The trends of dykes and quartz-epidote veins intruded along the fractures of the third order are dominant in the directions such as NW-SE and NE-SW. It is therefore likely that these were stemmed from the faulting of the first order as well as the second order. Thus it is inferred that the area had been under the influence of the tectonic movement of the first order at least until paleocene.

3-2 Mineralization

The survey of this time resulted in to discover the mineralized zones at 21 places. (Fig. 21).

The mineralized zones are distributed in abundance in the southeastern part of the area, and scattered only at several places in the northwestern part. Especially in the southeastern part, they show a trend of NW—SE system and are distributed in the central part of the granodiorite stock. This trend is consistent with the direction of intrusion of the stock.

The inineralized zones are found within the stock with one exception. The exception is a copper bearing epidote quartz vein.

1. P-1 Mineralized Zone

The largest mineralized zone in the area (P-1) is distributed along a ridge extending northwesterly in the southeastern part of the area with an extent of 450 m x 250 m. The top and the slope of the ridge are covered by the boulders, showing a form of "rubbly terrain" with no vegetation.

The mineralized zone is composed of disseminated ore in white-altered granodiorite. The ore minerals consist of chalcopyrite, bornite, molybdenite, and secondary minerals such as chalcocite, malachite and limonite. Silicification is the notable alteration of the country rock, which is accompanied by sericitization and chloritization. Thus the mineralized part has generally been white-altered, and it is obviously distinguished from unaltered granodiorite in the surroundings showing the color index of 10 to 20 per cent. The distribution of alteration zone coincides with that of the mineralized zone, and its extent is narrow. Although some barren quartz veins 1 to 3 centimeters wide are partly found in the mineralized zone, brecciated structure is not so conspicuous in general.

Weathering is advanced at the outcrop, which resulted in limonitization around the copper minerals. Therefore, the outcrop of the mineralized zone displays an appearance that brown spots are scattered in white and pale green granodiorite mass. However, since chalcopyrite is present in abundance at the outcrop, it is thought that leached oxidation zone and the secondary enrichment zone are not so deep that the primary sulfide zone would be encountered in a

relatively shallow part. The mineralized zone is divided into high-grade zone, middle-grade zone and low-grade zone according to the grade of copper.

(1) High-Grade Zone

The zone is situated along a narrow ridge put between the scars of landslides on both sides, extending N70°W with an extent of 30 m x 150 m. The northwestern extension can not be made clear because of surface soil cover, though it seems to continue further.

The zone consists of disseminated ore composed of oxidized chalcopyrite two to three millimeters in diameter scattered in highly silicified country rock. Leached copper was deposited as malachite in a form of film in cracks of the country rock. The country rock is generally pale green.

The assay result of ores of the zone is as follows.

	Au g/T	Ag g/T	Cu %
PK009	0.67	11.6	1.52
PM055	0.50	11.2	0.97
PN056	0.40	7.1	0.61
Average	0.52	10.0	1.03

The microscopic observation of PK009 resulted in to identify the minerals mentioned in the above. Bornite is present in abundance, in which a small amount of chalcopyrite is found in a irregular form. Chalcocite is found surrounding bornite along the periphery, and filling the cracks. The periphery of chalcocite has been altered to limonite.

(2) Middle-Grade Zone

The zone occupies the most part of the P-1 mineralized zone, and the average grade is 0.3 % Cu.

Granodiorite, the country rock, is white, being subjected to silicification and sericitization. Chalcopyrite has been limonitized by weathering. Although the ore is characterized by brown spot in white groundmass, brown-spotted ore in green groundmass is locally found. Molybdenite is often observed filling the cavity. Molybdenite-chalcopyrite quartz vein which is not observed in the high-grade zone, was found in the middle-grade zone, and the copper dissemination is found in the wall rock of the vein in a width of 50 centimeters, which becomes poor in ore minerals outward grading into barren quartz vein.

Aplite dyke intruded in the zone, and copper mineralization is observed in the dyke and in the country rock in the vicinity. Thus it is likely that the quartz vein and aplite dyke are in close association with the mineralization.

The assay result of the ores of the zone is as follows.

	Au g/T	Ag g/T	Cu %
PK002	tr	tr	0.16
PK003	tr	2,1	0.30
PK005	tr	tr	0.17
PK006	tr.	tr.	0.22
PK007	tr.	tr.	0.14
PK008	tr.	tr.	0,22
M028-1	tr.	tr.	0,23
M029-1	tr.	tr.	1.29
M082	tr.	tr.	0.17
Average	tr.	tr.	0.32

(3) Low-Grade Zone

The zone is distributed in a form to surround the high-grade and middle-grade zones. The country rock has become white by sericitization, and brown spot is observed. The density of the spot is lower as compared with that of the middle-grade zone.

2. P-2 MIneralized Zone

The zone is situated to the southeast of the P-1 mineralized zone on the opposite bank of Rio Yaque del Sur. The zone consists of altogether four mineralized zones and showings large and small lumped together, which are found in a range of 400 meters along a ridge. The extension of 60 meters was confirmed for the largest one. Although the detail has not been made clear because of thick vegetation and steep topography, the scarps caused by hydrothermal slteration are often observed similar to those of the P-1 zone.

Hydrothermal alteration represented by silicification and sericitization is observed in the mineralized zone and in the surroundings. Although the type of ore is the dissemination similar to that of the middle-grade zone of the P-1 mineralized zone, pyrite dissemination which is hardly fround in other zones is observed in this zone. In the second mineralized zone from the downstream upward, strong silicification and dissemination of chalcopyrite and pyrite are observed in the vicinity of barren quartz vein of NE system.

The assay result of the ore of the zone is as follows.

3. Other Mineralized Zone

Many showings including P-3 to P-11 and P-15 are distributed along the trend of NW-SE system which corresponds to the direction connecting the P-1 mineralized zone and the P-2 mineralized zone, and the size of them confirmed is 10 to 20 meters in extension.

Mineralized zones are also found along the peripheral part of the granodiorite stocks at four points, among which the two points of P-12 and P-13 are distributed on the southern side (footwall side) and P-16 on the northern side (hanging wall side). In the mineralized zones such as P-3, P-5, P-6, P-8, P-9, P-11 and P-15, the country rocks have become white by sericitization, in which disseminated mineralization of limonitized chalcopyrite is observed. The P-4 mineralized zone consists of disseminated mineralization emplaced close to the wall of a quartz vein striking N10°W and dipping 80° northward. Since the sulfide minerals in the quartz vein has been limonitized, no copper mineral was confirmed. The dissemination is brown spotted ore in green groundmass, being more than 10 centimeters in width.

The mineralized zones such as P-7, P-10 and P-12 are the disseminated ones in aplite dykes and the country rocks close to them.

The mineralized zones such as P-13 and P-16 in the peripheral part of the stock are not the disseminated type, but the vein type. The veins are copper bearing epidote-quartz vein about ten centimeters wide. At P-13, the quartz vein is found at the boundary between andesite dyke of NW system and the country rock. At P-16, the strike and dip of the vein are indistinct, because the rock containing the vein has been broken and moved.

The P-14 mineralized zone is the only copper bearing epidote-quartz vein in the area emplaced in the country rock of andesite which belongs to the lower Tireo member. The vein trends northwesterly having the width of about ten centimeters. The ore minerals are chalcopyrite, bornite, malachite, chalcocite and limonite. Under the microscope, exsolution structure of chalcopyrite and bornite is observed, and bornite is considered to be of primary. Although chalcopyrite has not been weathered, the secondary minerals such as chalcocite, malachite and limonite have been formed along the periphery of bornite in a small amount.

Four mineralized zones such as P-18 to P-21 were discovered in the northwestern part of the area. These are inferior in number and scale to those in the southeastern part. These minera-

lized zones are scattered along the peripheral part on the northwestern side (footwall side) of the stock.

The mineralization of P-18, P-19 and P-20 is of the dissemination type in which brown spots are observed in the sericitized white country rock, as generally seen in the southeastern part.

The P-21 mineralized zone is located in the stock (hanging wall side), which is the alteration zone associated with andesite dyke trending northwesterly, and "gossan" can be observed in every place along the fissures of NW system running in Parallel to the dyke.

The assay result of the ores from the mineralization zones such as P-4 and P-20 is as follows.

	Au g/T	Ag g/T	Cu %
PM020 (P-4)	tr.	tr.	0.23
PM091 (P-20)	tr.	tr.	0.19

3-3 Alteration

65 samples for X-ray diffraction were obtained at the measuring points of magnetic susceptibility mentioned later in order to investigate the characters of alteration, distribution of alteration zones, and the relationship between these and the mineralization. Since almost all the mineralized zones in the area except for one occurred in the granodiorite stock, 63 samples out of 65 were those of granodiorite. Two samples of andesite of the Tireo formation were obtained to investigate into the contact metamorphism given to the currounding rocks of the stock. Alteration of the mineralized zone is characterized by silicification and sericilization. In order to make it clear, alteration zoning was classified by mineral assemblage based on the result of X-ray diffraction (Table A-4). The results are shown in the alteration map (Fig. 22, PL. 11).

The mineral assemblage of each alteration zone is as follows.

A Zone: quartz-sericite-chlorite

A' Zone: quartz-sericite-chlorite-horblende

B Zone: chlorite-quartz-(epidote)

'A zone' is a zone generally found in the central part of the porphyry copper-type mineralized zone, in which the rock has become white, megascopically, by marked silicification. The distribution of this is consistent with the mineralized zones such as P-1 and P-2. This zone is distributed on the southwest of the P-1 mineralized zone and on the east of the P-2 mineralized zone. Although no mineralized zone has yet been discovered in these areas, these are the areas distributed by copper geochemical anomalies as mentioned later.

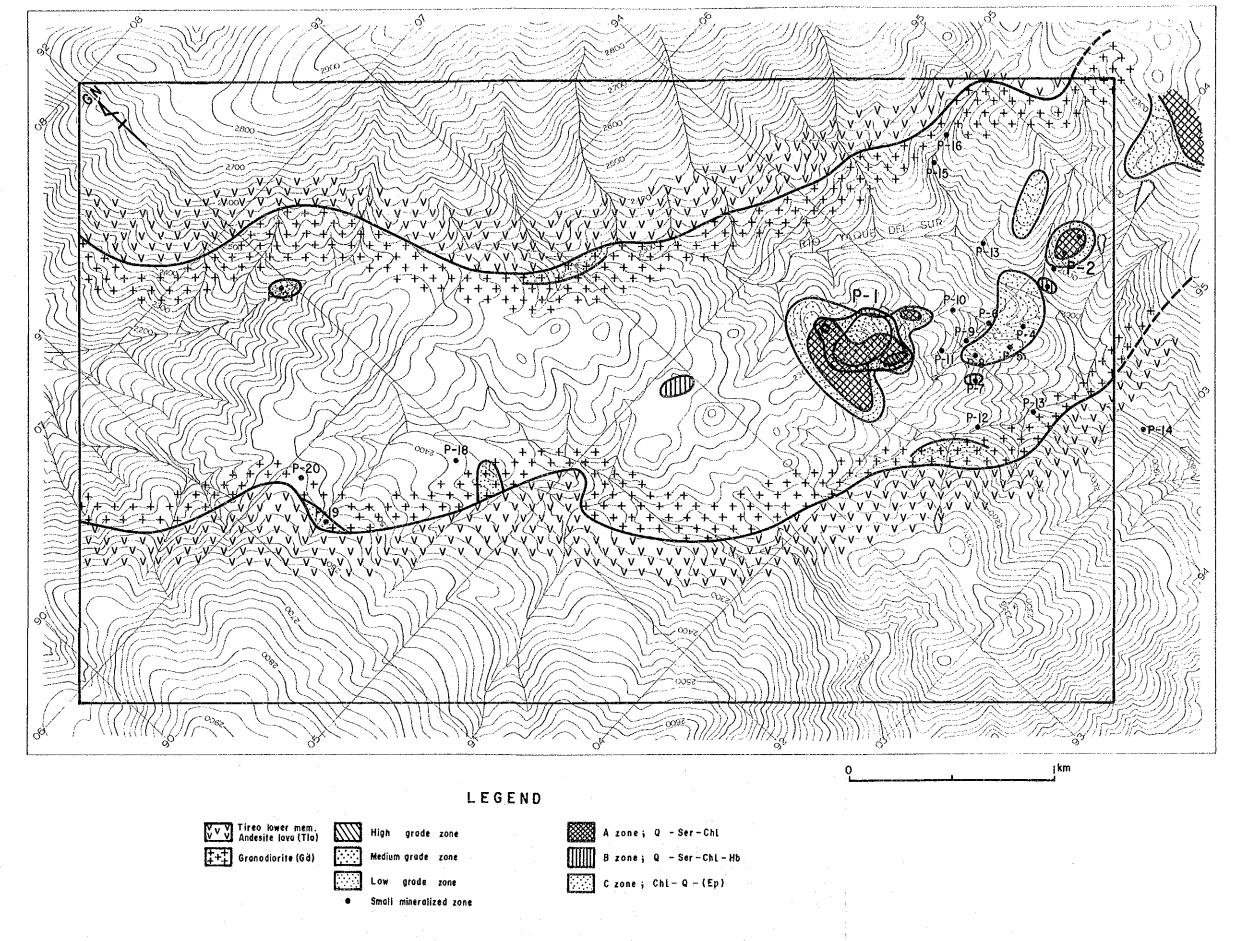


Fig. 22 Alteration Map of the Pico Duarte Sub-Area

While 'A' zone' is similar megascopically with 'A zone' in lithology and mineral assemblage, it is a characteristic of this zone that primary hornblende has survived having been released from complete replacement.

The zone is consistent with the western end of the P-2 mineralized zone and the P-7 mineralized zone. These mineralized zone and showing are small in scale as compared with the P-1 mineralized zone. The reason of the survivition of common hornblende would be considered that it was not replaced completely by chlorite as 'A zone' because mineralization at this zone was weak.

'B zone' is a propylite zone characterized by chlorite and epidote. Megascopically, the mafic minerals have become green, showing distinct green spots.

The zone includes two kinds in the following: the one surrounding 'A zone' at the mineralized zones such as P-1 and P-2 and in their vicinities, and the other distributed independently. The main zone of the former shows a good consistency with the copper geochemical anomalies in the mineralized zones and their surroundings. The independent ones are distributed at the showings and in their vicinities such as P-4, P-5, P-7 and P-19.

The outer part of 'B zone' is granodiorite which had not been affected by the mineralized alteration.

