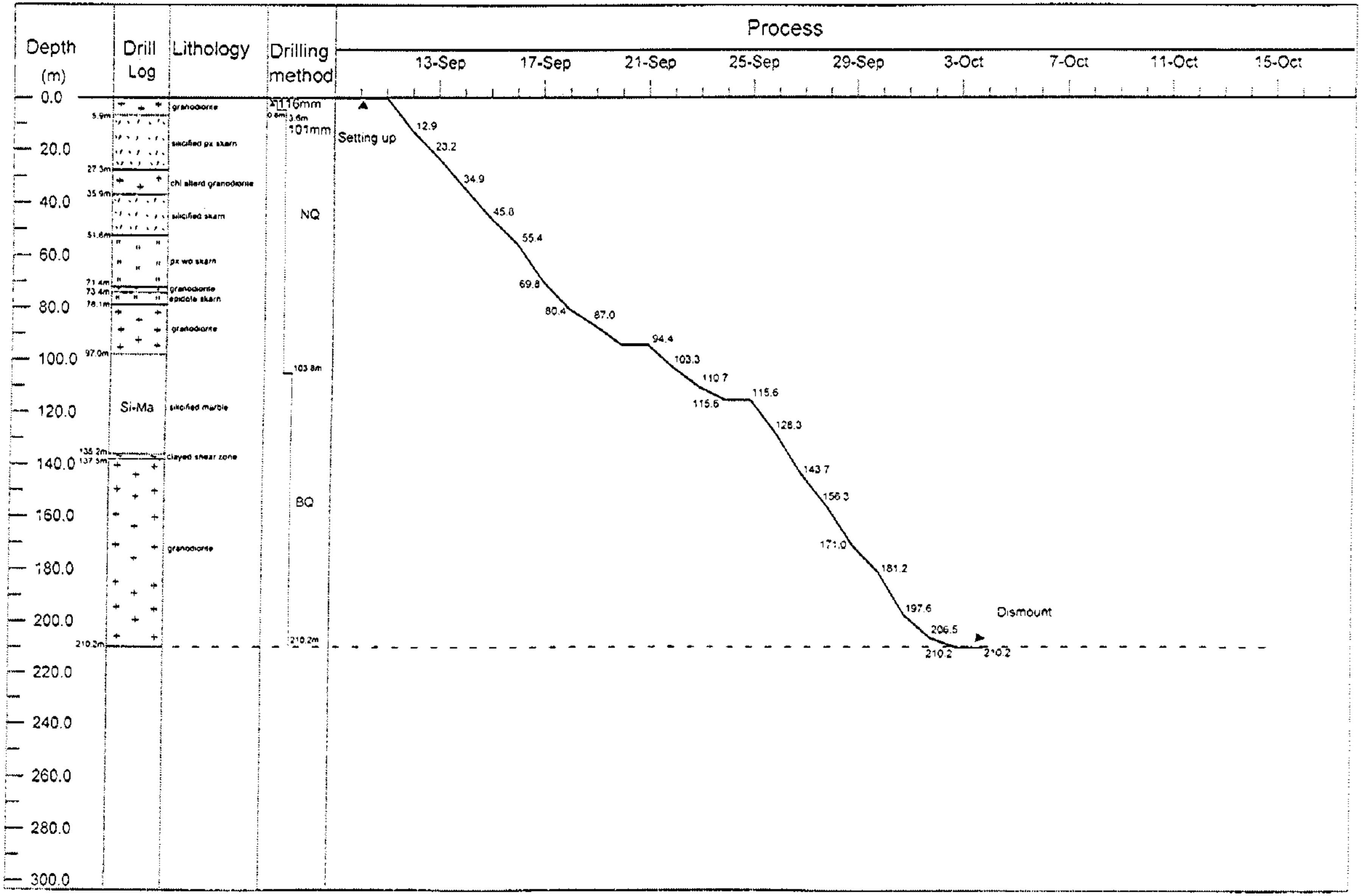
PROGRESS RECORD OF DIAMOND DRILLING

MJKA-8



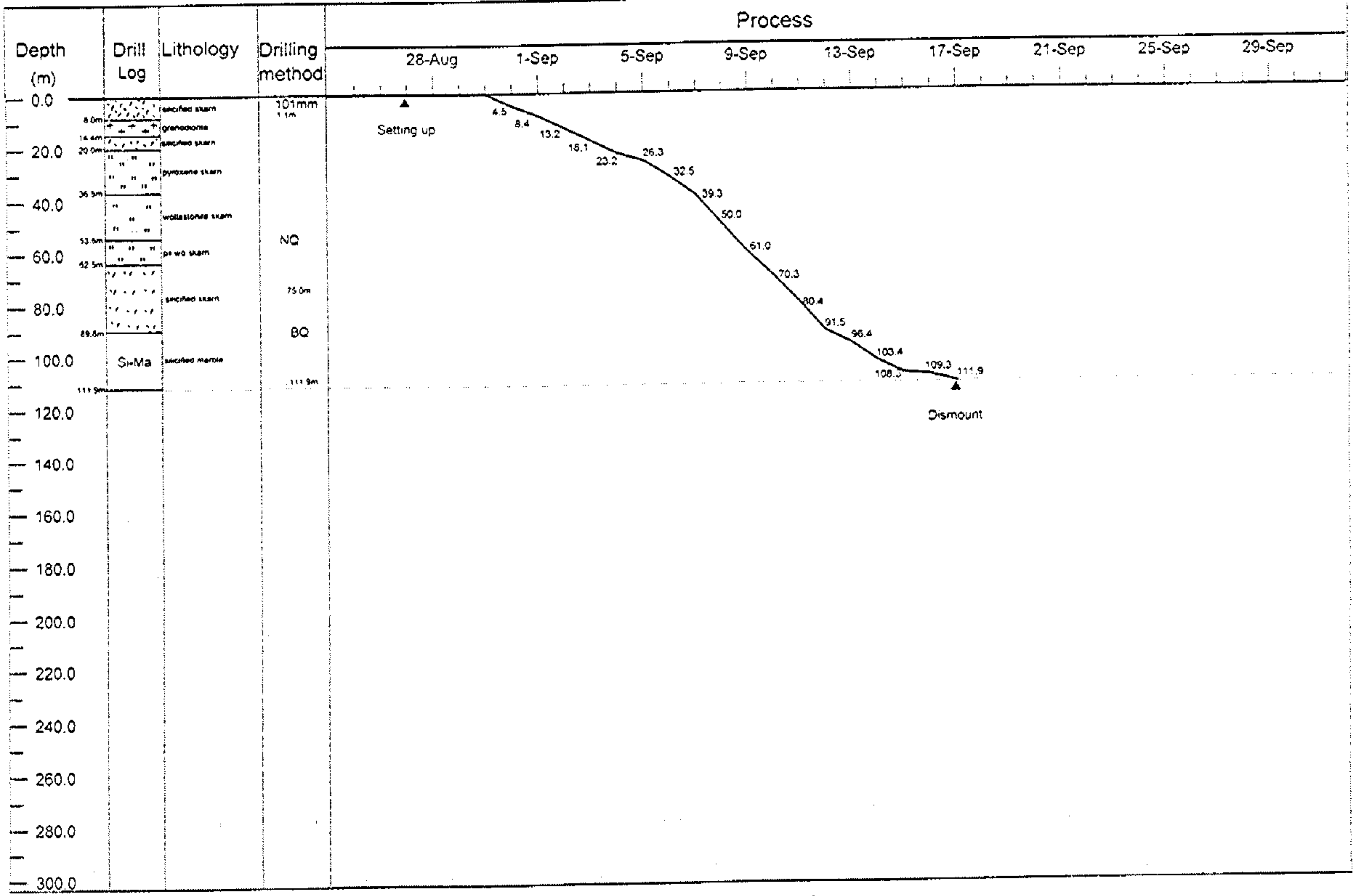
PROGRESS RECORD OF DIAMOND DRILLING

MJKA-9



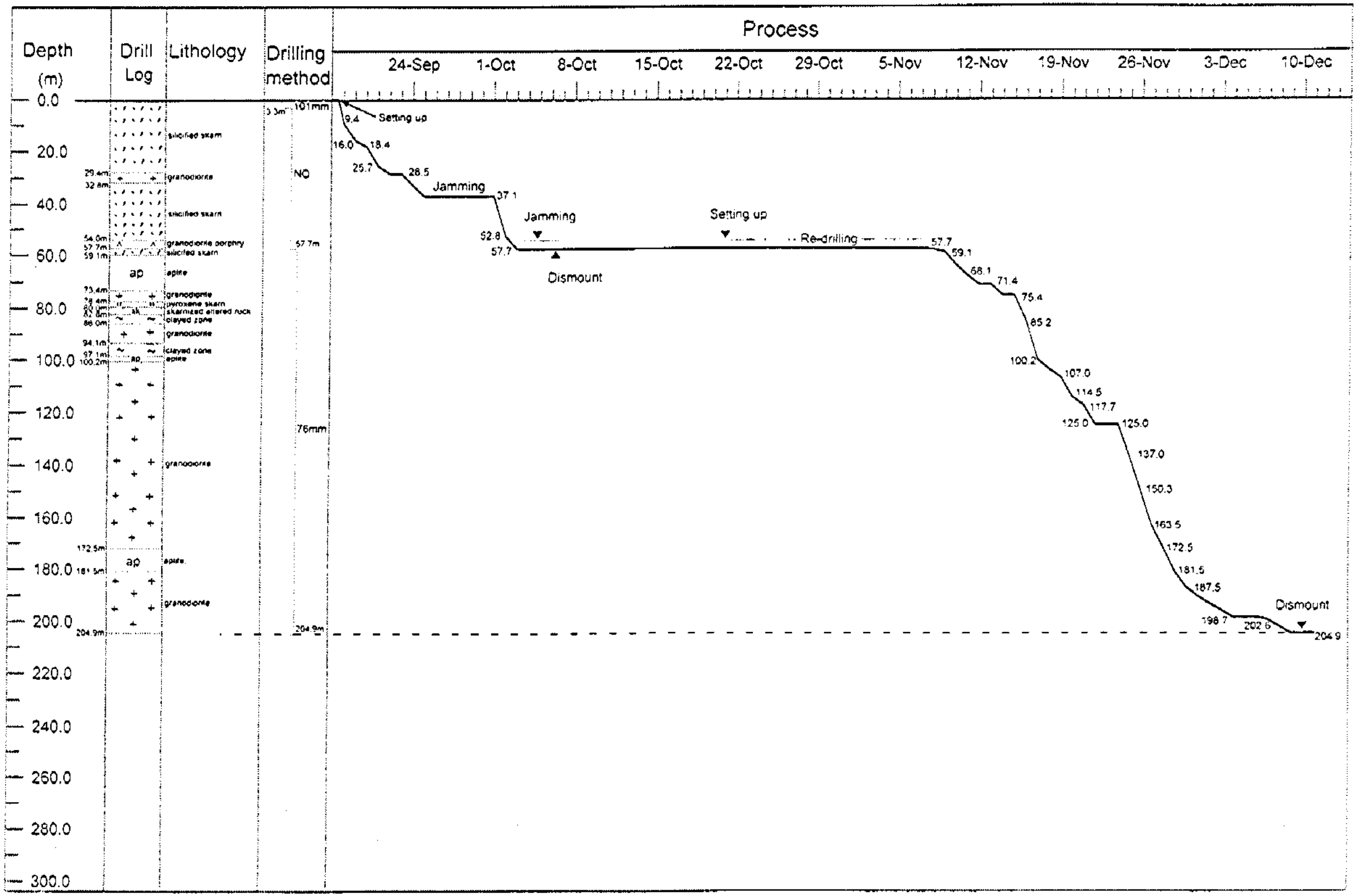
PROGRESS RECORD OF DIAMOND DRILLING

MJKA-10



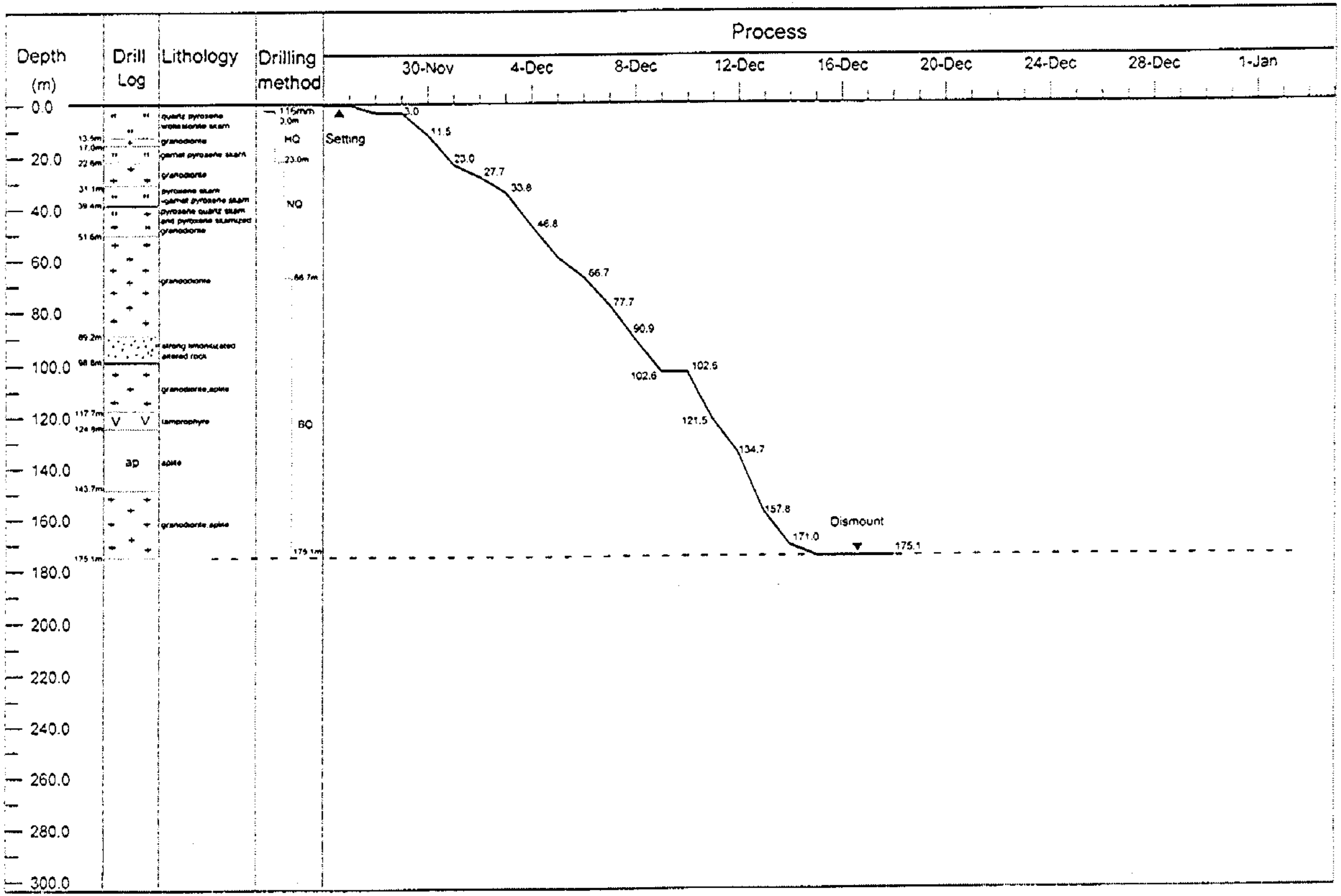
PROGRESS RECORD OF DIAMOND DRILLING

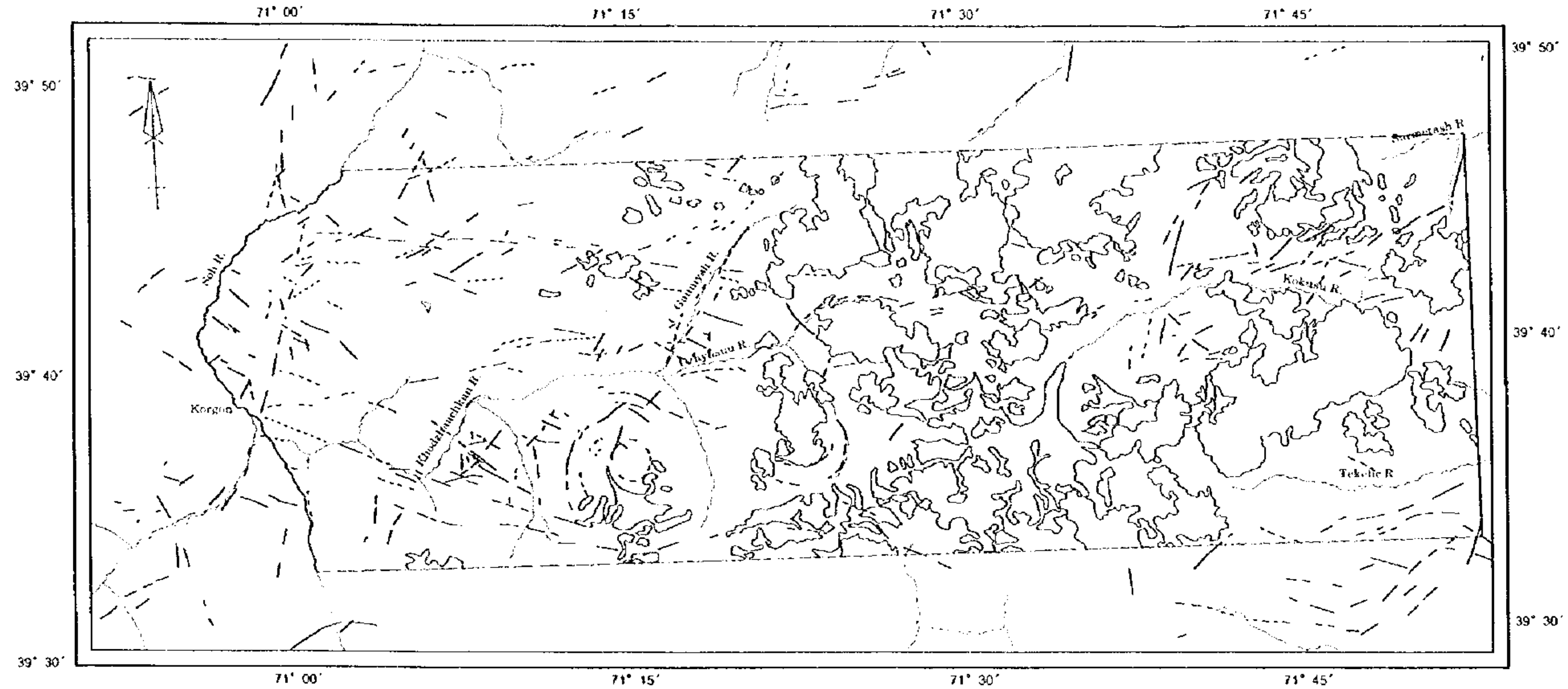
MJKA-11



PROGRESS RECORD OF DIAMOND DRILLING

MJKA-13

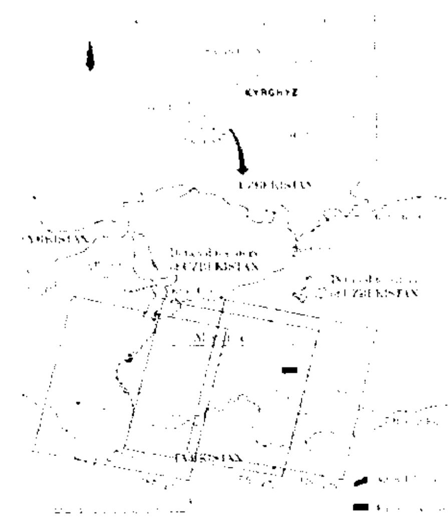




PL. 1

THE MINERAL EXPLORATION
IN
THE ALAY AREA , THE KYRGHYZ REPUBLIC
(PHASE I)

Lineament and Geological Structure Map of Spot Image



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METAL MINING AGENCY OF JAPAN
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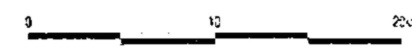
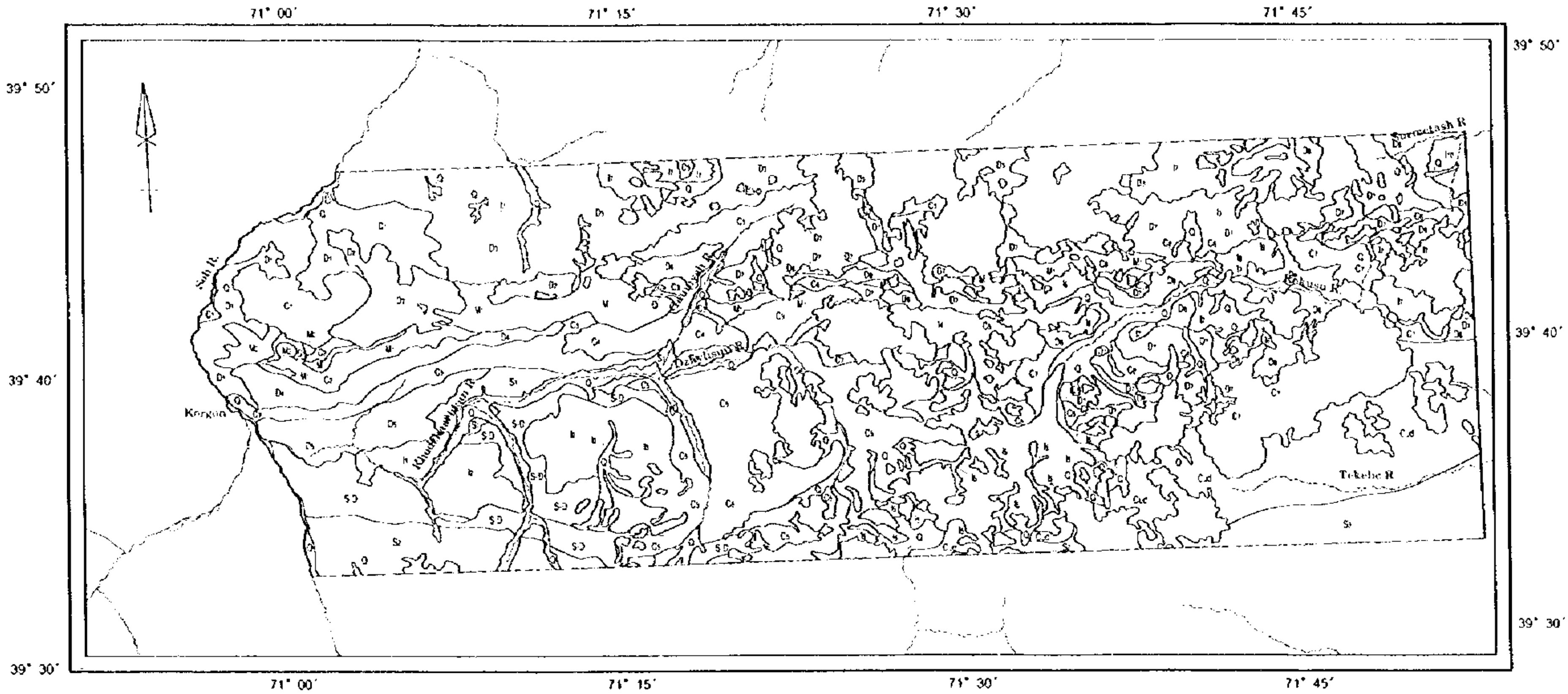


LEGEND

- Bedding trace and dip direction
- Lineament
- Glacier, snow cover
- Cloud
- Drainage
- Alay area



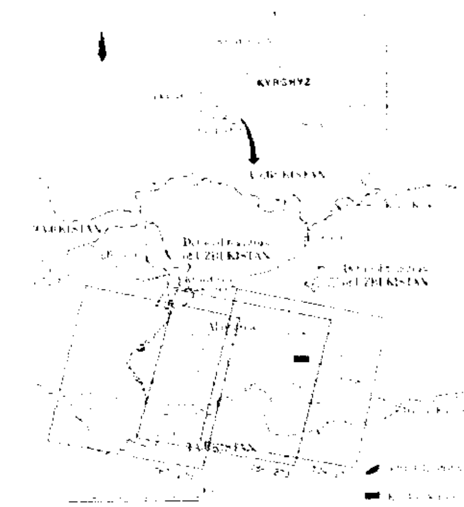
Photogeologic Characteristics of Interpretation Units

Units	Photocharacteristics		Drainage		Geomorphologic aspects		Correlation	Rock Types
	Color	Texture	Pattern	Density	Resistance	Bedding		
Q	gray to dark brown	fine	parallel	very low	very low	none	Quaternary	sand, gravel
