Small areas (10% of the total area of the section) of U-shaped carcass texture are observed in the rock. They were formed as a result of oxidation of manganosiderites and are represented by cryptocrystalline aggregates of dark-brown color composed of a mixture of hydrous ferric and hydrous manganic oxides with the formation of zonal-concentric structures.

Pyrite is observed among gangue minerals in the shape of separate small grains (0.005-0.01mm).

Hematite occurs as a single grain of columnar shape (2.0mm).

Malachite is observed in the shape of columnar and xenomorphic-granular aggregates filling cavities and pockets in the rock.

Microstructures: Columnar, xenomorphic-granular.

23. POLISHED SECTION 6KS195

Texture: Socket-impregnated, U-shaped, carcass.

Composition: Hydrous ferric oxides 45%, hydrous manganic oxides 10%, gold - 10 signs, malachite 15%, hematite 10-15%, magnetite 1-2%, chalcopyrite - traces, pyrite - traces, pyrrhotite - traces.

Ore mineralization is widely represented by hydrous ferric oxides, which are observed on chalcopyrite with the formation of complete pseudomorphs; on pyrite which is almost entirely replaced by cryptocrystalline aggregates of hydrous ferric oxides; on manganosiderite which is replaced to a various extent, from thin red rims and rims across the surface of cleavage up to the formation of complete pseudomorphs.

The composition of hydrous ferric oxides is as follows: goethite and lepidochrocite.

Microstructures: Cryptocrystalline, zonal-concentric, of frost-pattern structure, festoony, net-like, structures of rims up to complete pseudomorphs.

Hydrous manganic oxides are represented by psilomelane. In a mixture with hydrous ferric oxides, it forms cryptocrystalline aggregates of dark-brown, brown and black color and is observed on manganosiderite in the shape of thin rims on the boundaries of grains and across the surfaces of cleavage up to formation of complete pseudomorphs.

Microstructures: Cryptocrystalline, concentric-zonal, net--like, structures of replacement from rims to complete pseudomorphs.

Gold is observed among hydrous ferric oxides and hydrous manganic

oxides masses, and is also observed in quartz:

1 sign - 0.005 x 0.005 mm, 2 signs - 0.012 x 0.012 mm,
1 sign - 0.042 x 0.018 mm, 2 signs - 0.018 x 0.012 mm,
1 sign - 0.03 x 0.03 mm, 5 signs - 0.072 x 0.02 mm,
1 sign - 0.018 x 0.03 mm.

Gold is tabular, lump-shaped, crystalline (octahedral).

Color: Bright-yellow.

Microstructures: Poikilitic, idiomorphic.

Hematite is observed in the shape of columnar aggregates measuring 0.5-1.0mm. Some individuals are to various extent replaced by magnetite along the boundaries of grains and in fractures and are of net-like shape.

Microstructure: Columnar.

Pyrite and pyrrhotite are observed in quartz in the shape of separate small grains of 0.025-0.01 mm.

Pyrite, in the shape of relics, is also observed in pseudomorphs of hydrous ferric oxides on pyrite.

Microstructures: Idiomorphic, relict.

The major mass of chalcopyrite is replaced by hydrous ferric oxides with the formation of complete pseudomorphs. In quartz, separate grains of chalcopyrite are observed in the shape of oval dotted separations (0.03-0.02mm).

Microstructure: Poikilitic.

Malachite is represented by columnar, xenomorphic-granular aggregates filling cavities and veinlets in the rock.

Microstructure: Xenomorphic-granular, columnar.

24. POLISHED SECTION 6KS251

Texture: U-shaped carcass

Composition: Hydrous manganic oxides and hydrous ferric oxides 35 - 40%; pyrite - traces; chalcopyrite - traces, native silver - 3 signs.

Ore mineralization is mainly represented by hydrous ferric and hydrous manganic oxides, which were developed in the process of oxidation on manganosiderite in the shape of cryptocrystalline aggregates of dark-brown and rusty-brown color. With this, U-shaped carcass texture is formed. Cells are mainly of rectangular shape with a diameter of the tenth and the hundredth fractions of a millimeter. The walls of the cells are composed of

dense aggregates of the mixture of hydrous ferric and manganic oxides of dark-brown color. The thickness of the walls is 0.05 - 0.2 mm.

Hydrous manganic oxides are mainly represented by psilomelane and by smaller quantities of pyrolusite. They are composed of dense cryptocrystalline masses and form the walls of the cells.

Microstructure: Cryptocrystalline, concentric-zonal.

Hydrous ferric oxides are represented by goethite and by smaller quantities of lepidochrocite.

1. Their major mass composes the walls of the cells.

2. Insignificant quantities of hydrous ferric oxides are developed on pyrite and also around quartz grains in the shape of films forming loop-like microstructures.

Native silver (2 signs) is observed among limonite masses in the shape of dotted separations, measuring 0.005 - 0.005 mm.

Pyrite is observed as grains of irregular shape measuring 0.01 mm. These are relics of pyrite entirely replaced by goethite and lepidochrocite.

Microstructure: Relict.

Chalcopyrite is observed as separate small grains included in quartz (0.005 - 0.02 mm). The grains are of oval isometric shape.

Microstructure: Poikilitic.

25. POLISHED SECTION 6KS271

Texture: U-shaped, carcass

Composition: Hydrous manganic oxides and hydrous ferric oxides 60%, chalcopyrite 2%, gold 5 signs, native silver 1 sign, pyrite - traces, covellite - traces.

Ore mineralization is widely spread and is mainly represented by cryptocrystalline aggregates of dark-brown, black and rusty-brown color, composed of a mixture of hydrous ferric and manganic oxides, which were formed as a result of oxidation of manganosiderite with the formation of U-shaped, carcass texture. The texture is characterized by the availability of cells of rectangular and triangular shape, having diameter from fractions of a millimeter to whole millimeters. The thickness of walls of the cell makes up 0.1 - 0.2 mm and they are composed of a dense mixture of hydrous ferric and manganic oxides. Some of the cells are empty and some are filled with earthy masses of hydrous ferric and manganic oxides.

Hydrous manganic oxides are mainly represented by psilomelane and to some extent by pyrolusite.

Hydrous ferric oxides are represented by goethite and in their major mass are formed on manganosiderite.

Insignificant quantities of hydrous ferric oxides are observed on pyrite, chalcopyrite and also fill intergranular space between gangue minerals.

Microstructures: Cryptocrystalline, colloform concentric zonal, net-like, loop-shaped up to complete pseudomorphs.

Gold - 5 signs. It is observed:

Two signs of gold are observed in the shape of isometric oval inclusions in chalcopyrite.

Dimensions: 0.01 x 0.007 mm
0.013 x 0.005 mm.

Three signs are observed among limonite masses in the shape of flakes with uneven boundaries.

Dimensions: 0.004 x 0.001 mm
0.006 x 0.005 mm
0.003 x 0.002 mm.

Color: Bright aureate-yellow.

Microstructures: Poikilitic, interstitial.

Chalcopyrite is observed in the shape of separate grains and accumulations of grains with the dimensions of the latter being 0.5 - 0.6 mm. Chalcopyrite fills interstitial between grains of quartz and carbonate and is also observed in the shape of inclusions in gangue minerals. Chalcopyrite is subjected to a various extent replaced by hydrous ferric oxides (goethite). Some grains of chalcopyrite have a thin (approx. 0.005 mm) rim of tabular covellite.

Microstructures: Poikilitic, interstitial, relict.

Pyrite is observed among limonite masses in the shape of relict grains of irregular shape, ranging from 0.01 to 0.02 mm.

Microstructure: Relict.

Native silver is observed among limonite masses in the shape of dotted separations measuring 0.005 - 0.005 mm.

26. POLISHED SECTION 6KS227

Texture: U-shaped, carcass.

Composition: Hydrous ferric oxides and hydrous manganic oxides 60%, native silver - ten signs, gold - 2 signs, pyrite - separate grains, chalcopyrite - separate grains.

Ore mineralization is widely represented by cryptocrystalline aggregates of hydrous ferric oxides mixed with hydrous manganic oxides. Their color varies from rusty-brown to dark-drown and black, which indicates that some areas are enriched by hydrous ferric oxides and some areas - by hydrous manganic oxides.

Hydrous ferric oxides are represented by goethite and are formed as a result of oxidation of manganosiderite with formation of complete pseudomorphs on the latter.

Microstructure: Cryptocrystalline, zonal-concentric, festoony.

Hydrous manganic oxides are represented by psilomelane and pyrolusite. Psilomelane, together with goethite in the shape of dense cryptocrystalline aggregates, composed the walls of carcasses which have been formed as a result of oxidation of manganosiderites.

Pyrolusite is represented by cryptocrystalline fine-grained masses, which are located in the shape of separate layers, spots and lenses between dense masses of goethite and psilomelane. In some places pyrolusite is of oolite-like tabular composition.

Microstructure: Cryptocrystalline, fine-grained, oolitic, festoony, concentric zonal

Native silver - ten signs - is observed among quartz grains measuring 0.012 x 0.012 mm (1 sign). The most part of silver is observed among hydrous ferric and hydrous manganic oxides and is confined to fractures and cavities. The shape is oval, dimensions - from 0.002 x 0.002 mm to 0.005 x 0.004 mm, color - silvery-white.

Gold - 2 signs- is observed in the shape of small grains (0.005 x 0.006 mm) among limonite masses.

Microstructure: Interstitial

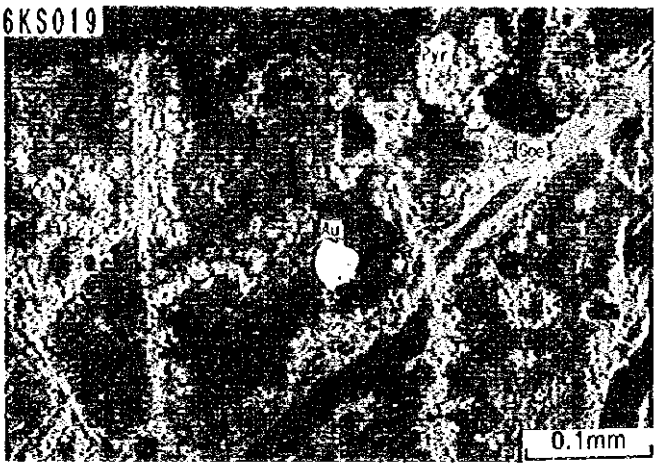
Small quantities (separate grains, 0.005 x 0.02 mm) of pyrite and chalcopyrite are observed in the shape of inclusions in quartz.

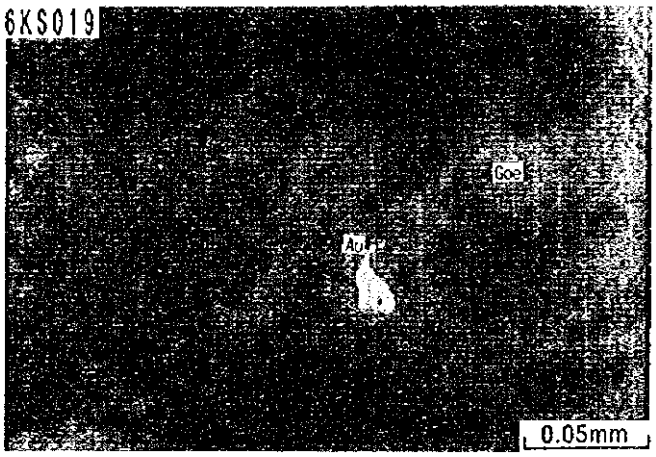
APPENDIX. 2-5

Microscopic Photographs of Polished Section

Abbreviations

Au : Native gold
Cv : Covellite
Cpy : Chalcopyrite
Goe : Goethite
Py : Pyrite
Pyr : Pyrolusite


6KS019
Pyr
Goe
Au
0.1mm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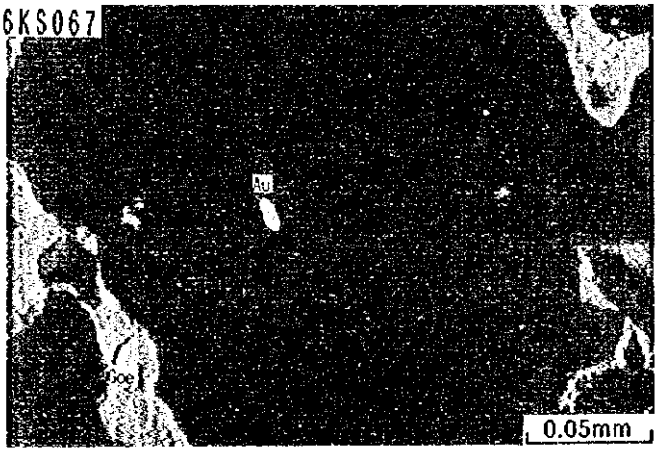
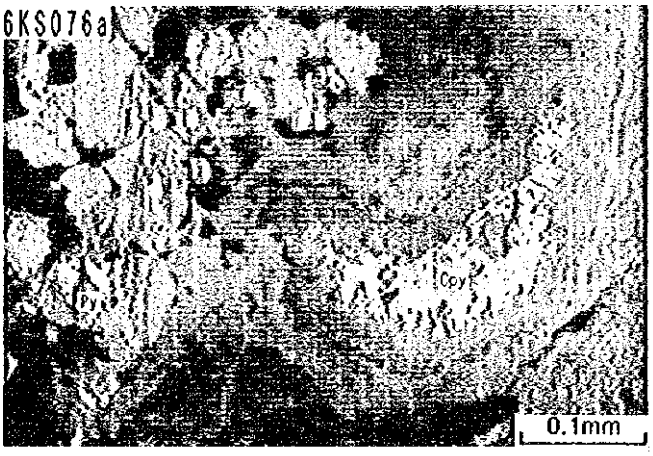
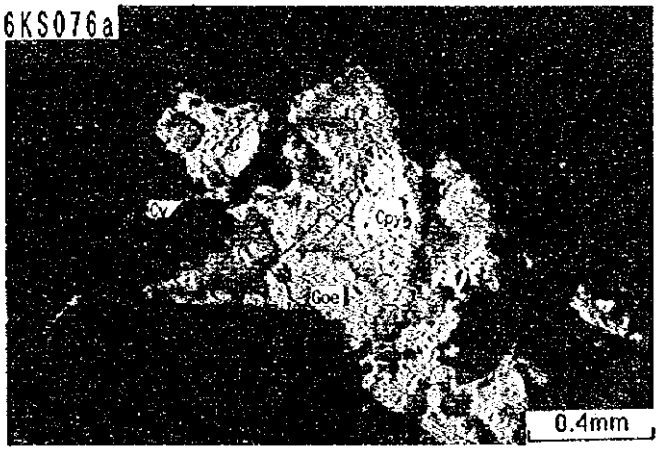
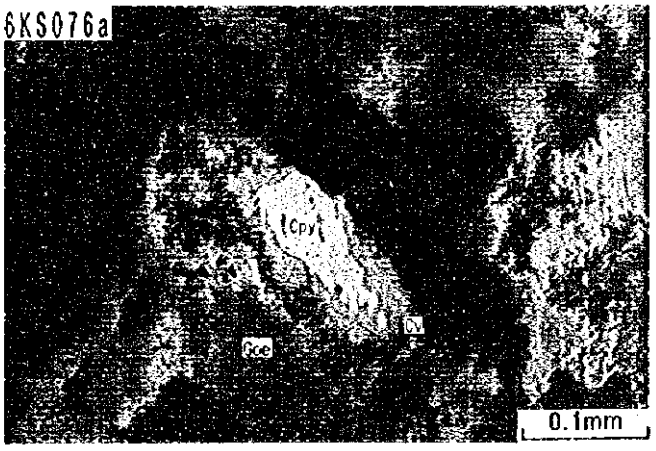
Goe
Au
0.05mm

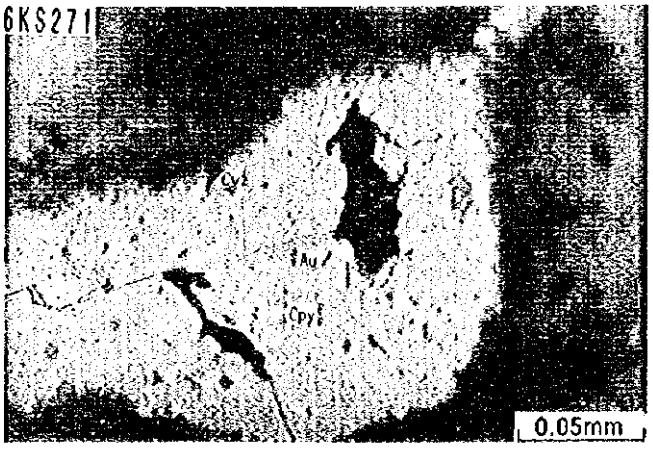

6KS067
Au
Goe
0.05mm


6KS076a
Py
Cpy
0.1mm


6KS076a
Cpy
Goe
0.4mm


6KS076a
Cpy
Goe
0.1mm


6KS227
Pyr
Goe
0.2mm


6KS271
Au
Cpy
0.05mm

Apx. 2-6 Assay Result of Core Samples (1)

No.	Sample No.	Locality			Rock name	Au	Ag	Cu	As
		Drill hole No.	Depth (m)	Length (m)		(g/t)	(g/t)	(%)	(%)
1	6KS001	MJKS-1	49.1～50.1	1.0	Greisenizated granite	0.007	<0.3	0.005	<0.03
2	6KS002	MJKS-1	50.1～51.1	1.0	Greisenizated granite	<0.005	0.5	0.004	<0.03
3	6KS003	MJKS-1	51.1～51.6	0.5	Greisenizated granite	<0.005	<0.3	0.003	<0.03
4	6KS004	MJKS-1	56.9～57.9	1.0	Greisen	<0.005	<0.3	0.003	<0.03
5	6KS005	MJKS-1	57.9～58.9	1.0	Greisen	0.007	<0.3	0.005	<0.03
6	6KS006	MJKS-1	58.9～59.9	1.0	Greisen	0.005	<0.3	0.005	<0.03
7	6KS007	MJKS-1	59.9～60.9	1.0	Greisen	<0.005	0.3	0.003	<0.03
8	6KS008	MJKS-1	60.9～61.8	0.9	Greisen	0.007	<0.3	0.003	<0.03
9	6KS009	MJKS-1	61.8～62.3	0.5	Greisen with Mn-siderite network	0.24	<0.3	0.25	<0.03
10	6KS010	MJKS-1	62.3～62.8	0.5	Quartz Mn-siderite vein	2.08	0.45	0.80	<0.03
11	6KS011	MJKS-1	62.8～63.6	0.8	Greisen	0.009	<0.3	0.004	<0.03
12	6KS012	MJKS-1	83.3～84.3	1.0	Greisen	0.03	0.5	0.005	<0.03
13	6KS013	MJKS-1	84.3～85.3	1.0	Greisen	0.007	<0.3	0.007	<0.03
14	6KS014	MJKS-1	85.3～86.3	1.0	Greisen	0.03	<0.3	0.004	<0.03
15	6KS015	MJKS-1	86.3～87.3	1.0	Greisen	0.07	<0.3	0.004	<0.03
16	6KS016	MJKS-1	87.3～88.3	1.0	Greisen	0.012	<0.3	0.009	<0.03
17	6KS017	MJKS-1	88.3～89.3	1.0	Greisen	0.03	<0.3	0.012	<0.03
18	6KS018	MJKS-1	89.3～90.1	0.8	Greisen	0.012	<0.3	0.004	<0.03
19	6KS019	MJKS-1	90.1～91.15	1.05	Mn-siderite vein	2.60	0.45	1.30	<0.03
20	6KS020	MJKS-1	91.15～92.15	1.0	Granite	0.07	<0.3	0.02	<0.03
21	6KS021	MJKS-1	96.2～96.4	0.2	Quartz Mn-siderite vein	2.66	0.4	0.56	<0.03
22	6KS022	MJKS-3	22.8～23.8	1.0	Greisenizated granite porphyry	0.007	<0.3	0.003	<0.03
23	6KS023	MJKS-3	23.8～24.8	1.0	Greisenizated granite porphyry	<0.005	<0.3	0.003	<0.03
24	6KS024	MJKS-3	24.8～25.8	1.0	Greisenizated granite porphyry	0.005	<0.3	0.003	<0.03
25	6KS025	MJKS-3	25.8～26.8	1.0	Greisenizated granite porphyry	<0.005	<0.3	0.003	<0.03