The relationship between alterations in the above and mineralized zones is generalized as the follows. In the relatively large mineralized zone, 'A zone' is situated in the central part of it and 'B zone' surrounds 'A zone'. This fact suggests that quartz, sericite and a part of chlorite of alteration minerals were related to mineralization. Concerning chlorite, it is also observed partly in the outer part of common hornblende in fresh granodiorite which had not been mineralized. Chlorite in it is considered to be the product mineral due to diagenesis. Therefore, there are two kinds of chlorite: the one related to mineralization and the other related to diagenesis, though it can not be classified clearly.

In spite of the same mineral assemblage with 'A zone', the reason of existence of common hornblende in 'B zone' is considered to originate in that all part of common hornblende had not been replaced by chlorite because mineralization was weak.

3-4 Measurement of Magnetic Susceptibility

Magnetic susceptibility was measured in order to grasp quantitatively the alteration. Portable magnetic susceptibility meter was used for the measurement, which was conducted at the outcrops in the vicinity of the sampling points for geochemical survey mentioned later mainly within within the granodiorite stock.

The magnetic susceptibility meter used is KAPPA METER KF 5 Type made of Zechoslovakia, The unit of measurement was 1×10^3 SI unit.

At the time of measurement, efforts were made to prevent generation of errors such as errors of measurement by weathering and that caused by crevices on the surface of the object to be measured. For this purpose, attention was given to scrape out the weathered part on the outcrop and to make smooth the surface.

The measurement was done five times for each point. Two values of the highest and the lowest were excluded, and mean of the three was obtained, which was corrected for unevenness to obtain the measured value (Table A-7).

The values measured showed a notable variation such as from 0.00 up to the maximum of 40.2×10 SI unit.

Since the measured values of unweathered fresh granodiorite showed more than 10.0, the values less than 10.0 were classified as the low anomalies as in the following four ranks.

0.00 – 1.00	(strong low anomaly)
1.01 - 5.00	(middle low anomaly)
5.01 – 10.0	(weak low anomaly)
10.0 +	(background)

An analysis map showing the distribution of anomalies was produced on the basis of these four ranks (Fig. 23, PL. 12).

The anomalous zones are well consistent with the alteration zones worked out based on the result of X-ray diffraction mentioned in the previous section.

The low anomalous zones are widely distributed in the southeastern part of the area, and narrow in the northwestern part. They coinside in the southeastern part with the distribution of the mineralized zones such as P-1 and P-2, and they are megascopically distributed in a trend of NW system.

In the P-1 mineralized zone, the strong low anomalous zones are consistent with the distribution of the high and the middle-grade zones, and the middle low anomalous zone includes the whole area of the P-1 mineralized zone. The extent of these low anomalous zones also coincide with the distribution of copper geochemically anomalous zones.

The strong and middle low anomalous zones are distributed in a considerable scale in the P-2 mineralized zone and in its vicinity.

While there are many showings in the direction of northwest connecting the two mineralized zones of P-1 and P-2, these showings correspond to the middle and low anomalous zones.

The showings also correspond to the low anomalous zones in the northeastern part, but the

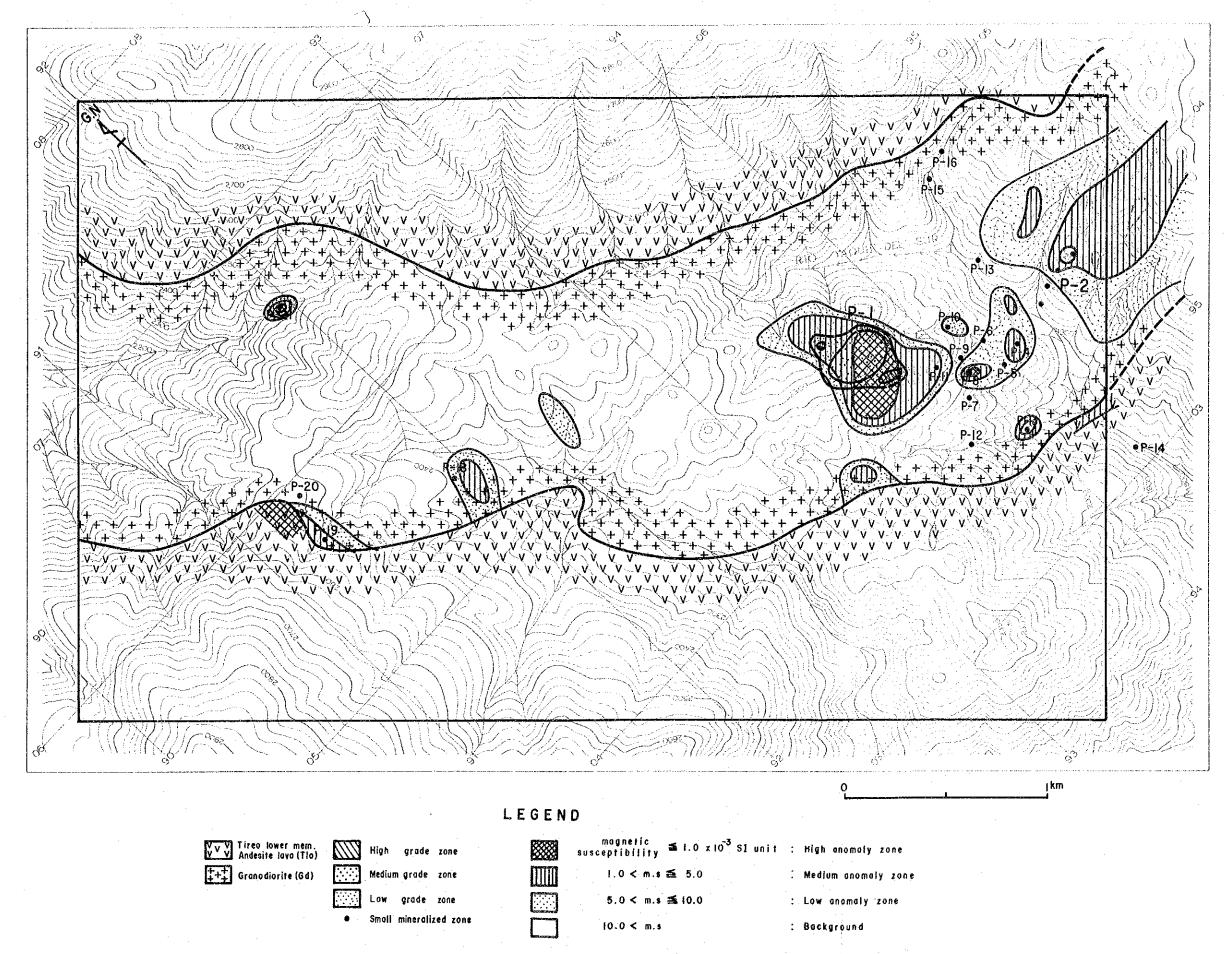
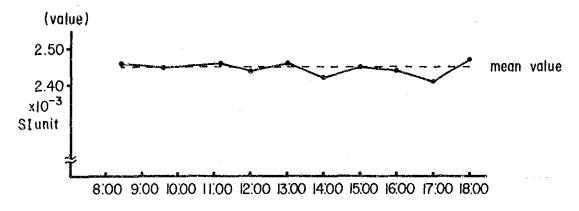
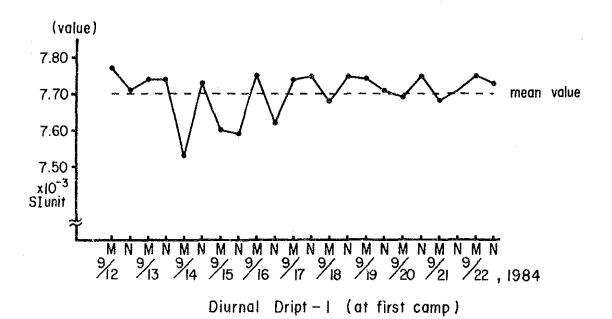


Fig. 23 Analysis Map of Magnetic Susceptibility of the Pico Duarte Sub-Area



Hourly Dript (Sep, 27. 1984 at the Constanza)



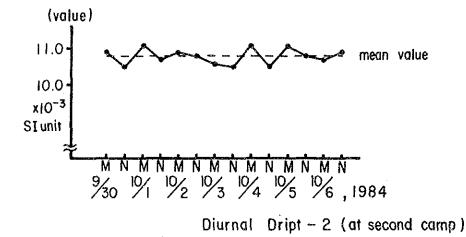


Fig. 24 Graph of Hourly and Diurnal Dripts of Magnetic Susceptibility Meter in the Pico Duarte

strong low anomalous zone is narrow in the extent of distribution or entirely absent.

As mentioned in the above, the areas of distribution of the low anomalous zones are consistent with the distribution of the mineralized zones, and are present in a form to cover them. Expecially, the strong and middle low anomalous zones reflect the mineralized zone. The cause of this seems to be attributable to demagnetization of magnetite which is a magnetic mineral in granodiorite, the country rock, as the result of pyritization by hydrothermal alteration associated with mineralization. As a result, it was proved that the measurement of magnetic susceptibility is highly effective in the area to grasp the characters of mineralization and alteration and the scale of them.

While andesite of the lower Tireo member shows the value of around forty in magnetic susceptibility, demagnetization is recognized in the rock at the contact with the stock. This seems to be caused by demagnetization of magnetite in andesite by heating at the time of intrusion of the stock, which is thought to have rised nearly to the Curie point,

It is not so common that magnetic susceptibility meter is utilized as in this time for the survey of ore deposit. For preparation of the works of this time, the variation per hour and variation per day were measured to check whether the correction of the measured value would be needed or not.

The variation per hour was measured at the office in Constanza on September 27, 1984.

The variation per day was measured twice every day at 7.00 a.m. and at 6.00 p.m. during the period of survey. As the result, the rate of variation of the variation per hour was two per cent (difference between maximum and the minimum mean value x 100). The rate of variation of the variation per day was six per cent at the station 1 and three per cent at the station 2. Thus it was made clear that each variation is small (Fig. 24). Therefore, it was known that it was not necessary to corect the variation per hour as well as the variation per day in such a case of the works of this time.

3-5 Geochemical Survey

Geochemical survey by soil was conducted in the survey of this phase.

The samples obtained were chemically analyzed for six components such as Au, Ag, Cu, Pb, Zn and Mo. The assay result of these were statistically processed by computer, and single component analysis and multivariate analysis by factor analysis were made.

3-5-1 Method of Sampling and Analysis

The sampling was preponderantly made in the area distributed by granodiorite, the host rock of the porphyry copper mineralized zone.

The density of sampling was raised for the mineralized zones newly discovered so as to take hold of the scale (PL.11).

The samples were obtained from the B layer as in other areas, and 105 samples were obtained.

The method of processing and analysis of samples obtained are similar to those in the case of Constanza mentioned previously.

3-5-2 Data Processing

The result of analysis of 105 samples for six components is as shown in Table A-6. The result of these analyses was input into the computer together with the rock type (parent material at the sampling point).

3-5-3 Single Component Analysis

The histogram for each component (Fig. 25) and the cumulative frequency curve for determination of threshold value were produced for analysis as in the case of Constanza mentioned previously (Fig. 26). The result of simple statistics is shown in Table 5.

In the analysis graph, geochemically anomalous zone is expressed by equidensity line. Regarding gold and molybdenum, statistical processing could not be made because most of assay values of these were below detection limit.

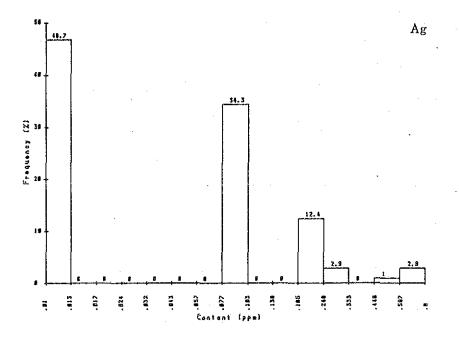
1. Gold (Au)

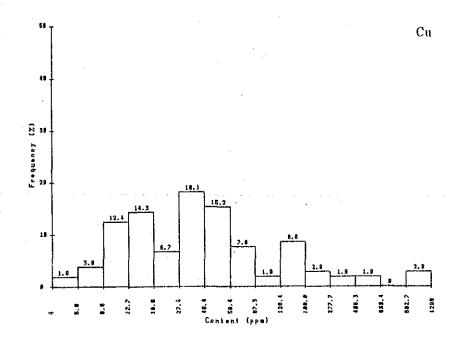
Analysis could not be made because all the assay values of gold were below the detection limit.

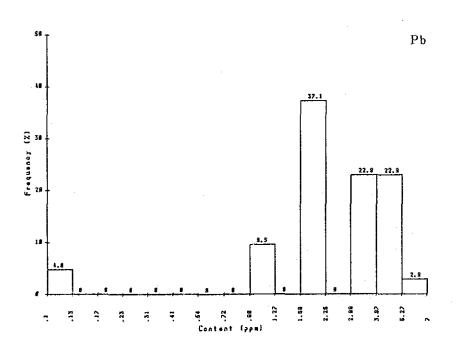
2. Silver (Ag) (PL. 14)

The assay values of silver showed the minimum of less than 0.1 ppm and the maximum of 0.8 ppm. 0.3 ppm was obtained as the threshold value (t) from the skew point of the cumulative frequency curve by making comparison of the histogram. "t" is determined to be 0.7 ppm which is the mean value of the anomalous population.

The equidensity lines in the analysis graph are at 0.1 ppm, 0.2 ppm, 0.3 pp. (t) and 0.7 ppm (t'), and cumulative frequencies for each are about 50 %, 20 %, 6 % and 3 %.