M	brown	fine	dendritic	low	low	none	Tertiary, Cretaceous	slst, ss, cgl
M	red	moderate	dendritic	high	moderate	poor	Cretaceous	slst, ss, cgl
C	red	coarse	dendritic	high	moderate	none	L.M.Carboniferous	mdst, ss
C	dark gray	fine	subparallel	moderate	low	none	L.M.Carboniferous	mdst, ss
C	dark gray to red	fine	subparallel	moderate	low	none	M.U.Carboniferous	mdst, ss, cgl
C	reddish gray	coarse	subparallel	high	high	none	L.M.Carboniferous	mdst, ss
C	dark gray	coarse	dendritic	high	high	poor	M.U.Carboniferous	mdst, ss, cgl
C	dark brown	fine	dendritic	moderate	moderate	none	L.M.Carboniferous	mdst, ss
C	dark brown	moderate	subdendritic	high	high	well	L.M.Carboniferous	ls, dol
C-d	red	moderate	dendritic	high	moderate	poor ~ well	Carboniferous	ss, cgl, ls, dol
D	reddish gray	coarse	subdendritic	high	high	none	Devonian	ls, dol, ma
D	dark gray	fine	subparallel	moderate	low	none	Devonian	ls, dol, ma
D	dark gray	fine	subdendritic	moderate	moderate	partially well	Devonian	ls, dol, ma
D	red to pinkish	coarse	subparallel	moderate	low	none	Devonian	ls, dol, ma
D	dark gray brown	fine	subparallel	moderate	low	none	Devonian	mdst, ss
D	red to pinkish brown	coarse	subparallel	moderate	low	none	Devonian	ls, dol, ma
D	gray to dark brown	coarse	subdendritic	high	high	none	Devonian	ls, dol, ma