Apx. 2-6 Assay Result of Core Samples (2)

No.	Sample No.	Locality			Rock name	Au	Ag	Cu	As
		Drill hole No.	Depth (m)	Length (m)		(g/t)	(g/t)	(%)	(%)
26	6KS026	MJKS-3	26.8～27.8	1.0	Greisenizated granite porphyry	<0.005	<0.3	0.004	<0.03
27	6KS027	MJKS-3	27.8～28.45	0.7	Greisenizated granite porphyry	<0.005	<0.3	0.004	<0.03
28	6KS028	MJKS-3	31.7～32.7	1.0	Greisen	<0.005	<0.3	0.003	<0.03
29	6KS029	MJKS-3	32.7～33.7	1.0	Greisen	<0.005	<0.3	0.003	<0.03
30	6KS030	MJKS-3	33.7～34.7	1.0	Greisen	<0.005	<0.3	0.003	<0.03
31	6KS031	MJKS-3	34.7～35.7	1.0	Greisen	0.012	0.9	0.005	<0.03
32	6KS032	MJKS-3	35.7～36.7	1.0	Greisen	<0.005	0.3	0.004	<0.03
33	6KS033	MJKS-3	36.7～37.7	1.0	Greisen	0.005	<0.3	0.004	<0.03
34	6KS034	MJKS-3	37.7～39.1	1.4	Greisen	0.007	<0.3	0.003	<0.03
35	6KS035	MJKS-3	39.1～39.7	0.6	Greisenizated granite porphyry	0.009	<0.3	0.003	<0.03
36	6KS036	MJKS-3	71.1～72.1	1.0	Quartz Mn-siderite vein	9.0	0.62	0.76	<0.03
37	6KS037	MJKS-3	72.1～73.1	1.0	Greisen	0.009	<0.3	0.005	<0.03
38	6KS038	MJKS-3	73.1～74.1	1.0	Greisen	0.007	<0.3	0.005	<0.03
39	6KS039	MJKS-3	74.1～75.1	1.0	Greisen	0.005	<0.3	0.004	<0.03
40	6KS040	MJKS-3	75.1～76.1	1.0	Greisen	0.012	<0.3	0.004	<0.03
41	6KS041	MJKS-3	76.1～77.1	1.0	Greisen	<0.005	<0.3	0.005	<0.03
42	6KS042	MJKS-3	77.1～78.1	1.0	Greisen	0.012	<0.3	0.005	<0.03
43	6KS043	MJKS-3	78.1～78.95	0.85	Greisen	0.07	0.4	0.012	<0.03
44	6KS045	MJKS-1	126.8～127.6	0.8	Gray clay	<0.005	<0.3	0.03	<0.03
45	6KS049	MJKS-3	166.5～167.65	1.15	Gray clay	0.005	<0.3	0.02	<0.03
46	6KS051	MJKS-3	242.5～242.6	0.1	Pyrite, chlorite concentrated part	0.12	<0.3	0.15	0.09
47	6KS052	MJKS-2	50.4～51.4	1.0	Greisenizated granite	0.12	<0.3	0.007	<0.03
48	6KS053	MJKS-2	51.4～52.4	1.0	Greisenizated granite	0.10	<0.3	0.004	<0.03
49	6KS054	MJKS-2	52.4～53.4	1.0	Greisenizated granite	0.30	<0.3	0.003	<0.03
50	6KS055	MJKS-2	53.4～54.4	1.0	Greisenizated granite	1.44	<0.3	0.003	<0.03

Apx. 2-6 Assay Result of Core Samples (3)

No.	Sample No.	Locality			Rock name	Au	Ag	Cu	As
		Drill hole No.	Depth (m)	Length (m)		(g/t)	(g/t)	(%)	(%)
51	6KS056	MJKS-2	54.4～55.4	1.0	Greisenizatied granite	0.12	<0.3	0.003	<0.03
52	6KS057	MJKS-2	55.4～56.4	1.0	Greisenizatied granite	0.30	<0.3	0.007	<0.03
53	6KS058	MJKS-2	56.4～57.4	1.0	Greisenizatied granite	0.03	<0.3	0.007	<0.03
54	6KS059	MJKS-2	57.4～58.4	1.0	Greisenizatied granite	0.12	<0.3	0.004	<0.03
55	6KS060	MJKS-2	58.4～59.9	1.5	Greisenizatied granite	0.12	<0.3	0.003	<0.03
56	6KS061	MJKS-2	59.9～60.9	1.0	Greisen	0.15	<0.3	0.004	<0.03
57	6KS062	MJKS-2	60.9～61.9	1.0	Greisen	0.90	<0.3	0.012	<0.03
58	6KS063	MJKS-2	61.9～62.9	1.0	Greisen	0.70	<0.3	0.015	<0.03
59	6KS064	MJKS-2	62.9～63.9	1.0	Greisen	6.20	0.4	0.20	<0.03
60	6KS065	MJKS-2	63.9～64.9	1.0	Greisen	2.00	0.3	0.02	<0.03
61	6KS066	MJKS-2	64.9～65.8	0.9	Greisen	3.90	0.3	0.20	<0.03
62	6KS067	MJKS-2	65.8～66.8	1.0	Quartz Mn-siderite vein	10.10	0.4	2.55	<0.03
63	6KS068	MJKS-2	66.8～67.8	1.0	Quartz Mn-siderite vein	9.90	0.4	3.48	<0.03
64	6KS069	MJKS-2	67.8～68.1	0.3	Quartz Mn-siderite vein	20.00	0.4	2.75	<0.03
65	6KS070	MJKS-2	68.1～69.1	1.0	Greisen	1.64	<0.3	0.30	<0.03
66	6KS071	MJKS-2	69.1～70.45	1.35	Greisen	0.32	<0.3	0.05	<0.03
67	6KS072	MJKS-2	70.45～71.1	0.65	Quartz Mn-siderite vein	2.30	0.3	1.12	<0.03
68	6KS073	MJKS-2	71.1～72.1	1.0	Quartz Mn-siderite vein	4.30	0.3	0.09	<0.03
69	6KS074	MJKS-2	72.1～73.1	1.0	Quartz Mn-siderite vein	3.20	0.3	0.95	<0.03
70	6KS075	MJKS-2	73.1～74.1	1.0	Quartz Mn-siderite vein	2.80	0.3	0.86	<0.03
71	6KS076	MJKS-2	74.1～74.95	0.85	Quartz Mn-siderite vein	3.40	0.3	0.50	<0.03
72	6KS077	MJKS-2	74.95～75.1	0.15	Greisen	0.40	<0.3	0.009	<0.03
73	6KS078	MJKS-2	75.1～75.35	0.25	Clay with Mn-siderite veinlet	1.14	0.3	0.04	<0.03
74	6KS079	MJKS-2	75.35～76.35	1.0	Altered granite	0.09	<0.3	0.004	<0.03
75	6KS080	MJKS-4	30.45～31.12	0.67	Altered granite, Mn-siderite imp.	1.14	<0.3	0.003	<0.03

Apx. 2-6 Assay Result of Core Samples (4)

No.	Sample No.	Locality			Rock name	Au	Ag	Cu	As
		Drill hole No.	Depth (m)	Length (m)		(g/t)	(g/t)	(%)	(%)
76	6KS081	MJKS-4	31.12～31.16	0.04	Quartz Mn-siderite vein	2.10	0.3	0.07	<0.03
77	6KS082	MJKS-4	31.16～31.9	0.74	Altered granite, Mn-siderite imp.	6.00	<0.3	0.003	<0.03
78	6KS083	MJKS-4	36.5～37.5	1.0	Greisen	0.07	<0.3	0.003	<0.03
79	6KS084	MJKS-4	37.5～38.5	1.0	Greisen	0.05	<0.3	0.003	<0.03
80	6KS085	MJKS-4	38.5～39.5	1.0	Greisen	0.09	<0.3	0.003	<0.03
81	6KS086	MJKS-4	39.5～40.5	1.0	Greisen	0.05	<0.3	0.003	<0.03
82	6KS087	MJKS-4	40.5～41.5	1.0	Greisen	0.05	<0.3	0.003	<0.03
83	6KS088	MJKS-4	41.5～42.5	1.0	Greisen	0.12	<0.3	0.003	<0.03
84	6KS089	MJKS-4	42.5～43.5	1.0	Greisen	0.03	<0.3	0.003	<0.03
85	6KS090	MJKS-4	43.5～44.5	1.0	Greisen	0.05	<0.3	0.003	<0.03
86	6KS091	MJKS-4	44.5～45.5	1.0	Greisen	0.20	<0.3	0.003	<0.03
87	6KS092	MJKS-4	45.5～46.5	1.0	Greisen	0.04	<0.3	0.003	<0.03
88	6KS093	MJKS-4	46.5～47.5	1.0	Greisen	0.42	<0.3	0.003	<0.03
89	6KS094	MJKS-4	47.5～48.0	0.5	Greisen	0.12	0.3	0.004	<0.03
90	6KS095	MJKS-4	96.2～96.75	0.55	Aplite	0.90	0.5	0.003	<0.03
91	6KS096	MJKS-4	96.75～97.75	1.0	Greisen	0.04	<0.3	0.003	<0.03
92	6KS097	MJKS-4	97.75～98.75	1.0	Greisen	0.30	<0.3	0.004	<0.03
93	6KS098	MJKS-4	98.75～99.75	1.0	Greisen	0.03	<0.3	0.003	<0.03
94	6KS099	MJKS-4	99.75～100.75	1.0	Greisen	0.05	<0.3	0.003	<0.03
95	6KS100	MJKS-4	100.75～101.75	1.0	Greisen	0.62	<0.3	0.003	<0.03
96	6KS101	MJKS-4	101.75～102.75	1.0	Greisen	0.12	0.3	0.003	<0.03
97	6KS102	MJKS-4	102.75～103.75	1.0	Greisen	0.20	<0.3	0.003	<0.03
98	6KS103	MJKS-4	103.75～105.0	1.25	Greisen	0.20	<0.3	0.004	<0.03
99	6KS104	MJKS-4	105.0～105.15	0.15	Quartz Mn-siderite vein	5.90	<0.3	0.03	<0.03
100	6KS105	MJKS-4	105.15～105.3	0.15	Greisen	3.00	<0.3	0.04	<0.03

Apx. 2-6 Assay Result of Core Samples (5)

No.	Sample No.	Locality			Rock name	Au	Ag	Cu	As
		Drill hole No.	Depth (m)	Length (m)		(g/t)	(g/t)	(%)	(%)
101	6KS106	MJKS-4	105.3～106.3	1.0	Quartz Mn-siderite vein	2.00	<0.3	0.3	<0.03
102	6KS107	MJKS-4	106.3～106.8	0.5	Greisen with Mn-siderite vein	2.40	<0.3	0.02	<0.03
103	6KS108	MJKS-4	106.8～107.8	1.0	Greisen	0.15	<0.3	0.007	<0.03
104	6KS109	MJKS-4	107.8～108.8	1.0	Greisen	0.24	<0.3	0.005	<0.03
105	6KS110	MJKS-4	108.8～109.8	1.0	Greisen	0.44	<0.3	0.005	<0.03
106	6KS111	MJKS-4	109.8～110.5	0.7	Greisen	0.22	0.3	0.004	<0.03
107	6KS112	MJKS-4	110.5～111.5	1.0	Greisenizated granite	0.04	<0.3	0.005	<0.03
108	6KS113	MJKS-4	111.5～111.8	0.3	Mn-siderite vein	0.68	0.3	0.015	<0.03
109	6KS114	MJKS-4	111.8～112.8	1.0	Greisenizated granite	0.07	<0.3	0.004	<0.03
110	6KS115	MJKS-4	112.8～113.8	1.0	Greisenizated granite	0.09	<0.3	0.003	<0.03
111	6KS116	MJKS-4	113.8～114.8	1.0	Greisenizated granite	0.20	<0.3	0.003	<0.03
112	6KS117	MJKS-4	114.8～115.9	1.1	Greisenizated granite	1.74	<0.3	0.003	<0.03
113	6KS122	MJKS-2	176.1	0.03	Carbonate quartz vein	0.03	1.2	0.003	<0.03
114	6KS126	MJKS-5	23.2～24.3	1.1	Greisenizated granite	0.03	<0.3	<0.05	<0.03
115	6KS127	MJKS-5	24.45～25.1	0.65	Greisenizated granite	0.04	<0.3	<0.05	<0.03
116	6KS128	MJKS-5	113.8～114.9	1.1	Silicified altered granite	0.04	<0.3	<0.05	<0.03
117	6KS129	MJKS-5	122.1～122.9	0.8	Silicified altered granite	0.04	<0.3	<0.05	<0.03
118	6KS130	MJKS-5	122.9～122.98	0.08	Quartz Mn-siderite vein	3.0	<0.3	0.72	<0.03
119	6KS131	MJKS-5	122.98～123.3	0.32	Atered granite with quartz vein	1.0	<0.3	<0.05	<0.03
120	6KS132	MJKS-5	141.5～142.5	1.0	Altered granite	0.1	<0.3	<0.05	<0.03
121	6KS133	MJKS-5	142.5～143.5	1.0	Mn-siderite vein	2.6	0.40	1.18	<0.03
122	6KS134	MJKS-5	143.5～144.5	1.0	Mn-siderite vein	1.6	<0.3	0.70	<0.03
123	6KS135	MJKS-5	144.5～145.1	0.6	Mn-siderite vein	4.2	0.49	1.41	<0.03
124	6KS136	MJKS-5	145.1～146.1	1.0	Altered granite	0.12	<0.3	<0.05	<0.03
125	6KS137	MJKS-6	130.6～131.6	1.0	Altered granite	0.09	<0.3	<0.05	<0.03

Apx. 2-6 Assay Result of Core Samples (6)

No.	Sample No.	Locality			Rock name	Au	Ag	Cu	As
		Drill hole No.	Depth (m)	Length (m)		(g/t)	(g/t)	(%)	(%)
126	6KS138	MJKS-6	131.6～132.6	1.0	Altered granite	0.09	<0.3	<0.05	<0.03
127	6KS139	MJKS-6	132.6～133.9	1.3	Altered granite	0.03	<0.3	<0.05	<0.03
128	6KS140	MJKS-6	133.9～134.9	1.0	Quartz Mn-siderite vein	14.6	0.70	1.94	<0.03
129	6KS141	MJKS-6	134.9～135.9	1.0	Quartz Mn-siderite vein	2.4	<0.3	0.84	<0.03
130	6KS142	MJKS-6	135.9～136.9	1.0	Quartz Mn-siderite vein	4.0	<0.3	1.06	<0.03
131	6KS143	MJKS-6	136.9～137.9	1.0	Quartz Mn-siderite vein	3.2	<0.3	0.27	<0.03
132	6KS144	MJKS-6	137.9～138.9	1.0	Quartz Mn-siderite vein	5.2	0.69	1.51	<0.03
133	6KS145	MJKS-6	138.9～139.9	1.0	Quartz Mn-siderite vein	6.6	0.70	2.01	<0.03
134	6KS146	MJKS-6	139.9～140.9	1.0	Mn-siderite vein	5.6	1.30	2.71	<0.03
135	6KS147	MJKS-6	140.9～141.9	1.0	Mn-siderite vein	5.0	0.94	1.36	<0.03
136	6KS148	MJKS-6	141.9～142.9	1.0	Mn-siderite vein	7.6	1.00	1.22	<0.03
137	6KS149	MJKS-6	142.9～143.9	1.0	Mn-siderite vein	9.0	0.92	0.89	<0.03
138	6KS150	MJKS-6	143.9～144.9	1.0	Mn-siderite vein	8.0	0.62	0.78	<0.03
139	6KS151	MJKS-6	144.9～145.2	0.3	Mn-siderite vein	4.4	0.37	0.57	<0.03
140	6KS152	MJKS-6	145.2～146.2	1.0	Altered granite	1.2	<0.3	0.17	<0.03
141	6KS166	MJKS-7	112.5～113.5	1.0	Greisen	0.1	<0.3	0.02	<0.03
142	6KS167	MJKS-7	113.5～114.5	1.0	Greisen	0.1	<0.3	0.015	<0.03
143	6KS168	MJKS-7	114.5～115.5	1.0	Greisen	0.1	<0.3	0.007	<0.03
144	6KS169	MJKS-7	115.5～116.8	1.3	Greisen	0.1	0.4	0.07	<0.03
145	6KS170	MJKS-7	116.8～117.8	1.0	Quartz Mn-siderite vein	12.3	1.8	5.30	<0.03
146	6KS171	MJKS-7	117.8～118.8	1.0	Quartz Mn-siderite vein	7.6	1.4	5.05	<0.03
147	6KS172	MJKS-7	118.8～119.3	0.5	Quartz Mn-siderite vein	2.1	0.37	2.01	<0.03
148	6KS173	MJKS-7	119.3～120.3	1.0	Grei sen with clay	0.3	0.7	1.0	<0.03
149	6KS174	MJKS-7	120.3～121.3	1.0	Grei sen with clay	0.1	3.0	1.0	<0.03
150	6KS175	MJKS-7	121.3～122.3	1.0	Grei sen with clay	0.1	2.0	1.0	<0.03

Apx. 2-6 Assay Result of Core Samples (7)

No.	Sample No.	Locality			Rock name	Au	Ag	Cu	As
		Drill hole No.	Depth (m)	Length (m)		(g/t)	(g/t)	(%)	(%)
151	6KS176	MJKS-7	122.3~123.3	1.0	Greisen with clay	0.1	<0.3	0.015	<0.03
152	6KS177	MJKS-7	123.3~123.38	0.08	Quartz Mn-siderite vein	0.6	<0.3	<0.05	<0.03
153	6KS178	MJKS-7	123.38~124.4	1.02	Greisem	1.0	<0.3	<0.05	<0.03
154	6KS179	MJKS-7	124.4~125.8	1.4	Greisen	0.1	<0.3	0.04	<0.03
155	6KS180	MJKS-9	91.5~92.5	1.0	Greisen	0.5	<0.3	<0.05	<0.03
156	6KS181	MJKS-9	92.5~93.5	1.0	Greisen	<0.1	<0.3	0.012	<0.03
157	6KS182	MJKS-9	93.5~94.5	1.0	Greisen	<0.1	0.9	0.007	<0.03
158	6KS183	MJKS-9	94.5~95.5	1.0	Greisen	0.1	<0.3	0.009	<0.03
159	6KS184	MJKS-9	95.5~96.5	1.0	Greisen	<0.1	<0.3	0.012	<0.03
160	6KS185	MJKS-9	96.5~97.5	1.0	Greisen	0.1	<0.3	0.012	<0.03
161	6KS186	MJKS-9	97.5~98.5	1.0	Greisen	0.2	<0.3	0.007	<0.03
162	6KS187	MJKS-9	98.5~99.5	1.0	Greisen	0.1	<0.3	0.007	<0.03
163	6KS188	MJKS-9	99.5~100.5	1.0	Greisen	0.1	<0.3	0.04	<0.03
164	6KS189	MJKS-9	100.5~101.5	1.0	Greisen	0.1	<0.3	0.009	<0.03
165	6KS190	MJKS-9	101.5~102.5	1.0	Greisen	0.1	<0.3	0.009	<0.03
166	6KS191	MJKS-9	102.5~103.5	1.0	Greisen	0.1	<0.3	0.02	<0.03
167	6KS192	MJKS-9	103.5~104.5	1.0	Greisen	0.3	<0.3	0.015	<0.03
168	6KS193	MJKS-9	104.5~105.85	1.35	Greisen	0.1	<0.3	0.02	<0.03
169	6KS194	MJKS-9	105.85~106.85	1.0	Quartz Mn-siderite vein	2.4	0.40	1.02	<0.03
170	6KS195	MJKS-9	106.85~107.85	1.0	Quartz Mn-siderite vein	4.8	0.58	1.93	<0.03
171	6KS196	MJKS-9	107.85~108.85	1.0	Quartz Mn-siderite vein	3.2	0.37	0.71	<0.03
172	6KS197	MJKS-9	108.85~109.65	0.8	Quartz Mn-siderite vein	1.2	<0.3	<0.05	<0.03
173	6KS198	MJKS-9	109.75~110.75	1.0	Greisen	0.9	<0.3	<0.05	<0.03
174	6KS199	MJKS-9	110.75~111.75	1.0	Greisen	1.0	<0.3	<0.05	<0.03
175	6KS200	MJKS-9	111.75~112.75	1.0	Greisen	0.1	0.4	0.012	<0.03