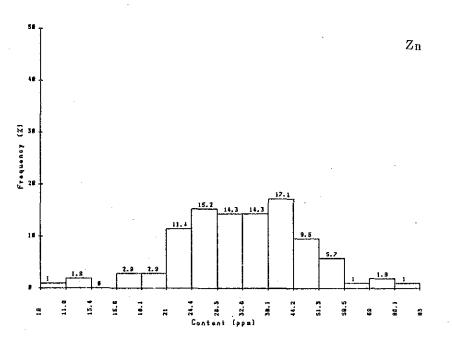
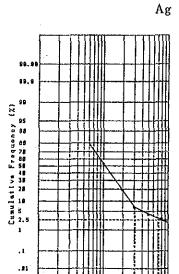
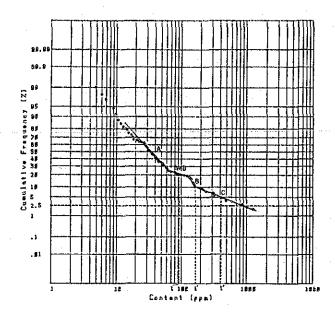
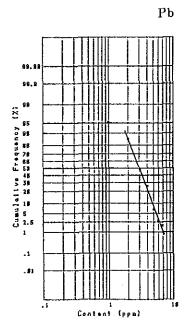


Fig. 25 Histograms of Geochemical Data from the Pico Duarte Sub-Area







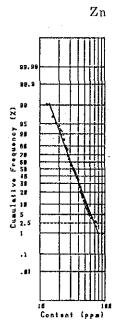


Fig. 26 Cumulative Frequency Distributions of Geochemical Data from Pico Duarte Sub-Area

Table 5 Result of Simplified Stratistical Treatment of Geochemical

Data from the Pico Duarte Sub-Area

Element	Max. (ppm)	Min. (ppm)	Mean (ppm)	t (ppm)	t' (ppm)	t" (ppm)
Au	< 0.01	_	. = '	-	. –	-
Ag	0.8	< 0.1	0.04	0.3 (6%)	0.7 (3%)	~ .
Cu	1298	4	38.3	90 (20%)	160 (10%)	400 (5%)
Pb	7	<1	2.2		_	-
Zn	85	10	33,0	_	_	~
Мо	0.8	_	_	·		-

Table 6 Result of Factor Analysis of Geochemical Data from the Pico Duarte Sub-Area

Factor loading (varimax rotation)				
Factor No.	Factor 1	Factor 2	Factor 3	Communality
Ag ·	0.332	0.226	0.381	0.307
Cu	0.110	-0.005	-0.512	0.274
Pb	-0.026	0.377	-0.020	0.143
Zn	0.464	0.062	-0.116	0.233
Factor contributions	0.339	0.192	0.422	

The anomalous zone higher than t is distributed in the copper anomalous zone mentioned later which is consistent with the P-1 mineralized zone in the northeastern part of the zrea, but they are scatteringly distributed in the western part, not being consistent with the copper anomalies.

3. Copper (Cu) (Fig. 27, PL. 15)

The assay values of copper show the minimum of 4 ppm up to 1298 ppm, showing a marked variation. These assay values are composed of three populations. When they are named as A, B and C from the lower in value toward the higher, A is that of background, while B and C are anomalous populations. Because the two populations of A and B are partly overlapped, 90 ppm was determined to be the threshold value (t) of the population B, 160 ppm as the threshold value (t') of population C and 300 ppm as the mean value of this population (t'') by using Lepeltier method.

The equidensity lines of the analysis graph are at 20 ppm, 40 ppm, 90 ppm (t), 160 ppm (t') and 400 ppm (t''), and the cumulative frequencies for each are about 70 %, 40 %, 20 %, 10 % and 5 %.

While the anomalous zones higher than t are consistent with many locations of mineralized zones, they especially covers the whole area of the P-1 mineralized zone, and further extend northwestward to the part covered by the soil, indicating that the mineralized zone would expand toward the west.

4. Lead (Pb) (PL. 16)

The assay values of lead show the minimum of less than 1 ppm to the maximum of 7 ppm, being generally low in value. Since the cumulative frequency curve is nearly straight, distinct threshold value could not be determined. The equidensity lines are at 3 ppm, 4 ppm, 5 ppm and 6 ppm, and the cumulative frequencies for each are 50 %, 25 %, 7 % and 2.5 %.

Most of the lead anomalies are not consistent with the distribution of the mineralized zones, although a point showing the high value more than 5 ppm is found in the P-1 mineralized zone.

5. Zinc (Zn) (PL. 17)

The assay values of zinc show the minimum of 10 ppm and the maximum of 85 ppm, showing low values in general as in the case of lead. The cumulative frequency curve is nearly straight similar to lead, and the assay values are composed of a single population. The equidensity lines in the analysis graph are at 30 ppm, 50 ppm, 70 ppm and 90 ppm, and their cumulative fre-

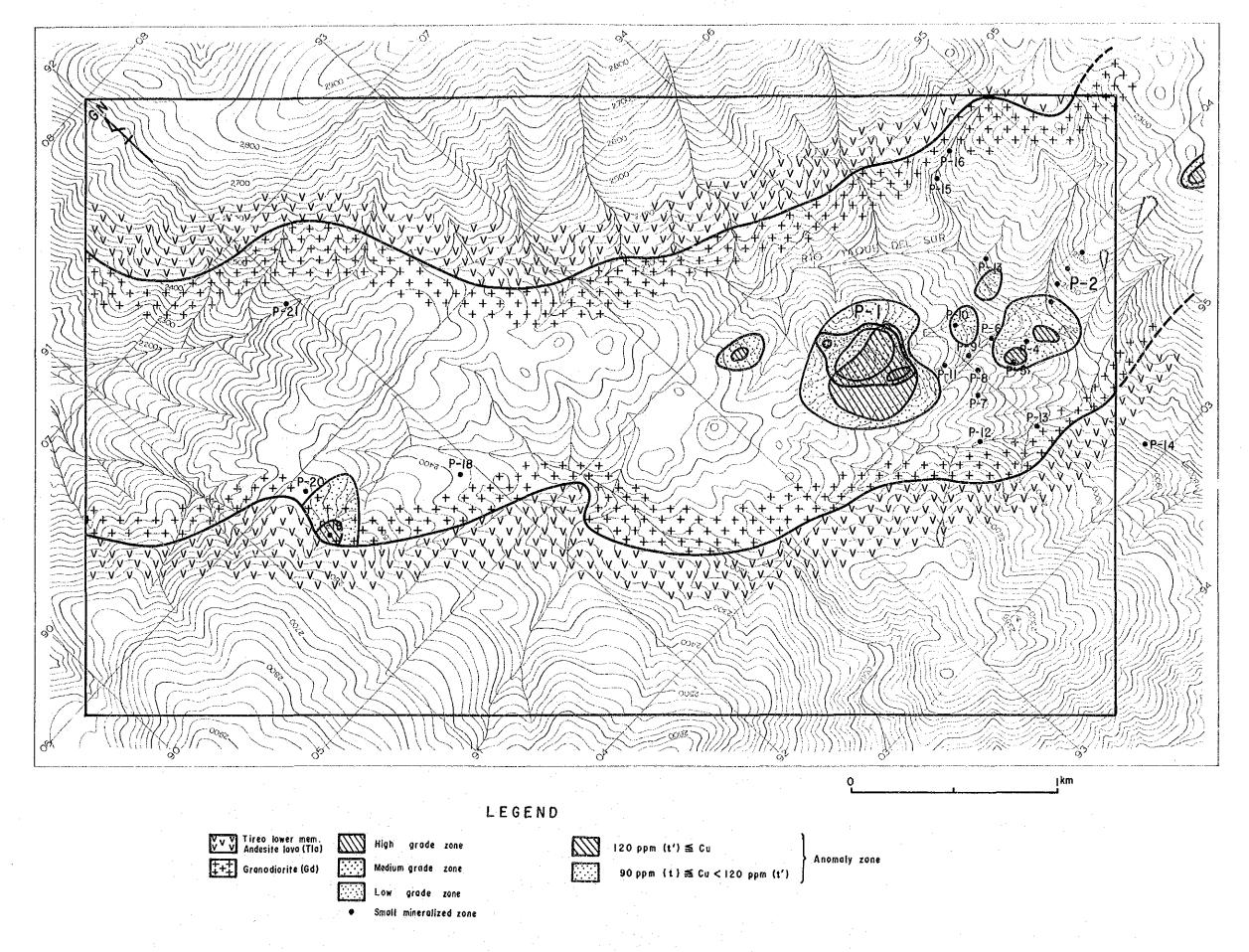


Fig. 27 Geochemical Analysis Map (Cu) of the Pico Duarte Sub-Area

quencies for each are 60 %, 30 %, 10 % and 2.5 %. The points showing high values more than 50 ppm is distributed in a form to surround the P-1 mineralized zone. The zinc anomaly is recognized in the P-2 mineralized zone in which no copper anomaly was detected.

6. Molybdenum (Mo) (PL. 17)

Molybdenum was detected only at 12 points out of 105. These points are mostly found on the northern side of the copper anomalous zone which extensively covers the P-1 mineralized zone.

3-5-4 Multivariate Analysis

Factor analysis of geochemical data by varimax method was conducted in the area as was in the Constanza area. The elements used for the factor analysis are the four elements such as Ag, Cu, Pb and Zn. As to Au and Mo, they were excluded because most of the assay values showed below the detection limit. As the result, three factors including Cu—Zn as the first factor and Pb as the second factor were obtained. The factor loadings, community and contributions of each factor are shown in Table 6.

Investigation of the high factor marks score of each factor, the copper mineralized zone and the single component analysis graph of copper, leads to the assumption that the third factor (Cu) would be the mineralization factor.

The high factor score zones of the third factor are well consistent with the mineralized zones including the P-1 zone (PL. 18).

Other factors which characterize the zones are Cu-Zn-Ag of the first factor and Pb of the second factor. At the P-1 mineralized zone and in its surroundings, the third factor is found at the center surrounded by the first factor, which is further surrounded by the second factor. These facts suggest a zonal arrangement of elements, such as Cu at the center, Cu-Zn and Pb toward outside.

3-6 Discussion and the Promising Area

3-6-1 Discussion

The porphyry copper mineralized zone discovered in the survey is a disseminated mineralized zone occurred in the granodiorite body which intruded into andesite of the lower member of the Tireo formation, striking northwesterly and dipping northward. The ore minerals are mainly composed of chalcopyrite, bornite, and secondary minerals of these. Pyrite is very small in amount as compared with the common copper porphyry deposit. The country rock has

been highly silicified and sericitized. It is a characteristic that brecciated structure is scanty in the mineralized zone.

Only a vein is found in andesite of the lower member of the Tireo formation, while other mineralized zones are all distributed in granodiorite. The mineralized zones are megascopically distributed in a northwesterly trend. This trend is consistent with that of intrusion of granodiorite body.

These facts suggest that the mineralized zones were formed by the ascent of hydrothermal solution through the weak zone formed in association with the intrusion of granodiorite. Regarding the character of hydrothermal solution, it is suggested that it was relatively low in partial pressure of sulfur because of the presence of primary bornite in the mineralized zone as in the case of the mineralization such as Constanza and Mata Grande.

In the P-1 mineralized zone, silicification is a dominant alteration of the country rock as mentioned in the above, and the alteration zone is narrow. The brecciated structure is generally scanty, though it is partly observed. The concentrated zone of ore minerals is separated into three parts. These facts suggest that the erosion has advanced in the neighborhood of the P-1 mineralized zone.

3-6-2 Promising Area

1. P-1 Mineralized Zone

Although the extent of mineralized zone exposed on the surface is 450 m x 250 m, the geochemical anomaly of copper, the low magnetic susceptibility zone and the alteration zone extend further to the southern part covered by surface soil. (Fig. 23, 24, 28). If the latent mineralized zone is included, the whole extent would be 500 m x 500 m.

The high grade zone exposed on the surface (0.5 g/t Au, 10 g/t Ag, 15 Cu in average) is 30 meters in width and 150 meters in length. This part is expected to expand to the southern part covered by the soil. Although there is a possibility that erosion has advanced in this area, the mineralized zone is expected to continue to the deeper part.

2. P-2 Mineralized Zone

Low magnetic susceptibility zone is widely distributed over the P-2 mineralized zone, and individual mineralized zones and alteration zones are scattered in this extent. Therefore, the area is expected for the existence of latent mineralized zones.

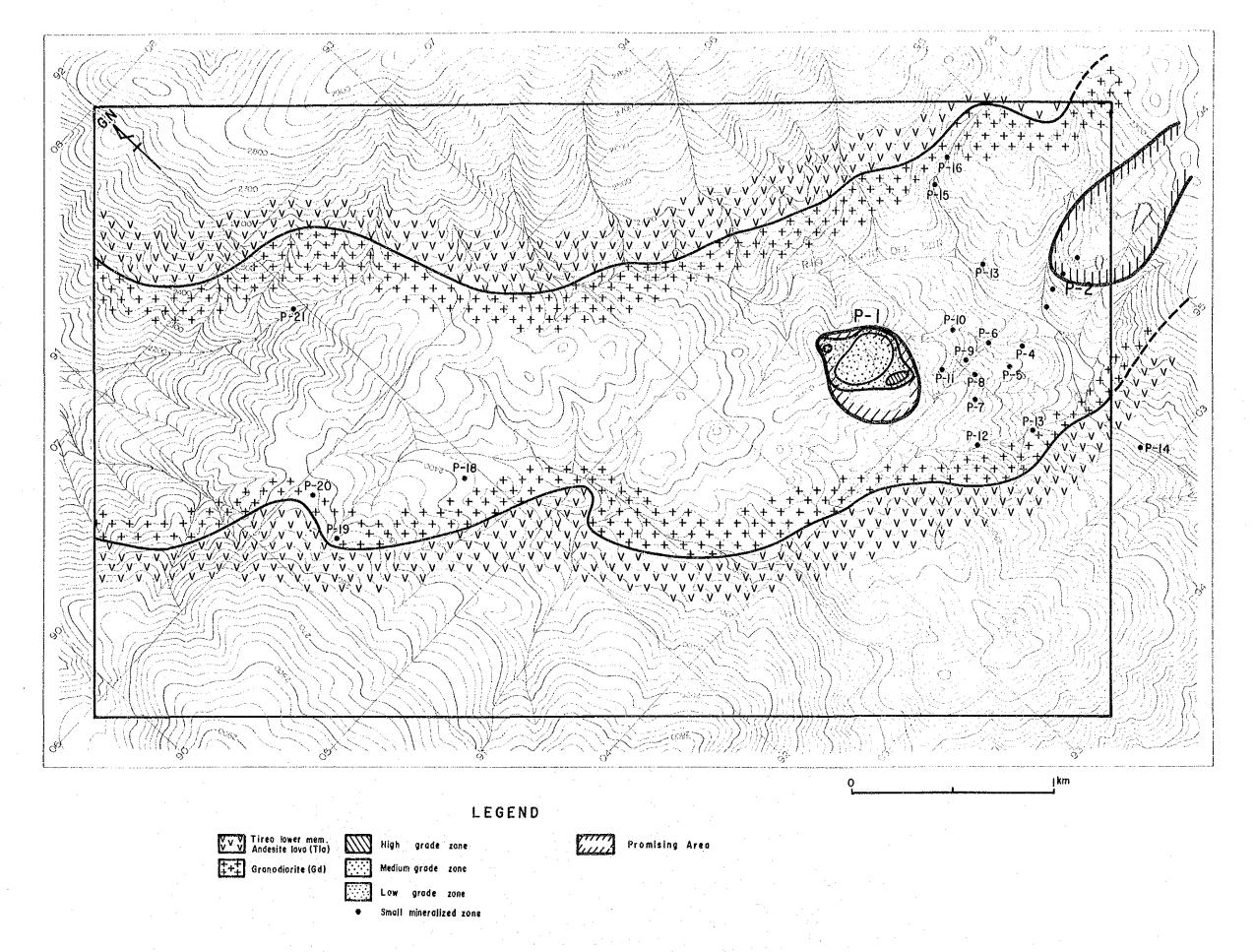


Fig. 28 Promising Areas in the Pico Duarte Sub-Area

CHAPTER 4 MATA GRANDE SUB-AREA

4-1 Geology and Geologic Structure (Fig. 29, PL. 18)

The area extending northwesterly includes the Mata Grande mine in which the operation is suspended at present.

