

for tin and tungsten are particularly concentrated. In addition, 2 holes were drilled in the limestone area to the north of the area, and 4 holes in the south of the area where multiple zones of high niobium and tantalum anomaly are observed.

Geology, minerals encountered and the quality there are discussed below. Drilling log of scale 1:200 were prepared and are shown in Appendix 9, and core analyses in Table 7 to 10 and Appendix 7.

#### 2-2-2 Core Observation

##### MJTY-1: to 36.10m depth

Surface layer is brown soil, changing to granite at 2.00m depth. At 5.50m, layer is reddish brown to brown sedimentary rock, highly weathered and soft. Original rock is not clear. At 21m depth, layer is skarnized, hard rock, greenish gray in color. Sphalerite is concentrated in one portion of the skarn. At 24.50~26.00m depth, concentration of pyrrhotite was seen as well as the scattered presence of sphalerite, chalcopyrite, scheelite and magnetite. In addition, argentite was seen in small amounts in polished section (C1-1, 22.60m). From 34.30m, geology changes to white silicified rock, and then to fine to medium grained tourmaline bearing muscovite granite. This layer continues to the bottom of the hole.

As the result of ore analysis, high grade Zn is found at 21.10~26.00m and 32.00~34.30m depths at 1.22~3.17% and 1.06%, respectively. Low grade Sn, W, and Cu are found at 21.10~34.30m depth at 0.028~0.088%, 0.008~0.049%, and 0.015~0.29%, respectively.

##### MJTY-2: to 30.00m depth

Surface layer is brown soil extending to 3.30m depth. Below this to the bottom the hole is white, fine to course grained two mica granite. Grain of the granite becomes coarser with depth. At shallower depth, the granite contains tourmaline. From shallow to medium depth, the granite is kaolinized.

##### MJTY-3: to 30.00m depth

Surface layer is brown soil extending to 3.5m depth. Below this to the bottom the hole is white, fine grained muscovite granite containing tourmaline. The granite is heavily kaolinized throughout.

##### MJTY-4: to 30.00m depth

Surface layer is brown to reddish soil, changing to highly weathered, reddish brown to black, clayey sedimentary rock at 3.00m depth. A gossan was seen at 5.40~5.60m. White to grayish white, fine to medium grained tourmaline granite extends from 10.30m depth to the bottom of the hole. At its boundary with sedimentary rock at 10.30~11.50m, the granite is highly weathered and reddish brown to yellowish brown in color. At 11m depth, it contains a small

silicified vein. From 11.50m depth to the bottom of the hole, the granite is kaolinized and sericitized.

MJTY-5: to 30.00m depth

Surface layer is brown soil, changing to yellowish brown, clayey sedimentary rock at 3.20m depth. At 15.90m depth, white, medium grained tourmaline granite is present, changing to medium to coarse grained two mica granite at 24.00m depth. Grain of the granite and muscovite content increase with depth. Fine quartz veins 3~5cm in width were seen at 24.00, 25.30 and 29.50m. At 15.90~24.00m, the granite is kaolinized and sericitized.

MJTY-6: to 30.00m depth

Surface layer is brown soil, changing to brown to dark brown, clayey sedimentary, rock at 3.80m depth. The dark brown portion appears to be a gossan, although this is not clear due to heavy weathering. Highly weathered, reddish brown to yellow, medium grained two mica granite is present from 5.60m depth. The granite is sericitized to below 14.80m depth. Below 14.80m, granite is whitish gray, relatively fresh rock.

MJTY-7: to 30.00m depth

Surface layer is yellowish brown soil, changing to brown, clayey sedimentary rock at 1.40m depth. A dark brown, highly porous gossan is present at 15.00~17.10m, containing a small amount of oxidized copper at its upper portion. From 17.10m, geology is fine to medium grained tourmaline bearing muscovite granite. At its upper boundary at 17.10 to 19.00m depth, granite is highly weathered and powdery. A silicified zone is seen at 19.00~19.70m.

skarnization was found at 19.70~30.00m depth.

MJTY-8: to 30.00m depth

Surface layer is purplish brown soil, changing to yellowish brown to yellow, fine to medium grained tourmaline bearing two mica granite. Muscovite and biotite contents of the granite increase and decrease, respectively, with depth. Granite is heavily weathered and powdery throughout.

MJTY-9: to 30.00m depth

Surface layer is reddish brown to yellow soil, changing to reddish brown to yellow brown, sedimentary rock at 3.00m depth, bedding is distinct despite the fact that weathering is heavy and the upper portion is clayey. Medium grained two mica granite appears at 13.00m depth and continues to the bottom of the hole.

MJTY-10: to 31.10m depth

Surface layer is dark brown soil containing gossan gravel, changing to reddish brown to yellow, clayey sedimentary rock at 3.00m depth, for which bedding is distinct. At 14.30~

25.50m, rock is gray to greenish gray, skarnized and disseminated throughout with pyrite. Chalcopyrite is sporadically present. Fine grained tourmaline bearing muscovite granite appears at 25.50m. A quartz vein with small dissemination of pyrite and chalcopyrite is present at 29.20m to the bottom of the hole.

Mineral analysis indicates average grade Cu at 0.527% at 14.30~25.50m.

MJTY-11: to 31.10m depth

Surface layer is brown soil, changing to reddish brown, clayey sedimentary rock at 3.00m depth. White, medium grained two mica granite appears at 7.00m. The upper boundary of the granite around 7m depth is reddish brown and indistinct. Granite is argillized, showing heavy skarnization.

MJTY-12: to 30.00m depth

Surface layer is brown soil containing gossan gravel, changing to white to pale yellow, medium grained two mica granite. Granite is argillized, showing heavy skarnization throughout.

MJTY-13: to 30.00m depth

Surface layer is brown soil, changing to yellowish brown, argillized sedimentary rock at 2.50m depth. The layer contains white weathered granite at 10.00~10.65m and changes to gossan at 10.65m. The gossan is dark brown, vesicular with sporadic presence of chalcopyrite. At 16.90m, geology becomes medium grained, two mica granite. Upper portion of the granite is reddish brown, and contains a gossan at 17.60~17.70m. From 20.20m to the bottom of the hole, granite is white and highly kaolinized.

MJTY-14: to 42.50m depth

Surface layer is brown soil, changing to reddish, argillized sedimentary rock at 2.20m depth. Gossans are present, including one at 8.00~12.30m which is dark brown, vesicular and sporadically contains chalcopyrite and azurite. Highly weathered, powdery, fine to medium grained granite is present at 12.30~26.00m, the lower portion of which is kaolinized. Dark greenish gray diabase appears at 26.00~31.20m. The boundary with granite is a chilled margin exhibiting white color. Massive sulfide is present at 31.20~37.70m, including green skarn at 32.00~33.40. Polished section (C14-2, 32.30m) includes pyrrhotite, pyrite, sphalerite and magnetite. Silicified granite was seen at 35.15~35.60m. White, fine grained granite is present from 37.70m to the bottom of the hole, containing epidosite along fractures.

MJTY-15: to 35.00m depth

Surface layer is brown soil, changing to reddish brown to brown sedimentary rock at 2.70m depth. Sedimentary rock continues to the bottom of the hole. It is highly weathered throughout,

an argillized at 2.70~7.00m, and 15.00~30.00m. A pale greenish gray silicified rock containing quartz vein disseminated with pyrite was seen at 34.00~35.00m.

MJTY-16: to 30.00m depth

Surface layer is brown soil, changing to yellowish brown, argillized sedimentary rock at 2.70m depth. The sedimentary rock is disseminated with grayish to dark gray sulphide minerals at 15.00~16.90m. A dark brown to brown gossan is present at 18.40~22.00m, and contains magnetite in its middle portion. At 22.00~23.80, geology becomes yellow brown sedimentary rock, then changing to highly kaolinized, white, fine grained two mica granite from 23.80m.

Mineral analysis shows Cu at 0.68% at 15.00~16.90, and 0.43% at 18.40~22.00m.

MJTY-17: to 30.00m depth

Surface layer is reddish brown soil, changing to yellowish brown sedimentary rock at 2.30m depth. A dark brown gossan is present at 4.15~6.10m, containing powdery, highly weathered granite at 4.80~5.40m. Yellowish gray, highly kaolinized, medium to coarse grained granite appears at 6.10~13.30m. Geology becomes gray to brown sedimentary rock at 13.30~16.00m, including a gossan at its upper portion which is disseminated with pyrite. Yellow to white, fine to coarse grained two mica granite is distributed from 16.00m to the bottom of the hole, the lower portion of which is kaolinized.

Upon mineral analysis, the gossan at 4.15~6.10m as divided into upper portion and lower portion by the granite, exhibits Cu and Sn at 0.32% and 0.25%, and 0.79% and 0.092%, respectively. At 13.30~16.00m, Cu and Ag are present at 0.52% and 53~75g/t, respectively.

MJTY-18: to 30.00m depth

Surface layer is reddish brown soil, changing to coarse grained biotite granite at 4.00m. Granite is highly weathered throughout, kaolinized at 26.50~28.30m, and powdery at some portions.

MJTY-19: to 30.00m depth

Surface layer is reddish brown soil, changing to yellowish brown, argillized sedimentary rock at 6.20m depth. At 14.00~14.85, color is dark gray. A dark brown gossan is present at 14.85~16.90. Yellow to white, medium grained two mica granite extends for 16.90m to the bottom of the hole. The upper portion of the granite at 16.90~23.80 is kaolinized.

Results of mineral analysis shows presence at 14.00~14.85m of Pb at 5.87% and Ag at 293g/t, and 14.85~16.90m of Cu at 0.52% and Ag at 63g/t.

MJTY-20: to 47.60m depth

Surface layer is reddish brown soil, changing to highly weathered, yellowish brown, argillized,

medium grained two mica granite at 3.00m depth. A dark brown gossan of schistose structure is present at 10.50~16.50m. Massive sulfide was seen at 16.50~23.50m, containing green skarn at 21.40~23.50m. At 23.50~24.00, pale greenish gray aplitic granite was seen. At 24.00~29.70m, the green skarn contains large amounts of sulphide minerals. Yellowish brown, highly weathered sedimentary rock appears at 29.70~47.60m, changing to silicified rock at 34.60~36.50m.

Mineral analysis shows average grade Cu at 0.28% and 16.50~23.50m in the gossan at 10.50~16.50m, and at 0.30% at 24.00~29.70m.

MJTY-21: to 40.00m depth

Surface layer is reddish brown soil containing quartz and granite gravels. Yellowish brown, argillized sedimentary rock appears at 3.20m. Highly weathered, yellowish white, argillized, fine to medium grained granite appears at 19.00m. Yellowish brown, argillized sedimentary rock is interbedded at 26.00~30.00m. White, fine grained granite extends from 30.00m to the bottom of the hole. Pyrite was seen at 30.00~35.00m along fractures.

MJTY-22: to 30.00m depth

Surface layer is brown to reddish brown soil to 3.10m. Below this from 3.10 to 30.00m is reddish brown to yellow brown, heavily weathered, sandy, coarse grained granite.

MJTY-23: to 30.00m depth

Surface layer is brown soil. Brown, argillized sedimentary rock appears at 2.00m. A dark brown, porous gossan containing copper in small amounts was found at 9.20~11.20m. Powdery, white, medium grained granite which is highly kaolinized appears at 11.20~30.00m.

Mineral analysis shows Pb and Zn at 0.20% and 0.23%, respectively, at 9.20~11.20m.

MJTY-24: to 41.10m depth

Surface layer is brown soil, changing to brown, argillized sedimentary rock at 2.70m. A dark brown, vesicular gossan containing minor amounts of chalcopryrite was found at 3.60~6.30m. 6.30~13.50m is reddish brown to yellowish brown sedimentary rock. 13.50~23.00m is white, medium grained, powdery muscovite granite containing tourmaline. The granite is slightly kaolinized. Brown to dark brown, argillized sedimentary rock with distinct bedding was seen at 23.00~41.10m. 36.50~40.10 is white silicified rock.

Mineral analysis shows Pb and Zn at 0.55% and Zn at 0.56%, respectively, at 3.60~6.30m.

MJTY-25: to 30.00m depth

Surface layer is dark brown soil, changing to yellowish brown to whitish, medium to coarse grained two mica granite at 2.00m, which extends to the bottom of the hole. Granite is weathered throughout, heavily kaolinized, argillized and powdery. Tourmaline was found at its lower portion.

MJTY-26: to 42.35m depth

Surface layer is brown soil, changing to heavily weathered sedimentary rock at 3.00m~21.80m. Rock shows distinct bedding. Greenish gray skarnized sedimentary rock appears at 21.80~24.90m, and is disseminated with small amounts of scheelite and sphalerite at its lower portion. 24.90~27.20m is calcareous sedimentary rock. Greenish gray, skarnized rock disseminated with sphalerite was found at 27.20~29.10m. Massive sulfide was seen at 29.10~32.40m. Polished section (C26-4, 29.40m) contains sphalerite, pyrite and chalcopyrite and tiny amounts of bismuth. 32.40~34.40m is white silicified rock, changing below to granite. Fine to medium grained muscovite granite containing tourmaline appears at 34.40~42.30m, with granularity coarsening with depth. Fine quartz veins were seen at 39.15, 39.90 and 40.15m, disseminated with small amounts of chalcopyrite. Polished section (C26-5, 39.90m) contains sphalerite and galena. Granite is kaolinized at 41.00~42.35m.

MJTY-27: to 30.00m depth

Surface layer is dark brown soil, changing to brown to greenish gray sedimentary rock at 1.10~2.40m. The lower portion of the sedimentary rock is skarnized. Intrusions of gray to white quartz veins are present at 2.40~8.60m. Whit to brown, fine to coarse grained muscovite granite containing tourmaline appears at around 8.60m. Texture becomes coarser with depth. Small tourmaline-quartz veins intrude at 14.20~16.30m.

MJTY-28: to 30.00m depth

Surface layer is brown soil. From 1.50m to the bottom of the hole is yellowish white to white, medium to coarse grained muscovite granite containing tourmaline. Texture coarsens with depth. Rock is kaolinized throughout, and soft.

MJTY-29: to 30.00m depth

Surface layer is reddish brown soil, changing to brown to yellowish brown, argillized sedimentary rock at around 2.50m. Gray, massive sulfide with distinct undulating schistose structure was seen at 14.20~24.30m. Pale yellowish green epidotization is heavy at 24.30~31.60m. Original rock is skarnized rock appearing to be granite. White aplitic granite was seen at 30.00~30.60m. Magnetite accompanies the granite at 30.60~31.60. Polished section (C29-3, 31.10m) contains pyrite, chalcopyrite, and sphalerite. White, fine grained muscovite granite containing tourmaline is present at 31.60~39.00. The upper portion shows the effect of epidote skarnization.

Results of mineral analysis show average grade Cu at 0.66% at 15.00~25.00m.

MJTY-30: to 30.00m depth

Surface layer is reddish brown soil, changing to reddish brown to yellowish brown, argillized sedimentary rock at 1.50m. A reddish brown to brown gossan is present at 21.00~21.50m. 21.50~23.20m is brown sedimentary rock. From 24.40m, geology changes to medium grained

two mica granite containing tourmaline. Granite is partially kaolinized.

MJTY-31: to 30.00m depth

Surface layer is reddish brown soil, changing to white, medium to coarse grained tourmaline granite at 2.50m. Upper portion of granite is highly weathered and powdery. However, lower portion is fresh.

MJTY-32: to 30.00m depth

Surface layer is brown soil, changing to yellowish white sedimentary rock at around 2.90m. White, medium to coarse grained two mica granite appears from 4.20m. Granite is kaolinized and powdery throughout.

MJTY-33: to 30.00m depth

Surface layer is brown soil, changing to brown to yellowish brown, argillized sedimentary rock at around 1.00m. Greenish gray, skarnized limestone appears at 9.50~10.00m. Yellowish brown to white, medium to coarse grained tourmaline bearing muscovite granite is present from 10.00m to the bottom of the hole. A small amount of gossan was seen at 10.00~11.00m. Granite is heavily kaolinized throughout, and powdery.

Results of mineral analysis show Cu at 0.44% and Sn at 0.45% at 9.5~10.00m.

MJTY-34: to 35.00m depth

Surface layer is brown soil. From 2.30 to 22.50m is reddish brown to yellowish brown, argillized sedimentary rock. The lower portion of the sedimentary rock is pale green. At 22.50~35.00m, geology alters to aplitic granite, epidotized at some portions.

MJTY-35: to 30.00m depth

Surface layer is brown soil. From 1.50 to 30.00m is white, coarse grained muscovite granite containing tourmaline. Granite is kaolinized throughout, and powdery.

MJTY-36: to 46.30m depth

Surface layer is brown soil, changing to brown to yellowish brown, argillized sedimentary rock at around 2.70m. Aplitic granite appears at 19.00~20.30m. 20.30~24.20m is brown to pale yellowish brown sedimentary rock, heavily epidotized at its middle portion. 24.20~28.30m is gray sedimentary rock, skarnized with distinct bedding. Yellow brown sedimentary rock appears at 28.30~33.00m, containing a gossan at 31.90~32.40m. A cavity is present at 33.00~36.00m. Sedimentary rock showing heavy green skarnization was seen at 36.00~38.40m, and contains sphalerite and galena. Dark gray massive sulfide is present at 38.40~43.30m, and consists of almost entirely of pyrrhotite. It is disseminated throughout with tiny amounts of chalcopyrite, however, amounts increase towards the lower portion. 43.30~46.30m is medium grained granite with concentrations of chalcopyrite at 43.90~44.00m and 44.15~44.20m.

Polished section (C36-4, 43.90m) contains pyrite, sphalerite, and tiny amount of cobaltite.

Results of mineral analysis show Cu at 0.81% at 21.40~22.60m, Cu at 1.30% at 24.20~26.00m, Pb at 2.43%, Zn at 2.28% and Ag at 195g/t at 36.00~36.50m, and average grade 0.73% at 38.40~43.30m.

MJTY-37: to 49.00m depth

Surface layer is brown to yellowish brown soil, changing to blue gray to yellowish brown, argillized sedimentary rock at around 5.60m. 17.90~45.00m is massive sulfide with distinct schistose structure, and partially mixed with green skarn. Medium to fine grained tourmaline granite is present at 45.00~47.70m. Polished section (C37-7; 47.60m) contains sphalerite and galena. Massive sulfide extends from 47.70m to the bottom of the hole, and contains chalcopyrite and pyrite.

Results of mineral analysis show Zn at 9.58% at 17.90~18.70 and average grade Cu at 0.51% at 17.90~45.00m.

MJTY-38: to 30.00m depth

Surface layer is reddish brown soil. Pale brown to white, coarse grained biotite granite was found from 3.00m to the bottom of the hole. The granite is heavily weathered throughout, partially powdery, and contains large crystals of K-feldspar.

MJTY-39: to 30.00m depth

Surface layer is brown soil, changing to yellowish brown to yellowish white, argillized sedimentary rock at 1.00~15.00m. Sedimentary rock mixed with gossan was found at 15.00~20.70m. A dark brown, porous gossan was seen at 20.70~27.30m. Greenish gray sedimentary rock is found at 27.30~28.30m and partially contains a gossan. Gray to dark gray skarnized sedimentary rock was found at 29.50~31.70m. Pale brown, fine grained muscovite granite containing tourmaline is present at 31.70~34.50m.

Results of mineral analysis show average grade Ag at 130g/t at 15.00~20.70m, average grade Pb at 1.70% and Ag at 213g/t at 20.70~27.30m, and Zn at 4.13% and average grade Cu 0.85% at 25.00~31.70m.

MJTY-40: to 38.70m depth

Surface layer is brown soil changing to reddish brown to yellowish brown, argillized sedimentary rock at 1.50m. A reddish brown gossan is present at 29.70~31.60m. Geology changes to white, medium grained muscovite granite containing tourmaline at 32.90m. Under half the granite shows kaolinization.

Results of mineral analysis show Cu at 0.35% at 29.70~31.60m.

MJTY-41: to 30.00m depth



Surface layer is brown soil. Reddish brown, coarse grained biotite granite extends from 2.00m. At the mid and bottom portions of the hole, geology is muscovite granite containing tourmaline, including partial silicification. Upper portion is highly weathered and crumbly.

MJTY-42: to 33.00m depth

Surface layer is brown soil, changing to reddish brown, clayey sedimentary rock at 2.60m. Greenish brown to gray, skarnized sedimentary rock was found at 17.20~32.10m, partially disseminated with sphalerite and chalcopyrite. Granitic veins were seen at 31.40~31.70m. White, fine to medium grained muscovite granite appears at 32.10~33.00m.

Results of mineral analysis show average grade Cu at 3.74%, Pb at 2.61%, Zn at 3.60% and Ag at 182g/t at 17.20~20.00m.

MJTY-43: to 50.00m depth

Surface layer is brown soil, changing to reddish brown to yellowish white, clayey sedimentary rock at 1.30m. Dark brown gossan is found at 24.40~25.30m. Gray, massive sulphide ore is seen at 25.30m. Gray, massive sulphide ore was seen at 25.30~30.40m, and is sporadically disseminated with mainly pyrrhotite, as well as sphalerite, pyrite and chalcopyrite. Green skarn is abundant at 33.80~35.00m. Intercalation of aplitic granite occurs at 47.70~48.70m. White aplitic granite is distributed below 48.70m to 50.00m.

Results of mineral analysis show Zn at 7.82% at 25.30~26.30m, average grade Cu at 0.48% and Ag at 54g/t at 25.30~29.50m, average grade Cu at 0.52% at 35.00~47.70m, average grade Zn at 5.88% at 37.00~39.20m, and Zn at 4.26% at 42.60~44.70m.

MJTY-44: to 30.00m depth

Surface layer is reddish brown soil, changing to yellowish brown, clayey sedimentary rock at 1.00m with distinct schistose structure. White, medium grained muscovite granite extends from 25.20 to 30.00m.

MJTY-45: to 30.00m depth

Surface layer is brown to yellowish brown soil. Yellowish brown to white, medium to coarse grained biotite granite was found at 1.40~30.00m.

MJTY-46: to 30.00m depth

Surface layer is dark brown soil. Yellowish brown to white, medium to coarse grained biotite was found at 1.00~30.00m. The upper portion is kaolinized. The lower portion changes to aplitic granite.

MJTY-47: to 30.00m depth

Surface layer is gray soil. White, fine to medium grained tourmaline granite extends 1.70~30.00m. Granite is heavily kaolinized, sericitized and crumbly throughout. Lower portion is coarse grained.

Results of mineral analysis show Sn at 100~120ppm, W at 40~60ppm, Nb at 44~52ppm and Ta at 17~25ppm.

MJTY-48: to 30.00m depth

Surface layer is brownish gray soil. White, fine to medium grained tourmaline granite extends 1.70~30.00m. Granite is kaolinized, sericitized and crumbly throughout. Lower portion is coarse grained.

Results of mineral analysis show Sn at 11~130ppm, W at 20~40ppm, Nb at 31~39ppm and Ta at 14~19ppm.

MJTY-49: to 30.00m depth

Surface layer is brownish gray soil. Grayish white, medium to coarse grained tourmaline bearing muscovite granite extends 1.70~30.00m. Granite is kaolinized and sericitized. Lower portion is fine grained. Granite is crumbly to around 26.00m.

Results of mineral analysis show Sn at 60~120ppm, W at 30~70ppm, Nb at 36~91ppm and Ta at 14~28ppm.

MJTY-50: to 30.00m depth

Surface layer is brownish gray soil. Grayish white, fine to medium grained tourmaline bearing muscovite granite extends 1.00~30.00m. Upper portion of granite is kaolinized and sericitized, crumbly soft rock. Lower portion is fresh, hard rock.

Results of mineral analysis show Sn at 100~110ppm, W at 60~110ppm, Nb at 46~50ppm and Ta at 19~21ppm.

MJTY-51: to 35.00m depth

Surface layer is reddish brown soil, changing to yellowish brown, clayey sedimentary rock at around 6.00m. Fine, tourmaline bearing muscovite granite extends 14.50~30.00m. Upper portion is aplitic. Granite is heavily weathered and crumbly throughout.

MJTY-52: to 45.00m depth

Surface layer is reddish brown soil, changing to yellowish brown to greenish gray, clayey sedimentary rock at around 0.80m. Intrusions of diabase veins were seen at 36.00~36.40m, 38.20~38.40m, 40.70~42.20m. Greenish gray, skarnized sedimentary rock appears at 42.20~43.00m. Intrusion of granite was seen at 43.00~43.50m. Silicified rock is present at 43.50~44.00m. Rock is skarnized at 39.00~40.70m and 43.50~44.00m. Pale gray tourmaline granite is present at 44.00~45.00m.

Results of mineral analysis show Zn at 0.058~0.20% in the skarnized portion.

MJTY-53: to 35.00m depth

Surface layer is dark brown soil, changing to yellowish brown, clayey sedimentary rock

at around 0.80m. Greenish gray, skarnized sedimentary rock appears at 9.80~17.00m. Gray, massive sulphide ore is present at 17.00~21.30m, disseminated mainly with pyrrhotite, as well as sphalerite, chalcopyrite and pyrite. White, medium to coarse grained tourmaline bearing muscovite granite is present at 21.30~35.00m.

Results of mineral analysis show average grade Zn at 3.45% at 9.80~17.00m, and average grade Cu at 0.61% at 17.00~20.00m.

MJTY-54: to 75.00m depth

Surface layer is reddish brown soil. Gray, fine grained crystalline limestone, with 40° bedding dip is present at 3.75~35.50m. Greenish gray, skarnized, sedimentary rock appears at 35.50~42.10m, disseminated with sphalerite and scheelite. Brownish white, massive sulphide ore was seen at 42.10~60.95m. Polished section (C54-3, 58.50m) contains sphalerite, pyrite, chalcopyrite and tiny amounts of bismuth. Green, skarnized and silicified sedimentary rock at 60.95~67.05m contains scheelite and magnetite in addition to sulphide ore. Polished section (C54-4, 62.30) contains sphalerite and chalcopyrite. White, medium grained granite, slightly kaolinized and sericitized, was found at 67.05~75.00m.

Results of mineral analysis show Zn at 3.46% and Ag at 95g/t at 36.40~36.80m, average grade Zn at 1.30% at 39.70~40.40m and average grade Cu at 0.49% at 42.10~67.05m.

MJTY-55: to 75.30m depth

Surface layer is brown soil. Gray, fine grained crystalline limestone is present at 4.00~49.50m. A cavity was encountered at 49.50~56.50m. Greenish gray, skarnized, sedimentary rock appears at 56.50~61.15m, disseminated with small amounts of sphalerite. Gray, fine grained crystalline limestone is present at 61.15~62.50m. Pale gray, silicified limestone appears at 62.50~68.20m. Skarnized sedimentary rock disseminated with a small amount of sphalerite is distributed at 68.20~74.70m. White, medium to coarse grained biotite granite was found at 74.70~75.30m.

Results of mineral analysis show average grade Zn at 1.01% and Ag at 69g/t at 58.20~61.15m.

MJTY-56: to 37.00m depth

Surface layer is brown soil. Reddish brown to yellowish brown sedimentary rock appears at 3.00~27.10m. The rock is almost completely argillized due to the effects of heavy weathering. A dark brown, vesicular gossan is contained at 6.70~10.50m. Medium grained biotite granite was found at 34.20~37.00m.

Results of mineral analysis show Cu at 0.59% and Ag at 53g/t at 6.70~10.50m, and average grade Zn at 1.105% at 29.00~33.00m.

## 2-3 Result of the drilling survey

### 2-3-1 Geology

Triassic biotite granite and Cretaceous two mica granite are exposed in the area, and Cambrian to Carboniferous sedimentary rocks are scattered as small roof pendants on these granite masses (Fig. 11 to 18).

Biotite granite covers a wide portion of the eastern part of the area, forming a batholith mass and including characteristic megaphenocryst of K-feldspar 2 to 4 cm in width. Two mica granite is distributed in the central part of the area as stock-like lenticular rock mass extending NNW-SSE, and including characteristic primary muscovite.

The sedimentary rocks are composed mainly of mudstone and shale, and a minor amount of limestone and quartzite. These rocks are strongly weathered, resulting in the original rock texture being illegible. The roof pendants of these sedimentary rocks are 500x500 m and 300x600 m on a large scale, and 50x50 m to 150x200 m in width on a small scale. The thickness of them is generally 30 to 50 m, or partially more than 50 m.

Skarnization was found along the boundary between granite and sedimentary rocks, and in the sedimentary rocks in the drill cores. Skarn minerals consist mainly of epidote, hedenbergite, amphibole, garnet, quartz and a minor amount of vesuvianite and wollastonite.

Sericitization, silicification, tourmalinization and skarnization are visible alterations in granites. It could be seen under microscope that biotite has been chloritized, and feldspar sericitized and kaolinized. Kaolinization is predominant in the alteration with a subordinate amount of sericitization, tourmalinization and silicification. Silicification is usually found along the boundary between granite and sedimentary rocks several meters in thickness.

Weathering has led to the decomposition and disintegration of the original rock mass to depths of scores of meters all over the area. The sedimentary rocks have been altered into clayey rock and massive sulfide composed mainly of pyrrhotite has been strongly oxidized to become gossans consisting mainly of goethite. The granitic rocks have also been greatly weathered to form decomposed soil to depths of 10 to 20 m.

### 2-3-2 Ore deposits

Mineralization was found along the boundary between granite and sedimentary rocks and in the sedimentary rocks. Contact metasomatic ore deposit has been formed here, replacing limestone or calcareous rocks. Since one small quartz vein, 1 cm in width, observed in granite contains chalcopyrite at a depth 39.90m of the drill hole MJTY-29, there is a possibility that there are vein type ore deposits besides contact metasomatic deposits.

There are two kinds of orebodies in skarn, one is the dissemination of sphalerite and chalcopyrite, another a massive sulfide composed of abundant pyrrhotite with a minor amount of chalcopyrite. Mineralization is observed in almost all the sedimentary rocks of roof pendants, and is scattered in more than 3km long and 200 to 300m in width strips, extending towards the north-northwest from the center of this area to the northern limestone area.

The drill hole MJTY-54 has shown the presence of a considerable skarn zone and massive sulfide beneath the limestone at 1km north of Area C. This suggests that mineralization is of a higher grade in a NNW direction.

It was clarified in this drilling survey that an individual orebody is lenticular and untraceable, 20 x 20m to 70 x 100m wide and 3 to 27m thick. Three orebodies can be traced in neighboring drill holes MJTY-14, 20, MJTY-36, 37 and MJTY-26, 53. Ore minerals consist mainly of sphalerite, chalcopyrite, pyrrhotite, magnetite and a minor amount of galena, covellite, arsenopyrite, and silver and bismuth minerals. Although tin together with tungsten indicated geochemically high anomalous values, and the chemical analytical values of the drill cores also showed the same amount of values, tin minerals could not have been detected by microscopic observation and EPMA qualitative analyses.

In the niobium and tantalum geochemical anomalous zone, strong kaolinization more than 30m thick was detected, but the niobium and tantalum contents of the drill cores were equivalent geochemical anomalous values.

#### 2-4 Result of Chemical analyses

In this survey, ore assay was performed for 209 ore samples collected from drill cores. Assayed components were Cu, Pb, Zn, Sn, W, Nb, Ta, Au, Ag. Cd was also assayed for 65 samples which contained more than 0.5% of Zn. The results of the analysis are shown in Appendix 7.

**Cu** : The highest assay value of Cu was 5.34% covering from 18.30 to 20.00m depth, in green skarn, in the drill hole MJTY-42. Generally, the Cu content of the mineralized rocks was 0.2 to 0.8%.

**Pb** : The highest assay value of Pb was 11.6% in the extent from 18.30 to 20.00m depth, in green skarn, in the drill hole MJTY-42. But only a few samples contain more than 1%. Generally, the Pb content of the mineralized rocks was lower than 0.1%.