Apx. 2-6 Assay Result of Core Samples (8)

No.	Sample No.	Locality			Rock name	Au	Ag	Cu	As
		Drill hole No.	Depth (m)	Length (m)		(g/t)	(g/t)	(%)	(%)
176	6KS201	MJKS-9	112.75～113.75	1.0	Greisen	0.1	0.5	0.03	<0.03
177	6KS202	MJKS-9	113.75～115.0	1.25	Greisen	0.1	<0.3	0.009	<0.03
178	6KS206	MJKS-8	36.5～37.5	1.0	Greisen	<0.005	<0.3	0.004	<0.03
179	6KS207	MJKS-8	37.5～38.5	1.0	Greisen	<0.005	<0.3	0.005	<0.03
180	6KS208	MJKS-8	38.5～39.5	1.0	Greisen	<0.005	<0.3	0.005	<0.03
181	6KS209	MJKS-8	39.5～40.5	1.0	Greisen	<0.005	<0.3	0.004	<0.03
182	6KS210	MJKS-8	40.5～41.6	1.1	Greisen	<0.005	<0.3	0.003	<0.03
183	6KS211	MJKS-8	131.8～132.8	1.0	Greisen	<0.005	<0.3	0.002	<0.03
184	6KS212	MJKS-8	132.8～133.8	1.0	Greisen	<0.005	<0.3	0.004	<0.03
185	6KS213	MJKS-8	133.8～134.8	1.0	Greisen	<0.005	<0.3	0.007	<0.03
186	6KS214	MJKS-8	134.8～135.8	1.0	Greisen	<0.005	<0.3	0.005	<0.03
187	6KS215	MJKS-8	135.8～137.0	1.2	Greisen	<0.005	<0.3	0.003	<0.03
188	6KS216	MJKS-8	137.0～137.5	0.5	Silicified greisen	<0.005	<0.3	0.03	<0.03
189	6KS217	MJKS-8	137.8～138.8	1.0	Greisen	<0.005	<0.3	0.03	<0.03
190	6KS218	MJKS-8	138.8～139.8	1.0	Greisen	<0.005	<0.3	0.02	<0.03
191	6KS219	MJKS-8	139.8～140.7	0.9	Greisen	<0.005	<0.3	0.05	<0.03
192	6KS224	MJKS-12	132.25～132.65	0.4	Calcite vein	5.1	3.0	0.003	<0.03
193	6KS225	MJKS-12	135.1～135.3	0.2	Silicified zone in altered granite	9.0	0.4	0.004	<0.03
194	6KS227	MJKS-12	180.0～180.2	0.2	Mn-siderite vein	2.7	0.3	0.3	<0.03
195	6KS228	MJKS-12	184.8～184.9	0.1	Mn-siderite vein	2.1	0.3	0.7	<0.03
196	6KS232	MJKS-10	187.3～187.5	0.2	Calcite vein	0.22	<0.3	0.0015	<0.03
197	6KS233	MJKS-10	194.0～194.05	0.05	Quartz veinlet	0.44	<0.3	0.007	<0.03
198	6KS234	MJKS-11	185.2～186.2	1.0	Altered granite	0.20	0.3	0.005	<0.03
199	6KS235	MJKS-11	186.2～187.2	1.0	Altered granite	0.24	<0.3	0.009	<0.03
200	6KS236	MJKS-11	187.2～188.2	1.0	Altered granite	<0.1	0.7	0.007	<0.03

Apx. 2-6 Assay Result of Core Samples (9)

No.	Sample No.	Locality			Rock name	Au	Ag	Cu	As
		Drill hole No.	Depth (m)	Length (m)		(g/t)	(g/t)	(%)	(%)
201	6KS237	MJKS-11	188.2～189.2	1.0	Altered granite	<0.1	0.7	0.004	<0.03
202	6KS238	MJKS-11	189.2～190.2	1.0	Altered granite	<0.1	<0.3	0.003	<0.03
203	6KS239	MJKS-11	190.2～191.2	1.0	Altered granite	<0.1	<0.3	0.003	<0.03
204	6KS240	MJKS-11	191.2～192.2	1.0	Altered granite	<0.1	<0.3	0.003	<0.03
205	6KS241	MJKS-11	192.2～193.2	1.0	Altered granite	<0.1	<0.3	0.004	<0.03
206	6KS242	MJKS-11	193.2～193.9	0.7	Altered granite	<0.1	<0.3	0.007	<0.03
207	6KS243	MJKS-11	198.15～199.15	1.0	Altered granite	<0.1	0.5	0.005	<0.03
208	6KS244	MJKS-11	199.15～200.0	0.85	Altered granite	<0.1	<0.3	0.003	<0.03
209	6KS245	MJKS-11	203.7～204.0	0.30	Altered granite	<0.1	<0.3	0.005	<0.03
210	6KS246	MJKS-11	204.0～204.15	0.15	Altered granite with Mn-siderite veinlet	<0.1	<0.3	0.007	<0.03
211	6KS247	MJKS-11	204.15～205.2	1.05	Altered granite	<0.1	<0.3	0.003	<0.03
212	6KS248	MJKS-11	205.2～206.2	1.0	Altered granite	<0.1	<0.3	0.004	<0.03
213	6KS249	MJKS-11	208.1～209.1	1.0	Altered granite	<0.1	<0.3	0.004	<0.03
214	6KS250	MJKS-11	209.1～210.15	1.05	Altered granite	<0.1	<0.3	0.004	<0.03
215	6KS251	MJKS-11	210.15～210.6	0.45	Mn-siderite vein	0.50	<0.3	0.20	<0.03
216	6KS252	MJKS-11	210.6～211.6	1.0	Altered granite	<0.1	<0.3	0.20	<0.03
217	6KS253	MJKS-11	211.6～212.6	1.0	Altered granite	<0.1	<0.3	0.005	<0.03
218	6KS254	MJKS-11	212.6～213.6	1.0	Altered granite	<0.1	<0.3	0.04	<0.03
219	6KS255	MJKS-11	213.6～214.6	1.0	Altered granite	<0.1	<0.3	0.04	<0.03
220	6KS256	MJKS-11	214.6～215.6	1.0	Altered ranite	<0.1	<0.3	0.03	<0.03
221	6KS257	MJKS-11	215.6～216.8	1.2	Altered granite	<0.1	<0.3	0.007	<0.03
222	6KS259	MJKS-11	217.5～218.5	1.0	Altered granite	<0.1	<0.3	0.004	<0.03
223	6KS260	MJKS-11	218.5～219.5	1.0	Altered granite	<0.1	<0.3	0.005	<0.03
224	6KS261	MJKS-11	219.5～220.5	1.0	Altered granite	0.90	<0.3	0.003	<0.03
225	6KS262	MJKS-11	220.5～221.5	1.0	Altered granite	<0.1	<0.3	0.003	<0.03

Apx. 2-6 Assay Result of Core Samples (10)

No.	Sample No.	Locality			Rock name	Au	Ag	Cu	As
		Drill hole No.	Depth (m)	Length (m)		(g/t)	(g/t)	(%)	(%)
226	6KS263	MJKS-11	221.5～222.5	1.0	Altered granite	<0.1	<0.3	0.004	<0.03
227	6KS264	MJKS-11	222.5～223.5	1.0	Altered granite	<0.1	<0.3	0.003	<0.03
228	6KS265	MJKS-11	223.5～224.5	1.0	Altered granite	<0.1	<0.3	0.003	<0.03
229	6KS266	MJKS-11	224.5～225.5	1.0	Altered granite	0.86	<0.3	0.003	<0.03
230	6KS267	MJKS-11	225.5～226.25	0.75	Altered granite	<0.1	<0.3	0.004	<0.03
231	6KS268	MJKS-11	226.65～227.65	1.0	Altered granite	<0.1	<0.3	0.004	<0.03
232	6KS269	MJKS-11	227.65～228.5	0.85	Altered granite	<0.1	<0.3	0.003	<0.03
233	6KS270	MJKS-11	228.5～229.5	1.0	Quartz Mn-siderite vein	3.85	0.9	0.44	<0.03
234	6KS271	MJKS-11	229.5～230.55	1.05	Quartz Mn-siderite vein	1.75	0.5	0.42	<0.03
235	6KS272	MJKS-11	230.55～231.55	1.0	Altered granite	1.85	<0.3	0.005	<0.03
236	6KS273	MJKS-11	231.55～232.55	1.0	Altered granite	0.44	<0.3	0.003	<0.03
237	6KS274	MJKS-11	232.55～233.55	1.0	Altered granite	<0.1	<0.3	0.007	<0.03
238	6KS275	MJKS-11	233.55～234.55	1.0	Altered granite	<0.1	<0.3	0.005	<0.03
239	6KS276	MJKS-11	234.55～235.55	1.0	Altered granite	<0.1	<0.3	0.007	<0.03
240	6KS277	MJKS-11	235.55～237.0	1.45	Altered granite	<0.1	<0.3	0.003	<0.03
241	6KS278	MJKS-11	240.9～241.9	1.0	Altered granite	<0.1	<0.3	0.04	<0.03
242	6KS279	MJKS-11	241.9～242.8	0.9	Altered granite	<0.1	<0.3	0.007	<0.03
243	6KS280	MJKS-11	250.9～252.3	1.4	Altered granite	<0.1	<0.3	0.005	<0.03

Apx. 2-7 Result of X-ray Diffraction Analysis (1)

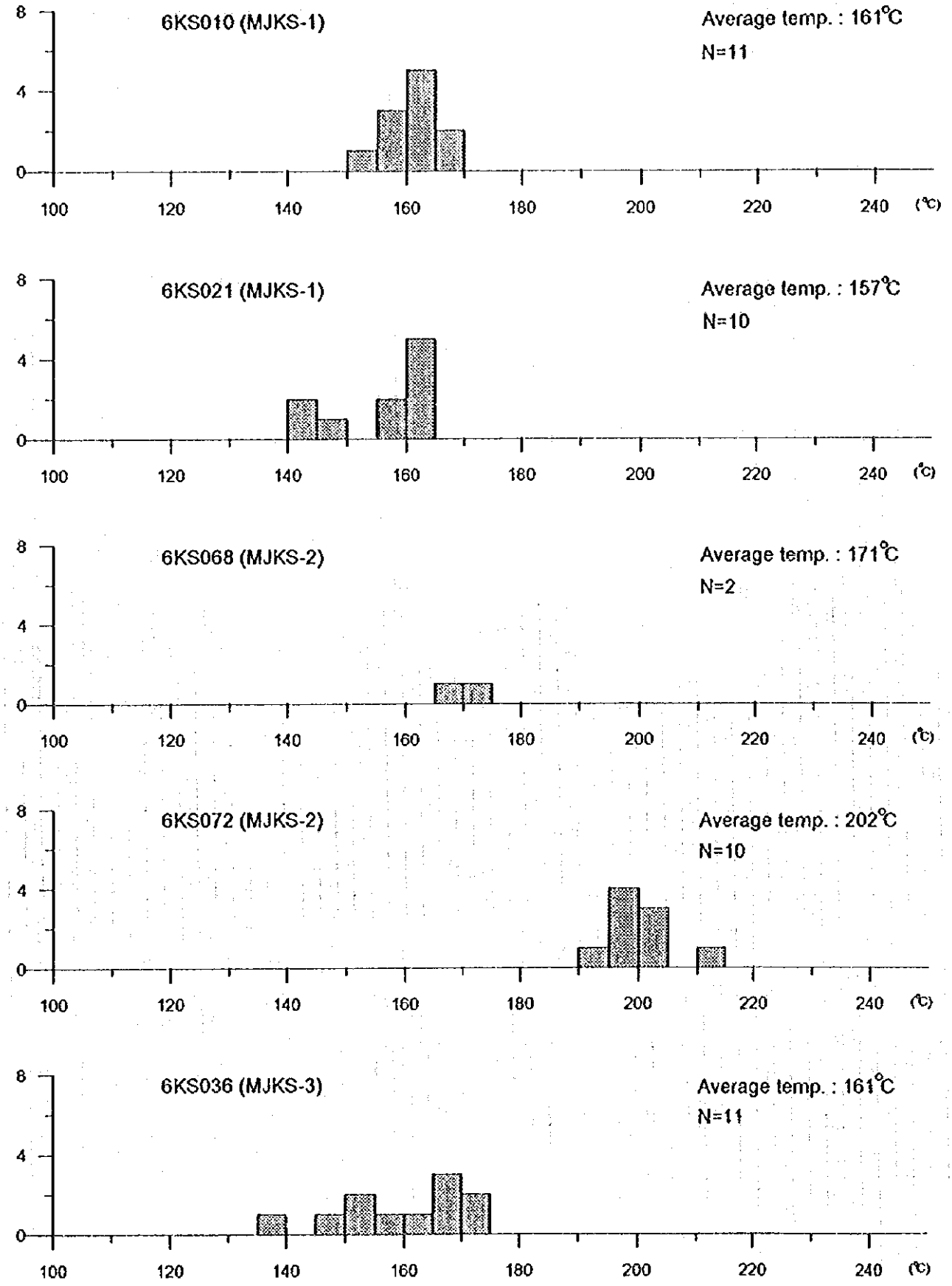
No.	Sample No.	Locality		Rock name	Quartz	Plagioclase	K-feldspar	Sericite	Chlorite	Smectite	Analcite	Calcite	Gypsum	Epidote	Hematite	Goethite	Fluorite
		Drillhole No.	Depth(m)														
1	6KS163	MJKS-1	35.8	Cream yellow clay	◎		◎	◎				○					
2	6KS020	MJKS-1	91.17	Clay vein	◎			◎	・			○					
3	6KS045	MJKS-1	126.9	Gray clay	◎	◎	◎	△	・								
4	6KS078	MJKS-2	75.2	Clay with Mn-siderite veinlet	◎	△	・	△			・?	○			○	△	
5	6KS160	MJKS-3	60.4	Greenish cream clay	◎	◎	◎	◎	・			○					
6	6KS044	MJKS-3	70.9	White clay	◎			◎	・								
7	6KS049	MJKS-3	167.0	Gray clay	◎	◎	◎	○			・?	・	・	・?			
8	6KS119	MJKS-4	48.1	Clay	◎	△	○	○				◎					
9	6KS120	MJKS-4	55.4	Clay	◎	・	・	○		・?		◎	・				
10	6KS161	MJKS-4	75.4	Gray clay	◎	◎	◎	◎	・			○					
11	6KS162	MJKS-4	83.0	Gray clay	◎	◎	◎	△				△	・				
12	6KS157	MJKS-5	24.4	Grayish brown clay	◎	○	△	◎				○					
13	6KS158	MJKS-5	77.5	White clay	◎	◎	◎	○	・			◎					
14	6KS164	MJKS-5	100.3	Brown gray clay	◎	◎	◎	○				○					
15	6KS165	MJKS-5	109.45	White clay	◎		・?	◎				○					

◎ : Abundant (>50%) ○ : Common (50-20%) △ : Poor (20-5%) ・ : Rare (<5%)

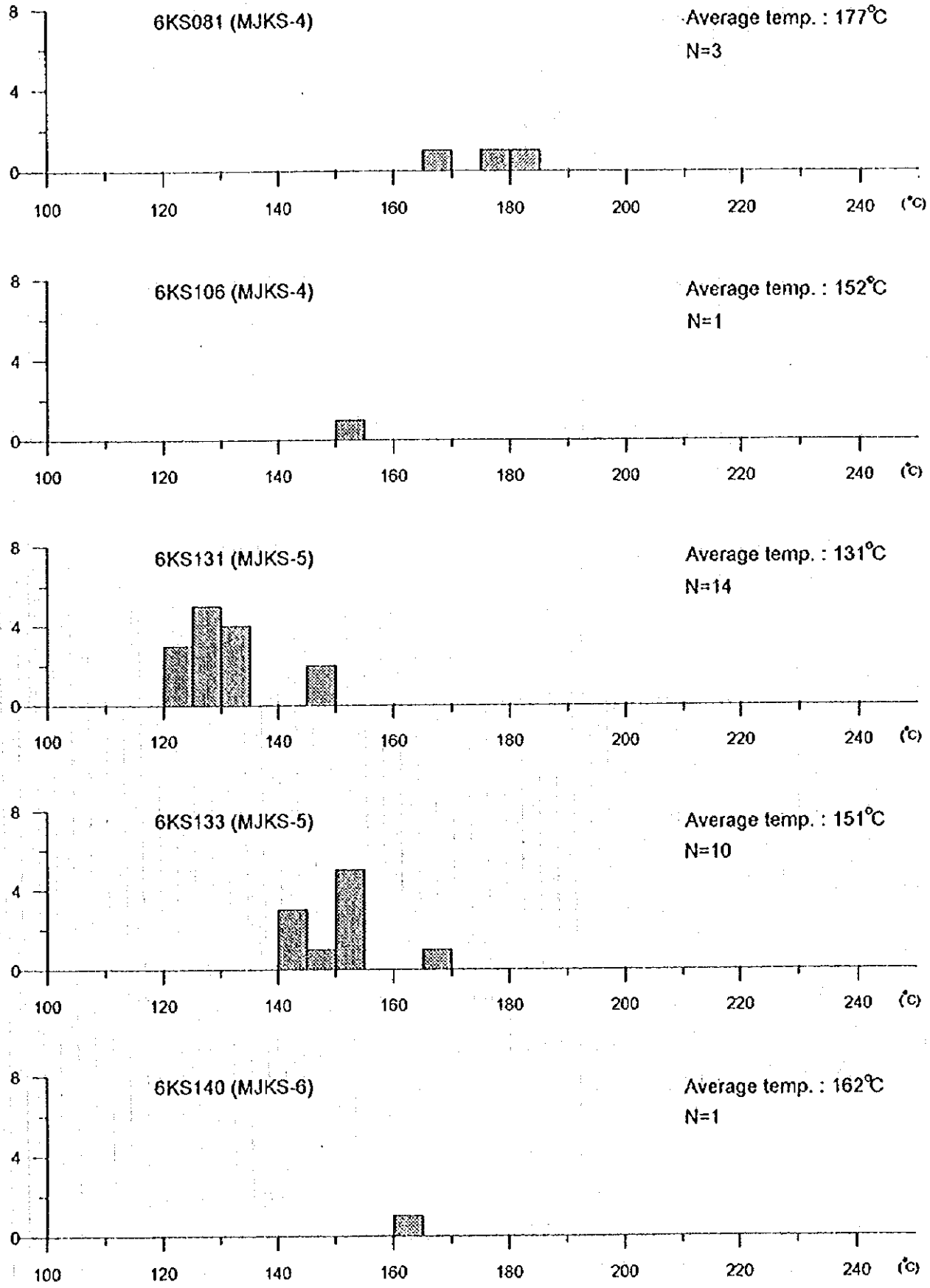
Apx. 2-7 Result of X-ray Diffraction Analysis (2)

No.	Sample No.	Locality		Rock name	Quartz	Plagioclase	K-feldspar	Sericite	Chlorite	Kaolinite	Smectite	Analcite	Calcite	Gypsum	Epidote	Hematite	Goethite	Fluorite
		Drillhole No.	Depth(m)															
16	6KS159	MJKS-6	4.0	Olive gray clay	◎	◎	◎	△	・			・?	○					
17	6KS155	MJKS-6	96.9	Brownish gray clay	◎	◎	◎	△	・				○					
18	6KS154	MJKS-6	158.4	Brown clay	◎	◎	◎	○	・				○					
19	6KS173	MJKS-7	119.5	Brown clay	◎		・?	◎	・				◎				△	
20	6KS221	MJKS-8	36.4	Cream clay	◎			◎					△					
21	6KS220	MJKS-8	137.7	Cream clay	◎		△	◎					・					
22	6KS203	MJKS-9	109.7	Cream clay	◎			◎					△					△
23	6KS230	MJKS-10	144.8	Gray clay	◎	◎	◎	○	・				△					△
24	6KS231	MJKS-10	175.6	Cream clay	◎		△	○	・?				◎					
25	6KS229	MJKS-11	58.5	Brown clay	◎	○	◎	○		・?			△					
26	6KS258	MJKS-11	217.3	Brown clay	◎		・	◎					◎					
27	6KS222	MJKS-12	66.2	Cream clay	◎		・	◎					○					
28	6KS223	MJKS-12	128.93	Reddish brown clay	◎		○	○					○					
29	6KS226	MJKS-12	170.9	Gray clay	◎			◎					○					