The access is better than the other two areas, and a driveway leads to the Mata Grande mine.

1. Geology

The area is composed of the pre-Cretaceous Duarte formation and the tonalitic rocks.

The Duarte formation is divided into the lower member and the upper member according to the rock facies, and the area is situated at the boundary between these two members.

The lower member is distributed in the northern part of the area, and consists of green meta basalt (Dlb). The rock is generally massive, schistose structure is often observed.

Under the microscope, the rock displays schistose texture, and metamorphic minerals such as chlorite and epidote have been formed. Partly subophitic texture, the original texture remains in same parts, in which the primary minerals such as plagioclase and two pyroxenes have been survived.

The upper member is extensively distributed in the southern part of the area, and composed of green schist (Dubt). Green sheist is green to pale green, showing a distinct schistosity. The main constituent minerals are actinolite, epidote, chlorite and plagioclase, and pumpellyite is rarely observed.

The lower and the upper members of the Duarte formation belong to the green schist facies represented by chlorite and epidote. These metamorphic rocks have been suffered to contact metamorphism in the vicinity of the contact with the tonalite mass intruded into the formation, which led to form porphyroblasts such as biotite and hornblende oriented oblique to the schistosity.

The tonalitic intrusive rocks are composed of the El Bao tonalite batholith (Tnb) and tonalite dykes (Tns).

The El Bao batholith is widely distributed in the eastern part of the area. The batholith has nearly straight boundaries trending westnorthwesterly, which is divided into several sheets in a form of dyke in the vicinity of the Mata Grande mine.

The rock facies is homogeneous, medium to coarse-grained common hornblede tonalite, and weak schistosity is rarely observed at the contact with the metamorphic rocks of the Duarte

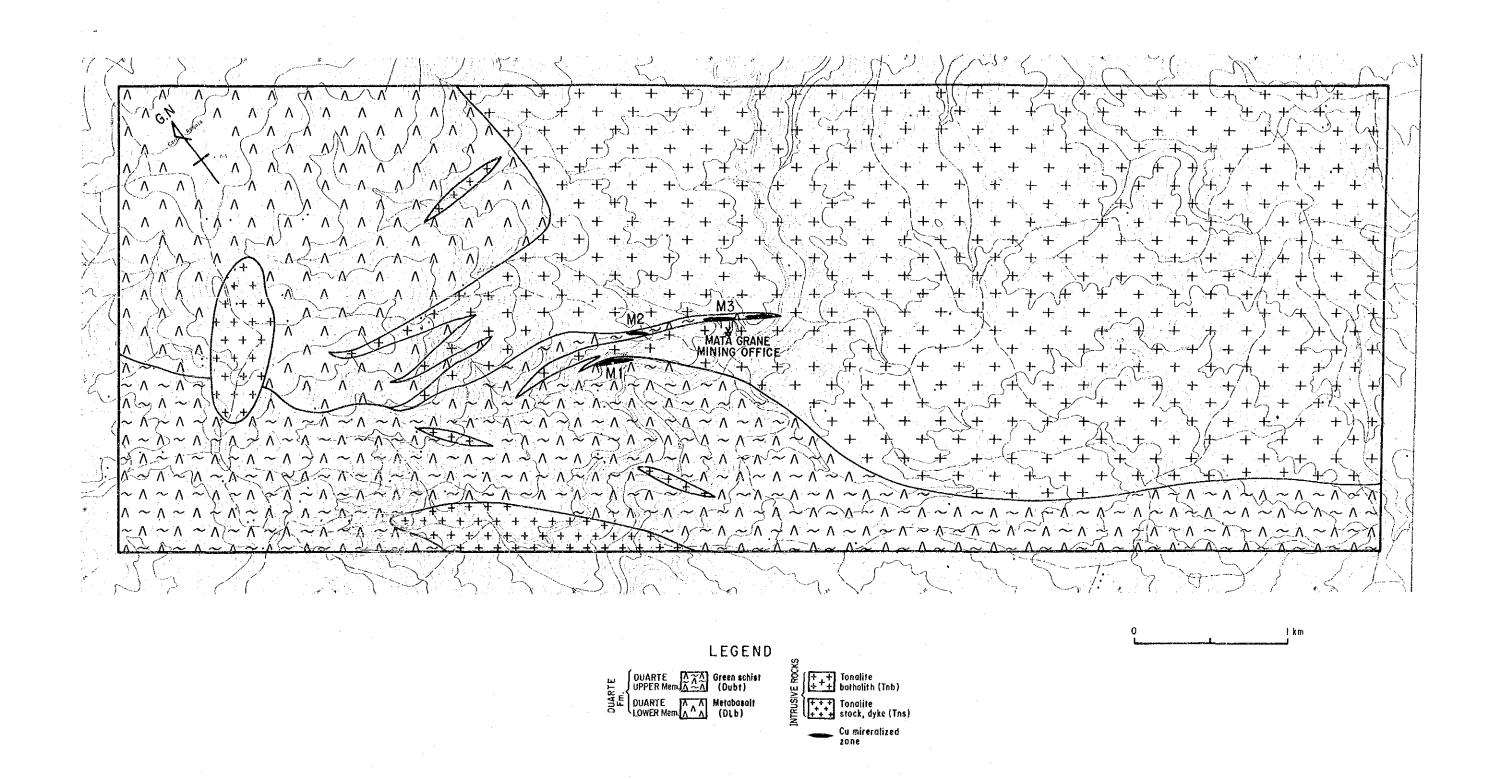


Fig. 29 Geological Map of the Mata Grande Sub-Area

formation.

The tonalite dykes show the trends such as NW-SE system and NE-SW system, among which the former is dominant. The rock facies is fine to medium-grained common hornblende tonalite, in which harmonious schistosity with that of the metamorphic rocks of the Duarte formation is often observed.

2. Geologic Structure

A synclinal structure trending northwesterly to west-northwesterly is assumed in the central part of the Mata Grande area from the survey of the first phase. The area is situated on the northern limb of the syncline. It is estimated that the bedding of the lower member and the upper member of the Duarte formation distributed in the area strikes west-northwesterly and dips southward from the distribution of rock facies of these two members. The schistosity of these metamorphic rocks strikes north-northwesterly and dips northward, which is consistent with those of the main tectonic lines of the Hispaniola Island.

The intrusion of the tonalitic rocks has been controlled by the main tectonic movement as shown in the form of intrusion of the El Bao batholith which was controlled by the main tectonic line. Especially the projection of the Batholith and the tonalite dykes in the vicinity of the Mata Grande mine have intruded in consistent with the schistosity.

As a summarization of the above, it can be said that the whole neighborhood of the area have been undergone regional metamorphism in the stage of orogeneic movement which was accompanied by generation of the main tectonic lines, which provided the field for the intrusion of batholiths and dykes along the weak lines of the same system as the main tectonic lines. Especially it is suggested that the area in the vicinity of the Mata Grande mine was a part of weak lines, since the projection of batholith and many dykes have been intruded in this part.

4-2 Mineralization and Alteration

The survey of the first phase resulted in to make clear that the mineralization of the area was in close relation with the tonalite intrusive bodies and the tectonic line of NW system, which led to contribute to obtain the guidance of mineral exploration in the area.

The survey of the second phase was conducted effectively on the basis of the data obtained by the geological survey and geochemical prospecting of the first year. The copper vein-type deposits of Mata Grande were traced and the analysis of the ore deposits was made scientifically.

The deposit is situated on the northern bank of the Rio Bao about 15 kilometers to the formation and tonalite, and the ore deposit is composed of copper veins occurred in these rocks.

In connection with the search for the source of geochemical anomalies of gold, no gold was detected, although many quartz veins were discovered and typical samples of them were chemically analyzed.

1. Mata Grande Deposit

The deposit is situated on the northern bank of the Rio Bao about 15 kilometers to the southwest of San Jose de Las Matas.

The access to the site from San Jose de Las Matas is to drive jeep for about two hours, being fairly good accessibility.

The geology in the vicinity of the Mata Grande deposit consists of green schist of the Duarte formation and tonalite, and the ore deposit is composed of copper veins occurred in these rocks. Megascopically, the ore deposit is situated at the southwestern end of the El Bao tonalite batholith. Although it had been thought that the vein in the vicinity of the mine was one vein, it was made clear by the survey of this year that the Mata Grande deposit was composed of three veins of NW system which were arranged in echelon within an extent of 1.2 kilometers in the direction of northwest (Fig. 29). The veins strike N40° to 70°W and dip 60° to 70° northward. The extension of the outcrops can be traced for about 200 meters in the northern part (M-I) which are being explored by pitting or being mind for about 150 meters in the central part (M-II) on the top of ridge, and about 500 meters in the southern part (M-III) which continue from the creek to the hilltop (PL. 9). The veins in the southern part show the longest extension and are stable in scale and grade, being 0.1 to 1.5 meters wide. The outcrops are 1 to 6 meters long in extension, trending N50° to 70°W. The veins include network and disseminated ones and the single veins, which show lenticular in the whole. The ore minerals are composed of chalcopyrite, bornite, chalcocite, covelline, malachite, pyrite and limonite, and the gangue minerals are quartz, epidote and chlorite. Variation of mineral assemblage in the vein is recognized on the outcrop. The ore minerals decrease at the tail end, grading to quartz vein or quartz epidote vein.

Geology in the pit in the northern part (M-1) is composed of tonalite in the upper part and green schist in the lower part. Mineralized zone is found at a boundary between the two rocks, being occurred in green siliceous rock derived from green schist and tonalite. The mineralized zone strikes N60° to 70°W and dips 60° northward. Two types of ore are found. The one is network and disseminated malachite and covelline in quartz vein, and the other is that plenty of chalcopyrite, bornite and chalcocite coexist with quartz. The latter is high grade, and the assay

value of a massive ore in the survey of first year showed 21.6 % Cu. In this part, the mineralized zone in the pit can be traced further northward for about 50 meters.

The outcrops in the central part (M—II) occur in the tonalite, and green schist which is the intercalated layers in tonalite. The outcrops of the veins on the hilltop are 0.1 to 0..4 meter wide and 30 meters long. The trenches were excavated at four places (Fig. 30). The northwestern extension of the vein grades into barren quartz vein several tens centimeters wide. The country rock is green schist, which is silicified and chloritized.

Fig. 30 shows the position of the outcrops and the trenches.

The description on the trenches is shown in the followng.

Trench No.	Size $w(m) \times 1(m) \times d(m)$	Note
1	1 x 9 x 1.5	A trench was excavated in weatered, red agrillized green
		schist, in which no mineralization is observed. Quartz
		vein is partly present in a form of banding, striking
		N50°W and dipping 40° westward.
2	$1.2 \times 9 \times 0.5 \sim 1.5$	Two chalcopyrite-bornite-chalcocite-covelline-malachite-
		quartz veins each 10 centimeters wide are present in the
		pit within a width of one meter, striking N50°W and
•	•	dipping 75° northward. The country rock consists of
		green schist. In the footwall portion, quartz veins which
		has undergone later deformation and red clay derived
		from green schist form a banding structure. The rock on
		the hanging wall side consists of green schist weathered
		and altered to red clay.
		The assay result of the ore vein is as follows:
		Sampling width (m) Au g/T Ag g/T Cu %
		MK002 0.10 1.0 14.0 6.71
3	1.5 x 8.3 x 1.5	A malachite-chalcocite-limonite-quartz vein 0.4 meter
		wide is found in the pit. The country rock consists of
		weathered green schist displaying red to reddish brown
		color.
		·

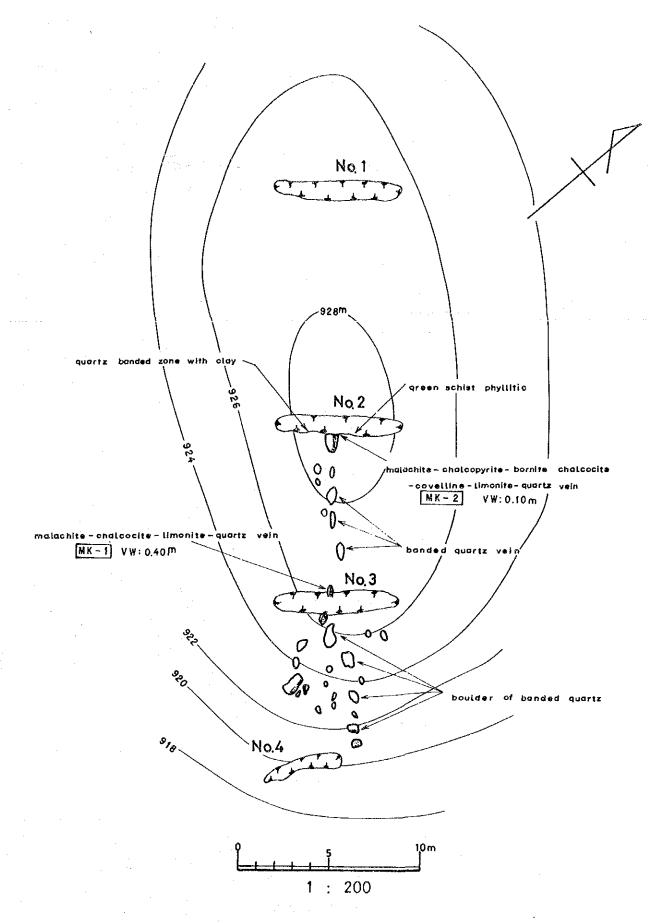


Fig. 30 Location Map of the Outcrops and Trenches at the M-II

The assay result of the ore vein is as follows:

4 $1 \sim 1.5 \times 10 \times 0.5$

A trench excavated in red, weathered soil. No mineralization is observed. The pit bottom is filled up with red clay.