D	light gray	moderate	subdendritic	high	high	poor	Devonian	ls, dol, ma
S-D	dark gray	coarse	subdendritic	high	very high	poor	Silurian - Devonian	marble
S	dark gray	fine	subdendritic	moderate	low	none	Silurian	mdst, ss
S	dark gray	coarse	subdendritic	high	high	none	Silurian	mdst, ss
S	red to reddish gray	moderate	dendritic	moderate	moderate	partially well	Ordovician - Silurian	mdst, ss
i	reddish pink	coarse	subdendritic	high	very high	none	L-U Perm	Matcha complex
i	dark gray	coarse	Annular	high	very high	none	L-U Perm	Matcha complex
i	dark gray	coarse	subradial	high	very high	none	L-U Perm	Matcha complex
i	dark brown	fine	dendritic	moderate	moderate	none	U.Carb - L.Perm	[illegible] complex
i	dark brown	moderate	dendritic	moderate	high	none	U.Carb - L.Perm	[illegible] complex
i	dark brown	coarse	subdendritic	high	moderate	none	U.Carb - L.Perm	[illegible] complex
i	dark brown	coarse	subdendritic	moderate	moderate	none	U.Carb - L.Perm	[illegible] complex
i	dark brown	moderate	subparallel	moderate	moderate	none	U.Carb - L.Perm	[illegible] complex
i	dark brown	fine	dendritic	moderate	moderate	none	U.Carb - L.Perm	[illegible] complex
i	dark brown	coarse	subparallel	moderate	moderate	none	U.Carb - L.Perm	[illegible] complex