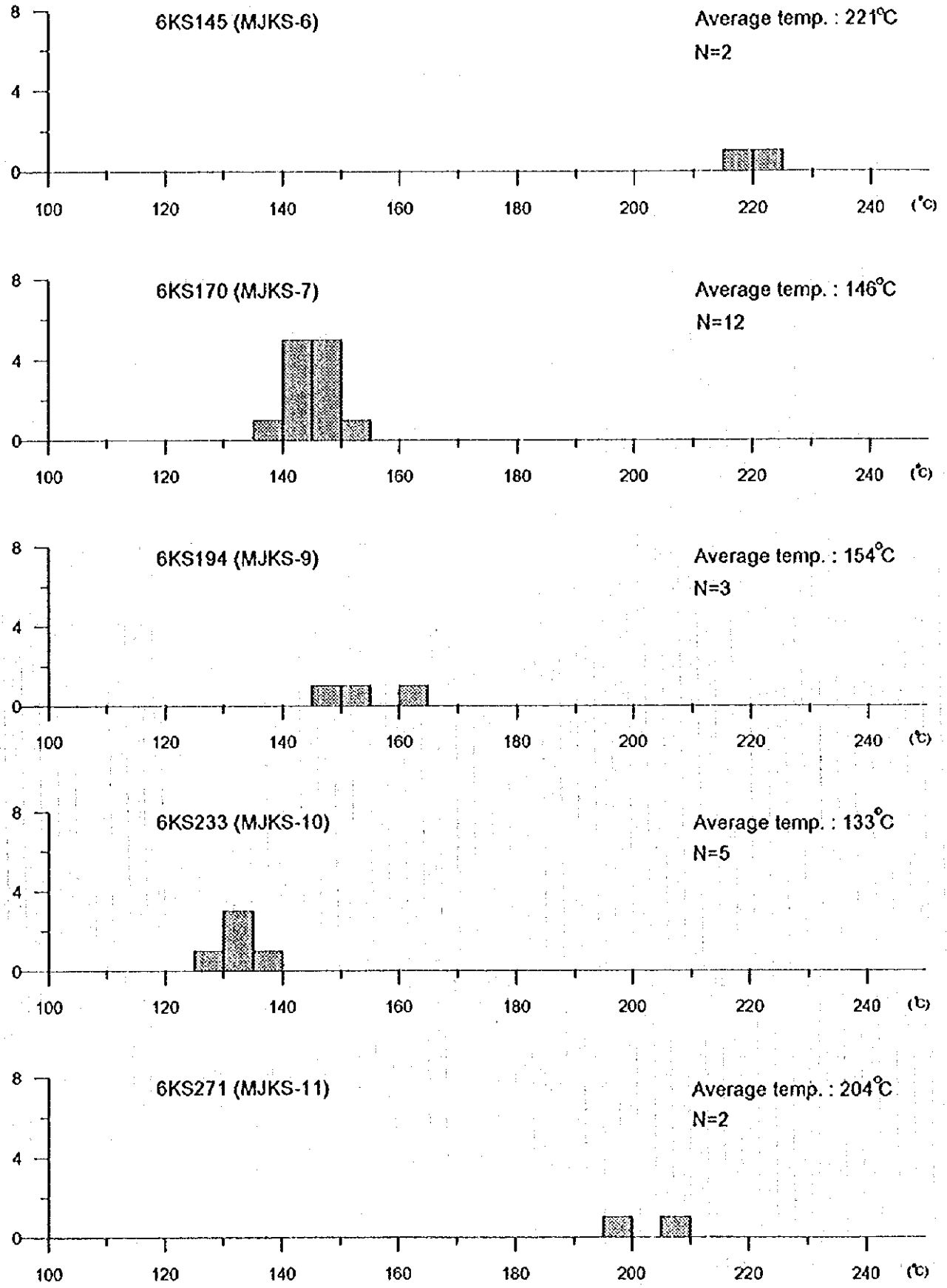
◎ : Abundant (>50%) ○ : Common (50–20%) △ : Poor (20–5%) ・ : Rare (<5%)



Apx. 2-8 Homogenization Temperature of Fluid Inclusion (1)



Apx. 2-8 Homogenization Temperature of Fluid Inclusion (2)



Apx. 2-8 Homogenization Temperature of Fluid Inclusion (3)

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

Item	Model	Quantity	Capacity, type and specification
Drilling machine	SKB-4	2	Capacity φ76mm : 500m, φ59mm : 800m Inner diameter of spindle : φ54mm
	SKB-5	1	Capacity φ76mm : 800m, φ59mm : 1,000m Inner diameter of spindle : φ63mm
Engine for drill	4AM180S43	3	Electricity
Pump	ANB-22	3	Piston φ90mm, Capacity 84 liter/min Pressure 3.8 kg/min
Engine for pump	ASDA-100	1	Electricity 1,500rpm
	ASDA-200	2	
Generator	GSF-100	1	125KVA, 100KWh, 400V, 181A
	GSF-200	1	250KVA, 200KWh, 400V, 361A
Mud mixer	GM-0.75	3	7.5KWh, 1,490rpm
Derrick	UKB-4R	1	Maximum load : 5 ton
	UKB-4	1	Maximum load : 5 ton
	MRUG-18/20	1	Maximum load : 10 ton
Rod holder	φ127mm	3	
	φ108mm	10	
	φ89mm	17	
	φ73mm	27	
	φ59mm	10	
Drill rods	BSφ50mm	120	4.8m/pc
	BSφ50mm	110	3.0m/pc
Casing pipes	φ127mm	13	1m/pc
	φ108mm	13	3m/pc
	φ89mm	14	5m/pc
	φ73mm	11	8m/pc
Core tube assembly	φ108mm	5	
	φ89mm	13	
Ejector	φ73mm	10	4m/pc

Apx. 3-2 Miscellaneous Results for Individual Drillhole

(MJKS-1)

	Survey period			Breakdown of period		Total persons
	Period		Total days	Working days	No-working days	
	from	to				
Preparation	14 June '96		1	1	0	7
Drilling	15 June '96	7 August '96	53.5	43.5	10	740
Dismount		7 August '96	0.5	0.5	0	10
Total	14 June '96	7 August '96	55	45	10	757

Drilling length			
Programmed length	250m	Overburden	3.0m
Prolongation	0m	Core length	215.7m
Effective length	250.0m	Core recovery	86.3%

Working hours			Core recover by each 50 meters		
Drilling	430h	33.6%	Length (m)	Each (%)	Cumula. (%)
Non-drilling	540h	42.2%	0 - 50	85.5	85.5
Regain of accident	289h	22.5%	50 - 100	89.5	87.6
Preparation/setting up	10h	0.8%	100 - 150	87.9	87.7
Dismount/mobilization	12h	0.9%	150 - 200	86.7	87.5
Others			200 - 250	81.4	86.3
			Efficiency		
			Effective length/Working drilling days		
			5.7m/d		
			Effective length/Total drilling days		
Total	1281h	100%	4.7m/d		

Drilling length by diameter						
Bit diameter	112mm	93mm	76mm	59mm		Total
Drilling length	0.7m	2.5m	134.2m	112.6m		250.0m
Core length	0.7m	2.5m	117.6m	94.9m		215.7m

Inserted casing pipes			
Inserted length by diameter		Inserted length / Drilled length	Casing recovery
108mm	3.2m	1.3 %	100 %
89mm	26.0m	10.4 %	80 %

Apx. 3-2 Miscellaneous Results for Individual Drillhole

(MJKS-2)

	Survey period			Breakdown of period		Total persons
	Period		Total days	Working days	No-working days	
	from	to				
Preparation	8 August '96		1	1	0	8
Drilling	9 August '96	6 Sept. '96	29	23.5	5.5	353
Dismount		7 Sept. '96	1	1	0	10
Total	8 August '96	7 Sept. '96	31	25.5	5.5	371

Drilling length			
Programmed length	250m	Overburden	6.1m
Prolongation	0m	Core length	209.4m
Effective length	250.0m	Core recovery	83.8%

Working hours			Core recover by each 50 meters		
Drilling	379h	52.6%	Length (m)	Each (%)	Cumula. (%)
Non-drilling	248h	34.4%	0 - 50	81.7	81.7
Regain of accident	63h	8.8%	50 - 100	86.1	84.0
Preparation/setting up	18h	2.5%	100 - 150	84.7	84.2
Dismount/mobilization	12h	1.7%	150 - 200	86.0	84.7
Others			200 - 250	79.9	83.8
			Efficiency		
			Effective length/Working drilling days		
			10.6m/d		
			Effective length/Total drilling days		
Total	720h	100%	8.6m/d		

Drilling length by diameter						
Bit diameter	132mm	112mm	93mm	76mm	59mm	Total
Drilling length	2.6m	5.4m	0.5m	241.0m	0.5m	250.0m
Core length	2.3m	4.4m	0.3m	202.0m	0.4m	209.4m

Inserted casing pipes			
Inserted length by diameter		Inserted length / Drilling length	Casing recovery
127mm	2.6m	1.0 %	67 %
108mm	8.0m	3.2 %	67 %

Apx. 3-2 Miscellaneous Results for Individual Drillhole

(MJKS-3)

	Survey period			Breakdown of period		Total persons
	Period		Total days	Working days	No-working days	
	from	to				
Preparation	14 June '96		1	1	0	8
Drilling	15 June '96	27 July '96	43	37	6	580
Dismount		28 July '96	0.5	0.5	0	11
Total	14 June '96	28 July '96	44.5	38.5	6	599

Drilling length			
Programmed length	250m	Overburden	10.1m
Prolongation	0m	Core length	208.45m
Effective length	250.0m	Core recovery	83.4%

Working hours			Core recover by each 50 meters		
Drilling	483h	45.9%	Length (m)	Each (%)	Cumula. (%)
Non-drilling	316h	30.0%	0 - 50	86.5	86.5
Regain of accident	212h	20.2%	50 -- 100	83.2	84.8
Preparation/setting up	20h	1.9%	100 - 150	80.0	84.7
Dismount/mobilization	12	1.1%	150 - 200	81.2	83.9
Others	9h	0.9%	200 - 250	80.7	83.4
			Efficiency		
			Effective length/Working drilling days		
			6.8m/d		
			Effective length/Total drilling days		
Total	1052h	100%	5.8m/d		

Drilling length by diameter						
Bit diameter	112mm	93mm	76mm	59mm		Total
Drilling length	8.8m	0m	240.7m	0.5m		250.0m
Core length	7.65m	0m	200.45m	0.35m		208.45m

Inserted casing pipes			
Inserted length by diameter		Inserted length / Drilling length	Casing recovery
108mm	8.8m	3.5 %	100 %

Apx. 3-2 Miscellaneous Results for Individual Drillhole

(MJKS-4)

	Survey period			Breakdown of period		Total persons
	Period		Total days	Working days	No-working days	
	from	to				
Preparation	28 July '96		0.5	0.5	0	8
Drilling	29 July '96	5 Sept. '96	38.5	35.5	3	444
Dismount		6 Sept. '96	1	1	0	14
Total	28 July '96	6 Sept. '96	40	37	3	466

Drilling length			
Programmed length	250m	Overburden	13.6m
Prolongation	0.2m	Core length	204.9m
Effective length	250.2	Core recovery	81.9%

Working hours			Core recover by each 50 meters		
Drilling	437h	46.1%	Length (m)	Each (%)	Cumula. (%)
Non-drilling	430h	45.4%	0 - 50	84.4	84.4
Regain of accident	47h	5.0%	50 - 100	81.6	83.0
Preparation/setting up	10h	1.0%	100 - 150	81.8	82.7
Dismount/mobilization	24h	2.5%	150 - 200	81.3	82.3
Others			200 - 250	80.4	81.9
			Efficiency		
			Effective length/Working drilling days		
			7.0m/d		
			Effective length/Total drilling days		
Total	948h	100%	6.5m/d		

Drilling length by diameter						
Bit diameter	112mm	93mm	76mm			Total
Drilling length	14.4m	1.0m	234.8m			250.2m
Core length	11.6m	0.8m	192.5m			204.9m

Inserted casing pipes			
Inserted length by diameter		Inserted length / Drilling length	Casing recovery
108mm	14.9m	6.0 %	80 %

Apx. 3-2 Miscellaneous Results for Individual Drillhole

(MJKS-5)

	Survey period			Breakdown of period		Total persons
	Period		Total days	Working days	No-working days	
	from	to				
Preparation	7 Sept. '96		1	1	0	5
Drilling	8 Sept. '96	24 Sept. '96	17	17	0	215
Dismount		26 Sept. '96	1.5	0.5	1	6
Total	7 Sept. '96	26 Sept. '96	19.5	18.5	1	226

Drilling length			
Programmed length	165m	Overburden	0m
Prolongation	0m	Core length	134.8m
Effective length	165.0m	Core recovery	81.7%

Working hours			Core recover by each 50 meters		
Drilling	248h	54.4%	Length (m)	Each (%)	Cumula. (%)
Non-drilling	103h	22.6%	0 - 50	83.0	83.0
Regain of accident	51h	11.2%	50 - 100	82.5	82.8
Preparation/setting up	18h	3.9%	100 - 165	80.1	81.7
Dismount/mobilization	20h	4.4%			
Others	16h	3.5%			
			Efficiency		
			Effective length/Working drilling days		
			9.7m/d		
			Effective length/Total drilling days		
Total	456h	100%	9.7m/d		

Drilling length by diameter						
Bit diameter	112mm	93mm	76mm			Total
Drilling length	24.6m	0.5m	139.9m			165.0m
Core length	20.4m	0.4m	114.0m			134.8m

Inserted casing pipes			
Inserted length by diameter		Inserted length / Drilling length	Casing recovery
108mm	24.6m	14.9 %	89 %

Apx. 3-2 Miscellaneous Results for Individual Drillhole

(MJKS-6)

	Survey period			Breakdown of period		Total persons
	Period		Total days	Working days	No-working days	
	from	to				
Preparation	8 Sept. '96		0.5	0.5	0	5
Drilling	9 Sept. '96	3 Oct. '96	25	19.5	5.5	306
Dismount		4 Oct. '96	0.5	0.5	0	6
Total	8 Sept. '96	4 Oct. '96	26	20.5	5.5	317

Drilling length			
Programmed length	170m	Overburden	0.4m
Prolongation	0.1m	Core length	144.4m
Effective length	170.1m	Core recovery	84.90%

Working hours			Core recover by each 50 meters		
Drilling	283h	45.4%	Length (m)	Each (%)	Cumula. (%)
Non-drilling	170h	27.2%	0 - 50	83.8	83.8
Regain of accident	49h	7.9%	50 - 100	84.0	83.9
Preparation/setting up	12h	1.9%	100 - 150	88.5	85.3
Dismount/mobilization	12h	1.9%	150 - 170	81.2	84.9
Others	98h	15.7%			
			Efficiency		
			Effective length/Working drilling days		
			8.7m/d		
			Effective length/Total drilling days		
Total	624h	100%	6.8m/d		

Drilling length by diameter						
Bit diameter	112mm	93mm	76mm			Total
Drilling length	3.6m	0.6m	165.9m			170.1m
Core length	3.0m	0.6m	140.8m			144.4m

Inserted casing pipes			
Inserted length by diameter		Inserted length / Drilling length	Casing recovery
108mm	9.4m	5.5 %	100 %
89mm	28.9m	17.0 %	83 %

Apx. 3-2 Miscellaneous Results for Individual Drillhole

(MJKS-7)

	Survey period			Breakdown of period		Total persons
	Period		Total days	Working days	No-working days	
	from	to				
Preparation	27 Sept. '96	30 Sept. '96	4	2	2	14
Drilling	1 Oct. '96	14 Oct. '96	14	14	0	297
Dismount		15 Oct. '96	0.5	0.5	0	6
Total	27 Sept. '96	15 Oct. '96	18.5	16.5	2	317

Drilling length			
Programmed length	150m	Overburden	5.25m
Prolongation	0m	Core length	126.5
Effective length	150.0m	Core recovery	84.3%

Working hours			Core recover by each 50 meters		
Drilling	259h	61.7%	Length (m)	Each (%)	Cumula. (%)
Non-drilling	39h	9.3%	0 - 50	83.7	83.7
Regain of accident	14h	3.3%	50 - 100	84.2	84.0
Preparation/setting up	24h	5.7%	100 - 150	85.2	84.3
Dismount/mobilization	20h	4.8%			
Others	64h	15.2%			
			Efficiency		
			Effective length/Working drilling days		
			10.7m/d		
			Effective length/Total drilling days		
Total	420h	100%	10.7m/d		

Drilling length by diameter						
Bit diameter	112mm	93mm	76mm			Total
Drilling length	3.8m	0.4m	145.8m			150.0m
Core length	3.5m	0.4m	122.6			126.5m

Inserted casing pipes			
Inserted length by diameter		Inserted length / Drilling length	Casing recovery
108mm	3.8m	25.3 %	50 %

Apx. 3-2 Miscellaneous Results for Individual Drillhole

(MJKS-8)

	Survey period			Breakdown of period		Total persons
	Period		Total days	Working days	No-working days	
	from	to				
Preparation	1 Oct. '96	3 Oct. '96	3	3	0	18
Drilling	4 Oct. '96	29 Oct. '96	25.5	25.5	0	285
Dismount	29 Oct. '96	31 Oct. '96	2.5	2.5	0	15
Total	1 Oct. '96	31 Oct. '96	31	31	0	318

Drilling length			
Programmed length	160m	Overburden	4.4m
Prolongation	0	Core length	138.7m
Effective length	160.0m	Core recovery	86.7%

Working hours			Core recover by each 50 meters		
Drilling	331h	48.4%	Length (m)	Each (%)	Cumula. (%)
Non-drilling	171h	25.0%	0 - 50	95.4	95.4
Regain of accident	110	16.0%	50 - 100	83.6	89.5
Preparation/setting up	36h	5.3%	100 - 150	82.0	87.1
Dismount/mobilization	36h	5.3%	150 - 160	81.5	86.7
Others					
			Efficiency		
			Effective length/Working drilling days		
			6.3m/d		
			Effective length/Total drilling days		
Total	684h	100%	6.3m/d		

Drilling length by diameter						
Bit diameter	112mm	93mm	76mm	59mm		Total
Drilling length	---	5.8m	154.2m	---		160.0m
Core length	---	5.8m	132.9m	---		138.7m

Inserted casing pipes			
Inserted length by diameter		Inserted length / Drilling length	Casing recovery
108mm	31.0m	19.4 %	91 %

Apx. 3-2 Miscellaneous Results for Individual Drillhole

(MJKS-9)

	Survey period			Breakdown of period		Total persons
	Period		Total days	Working days	No-working days	
	from	to				
Preparation	5 Oct. '96		0.5	0.5	0	8
Drilling	5 Oct. '96	18 Oct. '96	13	13	0	142
Dismount	18 Oct. '96	19 Oct. '96	1	1	0	10
Total	5 Oct. '96	19 Oct. '96	14.5	14.5	0	160

Drilling length			
Programmed length	130m	Overburden	13.5m
Prolongation	0m	Core length	108.8m
Effective length	130.0m	Core recovery	83.7%

Working hours			Core recover by each 50 meters		
Drilling	193h	55.5%	Length (m)	Each (%)	Cumula. (%)
Non-drilling	90h	25.9%	0 - 50	84.6	84.6
Regain of accident	26h	7.5%	50 - 100	83.5	84.0
Preparation/setting up	12h	3.4%	100 - 130	82.5	83.7
Dismount/mobilization	21h	6.0%			
Others	6h	1.7%			
			Efficiency		
			Effective length/Working drilling days		
			10.0m/d		
			Effective length/Total drilling days		
Total	348h	100%	10.0m/d		

Drilling length by diameter						
Bit diameter	132mm	112mm	76mm	59mm		Total
Drilling length	2.0m	12.0m	101.0m	15.0m		130.0m
Core length	1.8m	11.0m	84.4m	11.6m		108.8m

Inserted casing pipes			
Inserted length by diameter		Inserted length / Drilling length	Casing recovery
89mm	24.0m	18.5 %	100 %

Apx. 3-2 Miscellaneous Results for Individual Drillhole

(MJKS-10)