Under the microscope, it is well observed that the network veins consisting of chalcopyrite and bornite are present in quartz and that these have been altered to chalcocite → covelline → limonite by weathering. Malachite is found as a form of vein in gangue minerals in the outside of limonite.

Although bornite is in contact with chalcopyrite in a form of ameba similar to those in the Constanza area, no relation including replacement can not be observed, which leads to a strong possibility that bornite would be primary mineral.

It was confirmed that the outcrops in the southern part (M-III) have an extension of about 500 meters in the whole. The veins are megascopically present in tonalite zone, which is composed of the banding of green schist and tonalite each of which is 1 to 10 meters wide. The size of the outcrops is 0.2 to 1.5 meters wide and 0.5 to 6 meters long, and they strike N40° to 70°W and dip 60° northward to 80° southward. The veins somewhat vary in occurrence from place to place.

The outcrops in a small vein on the northern side show two modes of occurrence: the one includes the mineralized lenses mainly composed of sulfide and quartz, occurred in green schist, and the other includes the vein in tonalite. The former occurs in green schist layer 5 meters wide intercalated in tonalite, and the mineralized lens is emplaced along the schistosity of green schist which is striking $N50^{\circ}W$ and dipping 60° northward. The scale of the lenses is 0.3×0.7 to 0.1×0.2 meter. The constituent minerals consist mainly of chalcopyrite and quartz, accompanied by a small amount of malachite, bornite and chalcocite. The ore minerals in these lenses are fine-grained, and show a peculiar appearance seemingly to be of massive ore.

The veins in tonalite are the copper quartz vein containing malachite, chalcopyrite, bornite, chalcocite and covelline. The courtry rock surrounding the veins is chloritized fine-grained, pale green altered rock showing the schistosity. These are 5 to 30 centimeters wide and 70 centimeters long. The northeastern extension of these veins grade into the barren quartz veins several tens centimeters to 2 meters wide.

The assay result of these mineralized zones is as follows:

	Sampling width (m)	Au g/T	Ag g/T	Cu %
Lens in green schist (MK008)	0.30	0.20	8.0	8.39
Vein in tonalite (MK006)	0.20	0.50	12.8	7.22

Under the microscope, chalcopyrite is present in abundance containing a small amount of bornite of irregular shape. Covelline and chalcocite have replaced chalcopyrite and bornite. Covelline is abundant in quantity. Although covelline and chalcocite are the secondary minerals produced by weathering, bornite is likely to be a primary mineral from its occurrence. Limonite is absent; that is, iron has been leached out, and only copper survived.

The outcrops on the hilltop in the sourthern part are composed of single or network veins consisting of malachite, chalcopyrite, chalcocite, covelline, limonite and quartz. The country rock is green schist intercalated in tonalite.

The outcrops are 0.4 to 1.5 meters wide and 1 to 6 meters long, striking N40° to 50°W and dipping 60° northward to 80° southward. In the southern extension of the vein, ore minerals decrease gradually, grading into quartz vein. Chlorite is a remarkable alteration mineral. The assay result of the typical ores obtained from the outcrops is as follows:

	Sampling width (m)	Au g/T	Ag g/T	Cu %
MK015	0.50	0.30	8.9	1.37
MK016	1.50	0.50	4.7	4.47
MK017	0.40	0.25	0.8	0.88
MK018	0.50	0.20	2.5	1.71

2. Quartz Vein

The survey to purpose the origin of gold was conducted in this year, because the gold deposit of alluvial type is distributed in the Mata Grande area and because the geochemical anomaly of gold was detected in the geochemical survey of the first phase.

The survey was preponderantly directed to the investigation of quartz vein since it is said that the middling of alluvial gold consists of quartz. Many quartz samples were obtained, and typical ones were chemically analyzed, but no gold was detected.

The quartz veins are classified into two kinds as in the following.

(1) Quartz Vein Associated with Copper Vein:

It is distributed at the tail end of the copper veins of the Mata Grande mine and in the vicinity of them mentioned in the above, and it is related to the mineralization of copper.

Some variation of mineral assemblage is observed according to the locality, such as quartz vein, quartz-epidote vein and quartz-chlorite vein. Quartz of low crystallinity and milk white in color is dominant. The veins are 10 centimeters to 2 meters wide, striking northwesterly and dipping northward.

Chemical analysis of the quartz vein at the tail end of the northern vein of the Mata Grande copper vein (MK005) and the quartz vein at the northern end of the southern vein (MK013) revealed no content of gold.

Gold is ubiquitously contained in the Mata Grande copper vein where copper mineral is present in such grade as 0.1 to 0.5 g/t. The facts in the above mean that gold exists in close association with copper.

(2) Independent Quartz Vein

Many quartz veins and quartz-epidote veins several centimeters to 2 meters wide are found in tonalite and green schistose rocks. A alrge number of quartz veins and epidote-quartz veins several centimeters to several tens centimeters wide were discovered in tonalite batholith in the basin of Rio Jamamun in the southeastern part of the survey area where gold geochemical anomalies were detected. Most of them strike northwesterly and dip northward. The quartz is generally of high crystallinity and white in color. Although the alteration of the country rock is weak, silicification and montmorillonitization are observed. Chemical analysis of the typical vein among these (MK034) led to detect no gold.

Many quartz veins are also found in tonalite and green schistose rocks to the west of the Mata Grande mine, and the typical veins (MS011, MS012, MT006, MT011) were analyzed but no gold was detected.

4-3 Geochemical Survey

Geochemical survey by soil was conducted in the survey.

The samples obtained were chemically analyzed for six components such as Au, Ag, Cu, Pb, Zn and Mo. The assay result of these were statistically processed by computer, and single component analysis and multivariate analysis by factor analysis were made.

4-3-1 Method of Sampling and Analysis

Sampling of soil was conducted by the grid sampling method in order to grasp the lateral extension of the Mata Grande deposit and to find out the origin of placer gold being mined in the area. The survey lines for sampling were set up almost at right angles to the strike of the Mata Grande deposit. The length of survey line was determined to be 1.5 to 2.0 kilometers putting the

deposit at the center. The line-spacing was 200 meters in the vicinity of the ore deposit, which was windened to 500 meters, and then to 700 meters as going away from the center. Samples were taken at an interval of 100 meters in the vicinity of the ore deposit, and 200 meters along the lines far apart from the deposit. 291 samples were obtained, and their locations are shown in PL. 20. Samples were taken from 'B' layer. The method of processing and analysis of samples obtained are similar to those in the case of Constanza mentioned previously.

4-3-2 Data Processing

The result of analysis of 291 samples for sic components is as shown in Table A-6. The result of these analyses was input into the computer together with the rock type (parent material at the sampling point).

4-3-3 Single Component Analysis

The method of analysis is similar to that in the case of Constanza previously mentioned. The histogram for each component and the cumulative frequency curve were produced for determination of threshold value (Fig. 32). The result of the simple statistics is shown in Table 7. Since most of the assay values of gold and molybdenum were below the detection limit, they could not be statistically processed.

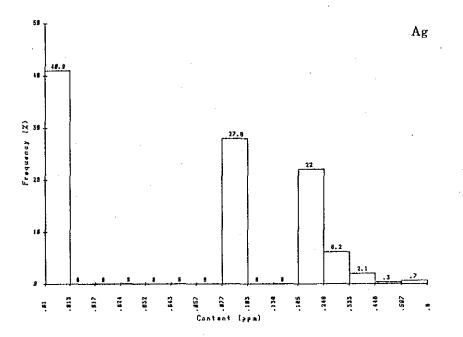
Geochemically anomalous zones were expressed in the equidensity graph for analytical use.

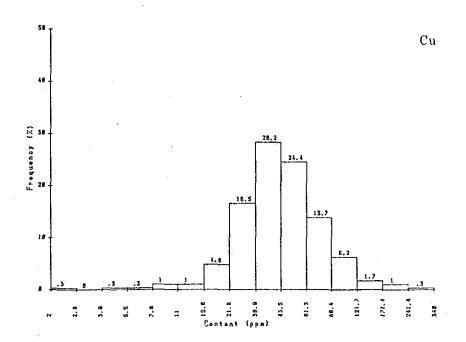
1. Gold (Au)

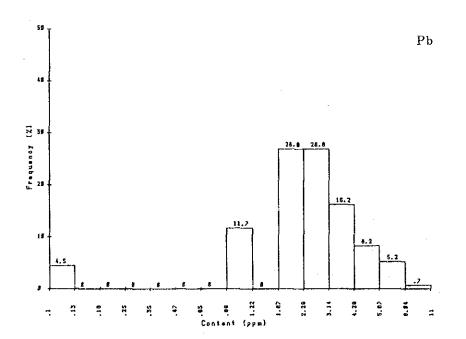
Since assay values of gold were all below the detection limit, the analysis could not be made.

2. Silver (Ag) (PL. 21)

The assay values of silver showed the minimum of less than 0.1 ppm and the maximum of 0.8 ppm. Although the values below the detection limit of 0.1 ppm occupied 40.9 per cent of the whole, distinct threshold value could not be determined because the cumulative frequency curve was nearly straight. The equidensity lines are at 0.1 ppm, 0.2 ppm, 0.3 ppm and 0.4 ppm, and the cumulative frequencies for each are about 60 %, 30 %, 10 % and 3 %. The anomalies higher than 0.4 ppm are found in the areas distributed by tonalite batholith and tonalite intrusive rocks.







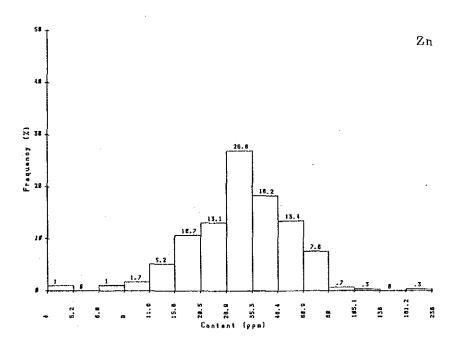
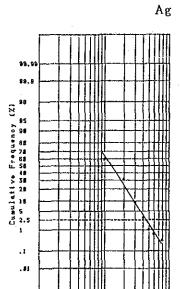
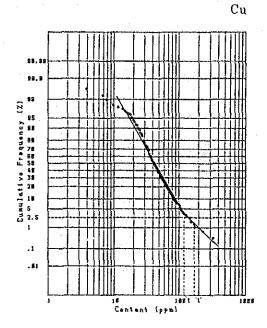
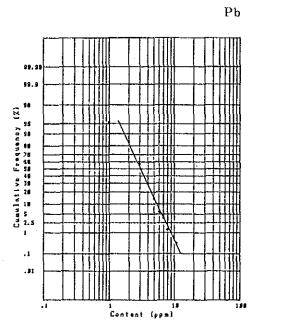


Fig. 31 Histograms of Geochemical Data of the Mata Grande Sub-Area



,i Content (ppm)





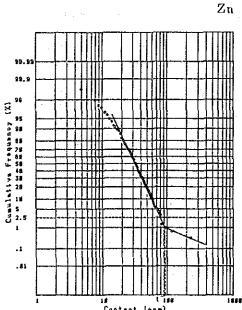


Fig. 32 Cumulative Frequency Distributions of Geochemical Data from the Mata Grande Sub-Area

Table 7 Result of Simplified Stratical Treatment of Geochemical

Data from the Mata Grande Sub-Area

Element	Max, (ppm)	Min. (ppm)	Mean (ppm)	t (ppm)	t' (ppm)
Au	< 0.01		_	_	
Ag	0.8	< 0.1	0.05		-
Cu	340	2	42.8	120 (3%)	170 (1.5%)
Pb	11	1	2,3		-
Zn	238	4	31.4	90 (1%)	
Мо	0.2	< 0.1	-	_	_

Table 8 Result of Factor Analysis of Geochemecial Data from the Mata Gande Sub-Area

(varin	tor loading nax rotation)		
Factor No. Element	Factor 1	Factor 2	Communality
Ag	0.036	0.417	0.181
Cu	0.720	-0.230	0.572
Pb	-0.068	0.120	0,019
Zn	0.746	0.143	0.577
Factor contributions	1.088	0.261	

3. Copper (Cu) (Fig. 33, PL. 22)

The assay values of copper showed the minimum of 2 ppm and the maximum of 340 ppm.

These assay values are composed of two populations, and the value of skew point 120 ppm was obtained from the cumulative frequency curve as the threshold value (t). The values more than 130 ppm occupies three per cent of the whole, and the mean value of anomalous population 170 ppm was determined to be t'.

The equidensity lines in the analysis graph are at 30 ppm, 70 ppm, 120 ppm and 170 ppm, and the cumulative frequencies are 75 %, 20 %, 3 % and 1.5 %.

The anomalous zones higher than t caught the northwesterly trending vein of the Mata Grande deposit as a trend 100 meters to 200 meters wide.

As the result, it was known that the deposit extends for about one kilometers northwest-ward from the mine and about two kilometers southeastward. It was also made clear that another trend of anomalous zone was distributed to the south, suggesting the existence of potential parallel veins which would correspond to the Mata Grande copper vein.

4. Lead (Pb) (PL, 23)

The assay values of lead showed the minimum of less than 1 ppm and the maximum of 11 ppm. The histogram shows the bell-shaped logarithmic normal distribution. The cumulative frequency curve is nearly straight, and these assay values is composed of single population. Since distinct skew point is not present, the threshold value could not be determined. The equidensity lines in the analysis graph are at 3 ppm, 4 ppm, 6 ppm and 8 ppm, and cumulative frequencies are 55 %, 30 %, 6 % and 1.5 %.

The anomalies higher than 6 ppm are dominant in the northwestern part of the area, being almost consistent with the distribution of tonalite intrusives.

5. Zinc (Zn) (PL. 25)

The assay values of zinc showed the minimum of 4 ppm and the maximum of 238 ppm. Although the histogram shows bell-shaped logarithmic normal distribution as in the case of lead, the skew point is present on the cumulative frequency curve, and 70 ppm, the value of it was determined to be the threshold value. Since the values higher than 70 ppm are very small in number, being one per cent of the whole, the supplementary threshold value (t') was not obtained. The equidensity lines in the analysis graph are at 30 ppm, 40 ppm, 70 ppm and 90 ppm, and the cumulative frequencies are 60 %, 30 %, 5 % and 1 %.