PL. 2

THE MINERAL EXPLORATION
IN
THE ALAY AREA, THE KYRGHYZ REPUBLIC
(PHASE I)

Geological Interpretation Map of Spot image



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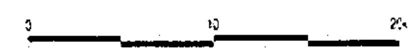
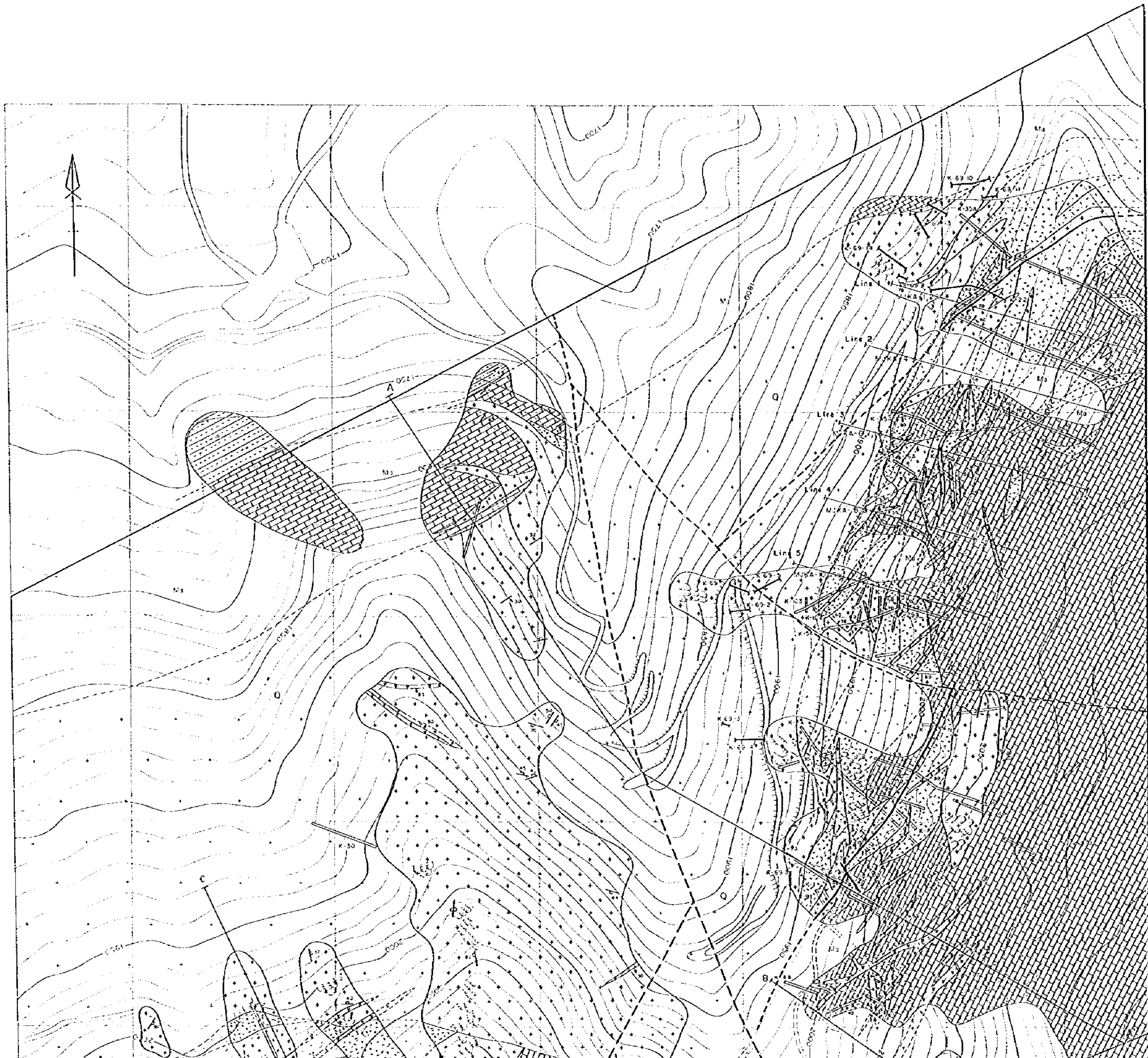


LEGEND

- Interpretation unit and boundary
- Glacier, snow cover
- Cloud
- Drainage
- Alay area

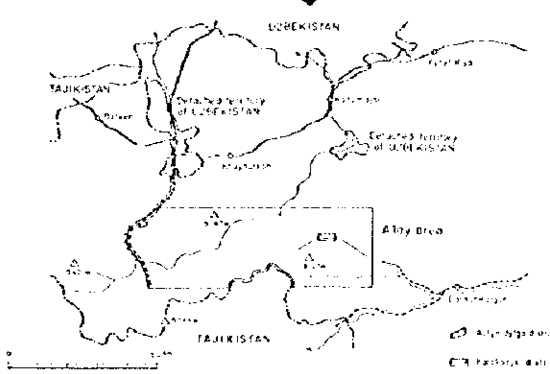


THE MINERAL EXPLORATION
IN
THE ALAY AREA, THE KYRGHYZ REPUBLIC
(PHASE I)

PL.- 3

Geological Map of the Altyn-Jylga District -(1)

(1:2,000)



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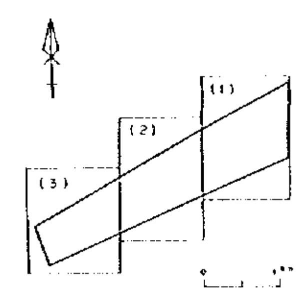

0 100 200m

LEGEND

Quaternary	Q	Talus
Devonian to Carboniferous		Limestone, marble
		Argillaceous slate
Intrusive Rocks		Lamprophyre
		Porphyry
		Aplite
		Granitic rock
		Skarn
		Silicified skarn