	Survey period			Breakdown of period		Total persons
	Period		Total days	Working days	No-working days	
	from	to				
Preparation	27 Oct. '96		0.5	0.5	0	10
Drilling	27 Oct. '96	7 Dec. '96	41	32	9	480
Dismount		8 Dec. '96	1.5	1.5	0	6
Total	27 Oct. '96	8 Dec. '96	43	34	9	496

Drilling length			
Programmed length	290m	Overburden	0.4m
Prolongation	0m	Core length	236.4m
Effective length	290.0m	Core recovery	81.5%

Working hours			Core recover by each 50 meters		
Drilling	480h	44.1%	Length (m)	Each (%)	Cumula. (%)
Non-drilling	241h	22.2%	0 - 50	81.3	81.3
Regain of accident	261h	24.0%	50 - 100	83.5	82.4
Preparation/setting up	94h	8.6%	100 - 150	81.1	82.0
Dismount/mobilization	12h	1.1%	150 - 200	80.4	81.6
Others			200 - 250	80.2	81.3
			250 - 290	82.8	81.5
			Efficiency		
			Effective length/Working drilling days		
			9.1m/d		
			Effective length/Total drilling days		
Total	1088h	100%	7.1m/d		

Drilling length by diameter						
Bit diameter	112mm	93mm	76mm			Total
Drilling length	9.0m	5.6m	275.4m			290.0m
Core length	7.6m	4.4m	224.4m			236.4m

Inserted casing pipes			
Inserted length by diameter		Inserted length / Drilling length	Casing recovery
108mm	9.3m	3.2 %	67 %
89mm	15.0m	5.1 %	67 %

Apx. 3-2 Miscellaneous Results for Individual Drillhole

(MJKS-11)

	Survey period			Breakdown of period		Total persons
	Period		Total days	Working days	No-working days	
	from	to				
Preparation	1 Nov. '96		1	1	0	11
Drilling	2 Nov. '96	16 Dec. '96	44.5	33.5	11	461
Dismount	16 Dec '96	17 Dec. '96	1.5	1.5	0	15
Total	1 Nov. '96	17 Dec. '96	47	36	11	487

Drilling length			
Programmed length	295m	Overburden	0.3m
Prolongation	0m	Core length	238.8m
Effective length	295.0m	Core recovery	80.9%

Working hours			Core recover by each 50 meters		
Drilling	509h	47.1%	Length (m)	Each (%)	Cumula. (%)
Non-drilling	189h	17.5%	0 - 50	83.8	83.8
Regain of accident	298h	27.6%	50 - 100	81.0	82.4
Preparation/setting up	36h	3.3%	100 - 150	79.4	81.4
Dismount/mobilization	48h	4.5%	150 - 200	78.9	80.8
Others			200 - 250	81.3	80.9
			250 - 295	81.2	80.9
			Efficiency		
			Effective length/Working drilling days		
			8.8m/d		
			Effective length/Total drilling days		
Total	1080h	100%	6.6m/d		

Drilling length by diameter						
Bit diameter	112mm	93mm	76mm	59mm		Total
Drilling length	4.2m	3.2m	286.1m	1.5m		295.0m
Core length	4.2m	2.8m	230.3m	1.5m		238.8m

Inserted casing pipes			
Inserted length by diameter		Inserted length / Drilling length	Casing recovery
108mm	7.0m	2.4 %	0 %
89mm	30.0m	10.2 %	0 %

Apx. 3-2 Miscellaneous Results for Individual Drillhole

(MJKS-12)

	Survey period			Breakdown of period		Total persons
	Period		Total days	Working days	No-working days	
	from	to				
Preparation	22 Oct. '96	24 Oct. '96	2.5	2.5	0	10
Drilling	24 Oct. '96	12 Nov. '96	19.5	19.5	0	228
Dismount	13 Nov. '96	16 Nov. '96	4	4	0	20
Total	22 Oct. '96	16 Nov. '96	26	26	0	258

Drilling length			
Programmed length	200m	Overburden	7.4m
Prolongation	0.1m	Core length	164.9m
Effective length	200.1m	Core recovery	82.4%

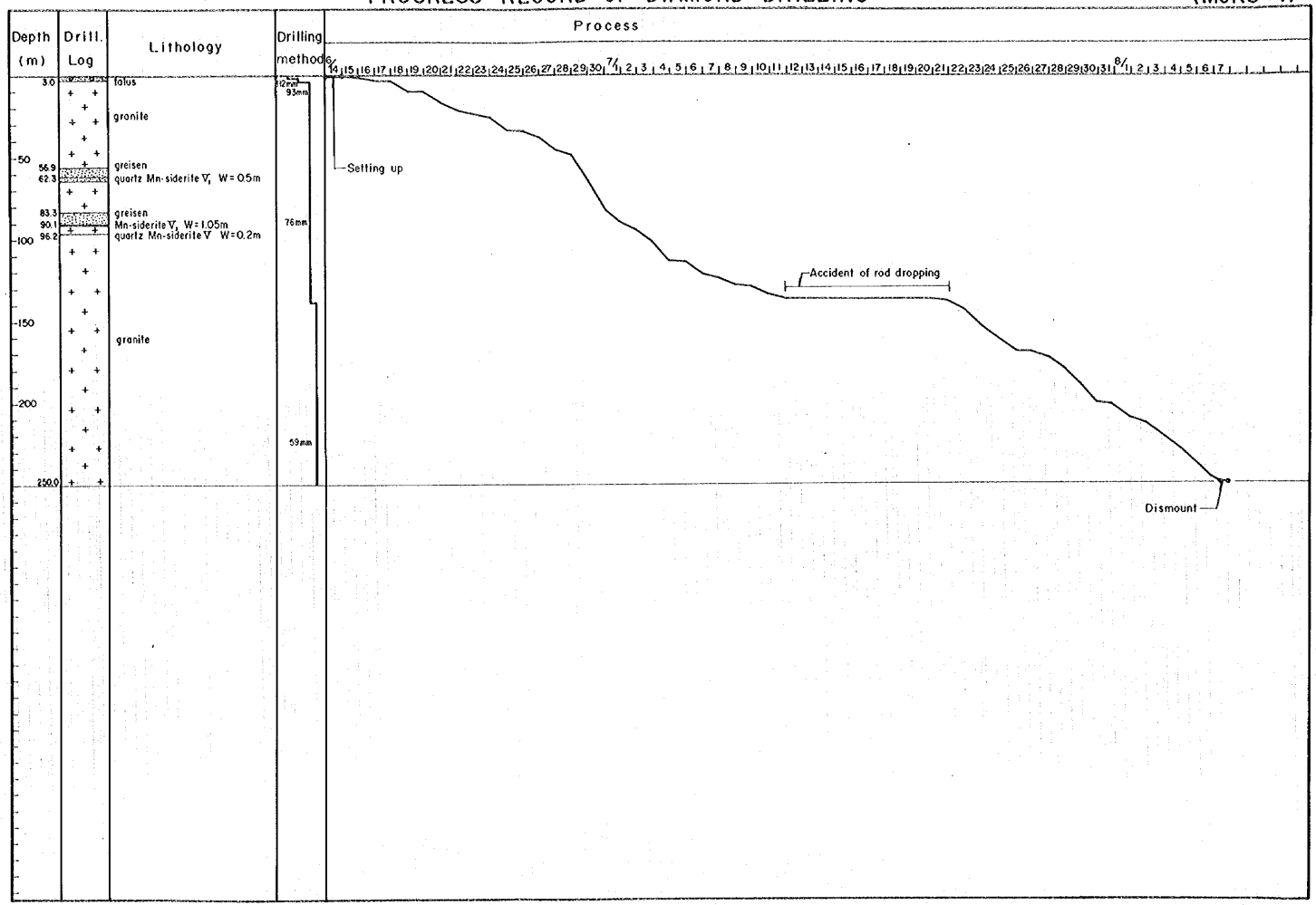
Working hours			Core recover by each 50 meters		
Drilling	313h	59.3%	Length (m)	Each (%)	Cumula. (%)
Non-drilling	135h	25.5%	0 - 50	83.9	83.9
Regain of accident	20h	3.8%	50 - 100	78.4	81.0
Preparation/setting up	12h	2.3%	100 - 150	84.5	82.0
Dismount/mobilization	48h	9.1%	150 - 200	83.6	82.4
Others					
			Efficiency		
			Effective length/Working drilling days		
			10.3m/d		
			Effective length/Total drilling days		
Total	528h	100%	10.3m/d		

Drilling length by diameter						
Bit diameter	112mm	93mm	76mm			Total
Drilling length	6.5m	21.3m	172.3m			200.1m
Core length	6.5m	17.1m	141.3m			164.9m

Inserted casing pipes			
Inserted length by diameter		Inserted length / Drilling length	Casing recovery
108mm	6.5m	3.2 %	100 %
89mm	31.4m	15.7 %	100 %

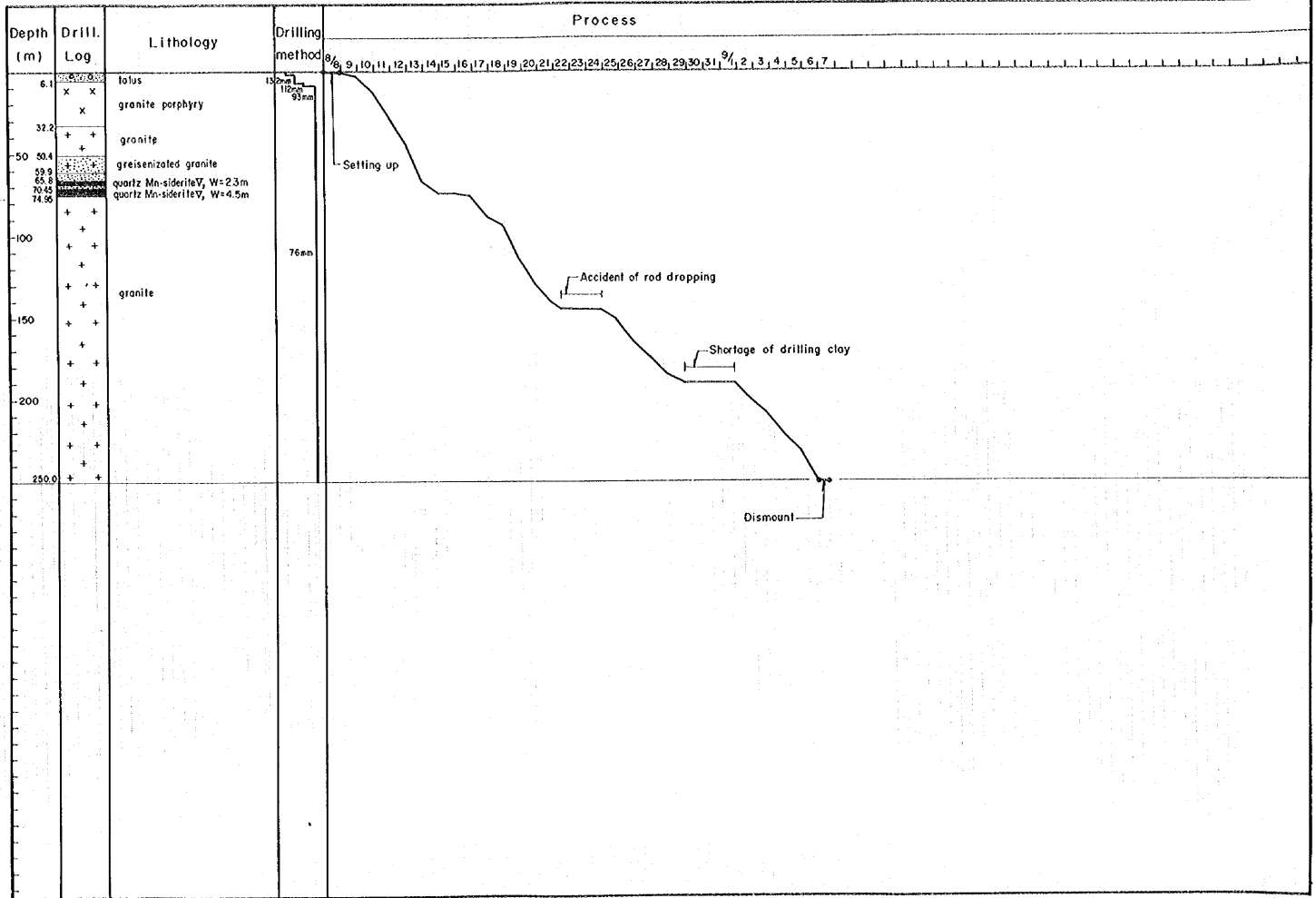
PROGRESS RECORD OF DIAMOND DRILLING

(MJKS--1)



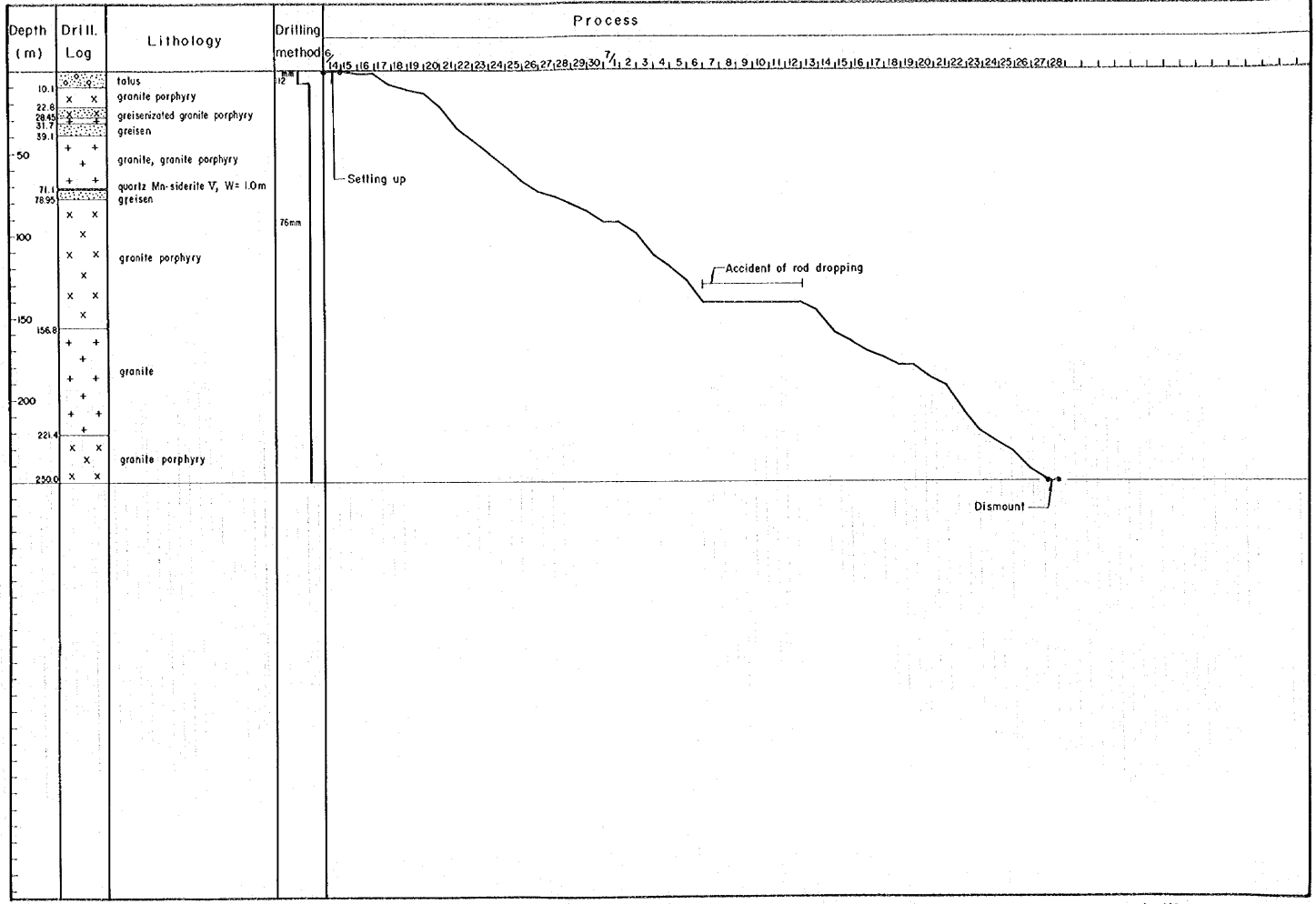
PROGRESS RECORD OF DIAMOND DRILLING

(MJKS-2)



PROGRESS RECORD OF DIAMOND DRILLING

(MJKS-3)



PROGRESS RECORD OF DIAMOND DRILLING

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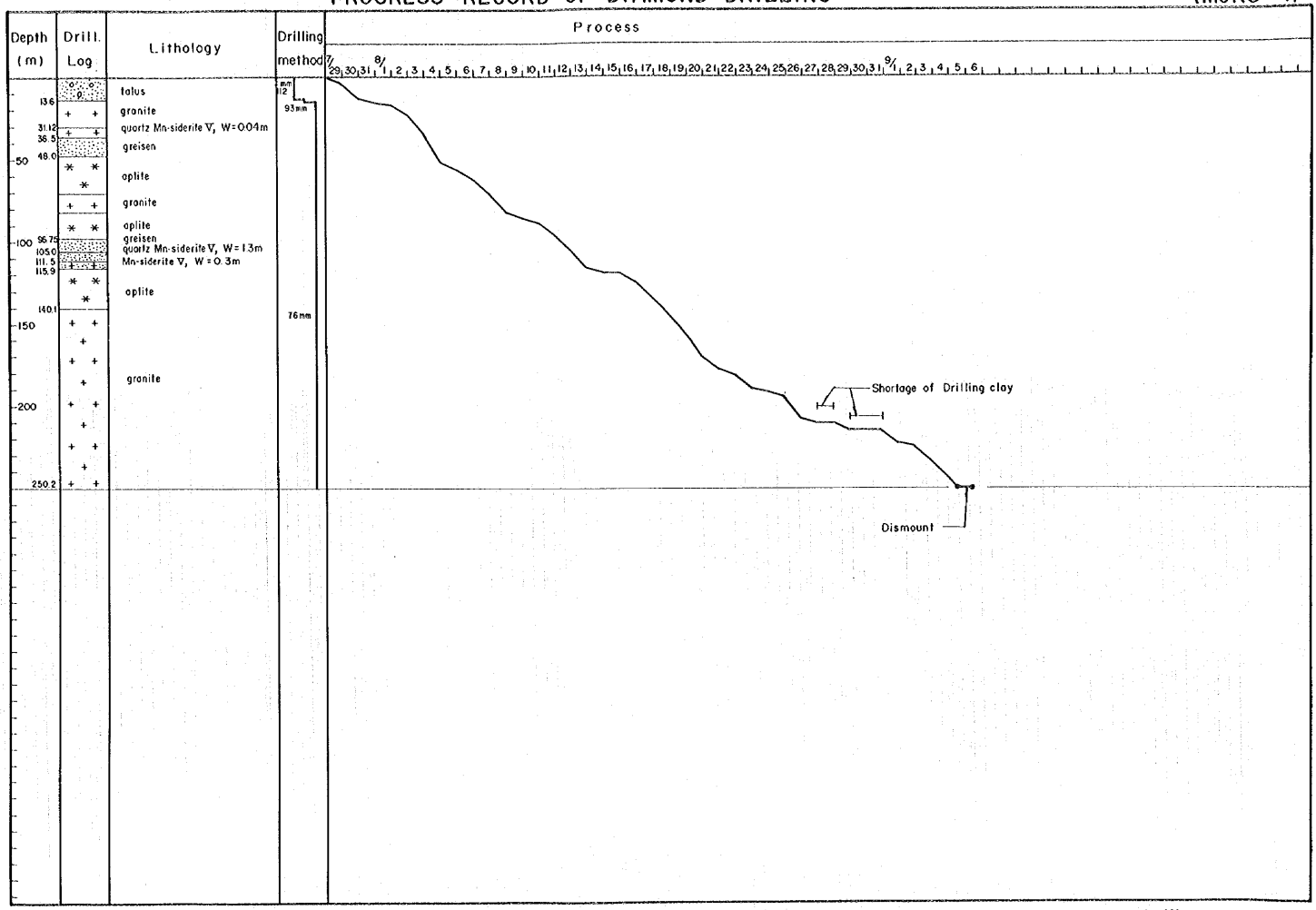
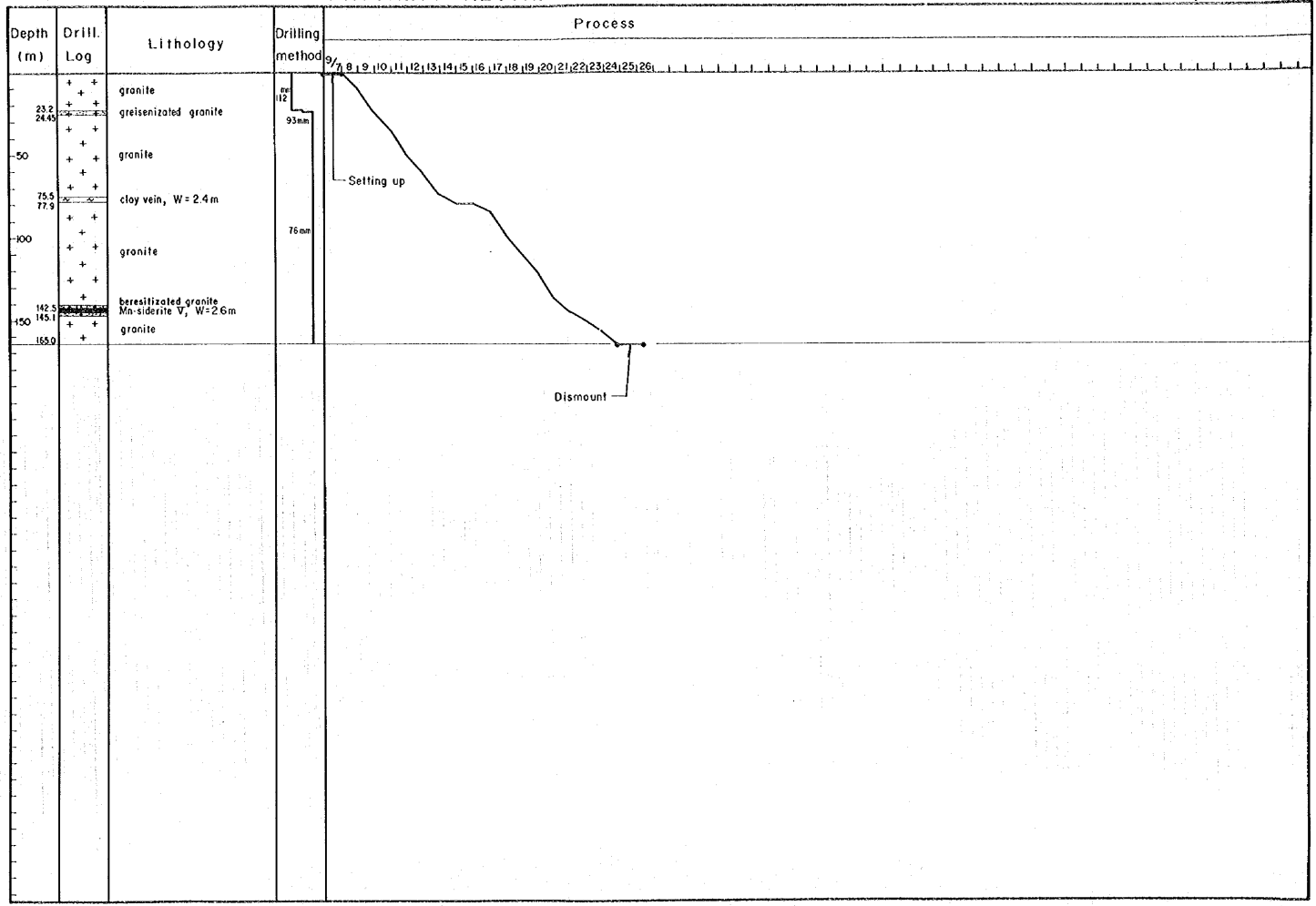