**Zn** : The highest assay value of Zn was 13.3% in the extent from 29.50 to 30.50m depth, in green skarn, in the drill hole MJTY-39. Generally, the Zn content of the mineralized rocks was 1 to 4%.

**Cd** : The assay values were 0.01 to 0.2% in the samples containing more than 0.5% of Zn.

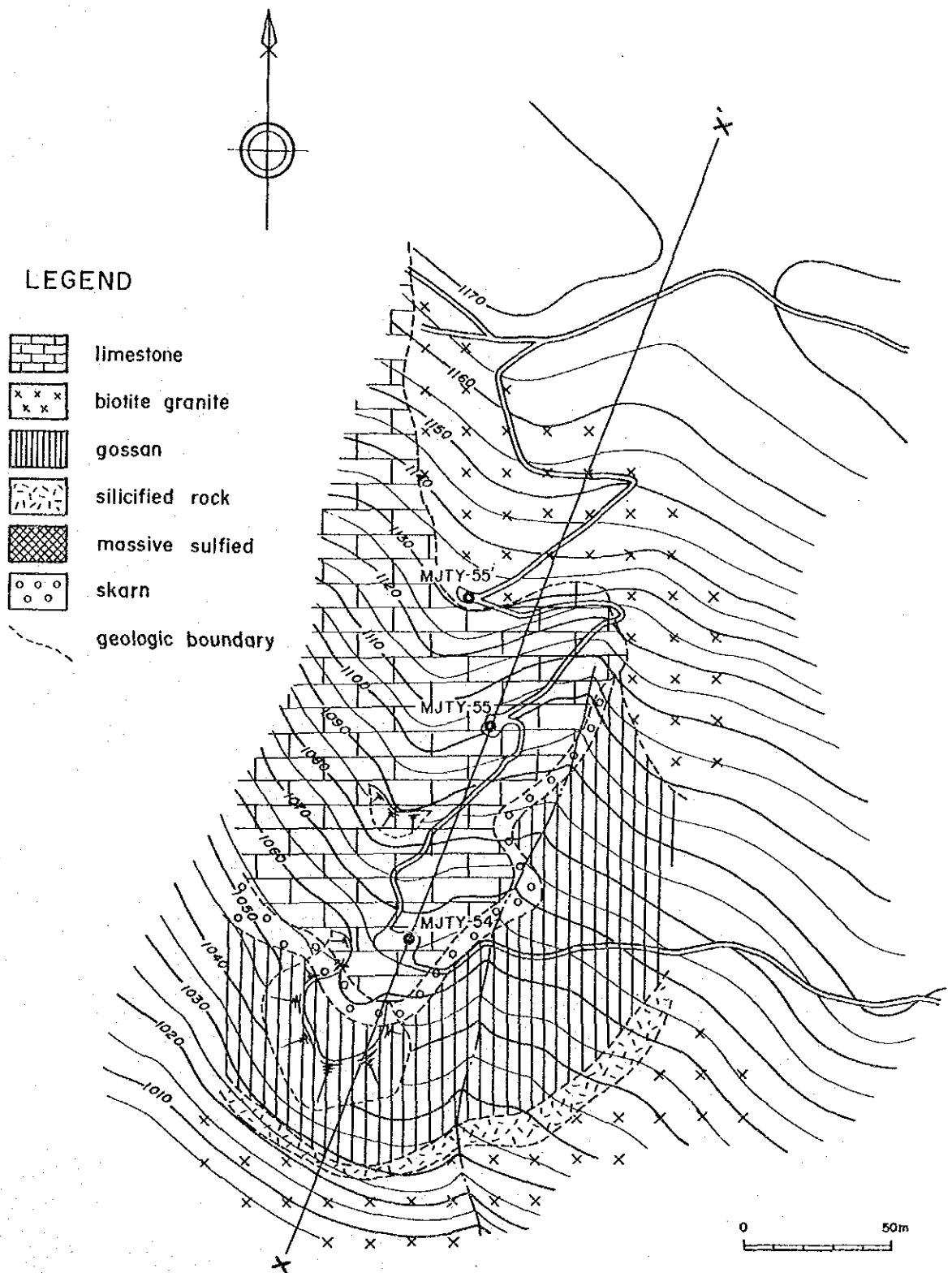


Fig.11 Geologic map of north limestone area

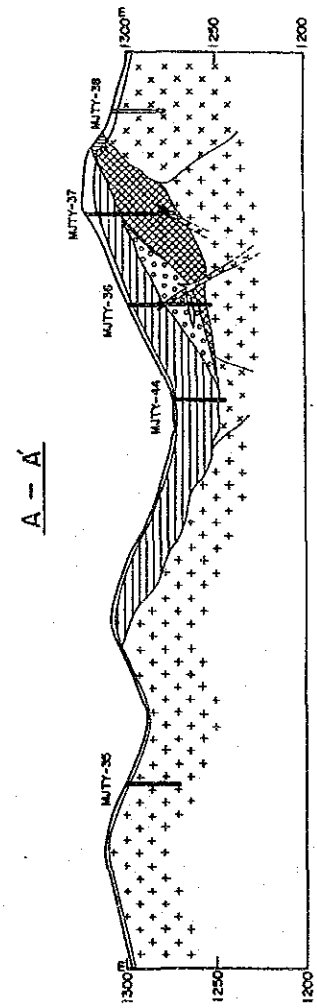
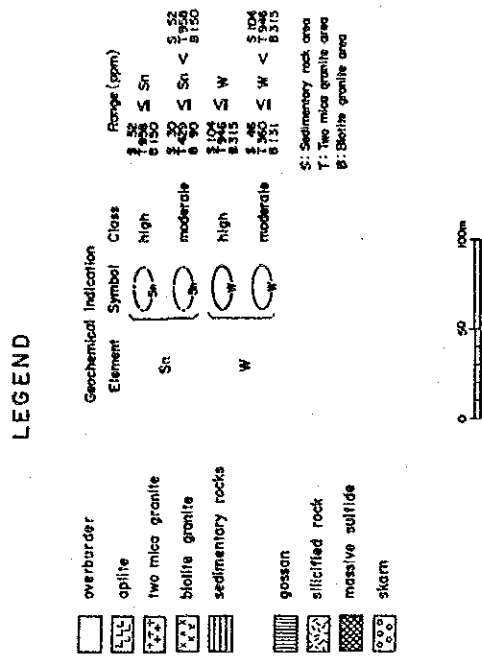
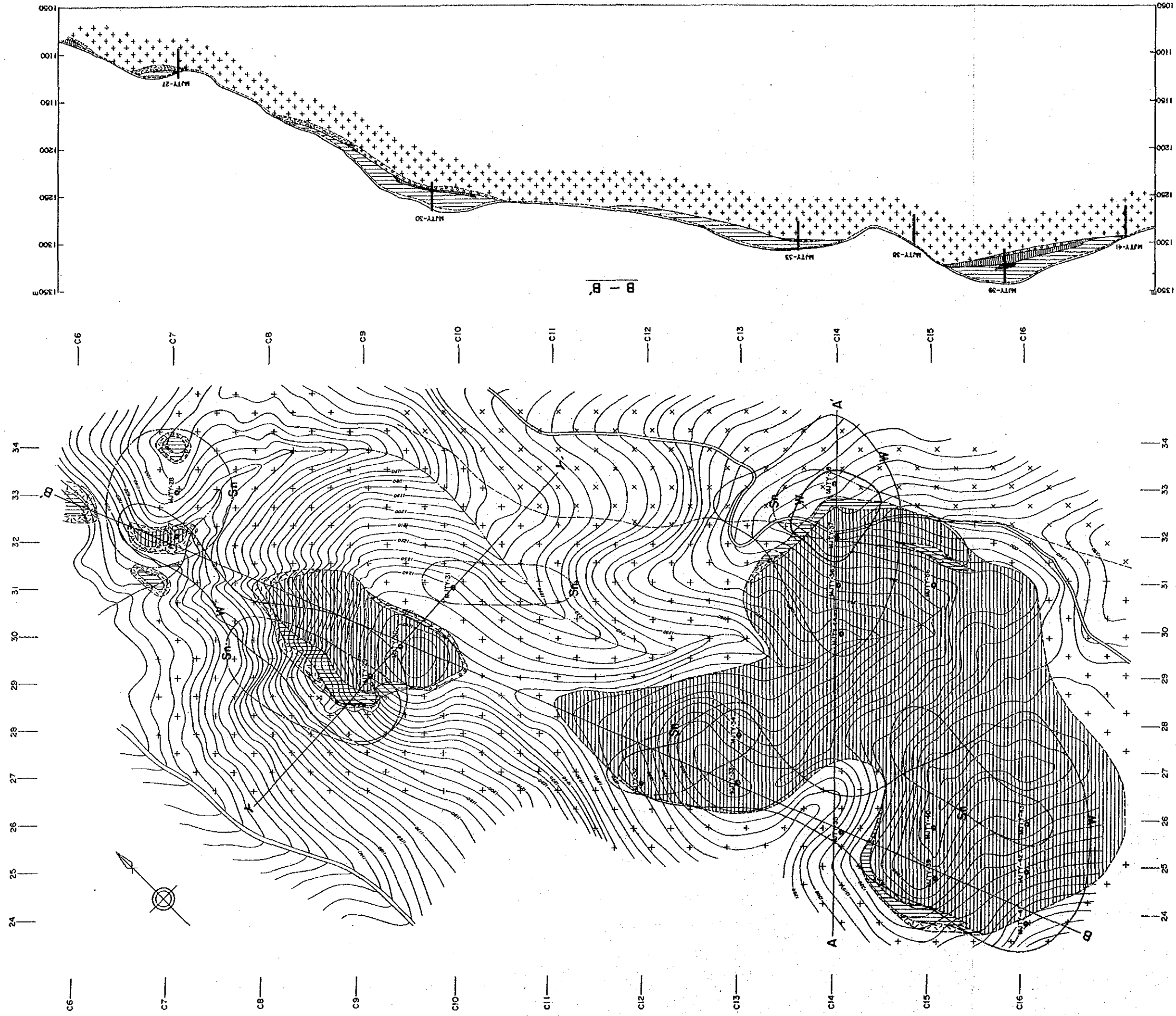
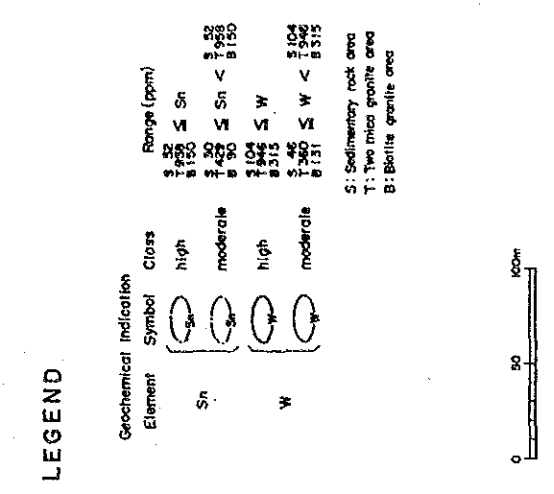
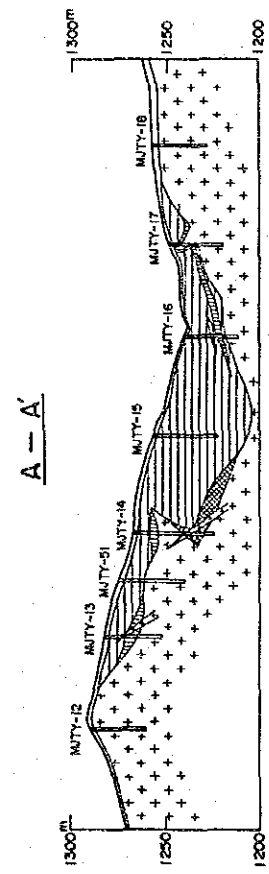
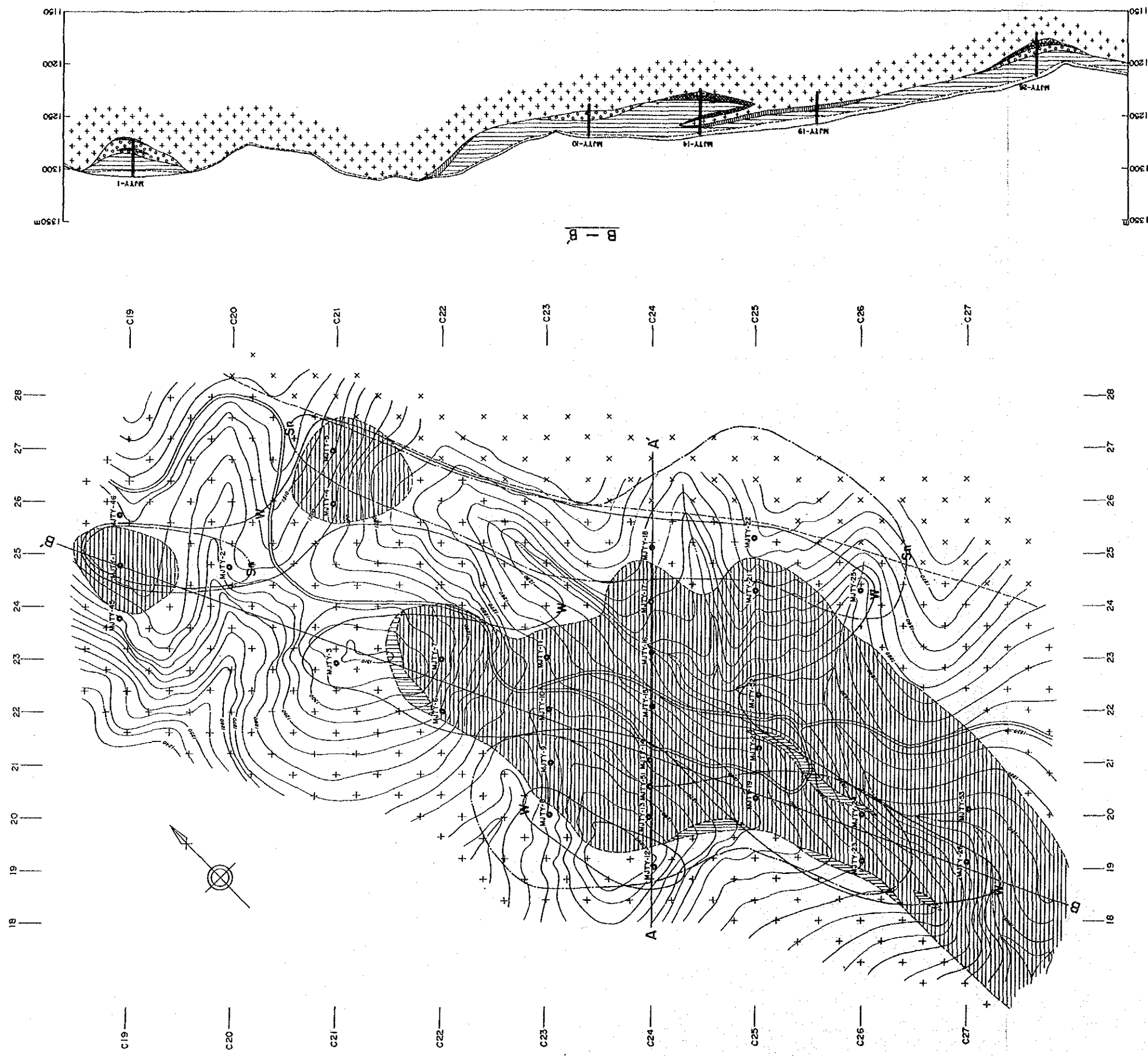


Fig.12 Geologic map of the north Area C



**LEGEND**

overburden	diabase	two mica granite	biotite granite	sedimentary rocks	gossan	silicified rock	massive sulfide	skarn
Geochemical indication	Element	Symbol	Class	Range (ppm)				
	Sn	○ <sub>Sn</sub>	high	1150 < Sn < 1950				
	Sn	○ <sub>Sn</sub>	moderate	1950 < Sn < 3150				
	W	○ <sub>W</sub>	high	104 < W < 315				
	W	○ <sub>W</sub>	moderate	315 < W < 1040				

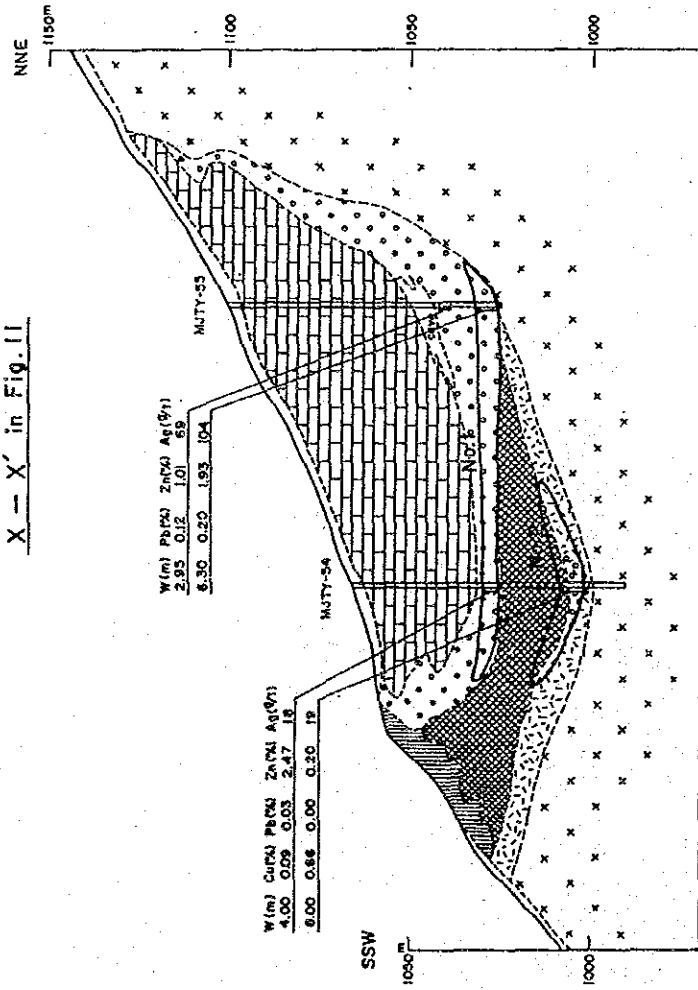
S: Sedimentary rock area  
 T: Two mica granite area  
 B: Biotite granite area

0 50 100m

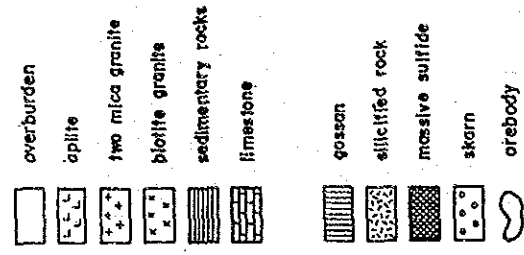
Fig.13 Geologic map of the central Area C



X - X' in Fig. 11



LEGEND



Y - Y' in Fig. 12

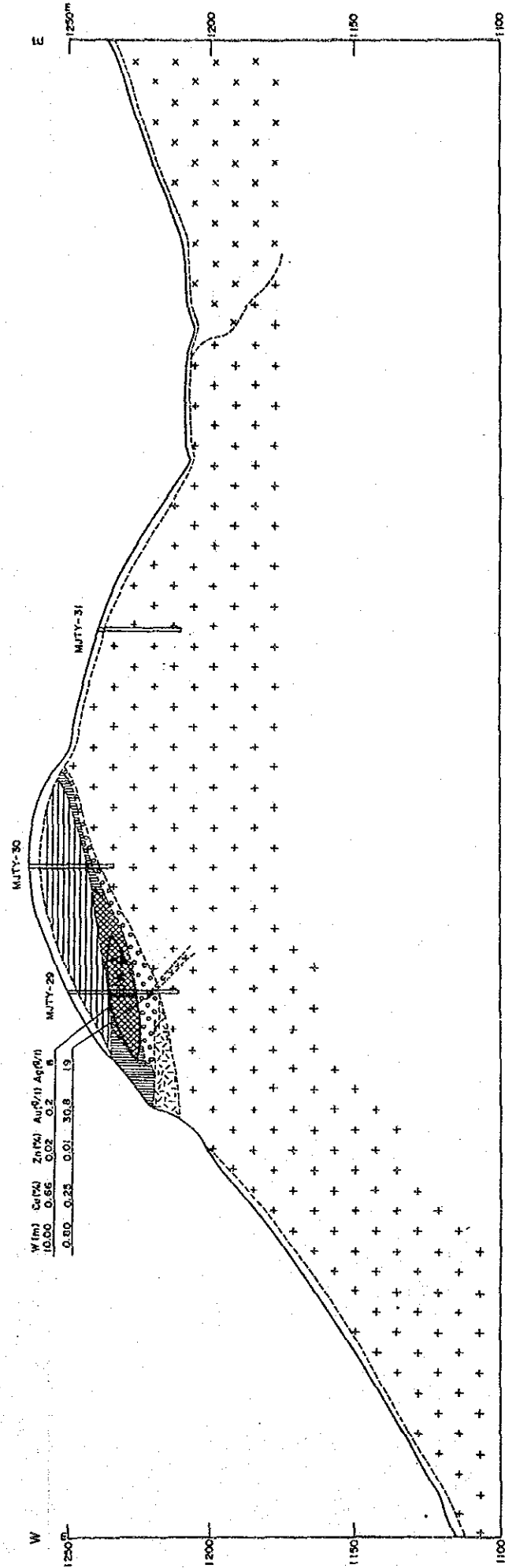
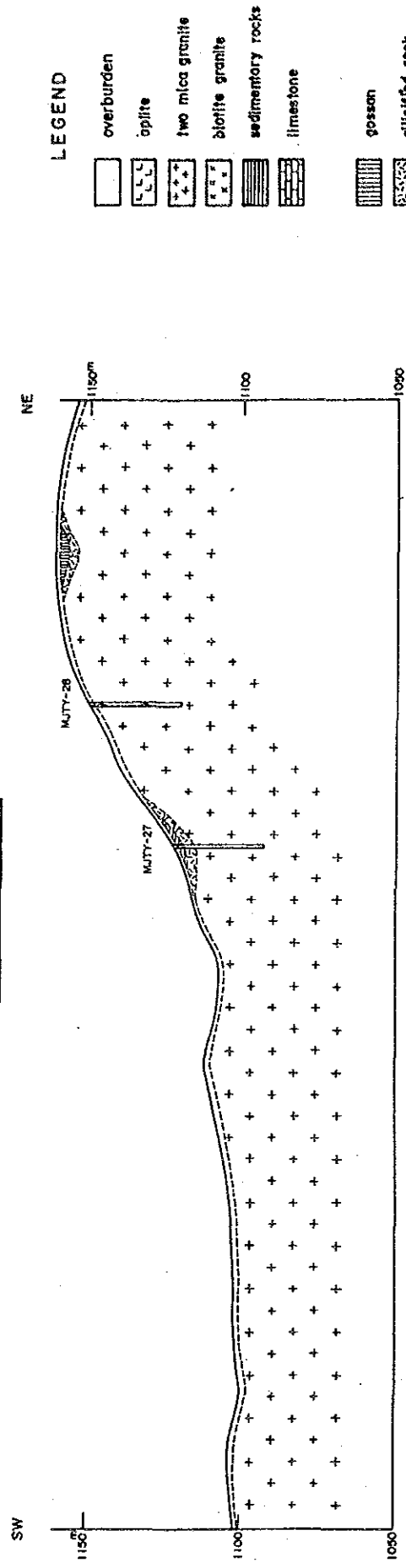


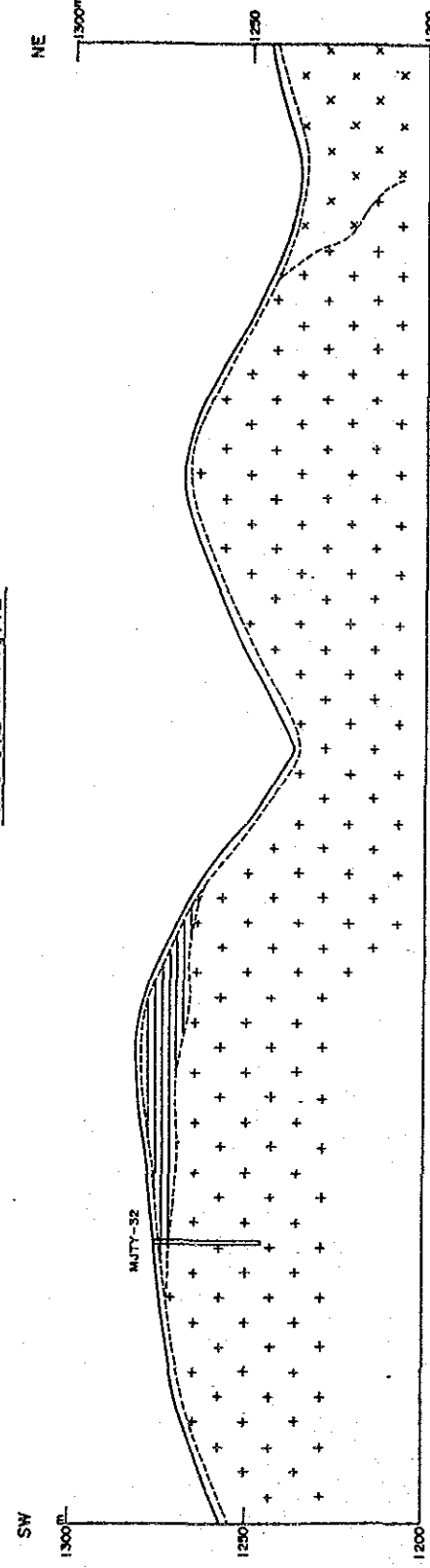
Fig.14 Geologic profile of drilling (1)

Line C7 in Fig. 12

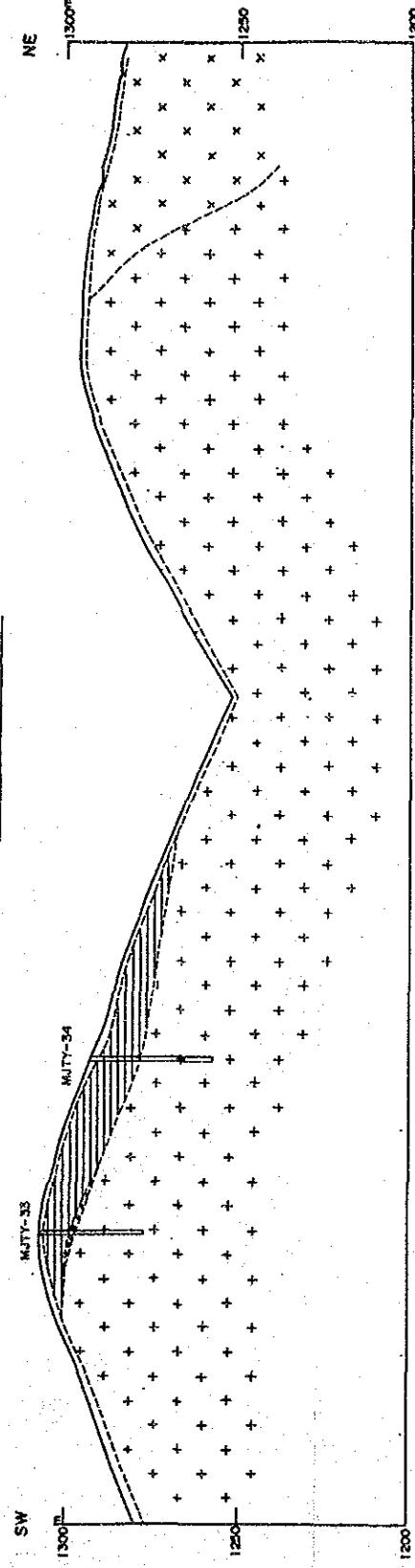


- LEGEND
- overburden
  - opilite
  - two mica granite
  - biotite granite
  - sedimentary rocks
  - limestone
  - gossan
  - silicified rock
  - massive sulfide
  - skarn
  - orebody