TAJIKISTAN
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1998
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0
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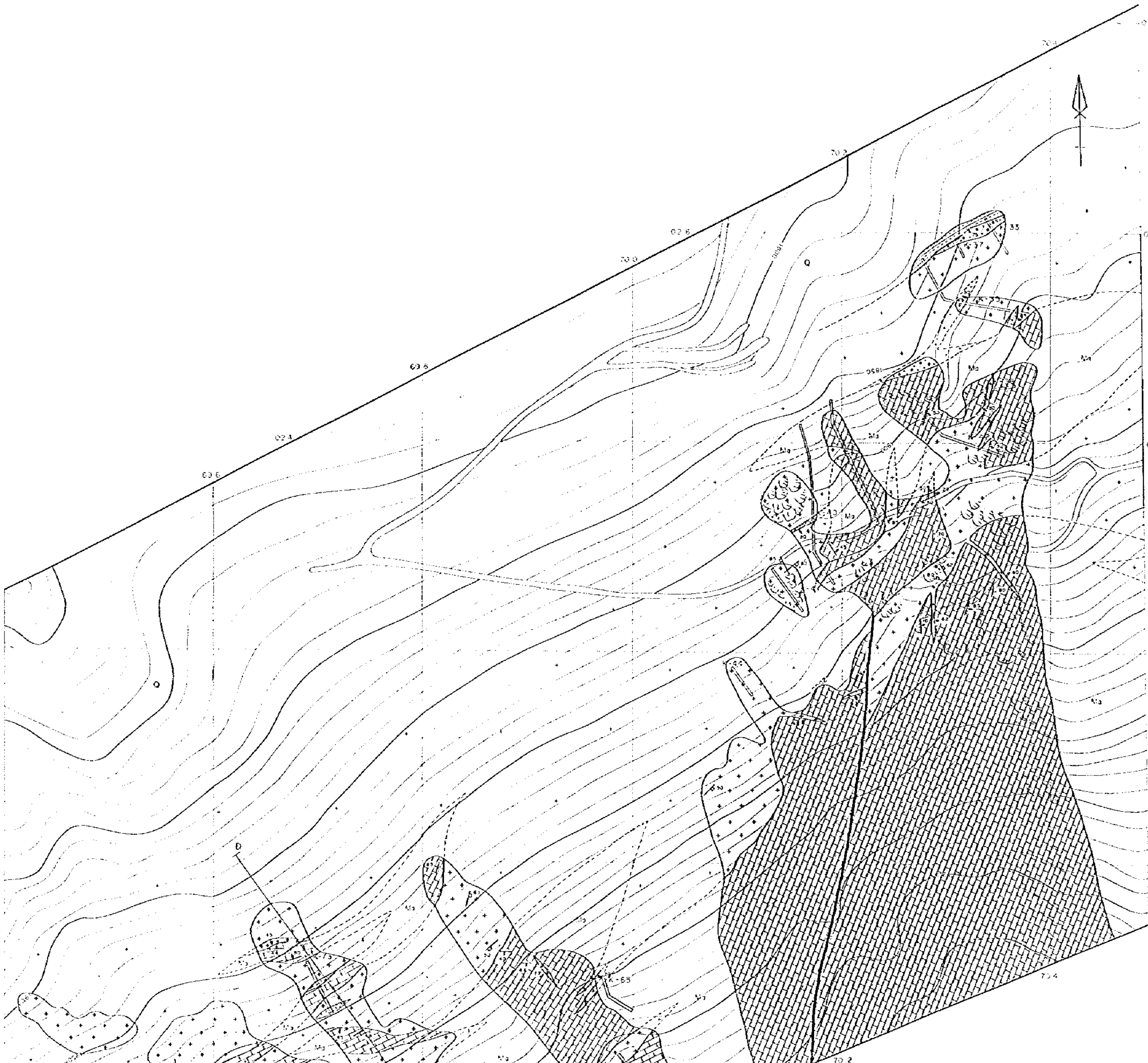
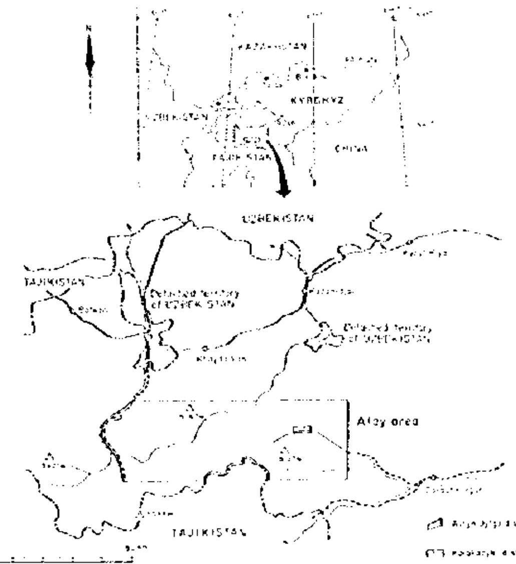
200 m
Line 3
Line 4
Line 5
A
B
C
Q
LEGEND
Quaternary
Q Talus
Devonian to Carboniferous
Limestone, marble
Argillaceous slate
Intrusive Rocks
Lamprophyre
Porphyry
Aplite
Granitic rock
Skarn
Silicified skarn
Limonitization
Serpentinization
Fault
Concealed and inferred fault
Bedding
Fissure, contact
MJKA-1 Drill hole
Trench
Adit



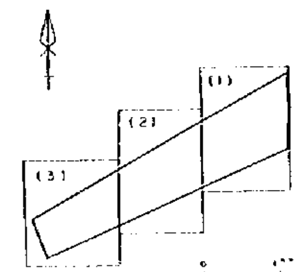
THE MINERAL EXPLORATION IN THE ALAY AREA, THE KYRGHYZ REPUBLIC (PHASE I) PL.- 3

Geological Map of the Altyn-Jylga District -(2)

(1:2,000)



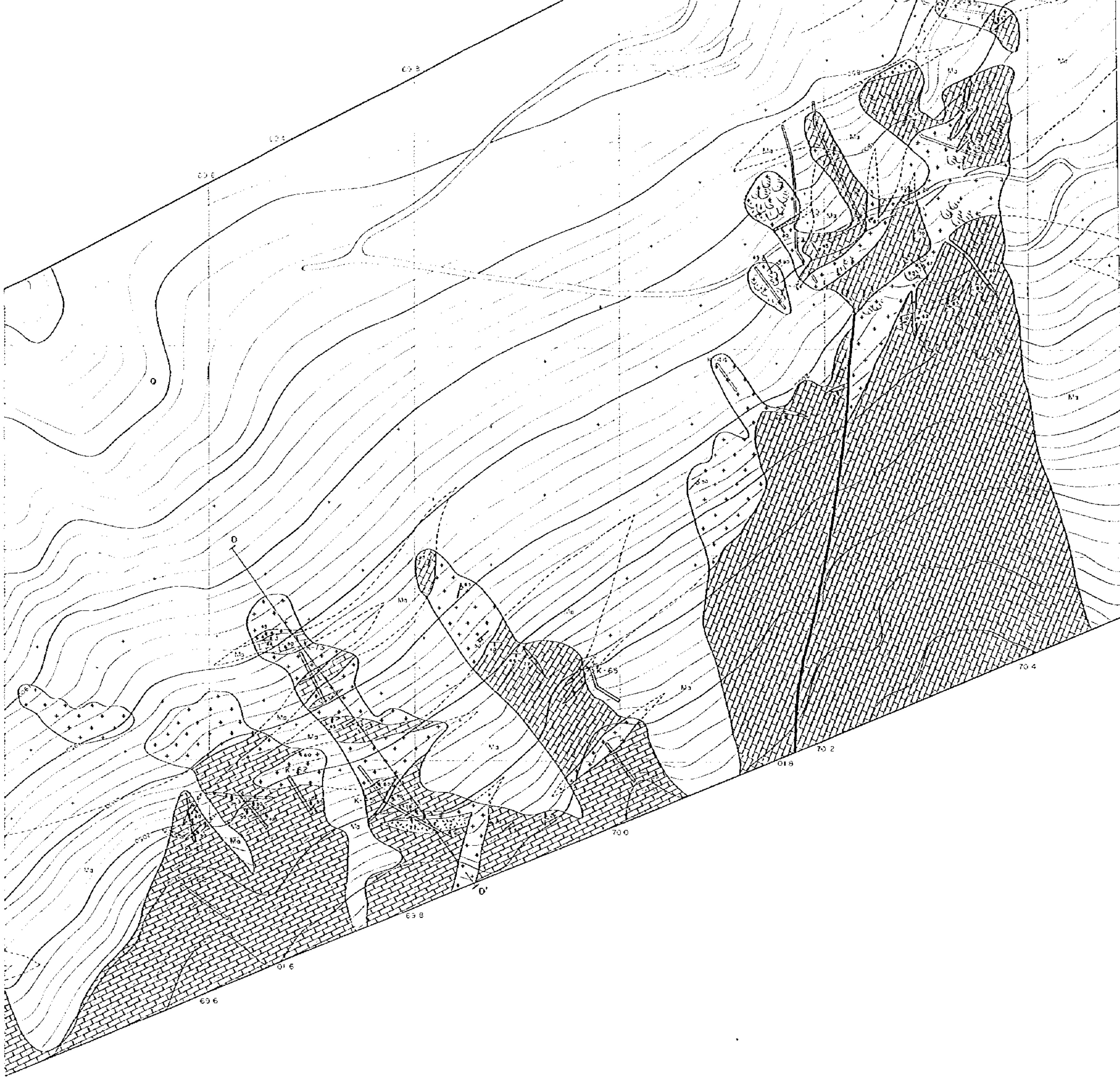
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1999

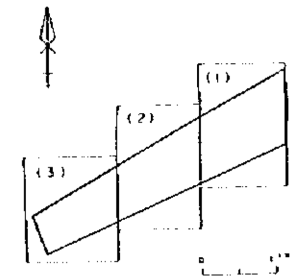


0 100 200m

LEGEND

Quaternary	Q	Talus
Devonian to Carboniferous		Limestone, marble
		Argillaceous slate
Intrusive Rocks		Lamprophyre
		Porphyry
		Aplite
		Granitic rock
		Skarn