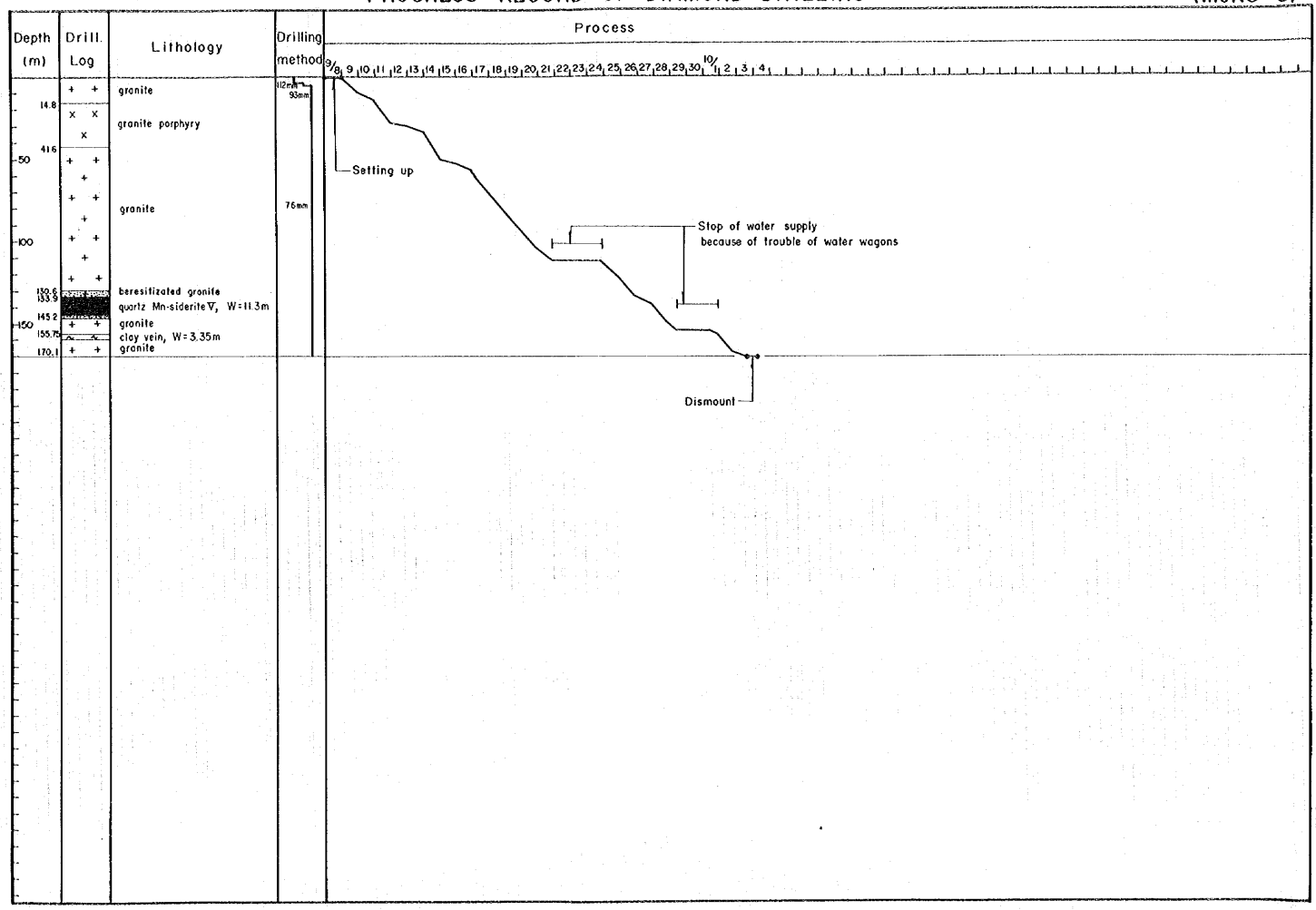
PROGRESS RECORD OF DIAMOND DRILLING

(MJKS-5)



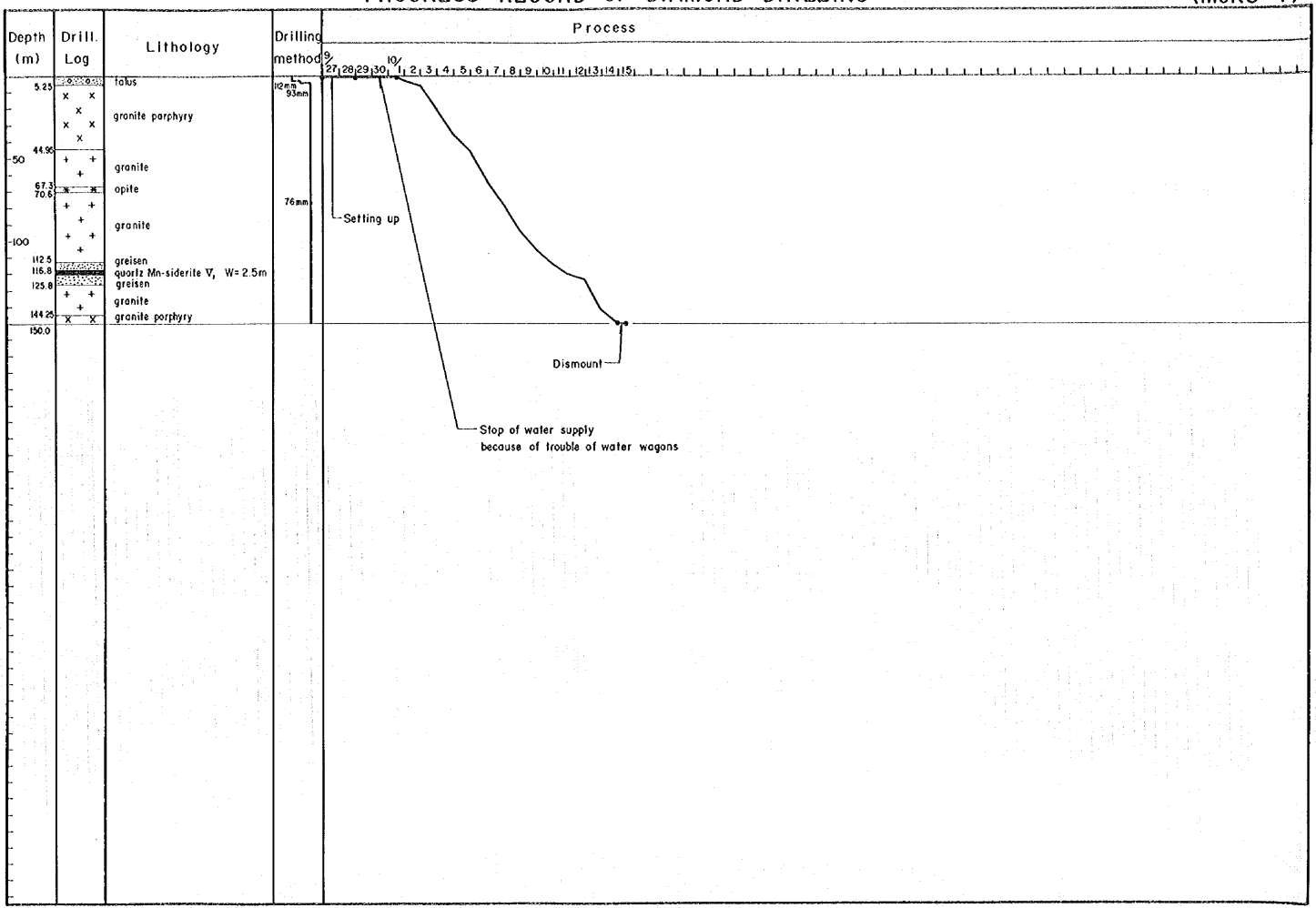
PROGRESS RECORD OF DIAMOND DRILLING

(MJKS-6)



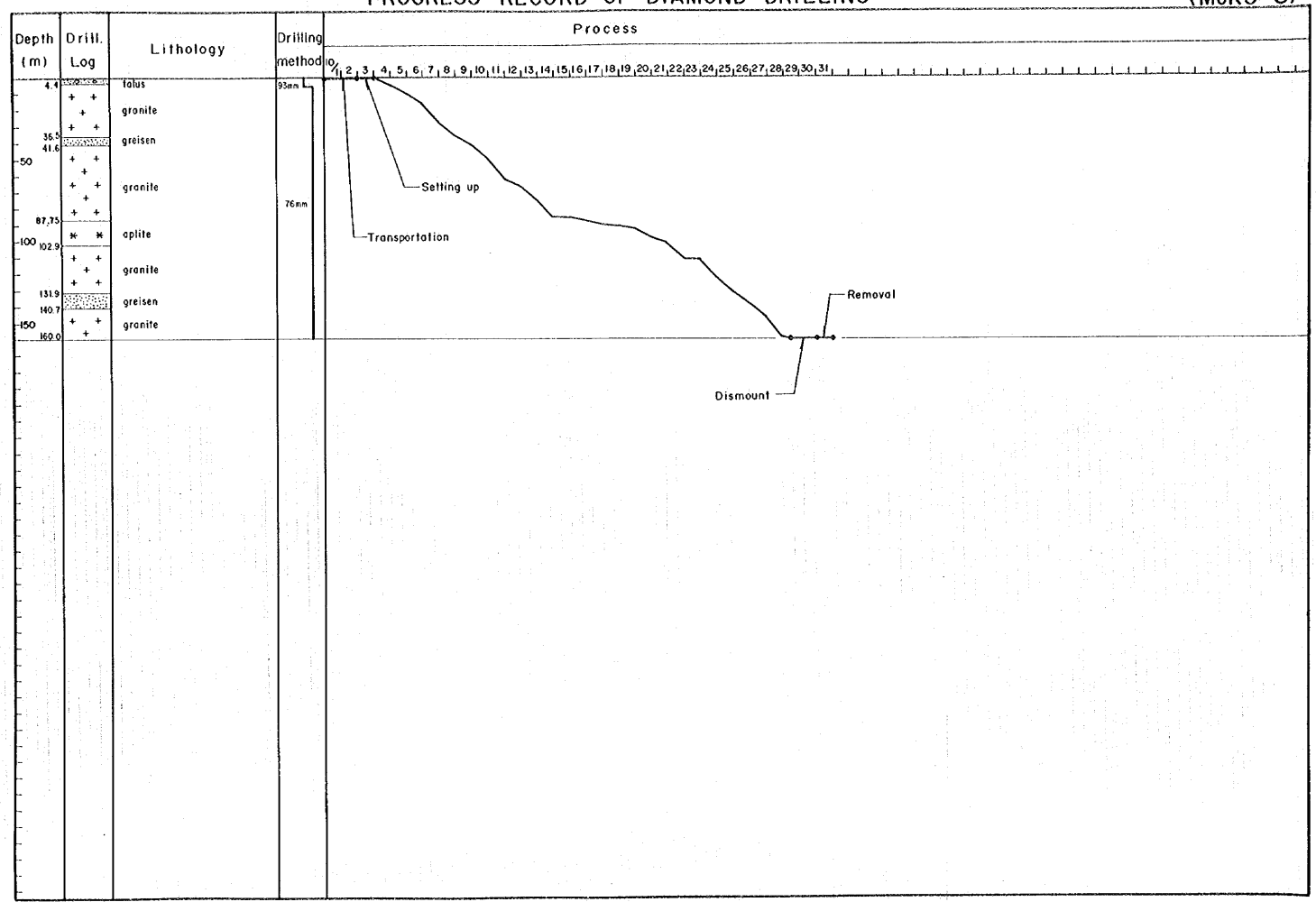
PROGRESS RECORD OF DIAMOND DRILLING

(MJKS-7)



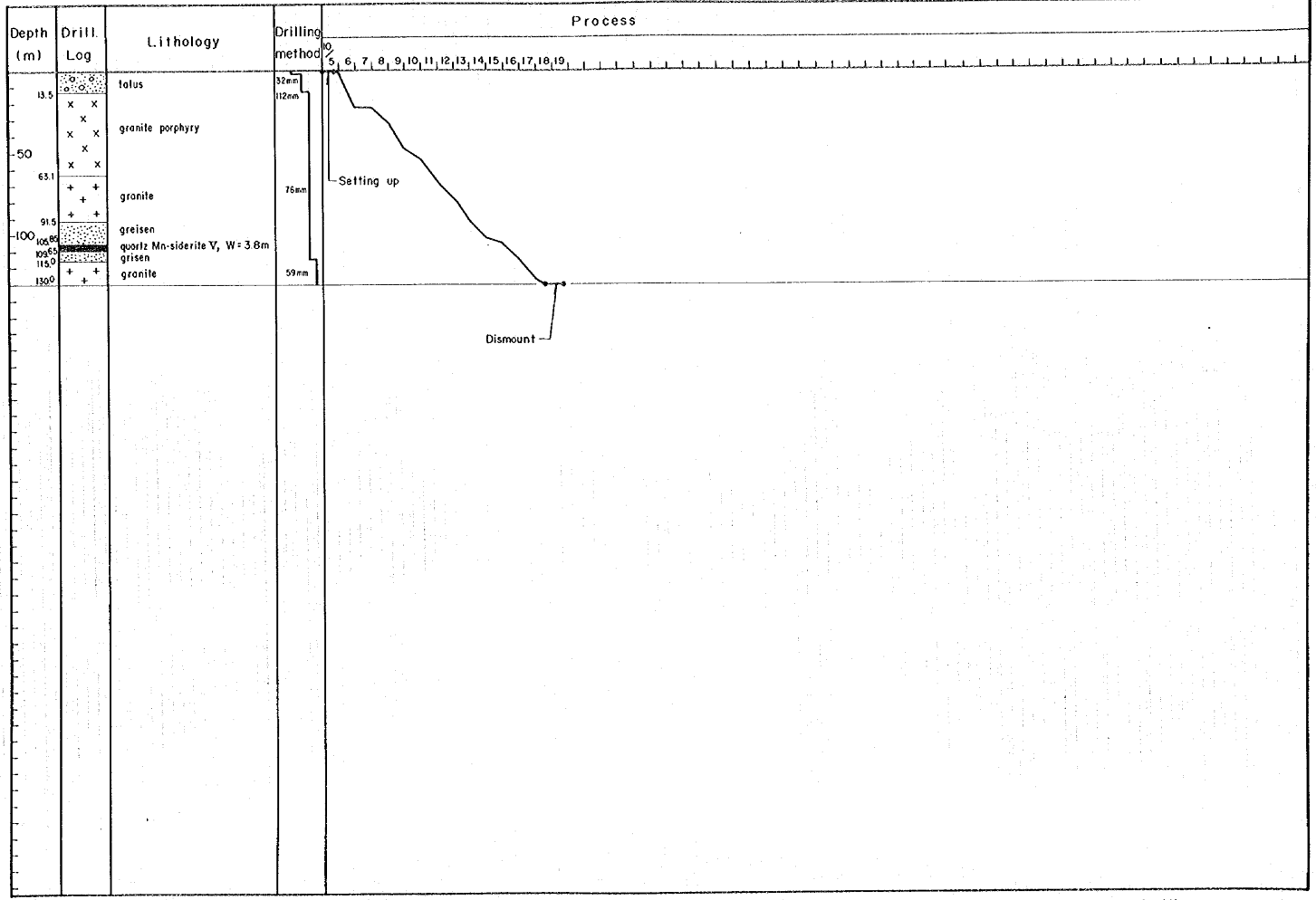
PROGRESS RECORD OF DIAMOND DRILLING

(MJKS-8)