Line C12 in Fig. 12



Line C13 in Fig. 12



Line C14 in Fig. 12

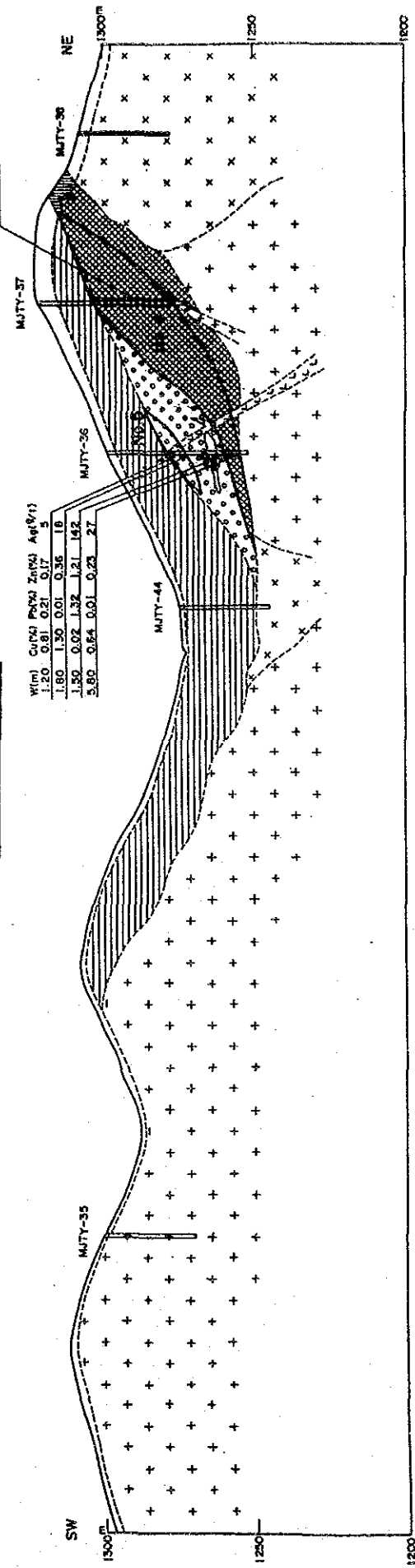
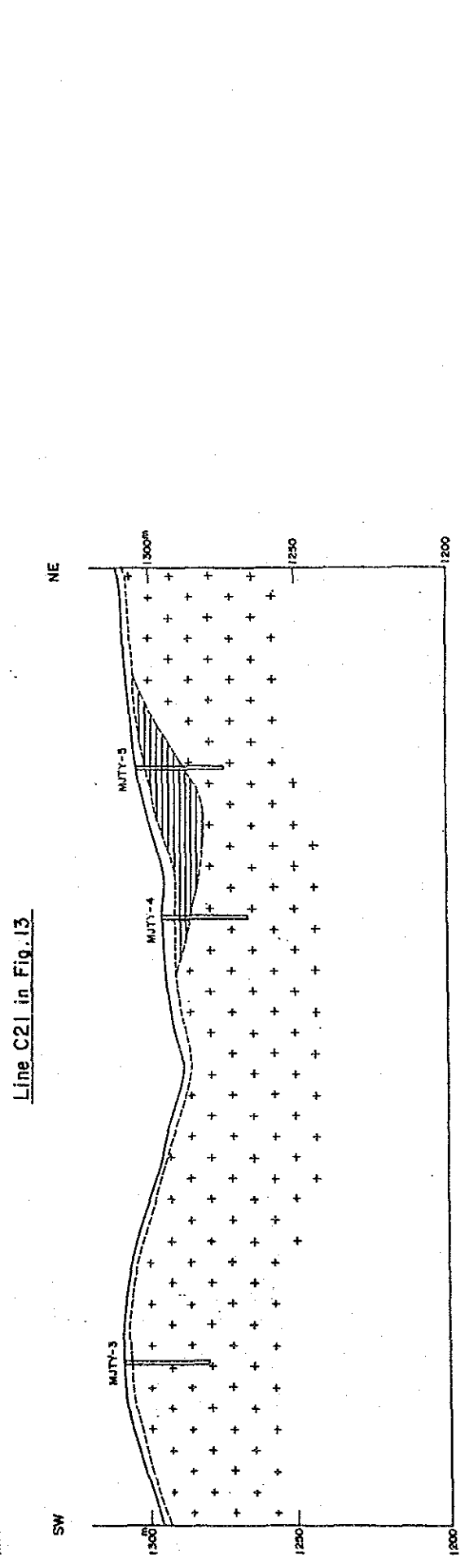
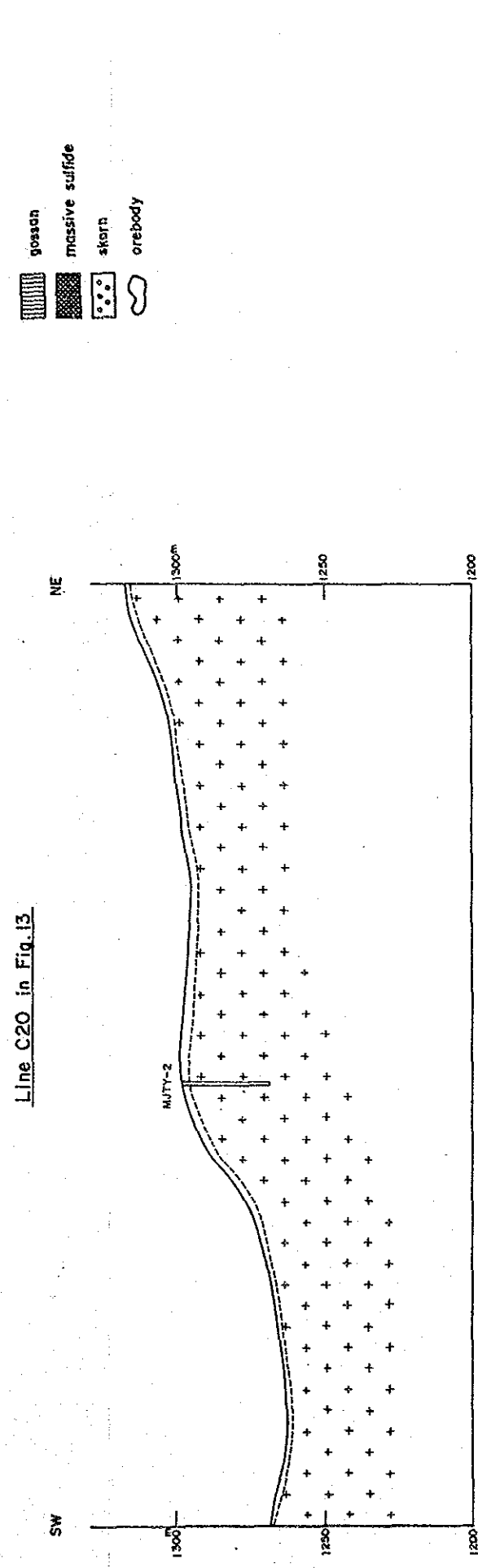
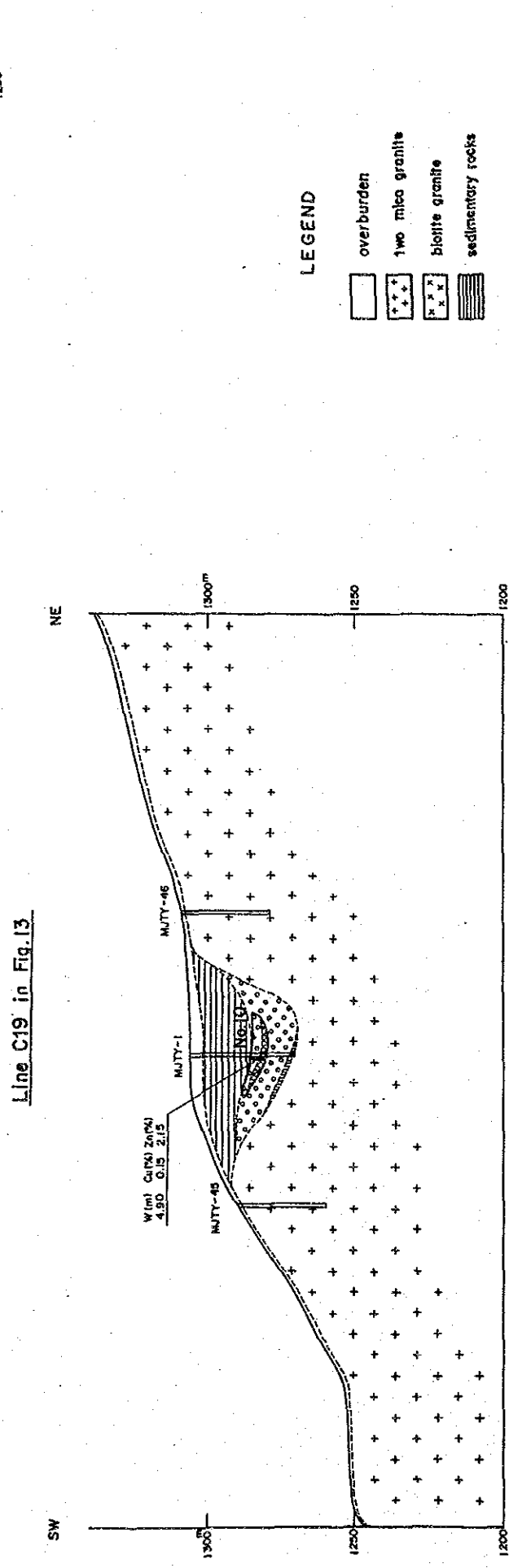
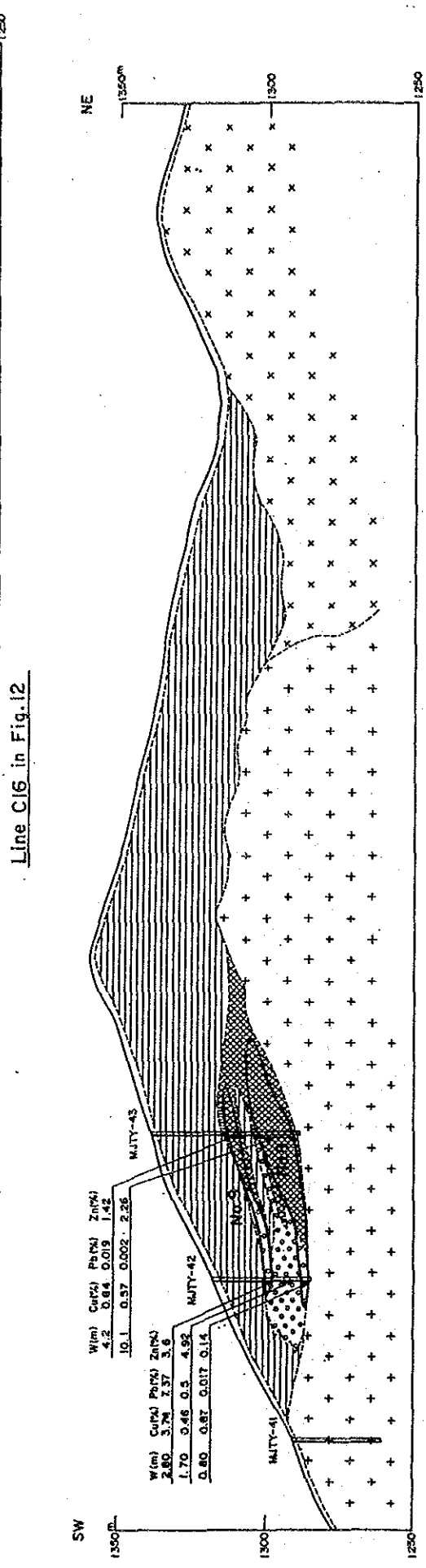
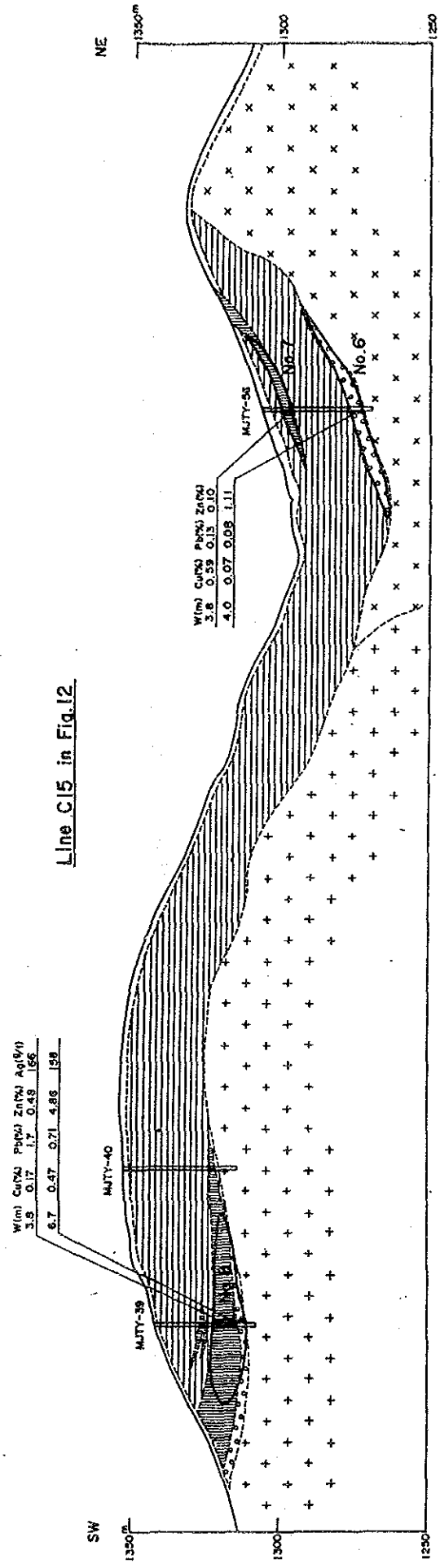


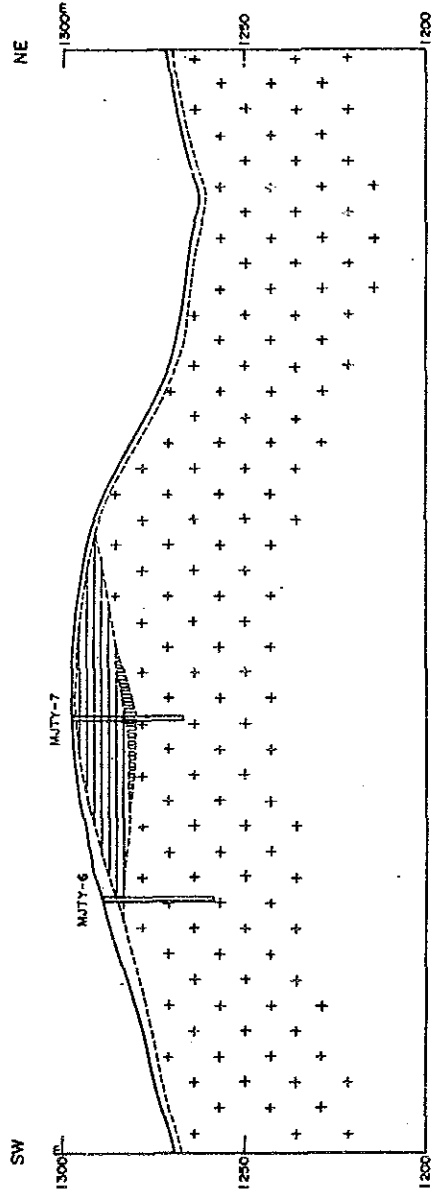
Fig. 15 Geologic profile of drilling (2)



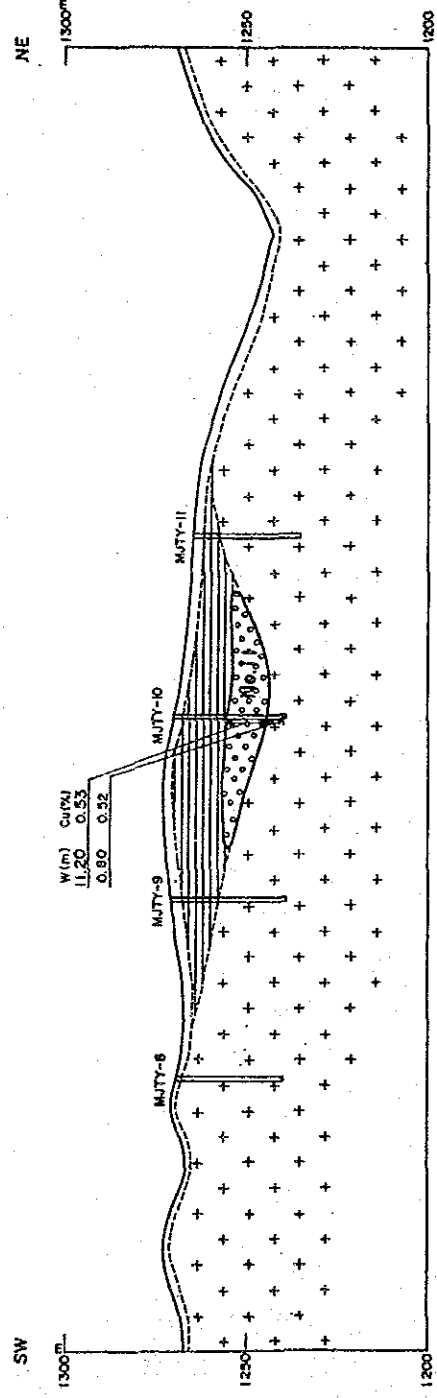
- LEGEND
- overburden
  - two mica granite
  - biotite granite
  - sedimentary rocks
  - gossan
  - massive sulfide
  - skarn
  - orebody

Fig.16 Geologic profile of drilling (3)

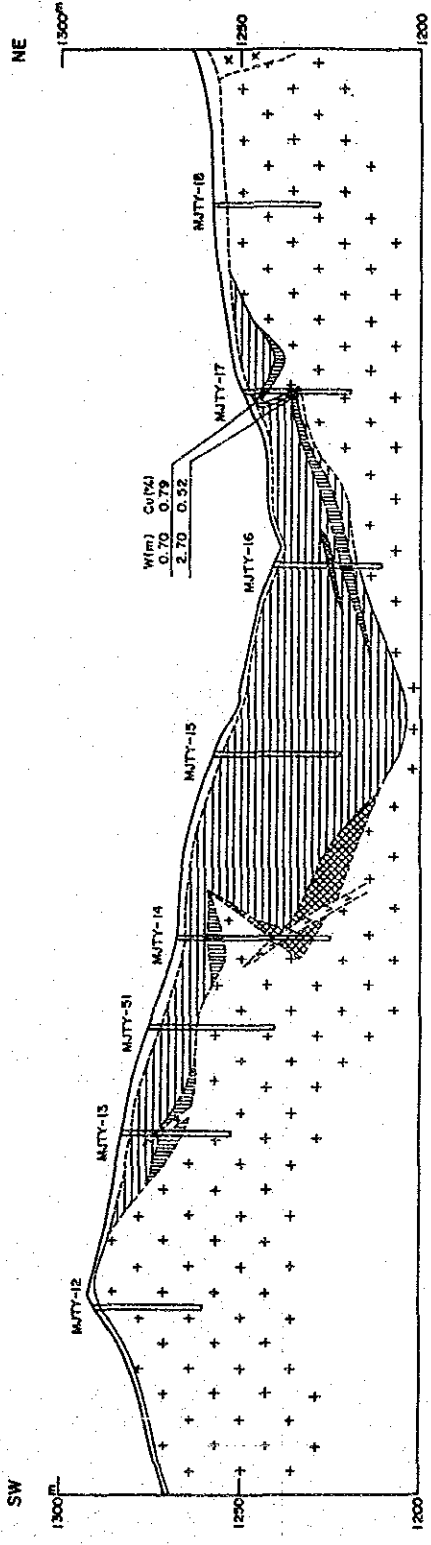
Line C22 in Fig.13



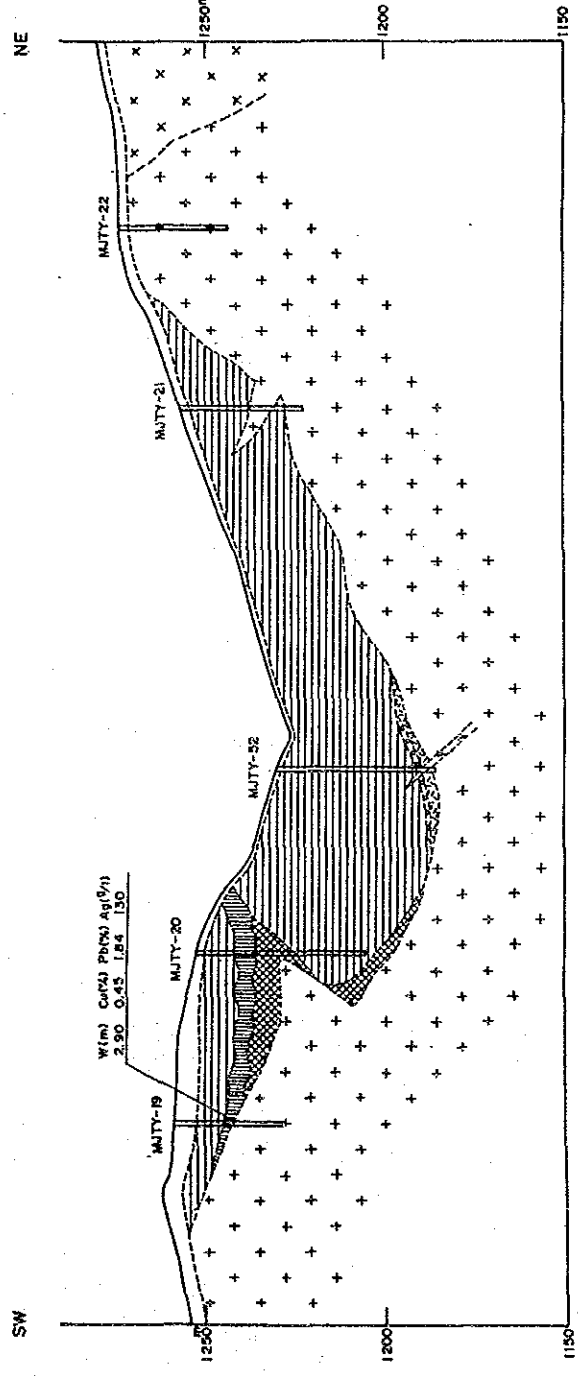
Line C23 in Fig.13



Line C24 in Fig.13



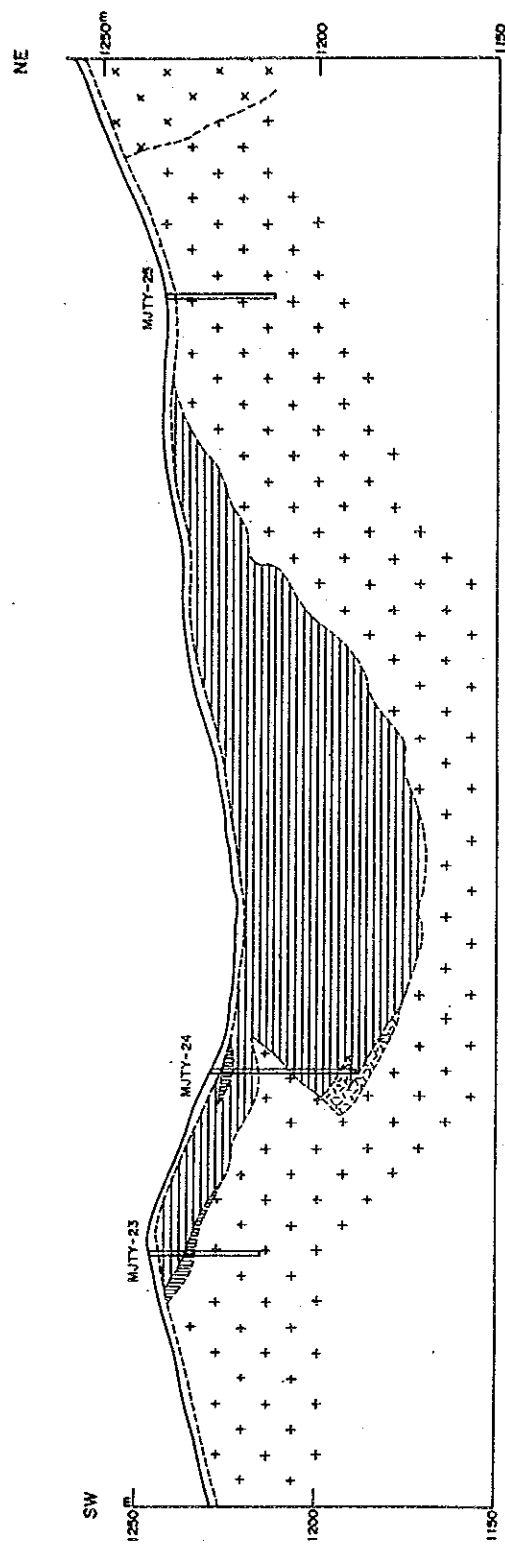
Line C25 in Fig.13



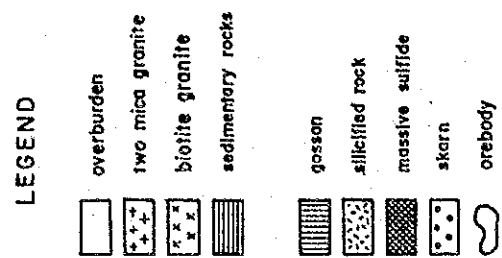
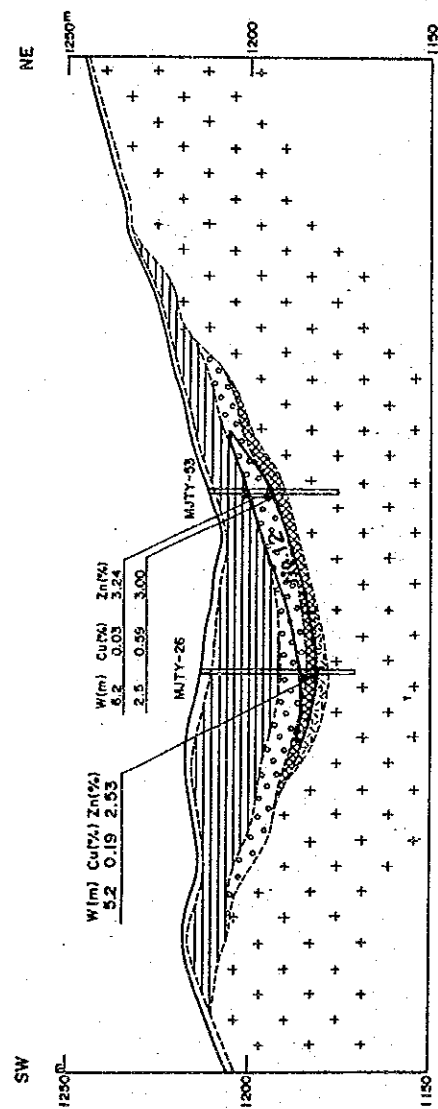
- LEGEND
- overburden
  - diabase
  - two mica granite
  - biotite granite
  - sedimentary rocks
  - gossan
  - silicified rock
  - massive sulfide
  - skarn
  - orebody

Fig.17 Geologic profile of drilling (4)

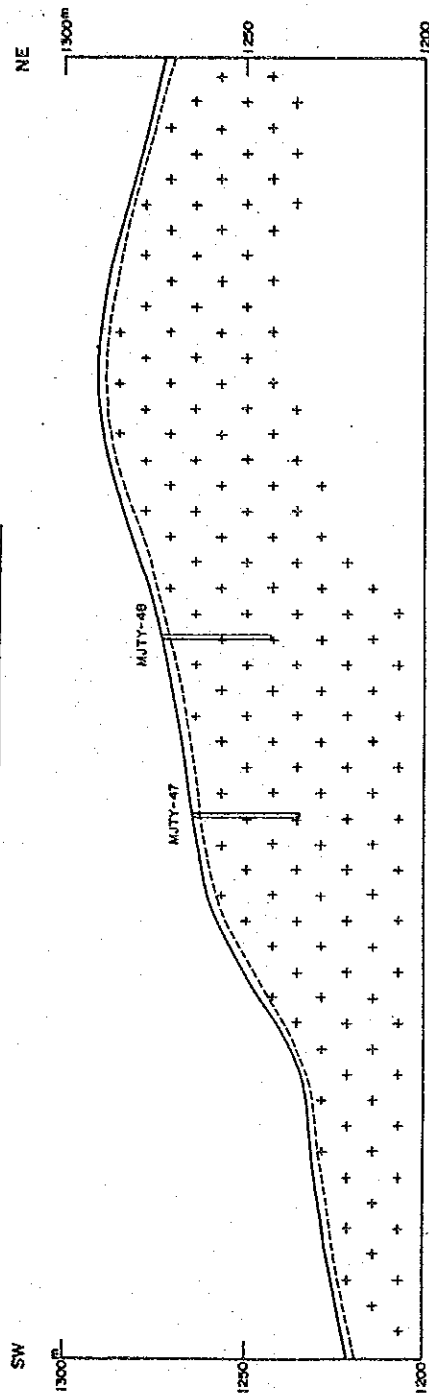
Line C26 in Fig. 13



Line C27 in Fig. 13



Line C41 in Fig. 10



Line C42 in Fig. 10

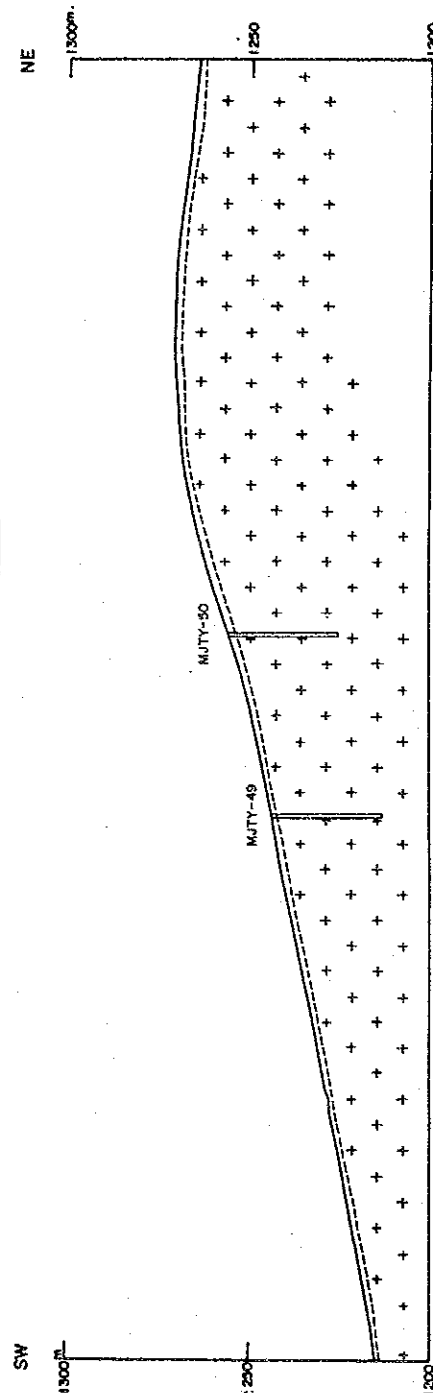


Fig. 18 Geologic profile of drilling (5)





Table 9 Results of X-ray diffraction (Area C)

No.	Sample No.	Hole No. (Depth)	Sample Name	sh	cp	sp	po	py	gn.	mag	goe	il	bi	kf	pl	qz	gt	hd	ep	ca	ch	mu	ser	ve	ka
1	C14-4	MJY-14 (35.50m)	Skarnized granite ~ sulphide disseminated skarn			○	○	○							• ?	○	•		•					○	○
2	C20-4	MJY-20 (25.30m)	Silicic garnet skarn (banded)	○		○		○							○	○	○		○		○		○		
3	C29-3	MJY-29 (31.10m)	Massive sulphides					⊙		○									○						• ?
4	C36-4	MJY-36 (43.90m)	Sulphide disseminated green skarn		⊙			○	○							○									○
5	C37-6	MJY-37 (47.10m)	Sulphide disseminated green skarn			○			○							○			•	•					
6	C53-1	MJY-53 (17.10m)	Sulphide disseminated green skarn		○	⊙		⊙		○															• ?
7	C54-3	MJY-54 (58.50m)	Massive sulphides		○		⊙																		
8	C56-1	MJY-56 (10.00m)	Gossan													○									

Abbreviation : sh; scheelite, cp; chalcopyrite, sp; sphalerite, po; pyrrothite, py; pyrite, gn; galena, mag; magnetite, goe; goethite, il; ilmenite, bi; biotite, kf; k-feldspar, pl; plagioclase, qz; quartz, gt; garnet, hd; hedenbergite, ep; epidote, ca; calcite, ch; chlorite, ser; sericite, ve; vesuvianite, ka; kaolinite

Symbols : ⊙ : abundant, ○ : common, ○ : rare, • : trace



Table 10 Results of EPMA qualitative analysis (Area C)

No.	Sample No	Hole No. (Depth)	Sample name	Elements														Minerals										
				Mg	Al	Si	S	Ca	Ti	Mn	Fe	Co	Cu	Zn	As	Zr	Nb		Ag	Sn	Ta	W	Pb	Bi				
1	C 1-1	MJTY-1 (22.60m)	Sphalerite disseminated green skarn																						Sphalerite			
2																											Galena	
3	C14-4	MJTY-14 (35.50m)	Sulfide disseminated green skarn (banded)																							Sphalerite		
4																											Chalcocopyrite	
5																												Pyrite
6	C26-4	MJTY-26 (29.40m)	Green skarn-sulfide boundary																							Pyrite		
7																											Chalcocopyrite	
8																												Bismuth mineral
9																												Wolframite
10	C26-5	MJTY-26 (39.90m)	Quartzvein in granite																							Chalcocopyrite		
11																											Chalcocopyrite	
12																												Sphalerite
13																												Chalcocopyrite
14																												Galena
15	C29-1	MJTY-29 (18.80m)	Sulfide-bearing green skarn																							Sphalerite		
16																											Chalcocopyrite	
17																												Pyrite
18	C36-4	MJTY-36 (42.90m)	Sulfide disseminated green skarn																							Chalcocopyrite		
19																											Pyrite	
20																												Sphalerite
21																												Cobaltite
22	C37-7	MJTY-37 (47.60m)	Sulfide disseminated green skarn																							Chalcocopyrite		
23																											Pyrite	
24																												"
25																												"
26																												"
27																									Scheelite			
28	C53-1	MJTY-53 (17.10m)	Sulfide disseminated green skarn																							Chalcocopyrite		
29																											Pyrite	
30																												Pyroxene
31																												Sphalerite
32																									Scheelite			
33	C54-3	MJTY-54 (58.50m)	Massive sulfides																							Bismuth mineral		
34																											"	
35																												Pyrite
36																												Sphalerite
37																												Chalcocopyrite
38																												Pyrite
39																												Rutile
40	C54-4	MJTY-54 (62.30m)	Sulfide disseminated green skarn																							Chalcocopyrite		
41																											Garnet	
42																												Sphalerite
43																									Scheelite			

Sn : The highest assay value of Sn was 0.45% in the extent from 9.50 to 10.00m depth, in green skarn, in the drill hole MJTY-33. Generally, the Sn content of the mineralized rocks was lower than 0.1%.

W : The highest assay value of W was 0.44% in the extent from 23.20 to 24.00m depth, in green skarn, in the drill hole MJTY-30, Generally, the W content of the mineralized rocks was lower than 0.1%.