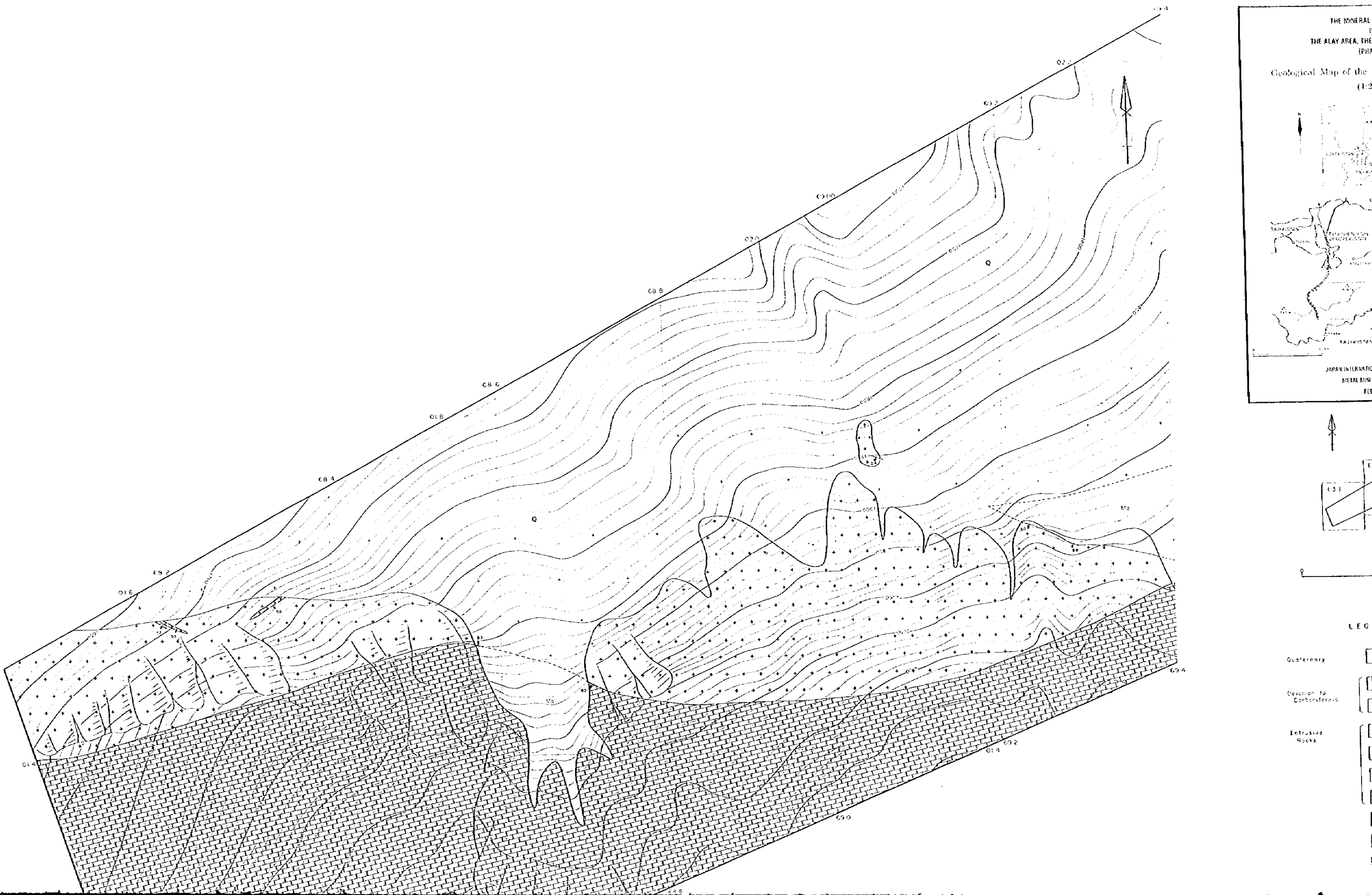




0 100 200m

LEGEND

Quaternary	Q	Talus
Devonian to Carboniferous		Limestone, marble
		Argillaceous slate
Intrusive Rocks		Lamprophyre
		Porphyry
		Aplite
		Granitic rock
		Skarn
		Silicified skarn
		Limonitization
		Serpentinization
		Fault
		Concealed and inferred fault
	40	bedding
		fissure, contact
	MJKA-1	Drill hole
		Trench
		Adit



THE MINERAL
THE ALAY AREA, THE
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Geological Map of the
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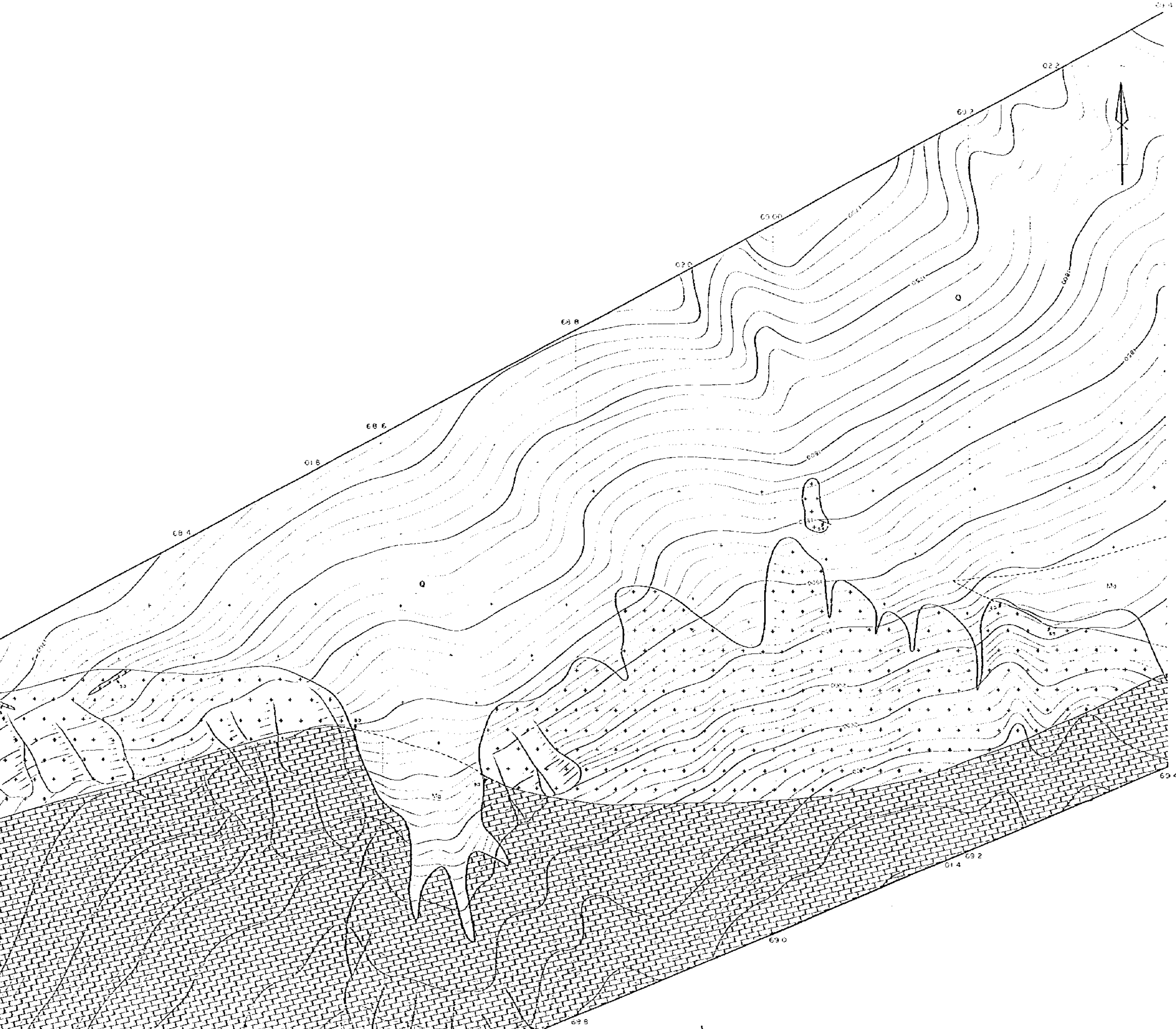
Quaternary
Devonian to Carboniferous
Intrusive Rocks
Q
Ma

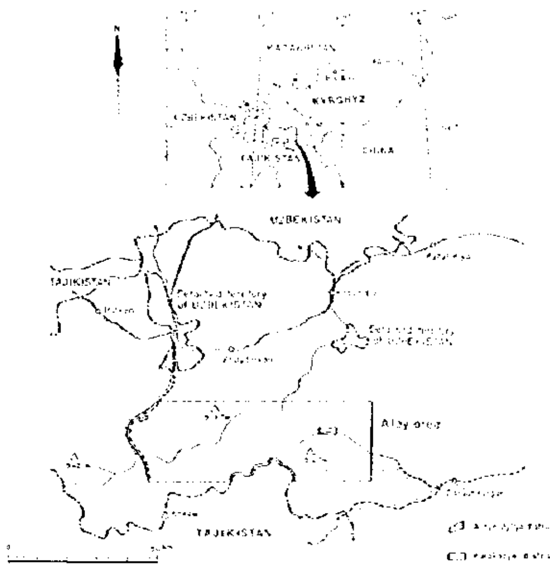


THE MINERAL EXPLORATION
IN
THE ALAY AREA, THE KYRGHYZ REPUBLIC
(PHASE I)

PL.- 3

Geological Map of the Altyn-Jylga District (3)

(1:2,000)