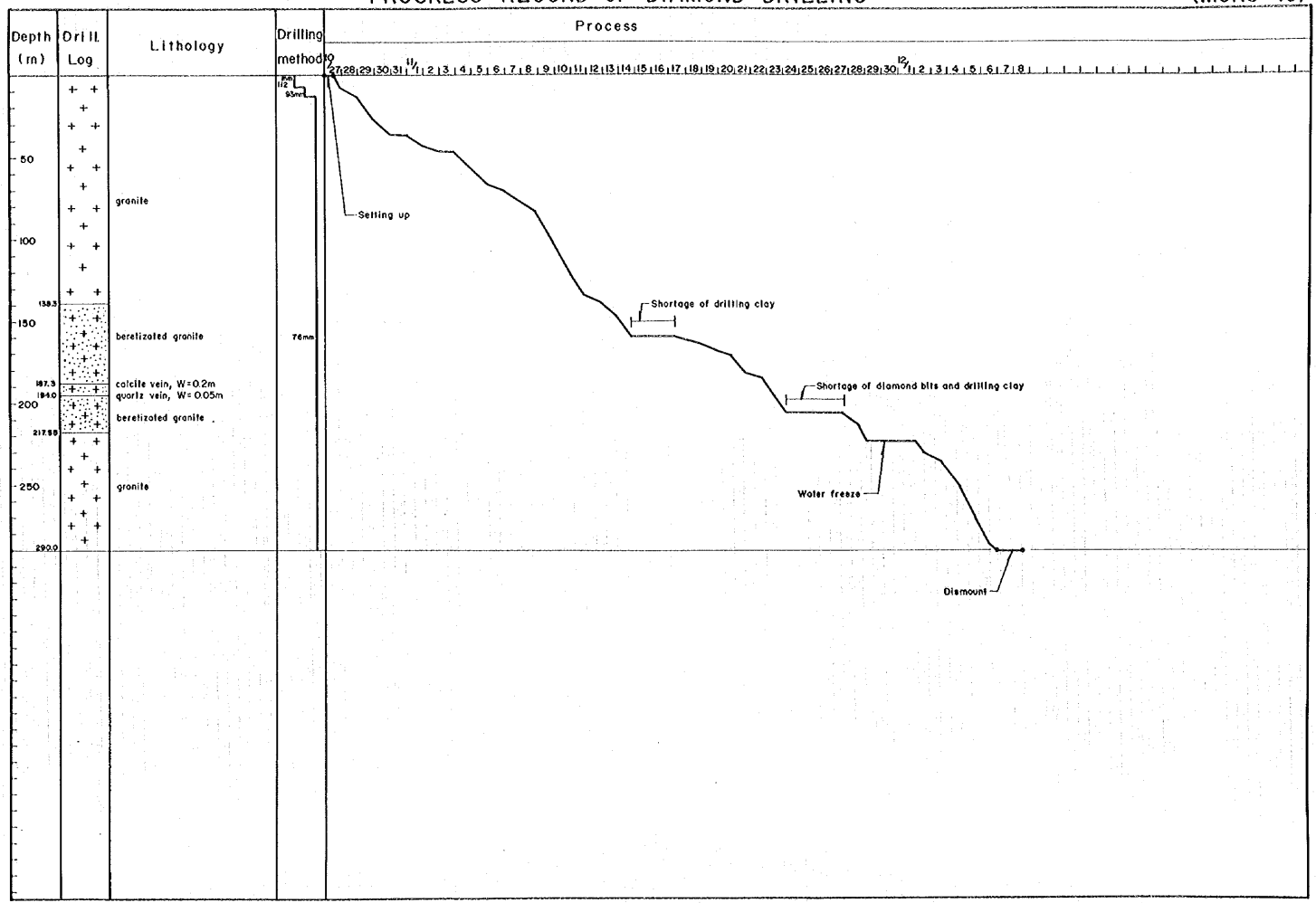
PROGRESS RECORD OF DIAMOND DRILLING

(MJKS-9)



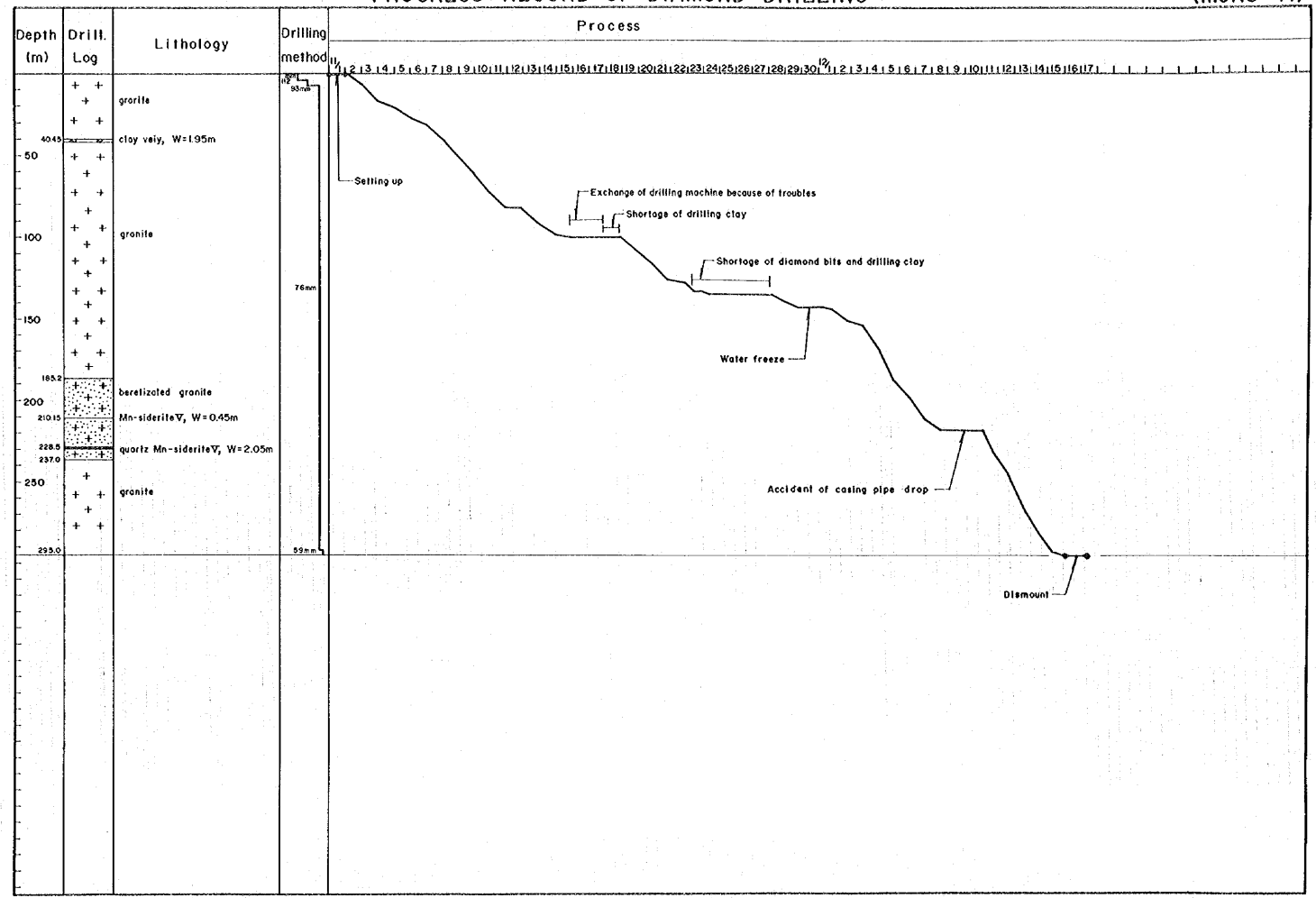
PROGRESS RECORD OF DIAMOND DRILLING

(MJKS-10)



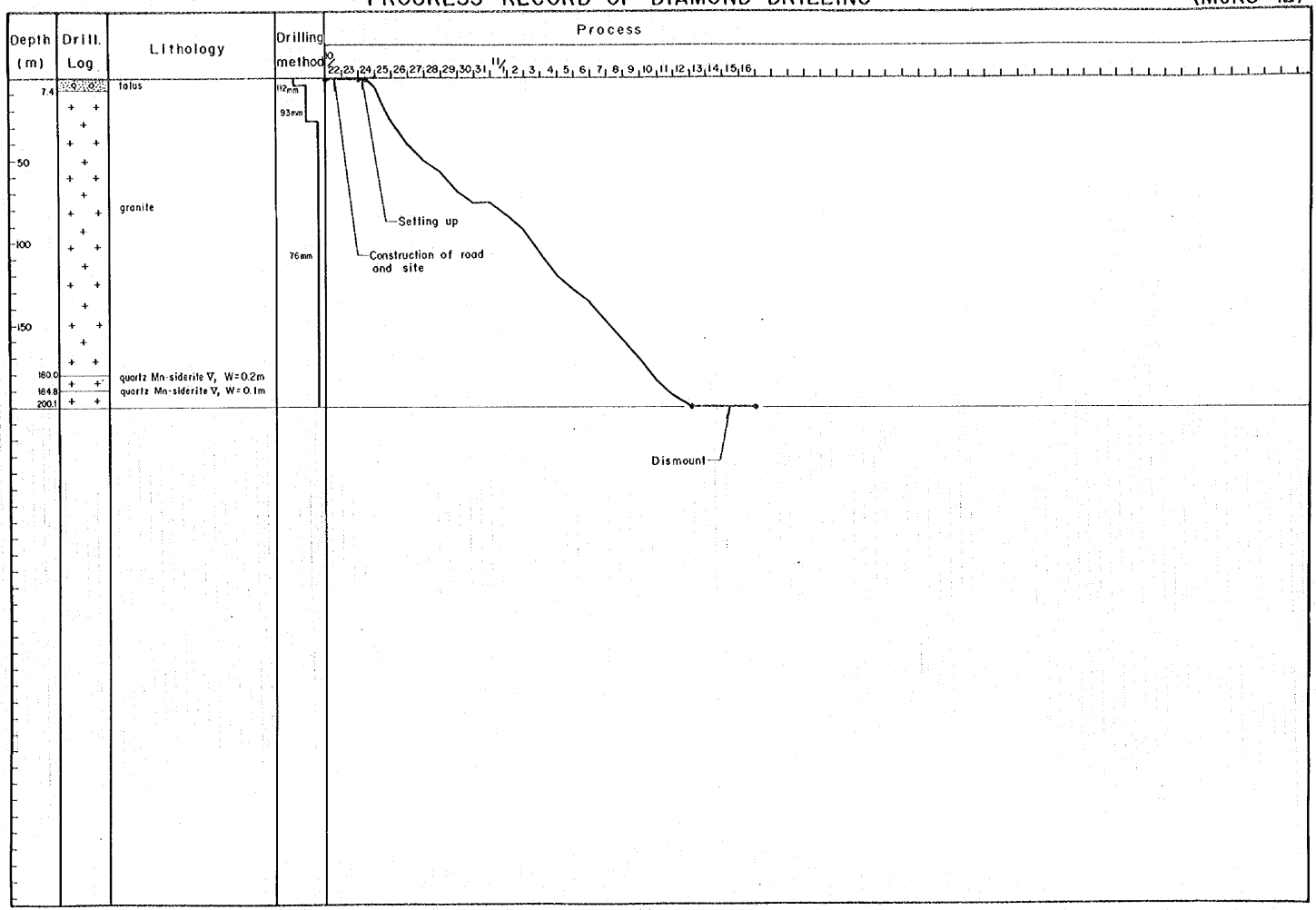
PROGRESS RECORD OF DIAMOND DRILLING

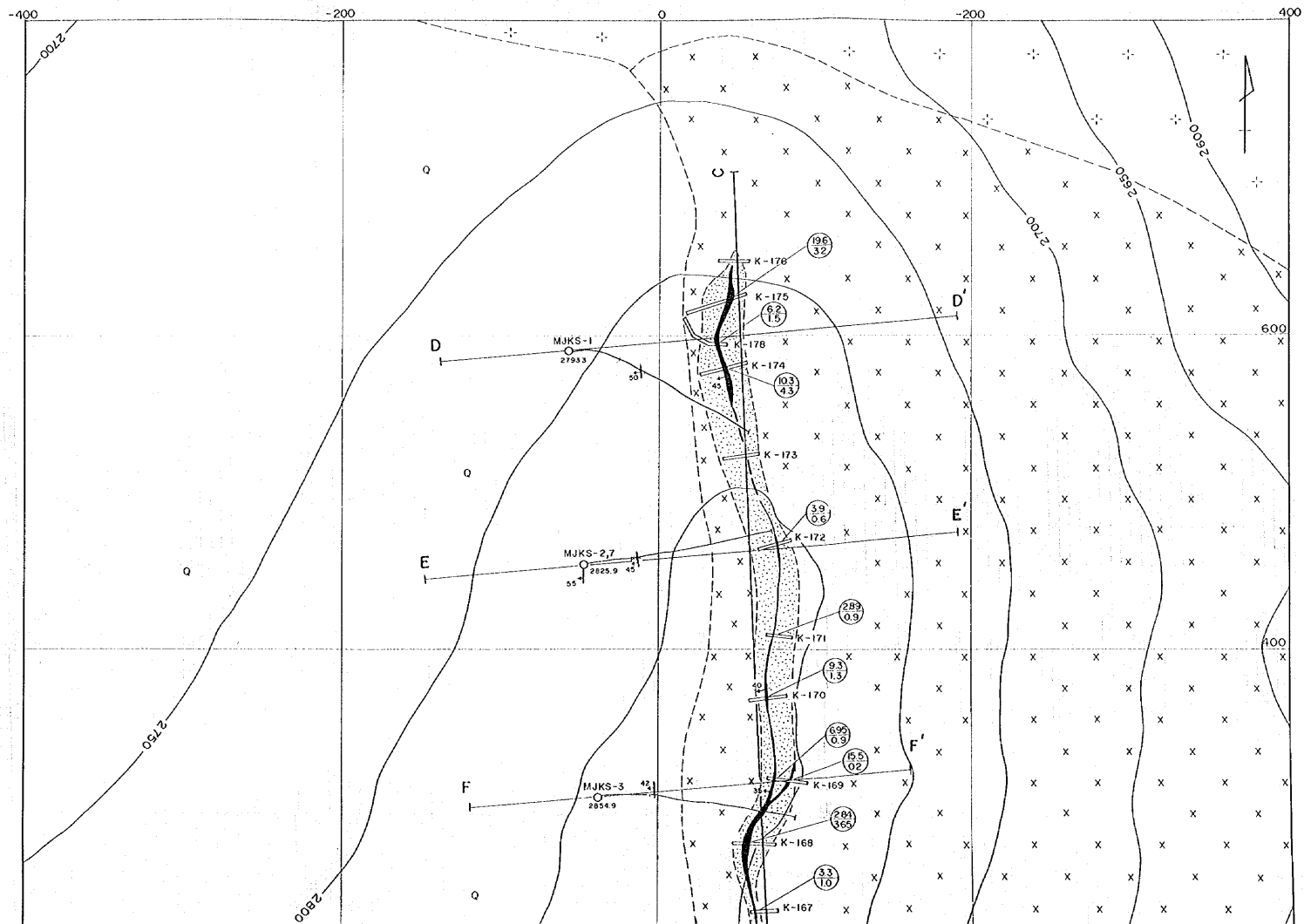
(MJKS-11)



PROGRESS RECORD OF DIAMOND DRILLING

(MJKS-12)

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-200
0
-200
400
2700
2600
2650
2700
600
400
2750
2800
Q
C
D
D'
E
E'
F
F'
MJKS-1
27933
MJKS-2,7
2825.9
MJKS-3
2834.9
K-176
K-175
K-178
K-174
K-173
K-172
K-171
K-170
K-169
K-168
K-167
196
32
62
1.6
103
4.3
3.9
0.6
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0.9
9.3
1.3
6.92
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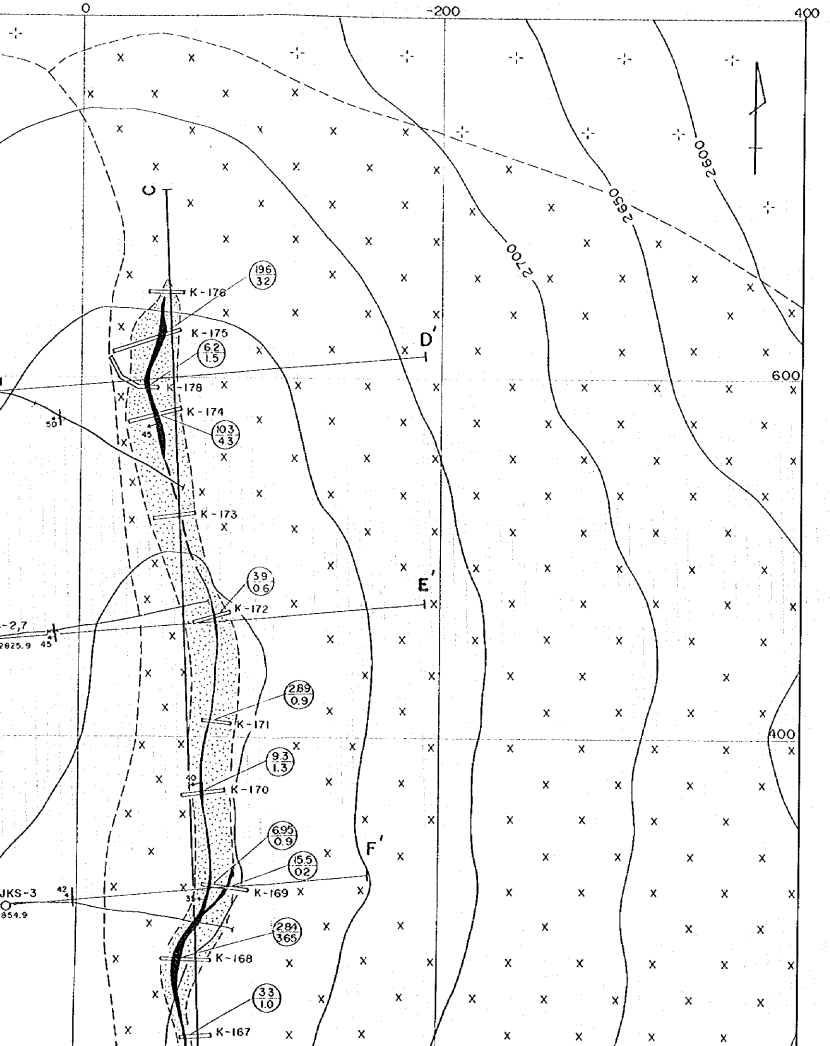
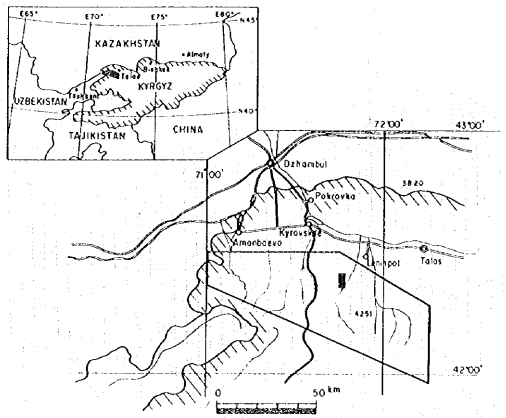
15.5
0.2
284
36.5
3.3
1.0



PL. - 1

THE MINERAL EXPLORATION IN THE TALAS AREA, THE KYRGYZ REPUBLIC (PHASE III)