Nb, Ta : The assay values of Nb and Ta were 31 to 91 ppm and 14 to 28 ppm respectively in the drill holes MJTY-47 to 50 in the south part of Area C where granites are kaolinized. Other assay values of Nb and Ta were Nb: 3 to 20 ppm and Ta: <10 ppm in the central and north part of Area C.

Au : The assay values of Au were 0.1 to 0.5 g/t except for one value of 30.8 g/t in the extent from 29.20 to 30.00m depth in the drill hole MJTY-29.

Ag : The highest assay value of Ag was 373g/t in the extent from 71.00 to 71.50m depth in the drill hole MJTY-55. Generally the assay values of Ag were higher than 100 g/t in the cores containing relatively high Pb and Zn.

Orebodies seen in the drill holes are as follows;

Disseminated ore in green skarn;

Drill hole	Depth	(Thickness)	Grade
MJTY-10	: 14.30 to 25.50m	(11.20m)	, Cu : 0.53%
MJTY-36	: 21.40 to 28.30m	( 6.90m)	, Cu : 0.51%
MJTY-42	: 17.20 to 20.00m	( 2.80m)	, Zn : 3.60%, Ag : 182g/t
	24.30 to 26.00m	( 1.70m)	, Zn : 4.92%
MJTY-53	: 9.80 to 17.00m	( 7.20m)	, Zn : 3.45%
MJTY-54	: 36.40 to 40.40m	( 4.00m)	, Zn : 2.50%
	68.20 to 74.50m	( 6.30m)	, Zn : 4.92%
MJTY-56	: 29.00 to 33.00m	( 4.00m)	, Zn : 1.15%

Massive sulfide ore;

MJTY- 1	: 24.50 to 26.00m	( 1.50m)	, Cu : 0.27%, Zn : 1.75%
MJTY-14	: 33.40 to 37.70m	( 4.30m)	
MJTY-20	: 16.50 to 23.50m	( 7.00m)	
MJTY-26	: 29.10 to 32.40m	( 3.30m)	, Cu : 0.20%, Zn : 2.79%
MJTY-29	: 14.20 to 24.30m	(10.10m)	
	(15.00 to 24.30m	( 9.30m) )	, Cu : 0.62%
MJTY-36	: 38.40 to 43.30m	( 4.90m)	, Cu : 0.79%, Zn : 0.27%

MJTY-37	: 17.90 to 45.00m	(27.10m)	, Cu : 0.51%
MJTY-43	: 25.30 to 30.40m	( 5.10m)	, Cu : 0.80%, Zn : 1.77%
	33.80 to 47.70m	(13.90m)	, Cu : 0.48%, Zn : 2.13%
MJTY-53	: 17.00 to 21.30m	( 4.30m)	, Cu : 0.49%
MJTY-54	: 42.10 to 60.95m	(18.85m)	, Cu : 0.49%

## 2-5 Ore Reserve

The ore reserve was approximately calculated with cut-off grades of 1.0% Zn and 0.5% Cu on the basis of geological interpretation and the geological sections which have been obtained from the results of the drilling survey. This calculation was made on 12 orebodies (Fig. 19 to 21).

The equation used in the calculation is;

Ore reserve = Area of orebody x half of the maximum orebody thickness in the core log x specific gravity (3.3) x safety ratio (0.7)

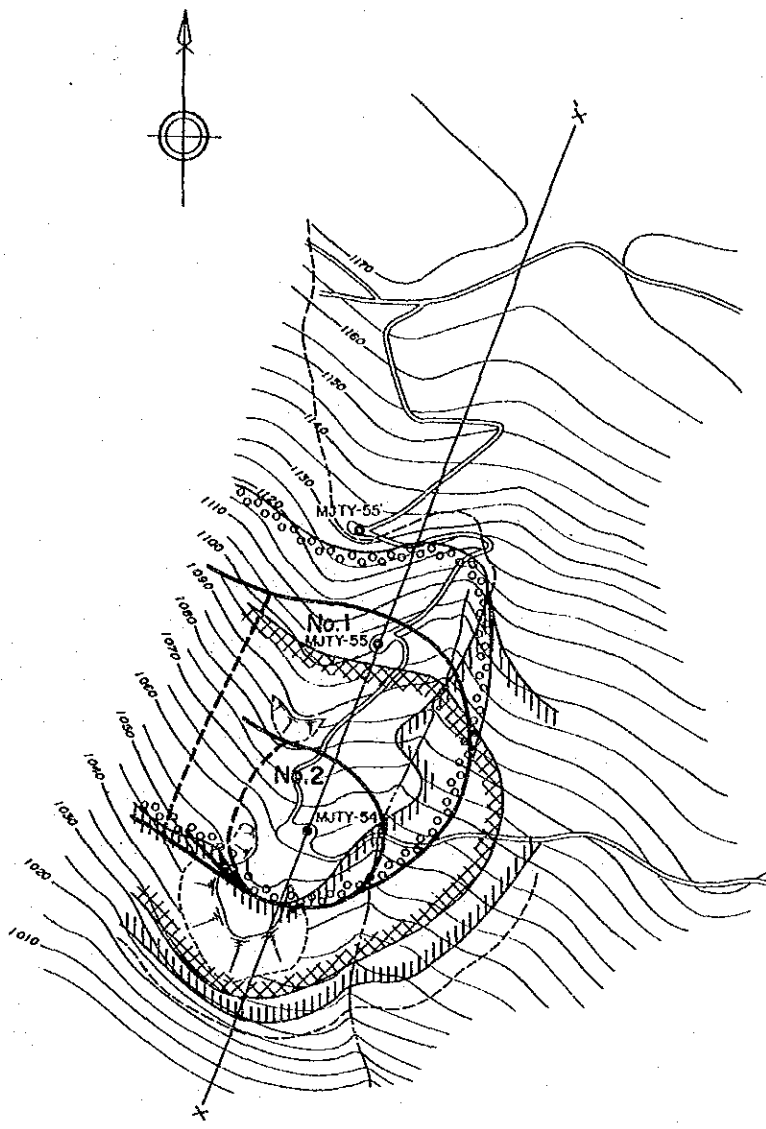
The result of the calculation is shown in Table 11. Each ore reserve ranges from 4,000 to 379,000 tons. Only two orebodies are more than 100,000 tons, and most of the orebodies are 10,000 to 100,000 tons. Copper orebodies generally vary in grade from 0.53 to 2.00% Cu, and two of them are more than 1% Cu. Zinc orebodies contain grades of 1.11 to 3.99 Zn. The total ore reserve is estimated to be 899,000 tons with average grades of 0.49% Cu, 0.08% Pb, 1.17% Zn, 27g/t Ag.

The massive sulfide composed mainly of pyrrhotite is roughly estimated to be 1,000,000 tons with a grade of 0.2 to 0.4% Cu.





## 2-6 Discussion

These reserves are low grade, and each orebody is relatively small scale and scattered. Therefore it seems difficult to warrant exploitation in this area.

However, an ore promising area exists between the above-mentioned limestone area and Area C, where the distribution of roof pendant limestone and a scattering of gossans, suggest the presence of ore deposits. Further study of the area extending NNW of Area C would be expected.

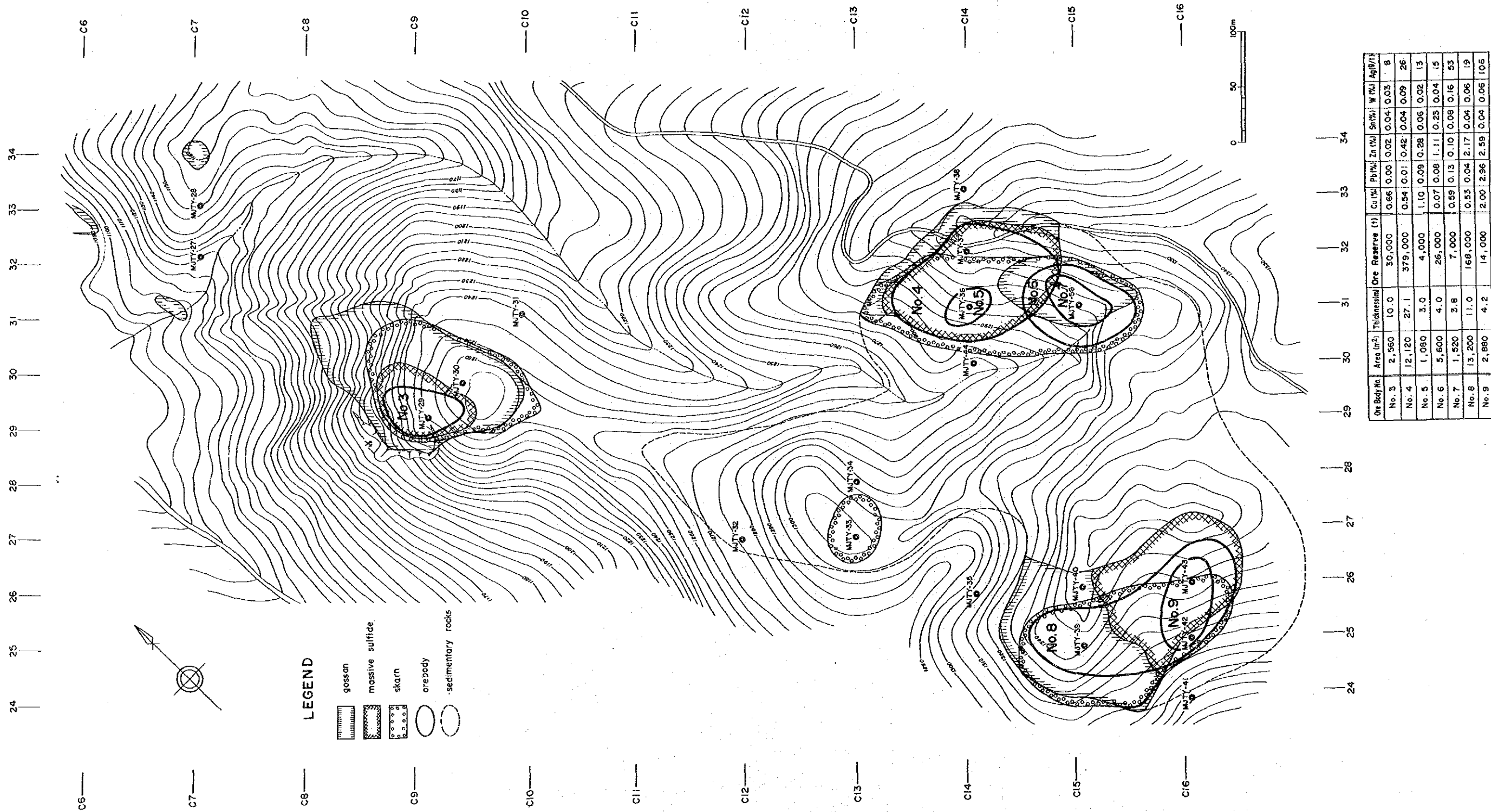


LEGEND

-  ore body
-  gossan
-  massive sulfide
-  skarn

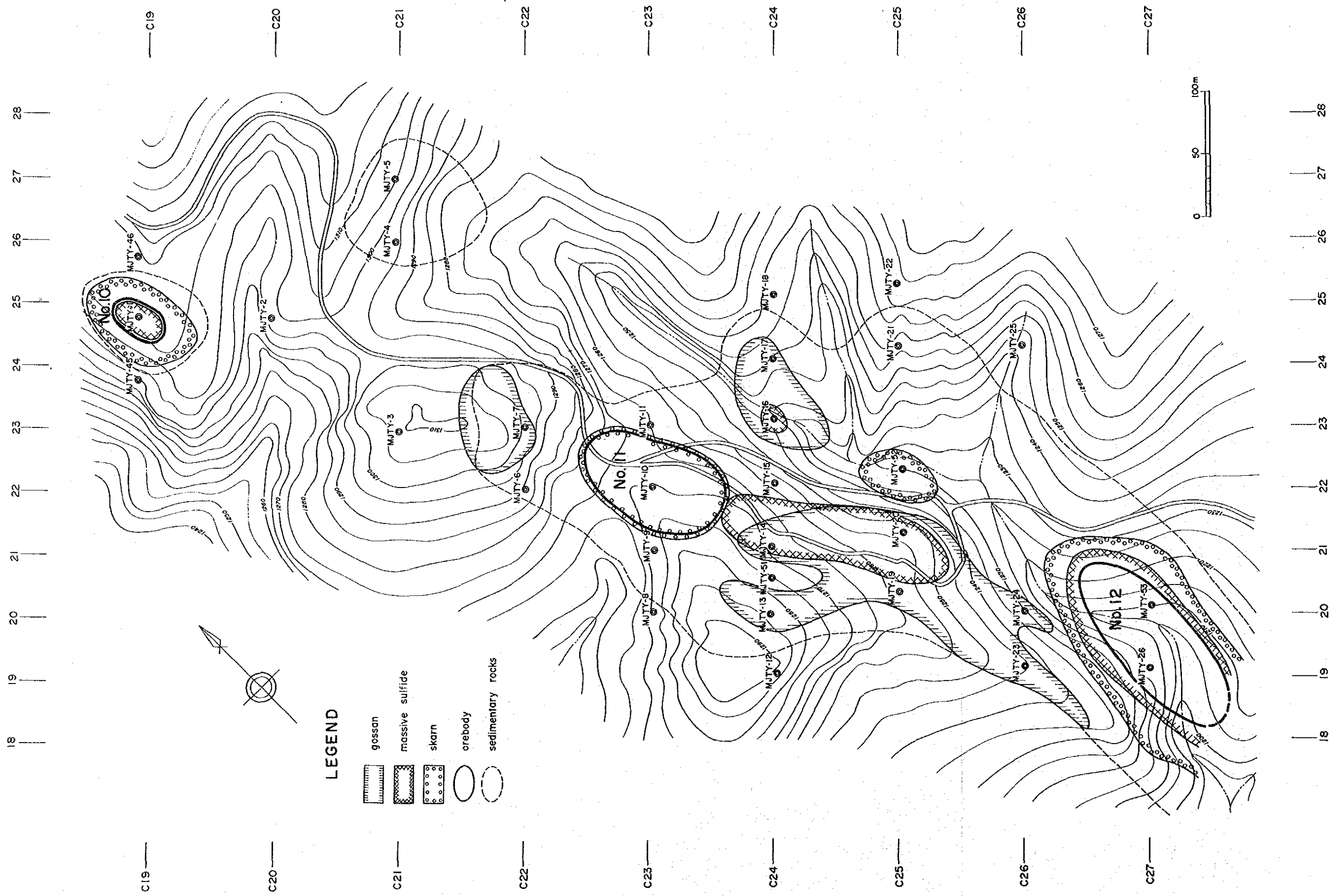
Ore Body No.	Area (m <sup>2</sup> )	Thickness (m)	Ore Reserve (t)	Cu (%)	Pb (%)	Zn (%)	Sn (%)	W (%)	Ag (g/t)
No.1	10.440	6.3	76.000	0.05	0.13	2.16	0.11	0.04	70
No.2	2.960	8.0	27.000	0.66	0.00	0.20	0.04	0.07	19

Fig.19 Orebody Distribution Map of north limestone Area C



Ore Body No.	Area (m <sup>2</sup> )	Thickness (m)	Ore Reserve (t)	Cu (%)	Pb (%)	Zn (%)	Sn (%)	W (%)	Ag (g/t)
No. 3	2,560	10.0	50,000	0.66	0.00	0.02	0.04	0.03	8
No. 4	12,120	27.1	379,000	0.54	0.01	0.42	0.04	0.09	26
No. 5	1,080	3.0	4,000	1.10	0.09	0.28	0.06	0.02	13
No. 6	5,600	4.0	26,000	0.07	0.08	1.11	0.23	0.04	15
No. 7	1,520	3.8	7,000	0.59	0.13	0.10	0.08	0.16	53
No. 8	13,200	11.0	169,000	0.53	0.04	2.17	0.04	0.06	19
No. 9	2,880	4.2	14,000	2.00	2.96	2.59	0.04	0.06	106

Fig.20 Orebody Distribution Map of the north Area C



Ore Body No.	Area (m <sup>2</sup> )	Thickness (m)	Ore Reserve (t)	Cu (%)	Pb (%)	Zn (%)	Sn (%)	W (%)	Ag (g/t)
No. 10	1,200	4.9	7,000	0.15	0.01	2.15	0.05	0.03	11
No. 11	7,280	11.2	94,000	0.53	0.00	0.07	0.09	0.02	11
No. 12	8,000	7.2	67,000	0.19	0.04	3.99	0.05	0.09	35

Fig.21 Orebody Distribution Map of the central Area C

Table 11 Ore Reserve List

Orebody No.	Area (m <sup>2</sup> )	Maximum Thickness (m)	Ore Reserve (t)	Average Grade						Host Rock
				Cu (%)	Pb (%)	Zn (%)	Sn (%)	W (%)	Ag (g/t)	
No.1	10,440	6.3	76,000	0.05	0.13	2.16	0.11	0.04	70	green skarn
No.2	2,960	8.0	27,000	0.66	0.00	0.20	0.04	0.07	19	massive sulfides
No.3	2,560	10.0	30,000	0.66	0.00	0.02	0.04	0.03	8	massive sulfides
No.4	12,120	27.1	379,000	0.54	0.01	0.42	0.04	0.09	26	massive sulfides
No.5	1,080	3.0	4,000	1.10	0.09	0.28	0.06	0.02	13	green skarn
No.6	5,600	4.0	26,000	0.07	0.08	1.11	0.23	0.04	15	green skarn
No.7	1,520	3.8	7,000	0.59	0.13	0.10	0.08	0.16	53	gossan
No.8	13,200	11.0	168,000	0.53	0.04	2.17	0.04	0.05	19	massive sulfides ~ gossan
No.9	2,880	4.2	14,000	2.00	2.96	2.59	0.04	0.06	106	massive sulfides
No.10	1,200	4.9	7,000	0.15	0.01	2.15	0.05	0.03	11	green skarn
No.11	7,280	11.2	94,000	0.53	0.00	0.07	0.09	0.02	11	green skarn
No.12	8,000	7.2	67,000	0.19	0.04	3.99	0.05	0.09	35	green skarn ~ massive sulfides
Total	—	—	899,000	0.49	0.08	1.17	0.06	0.07	27	—

\* Ore Reserve = Area X Thickness X 0.5 X 3,3 (s.g.) X 0.7 (safety ratio)

### **PART III CONCLUSION AND RECOMMENDATION**



## PART III CONCLUSION AND RECOMMENDATION

### Chapter 1 Conclusion

The following conclusions are obtained from trench survey carried out in Area A and drilling survey in Area C.

#### 1-1 Area A

- (1) Dike rocks composed mainly of pegmatite were seen in more of the trenches, and analytical values of the niobium, tantalum, tin and tungsten of the dike rocks nearly coincide with geochemical anomalies values. This indicates that geochemical anomalies originate from pegmatite.
- (2) Although pegmatites in trench T-16 to 20 contain relatively high values of tin, niobium and tantalum, these minerals are not present in quality sufficient to warrant the exploitation for primary ore deposits.
- (3) Tin and tungsten minerals were found in panning samples collected in the streams around geochemical anomalous zones where the above-mentioned trenches are located, and old workings of placer deposits are scattered along the streams. These suggest that pegmatites are the source of placer deposits.
- (4) Most promising areas of placer deposits have already been mined by local inhabitants, and the probability of discovering new placer deposits would seem low.

#### 1-2 Area C

- (1) Sedimentary rocks as roof pendant are scattered on a small scale in the distribution of granites.
- (2) Contact metasomatic ore deposits were found on the boundary between granites and sedimentary rocks, replacing limestone or calcareous rock. Mineralizations were also confirmed in the limestone area 1km north-northwest of Area C. This suggests that mineralization is of a higher grade towards the northwest.
- (3) Ore minerals are composed of sphalerite, chalcopyrite, pyrrhotite, scheelite, magnetite and small amounts of bismuth, silver and tin minerals. The major ore minerals are sphalerite and chalcopyrite.
- (4) Ore reserve is estimated at 899,000 tons, Cu:0.49%, Pb:0.08%, Zn:1.17%, Ag:27g/t. This is too low a grade to warrant exploitation.

## **Chapter 2 Recommendation for the Future**

Extension of mineralization is expected from Area C towards the northwest where limestone is widely distributed.

We recommend that geophysical survey method such as IP would be carried out in order to detect distribution and depth of mineralization. This could be followed by drilling in order to ascertain the presence of orebodies.

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## APPENDICES

Appendix 1 Summary operational data of each drill hole

Drilling hole No.	Drilling Period	Drilling Length	Core		No. of Drilling Shift			Drilling Speed	
			Length	Recovery	Drilling	Others	Total	*1 m/shift	*2 m/shift
MJTY- 1	JAN. 17, '89~JAN. 19, '89	36.10	36.10	100	5.0	0.5	5.5	7.22	6.56
2	JAN. 19, '89~JAN. 21, '89	30.00	30.00	100	4.5	0.5	5.0	6.67	6.00
3	JAN. 24, '89~JAN. 26, '89	30.00	30.00	100	4.5	1.0	5.5	6.67	5.45
4	JAN. 23, '89~JAN. 25, '89	30.00	30.00	100	5.5	1.0	6.5	5.45	4.62
5	JAN. 21, '89~JAN. 23, '89	30.00	30.00	100	5.5	0.5	6.0	5.45	5.00
6	JAN. 20, '89~JAN. 22, '89	30.00	30.00	100	4.5	1.0	5.5	6.67	5.45
7	JAN. 22, '89~JAN. 24, '89	30.00	30.00	100	5.0	0.5	5.5	6.00	5.45
8	DEC. 27, '88~DEC. 29, '88	30.00	25.05	84	5.5	1.5	7.0	5.45	4.29
9	DEC. 25, '88~DEC. 27, '88	32.00	29.60	93	5.5	0.5	6.0	5.82	5.33
10	DEC. 21, '88~DEC. 25, '88	31.10	29.80	96	6.0	2.5	8.5	5.18	3.66
11	DEC. 21, '88~DEC. 25, '88	30.00	30.00	100	5.0	4.0	9.0	6.00	3.33
12	DEC. 25, '88~DEC. 27, '88	30.00	30.00	100	5.0	0.5	5.5	6.00	5.45
13	DEC. 27, '88~DEC. 29, '88	30.00	30.00	97	5.5	0.5	6.0	5.45	5.00
14	DEC. 29, '88~JAN. 5, '89	42.50	42.50	100	6.0	5.5	11.5	7.08	3.70
15	JAN. 5, '89~JAN. 7, '89	35.00	32.95	94	5.0	1.0	6.0	7.00	5.83
16	JAN. 7, '89~JAN. 10, '89	30.00	30.00	100	5.5	0.5	6.0	5.45	5.00
17	JAN. 12, '89~JAN. 14, '89	30.00	30.00	100	5.5	0.5	6.0	5.45	5.00
18	JAN. 10, '89~JAN. 12, '89	30.00	30.00	100	4.0	1.0	5.0	7.50	6.00
19	DEC. 29, '88~JAN. 5, '89	30.00	27.80	93	4.0	6.5	10.5	7.50	2.86
20	JAN. 6, '89~JAN. 10, '89	47.60	46.00	97	7.0	2.0	9.0	6.80	5.29
21	JAN. 16, '89~JAN. 18, '89	40.00	40.00	100	5.5	0.5	6.0	7.27	6.67
22	JAN. 14, '89~JAN. 16, '89	30.00	30.00	100	5.0	0.5	5.5	6.00	5.45
23	JAN. 10, '89~JAN. 12, '89	30.00	26.15	87	5.0	0.5	5.5	6.00	5.45
24	JAN. 14, '89~JAN. 17, '89	41.10	40.30	98	8.0	1.0	9.0	5.14	4.57
25	JAN. 18, '89~JAN. 20, '89	30.00	30.00	100	4.5	0.5	5.0	6.67	6.00
26	JAN. 12, '89~JAN. 14, '89	42.35	42.05	99	5.5	1.0	6.5	7.70	6.51
27	JAN. 28, '89~JAN. 30, '89	30.00	30.00	100	5.5	1.0	6.5	5.45	4.62
28	JAN. 26, '89~JAN. 28, '89	30.00	30.00	100	6.0	0.5	6.5	5.00	4.62
29	FEB. 3, '89~FEB. 5, '89	39.00	38.50	98	5.5	1.0	6.5	7.09	6.00
30	FEB. 1, '89~FEB. 3, '89	30.00	30.00	100	5.0	0.5	5.5	6.00	5.45
31	FEB. 5, '89~FEB. 8, '89	30.00	30.00	100	5.0	2.0	7.0	6.00	4.29
32	JAN. 30, '89~FEB. 1, '89	30.00	30.00	100	5.0	1.0	6.0	6.00	5.00
33	JAN. 26, '89~JAN. 28, '89	30.00	30.00	100	5.0	1.0	6.0	6.00	5.00
34	JAN. 28, '89~JAN. 30, '89	35.00	35.00	100	5.0	1.0	6.0	7.00	5.83
35	FEB. 12, '89~FEB. 14, '89	30.00	30.00	100	5.0	1.0	6.0	6.00	5.00
36	FEB. 4, '89~FEB. 7, '89	46.30	43.35	94	5.5	2.0	7.5	8.42	6.17
37	FEB. 1, '89~FEB. 4, '89	49.00	48.15	98	7.5	0.5	8.0	6.53	6.13
38	JAN. 30, '89~FEB. 1, '89	30.00	30.00	100	5.0	0.5	5.5	6.00	5.45
39	FEB. 10, '89~FEB. 12, '89	34.50	32.80	95	5.5	1.0	6.5	6.27	5.31
40	FEB. 8, '89~FEB. 10, '89	38.70	36.80	95	6.0	0.5	6.5	6.45	5.95
41	FEB. 19, '89~FEB. 21, '89	30.00	30.00	100	5.0	0.5	5.5	6.00	5.45
42	FEB. 17, '89~FEB. 19, '89	33.00	33.00	100	5.5	1.0	6.5	6.00	5.08
43	FEB. 14, '89~FEB. 17, '89	50.00	50.00	100	8.0	0.5	8.5	6.25	5.88
44	FEB. 25, '89~MAR. 4, '89	30.00	30.00	100	5.0	8.5	13.5	6.00	2.22
45	FEB. 21, '89~FEB. 23, '89	30.00	30.00	100	5.5	0.5	6.0	5.45	5.00
46	FEB. 23, '89~FEB. 25, '89	30.00	30.00	100	5.5	1.0	6.5	5.45	4.62
47	FEB. 11, '89~FEB. 13, '89	30.00	30.00	100	5.5	0.5	6.0	5.45	5.00
48	FEB. 9, '89~FEB. 11, '89	30.00	30.00	100	5.0	0.5	5.5	6.00	5.45
49	FEB. 15, '89~FEB. 17, '89	30.00	30.00	100	5.5	1.0	6.5	5.45	4.62
50	FEB. 13, '89~FEB. 15, '89	30.00	30.00	100	5.5	0.5	6.0	5.45	5.00
51	FEB. 17, '89~FEB. 19, '89	35.00	35.00	100	5.0	1.0	6.0	7.00	5.83
52	FEB. 19, '89~FEB. 22, '89	45.00	45.00	100	7.5	1.0	8.5	6.00	5.29
53	FEB. 22, '89~FEB. 25, '89	35.00	35.00	100	5.5	3.5	9.0	6.36	3.89
54	MAR. 2, '89~MAR. 7, '89	75.00	75.00	100	13.5	1.0	14.5	5.56	5.17
*3 54 <sup>1</sup>	FEB. 28, '89~MAR. 2, '89	25.80	25.80	100	3.5	2.5	6.0	7.37	4.30
55	MAR. 14, '89~MAR. 22, '89	75.30	68.00	90	18.0	3.0	21.0	4.18	3.59
*3 55 <sup>1</sup>	FEB. 27, '89~FEB. 28, '89	12.00	12.00	100	2.5	1.5	4.0	4.80	3.00
*3 55 <sup>2</sup>	MAR. 7, '89~MAR. 10, '89	33.50	33.50	100	5.0	3.5	8.5	6.70	3.94
*3 55 <sup>3</sup>	MAR. 10, '89~MAR. 13, '89	62.70	62.70	100	10.5	1.0	11.5	5.97	5.45
56	MAR. 7, '89~MAR. 11, '89	37.00	35.05	95	6.5	1.0	7.5	5.69	4.93
Total	DEC. 21, '88~MAR. 22, '89	*4 2099.55	2062.95	98.0	347.5	82.5	430.0	6.04	4.88

\*1 Covering net drilling operations.

\*2 Covering works conducted.

\*3 Redrilled hole.

\*4 Total drilling length except redrilled holes is 1965.55 m.