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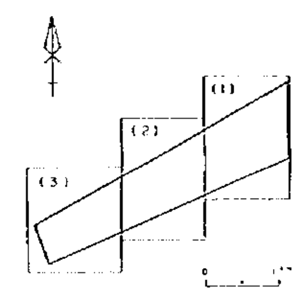
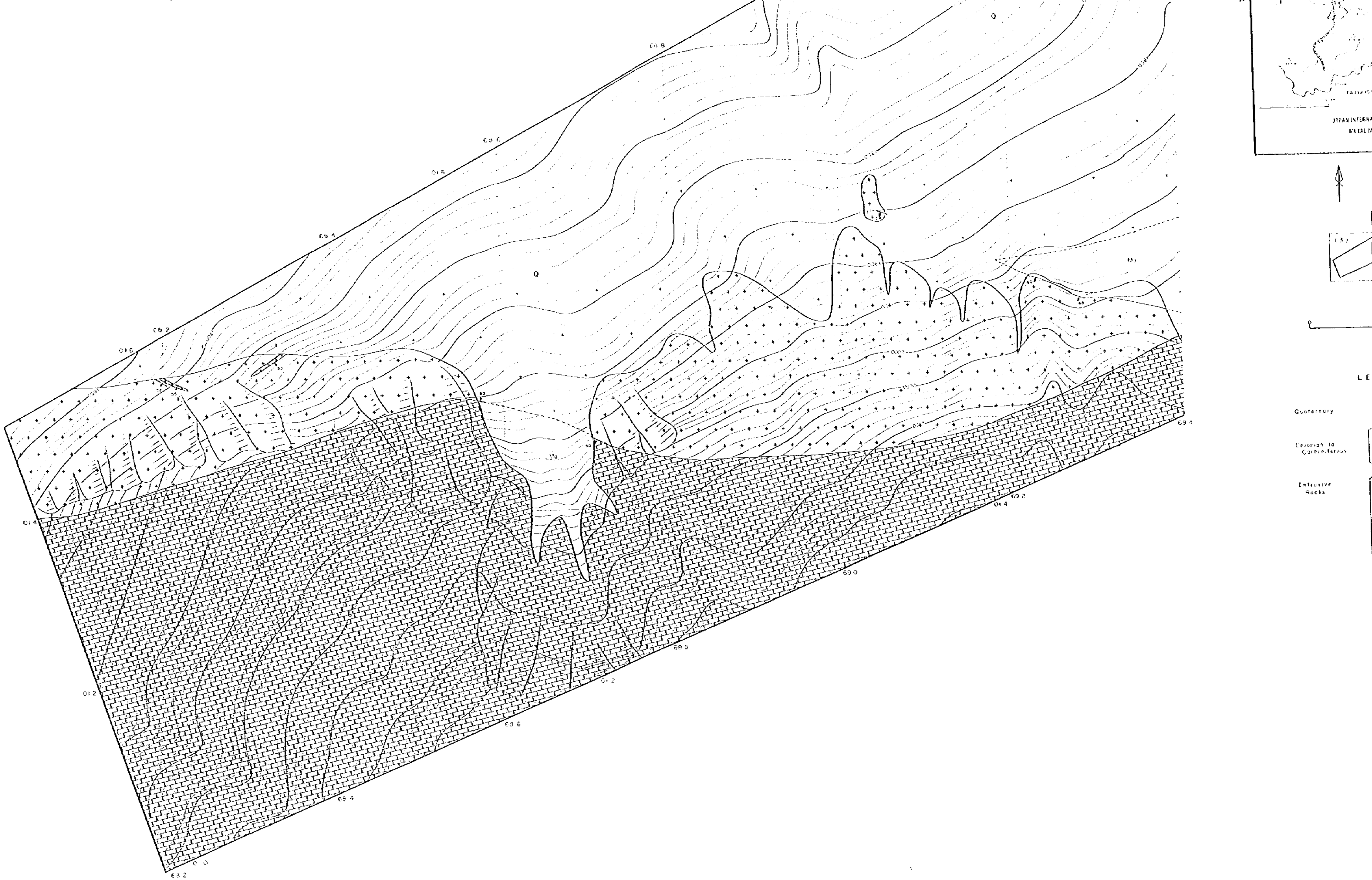


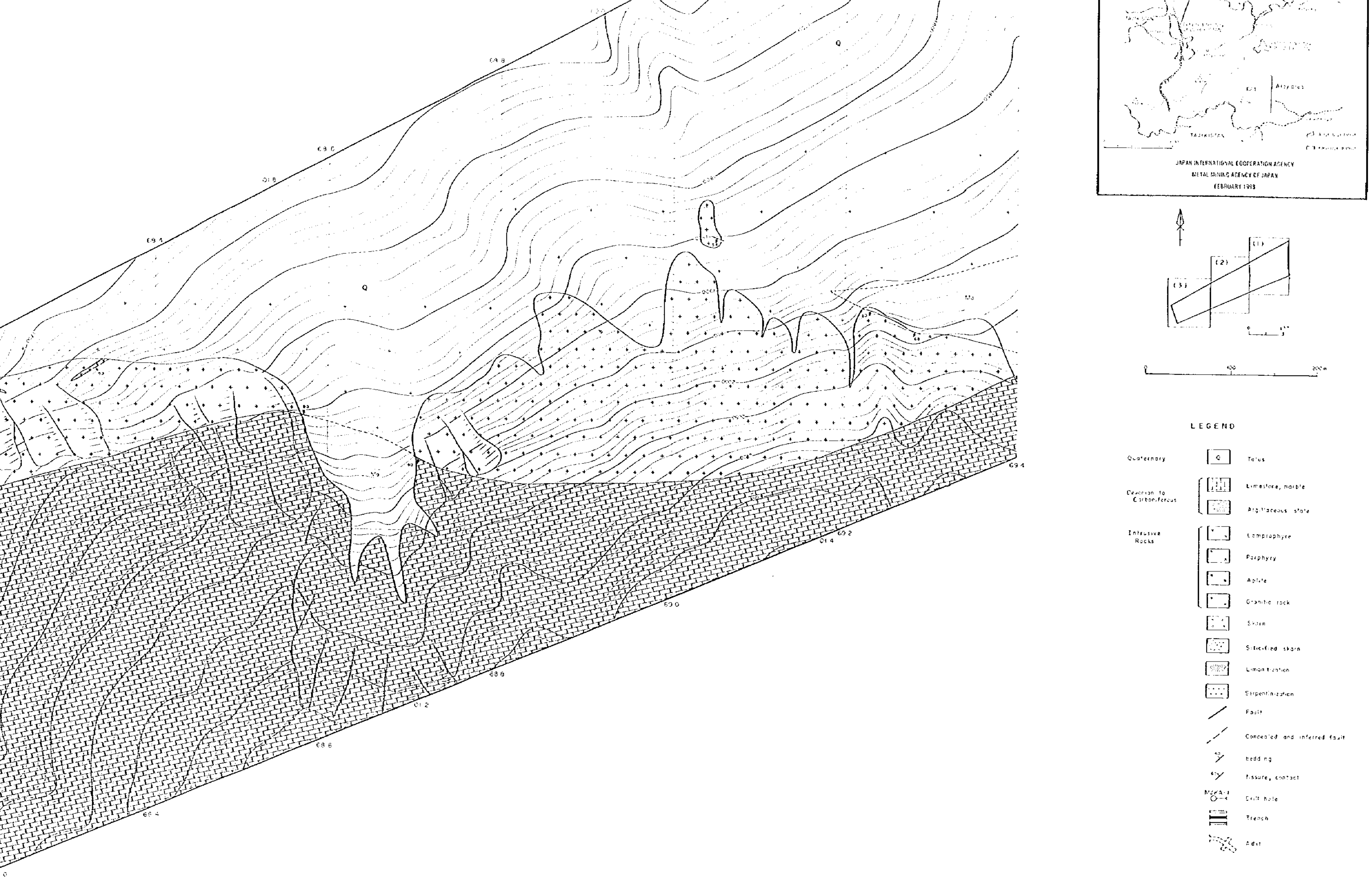
0 100 200m

LEGEND

Quaternary	Q	Talus
Devonian to Carboniferous		Limestone, marble
		Argillaceous slate
Intrusive Rocks		Lamprophyre
		Porphyry
		Aplite
		Granitic rock
		Skarn
		Silicified skarn
		Limonitization
		Serpentinization



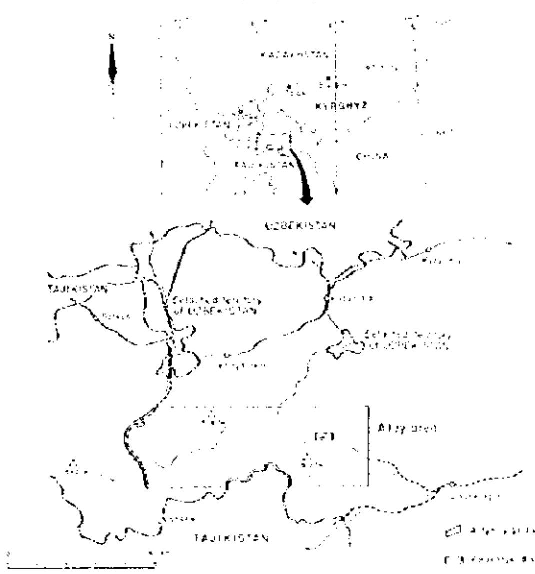
Quaternary
Devonian to Carboniferous
Intrusive Rocks


TAJIKISTAN
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 1998
(1)
(2)
(3)
LEGEND
Quaternary
Talus
Devonian to Carboniferous
Limestone, marble
Argillaceous slate
Intrusive Rocks
Lamprophyre
Porphyry
Aplite
Granitic rock
Skarn
Silicified skarn
Limonitization
Serpentinization
Fault
Concealed and inferred fault
bedding
fissure, contact
Drill hole
Trench
Adit