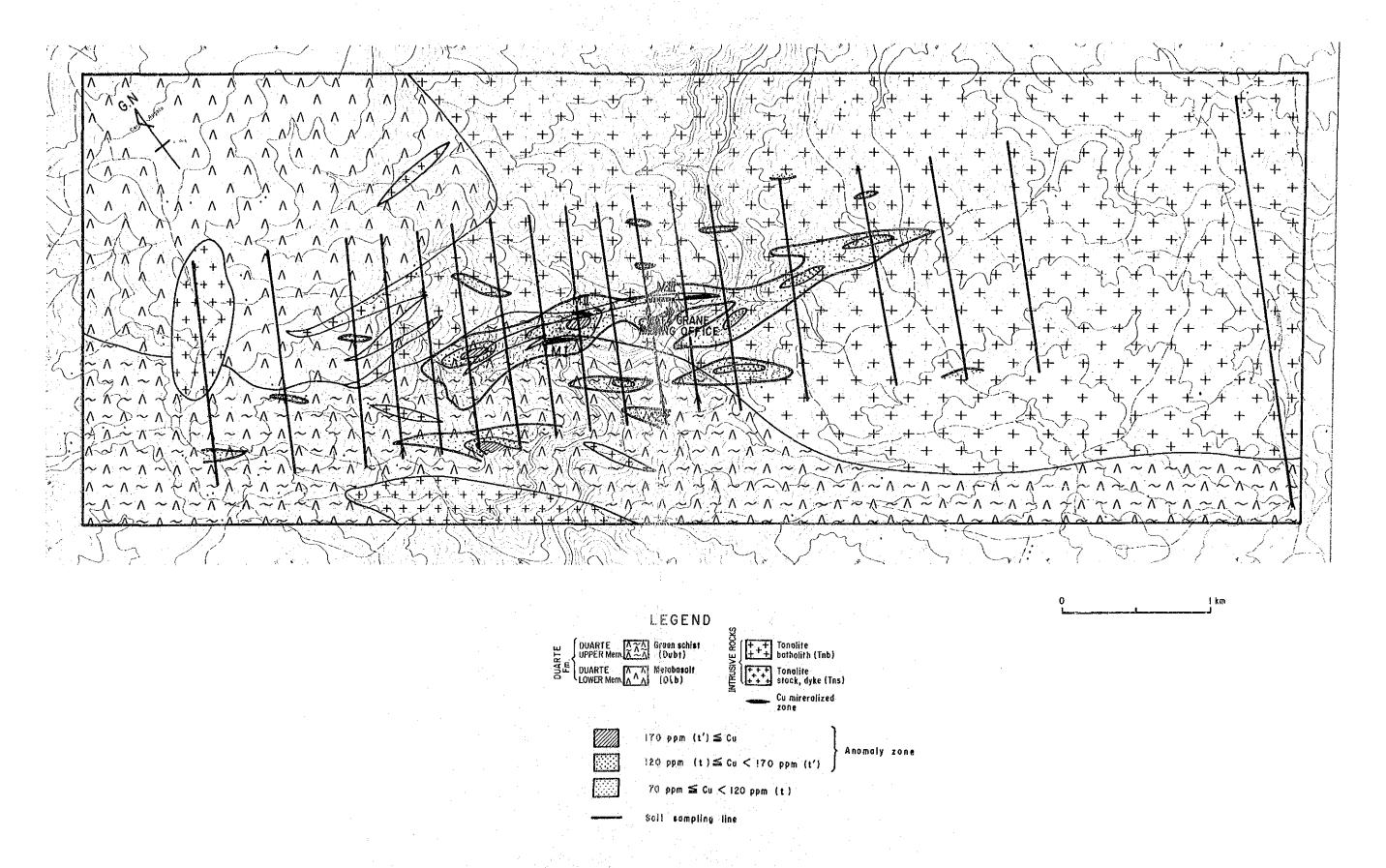


Fig. 33 Geochemical Analysis Map (Cu) of the Mata Grande Sub-Area

Although the zinc anomalous zone higher than t caught the Mata Grande deposit similarly to the copper anomalous zone, and it shows a marked southeastward extension as compared with the copper anomalous zone, no notable northwestward extension can not be observed.

6. Molybdenum (Mo) (PL. 24)

About 93 per cent of the assay values of molybdenum showed the values below the detection limit of 0.1 ppm. All the points detected are present in the area distributed by tonalite intrusive rocks.

4-3-4 Multivariate Analysis

Factor analysis of geochemical data by varimax method was conducted in the area as was in the Constanza area. The elements used for the factor analysis are the four elements such as Ag, Cu, Pb and Zn. As to Au and Mo, they were excluded because most of the assay values showed below the detection limit. As the result, the factors such as Cu—Zn as the first factor and Ag as the second factor were obtained. The factor loadings, community and contributions of each factor are shown in Table 8.

The investigation of the high factor marks, the copper mineralized zone and the single component analysis graph of copper, leads to the assumption that the first factor (Cu-Zn) would be the mineralization factor.

The high marks zones of the first factor (Cu-Zn) include a northwesterly trending zone which caught the Mata Grande deposit, and another one to the south of it.

The other factor, the second factor is the one characterized by silver. Although the high marks are present in the area distributed by tonalite batholith, it has not been made clear whether it reflects the character of the country rock or it is related to gold of which the analysis was of the country rock or it is related to gold of which the analysis was impossible.

4-4 Discussion and the Promising Area

4-4-1 Discussion

The Mata Grande deposit consists of copper veins occurred in the country rokes such as green schistose rocks of the Duarte formation and tonalite. The deposit is composed of three veins arranged in echelon trending northwesterly.

The outcrops of the veins are approximately 150 meters, 200 meters and 500 meters in extension respectively from northwest to southwest, being distributed in an extent of 1.2 kilometers.

The result of geochemical survey shows that the copper anomalies continue to both sides of northwest and southeast, reaching 3 kilometers in total extension. Some copper anomalies extending northwesterly were detected to the south of the above, which suggests the potential existence of the parallel veins.

It is thought that these veins were formed by mineralization associated with the potential tectonic lines of NW—SE system of the first and the second orders.

The assemblage of the ore minerals and the alteration of sulfide minerals by oxidation show the same type as in those of the Constanza sub-area. The difference is that although the outer periphery of chalcopyrite at Constanza has oeen limonitized, the Mata Grande deposit is deficient in limonite, which leads to the assumption that in the latter, leaching of iron has been advanced as compared with that of copper.

4-4-2 Promising Area (Fig. 34)

Among the veins of the Mata Grande deposit, those in the zone in the vicinity of the outcrop which is extending for 500 meters in the southwestern part are steady in scale and grade. Since, in this place, the scale and the grade of the vein at the outcrop is relatively stable, the extent from the creek on the east of the mine to the southern slope of the top of mountain seems to be most promising.

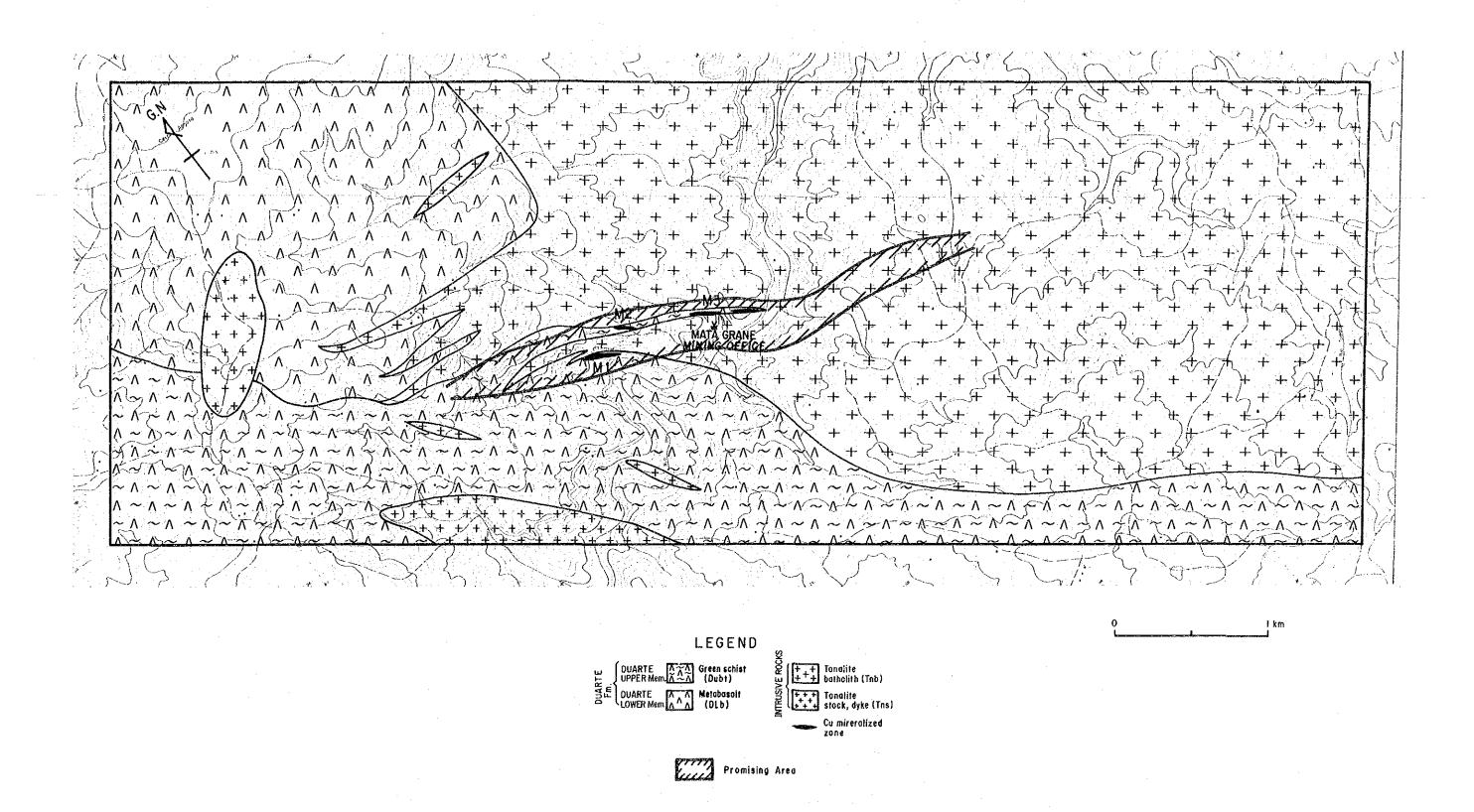


Fig. 34 Promising Area in the Mata Grande Sub-Area

CHAPTER 5 RADIOMETRIC AGE DETERMINATION OF IGNEOUS ROCKS

For the purpose of making clear the relationship between the igneous activity and the mineralization, radiometric dating by K-Ar method was conducted on the tonalite intrusive rocks and the batholith which have relation to the mineralization.

The samples provided for the determination are the six samples obtained from tonalite batholith (Tnb), tonalite stock (Tns), porphyritic tonalite stock and dyke (Tnp), and granodiorite stock (Gd). Fig. 2 shows the location of the sampling point, and Table 9 the result of determination. The geologic time table of W.B. Harland and others (1982) was used for determination.

The age dating of the El Bao batholith provided ages of 41 ± 3 m.y. and that of the El Rio batholith 98 ± 3 m.y.

According to S.E. Kesler and others (1977), the age determination by Bowen (1975) indicated 86 ± 3 m.y. for the intrusion of El Rio batholith.

The ages obtained this time, however, showed the time a little older than that in the above, corresponding to middle Cretaceous.

The ages for the El Bao batholith are very young as compared with that of the El Rio batholith. It seems to be caused by the effect of regional metamorphism and hydrothermal alteration continued until after Cretaceous.

The ages of the intrusive rocks which are related to the mineralization such as tonalite stock, porphyritic tonalite and granodiorite are approximately 60 - 70 m.y. except for those of the Mata Grande area, which correspond to late Cretaceous to early Palaeocene.

The rocks in the Mata Grande area is likely to have been affected by regional metamorphism and hydrothermal alteration.

Generalization of the results in the above leads to the following discussion, although the number of the sample is scarce.

The tonalite batholith intruded in the middle to late Cretaceous as a link of the Laramide Orogeny. After that followed the intrusion of tonalitic rocks of the form of stock and dyke in the vicinity of the batholith from late Cretaceous to early Palaeocene. The regional metamorphism associated with the orogeny continued at least to late Palaeocene.

The copper mineralization in the survey area is closely related to the tonalite intrusive rocks which show the form of stock and dyke, and it is assumed that the time of copper mineralization took place in and after Paleocene contemporaneously to the intrusion of tonalite intrusives and after that.

The fact that the pebbles which have undergone mineralization are contained in the Oligo-

Table 9 Potassium-Argon Dating of Igenous Rocks

								•
Sample No.	Rock Name	Location	Mineral	K(%)	Radiogenic 40Arcc STP/g	Radiogenic 40 Ar/total 40 Ar (%)	Appar. age (m.y. ± σ)	Remarks
D-1	Tonalite (Tnb)	Mata Grande (El Bao)	Whole rock	0.985	1.578x10°6	37.28	40.76 ± 1.41 meta mor-	Altered, meta mor- phosed
D-2	Tonalite (Tns)	Mata Grande Whole rock	Whole rock	0.340	7.427x10°7	37.73	55.34 ± 1.92	do.
D-3	Tonalite (Tnb)	Manabao (El Rio)	Whole rock	0.225	8.776x10 ⁻⁷	38.98	97.66 ±3.43	
D-4	Granodiorite (Gd)	Pico Duarte	Whole rock	0.640	1.606x10°6	20.31	63.42 ± 1.99	
D-5	Pl-Q-Porphyry (Tnp)	Sabana	Whole rock 0.815	0.815	2.009x10 ⁻⁶	31.03	62.33 ± 2.06	
D-6	Tonalite (Tns)	South of Constanza	Whole rock	0.750	2.086x10 ⁻⁶	41.88	70.16 ± 2.53	

* Analized by CENTRAL RESEARCH INSTITUTE MITSUBISHI METAL CORPORATION.

Age (m.y) =
$$\frac{1}{\lambda_e + \lambda_\beta}$$
 In $\left[\frac{\lambda_e + \lambda_\beta}{\lambda_e} \times \frac{\text{Radiogenic}^{40} \text{Ar}}{K^{40}} + 1\right]$
 $\lambda_\beta = 4.962 \times 10^{-10} / Y$
 $\lambda_e = 0.581 \times 10^{-10} / Y$
 $K^{40} / K = 0.01167 \text{ atom } \%$

cene formation is not contradictory to the result obtained.

CHAPTER 6 CONCLUSION AND RECOMMENDATION FOR THE SURVEY OF PHASE III

6-1 Conclusion

By the geological survey and the geochemical survey carried out in the survey of the second phase, the following facts were made clear.