## Appendix 2 Drilling equipment

Item	Model	Quantity	Specification	
Drilling Machine with Power Unit	D-1 (TOHO CHIKA KOKI CO.)	2 sets	Capacity Dimensions: Height; Length; Width; Weight; Spindle speed	100m 1,320 mm 1,220 mm 650 mm 750 kg 50, 150, 300 rpm
	Swivel Head		Hoisting capacity	Max. 1,000 kg
	Hoist		Capacity Max. pressure;	67 kgm 1,325 kg/cm <sup>2</sup>
	Oil Pump		Diesel engine Revolution Related power;	2,200 rpm 9.0 PS
	NS-90CE (YANMAR)	2 sets		
Drilling Pump with Power Unit	MG-5A (KOKEN)	2 sets	Cylinder bore dia: Delivery volume; Max. pressure: Stroke;	68 mm 70 ℓ/min 25 kg/cm <sup>2</sup> 170 s.p.m.
	NS-75C (YANMAR)	2 sets	Diesel engine Revolution: Related power:	2,200 rpm 7.5 PS
Water Supply Pump	MS-1503	2 sets	Capacity: Max. pressure:	131-150 ℓ/min 30 kg/cm <sup>2</sup>
	NS-130C	1 set	Diesel engine Revolution: Related power:	2,200 rpm 13.5 PS
	NF-110	1 set	Diesel engine Revolution: Related power:	2,400 rpm 11.0 PS
Derick	Tripod (EZAKI)	2 sets	Steel pipe Max. load capacity	1,500 kg
Crawler Carrier	YFW5D-1 (YANMAR)	1 set	Max. loading cap: Empty weight:	500 kg 345 kg
Crane Carrier	YFC20(O)E (YANMER)	1 set	Max. loading cap: Max. lifting cap: Empty weight:	1,700 kg 950 kg 1,860 kg
	NS-110GEFW (YANMAR)		Diesel engine Revolution: Related power:	2,200 rpm 11 PS
Chain saw	S-55 (PATNER)	2 sets	Chain bar Weight	20 inch 6.0 kg
Engine Generator	SV-1500 (SUZUKI)	3 sets	Capacity  Engine:	1.3/1.5 KVA 100 V  3,000~3,600 rpm 3.2~3.8 PS
Drill Road	44.5 mm	35 pcs		44.5 mm x 3.00 m
	-ditto- 44.5 mm	4 pcs		44.5 mm x 1.00 m
	-ditto- 44.5 mm	4 pcs		44.5 mm x 0.50 m
	-ditto- 40.5 mm	5 pcs		40.5 mm x 0.30 m
Casing Pipe	114 mm (HW)	20 pcs		HW x 0.50 m
	-ditto- 84 mm	56 pcs		
Double Core-Tube	86 mm (N, S)	3 sets		CPS 86mm x 1.50m
	-ditto- 66 mm (S)	3 sets		CPS 66mm x 1.50m
	-ditto- 66 mm (N)	3 sets		CPS 66mm x 1.50m
Single Core-Tube	86 mm	4 pcs		CPS 86mm x 0.40m
Collapsible water tank		2 sets		3 m <sup>3</sup>

### Appendix 3 Consumables

Drilling hole No.	Light oil (ℓ)	Gasoline (ℓ)	Mobil oil (ℓ)	Grease (kg)	C.M.C (kg)
MJTY-- 1	70	40	0.3	0.2	4.0
" 2	60	25	0.5	0.2	3.0
" 3	50	45	0.2	0.2	4.0
" 4	85	40	0.5	0.3	5.0
" 5	75	40	0.5	0.3	5.0
" 6	50	60	0.8	0.3	3.0
" 7	60	45	—	0.2	5.0
" 8	85	27	1.5	0.9	2.0
" 9	75	32	1.0	0.7	3.0
" 10	80	38	1.5	2.0	2.0
" 11	100	50	5.0	2.5	3.0
" 12	65	30	1.0	1.0	2.0
" 13	70	30	2.0	1.0	—
" 14	95	25	5.0	3.0	2.0
" 15	85	25	1.0	0.5	2.0
" 16	70	25	1.0	1.0	2.0
" 17	60	30	—	0.2	3.0
" 18	60	30	1.0	1.0	2.0
" 19	80	28	1.0	1.4	2.0
" 20	80	20	2.0	0.2	2.0
" 21	70	55	0.5	0.2	4.0
" 22	70	45	—	0.1	5.0
" 23	70	20	—	0.2	2.0
" 24	130	60	1.2	0.4	5.0
" 25	55	45	0.5	—	3.0
" 26	75	40	0.1	0.3	4.0
" 27	75	40	0.2	0.3	5.0
" 28	75	40	0.2	0.2	5.0
" 29	70	50	0.2	0.1	5.0
" 30	55	55	0.4	0.2	4.0
" 31	60	70	0.8	0.4	7.0
" 32	55	55	0.2	0.2	5.0
" 33	60	55	0.5	0.3	4.0
" 34	65	50	0.2	0.1	6.0
" 35	65	40	0.6	0.2	3.0
" 36	100	40	0.7	0.4	6.0
" 37	95	50	0.5	0.5	10.0
" 38	65	40	0.2	0.1	5.0
" 39	85	40	0.4	0.2	6.0
" 40	80	40	0.3	0.2	6.0
" 41	65	40	1.2	0.2	4.0
" 42	75	40	0.4	0.2	4.0
" 43	105	60	0.4	0.2	6.0
" 44	120	40	0.9	0.2	4.0
" 45	80	40	0.5	0.2	5.0
" 46	80	40	0.4	0.2	5.0
" 47	70	50	0.6	0.3	6.0
" 48	60	40	0.4	0.2	5.0
" 49	70	55	0.5	0.3	4.0
" 50	70	50	0.6	0.3	3.0
" 51	60	55	0.4	0.2	3.0
" 52	95	70	0.7	0.4	5.0
" 53	80	170	1.5	0.2	3.0
" 54	165	110	0.6	0.3	5.0
" 55	85	50	0.2	0.1	2.0
" 55	210	180	3.1	0.6	4.0
" 55-1	45	40	0.3	0.1	1.0
" 55-2	95	60	0.2	0.2	2.0
" 55-3	140	80	0.6	0.3	2.0
" 56	115	30	0.5	0.5	5.0
<b>Total</b>	<b>4.815 ℓ</b>	<b>2.915 ℓ</b>	<b>47.5 ℓ</b>	<b>26.9 kg</b>	<b>234.0 kg</b>



Table 4 Consumed bits

Hole No.	Bit Type			86 mm			66 mm		
	Length Quantity	Metal	Reamer	Bit	Metal	Reamer	Bit	Metal	Reamer
MJTJ- 1	8.50 0.1	5.50 0.2		21.10 0.4					1
" 2	15.00 0.3			14.00 1.0					
" 3	12.00 0.4	3.00 0.4							
" 4	15.00 0.5	14.00 0.5		1.00 1.0					
" 5	14.50 0.5	0.50 0.1	1						
" 6	12.90 0.3	2.10 0.2		15.00 0.8					1
" 7	12.20 0.5	3.00 0.4		4.55 2.0					
" 8	5.00 0.2	4.00 0.2		19.50 0.5					
" 9		16.00 0.5		16.00 0.4					
" 10	4.30 0.2	10.70 0.4	1	14.60 2.0					1
" 11	13.50 0.5	0.50 0.1	1	1.10 0.1					
" 12	8.00 0.5			22.00 0.8					
" 13	10.50 0.5			4.75 0.4	14.75 0.8				1
" 14	14.80 0.5	1.20 0.2		16.80 0.7					1
" 15	11.20 0.4	3.80 0.3		20.00 0.6					
" 16	13.60 0.4	1.40 0.2		12.80 0.4	2.20 0.1				
" 17	13.00 0.2			17.00 0.6					
" 18	11.70 0.2	1.90 0.2		7.65 0.3	9.85 0.5				
" 19	11.90 0.6	2.20 0.1		14.05 0.5	1.85 0.1				
" 20	10.00 0.1			3.55 0.2	34.05 0.9				
" 21	15.00 0.4	15.00 0.4		19.00 0.7	6.00 0.5				
" 22	15.00 0.4	15.00 0.4		11.65 0.4	3.35 0.1				
" 23	10.50 0.1	9.50 0.3		7.50 0.4	2.30 0.1				
" 24	5.95 0.1	4.05 0.2		20.85 0.9	11.65 0.5				
" 25	14.00 0.4	14.00 0.4		11.50 1.0	4.50 0.1				1
" 26	15.00 0.3	15.00 0.3		7.00 0.4	20.35 0.4				1
" 27	2.00 0.1	5.00 0.3		0.20 0.1	22.80 3.0				1
" 28	15.00 0.3			14.50 0.8	0.30 0.1				
" 29	6.00 0.2	2.50 0.4		5.20 0.3	25.30 2.0				
" 30	9.00 0.5	1.00 0.1		13.00 0.7	7.00 0.5				

Hole No.	Bit Type			86 mm			66 mm		
	Length Quantity	Metal	Reamer	Bit	Metal	Reamer	Bit	Metal	Reamer
MJTJ- 31	8.10 0.2	1.10 0.1	1				20.80 2.0		
" 32	2.80 0.1	3.90 0.5			23.30 1.0				
" 33	15.00 0.5				15.00 0.4				
" 34	15.00 0.3	15.00 0.3			15.00 1.0				
" 35	9.15 0.5	16.35 0.6			16.35 0.6				
" 36	15.00 0.3	4.10 0.2			4.10 0.2				
" 37	9.00 0.2	9.00 0.2			9.00 0.2				
" 38	8.45 0.1	15.65 0.5			15.65 0.5				
" 39	10.00 0.5	10.00 0.5			10.00 0.5				
" 40	10.00 0.5	10.00 0.5			23.85 0.9				1
" 41	2.00 0.2	2.00 0.2			2.00 0.2				1
" 42	10.00 0.2	10.00 0.2			11.70 1.0				
" 43	10.65 0.5	10.65 0.5			10.35 0.4				
" 44	10.00 0.9	10.00 0.9			15.10 0.6				
" 45	5.05 0.5	5.05 0.5		3.59 1.0					
" 46	1.25 0.1	8.75 0.7			4.75 0.2				
" 47	10.00 0.4	10.00 0.4			20.00 0.6				1
" 48	13.70 0.6	13.70 0.6		1.50 0.3	14.80 0.4				
" 49	10.00 0.5	10.00 0.5			16.50 0.5				
" 50	8.50 0.5	8.50 0.5		1.50 0.3	5.30 1.0				
" 51	8.50 0.4	8.50 0.4		1.50 0.3	9.40 0.3				
" 52	5.90 0.2	5.90 0.2		5.10 0.7	14.60 1.0				
" 53	8.50 0.4	8.50 0.4		1.70 0.3	25.00 2.0				
" 54	4.70 0.3	4.70 0.3		42.20 1.0	28.80 5.0				
" 54-1	4.70 0.4	4.70 0.4		10.30 0.5	10.80 1.0				1
" 55	5.00 2.0	5.00 2.0			70.30 3.0				
" 55-1	4.00 0.3	4.00 0.3	1	8.00 0.5					
" 55-2	3.00 0.5	3.00 0.5		10.50 1.0	20.00 2.0				
" 55-3	4.00 0.5	4.00 0.5			58.70 2.0				
" 56	5.55 0.2	5.55 0.2			14.45 0.8				
Total	564.55 21.0	177.80 12.0	5.0	370.10 7.1	557.30 24.0	5.0	400.10 7.1	10.0	

## Appendix 5 Operational data of each drill hole

Drill hole No. MJTY-1

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	JAN.17, '89 ~	JAN.17, '89				
Preparation	JAN.17, '89 ~	JAN.17, '89	0.25	0.08	-	0.75
Drilling	JAN.17, '89 ~	JAN.18, '89	2.00	1.67	-	15.0
Removing	JAN.19, '89 ~	JAN.19, '89	0.25	0.08	-	0.75
Total	JAN.17, '89 ~	JAN.19, '89	2.50	1.83	-	16.5
Planned Length	30.00 m					
Increase in Length	6.10 m	Core Length	36.10 m	Depth m	Section %	Total %
	36.10 m	Core Recovery	100 %	0~36.10	100	100
Drilling	15° 10'	38 %	34 %	Drilling Efficiency		
Accompanying Works	24° 50'	62 %	57 %	36.10/2.5	Total Length Drilling Period	14.44 m/Day
	-	- %	- %	36.10/1.83	Total Length Working Days	19.73 m/Day
Total	40° 00'	100 %	91 %			
Removing	Preparation	-	4.5 %			
	Moving	2° 00'	-			
Others	-	-	4.5 %	Detailed Length by Bit Size		
Grand Total	-	-	-	Bit Size	86mm	66mm
	44° 00'	-	100 %	Drilled Length	15.00m	21.10m
Pipe Size & Inserted Length	Inserted Length	Recovery of Casing Pipe	Core Length	m		
	Drilling Length	15.00m	21.10m			
Inserted Casing Pipe	86mm : 15.00m	42 %	100 %	Remarks		
	-	%	%			

Drill hole No. MJTY-2

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	JAN.19, '89 ~	JAN.19, '89				
Preparation	JAN.19, '89 ~	JAN.19, '89	0.25	0.08	-	0.75
Drilling	JAN.19, '89 ~	JAN.20, '89	2.00	1.50	-	16.5
Removing	JAN.21, '89 ~	JAN.21, '89	0.25	0.09	-	0.75
Total	JAN.19, '89 ~	JAN.21, '89	2.50	1.67	-	18.0
Planned Length	30.00 m					
Increase in Length	0 m	Core Length	30.00 m	Depth m	Section %	Total %
	30 m	Core Recovery	100 %	0~30.00	100	100
Drilling	10° 05'	28 %	21 %	Drilling Efficiency		
Accompanying Works	25° 55'	72 %	54 %	30.00/2.5	Total Length Drilling Period	12.00 m/Day
	-	- %	- %	30.00/1.67	Total Length Working Days	17.96 m/Day
Total	36° 00'	100 %	75 %			
Removing	Preparation	-	4 %			
	Moving	2° 00'	-			
Others	-	-	4 %	Detailed Length by Bit Size		
Grand Total	-	-	-	Bit Size	86mm	66mm
	48° 00'	-	1.00 %	Drilled Length	15.00m	15.00m
Pipe Size & Inserted Length	Inserted Length	Recovery of Casing Pipe	Core Length	m		
	Drilling Length	15.00m	15.00m			
Inserted Casing Pipe	86mm : 10.00m	53 %	100 %	Remarks		
	-	%	%			

Drill hole No. MJTY-3

	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	JAN.24 '89 ~	JAN.24 '89				
Preparation	JAN.24 '89 ~	JAN.24 '89	0.50	0.16	-	1.5
Drilling	JAN.24 '89 ~	JAN.25 '89	2.00	1.50	-	16.5
Removing	JAN.26 '89 ~	JAN.26 '89	0.50	0.17	-	1.5
Total	JAN.24 '89 ~	JAN.26 '89	3.00	1.83	-	19.5
Planned Length	30.00 m					
Core Recovery for each 50m section						
Increase in Length	0 m	Core Length	80.00 m	Section %	Total %	
Length Drilled	30.00 m	Core Recovery	100 %	100	100	
Drilling	7° 00'	19 %	13 %	Drilling Efficiency		
Accompanying Works	29° 00'	81 %	56 %	Total Length Drilling Period		
Repairing	-	- %	- %	Total Length Working Days		
Total	36° 00'	100 %	69 %	10.00 m/Day		
Preparation	4° 00'	-	8 %	16.99 m/Day		
Removing	4° 00'	-	8 %	Deilled Length by Bit Size		
Others	8° 00'	-	15 %	86mm	66mm	mm
Grand Total	52° 00'	-	100 %	Drilled Length	15.00m	m
Pipe Size & Inserted Length	Inserted Length	Recovery of Casing of Pipe	Core Length	15.00m	15.00m	m
86mm : 15.00m	50 %	100 %	Remarks			
	%	%				
	-	-				

Drill hole No. MJTY-4

	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	JAN.23 '89 ~	JAN.23 '89				
Preparation	JAN.23 '89 ~	JAN.23 '89	0.25	0.08	-	2.75
Drilling	JAN.23 '89 ~	JAN.24 '89	2.00	1.84	-	16.5
Removing	JAN.25 '89 ~	JAN.25 '89	0.75	0.25	-	8.25
Total	JAN.23 '89 ~	JAN.25 '89	3.00	2.17	-	27.5
Planned Length	30.00 m					
Core Recovery for each 50m section						
Increase in Length	0 m	Core Length	30.00 m	Section %	Total %	
Length Drilled	30.00 m	Core Recovery	100 %	100	100	
Drilling	7° 55'	18 %	13 %	Drilling Efficiency		
Accompanying Works	36° 00'	82 %	60 %	Total Length Drilling Period		
Repairing	-	- %	- %	Total Length Working Days		
Total	44° 00'	100 %	73 %	10.00 m/Day		
Preparation	2° 00'	-	3 %	13.82 m/Day		
Removing	6° 00'	-	10 %	Deilled Length by Bit Size		
Others	8° 00'	-	14 %	86mm	66mm	mm
Grand Total	60° 00'	-	100 %	Drilled Length	15.00m	m
Pipe Size & Inserted Length	Inserted Length	Recovery of Casing of Pipe	Core Length	15.00m	15.00m	m
86mm : 15.00m	50 %	100 %	Remarks			
	%	%				
	-	-				

Drill hole No. MJTY-5

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers	
	JAN.21.'89 ~	JAN.21.'89 ~					
Preparation	JAN.21.'89 ~	JAN.21.'89	0.25	0.08	-	0.75	
Drilling	JAN.21.'89 ~	JAN.22.'89	2.00	1.83	-	16.5	
Removing	JAN.23.'89 ~	JAN.23.'89	0.25	0.09	-	0.75	
Total	JAN.21.'89 ~	JAN.23.'89	2.50	2.00	-	18.00	
Planned Length	30.00 m						Core Recovery for each 50m section
Increase in Length	0 m	Core Length	30.00 m	Depth m	Section %	Total %	
Length Drilled	30.00 m	Core Recovery	100 %	0~30.00	100	100	
Drilling	9° 30'	22 %	20 %	Drilling Efficiency			
Accompanying Works	34° 30'	78 %	72 %	30.00/2.5	Total Length Drilling Period	12.00 m/Day	
Repairing	-	- %	- %	30.00/2.0	Total Length Working Days	15.00 m/Day	
Total	44° 00'	100 %	92 %				
Preparation	2° 00'	-	4 %				
Moving	2° 00'	-	4 %	Deilled Length by Bit Size			
Others	-	-	-	Bit Size	86mm	66mm	
Grand Total	48° 00'	-	100 %	Drilled Length	15.00m	15.00m	
Pipe Size & Inserted Length	Inserted Length / Drilling Length	Recovery of Casing Pipe	Core Length	Core Length	15.00m	15.00m	
86mm : 15.00m	60 %	100 %	Remarks				
-	%	%					
-	-	-					

Drill hole No. MJTY-6

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers	
	JAN.20.'89 ~	JAN.20.'89 ~					
Preparation	JAN.20.'89 ~	JAN.20.'89	0.50	0.16	-	1.5	
Drilling	JAN.20.'89 ~	JAN.21.'89	2.00	1.50	-	16.5	
Removing	JAN.22.'89 ~	JAN.22.'89	0.50	0.17	-	1.5	
Total	JAN.20.'89 ~	JAN.22.'89	3.00	1.83	-	19.5	
Planned Length	30.00 m						Core Recovery for each m section
Increase in Length	0 m	Core Length	30.00 m	Depth m	Section %	Total %	
Length Drilled	30.00 m	Core Recovery	100 %	0~30.00	100	100	
Drilling	10° 20'	29 %	20 %	Drilling Efficiency			
Accompanying Works	25° 40'	71 %	49 %	30.00/3.00	Total Length Drilling Period	10.00 m/Day	
Repairing	-	- %	- %	30.00/1.83	Total Length Working Days	16.39 m/Day	
Total	36° 00'	100 %	69 %				
Preparation	4° 00'	-	8 %				
Moving	4° 00'	-	8 %	Deilled Length by Bit Size			
Others	8° 00'	-	15	Bit Size	86mm	66mm	
Grand Total	52° 00'	-	%	Drilled Length	12.60m	17.40m	
Pipe Size & Inserted Length	Inserted Length / Drilling Length	Recovery of Casing Pipe	Core Length	Core Length	12.60m	17.40m	
86mm : 12.00m	40 %	100 %	Remarks				
-	%	%					
-	-	-					

Drill hole No. MJTY-7

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	JAN.22, '89 ~ JAN.22, '89	JAN.23, '89 ~ JAN.23, '89				
Preparation	JAN.22, '89 ~ JAN.22, '89		0.25	0.08	-	0.75
Drilling	JAN.22, '89 ~ JAN.23, '89		2.00	1.57	-	1.50
Removing	JAN.24, '89 ~ JAN.24, '89		0.25	0.08	-	0.75
Total	JAN.22, '89 ~ JAN.24, '89		2.50	1.83	-	1.650
Planned Length	30.00 m Core Recovery for each 50m section					
Increase in Length	0 m	Core Length	30.00 m	Depth m	Section %	Total %
	30.00 m	Core Recovery	100 %	0~30.00	100	100
Length Drilled	-					
Drilling	8° 00'	20 %	18 %	Drilling Efficiency		
Accompanying Works	32° 00'	80 %	73 %	80.00/2.5	Total Length Drilling Period	12.00 m/Day
Repairing	-	- %	- %	30.00/1.83	Total Length Working Days	16.39 m/Day
Total	40° 00'	100 %	91 %	-		
Preparation	2° 00'	-	4.5 %	-		
	2° 00'	-	4.5 %	-		
Others	-	-	-	Bit Size	86mm	66mm
Grand Total	44° 00'	-	100 %	Drilled Length	15.20m	14.80m
Pipe Size & Inserted Length	Inserted Length Drilling Length	Recovery of Casing Pipe		Core Length	15.20m	14.80m
		50 %	100 %	Remarks		
86mm : 15.00m	-	%	%	-		
-	-	-	-	-		

Drill hole No. MJTY-8

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	DEC.27, '88 ~ DEC.27, '88	DEC.28, '88 ~ DEC.28, '88				
Preparation	DEC.27, '88 ~ DEC.27, '88		0.25	0.08	-	0.75
Drilling	DEC.27, '88 ~ DEC.28, '88		2.00	1.88	-	1.650
Removing	DEC.29, '88 ~ DEC.29, '88		1.25	0.42	-	3.75
Total	DEC.27, '88 ~ DEC.27, '88		3.50	2.33	-	21.00
Planned Length	30.00 m Core Recovery for each 50m section					
Increase in Length	0 m	Core Length	25.05 m	Depth m	Section %	Total %
	30.00 m	Core Recovery	84 %	0~30.0	84	84
Length Drilled	-					
Drilling	9° 20'	21 %	17 %	Drilling Efficiency		
Accompanying Works	34° 40'	79 %	62 %	30.00/3.50	Total Length Drilling Period	8.57 m/Day
Repairing	-	- %	- %	30.00/2.33	Total Length Working Days	12.88 m/Day
Total	44° 00'	100 %	79 %	-		
Preparation	2° 00'	-	3 %	-		
	10° 00'	-	18 %	-		
Others	-	-	-	Bit Size	86mm	66mm
Grand Total	56° 00'	-	100 %	Drilled Length	9.00m	21.00m
Pipe Size & Inserted Length	Inserted Length Drilling Length	Recovery of Casing Pipe		Core Length	9.00m	16.05m
		30 %	100 %	Remarks		
86mm : 9.00m	-	%	%	-		
-	-	-	-	-		

Drill hole No. MJTY-9

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	DEC.25, '88 ~	DEC.25, '88				
Preparation	DEC.25, '88 ~	DEC.25, '88	0.25	0.08	-	0.75
Drillings	DEC.25, '88 ~	DEC.26, '88	2.00	1.84	-	16.50
Removing	DEC.27, '88 ~	DEC.27, '88	0.25	0.08	-	0.75
Total	DEC.25, '88 ~	DEC.27, '88	2.50	2.00	-	18.00
Planned Length	30.00 m					
Increase in Length	2.00 m	Core Length	29.60 m	Section %	Total %	93
	32.00 m	Core Recovery	93 %	93		
Drilling	10° 50'	25 %	23 %	Drilling Efficiency		
Accompanying Works	33° 10'	75 %	69 %	32.00/2.50	Total Length Drilling Period	12.80 m/Day
Repairing	-	- %	- %	32.00/2.00	Total Length Working Days	16.00 m/Day
Total	44° 00'	100 %	92 %			
Preparation	2° 00'	-	4 %			
	Moving	2° 00'	4 %			
Others	-	-	-	Bit Size	86mm	66mm
Grand Total	48° 00'	-	100 %	Drilled Length	16.00m	15.05m
Pipe Size & Inserted Length	Inserted Length	Recovery of Casing of Pipe	Core Length	16.00m	14.55m	m
86mm : 14.00m	44 %	100 %	Remarks			
	%	%				
-	-	-				

Drill hole No. MJTY-10

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	DEC.21, '88 ~	DEC.22, '88				
Preparation	DEC.21, '88 ~	DEC.22, '88	0.50	0.16	-	1.50
Drilling	DEC.23, '88 ~	DEC.24, '88	2.00	2.00	-	18.00
Removing	DEC.25, '88 ~	DEC.25, '88	2.00	0.67	-	18.00
Total	DEC.21, '88 ~	DEC.25, '88	4.50	2.83	-	37.50
Planned Length	30.00 m					
Increase in Length	1.10 m	Core Length	29.80 m	Section %	Total %	96
	31.10 m	Core Recovery	96 %	96		
Drilling	20° 20'	42 %	27 %	Drilling Efficiency		
Accompanying Works	27° 40'	58 %	36 %	31.10/4.50	Total Length Drilling Period	6.91 m/Day
Repairing	-	- %	- %	31.10/2.83	Total Length Working Days	10.99 m/Day
Total	48° 00'	100 %	63 %			
Preparation	4° 00'	-	5 %			
	Moving	16° 00'	21 %			
Others	8° 00'	-	11 %	Bit Size	86mm	66mm
Grand Total	76° 00'	-	100 %	Drilled Length	15.00m	16.10m
Pipe Size & Inserted Length	Inserted Length	Recovery of Casing of Pipe	Core Length	13.70m	16.10m	m
86mm : 15.00m	49 %	100 %	Remarks			
	%	%				
-	-	-				

Drill hole No. MJTY-11

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	DEC.21, '88 ~ DEC.22, '88	DEC.23, '88 ~ DEC.24, '88				
Preparation	DEC.21, '88 ~ DEC.22, '88		2.00	0.67	-	18
Drilling	DEC.23, '88 ~ DEC.24, '88		2.00	2.00	-	18
Removing	DEC.25, '88 ~ DEC.25, '88		1.00	0.33	-	3
Total	DEC.21, '88 ~ DEC.25, '88		5.00	3.00	-	39
Planned Length	30.00 m Core Recovery for each 50m section					
Increase in Length	0 m	Core Length	30.00 m	Depth m	Section %	Total %
Length Drilled	30.00 m	Core Recovery	100 %	0-30.00	100	100
Drilling	12° 55'	27 %	15 %	Drilling Efficiency		
Accompanying Works	35° 05'	73 %	44 %	30.00/5.00	Total Length Drilling Period	6.00 m/Day
Repairing	-	- %	- %	30.00/2.00	Total Length Working Days	10.00 m/Day
Total	48° 00'	100 %	60 %			
Preparation	16° 00'	-	20 %			
Moving	8° 00'	-	10 %	Delled Length by Bit Size		
Others	8° 00'	-	10 %	Bit Size	86mm	66mm
Grand Total	80° 00'	-	100 %	Drilled Length	14.00m	16.00m
Pipe Size & Inserted Length	Inserted Length - Drilling Length	Recovery of Casing of Pipe	Core Length	14.00m	16.00m	m
86mm : 14.00m	47 %	100 %	Remarks			
	%	%				
	-	-				

Drill hole No. MJTY-12

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	DEC.25, '88 ~ DEC.25, '88	DEC.26, '88 ~ DEC.27, '88				
Preparation	DEC.25, '88 ~ DEC.25, '88		0.25	0.08	-	0.75
Drilling	DEC.25, '88 ~ DEC.26, '88		2.00	1.67	-	15.00
Removing	DEC.27, '88 ~ DEC.27, '88		0.25	0.08	-	0.75
Total	DEC.25, '88 ~ DEC.27, '88		2.50	1.83	-	16.50
Planned Length	30.00 m Core Recovery for each 50m section					
Increase in Length	0 m	Core Length	30.00 m	Depth m	Section %	Total %
Length Drilled	30.00 m	Core Recovery	100 %	0-30.00	100	100
Drilling	9° 55'	24 %	22 %	Drilling Efficiency		
Accompanying Works	30° 25'	76 %	69 %	30.00/2.50	Total Length Drilling Period	12.00 m/Day
Repairing	-	- %	- %	30.00/1.85	Total Length Working Days	16.89 m/Day
Total	40° 00'	100 %	91 %			
Preparation	2° 00'	-	4.5 %			
Moving	2° 00'	-	4.5 %	Delled Length by Bit Size		
Others	-	-	-	Bit Size	86mm	66mm
Grand Total	44° 00'	-	100 %	Drilled Length	8.00m	22.00m
Pipe Size & Inserted Length	Inserted Length - Drilling Length	Recovery of Casing of Pipe	Core Length	8.00m	22.00m	m
86mm : 22.00m	75 %	100 %	Remarks			
	%	%				
	-	-				



Drill hole No. MJTY-13

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers	
	Start	End					
Preparation	DEC.27. '88	DEC.27. '88	0.25	0.08	-	0.75	
Drilling	DEC.27. '88	DEC.28. '88	2.00	1.84	-	16.5	
Removing	DEC.29. '88	DEC.29. '88	0.25	0.08	-	0.75	
Total	DEC.27. '88	DEC.29. '88	2.50	2.00	-	18.00	
Planned Length	30.00 m						Core Recovery for each 50m section
Increase in Length	0 m	Core Length	30.00 m	Section %	Total %		
Length Drilled	30.00 m	Core Recovery	100 %	100	100		
Drilling	11° 50'	27 %	25 %	Drilling Efficiency			
Accompanying Works	32° 10'	73 %	67 %	Total Length Drilling Period	12.00 m/Day		
Repairing	-	- %	- %	Total Length Working Days	15.00 m/Day		
Total	44° 00'	100 %	92 %				
Preparation	2° 00'	-	4 %				
Moving	2° 00'	-	4 %				
Others	-	-	-	Deilled Length by Bit Size			
Grand Total	48° 00'	-	100 %	Drilled Length	10.50m	m	
Pipe Size & Inserted Length	Inserted Length Drilling Length	Recovery of Casing Pipe	Core Length	10.50m	19.50m	m	
86mm : 15.00m	50 %	100 %	Remarks				
	%	%					
	-	-					

Drill hole No. MJTY-14

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers	
	Start	End					
Preparation	DEC.29. '88	DEC.29. '88	0.50	0.17	-	1.5	
Drilling	DEC.29. '88	JAN.4. '89	7.00	1.83	1.67	40.5	
Removing	JAN.5. '89	JAN.5. '89	0.50	0.17	-	1.5	
Total	DEC.29. '88	JAN.5. '89	8.00	2.17	1.67	43.5	
Planned Length	30.00 m						Core Recovery for each 50m section
Increase in Length	12.50 m	Core Length	42.50 m	Section %	Total %		
Length Drilled	42.50 m	Core Recovery	100 %	100	100		
Drilling	18° 50'	43 %	21 %	Drilling Efficiency			
Accompanying Works	25° 10'	57 %	27 %	Total Length Drilling Period	5.31 m/Day		
Repairing	-	- %	- %	Total Length Working Days	11.07 m/Day		
Total	44° 00'	100 %	48 %				
Preparation	4° 00'	-	4 %				
Moving	4° 00'	-	4 %				
Others	40° 00'	-	44 %	Bit Size	86mm	66mm	
Grand Total	92° 00'	-	100 %	Drilled Length	16.00m	26.50m	
Pipe Size & Inserted Length	Inserted Length Drilling Length	Recovery of Casing Pipe	Core Length	16.00m	26.50m	m	
86mm : 26.00m	61 %	100 %	Remarks				
	%	%					
	-	-					

Drill hole No. MJTY-15

	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	JAN.5 '89 ~	JAN.5 '89				
Preparation	JAN.5 '89 ~	JAN.5 '89	0.50	0.17	-	3.0
Drilling	JAN.5 '89 ~	JAN.5 '89	2.00	1.33	-	15.0
Removing	JAN.7 '89 ~	JAN.7 '89	0.50	0.17	-	3.0
Total	JAN.5 '89 ~	JAN.7 '89	3.00	1.67	-	21.0
Planned Length	30.00 m					
Increase in Length	5.00 m	Core Length	32.95 m	Depth m	Section %	Total %
Length Drilled	35.00 m	Core Recovery	94 %	0-35.00	94	94
Drilling	8° 45'	27 %	18 %	Drilling Efficiency		
Accompanying Works	23° 15'	73 %	48 %	35.00/3.00	Total Length Drilling Period	11.70 m/Day
Repairing	-	- %	- %	35.00/1.67	Total Length Working Days	20.96 m/Day
Total	32° 00'	100 %	66 %			
Preparation	4° 00'	-	8 %			
Moving	4° 00'	-	8 %	Drilled Length by Bit Size		
Others	8° 00'	-	17 %	Bit Size	86mm	66mm
Grand Total	48° 00'	-	100 %	Drilled Length	15.00m	20.00m
Pipe Size & Inserted Length	Inserted Length Drilling Length	Recovery of Casing Pipe	Core Length	15.00m	17.95m	m
86mm : 15.00m	43 %	100 %	Remarks			
-	%	%				
-	-	-				

Drill hole No. MJTY-16

	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	JAN.7 '89 ~	JAN.7 '89				
Preparation	JAN.7 '89 ~	JAN.7 '89	0.25	0.08	-	0.75
Drilling	JAN.7 '89 ~	JAN.10 '89	4.00	1.84	-	22.50
Removing	JAN.10 '89 ~	JAN.10 '89	0.25	0.08	-	0.75
Total	JAN.7 '89 ~	JAN.10 '89	4.50	2.00	-	24.00
Planned Length	30.00 m					
Increase in Length	0 m	Core Length	30.00 m	Depth m	Section %	Total %
Length Drilled	30.00 m	Core Recovery	100 %	0-30.00	100	100
Drilling	10° 30'	24 %	17 %	Drilling Efficiency		
Accompanying Works	33° 30'	76 %	52.3 %	30.00/4.50	Total Length Drilling Period	6.67 m/Day
Repairing	-	- %	- %	30.00/2.00	Total Length Working Days	15.00 m/Day
Total	44° 00'	100 %	69 %			
Preparation	2° 00'	-	3 %			
Moving	2° 00'	-	3 %	Drilled Length by Bit Size		
Others	16° 00'	-	25 %	Bit Size	86mm	66mm
Grand Total	64° 00'	-	100 %	Drilled Length	15.00m	15.00m
Pipe Size & Inserted Length	Inserted Length Drilling Length	Recovery of Casing Pipe	Core Length	15.00m	15.00m	m
86mm : 15.00m	50 %	100 %	Remarks			
-	%	%				
-	-	-				