THE MINERAL EXPLORATION IN THE ALAY AREA, THE KYRGHYZ REPUBLIC (PHASE I) PL.- 4

Geological Cross Sections of the Altyn-Jylga District

(1:2,000)



JAPAN INTERNATIONAL COOPERATION AGENCY
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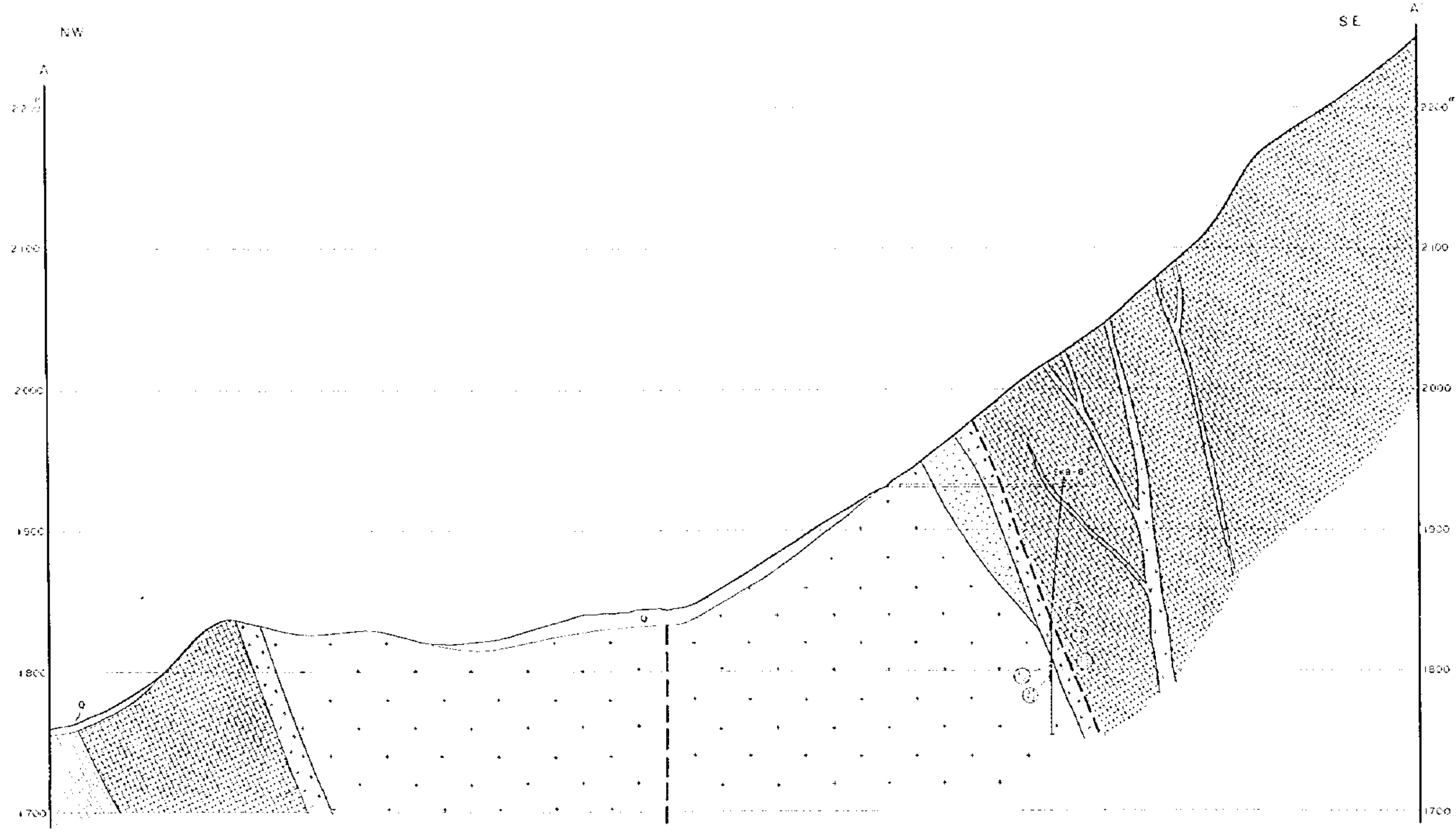
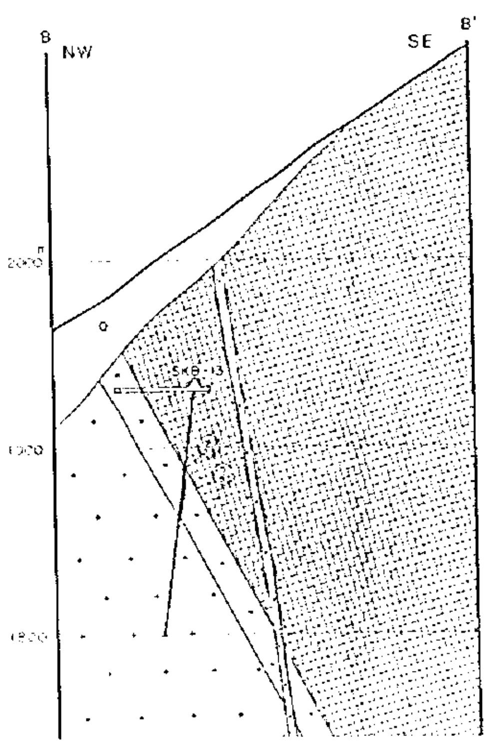
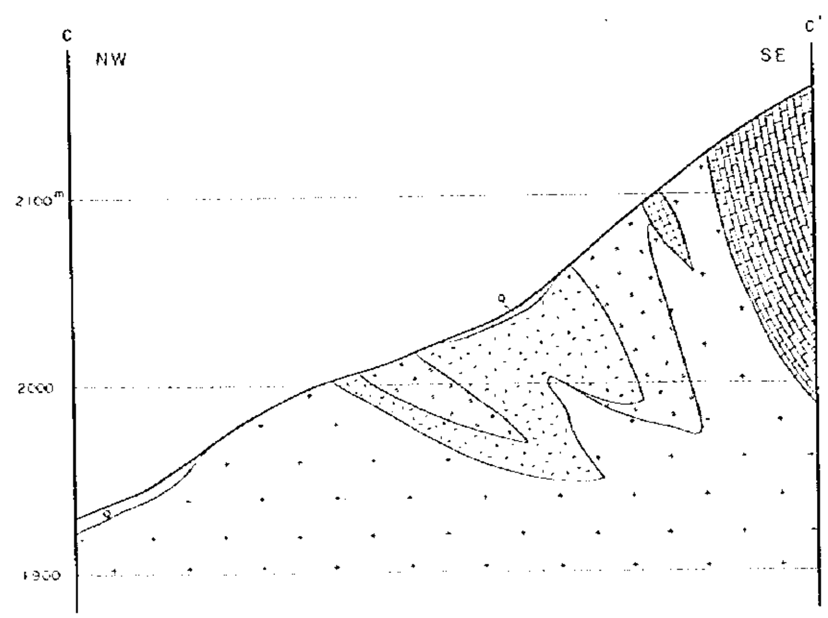
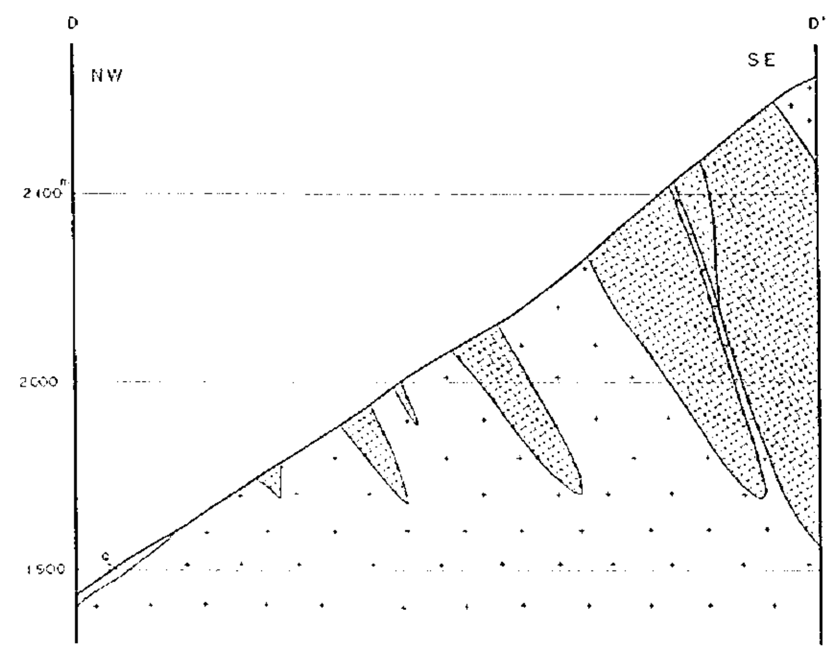
FEBRUARY 1998









0 10 20m

LEGEND

Quaternary — Q — Talus

Devonian to Carboniferous — Limestone, marble; Argillaceous slate

Intrusive Rocks — Lamprophyre; Porphyry; Aplite; Granitic rock

Skarn

Silicified skarn

Fault

Concealed and inferred fault

Au (g/t) / Width (m)