Geological Map of the Shyraldzhyn Area



JAPAN INTERNATIONAL COOPERATION AGENCY

METAL MINING AGENCY OF JAPAN

FEBRUARY 1997

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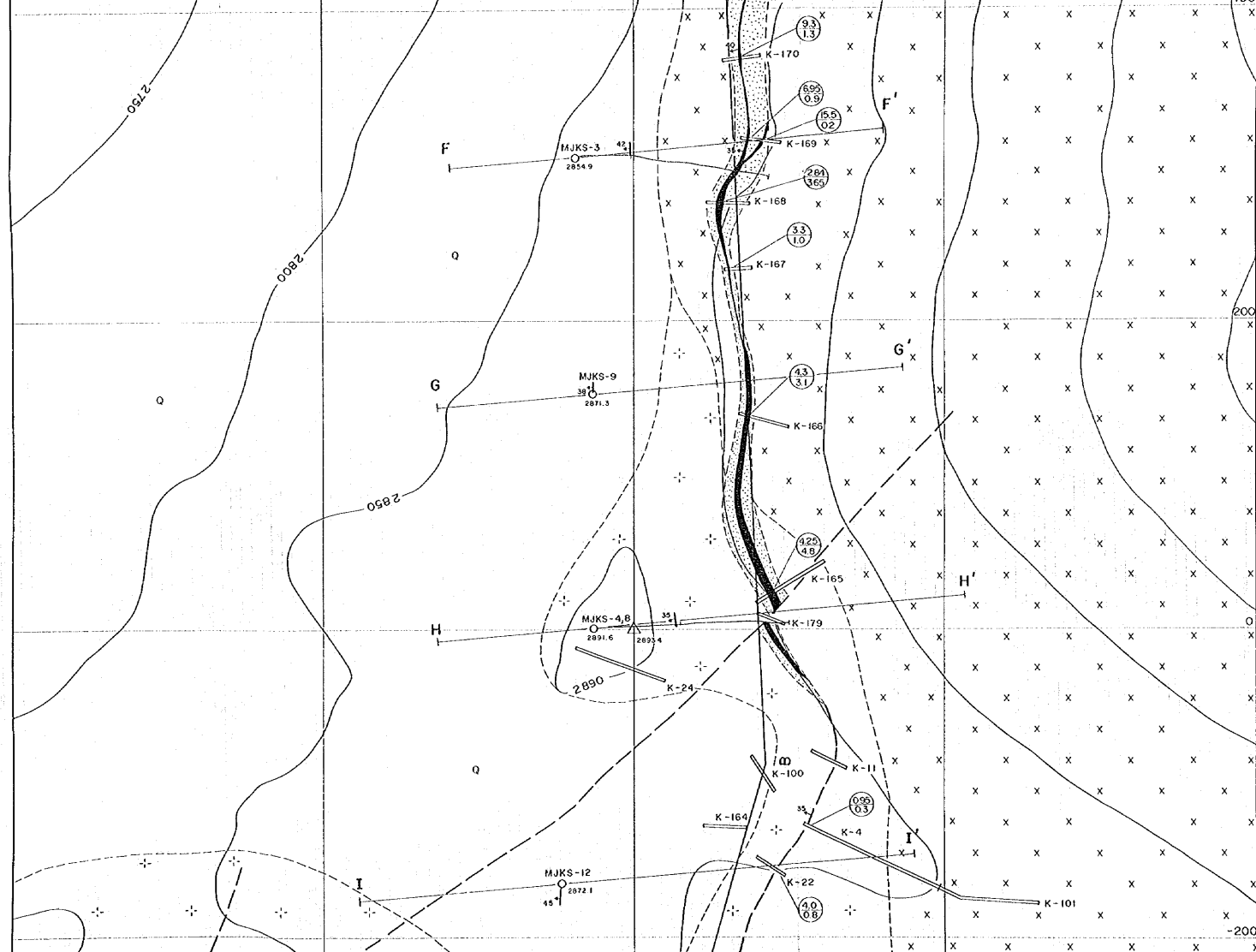
2750
2800
2850
2890
Q
F
F'
G
G'
H
H'
I
I'
MJKS-3
2854.9
MJKS-9
2871.3
MJKS-4,8
2891.6
2893.4
MJKS-12
2872.1
K-170
K-169
K-168
K-167
K-166
K-165
K-179
K-24
K-100
K-11
K-164
K-4
K-22
K-101
33
1.3
6.9
0.9
15.5
0.2
28.4
36.5
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0.99
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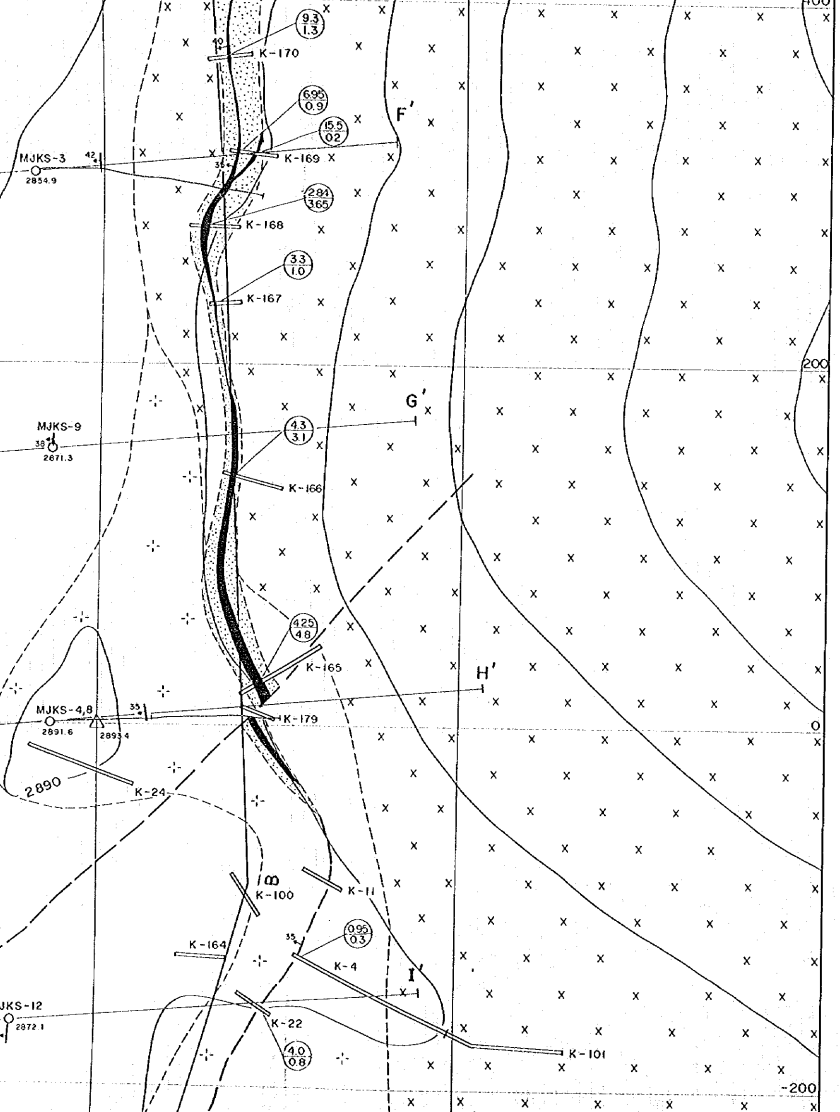
0.8
-200



JAPAN INTERNATIONAL COOPERATION AGENCY

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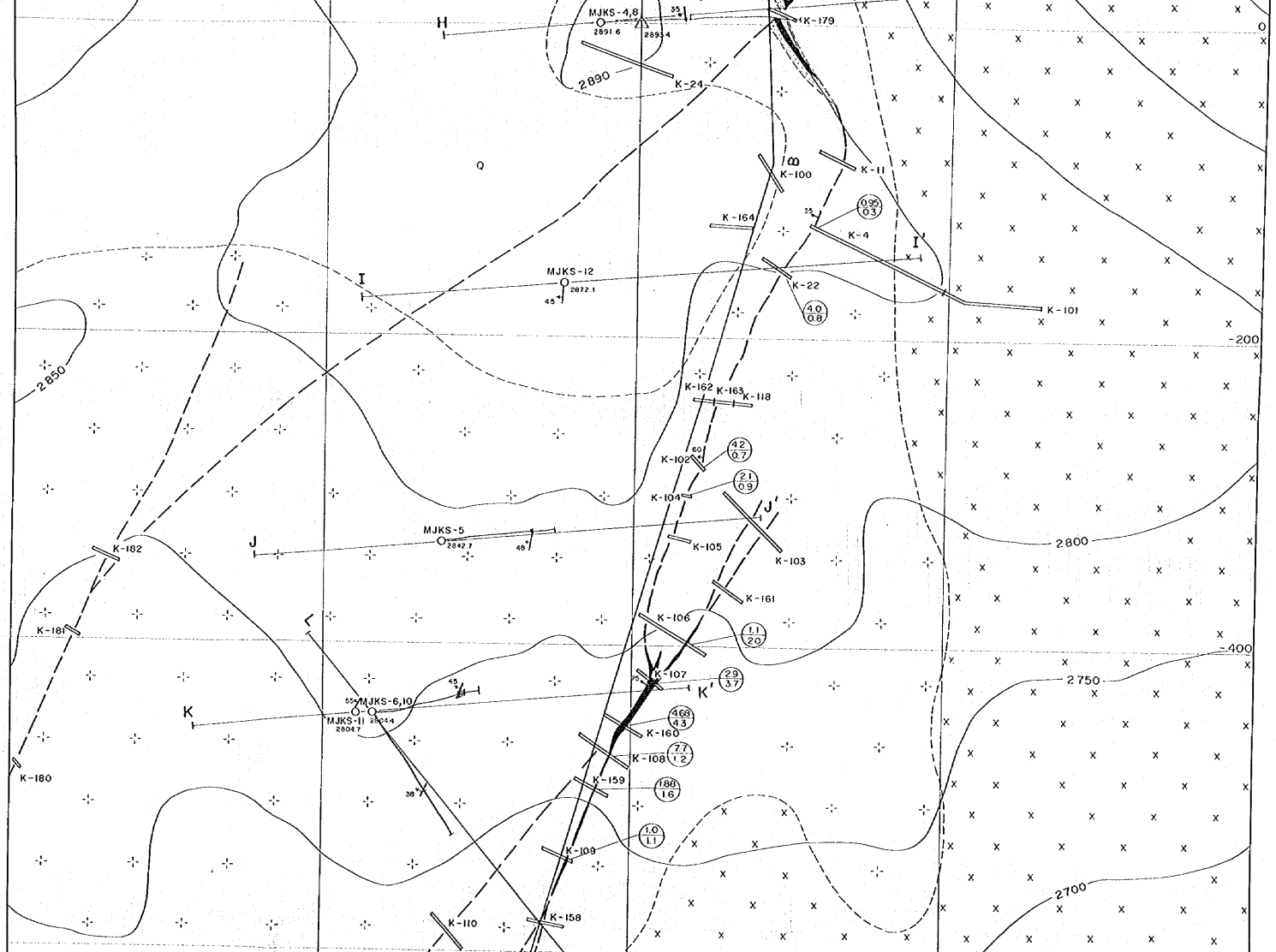
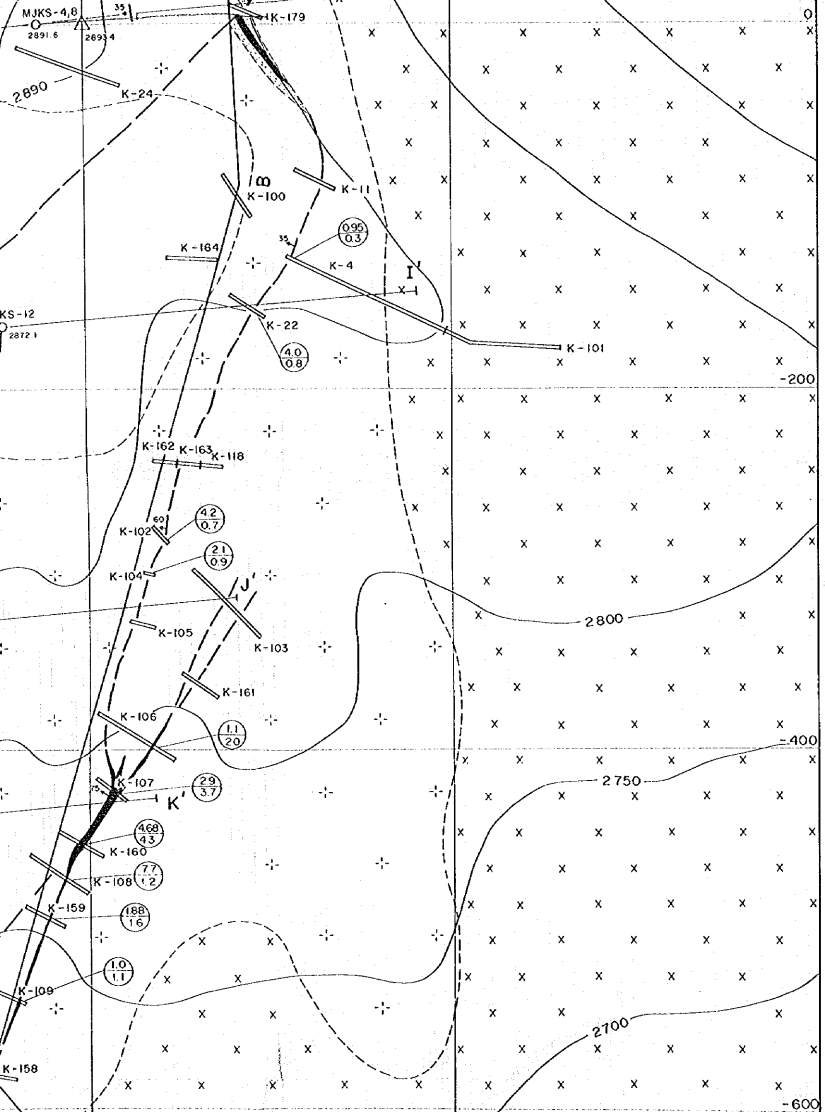
FEBRUARY 1997

Prepared by MINDECO

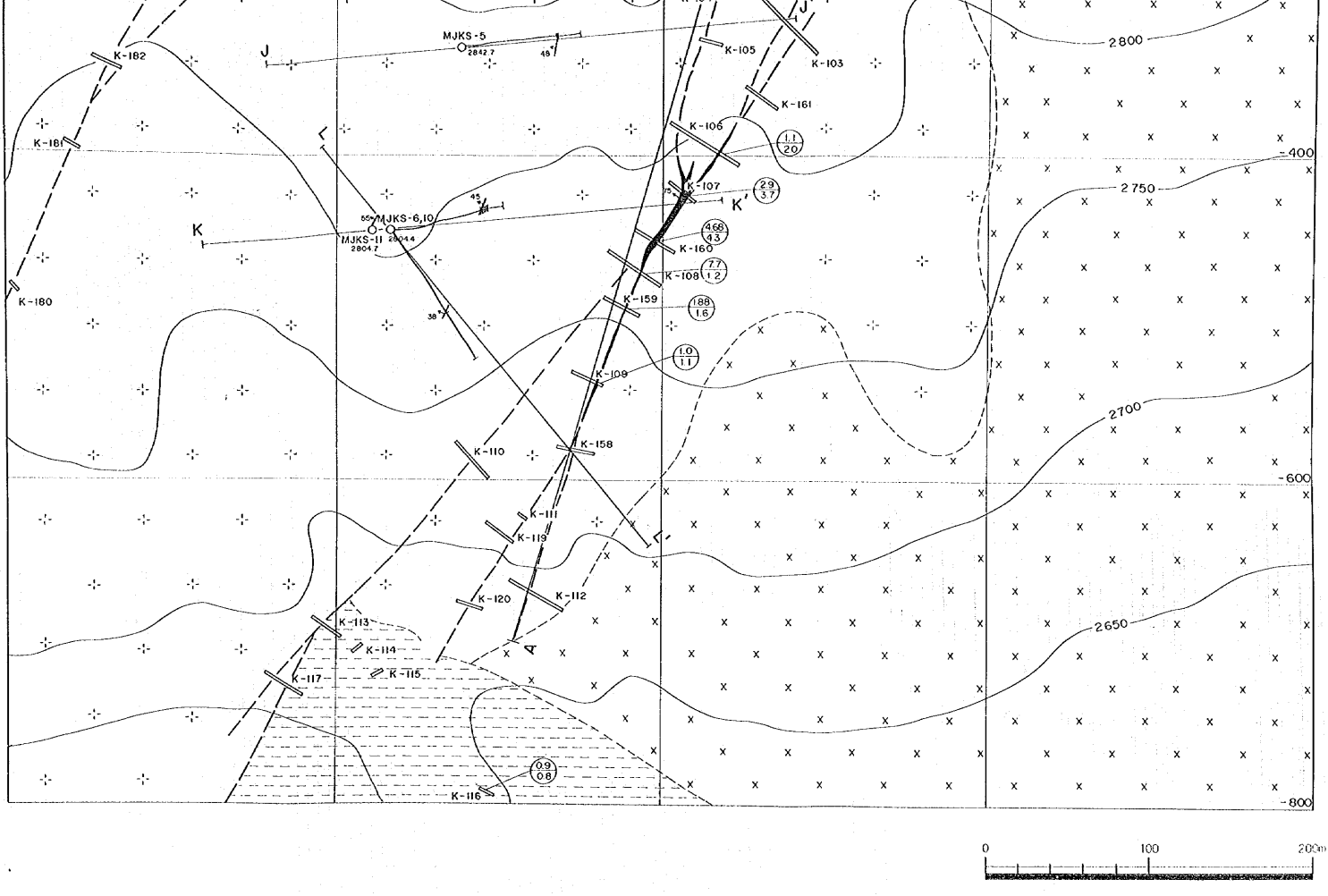
LEGEND

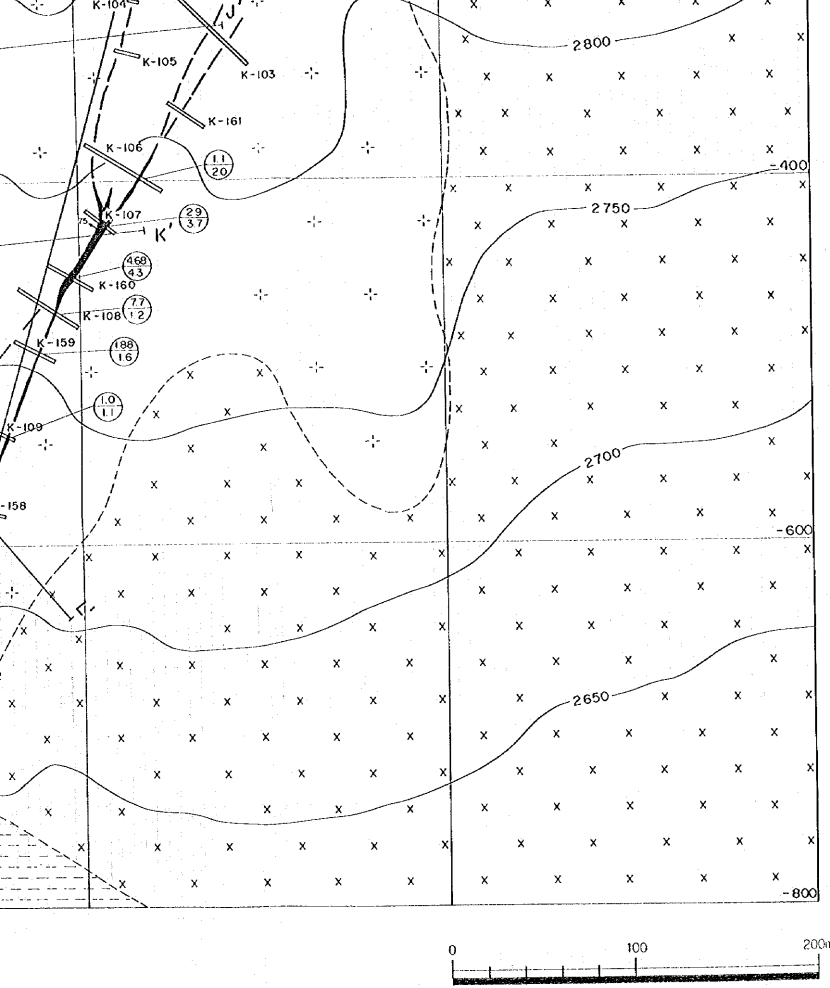

H
MJKS-4,8
2891.6
2893.4
K-179
2890
K-24
Q
K-100
K-11
K-164
K-4
I
I'
MJKS-12
2872.1
K-22
K-101
2850
K-162
K-163
K-118
K-102
K-104
J
J'
MJKS-5
2842.7
K-105
K-103
K-182
K-161
K-181
K-106
K-107
K
K'
MJKS-6,10
MJKS-11
2804.4
2804.7
K-160
K-108
K-180
K-159
K-109
K-110
K-158
2800
2750
2700
-200
-400
Qu
Pr
Po



LEGEND

Quaternary sediments	Q	Detritus
Proterozoic Sarydzhonskaya Gr.		Shale, hornfels
Paleozoic Intrusives		Granite porphyry
		Granite
		Greisen
		Vein
		Fault
	45	Strike and dip (vein)
	MJKS-3	Drillhole
	K-107	Trench
	a / b	a : Average grade of gold (g/t) b : Width (m)


MJKS-5
2842.7
45°
K-182
K-181
K-180
K-105
K-103
K-161
K-106
1.1
2.0
K-107
2.9
3.7
MJKS-6,10
MJKS-11
2804.7
2804.4
55°
45°
75°
4.6
4.3
K-160
K-108
7.7
1.2
K-159
1.8
1.6
38°
1.0
1.1
K-109
K-110
K-158
K-111
K-119
K-120
K-112
K-113
K-114
K-115
K-117
0.9
0.8
K-116
2800
2750
2700
2650
-400
-600
-800
J
J'
K
K'
L
L'
A
A'
0
100
200m



Greisen

Vein

Fault

45
Strike and dip (vein)

MJKS-3
Drillhole

K-107
Trench

a
b
a : Average grade of gold (g/t)
b : Width (m)