Drill hole No. MJTY-17

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	JAN.12.'89 ~	JAN.12.'89				
Preparation	JAN.12.'89 ~	JAN.12.'89	0.25	0.08	-	0.75
Drilling	JAN.12.'89 ~	JAN.14.'89	2.50	1.84	-	16.50
Removing	JAN.14.'89 ~	JAN.14.'89	0.25	0.08	-	0.75
Total	JAN.12.'89 ~	JAN.14.'89	3.00	2.00	-	18.00
Planned Length	30.00 m Core Recovery for each 50m section					
Increase in Length	0 m	Core Length	30.00 m	Depth m	Section %	Total %
Length Drilled	30.00 m	Core Recovery	100 %	0-30.00	100	100
Drilling	11° 00'	25 %	23 %	Drilling Efficiency		
Accompanying Works	33° 00'	75 %	69 %	30.00/3.00	Total Length Drilling Period	10.00 m/Day
Repairing	-	- %	- %	30.00/2.00	Total Length Working Days	15.00 m/Day
Total	44° 00'	100 %	92 %			
Preparation	2° 00'	-	4 %			
Removing	20° 00'	-	4 %	Deilled Length by Bit Size		
Others	-	-	-	Bit Size	86mm	66mm
Grand Total	48° 00'	-	100 %	Drilled Length	13.00m	17.00m
Pipe Size & Inserted Length	Inserted Length	Recovery of Casing of Pipe	Core Length	Core Length	13.00m	17.00m
86mm : 13.00m	43 %	100 %	43 %	Remarks		
-	-	-	-			

Drill hole No. MJTY-18

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	JAN.10.'89 ~	JAN.10.'89				
Preparation	JAN.10.'89 ~	JAN.10.'89	0.50	0.17	-	1.5
Drilling	JAN.10.'89 ~	JAN.11.'89	2.90	1.33	-	15.0
Removing	JAN.12.'89 ~	JAN.12.'89	0.50	0.17	-	1.5
Total	JAN.10.'89 ~	JAN.12.'89	3.00	1.67	-	18.0
Planned Length	30.00 m Core Recovery for each 50m section					
Increase in Length	0 m	Core Length	30.00 m	Depth m	Section %	Total %
Length Drilled	30.00 m	Core Recovery	100 %	0-30.00	100	100
Drilling	10° 40'	33 %	22 %	Drilling Efficiency		
Accompanying Works	21° 20'	67 %	45 %	30.00/3.00	Total Length Drilling Period	10.00 m/Day
Repairing	-	- %	- %	30.00/1.67	Total Length Working Days	17.96 m/Day
Total	32° 00'	100 %	67 %			
Preparation	4° 00'	-	8 %			
Removing	4° 00'	-	8 %	Deilled Length by Bit Size		
Others	8° 00'	-	17 %	Bit Size	86mm	66mm
Grand Total	48° 00'	-	100 %	Drilled Length	13.00m	17.00m
Pipe Size & Inserted Length	Inserted Length	Recovery of Casing of Pipe	Core Length	Core Length	13.00m	17.00m
86mm : 15.00m	50 %	100 %	50 %	Remarks		
-	-	-	-			

Drill hole No. MJTY-19

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	DEC.29, '88 ~	DEC.29, '88 ~				
Preparation	DEC.29, '88 ~	DEC.29, '88	0.50	0.16	-	4.50
Drilling	DEC.29, '88 ~	JAN.4, '89	7.00	1.50	1.57 <small>maintenance</small>	37.50
Removing	JAN.5, '89 ~	JAN.5, '89	0.50	0.17	-	4.50
Total	DEC.29, '89 ~	JAN.5, '89	8.00	1.83	1.57	46.50
Planned Length	30.00 m Core Recovery for each 50m section					
Increase in Length	0 m	Core Length	27.90 m	Section %	Total %	
Length Drilled	30.00 m	Core Recovery	93 %	100	100	
Drilling	7° 15'	20 %	8 %	Drilling Efficiency		
Accompanying Works	28° 45'	30 %	31 %	Total Length Drilling Period	3.75 m./Day	
Repairing	-	- %	- %	Total Length Working Days	3.57 m./Day	
Total	36° 00'	100 %	39 %			
Preparation	4° 00'	-	4.5 %			
Removing	4° 00'	-	4.5 %	Drilled Length by Bit Size		
Others	48° 00'	-	52 %	Bit Size	86mm	66mm
Grand Total	92° 00'	-	100 %	Drilled Length	14.10m	15.90m
Pipe Size & Inserted Length	Inserted Length Drilling Length	Recovery of Casing of Pipe	Core Length	13.95m	13.85m	m
86mm : 14.00m	47 %	100 %	Remarks			
	%	%				
	-	-				

Drill hole No. MJTY-20

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	JAN.6, '89 ~	JAN.6, '89 ~				
Preparation	JAN.6, '89 ~	JAN.6, '89	1.00	0.33	-	12.0
Drilling	JAN.7, '89 ~	JAN.9, '89	3.00	2.34	-	15.0
Removing	JAN.10, '89 ~	JAN.10, '89	1.00	0.33	-	12.0
Total	JAN.6, '89 ~	JAN.10, '89	5.00	3.00	-	39.0
Planned Length	30.00 m Core Recovery for each 50m section					
Increase in Length	17.60 m	Core Length	46.00 m	Section %	Total %	
Length Drilled	47.60 m	Core Recovery	97 %	100	100	
Drilling	16° 20'	29 %	19 %	Drilling Efficiency		
Accompanying Works	39° 40'	71 %	45 %	Total Length Drilling Period	9.52 m./Day	
Repairing	-	- %	- %	Total Length Working Days	15.87 m./Day	
Total	56° 00'	100 %	64 %			
Preparation	8° 00'	-	9 %			
Removing	8° 00'	-	9 %	Drilled Length by Bit Size		
Others	16° 00'	-	18 %	Bit Size	86mm	66mm
Grand Total	88° 00'	-	100 %	Drilled Length	10.00m	37.60m
Pipe Size & Inserted Length	Inserted Length Drilling Length	Recovery of Casing of Pipe	Core Length	10.00m	36.00m	m
86mm : 10.00m	21 %	100 %	Remarks			
	%	%				
	-	-				

Drill hole No. MITY-21

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	JAN.16, '89 ~	JAN.16, '89				
Preparation	JAN.16, '89 ~	JAN.16, '89	0.25	0.08	-	2.25
Drilling	JAN.16, '89 ~	JAN.17, '89	2.00	1.84	-	16.50
Removing	JAN.18, '89 ~	JAN.18, '89	0.25	0.08	-	2.25
Total	JAN.16, '89 ~	JAN.18, '89	2.50	2.00	-	21.00
Planned Length	30.00 m					
Increase in Length	10.0 m	Core Length	40.00 m	Depth m	Section %	Total %
	40.00 m	Core Recovery	100 %	0~40.00	100	100
Length Drilled	-					
Drilling	12° 45'	29 %	23 %	Drilling Efficiency		
Accompanying Works	31° 15'	71 %	56 %	40.00/2.50	Total Length Drilling Period	16.00 m/Day
Repairing	-	- %	- %	40.00/2.00	Total Length Working Days	20.00 m/Day
Total	44° 00'	100 %	79 %			
Removing	Preparation	-	3.5 %			
	Moving	2° 00'	-			
Others	8° 00'	-	14%	Bit Size	86mm	66mm
Grand Total	56° 00'	-	100 %	Drilled Length	15.00m	25.00m
Pipe Size & Inserted Length	Inserted Length Drilling Length	Recovery of Casing Pipe	Core Length	m		
86mm : 16.00m	45 %	100 %	15.00m	Remarks		
	%	%				
	-	-	-			

Drill hole No. MITY-22

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	JAN.14, '89 ~	JAN.14, '89				
Preparation	JAN.14, '89 ~	JAN.14, '89	0.25	0.08	-	0.75
Drilling	JAN.14, '89 ~	JAN.15, '89	2.00	1.67	-	15.00
Removing	JAN.16, '89 ~	JAN.16, '89	0.25	0.08	-	0.75
Total	JAN.14, '89 ~	JAN.16, '89	2.50	1.83	-	16.50
Planned Length	30.00 m					
Increase in Length	0 m	Core Length	30.00 m	Depth m	Section %	Total %
	30.00 m	Core Recovery	100 %	0~30.00	-	-
Length Drilled	-					
Drilling	7° 30'	19 %	17 %	Drilling Efficiency		
Accompanying Works	32° 30'	81 %	74 %	30.00/2.50	Total Length Drilling Period	12.00 m/Day
Repairing	-	- %	- %	30.00/1.88	Total Length Working Days	16.39 m/Day
Total	40° 00'	100 %	91 %			
Removing	Preparation	-	4.5 %			
	Moving	2° 00'	-			
Others	-	-	-	Bit Size	86mm	66mm
Grand Total	44° 00'	-	100 %	Drilled Length	15.00m	15.00m
Pipe Size & Inserted Length	Inserted Length Drilling Length	Recovery of Casing Pipe	Core Length	m		
86mm : 15.00m	50 %	100 %	15.00m	Remarks		
	%	%				
	-	-	-			

Drill hole No. MJTY-23

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	JAN.10.'89 ~	JAN.10.'89 ~				
Preparation	JAN.10.'89 ~	JAN.10.'89	0.25	0.08	-	0.75
Drilling	JAN.10.'89 ~	JAN.11.'89	2.00	1.67	-	15.00
Removing	JAN.12.'89 ~	JAN.12.'89	0.25	0.08	-	0.75
Total	JAN.10.'89 ~	JAN.12.'89	2.50	1.83	-	16.50
Planned Length	30.00 m Core Recovery for each 50m section					
Increase in Length	0 m	Core Length	26.15 m	Section %	Total %	
Length Drilled	30.00 m	Core Recovery	87 %	87	87	
Drilling	9° 20'	23 %	21 %	Drilling Efficiency		
Accompanying Works	30° 40'	77 %	70 %	Total Length Drilling Period	12.00 m/Day	
Repairing	-	- %	- %	Total Length Working Days	16.89 m/Day	
Total	40° 00'	100 %	91 %			
Preparation	2° 00'	-	4.5 %			
Moving	2° 00'	-	4.5 %	Deilled Length by Bit Size		
Others	-	-	-	Bit Size	86mm	66mm
Grand Total	44° 00'	-	100 %	Drilled Length	20.00m	10.00m
Pipe Size & Inserted Length	Inserted Length - Drilling Length	Recovery of Casing of Pipe	Core Length	16.15m	10.00m	m
86mm : 20.00m	67 %	100 %	Remarks			
	%	%				
	-	-				

Drill hole No. MJTY-24

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	JAN.14.'89 ~	JAN.14.'89 ~				
Preparation	JAN.14.'89 ~	JAN.14.'89	0.50	0.16	-	1.5
Drilling	JAN.14.'89 ~	JAN.16.'89	3.00	2.67	-	24.0
Removing	JAN.17.'89 ~	JAN.17.'89	0.50	0.17	-	1.5
Total	JAN.14.'89 ~	JAN.17.'89	4.00	3.00	-	27.0
Planned Length	30.00 m Core Recovery for each 50m section					
Increase in Length	11.10 m	Core Length	40.30 m	Section %	Total %	
Length Drilled	41.10 m	Core Recovery	98 %	98	98	
Drilling	16° 50'	26 %	23 %	Drilling Efficiency		
Accompanying Works	47° 10'	74 %	66 %	Total Length Drilling Period	10.27 m/Day	
Repairing	-	- %	- %	Total Length Working Days	13.27 m/Day	
Total	64° 00'	100 %	89 %			
Preparation	4° 00'	-	5.5 %			
Moving	4° 00'	-	5.5 %	Deilled Length by Bit Size		
Others	-	-	-	Bit Size	86mm	66mm
Grand Total	72° 00'	-	100 %	Drilled Length	10.00m	31.10m
Pipe Size & Inserted Length	Inserted Length - Drilling Length	Recovery of Casing of Pipe	Core Length	10.00m	30.20m	m
86mm : 10.00m	24 %	100 %	Remarks			
	%	%				
	-	-				

Drill hole No. MJTY -- 25

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers	
	JAN.18. '89 ~	JAN.18. '89 ~					
Preparation	JAN.18. '89 ~	JAN.18. '89	0.25	0.06	-	0.75	
Drilling	JAN.18. '89 ~	JAN.19. '89	2.00	1.50	-	13.50	
Removing	JAN.20. '89 ~	JAN.20. '89	0.25	0.09	-	0.75	
Total	JAN.18. '89 ~	JAN.20. '89	2.50	1.67	-	15.00	
Planned Length	30.00 m						Core Recovery for each 50m section
Increase in Length	0 m	Core Length	30.00 m	Section %	Total %		
Length Drilled	30.00 m	Core Recovery	100 %	100	100		
Drilling	10° 20'	29 %	26 %	Drilling Efficiency			
Accompanying Works	25° 40'	71 %	64 %	Total Length	12.00 m/Day		
Repairing	-	- %	- %	30.00/1.67	17.96 m/Day		
Total	36° 00'	100 %	90 %				
Preparation	2° 00'	-	5 %				
Moving	2° 00'	-	5 %	Deilled Length by Bit Size			
Others	-	-	-	Bit Size	86mm	66mm	
Grand Total	40° 00'	-	100 %	Drilled Length	14.00m	16.00m	
Pipe Size & Inserted Length	Inserted Length / Drilling Length	Core Length	Recovery of Casing Pipe	Core Length	14.00m	16.00m	
86mm : 14.00m	47 %	47 %	100 %	Remarks			
	%	%	%				
	-	-	-				

Drill hole No. MJTY - 26

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers	
	JAN.12. '89 ~	JAN.12. '89 ~					
Preparation	JAN.12. '89 ~	JAN.12. '89	0.50	0.17	-	1.50	
Drilling	JAN.12. '89 ~	JAN.13. '89	2.00	1.88	-	16.00	
Removing	JAN.14. '89 ~	JAN.14. '89	0.50	0.17	-	1.50	
Total	JAN.12. '89 ~	JAN.14. '89	3.00	2.17	-	19.50	
Planned Length	30.00 m						Core Recovery for each 50m section
Increase in Length	12.35 m	Core Length	42.05 m	Section %	Total %		
Length Drilled	42.35 m	Core Recovery	99 %	99	99		
Drilling	19° 50'	45 %	38 %	Drilling Efficiency			
Accompanying Works	24° 10'	55 %	46 %	Total Length	14.17 m/Day		
Repairing	-	- %	- %	42.35/2.17	19.52 m/Day		
Total	44° 00'	100 %	84 %				
Preparation	4° 00'	-	8 %				
Moving	4° 00'	-	8 %	Deilled Length by Bit Size			
Others	-	-	-	Bit Size	86mm	66mm	
Grand Total	52° 00'	-	100 %	Drilled Length	15.00m	27.35m	
Pipe Size & Inserted Length	Inserted Length / Drilling Length	Core Length	Recovery of Casing Pipe	Core Length	15.00m	27.05m	
86mm : 15.00m	35 %	35 %	100 %	Remarks			
	%	%	%				
	-	-	-				

Drill hole No. MJTY-27

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	JAN.23, '89 ~ JAN.28, '89	JAN.29, '89 ~ JAN.30, '89				
Preparation			0.50	0.17	-	1.5
Drilling			2.00	1.83	-	16.5
Removing			0.50	0.17	-	1.5
Total			3.00	2.17	-	19.5
Planned Length	30.00 m					
Increase in Length	0 m	Core Length	30.00 m	Core Recovery for each 50m section		
	30.00 m	Core Recovery	100 %	Depth m	Section %	Total %
Drilling	16° 05'	37 %	31 %	Drilling Efficiency		
Accompanying Works	27° 55'	63 %	54 %	30.00/3.00	Total Length Drilling Period	10.00 m/Day
Repairing	-	- %	- %	30.00/2.17	Total Length Working Days	13.82 m/Day
Total	44° 00'	100 %	85 %	Deilled Length by Bit Size		
Removing	Preparation	-	7.5 %	Deilled Length by Bit Size		
	Moving	4° 00'	7.5 %	Deilled Length by Bit Size		
Others	-	-	-	Bit Size	86mm	66mm
Grand Total	52° 00'	-	100 %	Drilled Length	15.00m	15.00m
Pipe Size & Inserted Length	Inserted Length	Recovery of Casing Pipe	Remarks			
	86mm : 15.00m	50 %	100 %	Remarks		
Inserted Casing Pipe	-	-	-	Remarks		

Drill hole No. MJTY-28

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	JAN.26, '89 ~ JAN.26, '89	JAN.27, '89 ~ JAN.28, '89				
Preparation			0.25	0.08	-	0.75
Drilling			2.00	2.00	-	28.0
Removing			0.25	0.09	-	0.75
Total			2.50	2.17	-	29.5
Planned Length	30.00 m					
Increase in Length	0 m	Core Length	30.00 m	Core Recovery for each 50m section		
	30.00 m	Core Recovery	100 %	Depth m	Section %	Total %
Drilling	9° 10'	19 %	17 %	Drilling Efficiency		
Accompanying Works	38° 50'	81 %	75 %	30.00/2.50	Total Length Drilling Period	12.00 m/Day
Repairing	-	- %	- %	30.00/2.17	Total Length Working Days	13.82 m/Day
Total	48° 00'	100 %	92 %	Deilled Length by Bit Size		
Removing	Preparation	-	4 %	Deilled Length by Bit Size		
	Moving	2° 00'	4 %	Deilled Length by Bit Size		
Others	-	-	-	Bit Size	86mm	66mm
Grand Total	52° 00'	-	100 %	Drilled Length	15.00m	15.00m
Pipe Size & Inserted Length	Inserted Length	Recovery of Casing Pipe	Remarks			
	86mm : 15.00m	50 %	100 %	Remarks		
Inserted Casing Pipe	-	-	-	Remarks		



Drill hole No. MJTY-29

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	FEB.3 '89 ~ FEB.3 '89	FEB.4 '89 ~ FEB.5 '89				
Preparation	FEB.3 '89 ~ FEB.3 '89		0.50	0.17	-	1.5
Drilling	FEB.3 '89 ~ FEB.4 '89		2.00	1.83	-	16.5
Removing	FEB.5 '89 ~ FEB.5 '89		0.50	0.17	-	1.5
Total	FEB.3 '89 ~ FEB.5 '89		2.50	2.17	-	19.5
Planned Length	30.00 m					
Increase in Length	9.00 m	Core Length	38.50 m	Depth m	Section %	Total %
	39.00 m	Core Recovery	99 %	0-39.00	99	99
Drilling	16° 40'	38 %	32 %	Drilling Efficiency		
Accompanying Works	27° 20'	62 %	52 %	39.00/3.00	Total Length Drilling Period	13.00 m/Day
Repairing	-	- %	- %	39.00/2.17	Total Length Working Days	17.97 m/Day
Total	44° 00'	100 %	84 %			
Preparation	4° 00'	-	8 %			
	4° 00'	-	8 %			
Others	-	-	-	Bit Size	86mm	66mm
Grand Total	52° 00'	-	100 %	Drilled Length	8.50m	30.50m
Pipe Size & Inserted Length	Inserted Length - Drilling Length	Recovery of Casing Pipe	Core Length	8.50m	30.00m	m
	86mm : 9.00m	23 %	100 %	Remarks		
Inserted Casing Pipe	%	%				
	-	-				

Drill hole No. MJTY-30

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	FEB.1 '89 ~ FEB.1 '89	FEB.2 '89 ~ FEB.3 '89				
Preparation	FEB.1 '89 ~ FEB.1 '89		0.25	0.08	-	0.75
Drilling	FEB.1 '89 ~ FEB.2 '89		2.00	1.67	-	15.00
Removing	FEB.3 '89 ~ FEB.3 '89		0.25	0.08	-	0.75
Total	FEB.1 '89 ~ FEB.3 '89		2.50	1.83	-	16.50
Planned Length	30.00 m					
Increase in Length	0 m	Core Length	30.00 m	Depth m	Section %	Total %
	30.00 m	Core Recovery	100 %	0-30.00	100	100
Drilling	10° 30'	26 %	24 %	Drilling Efficiency		
Accompanying Works	29° 30'	74 %	67 %	30.00/2.50	Total Length Drilling Period	12.00 m/Day
Repairing	-	- %	- %	30.00/1.83	Total Length Working Days	16.39 m/Day
Total	40° 00'	100 %	91 %			
Preparation	2° 00'	-	4.5 %			
	2° 00'	-	4.5 %			
Others	-	-	-	Bit Size	86mm	66mm
Grand Total	44° 00'	-	100 %	Drilled Length	10.00m	20.00m
Pipe Size & Inserted Length	Inserted Length - Drilling Length	Recovery of Casing Pipe	Core Length	10.00m	20.00m	m
	86mm : 10.00m	33 %	100 %	Remarks		
Inserted Casing Pipe	%	%				
	-	-				

Drill hole No. MJTY-31

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	FEB.5 '89 ~ FEB.5 '89	FEB.6 '89 ~ FEB.8 '89				
Preparation			0.5	0.16	-	8.0
Drilling			2.00	1.67	-	15.0
Removing			1.50	0.50	-	24.0
Total			4.00	2.33	-	47.0
Planned Length	30.00 m Core Recovery for each 50m section					
Increase in Length	0 m	Core Length	30.00 m	Depth m	Section %	Total %
Length Drilled	30.00 m	Core Recovery	100 %	0-30.00	100	100
Drilling	17° 20'	43 %	31 %	Drilling Efficiency		
Accompanying Works	22° 40'	57 %	41 %	30.00/4.00	Total Length Drilling Period	7.50 m/Day
Repairing	-	- %	- %	30.00/2.33	Total Length Working Days	12.88 m/Day
Total	40° 00'	100 %	72 %			
Preparation	4° 00'	-	7 %			
Moving	12° 00'	-	21 %	Deilled Length by Bit Size		
Others	-	-	-	Bit Size	86mm	66mm
Grand Total	56° 00'	-	100 %	Drilled Length	9.20m	20.80m
Pipe Size & Inserted Length	Inserted Length - Drilling Length	Recovery of Casing of Pipe	Core Length	Remarks		
86mm : 9.00m	30 %	100 %	20.80m			
	%	%				
	-	-	-			

Drill hole No. MJTY-32

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	JAN.30 '89 ~ JAN.30 '89	JAN.31 '89 ~ FEB.1 '89				
Preparation			0.50	0.16	-	1.5
Drilling			2.00	1.67	-	15.0
Removing			0.50	0.17	-	1.5
Total			3.00	2.00	-	18.0
Planned Length	30.00 m Core Recovery for each 50m section					
Increase in Length	0 m	Core Length	30.00 m	Depth m	Section %	Total %
Length Drilled	30.00 m	Core Recovery	100 %	0-30.00	100	100
Drilling	9° 45'	24 %	20 %	Drilling Efficiency		
Accompanying Works	30° 15'	75 %	63 %	30.00/3.00	Total Length Drilling Period	10.00 m/Day
Repairing	-	- %	- %	30.00/2.00	Total Length Working Days	15.00 m/Day
Total	40° 00'	100 %	83 %			
Preparation	4° 00'	-	8.5 %			
Moving	4° 00'	-	8.5 %	Deilled Length by Bit Size		
Others	-	-	-	Bit Size	86mm	66mm
Grand Total	48° 00'	-	100 %	Drilled Length	6.70m	23.30m
Pipe Size & Inserted Length	Inserted Length - Drilling Length	Recovery of Casing of Pipe	Core Length	Remarks		
86mm : 9.00m	30 %	100 %	23.30m			
	%	%				
	-	-	-			

Drill hole No. MJTY-33

	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	JAN.26.'89 ~	JAN.26.'89				
Preparation	JAN.26.'89 ~	JAN.26.'89	0.50	0.16	-	1.5
Drilling	JAN.26.'89 ~	JAN.27.'89	2.00	1.67	-	15.0
Removing	JAN.28.'89 ~	JAN.28.'89	0.50	0.17	-	1.5
Total	JAN.26.'89 ~	JAN.28.'89	3.00	2.00	-	18.00
Planned Length	30.00 m					
Core Recovery for each 50m section						
Increase in Length	0 m	Core Length	30.00 m	Depth m	Section %	Total %
Length Drilled	30.00 m	Core Recovery	100 %	0-30.00	100	100
Drilling	7° 45'	19 %	16 %	Drilling Efficiency		
Accompanying Works	32° 15'	81 %	67 %	30.00/3.00	Total Length Drilling Period	10.00 m/Day
Repairing	-	- %	- %	30.00/2.00	Total Length Working Days	15.00 m/Day
Total	40° 00'	100 %	83 %			
Preparation	4° 00'	-	8.5 %			
Moving	4° 00'	-	8.5 %			
Others	-	-	-	Deilled Length by Bit Size		
Grand Total	48° 00'	-	100 %	Drilled Length	86mm	66mm
Pipe Size & Inserted Length	Inserted Length Drilling Length	Recovery of Casing Pipe	Core Length	15.00m	15.00m	15.00m
86mm : 15.00m	50 %	100 %	Remarks			
	%	%				
	-	-				

Drill hole No. MJTY-34

	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	JAN.28.'89 ~	JAN.28.'89				
Preparation	JAN.28.'89 ~	JAN.28.'89	0.50	0.16	-	1.5
Drilling	JAN.28.'89 ~	JAN.29.'89	2.00	1.67	-	15.0
Removing	JAN.30.'89 ~	JAN.30.'89	0.50	0.17	-	1.5
Total	JAN.28.'89 ~	JAN.30.'89	3.00	2.00	-	18.0
Planned Length	30.00 m					
Core Recovery for each 50m section						
Increase in Length	5 m	Core Length	35.00 m	Depth m	Section %	Total %
Length Drilled	35.00 m	Core Recovery	100 %	0-35.00	100	100
Drilling	10° 50'	27 %	23 %	Drilling Efficiency		
Accompanying Works	29° 10'	73 %	61 %	35.00/3.00	Total Length Drilling Period	11.67 m/Day
Repairing	-	- %	- %	35.00/2.00	Total Length Working Days	17.50 m/Day
Total	40° 00'	100 %	84 %			
Preparation	4° 00'	-	8 %			
Moving	4° 00'	-	8 %			
Others	-	-	-	Deilled Length by Bit Size		
Grand Total	48° 00'	-	100 %	Drilled Length	85mm	66mm
Pipe Size & Inserted Length	Inserted Length Drilling Length	Recovery of Casing Pipe	Core Length	15.00m	15.00m	15.00m
86mm : 15.00m	43 %	100 %	Remarks			
	%	%				
	-	-				

Drill hole No. MJTY-85

	Period		Number of Working Days	Actual Working Days	Day off	Total Number of Workers
	FEB.12, '89 ~ FEB.12, '89	FEB.13, '89 ~ FEB.14, '89				
Preparation	FEB.12, '89 ~ FEB.12, '89		0.50	0.16	-	1.5
Drilling	FEB.12, '89 ~ FEB.13, '89		2.00	1.67	-	15.0
Removing	FEB.14, '89 ~ FEB.14, '89		0.50	0.17	-	1.5
Total	FEB.12, '89 ~ FEB.14, '89		3.00	2.00	-	18.0
Planned Length	30.00 m					
Increase in Length	0 m	Core Length	30.00 m	Depth m	Section %	Total %
	30.00 m	Core Recovery	100 %	0~30.00	100	100
Length Drilled	-					
Drilling	8° 10'	20 %	17 %	Drilling Efficiency		
Accompanying Works	31° 50'	80 %	67 %	30.00/3.00	Total Length Drilling Period	10.00 m/Day
Repairing	-	- %	- %	30.00/2.00	Total Length Working Days	15.00 m/Day
Total	40° 00'	100 %	84 %			
Preparation	4° 00'	-	8 %			
Moving	4° 00'	-	8 %	Deilled Length by Bit Size		
Others	-	-	-	Bit Size	86mm	66mm
Grand Total	48° 00'	-	100 %	Drilled Length	9.15m	20.85m
Pipe Size & Inserted Length	Inserted Length - Drilling Length	Recovery of Casing Pipe	Core Length	9.15m	20.85m	m
86mm : 9.00m	30 %	100 %	Remarks			
	%	%				
	-	-				

Drill hole No. MJTY-86

	Period		Number of Working Days	Actual Working Days	Day off	Total Number of Workers
	FEB.4, '89 ~ FEB.4, '89	FEB.5, '89 ~ FEB.7, '89				
Preparation	FEB.4, '89 ~ FEB.4, '89		0.50	0.17	-	7.0
Drilling	FEB.4, '89 ~ FEB.5, '89		2.00	1.83	-	16.5
Removing	FEB.6, '89 ~ FEB.7, '89		1.50	0.50	-	21.0
Total	FEB.4, '89 ~ FEB.7, '89		4.00	2.50	-	44.5
Planned Length	30.00 m					
Increase in Length	16.30 m	Core Length	43.35 m	Depth m	Section %	Total %
	46.30 m	Core Recovery	94 %	0~46.30	94	94
Length Drilled	-					
Drilling	13° 00'	30 %	22 %	Drilling Efficiency		
Accompanying Works	31° 00'	70 %	52 %	46.30/4.00	Total Length Drilling Period	11.58 m/Day
Repairing	-	- %	- %	46.30/2.50	Total Length Working Days	18.52 m/Day
Total	44° 00'	100 %	73 %			
Preparation	4° 00'	-	7 %			
Moving	12° 00'	-	20 %	Deilled Length by Bit Size		
Others	-	-	-	Bit Size	86mm	66mm
Grand Total	60° 00'	-	100 %	Drilled Length	15.00m	31.30m
Pipe Size & Inserted Length	Inserted Length - Drilling Length	Recovery of Casing Pipe	Core Length	15.00m	28.35m	m
86mm : 15.00m	32 %	100 %	Remarks			
	%	%				
	-	-				

Drill hole No. MJTY-37

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	FEB.1 '89 ~ FEB.1 '89	FEB.1 '89 ~ FEB.1 '89				
Preparation	FEB.1 '89 ~ FEB.1 '89	FEB.1 '89 ~ FEB.1 '89	0.25	0.08	-	0.75
Drilling	FEB.1 '89 ~ FEB.3 '89	FEB.3 '89 ~ FEB.3 '89	3.00	2.50	-	25.5
Removing	FEB.4 '89 ~ FEB.4 '89	FEB.4 '89 ~ FEB.4 '89	0.25	0.09	-	0.75
Total	FEB.1 '89 ~ FEB.4 '89	FEB.4 '89 ~ FEB.4 '89	3.50	2.67	-	27.0
Planned Length	30.00 m Core Recovery for each 50m section					
Drilling Length	Increase in Length	19.00 m	48.15 m	Section %	Total %	
	Length Drilled	49.00 m	98 %	98	98	98
Working Time	Drilling	16° 50'	28 %	23 %	Drilling Efficiency	
	Accompanying Works	43° 10'	72 %	60 %	Total Length Drilling Period	14.00 m/Day
Working Period	Repairing	-	- %	- %	Total Length Working Days	18.35 m/Day
	Total	60° 00'	100 %	83 %		
Working Time	Preparation	2° 00'	-	3 %		
	Moving	2° 00'	-	3 %	Deilled Length by Bit Size	
Working Period	Others	8° 00'	-	11 %	Bit Size	66mm mm
	Grand Total	72° 00'	-	100 %	Drilled Length	9.00m 40.00m m
Inserted Casing Pipe	Pipe Size & Inserted Length	Inserted Length - Drilling Length	Recovery of Casing Pipe	Core Length	9.00m	39.15m m
	86mm : 18.00m	87 %	100 %	Remarks		
		%	%			