- 1. The mineralization of the area would be formed in association with the tectonic movement and the igneous activity in the latest stage of the Laramide Orogeny in the period between Paleocene and before the Oligocene, which include the vein-type and the porphyry copper-type mineralized zones.
- 2. Vein-type mineralized zones are present in the Constanza sub-area, and they are classified into the following two groups.
 - (1) Those associated with the tectonic line of NW-SE system:

the vein-type copper mineralized zones found in the areas such as El Gramoso, Hato de Los Rodriguez and Sabana.

It is considered that the veins at El Gramoso and Hato de Los Rodriguez were formed in the shearing fissures associated with the tectonic lines of NW-SE system, and the those at the Sabana were formed in the fracturing fissures associated with those of NW-SE system.

(2) Those associated with the tonalite intrusive body:

the vein-type copper mineralized zones and copper, lead and zinc mineralized zones as well as the pyrite-dissemination mineralized zones in the southern part of Constanza.

The veins of the former are higher in grade and larger in scale than those of the latter.

- 3. The promising areas in the Constanza sub-area include the following two areas in which many outcrops of veins were discovered.
- (1) Loma Sito Grande Area:

the occurrence area of copper veins 12 square kilometers in extent.

The area is the Mt. Loma Sito Grande and its surrounding place, and includes El Gramoso where 45 outcrops were discovered. The veins in El Gramoso are gold bearing copper ones which is are relatively large in scale. The largest one among them is 1.5 meters in average width extending for 70 meters. The average grades are 0.3 g/T Au, 17 g/T Ag and 3.2 % Cu.

Most of these veins show the structure striking northwesterly and dipping northward, and the shape of distribution extends northwesterly with similar structure which is the direction of the main geological structure of this region.

The continuity of the veins and the existence of the latent ones can be expected in this area. Because the geochemical anomalies of copper and the high marks of factor-1 (Cu-Zn)

are present on the northeastern slope of Mt. Loma Sito Grande, it can be expected that the group of veins as the same system as that of the El Gramoso area might occur in the northeastern slope.

(2) Hato de Los Rodriguez Area:

the occurrence area of copper veins 1.5 square kilometers in extent.

The area is the place where 14 gold bearing copper veins striking NW direction similar to those of El Gramoso were discovered. The continuity of the veins and the existence of the latent ones can be expected in this area.

4. A porphyry copper mineralized outcrops having an extent of 450 m x 250 m was discovered in granodiorite body in the Pico Duarte sub-area. Among the mineralized zone, an extent of 30 m x 150 m shows the grade of 0.5 g/T Au, 10 g/T Ag and 1 % Cu, and that of 300 m x 200 m shows 0.3 % Cu.

This part is expected to expand to the southern part covered by soil because geochemical anomaly of copper, low magnetic susceptibility and alteration extend from this part to the southern part. Therefore, if the latent mineralized zone is included, the whole extent would be 500 m x 500 m in total.

At 1 kilometer south from here, there is the another low magnetic susceptibility zone which spread whidely (Fig. 13). The small zones of mineralizations, alterations and geochemical anomalies of copper are spottedly distributed in it.

5. It is suggested that the Mata Grande copper vein deposit in the Mata Grande sub-area extend about 3 kilometers in the direction of NW—SE by the geological survey and geochemical survey. The extension confirmed as the outcrops is about 1.2 kilometers in it. The deposit in the vicinity of the mine is composed of three veins arranged in echelon. The largest vein is the one in the southern part which has 500 meters in the extension, 0.7 meters in average width and 0.3 g/T Au, 42 g/T Ag and 2.1 % Cu in average grade.

6-2 Recommendations

On the basis of the conclusion in the above, the following surveys were selected for the surveys in the third phase (Fig. 35).

1. El Gramoso area (5 kilometers in extent),

Many gold bearing copper vein-outcrops of NW system which is the same direction with the main geological structure in this region were discovered in the areas. They are distributed northwesternly with an extent of about 3 kilometers, though the whole aspect has not yet been made clear. Since the scale of the mineralization and the grade of outcrops are relatively stable, the continuity of the veins are expected.

Detailed geological survey and exploration drilling are desirable as the survey of the third phase to make clear the relation of these outcrops and the occurrence of the deeper part of the main outcrops.

2. Pico Duarte area (0.3 kilometers in extent) (Fig. 36)

It is suggested that porphyry copper mineralized zone discovered in this area extends probably to the place covered by soil. It is expected also that it continues to the deeper part because its mineralization is relatively stable.

Induced polarization survey and exploration drilling are desirable to make clear the extent and occurrence of the deeper part of the mineralized zone as the survey of the third phase.

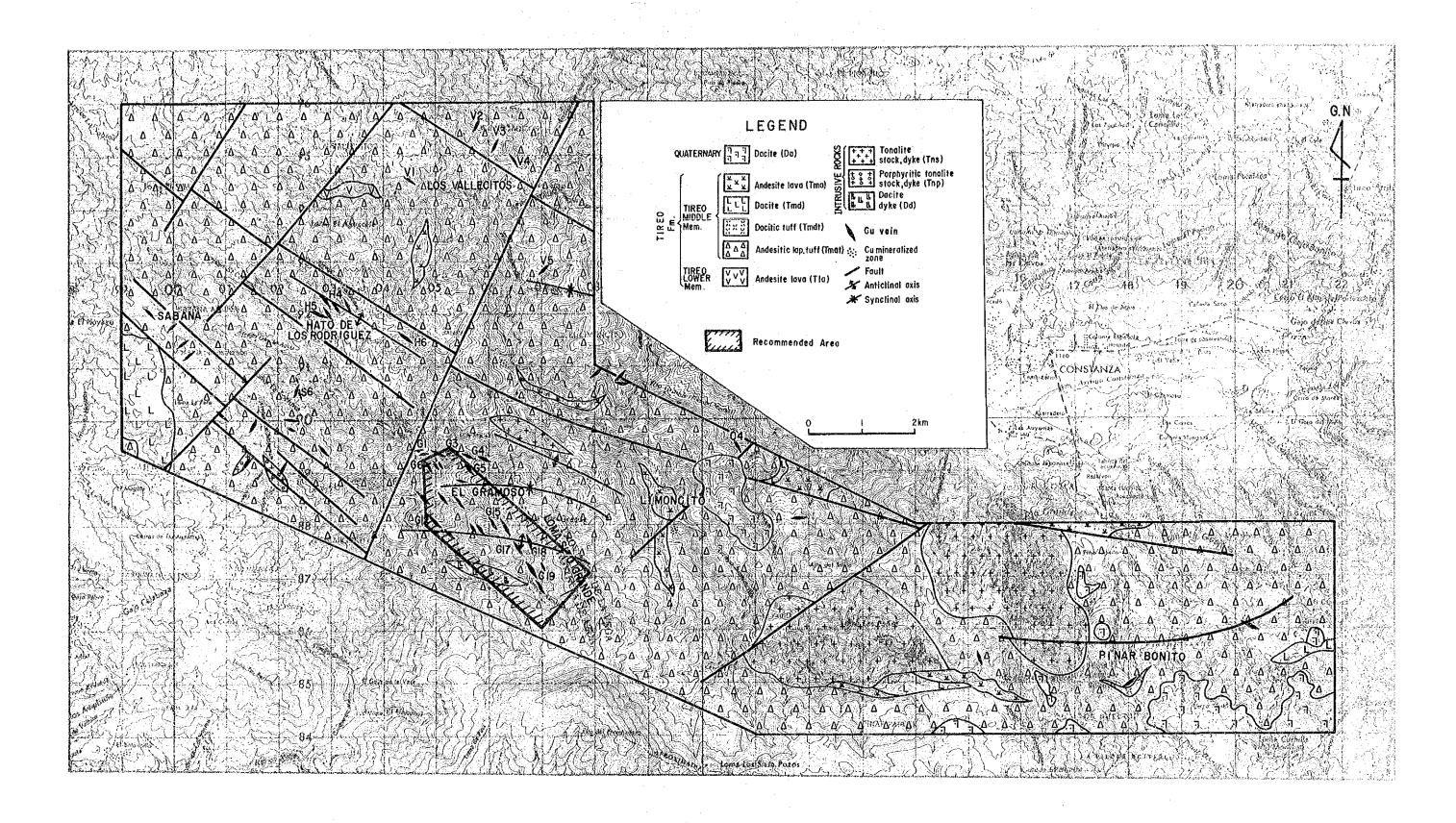


Fig. 35 Recommended Area for Phase II Follow-up Work in the Constanza Sub-Area

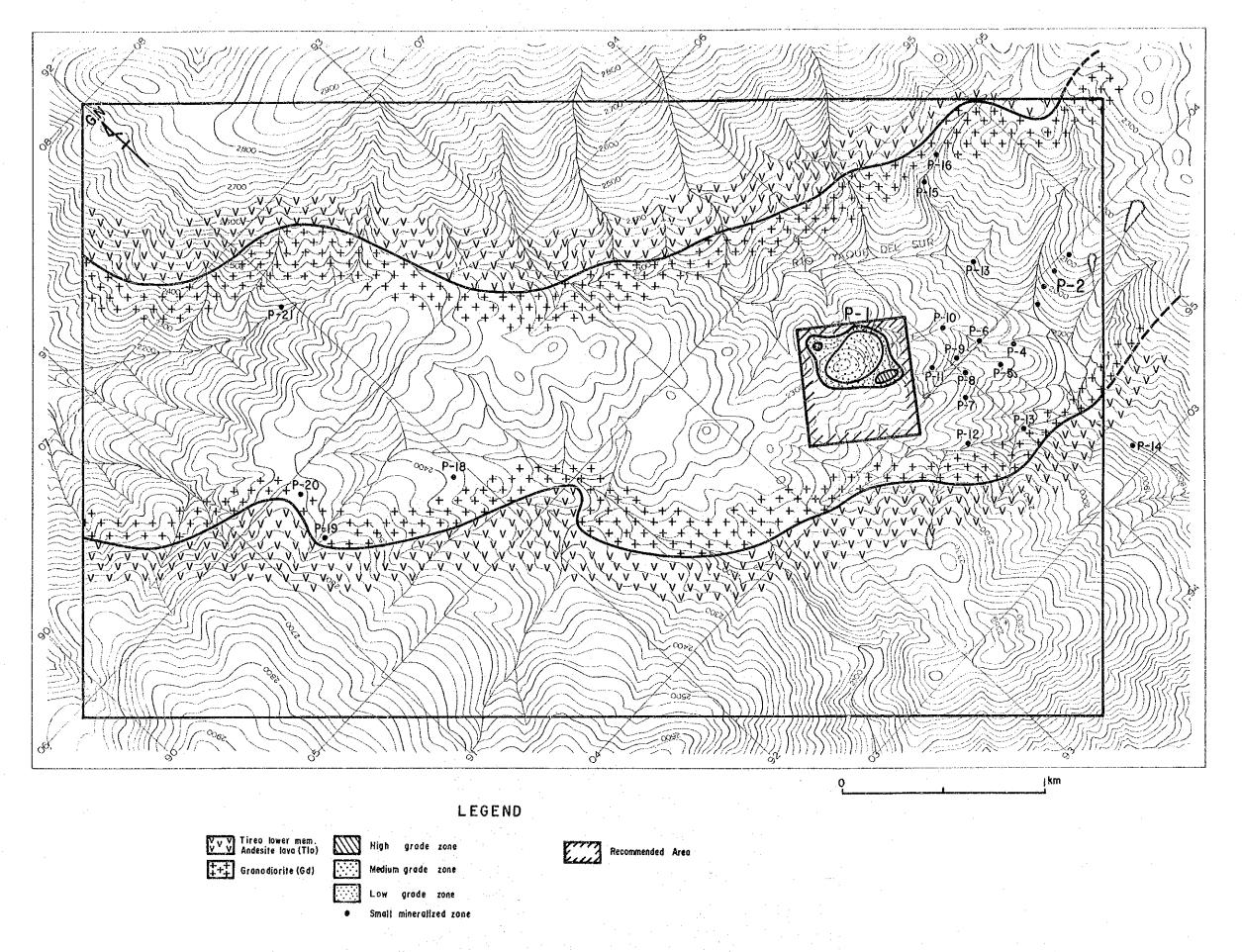


Fig. 36 Recommended Area for Phase II Follow-up Work in the Pico Duarte Sub-Area

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APPENDICES

Photo. 1 Microphotograph of Thin Section

Abbreviation

Q : quartz

pl: plagioclase

kf : potash feldspar

Au : augite

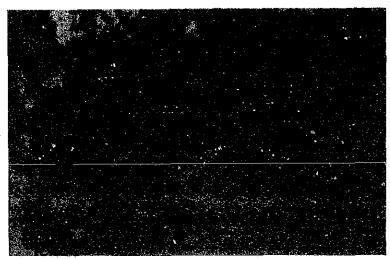
Hb: hornblende

Bi : biotite

chi: chlorite

Im: iron mineral

(1)



Sample No. : SG021

: South of Constanza Location Rock Name : Hb-tonalite (Tns) : Halocrystalline, myrmekite Texture

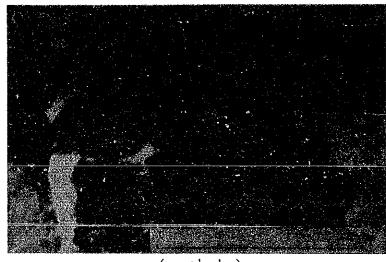
(crossed polars)



(crossed polars)

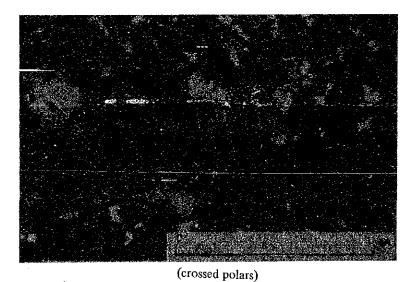
Sample No. : PM094 : Pico Duarte
: Amphibolite (Tla)
: Granoblastic Location Rock Name Texture

(1)



Sample No. : PM024
Location : Pico Duarte
Rock Name : Bi-aplite
Texture : Halocrystalline,
equiglanular

(crossed polars)



Sample No. : PT002
Location : Pico Duarte
Rock Name : Au-andesite
Texture : Halocrystalline,
porphyritic

Photo. 2 Microphotograph of Polished Section

Abbreviation

Cp: chalcopyrite

Bo: bornite

Cc : chalcocite

Cv: covelline

Lm: limonite

(2)

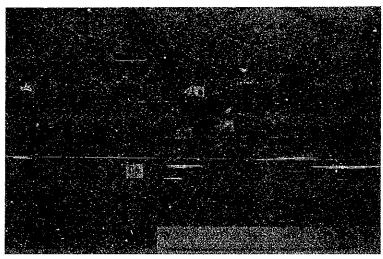


(only lower polar)

Sample No. : SK020

Location : Hato de Los Rodriguez

(H-6) : Cv-Lm-Bo-Cp-Ore Ore Name



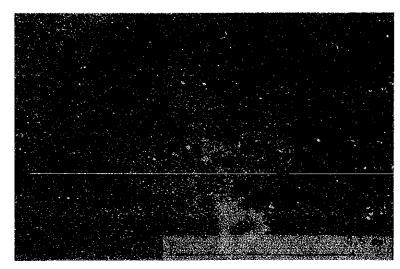
(only lower polar)

Sample No.