Drill hole No. MJTY-38

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	JAN.30 '89 ~ JAN.30 '89	JAN.30 '89 ~ JAN.31 '89				
Preparation	JAN.30 '89 ~ JAN.30 '89	JAN.30 '89 ~ JAN.30 '89	0.25	0.08	-	0.75
Drilling	JAN.30 '89 ~ JAN.31 '89	JAN.31 '89 ~ JAN.31 '89	2.00	1.67	-	15.00
Removing	FEB.1 '89 ~ FEB.1 '89	FEB.1 '89 ~ FEB.1 '89	0.25	0.08	-	0.75
Total	JAN.30 '89 ~ FEB.1 '89	FEB.1 '89 ~ FEB.1 '89	2.50	1.83	-	16.50
Planned Length	30.00 m Core Recovery for each 50m section					
Drilling Length	Increase in Length	0 m	30.00 m	Section %	Total %	
	Length Drilled	30.00 m	100 %	100	100	100
Working Time	Drilling	9° 20'	23 %	21 %	Drilling Efficiency	
	Accompanying Works	30° 40'	77 %	70 %	Total Length Drilling Period	12.00 m/Day
Working Period	Repairing	-	- %	- %	Total Length Working Days	16.39 m/Day
	Total	40° 00'	100 %	91 %		
Working Time	Preparation	2° 00'	-	4.5 %		
	Moving	2° 00'	-	4.5 %	Deilled Length by Bit Size	
Working Period	Others	-	-	-	Bit Size	86mm 66mm mm
	Grand Total	44° 00'	-	100 %	Drilled Length	9.00m 23.00m m
Inserted Casing Pipe	Pipe Size & Inserted Length	Inserted Length - Drilling Length	Recovery of Casing Pipe	Core Length	9.00m	23.00m m
	86mm : 9.00m	28 %	100 %	Remarks		
		%	%			

Drill hole No. MJTY-39

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	FEB.10.'89 ~ FEB.10.'89	FEB.10.'89 ~ FEB.10.'89				
Preparation	FEB.10.'89 ~ FEB.10.'89		0.50	0.17	-	1.50
Drilling	FEB.10.'89 ~ FEB.11.'89		2.00	1.83	-	16.50
Removing	FEB.12.'89 ~ FEB.12.'89		0.50	0.17	-	1.50
Total	FEB.10.'89 ~ FEB.12.'89		3.00	2.17	-	19.50
Planned Length	80.00 m					
Increase in Length Drilled	4.50 m	Core Length	32.80 m	Section %	Total %	
	34.50 m	Core Recovery	95 %	95	95	
Drilling	13° 30'	31 %	30 %	Drilling Efficiency		
Accompanying Works	30° 30'	69 %	59 %	Total Length Drilling Period	11.50 m/Day	
Repairing	-	- %	- %	Total Length Working Days	15.90 m/Day	
Total		100 %	89 %			
Preparation	4° 00'	-	5.5 %			
	Moving	4° 00'	-	5.5 %	Detailed Length by Bit Size	
Others	-	-	-	Bit Size	86mm	66mm
Grand Total	52° 00'	-	100 %	Drilled Length	10.00m	24.50m
Pipe Size & inserted Length	Inserted Length / Drilling Length		Recovery of Casing Pipe		Core Length	
	-		-		23.30m	
Inserted Casing Pipe	86mm : 10.00m		29 %		Remarks	
	-		%		-	

Drill hole No. MJTY-40

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	FEB.8.'89 ~ FEB.8.'89	FEB.8.'89 ~ FEB.8.'89				
Preparation	FEB.8.'89 ~ FEB.8.'89		0.25	0.08	-	0.75
Drilling	FEB.8.'89 ~ FEB.9.'89		2.00	2.00	-	18.00
Removing	FEB.10.'89 ~ FEB.10.'89		0.25	0.09	-	0.75
Total	FEB.8.'89 ~ FEB.10.'89		2.50	2.17	-	19.50
Planned Length	80.00 m					
Increase in Length Drilled	8.70 m	Core Length	36.80 m	Section %	Total %	
	38.70 m	Core Recovery	95 %	95	95	
Drilling	9° 00'	19 %	16 %	Drilling Efficiency		
Accompanying Works	39° 00'	81 %	70 %	Total Length Drilling Period	12.90 m/Day	
Repairing	-	- %	- %	Total Length Working Days	17.83 m/Day	
Total	48° 00'	100 %	86 %			
Preparation	2° 00'	-	7 %			
	Moving	2° 00'	-	7 %	Detailed Length by Bit Size	
Others	-	-	-	Bit Size	86mm	66mm
Grand Total	52° 00'	-	100 %	Drilled Length	10.00m	28.70m
Pipe Size & inserted Length	Inserted Length / Drilling Length		Recovery of Casing Pipe		Core Length	
	-		-		26.80m	
Inserted Casing Pipe	86mm : 10.00m		26 %		Remarks	
	-		%		-	

Drill hole No. MJTY-41

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	FEB.19, '89 ~ FEB.19, '89	FEB.20, '89 ~ FEB.21, '89				
Preparation	FEB.19, '89	FEB.19, '89	0.25	0.08	-	0.75
Drilling	FEB.19, '89	FEB.20, '89	2.00	1.67	-	15.00
Removing	FEB.21, '89	FEB.21, '89	0.25	0.08	-	0.75
Total	FEB.19, '89 ~ FEB.21, '89	FEB.21, '89	2.50	1.83	-	16.50
Planned Length	30.00 m					
Increase in Length	0 m	Core Length	30.00 m	Depth m	Section %	Total %
Length Drilled	30.00 m	Core Recovery	100 %	0~30.00	100	100
Drilling	10° 50'	27 %	25 %	Drilling Efficiency		
Accompanying Works	29° 10'	73 %	66 %	30.00/2.50	Total Length Drilling Period	12.00 m/Day
Repairing	-	-	-	30.00/1.83	Total Length Working Days	16.39 m/Day
Total	40° 00'	100 %	91 %	Deilled Length by Bit Size		
Preparation	2° 00'	-	4.5 %	Deilled Length by Bit Size		
Moving	2° 00'	-	4.5 %	Deilled Length by Bit Size		
Others	-	-	-	Bit Size	86mm	66mm
Grand Total	44° 00'	-	100 %	Drilled Length	3.00m	27.00m
Pipe Size & Inserted Length	Inserted Length / Drilling Length	Recovery of Casing Pipe	Core Length	3.00m	27.00m	m
86mm : 3.00m	10 %	100 %	Remarks			
	%	%				
	-	-				

Drill hole No. MJTY-42

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	FEB.17, '89 ~ FEB.17, '89	FEB.18, '89 ~ FEB.19, '89				
Preparation	FEB.17, '89	FEB.17, '89	0.50	0.17	-	0.75
Drilling	FEB.17, '89	FEB.18, '89	2.00	1.83	-	16.50
Removing	FEB.19, '89	FEB.19, '89	0.50	0.17	-	0.75
Total	FEB.17, '89 ~ FEB.19, '89	FEB.19, '89	3.00	2.17	-	19.50
Planned Length	30.00 m					
Increase in Length	3.00 m	Core Length	33.00 m	Depth m	Section %	Total %
Length Drilled	33.00 m	Core Recovery	100 %	0~33.00	100	100
Drilling	13° 10'	30 %	25 %	Drilling Efficiency		
Accompanying Works	30° 50'	70 %	59 %	33.00/3.00	Total Length Drilling Period	11.00 m/Day
Repairing	-	-	-	33.00/2.17	Total Length Working Days	15.21 m/Day
Total	44° 00'	100 %	84 %	Deilled Length by Bit Size		
Preparation	4° 00'	-	8 %	Deilled Length by Bit Size		
Moving	4° 00'	-	8 %	Deilled Length by Bit Size		
Others	-	-	-	Bit Size	86mm	66mm
Grand Total	52° 00'	-	100 %	Drilled Length	10.00m	20.00m
Pipe Size & Inserted Length	Inserted Length / Drilling Length	Recovery of Casing Pipe	Core Length	10.00m	20.00m	m
86mm : 10.00m	30 %	100 %	Remarks			
	%	%				
	-	-				

Drill hole No. MJTY-43

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	FEB.14.'89 ~ FEB.14.'89	FEB.14.'89 ~ FEB.14.'89				
Preparation	FEB.14.'89 ~ FEB.14.'89	FEB.14.'89	0.25	0.08	-	0.75
Drilling	FEB.14.'89 ~ FEB.16.'89	FEB.16.'89	3.00	2.67	-	24.00
Removing	FEB.17.'89 ~ FEB.17.'89	FEB.17.'89	0.25	0.08	-	0.75
Total	FEB.14.'89 ~ FEB.17.'89	FEB.17.'89	3.50	2.83	-	25.50
Planned Length	30.00 m					
Increase in Length	20.00 m	Core Length	50.00 m	Core Recovery for each 50m section		
	50.00 m	Core Recovery	100 %	Depth m	Section %	Total %
Drilling	22° 30'	35 %	33 %	0-50.00	100	100
Accompanying Works	41° 30'	65 %	61 %	Drilling Efficiency		
Repairing	-	- %	- %	Total Length Drilling Period		
	64° 00'	100 %	94 %	50.00/3.50	14.28 m/Day	
Total	2° 00'	-	3 %	Total Length Working Days		
	2° 00'	-	3 %	50.00/2.83	17.67 m/Day	
Preparation	Deilled Length by Bit Size					
	86mm	66mm	66mm	mm		
Moving	Deilled Length by Bit Size					
	86mm	66mm	66mm	mm		
Grand Total	Deilled Length by Bit Size					
	86mm	66mm	66mm	mm		
Pipe Size & Inserted Length	Inserted Length	Core Length	Recovery of Casing Pipe	Remarks		
	86mm : 10.00m	20 %	100 %	100 %		
Inserted Casing Pipe	Remarks					
	86mm : 10.00m					

Drill hole No. MJTY-44

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	FEB.25.'89 ~ FEB.25.'89	FEB.25.'89 ~ FEB.25.'89				
Preparation	FEB.25.'89 ~ FEB.25.'89	FEB.25.'89	0.50	0.06	-	1.5
Drilling	FEB.25.'89 ~ FEB.26.'89	FEB.26.'89	2.00	4.00	-	15.0
Removing	FEB.27.'89 ~ MAR.7.'89	MAR.7.'89	8.50	0.42	-	66.0
Total	FEB.25.'89 ~ MAR.7.'89	MAR.7.'89	11.00	4.50	-	82.5
Planned Length	30.00 m					
Increase in Length	0 m	Core Length	30.00 m	Core Recovery for each 50m section		
	30.00 m	Core Recovery	100 %	Depth m	Section %	Total %
Drilling	12° 50'	13 %	11 %	0-30.00	100	100
Accompanying Works	89° 10'	87 %	72 %	Drilling Efficiency		
Repairing	-	- %	- %	Total Length Drilling Period		
	96° 00'	100 %	83 %	30.00/11.00	2.73 m/Day	
Total	2° 00'	-	2 %	Total Length Working Days		
	10° 00'	-	8 %	30.00/4.50	6.67 m/Day	
Preparation	Deilled Length by Bit Size					
	86mm	66mm	66mm	mm		
Moving	Deilled Length by Bit Size					
	86mm	66mm	66mm	mm		
Grand Total	Deilled Length by Bit Size					
	86mm	66mm	66mm	mm		
Pipe Size & Inserted Length	Inserted Length	Core Length	Recovery of Casing Pipe	Remarks		
	86mm : 10.00m	33 %	100 %	100 %		
Inserted Casing Pipe	Remarks					
	86mm : 10.00m					



Drill hole No. MJTY-45

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	0 m	Core Length				
Preparation	FEB.21, '89 ~ FEB.21, '89	30.00 m	0.25	0.06	-	0.75
Drilling	FEB.21, '89 ~ FEB.22, '89	30.00 m	2.00	1.83	-	16.50
Removing	FEB.23, '89 ~ FEB.23, '89	30.00 m	0.25	0.09	-	0.75
Total	FEB.21, '89 ~ FEB.23, '89	30.00 m	2.50	2.00	-	18.00
Planned Length	30.00 m					
Drilling Length	Increase in Length	0 m	Core Length	Depth m	Section %	Total %
	Length Drilled	30.00 m	Core Recovery	0~30.00	100	100
Drilling	23° 40'	54 %	49 %	Drilling Efficiency		
Accompanying Works	20° 20'	46 %	43 %	30.00/2.50	Total Length Drilling Period	12.00 m/Day
Repairing	-	- %	- %	30.00/2.00	Total Length Working Days	15.00 m/Day
Total	44° 00'	100 %	92 %			
Working Time	Preparation	2° 00'	-	4 %		
	Moving	2° 00'	-	4 %		
Inserted Casing Pipe	Others	-	-	Bit Size	86mm	66mm
	Grand Total	48° 00'	-	100 %	Drilled Length	9.00m
Inserted Casing Pipe	Pipe Size & Inserted Length	Inserted Length / Drilling Length	Recovery of Casing Pipe	Core Length	21.00m	21.00m
	86mm : 9.00m	30 %	100 %	Remarks		
		%	%			
		-	-			

Drill hole No. MJTY-46

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	0 m	Core Length				
Preparation	FEB.23, '89 ~ FEB.23, '89	30.00 m	0.50	0.17	-	1.50
Drilling	FEB.23, '89 ~ FEB.24, '89	30.00 m	2.00	1.83	-	16.50
Removing	FEB.25, '89 ~ FEB.25, '89	30.00 m	0.50	0.17	-	1.50
Total	FEB.23, '89 ~ FEB.25, '89	30.00 m	3.00	2.17	-	19.50
Planned Length	30.00 m					
Drilling Length	Increase in Length	0 m	Core Length	Depth m	Section %	Total %
	Length Drilled	30.00 m	Core Recovery	0~30.00	100	100
Drilling	18° 50'	43 %	36 %	Drilling Efficiency		
Accompanying Works	25° 10'	57 %	48 %	30.00/3.00	Total Length Drilling Period	10.00 m/Day
Repairing	-	- %	- %	30.00/2.17	Total Length Working Days	13.82 m/Day
Total	44° 00'	100 %	84 %			
Working Time	Preparation	4°	-	8 %		
	Moving	4° 00'	-	8 %		
Inserted Casing Pipe	Others	-	-	Bit Size	86mm	66mm
	Grand Total	52° 00'	-	100 %	Drilled Length	10.00m
Inserted Casing Pipe	Pipe Size & Inserted Length	Inserted Length / Drilling Length	Recovery of Casing Pipe	Core Length	10.00m	20.00m
	86mm : 16.00m	53 %	100 %	Remarks		
		%	%			
		-	-			

Drill hole No. MJTY-47

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	FEB.11.'89 ~ FEB.11.'89	FEB.12.'89 ~ FEB.13.'89				
Preparation			0.25	0.08	-	0.75
Drilling			2.00	1.83	-	16.50
Removing			0.25	0.09	-	0.75
Total			2.50	2.00	-	18.00
Planned Length	30.00 m					
Increase in Length	0 m	Core Length	30.00 m	Depth m	Section %	Total %
	30.00 m	Core Recovery	100 %	0~30.00	100	100
Drilling	9° 30'	22 %	20 %	Drilling Efficiency		
Accompanying Works	34° 30'	78 %	72 %	30.00/2.50	Total Length Drilling Period	12.00 m/Day
Repairing	-	- %	- %	30.00/2.00	Total Length Working Days	15.00 m/Day
Total	44° 00'	100 %	92 %			
Removing	Preparation	-	4 %			
	Moving	2° 00'	4 %			
Others	-	-	-	Bit Size	Deilted Length by Bit Size	
Grand Total	48° 00'	-	100 %	Drilled Length	10.00m	20.00m
Pipe Size & Inserted Length	Inserted Length / Drilling Length	Recovery of Casing Pipe	Core Length	10.00m	20.00m	m
Inserted Casing Pipe	86mm : 10.00m	30 %	100 %	Remarks		
		%	%			

Drill hole No. MJTY-48

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	FEB.9.'89 ~ FEB.9.'89	FEB.10.'89 ~ FEB.11.'89				
Preparation			0.25	0.08	-	0.75
Drilling			2.00	1.67	-	18.00
Removing			0.25	0.08	-	0.75
Total			2.50	1.83	-	19.50
Planned Length	30.00 m					
Increase in Length	0 m	Core Length	30.00 m	Depth m	Section %	Total %
	30.00 m	Core Recovery	100 %	0~30.00	100	100
Drilling	9° 00'	28 %	17 %	Drilling Efficiency		
Accompanying Works	31° 00'	77 %	60 %	30.00/2.50	Total Length Drilling Period	12.00 m/Day
Repairing	-	- %	- %	30.00/1.83	Total Length Working Days	16.39 m/Day
Total	40° 00'	100 %	77 %			
Removing	Preparation	-	4 %			
	Moving	2° 00'	4 %			
Others	8° 00'	-	15 %	Bit Size	Deilted Length by Bit Size	
Grand Total	52° 00'	-	100 %	Drilled Length	15.20m	14.80m
Pipe Size & Inserted Length	Inserted Length / Drilling Length	Recovery of Casing Pipe	Core Length	15.20m	14.80m	m
Inserted Casing Pipe	86mm : 15.00m	50 %	100 %	Remarks		
		%	%			

Drill hole No. MJTY-49

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	FEB.15, '89 ~ FEB.15, '89	FEB.16, '89 ~ FEB.17, '89				
Preparation			0.50	0.17	-	1.50
Drilling			2.00	1.83	-	16.50
Removing			0.50	0.17	-	1.50
Total			3.00	2.17	-	19.50
Planned Length	30.00 m					
Increase in Length	0 m	Core Length	30.00 m	Section %	Core Recovery for each 50m section	
	30.00 m	Core Recovery	100 %	100	100	Total %
Length Drilled	-					
Drilling	11° 20'	26 %	22 %	Drilling Efficiency		
Accompanying Works	32° 40'	74 %	69 %	Total Length Drilling Period	10.00 m/Day	
Repairing	-	- %	- %	Total Length Working Days	13.82 m/Day	
Total	44° 00'	100 %	85 %	Deilled Length by Bit Size		
Removing	Preparation	-		86mm	66mm	mm
	Moving	-		10.00m	20.00m	m
Others	-		100 %	10.00m	20.00m	m
Grand Total	52° 00'	-	100 %	10.00m	20.00m	m
Pipe Size & Inserted Length	Inserted Length	Recovery of Casing Pipe	10.00m	20.00m	m	
	86mm : 10.00m	30 %	100 %	Remarks		
Inserted Casing Pipe	%		%			
	-		-			

Drill hole No. MJTY-50

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	FEB.13, '89 ~ FEB.13, '89	FEB.14, '89 ~ FEB.15, '89				
Preparation			0.25	0.08	-	1.5
Drilling			2.00	1.83	-	15.0
Removing			0.25	0.09	-	1.5
Total			2.50	2.00	-	18.0
Planned Length	30.00 m					
Increase in Length	0 m	Core Length	30.00 m	Section %	Core Recovery for each 50m section	
	30.00 m	Core Recovery	100 %	100	100	Total %
Length Drilled	-					
Drilling	12° 30'	28 %	26 %	Drilling Efficiency		
Accompanying Works	31° 30'	72 %	66 %	Total Length Drilling Period	12.00 m/Day	
Repairing	-	- %	- %	Total Length Working Days	15.00 m/Day	
Total	44° 00'	100 %	92 %	Deilled Length by Bit Size		
Removing	Preparation	-		86mm	66mm	mm
	Moving	-		10.00m	20.00m	m
Others	-		100 %	10.00m	20.00m	m
Grand Total	48° 00'	-	100 %	10.00m	20.00m	m
Pipe Size & Inserted Length	Inserted Length	Recovery of Casing Pipe	10.00m	20.00m	m	
	86mm : 14.00m	47 %	100 %	Remarks		
Inserted Casing Pipe	%		%			
	-		-			

Drill hole No. MJTY-51

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	FEB.17, '89 ~	FEB.17, '89				
Preparation	FEB.17, '89 ~	FEB.17, '89	0.50	0.16	-	3.5
Drilling	FEB.17, '89 ~	FEB.18, '89	2.00	1.67	-	15.0
Removing	FEB.19, '89 ~	FEB.19, '89	0.50	0.17	-	3.5
Total	FEB.17, '89 ~	FEB.19, '89	3.00	2.00	-	22.0
Planned Length	35.00 m					
Increase in Length	0 m	Core Length	35.00 m	Section %	Total %	
	35.00 m	Core Recovery	100 %	100	100	
Length Drilled	0-35.00					
Drilling	11° 20'	28 %	24 %	Drilling Efficiency		
Accompanying Works	28° 40'	72 %	60 %	Total Length Drilling Period	11.67 m/Day	
Repairing	-	- %	- %	Total Length Working Days	17.50 m/Day	
Total	40° 00'	100 %	84 %			
Preparation	4° 00'	-	8 %			
	4° 00'	-	8 %	Detailed Length by Bit Size		
Others	-	-	-	Bit Size	86mm	mm
Grand Total	48° 00'	-	100 %	Drilled Length	10.00m	25.00m
Pipe Size & Inserted Length	Inserted Length Drilling Length	Core Length	Core Length	Core Length	25.00m	m
86mm : 10.00m	29 %	100 %	Remarks			
	%	%				
	-	-				

Drill hole No. MJTY-52

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	FEB.19, '89 ~	FEB.19, '89				
Preparation	FEB.19, '89 ~	FEB.19, '89	0.25	0.08	-	0.75
Drilling	FEB.19, '89 ~	FEB.21, '89	3.00	2.67	-	28.00
Removing	FEB.22, '89 ~	FEB.22, '89	0.25	0.08	-	0.75
Total	FEB.19, '89 ~	FEB.22, '89	3.50	2.83	-	29.50
Planned Length	35.00 m					
Increase in Length	10.00 m	Core Length	45.00 m	Section %	Total %	
	45.00 m	Core Recovery	100 %	100	100	
Length Drilled	0-35.00					
Drilling	18° 00'	28 %	26 %	Drilling Efficiency		
Accompanying Works	46° 00'	72 %	68 %	Total Length Drilling Period	12.88 m/Day	
Repairing	-	- %	- %	Total Length Working Days	15.90 m/Day	
Total	64° 00'	100 %	94 %			
Preparation	2° 00'	-	3 %			
	2° 00'	-	3 %	Detailed Length by Bit Size		
Others	-	-	-	Bit Size	86mm	mm
Grand Total	68° 00'	-	100 %	Drilled Length	11.00m	34.00m
Pipe Size & Inserted Length	Inserted Length Drilling Length	Core Length	Core Length	Core Length	34.00m	m
86mm : 11.00m	24 %	100 %	Remarks			
	%	%				
	-	-				

Drill hole No. MJTY-53

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	FEB.22 '89 ~ FEB.22 '89	FEB.23 '89 ~ FEB.27 '89				
Preparation			0.50	0.33	-	1.5
Drilling			2.00	1.88	-	16.5
Removing			3.50	0.34	-	48.5
Total			6.00	2.50	-	66.5
Planned Length	35.00 m					
Increase in Length	0 m	Core Length	35.00 m	Core Recovery for each 50m section		
	35.00 m	Core Recovery	100 %	Depth m	Section %	Total %
Length Drilled				0~35.00	100	100
Drilling	18° 10'	41 %	30 %	Drilling Efficiency		
Accompanying Works	25° 50'	59 %	43 %	35.00/6.00	Total Length Drilling Period	5.83 m/Day
Repairing	-	- %	- %	35.00/2.50	Total Length Working Days	14.00 m/Day
Total	44° 00'	100 %	73.4 %			
Removal	Preparation	-	13.3 %			
	Moving	8° 00'	-	Deilled Length by Bit Size		
Others	-	-	-	Bit Size	86mm	66mm
Grand Total	60° 00'	-	100 %	Drilled Length	10.00m	25.00m
Pipe Size & Inserted Length	Inserted Length	Recovery of Casing Pipe	29 %	Core Length	10.00m	25.00m
	86mm : 10.00m		100 %	Remarks		
Inserted Casing Pipe			%			
			%			

Drill hole No. MJTY-54

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	MAR.2 '89 ~ MAR.2 '89	MAR.6 '89 ~ MAR.7 '89				
Preparation			0.50	0.16	-	1.5
Drilling			5.00	4.50	-	39.0
Removing			0.50	0.17	-	15.0
Total			6.00	4.83	-	55.5
Planned Length	75.00 m					
Increase in Length	0 m	Core Length	75.00 m	Core Recovery for each 50m section		
	75.00 m	Core Recovery	100 %	Depth m	Section %	Total %
Length Drilled				0~50.00	100	100
Drilling	30° 40'	28 %	28 %	Drilling Efficiency		
Accompanying Works	77° 20'	72 %	67 %	75.00/6.00	Total Length Drilling Period	12.50 m/Day
Repairing	-	- %	- %	75.00/4.83	Total Length Working Days	15.53 m/Day
Total	108° 00'	100 %	93 %			
Removal	Preparation	-	3.5 %			
	Moving	4° 00'	-	Deilled Length by Bit Size		
Others	-	-	-	Bit Size	86mm	66mm
Grand Total	116° 00'	-	100 %	Drilled Length	46.20m	28.80m
Pipe Size & Inserted Length	Inserted Length	Recovery of Casing Pipe	5 %	Core Length	46.20m	28.80m
	86mm : 4.00m		100 %	Remarks		
Inserted Casing Pipe			%			
			%			

Drill hole No. MJTY-54-1

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	FEB.28.'89 ~	FEB.28.'89 ~				
Preparation	FEB.28.'89 ~	FEB.28.'89	0.25	0.08	-	4.0
Drilling	FEB.28.'89 ~	MAR.1.'89	2.50	1.17	0.87	31.0
Removing	MAR.2.'89 ~	MAR.2.'89	0.25	0.08	-	9.0
Total	FEB.28.'89 ~	MAR.2.'89	3.00	1.33	0.67	44.0
Planned Length	75.00 m					
Increase in Length	Core Length	25.80 m	Core Recovery for each 50m section			
	Core Recovery	100 %	Depth m	Section %	Total %	
Length Drilled	9° 50'	25.80 m	0~25.80	100	100	
	18° 10'	25.80 m	-	-	-	
Drilling	9° 50'	22.3 %	Drilling Efficiency			
Accompanying Works	18° 10'	41.3 %	25.80/3.00	Total Length Drilling Period	3.60 m/Day	
	16° 00'	36.4 %	25.80/1.33	Total Length Working Days	19.40 m/Day	
Total	44° 00'	100 %	91 %			
Preparation	2° 00'	-	4.5 %			
	2° 00'	-	4.5 %			
Others	-	-	-	Bit Size	66mm	
	48° 00'	-	100 %	Drilled Length	15.00m	
Grand Total	48° 00'	-	100 %	Core Length	10.80m	
Pipe Size & Inserted Length	Inserted Length	Recovery of Casing Pipe	Core Length	15.00m	10.80m	
86mm : 15.00m	58 %	100 %	Remarks A cavity was encountered at 25.80m Drilling was accordingly suspended			
	%	%				

Drill hole No. MJTY-55

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	MAR.14.'89 ~	MAR.19.'89				
Preparation	MAR.14.'89 ~	MAR.19.'89	6.00	6.00	-	69.0
Drilling	MAR.20.'89 ~	MAR.22.'89	3.00	1.00	-	45.0
Removing	MAR.14.'89 ~	MAR.22.'89	9.00	7.00	-	114.0
Planned Length	75.00 m					
Increase in Length	Core Length	68.00 m	Core Recovery for each 50m section			
	Core Recovery	90 %	Depth m	Section %	Total %	
Length Drilled	75.30 m	90 %	0~50.00	98	98	
	39° 30'	27 %	50.00~75.30	74	90	
Drilling	39° 30'	27 %	Drilling Efficiency			
Accompanying Works	104° 30'	73 %	75.30/9.00	Total Length Drilling Period	8.37 m/Day	
	144° 00'	100 %	75.30/7.00	Total Length Working Days	10.76 m/Day	
Total	144° 00'	100 %	86 %			
Preparation	-	-	%			
	24° 00'	-	14 %	Deilled Length by Bit Size		
Others	-	-	-	Bit Size	66mm	
	168° 00'	-	100 %	Drilled Length	4.00m	
Grand Total	168° 00'	-	100 %	Core Length	71.30m	
Pipe Size & Inserted Length	Inserted Length	Recovery of Casing Pipe	Core Length	4.00m	71.30m	
86mm : 4.00m	5 %	100 %	Remarks			
	%	%				

Drill hole No. MJTY-55-1

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	FEB.27, '89 ~	FEB.27, '89				
Preparation	FEB.27, '89 ~	FEB.27, '89	0.25	0.08	-	1.0
Drilling	FEB.27, '89 ~	FEB.27, '89	1.00	0.83	-	10.0
Removing	FEB.28, '89 ~	FEB.28, '89	0.75	0.42	-	33.5
Total	FEB.27, '89 ~	FEB.28, '89	2.00	1.33	-	44.5
Planned Length	75.00 m					
Increase in Length	-63.00 m	Core Length	12.00 m	Depth	12.00 m	Total %
Length Drilled	12.00 m	Core Recovery	100 %	0~12.00	100	100
Drilling	5° 10'	25 %	13 %	Drilling Efficiency		
Accompanying Works	14° 50'	75 %	37 %	12.00/2.00	Total Length Drilling Period	6.00 m/Day
Repairing	-	- %	- %	12.00/1.33	Total Length Working Days	9.02 m/Day
Total	20° 00'	100 %	50 %	Deilled Length by Bit Size		
Preparation	2° 00'	-	5 %	Deilled Length by Bit Size		
Moving	10° 00'	-	25 %	Deilled Length by Bit Size		
Others	8° 00'	-	20 %	Bit Size	86mm	56mm
Grand Total	40° 00'	-	100 %	Drilled Length	12.00m	-m
Pipe Size & Inserted Length	Inserted Length / Drilling Length	Recovery of Casing of Pipe	Core Length	Core Length	12.00m	-m
86mm : 12.00m	100 %	100 %	100 %	Remarks: Granite was encountered at 3.40m, therefore drilling was suspended		
	%	%	%	-		
				-		

Drill hole No. MJTY-55-2

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	MAR.7, '89 ~	MAR.7, '89				
Preparation	MAR.7, '89 ~	MAR.7, '89	0.25	0.08	-	1.0
Drilling	MAR.7, '89 ~	MAR.9, '89	3.00	2.67	-	15.0
Removing	MAR.10, '89 ~	MAR.10, '89	0.25	0.08	-	28.5
Total	MAR.7, '89 ~	MAR.10, '89	3.50	2.83	-	44.5
Planned Length	75.00 m					
Increase in Length	-41.5 m	Core Length	33.50 m	Depth	33.50 m	Total %
Length Drilled	33.50 m	Core Recovery	100 %	0~33.50	100	100
Drilling	13° 10'	20 %	19 %	Drilling Efficiency		
Accompanying Works	26° 50'	42 %	40 %	33.50/3.50	Total Length Drilling Period	9.57 m/Day
Repairing	24° 00'	38 %	35 %	33.50/2.83	Total Length Working Days	11.84 m/Day
Total	64° 00'	100 %	94 %	Deilled Length by Bit Size		
Preparation	2° 00'	-	3 %	Deilled Length by Bit Size		
Moving	2° 00'	-	3 %	Deilled Length by Bit Size		
Others	-	-	-	Bit Size	86mm	66mm
Grand Total	68° 00'	-	100 %	Drilled Length	15.00m	18.50m
Pipe Size & Inserted Length	Inserted Length / Drilling Length	Recovery of Casing of Pipe	Core Length	Core Length	15.00m	18.50m
86mm : 15.00m	45 %	100 %	100 %	Remarks: An accident occurred in hole, drilling was accordingly suspended		
	%	%	%	-		
				-		

Drill hole No. MJTY-55-3

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	MAR.10 '89 ~ MAR.10 '89	MAR.10 '89 ~ MAR.13 '89				
Preparation	MAR.10 '89 ~ MAR.10 '89					
Drilling	MAR.10 '89 ~ MAR.13 '89		4.0	3.83		42.5
Removing	MAR.13 '89 ~ MAR.13 '89					
Total	MAR.10 '89 ~ MAR.13 '89		4.0	3.83		42.5
Planned Length	75.00 m					
Increase in Length	12.30 m	Core Length	62.70 m	Section %	Total %	
Length Drilled	62.70 m	Core Recovery	100 %	100	100	
Drilling	25° 00'	25 %	25 %	Drilling Efficiency		
Accompanying Works	61° 00'	66 %	66 %	62.70/4.00	Total Length Drilling Period	15.68 m/Day
Repairing	8° 00'	9 %	9 %	62.70/3.83	Total Length Working Days	16.37 m/Day
Total	92° 00'	100 %	100 %			
Preparation						
Moving						
Others						
Grand Total	92° 00'	100 %	100 %	4.00m	58.70m	m
Pipe Size & Inserted Length	Inserted Length - Drilling Length	Recovery of Casing Pipe	Core Length	4.00m	58.70m	m
86mm : 4.00m	6 %	100 %		Remarks An accident occurred in the hole at 62.70m depth, drilling was suspended		
	%	%				

Drill hole No. MJTY-56

Working Period	Period		Number of Days	Actual Working Days	Day off	Total Number of Workers
	MAR.7 '89 ~ MAR.7 '89	MAR.10 '89 ~ MAR.11 '89				
Preparation	MAR.7 '89 ~ MAR.7 '89		0.25	0.08		1.5
Drilling	MAR.7 '89 ~ MAR.10 '89		4.00	2.17		19.5
Removing	MAR.11 '89 ~ MAR.11 '89		0.75	0.25		4.5
Total	MAR.7 '89 ~ MAR.11 '89		5.00	2.50		25.5
Planned Length	30.00 m					
Increase in Length	7.00 m	Core Length	35.05 m	Section %	Total %	
Length Drilled	37.00 m	Core Recovery	95 %	95	95	
Drilling	20° 10'	39 %	34 %	Drilling Efficiency		
Accompanying Works	31° 50'	61 %	53 %	37.00/5.00	Total Length Drilling Period	7.40 m/Day
Repairing				37.00/2.50	Total Length Working Days	14.80 m/Day
Total	52° 00'	100 %	87 %			
Preparation	2° 00'					
Moving	6° 00'					
Others						
Grand Total	60° 00'	100 %	100 %	5.55m	31.45m	m
Pipe Size & Inserted Length	Inserted Length - Drilling Length	Recovery of Casing Pipe	Core Length	.00m	0m	m
86mm : 5.00m	13 %	100 %		Remarks		
	%	%				



Appendix 6 Chemical analyses of trench samples (Area A)

No.	sample No.	Sn %	W %	Nb ppm	Ta ppm
1	T-1-1	0.004	0.001	40	18
2	T-1-2	0.005	0.000	35	27
3	T-1-3	0.004	0.001	32	13
4	T-4-1	0.005	0.000	15	<10
5	T-2-1	0.004	0.001	16	<10
6	T-2-2	0.003	0.001	82	48
7	T-2-3	0.008	0.001	24	42
8	T-3-2	0.001	0.001	5	<10
9	T-3-3	0.011	0.001	80	41
10	T-3-4	0.007	0.001	74	57
11	T-4-1	0.004	0.002	98	31
12	T-4-2	0.001	0.000	11	<10
13	T-4-3	0.001	0.001	15	<10
14	T-5-1	0.002	0.002	42	23
15	T-5-3	0.003	0.002	15	<10
16	T-6-1	0.003	0.002	21	<10
17	T-6-2	0.003	0.002	37	20
18	T-7-1	0.002	0.001	74	39
19	T-7-2	0.002	0.001	21	11
20	T-8-1	0.021	0.002	88	34
21	T-8-2	0.002	0.001	12	<10
22	T-8-3	0.004	0.001	30	18
23	T-9-1	0.005	0.030	23	<10
24	T-10-1	0.003	0.006	16	<10
25	T-10-2	0.003	0.002	21	<10
26	T-11-1	0.001	0.001	4	<10
27	T-11-2	0.003	0.004	6	<10
28	T-12-1	0.013	0.009	170	160
29	T-12-2	0.001	0.001	6	<10
30	T-13-2	0.001	0.005	3	<10
31	T-13-3	0.002	0.011	7	<10
32	T-14-1	0.007	0.016	21	<10
33	T-15-1	0.008	0.016	8	<10
34	T-15-2	0.004	0.009	12	<10
35	T-15-3	0.011	0.009	45	110
36	T-16-1	0.009	0.004	58	96
37	T-16-3	0.000	0.000	1	<10
38	T-17-2	0.010	0.007	170	300
39	T-17-3	0.011	0.004	69	130
40	T-17-4	0.009	0.004	76	110
41	T-18-2	0.004	0.004	49	37
42	T-18-5	0.018	0.008	82	200
43	T-18-6	0.011	0.005	130	73
44	T-19-2	0.008	0.002	68	140
45	T-19-3	0.004	0.004	72	89
46	T-19-4	0.005	0.002	45	25
47	T-19-6	0.005	0.004	59	20
48	T-20-1	0.012	0.002	31	32
49	T-20-2	0.009	0.003	72	64
50	T-20-3	0.008	0.006	70	47

Appendix 7-1 Chemical analyses of drilling core samples (Area C)

(1)

No.	Sample No.	depth		Cu	Pb	Zn	Cd	Sn	W	Nb	Ta	Au	Ag
		m	- m	%	%	%	%	%	%	ppm	ppm	g/t	g/t
1	MJTY 1-1	21.10	22.00	0.015	0.003	1.22	0.016	0.069	0.014	8	<10	0.0	14
2	MJTY 1-2	22.00	23.50	0.015	0.010	2.42	0.031	0.064	0.022	7	<10	0.0	20
3	MJTY 1-3	23.50	24.50	0.28	0.012	3.17	0.045	0.035	0.027	5	<10	0.0	8
4	MJTY 1-4	24.50	28.00	0.29	0.002	1.75	0.024	0.035	0.049	6	<10	0.0	3
5	MJTY 1-5	26.00	28.00	0.12	0.002	0.61	0.007	0.033	0.008	7	<10	0.0	9
6	MJTY 1-6	28.00	30.00	0.037	0.001	0.12	-	0.028	0.003	7	<10	0.0	14
7	MJTY 1-7	30.00	32.00	0.12	0.001	0.19	-	0.050	0.008	8	<10	0.5	29
8	MJTY 1-8	32.00	34.30	0.15	0.003	1.06	0.015	0.088	0.047	18	<10	0.5	5
9	MJTY 7-1	15.00	16.40	0.31	0.003	0.046	-	0.092	0.059	13	<10	0.0	49
10	MJTY 7-2	16.40	17.10	0.20	0.003	0.035	-	0.009	0.008	45	22	0.0	20
11	MJTY10-1	14.30	17.00	0.45	0.004	0.097	-	0.16	0.032	16	<10	0.0	29
12	MJTY10-2	17.00	20.00	0.48	0.002	0.067	-	0.060	0.031	18	<10	0.0	19
13	MJTY10-3	20.00	22.50	0.22	0.003	0.078	-	0.087	0.014	31	<10	0.0	10
14	MJTY10-4	22.50	25.50	0.90	0.002	0.089	-	0.097	0.006	18	16	0.0	19
15	MJTY10-5	29.20	30.00	0.52	0.022	0.044	-	0.002	0.001	2	<10	0.0	22
16	MJTY13-1	10.65	11.50	0.36	0.14	0.23	-	0.070	0.051	8	<10	0.0	5
17	MJTY13-2	11.50	12.80	0.24	0.24	0.30	-	0.13	0.052	9	<10	0.0	2
18	MJTY13-3	12.80	15.00	0.30	0.23	0.22	-	0.052	0.073	6	<10	0.0	26
19	MJTY13-4	15.00	16.90	0.081	0.16	0.17	-	0.068	0.006	5	<10	0.0	30
20	MJTY14-1	8.00	12.30	0.44	0.019	0.22	-	0.017	0.080	12	<10	0.7	4
21	MJTY14-2	31.20	32.00	0.25	0.002	0.11	-	0.019	0.038	6	<10	0.6	2
22	MJTY14-3	32.00	33.40	0.28	0.001	0.61	0.011	0.048	0.021	12	<10	0.2	4
23	MJTY14-4	33.40	35.10	0.27	0.003	0.041	-	0.032	0.043	6	<10	0.2	5
24	MJTY14-5	35.60	36.40	0.19	0.002	0.15	-	0.018	0.035	6	<10	0.0	2
25	MJTY14-6	36.40	36.80	0.15	0.002	0.17	-	0.035	0.028	5	<10	0.0	3
26	MJTY14-7	36.80	37.40	0.34	0.001	0.027	-	0.021	0.022	8	<10	0.0	3
27	MJTY14-8	37.40	37.70	0.25	0.002	0.041	-	0.021	0.058	8	<10	0.0	4
28	MJTY16-1	15.00	16.90	0.68	0.006	0.017	-	0.033	0.017	8	<10	0.0	14
29	MJTY16-2	18.40	20.40	0.49	0.015	0.42	-	0.014	0.046	9	10	0.1	33
30	MJTY16-3	20.40	22.00	0.36	0.007	0.30	-	0.015	0.024	6	<10	0.0	3
31	MJTY17-1	4.15	4.90	0.32	0.004	0.032	-	0.25	0.051	32	<10	0.1	7
32	MJTY17-2	5.40	6.10	0.79	0.006	0.072	-	0.092	0.087	6	<10	0.0	17
33	MJTY17-3	13.30	14.50	0.53	0.020	0.53	0.014	0.013	0.027	5	<10	0.0	75
34	MJTY17-4	14.50	16.00	0.51	0.060	0.080	-	0.015	0.026	13	<10	0.0	53
35	MJTY19-1	14.00	14.85	0.28	5.87	0.55	0.012	0.019	0.015	3	<10	0.0	293
36	MJTY19-2	14.85	16.90	0.52	0.17	0.13	-	0.19	0.060	8	<10	0.0	63
37	MJTY20-1	10.50	16.50	0.28	0.069	0.12	-	0.071	0.032	11	<10	0.0	10
38	MJTY20-2	16.60	20.00	0.25	0.001	0.010	-	0.003	0.016	5	<10	0.0	2
39	MJTY20-3	20.00	21.40	0.25	0.001	0.018	-	0.002	0.025	6	<10	0.2	2
40	MJTY20-4	21.40	23.50	0.40	0.006	0.16	-	0.006	0.008	12	<10	0.1	10
41	MJTY20-5	24.00	24.60	0.44	0.004	0.12	-	0.003	0.010	6	<10	0.0	6
42	MJTY20-6	24.60	25.00	0.43	0.002	0.11	-	0.003	0.014	3	<10	0.0	4
43	MJTY20-7	25.00	27.00	0.17	0.001	0.24	-	0.017	0.017	10	<10	0.0	3
44	MJTY20-8	27.00	28.60	0.30	0.001	0.20	-	0.022	0.024	6	<10	0.0	8
45	MJTY20-9	28.60	29.70	0.40	0.004	7.68	0.16	0.042	0.11	5	<10	0.1	19
46	MJTY23-1	9.20	11.20	0.016	0.20	0.23	-	0.043	0.13	17	<10	0.0	5
47	MJTY24-1	3.60	6.30	0.003	0.55	0.56	0.004	0.035	0.021	9	<10	0.0	24
48	MJTY24-2	24.20	25.40	0.025	0.018	0.56	0.008	0.052	0.025	4	<10	0.0	44
49	MJTY26-1	21.80	23.20	0.021	0.028	0.47	-	0.012	0.040	11	<10	0.1	8
50	MJTY26-2	23.20	24.50	0.013	0.009	0.39	-	0.037	0.027	6	<10	0.2	6
51	MJTY26-3	24.50	25.00	0.015	0.049	0.98	0.010	0.025	0.048	4	<10	0.2	28
52	MJTY26-4	27.20	29.10	0.050	0.012	2.09	0.025	0.034	0.093	5	<10	0.1	11
53	MJTY26-5	29.10	30.00	0.25	0.008	3.70	0.063	0.085	0.16	10	<10	0.2	18
54	MJTY26-6	30.00	30.50	0.78	0.070	1.57	0.026	0.015	0.10	9	<10	0.2	123
55	MJTY26-7	30.50	31.50	0.12	0.038	3.42	0.056	0.070	0.12	12	<10	0.2	47
56	MJTY26-8	31.50	32.40	0.15	0.007	1.85	0.033	0.097	0.30	12	<10	0.1	11
57	MJTY26-9	32.40	33.00	0.023	0.004	0.11	-	0.006	0.013	11	<10	0.2	2
58	MJTY29-1	14.20	15.00	0.19	0.001	0.031	-	0.031	0.025	5	<10	0.0	16
59	MJTY29-2	15.00	17.50	0.68	0.001	0.024	-	0.024	0.023	8	<10	0.0	8
60	MJTY29-3	17.50	20.00	0.71	0.001	0.020	-	0.012	0.019	9	<10	0.0	4
61	MJTY29-4	20.00	22.50	0.51	0.001	0.017	-	0.026	0.034	11	<10	0.0	10
62	MJTY29-5	22.50	24.30	0.61	0.000	0.017	-	0.022	0.044	13	<10	0.0	11
63	MJTY29-6	24.30	25.00	1.09	0.002	0.010	-	0.26	0.004	17	13	0.0	5
64	MJTY29-7	25.00	27.00	0.20	0.002	0.020	-	0.28	0.092	10	10	0.0	8
65	MJTY29-8	27.60	29.20	0.24	0.004	0.020	-	0.15	0.007	7	<10	0.0	15
66	MJTY29-9	29.20	30.00	0.25	0.002	0.005	-	0.27	0.007	5	<10	30.8	19
67	MJTY29-10	30.60	31.60	0.18	0.003	0.030	-	0.014	0.002	10	11	0.0	24
68	MJTY29-11	32.70	32.90	0.17	0.002	0.051	-	0.013	0.001	15	12	0.0	4
69	MJTY30-1	21.00	21.50	0.12	0.002	0.15	-	0.17	0.11	10	<10	0.0	2
70	MJTY30-2	23.20	24.00	0.018	0.004	0.044	-	0.088	0.44	32	12	0.0	22
71	MJTY33-1	9.50	10.00	0.44	0.002	0.13	-	0.45	0.027	17	21	0.0	8
72	MJTY36-1	21.40	22.60	0.81	0.21	0.17	-	0.033	0.003	22	<10	0.0	5
73	MJTY36-2	24.20	26.00	1.30	0.005	0.36	-	0.076	0.009	15	<10	0.0	18
74	MJTY36-3	26.00	28.30	0.35	0.001	0.27	-	0.12	0.012	16	<10	0.0	3
75	MJTY36-4	31.90	32.40	0.015	0.25	0.76	0.025	0.012	0.031	5	<10	0.1	10
76	MJTY36-5	36.00	36.50	0.003	2.43	2.28	0.026	0.023	0.130	5	<10	0.1	195
77	MJTY36-6	36.50	37.50	0.025	0.76	0.67	0.009	0.038	0.019	4	<10	0.0	115
78	MJTY36-7	37.60	38.40	0.19	0.066	0.032	-	0.058	0.001	4	<10	0.1	30
79	MJTY36-8	38.40	39.00	0.68	0.001	0.54	0.011	0.042	0.015	3	<10	0.1	34
80	MJTY36-9	39.00	40.00	0.71	0.001	0.77	0.014	0.042	0.014	2	<10	0.1	39

Appendix 7-2 Chemical analyses of drilling core samples (Area C)

(2)

No.	Sample No.	depth		Cu %	Pb %	Zn %	Cd %	Sn %	W %	Nb ppm	Ta ppm	Au g/t	Ag g/t
		m	m										
81	MJTY36-10	40.00	40.50	0.51	0.002	0.046	-	0.16	0.019	6	<10	0.1	20
82	MJTY36-11	40.50	42.30	0.61	0.002	0.086	-	0.028	0.063	4	<10	0.0	17
83	MJTY36-12	42.30	43.30	1.09	0.001	0.029	-	0.045	0.060	8	<10	0.0	32
84	MJTY37-1	17.90	18.70	0.50	0.038	9.58	0.20	0.11	0.10	5	<10	0.0	52
85	MJTY37-2	18.70	19.60	0.18	0.021	0.70	0.015	0.095	0.059	6	<10	0.0	87
86	MJTY37-3	19.60	22.00	0.62	0.010	0.42	-	0.023	0.035	3	<10	0.0	35
87	MJTY37-4	22.00	24.00	0.57	0.003	0.086	-	0.035	0.049	4	<10	0.3	26
88	MJTY37-5	24.00	26.00	0.57	0.009	0.14	-	0.022	0.079	4	<10	0.2	26
89	MJTY37-6	26.00	28.00	0.61	0.006	0.15	-	0.011	0.058	3	<10	0.2	25
90	MJTY37-7	28.00	30.60	0.59	0.002	0.048	-	0.013	0.081	4	<10	0.1	21
91	MJTY37-8	30.60	31.20	0.97	0.006	0.063	-	0.037	0.073	5	<10	0.2	32
92	MJTY37-9	31.20	33.00	0.30	0.004	0.027	-	0.026	0.050	4	<10	0.0	9
93	MJTY37-10	33.00	35.00	0.46	0.005	0.044	-	0.023	0.077	4	<10	0.0	14
94	MJTY37-11	35.00	37.50	0.28	0.008	0.049	-	0.042	0.093	5	<10	0.0	11
95	MJTY37-12	37.50	39.90	0.44	0.018	0.21	-	0.027	0.088	4	<10	0.0	35
96	MJTY37-13	39.90	42.00	0.67	0.009	0.23	-	0.085	0.22	11	<10	0.0	26
97	MJTY37-14	42.00	44.00	0.40	0.008	0.29	-	0.021	0.091	5	<10	0.0	22
98	MJTY37-15	44.00	45.00	0.65	0.002	0.10	-	0.011	0.62	16	<10	0.0	2
99	MJTY37-16	47.70	49.00	0.26	0.001	0.011	-	0.047	0.016	7	<10	0.0	5
100	MJTY39-1	15.00	17.00	0.20	0.42	0.43	-	0.064	0.024	3	<10	0.3	141
101	MJTY39-2	17.00	19.00	0.24	0.81	0.32	-	0.13	0.012	5	<10	0.0	112
102	MJTY39-3	19.00	20.70	0.25	0.54	0.32	-	0.098	0.017	5	<10	0.0	139
103	MJTY39-4	20.70	22.50	0.18	1.05	0.42	-	0.023	0.023	2	<10	0.0	54
104	MJTY39-5	23.00	25.00	0.17	2.32	0.54	0.023	0.005	0.034	2	<10	0.0	268
106	MJTY39-6	25.00	27.30	0.12	1.66	3.21	0.050	0.008	0.076	4	<10	0.0	289
106	MJTY39-7	27.30	28.30	0.018	0.32	3.26	0.038	0.057	0.057	2	<10	0.0	71
107	MJTY39-8	28.30	29.50	0.44	0.17	1.56	0.020	0.044	0.044	5	<10	0.0	98
108	MJTY39-9	29.50	30.50	0.81	0.42	13.3	0.55	0.15	0.15	6	<10	0.0	133
109	MJTY39-10	30.50	31.70	1.30	0.010	1.57	0.017	0.082	0.082	11	<10	0.0	71
110	MJTY40-1	29.70	31.60	0.35	0.012	0.11	-	0.10	0.10	9	<10	0.0	7
111	MJTY42-1	17.20	18.30	1.26	0.84	3.38	0.074	0.066	0.054	4	<10	0.0	104
112	MJTY42-2	18.30	20.00	5.34	11.6	3.75	0.049	0.076	0.036	4	<10	0.0	233
113	MJTY42-3	24.30	25.30	0.62	0.83	6.48	0.088	0.060	0.066	8	<10	0.0	100
114	MJTY42-4	25.30	26.00	0.22	0.030	2.70	0.045	0.080	0.037	10	<10	0.0	16
115	MJTY42-5	30.60	31.00	1.12	0.023	0.12	-	0.036	0.026	5	14	0.0	46
116	MJTY42-6	31.70	32.10	0.62	0.010	0.16	-	0.036	0.006	27	<10	0.0	26
117	MJTY43-1	24.40	25.30	0.14	0.012	0.26	-	0.062	0.004	3	<10	0.1	45
118	MJTY43-2	25.30	26.30	0.61	0.023	7.82	0.098	0.019	0.12	6	<10	0.0	56
119	MJTY43-3	26.30	27.40	0.88	0.015	0.06	-	0.009	0.029	5	<10	0.0	46
120	MJTY43-4	27.40	27.90	1.64	0.014	0.14	-	0.029	0.066	6	<10	0.0	83
121	MJTY43-5	27.90	28.70	0.56	0.019	0.042	-	0.035	0.090	5	<10	0.0	41
122	MJTY43-6	28.70	29.50	0.85	0.025	0.095	-	0.015	0.030	5	<10	0.0	59
123	MJTY43-7	29.50	30.40	0.33	0.010	0.19	-	0.013	0.012	9	<10	1.4	24
124	MJTY43-8	30.40	33.80	0.057	0.003	0.62	0.003	0.071	0.008	9	<10	0.0	24
125	MJTY43-9	33.80	35.00	0.31	0.008	0.49	-	0.061	0.020	8	<10	0.0	5
126	MJTY43-10	35.00	37.00	0.66	0.006	0.074	-	0.040	0.067	6	<10	0.0	34
127	MJTY43-11	37.00	38.00	0.43	0.003	5.19	0.099	0.094	0.071	4	<10	0.0	23
128	MJTY43-12	38.00	39.20	0.40	0.002	6.45	0.10	0.071	0.077	4	<10	0.0	14
129	MJTY43-13	39.20	40.00	0.41	0.002	0.23	-	0.027	0.039	4	<10	0.0	9
130	MJTY43-14	40.00	42.20	0.58	0.001	0.034	-	0.008	0.025	5	<10	0.0	13
131	MJTY43-15	42.20	42.60	0.66	0.001	0.96	0.029	0.006	0.027	5	<10	0.0	14
132	MJTY43-16	42.60	43.30	0.33	0.003	1.46	0.041	0.013	0.031	3	<10	0.0	9
133	MJTY43-17	43.30	44.30	0.48	0.001	7.21	0.19	0.028	0.10	4	<10	0.2	15
134	MJTY43-18	44.30	44.70	0.31	0.002	1.76	0.041	0.035	0.011	5	<10	0.0	8
135	MJTY43-19	44.70	46.50	0.26	0.001	0.049	-	0.023	0.008	8	<10	0.0	7
136	MJTY43-20	46.50	47.70	1.01	0.001	0.26	-	0.022	0.015	19	12	0.1	24
137	MJTY43-21	48.20	48.70	0.26	0.002	0.10	-	0.019	0.022	14	<10	0.0	9
138	MJTY47-1	1.70	5.00	0.001	0.001	0.006	-	0.012	0.006	52	21	0.0	2
139	MJTY47-2	5.00	10.00	0.001	0.002	0.005	-	0.011	0.005	45	19	0.0	0
140	MJTY47-3	10.00	15.00	0.000	0.000	0.005	-	0.011	0.004	45	23	0.0	1
141	MJTY47-4	15.00	20.00	0.000	0.000	0.005	-	0.010	0.006	47	17	0.0	1
142	MJTY47-5	20.00	25.00	0.000	0.000	0.005	-	0.011	0.006	47	25	0.0	1
143	MJTY47-6	25.00	30.00	0.001	0.000	0.005	-	0.010	0.005	44	18	0.0	0
144	MJTY48-2	5.00	10.00	0.000	0.000	0.005	-	0.013	0.002	35	15	0.0	1
145	MJTY48-3	10.00	15.00	0.000	0.001	0.004	-	0.013	0.002	39	19	0.0	0
146	MJTY48-4	15.00	20.00	0.000	0.001	0.004	-	0.013	0.002	36	18	0.0	1
147	MJTY48-5	20.00	25.00	0.000	0.001	0.004	-	0.013	0.004	34	16	0.0	0
148	MJTY48-6	25.00	30.00	0.000	0.001	0.004	-	0.011	0.002	31	14	0.0	1
149	MJTY49-1	1.70	5.00	0.000	0.001	0.005	-	0.012	0.003	38	20	0.0	1
150	MJTY49-2	5.00	10.00	0.000	0.000	0.005	-	0.011	0.003	36	14	0.0	0
151	MJTY49-3	10.00	15.00	0.000	0.000	0.008	-	0.006	0.007	51	15	0.0	0
152	MJTY49-4	15.00	20.00	0.000	0.000	0.005	-	0.012	0.007	91	28	0.0	1
153	MJTY49-5	20.00	25.00	0.000	0.000	0.007	-	0.007	0.006	60	16	0.0	0
154	MJTY49-6	25.00	30.00	0.000	0.000	0.005	-	0.007	0.006	69	15	0.0	0
155	MJTY50-1	14.00	16.00	0.004	0.001	0.009	-	0.010	0.011	46	19	0.0	1
156	MJTY50-2	16.00	17.00	0.000	0.000	0.006	-	0.011	0.006	60	21	0.0	0
157	MJTY52-1	39.00	40.70	0.001	0.002	0.11	-	0.007	0.001	8	<10	0.0	0
158	MJTY52-2	42.20	43.00	0.001	0.001	0.20	-	0.006	0.003	7	<10	0.0	0
159	MJTY52-3	43.50	44.00	0.001	0.006	0.058	-	0.006	0.016	8	<10	0.0	1
160	MJTY53-1	9.80	10.50	0.004	0.14	3.43	0.050	0.005	0.049	4	<10	0.0	36

Appendix 7-3 Chemical analyses of drilling core samples (Area C)

(3)

No.	Sample No.	depth		Cu %	Pb %	Zn %	Cd %	Sn %	W %	Nb ppm	Ta ppm	Au g/t	Ag g/t
		m	m										
161	MJTY53-2	10.50	11.00	0.006	0.10	2.61	0.027	0.005	0.043	6	<10	0.0	34
162	MJTY53-3	11.00	12.50	0.013	0.12	2.82	0.029	0.014	0.071	6	<10	0.0	96
163	MJTY53-4	12.50	13.50	0.015	0.006	2.63	0.013	0.030	0.042	3	<10	0.0	5
164	MJTY53-5	13.50	14.80	0.013	0.006	1.40	0.015	0.069	0.014	4	<10	0.0	6
165	MJTY53-6	14.80	15.00	0.14	0.012	11.6	0.17	0.061	0.11	3	<10	0.0	26
166	MJTY53-7	15.00	15.50	0.12	0.002	3.48	0.058	0.095	0.066	4	<10	0.0	11
167	MJTY53-8	15.50	16.00	0.070	0.002	4.33	0.076	0.086	0.046	4	<10	0.0	11
168	MJTY53-9	16.00	17.00	0.33	0.030	8.92	0.12	0.11	0.073	3	<10	0.0	52
169	MJTY53-10	17.00	18.50	0.77	0.002	0.39	-	0.065	0.055	5	<10	0.0	33
170	MJTY53-11	18.50	20.00	0.40	0.000	0.022	-	0.015	0.034	5	<10	0.0	3
171	MJTY53-12	20.00	21.30	0.28	0.001	0.020	-	0.008	0.015	7	<10	0.0	7
172	MJTY54-1	35.50	36.40	0.007	0.063	0.25	-	0.066	0.007	4	<10	0.0	30
173	MJTY54-2	36.40	36.80	0.007	0.22	3.46	0.037	0.23	0.18	7	<10	0.0	95
174	MJTY54-3	36.80	38.50	0.006	0.003	0.22	-	0.12	0.002	4	<10	0.0	2
175	MJTY54-4	38.50	39.70	0.14	0.017	6.16	0.068	0.12	0.060	3	<10	0.0	15
176	MJTY54-5	39.70	40.10	0.40	0.023	0.91	0.011	0.19	0.017	4	<10	0.0	23
177	MJTY54-6	40.10	40.40	0.069	0.012	1.83	0.020	0.20	0.053	4	<10	0.0	11
178	MJTY54-7	40.40	42.10	0.007	0.001	0.033	-	0.23	0.003	6	<10	0.0	1
179	MJTY54-8	42.10	43.50	0.38	0.009	0.13	-	0.026	0.030	7	<10	0.0	18
180	MJTY54-9	43.50	46.00	0.41	0.003	0.017	-	0.003	0.019	3	<10	0.0	10
181	MJTY54-10	46.00	48.00	0.48	0.002	0.019	-	0.003	0.047	5	<10	0.0	11
182	MJTY54-11	48.00	50.00	0.51	0.002	0.032	-	0.004	0.024	6	<10	0.0	9
183	MJTY54-12	50.00	51.00	0.40	0.002	0.018	-	0.003	0.026	4	<10	0.0	6
184	MJTY54-13	51.00	52.50	0.64	0.004	0.022	-	0.006	0.013	7	<10	0.0	11
185	MJTY54-14	52.50	55.00	0.30	0.002	0.016	-	0.002	0.010	3	<10	0.0	6
186	MJTY54-15	55.00	57.00	0.40	0.002	0.011	-	0.001	0.044	3	<10	0.0	6
187	MJTY54-16	57.00	58.00	0.25	0.001	0.022	-	0.008	0.046	7	<10	0.0	12
188	MJTY54-17	58.00	59.00	0.73	0.002	0.034	-	0.004	0.11	4	<10	0.0	25
189	MJTY54-18	59.00	60.00	1.14	0.002	0.041	-	0.007	0.11	4	<10	0.0	37
190	MJTY54-19	60.00	60.95	0.78	0.002	0.033	-	0.008	0.066	5	<10	0.0	25
191	MJTY54-20	61.20	61.40	0.85	0.001	0.034	-	0.015	0.076	11	<10	0.0	25
192	MJTY54-21	61.40	63.00	0.10	0.002	0.28	-	0.056	0.011	7	<10	0.0	3
193	MJTY54-22	63.00	65.00	0.68	0.002	0.48	-	0.051	0.085	9	<10	0.0	16
194	MJTY54-23	65.00	66.00	0.83	0.001	0.022	-	0.060	0.032	8	<10	0.0	19
195	MJTY54-24	66.00	67.05	0.36	0.001	0.040	-	0.042	0.037	12	<10	0.0	11
196	MJTY55-1	57.20	58.20	0.002	0.046	0.30	-	0.049	0.004	5	<10	0.0	24
197	MJTY55-2	58.20	60.00	0.005	0.15	1.10	0.015	0.076	0.029	6	<10	0.0	80
198	MJTY55-3	60.00	61.15	0.003	0.067	0.86	0.012	0.051	0.031	6	<10	0.0	53
199	MJTY55-4	68.20	69.30	0.093	0.30	4.94	0.065	0.085	0.060	5	<10	0.0	150
200	MJTY55-5	69.30	71.00	0.003	0.08	1.09	0.015	0.11	0.020	6	<10	0.0	54
201	MJTY55-6	71.00	71.50	0.008	0.69	5.52	0.070	0.028	0.081	3	13	0.0	373
202	MJTY55-7	71.50	73.00	0.001	0.062	0.13	-	0.062	0.026	6	<10	0.0	30
203	MJTY55-8	73.00	74.50	0.003	0.23	1.29	0.015	0.079	0.031	6	<10	0.0	110
204	MJTY56-1	6.70	10.50	0.59	0.13	0.10	-	0.075	0.16	12	<10	0.0	53
205	MJTY56-2	27.10	29.00	0.002	0.20	0.19	-	0.006	0.007	9	<10	0.0	18
206	MJTY56-3	29.00	31.00	0.010	0.079	1.04	0.013	0.055	0.037	11	<10	0.0	2
207	MJTY56-4	31.00	32.00	0.15	0.16	1.27	0.007	0.068	0.049	6	<10	0.0	38
208	MJTY56-5	32.00	33.00	0.11	0.018	1.07	0.022	0.30	0.032	18	11	0.0	16
209	MJTY56-6	33.00	34.20	0.001	0.015	0.007	-	0.23	0.007	22	<10	0.0	7