: SK073 : El Gramoso (G-5) : Cp-Lm-Ore

Location Ore Name





(only lower polar)

Sample No. : PK009
Location : Pico Duarte (P-1)
Ore Name : Lm-Cc-Cp-Bo-Ore



(only lower polar)

Sample No. : MK002 Location : Mata Gra : Mata Grande (M-2) : Cc-Cp-Bo-Ore Ore Name

Table A-1 Result of Thin Section Examination

Metamorphic rocks	Constituent Mineral	Rock Name Texture Plagioclase Actinolite (Ac) Epidote Chlorite (Chl) Pumpellyite Hornblande Iton Mineral Ton Mineral	1. MT-15 Mata Grande Chl-Ac-green schist (Dubt) Lepidblastic chistose A L C L	16 do. (Dubt) do. A L C L	do.	001 do. Amphibolite (Dib) Granoblastic C L L Amphibolite (Dib)	MD0004 Discontinues de TTS de TTS de
norphic rock			Mata Grand	do.	do.	đo.	Pico Duarte
Metan		Sample No.	MT-15	MT016	MG003	MG001	MP094
		No.	1.	71	m	4	v

	ř	Sericite		·		·
	iner	Calcite		ပ	H	Ç
	LT. W	Chlorite	H	ᆏ	H	H
	onda	alobiqA	ပ			
	Secondary Mineral	Quartz and silica mineral	υ υ	႕	ט	ပ
	Matrix	Hematite	1	- -1	Ü	
	Mat	Volcanic glass	-1	1-1	با	ы
		Augite		H	-1	
		Plagioclase				
		StrauQ				7
	nent	Volcanic glass	۵.	귝.	H	7
	Fragment	Dacite			'n	
	["	Mndesitic tuff		7	ᆈ	, -₹
		ətizəbnA	ı		ပ	ပ
		Texture	Pyloclastic	o	ф.	.
		Rock Name	Andestic fine tuff (Tmat)	Andestic coarse tuff (Tmat)	Andestic lapilli tuff (Tmat)	do. (Tmat)
Pyroclastic rocks		Location	Limoncito	Los Vallecitos	Sabana	El Gramoso
Py		Sample No.	CY021	SS002	SY019	SB013
		No.	9	7	00	Q
,,						

Hematization

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Margine of stock Dyke, altered

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Halocrystalline, porphyritic

(Tns) (Ins) (Tins)

Hb-dacite

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Sericite

Chlorite

Spidote

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Augie (Au) Biotite (Bi)

Hotuplende (Hb)

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Texture

Rock Name

Location

Sample No.

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Igneous rocks

Plagioclase

Quartz (Q)

Halocrystalline, equigranular

Hb-tonalite

Mata Grande

MG009

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MS008 CY010

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Iton Minerale

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Table A-2 Result of Polished Section Examination

No.	Sample No.	Location (Min.alized (Zç. No.)	Ore Name	Pyrite (Py)	Sphalerite (Sph)	Chalcopyrite (Cp)	Bornite (Bo)	Chalcocite (Cc)	Covelline (Cv)	Malachite (Mal)	Specularite (Spc)	Magnetite (Mt)	Limonite (Lm)	Molybdenite (Mo)			
1	SK004	Sabana	(\$-6)	Mal-Lm-Ore							С			A				
2	SK020	Hato de Los Rodoriguez	(H-6)	Cv-Lm-Mal-Bo-Cp-Ore			A	L	L?	L	С			С				
3	SK023	do.	(H-6)	Cc-Mal-Lm-Ore				A	L		L			С				
4	SK034	đo,	(H-1)	Cv-Bo-Cc-Ore				L	С	L								
5	SK039	đo.	(H-4)	Lm-Cc-Cp-Bo-Ore			С	С	L					L				
6	SK043	đo.	(H-4)	Cc-Bo-Cp-Ore			A	L	L									
7	SK073	El Gramoso	(G-6)	Lm-Py-Cc-Mal-Cp-Ore	L		С		L		L			L				
8	SK079	do.	(G-2)	Lm-Mal-Cv-Cp-Ore			С			L	L			r				
9	SK082	đo.	(G-3)	Lm-Spc-Cv-Cc-Mal-Cp-Ore			С		L	L	L	L		L				
10	SK083	đo.	(G-3)	Spc-Cv-Bo-Cp-Ore			С	L		L		L						
11	SK084	đo,	(G-5)	Mal-Lm-Ore							С			A				
12	SK 104	đo.	(G-19)	Sph-Lm-Cv-Mal-Cp-Bo-Ore		L	С	С		L	L			L				
13	SK107	do.	(G-19)	Mal-Lm-Ore							С			С				
14	ST012	do.	(G-18)	Cp-Mal-Lm-Ore			L				С			A	ĺ			
15	SG035	do.	(G-19)	Lm-Mal-Cv-Cp-Ore	?		L			L	L			L				
16	MK002	Mata Grande	(MII)	Mo-Mal-Bo-Cp-Ore			с	С			L				L,			
17	мG006	do.	(M-III)	Mal-Cv-Cc-Bo-Cp-Ore			A	L	L	С	î.							
18	MS011	Rio Bao		Lm-Mal-Cv-Py-Cc-Cp-Ore	L		С		С	L	L			L				
19	PK009	Pico Duarte	(P-1)	Lm-Cc-Cp-Bo-Ore			L	С	r					L				
20	PT001	do.	(P-1)	Lm-Spc-Cc-Cp-Bo-Ore			С	С		Ł		L	L					
21	PM028-2	do	(P-1)	Mo-Lm-Mal-Cc-Bo-Cp-Ore			С	С	L		L			L	L			
22	PM029-1	do,	(P-1)	Lm-Cp-Ore			L,							С				
23	PM039	do,	(P-2)	Co-Lm-Ore					L				L	С				

Abundant: A Common: C Little: L

Can	Name and law Na		Wind of	Γ			Structure and S	cale of Mine	ralized Zone	T		Grade)					G1-
Ser. No.	Name and/or Nu Mineralized Zon	e e	Ore	Type	Location	Host Rock	Strike and Dip	Lateral Extension	Average Width	Au (g/T)	Ag (g/T)	Cu (%)	Рь (%)	Zn (%)	Mo (%)	Description of Samples	Ore Minerals	Sample No.
1	El Gramoso	(G-1)	Cu	Vein	El Gramoso	Andesitic lap, tuff	N50°~70°W	0.5 m	0.5 m	0.90	17.7	4.18	0.15	0.02		Sampling width: 0.50 m B	lo, Mal, Spc	SK 076
		<u>i</u>				(Tmat)	N70°E 55°N	4	0.1 ~ 0.3	0.20	5.9	1.89	0.91	0.02		Sampling width: 0.20 m	Ial, Cp, Cv, Py, Lim	SK079
2	do.	(G-2)	do.	do.	do.	do.	N70°W 50°N	1	0.1	0.20	6.5	2.65	0.12	0.04		Sampling width: 0.10 m	Ial, Cp, Bo, Lim	SK080
3	do.	(G-3)	do,	do,	do,	Andesite (Tma)	N70°E 65°N	1.5	0.3	0.10	2.8	0.99	0.05	0.10		Sampling width: 0.30 m M	Ial, Cp, Lim	SK081
						Andesitic lap. tuff (Tmat)	N80°E	3.5	0.3 ~ 0.4	0.33	16.5	6.15	0.14	0.10		Sampling width: 0.40 m M	fal, Cp, Cc, Cv, Lim	SK082
4	do.	(G-4)	do.	do.	do.	Andesitic tuff	N70°W 70°N		0.5	0.22	9.7	1.90	0.07	0.02		Sampling width: 0.50 m	do.	SY005
5	do.	(G-5)	do.	do.	do.	Andesitic lap. tuff	NW.	1.3	0,5	1.00	43.1	29.83	0.12	0.06		Sampling width: 0.50 m M	fal, Cc, Lim	SK084
ŀ						Shale (Tms)	N10°W 50°N	3.5	1.5	0.10	3.9	1.97	0.07	0.02		Sampling width: 0.10 m M	fal, Cp, Bo, Cc, Lim	SK086
6	do.	(G-6)	do.	đo.	do.	Andesitic lap. tuff	N20°W	20	3	tr.	1.7	0.68	0.08	0.02		Sampling width: 3.00 m M	fal, Cp, Bo, Spc, Lim	SK072
7	do.	(G-9)	do.	do.	do.	do.	N50°W	0.3	0.1	0.33	8.1	7.56	0.27	0.10		Sampling width: 0.10 m m	ıal, Cp, Bo, Cc, Lim	SK057
8	do,	(G-12)	đo.	do.	do.	do.	N50°W 50°N	70	1.5	tr.	2.5	0.97	0.07	0.04		Sampling width: 0.90 m M	fal, Cp, Bo, Cc, Lim	SK060
										0.50	16.3	2.01	0.08	0.04		Sampling width: 0.40 m	do,	SK061
										0.50	9.8	1.38	0.04	0.02		Sampling width: 0.30 m	do.	SK063
A res			,							0.33	24.5	5.43	0.12	0.10		Sampling width: 1.00 m	đo.	SK064
Sub										0.30	24.3	3.97	0.09	0.02		Sampling width: 0.80 m	do.	SK065
22.2										0.40	28.6	4.33	0.16	0.06		Sampling width: 1.20 m	do.	SK066
Constanza										0.40	15.3	4.43	0.09	0.05		Sampling width: 0.70 m	do.	SK067
9 0	do.	(G-17)	do.	do.	do.	do.	N30°W,50°N	3	0.1 ~ 0.3	0.10	2.8	1.73	0.08	0.04		Sampling width: 0.30 m M	lal, Cp, Bo, Cc, Spc, Lim	ST001
ļ							N25°W,60°N	10	2	0.20	25.4	2.63.	0.08	0.02		Sampling width: 1.00 m	đo.	ST008
ļ							N30°W	5	1.5	0.20	4.8	0.44	0.17	0.40		Sampling width: 1.50 m	do.	ST007
10	do.	(G-18)	do.	do.	do.	do.	N50°W,30°N	3	2	tr.	2,1	0.17	0.07	0.02		Sampling width: 0.50 m M	Ial, Cp, Lim	ST010
							N30°W,60°N	2	1.5	tr.	2.5	2.39	0.07	0.02		Sampling width: 0.50 m	do.	ST011
							N30°W,60°N	5	0.5	0.20	14.9	2.83	0.02	0.04		Sampling width: 0.70 m	do.	ST012
11	do.	(G-19)	do.	do.	do.	do.		3	1	1.50	123.4	11.72	0.12	0.02		Sampling width: 1.00 m M	lal, Cp, Cc, Lim	SK 104
				İ			N25°W,40°N	8	1~1.5	0.30	82.6	7.04	0.12	0.02		Sampling width: 0.70 m	đo,	SK 106
12	Hato de Los I	Rodriguez (H1)	do.	do.	Hato de Los Rodriguez	do.	N25°W,35°N	32 、	0.7	0.20	11.8	2.10	0.14	0.04		Sampling width: 0.70 m M	fal, Cp, Bo, Cc, Lim	SK034
13	<u></u>	(H-4)	do.	đo.	do.	do,	N30°W,40°N	2.5	0.25	0.20	13.0	2.61	0.02	0.04		Sampling width: 0.25 m M	Ial, Cp, Bo, Cc, Lim	SK039
14	do.	(H-5)	do.	do,	do.	do.	N20°W	12	1.10	tr.	1.3	1.53	0.03	0.10		Sampling width: 1.10 m M	fal, Cp, Bo, Cc, Lim	SK046
] *				·				2.70	0.10	1.4	1.23	0.15	0.15		Sampling width: 2.70 m	do.	SK047
15	do.	(H-6)	đo.	do.	do.	do.	N45°W	3	0.5	1.10	11.7	2.64	0.09	0.05		Sampling width: 0.50 m M	ial, Bo, Cc, Lim	SK027
16	Limoncito	(C-4)	do.	do.	Limonelto	do,	N20°W	100	3	tr.	7.1	1.85	0.02	1.10		Sampling width: 2.00 m M	Ial, Cp, Py, Lim	CT002
17	Los Vallecito	s (V-2)	đo.	do.	Los Vallecitos	do.	N5°E,65°N	5	1.5	0.33	21.0	4.77	0.16	0.10		Sampling width: 0.04 m M	Ial, Cp, Bo, Cc, Lim	SY023-1
18	do.	(V-4)	do.	do.	đo.	do.	N25°W,60°S	15	0.5	1.50	193.7	18.31	0.16	0.20		Sampling width: 0.25 m M	ial, Cp, Bo, Cc, Py, Spc, Lim	SY024-3
19	Cana de Gallo	o(S-6)	do.	do.	North of Sabana	do.		1.2	0.8	tr.	tr.	9.36	0.22	0.04		Sampling width: 0.40 m	fal, Spc, Lim	SK04

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Se	r.l	Name and/or Number of Mineralized Zone	Kind of				Structure and S	tructure and Scale of Mineralize				Grade	·					Cample
N),	Mineralized Zone	Ote	Type	Location	Host Rock	Strike and Dip	Lateral Extension	Average Width	Au (g/T)	Ag (g/T)	Cu (%)	Рь (%)	Zn (%)	Mo (%)	Description of Samples	Ore Minerals	Sample No.
20	Pico Duarte Sub-Area	Pico Duarte (P-1)	Cu	Porphy Copper		Granodiorite (Gd)		150 m	30 m	0.67	11.6	1.52			tr.	Ore	Cp, Bo, Cc, Mal, Lim	PK009
	O 4					.*	·			0.50	11.2	0.97			tr.	do.	đo.	PM055
L	Pic									0.40	7.1	0.61		<u> </u>	tr.	do.	do.	PM056
. 21	ge	Mata Grande (M-III)	do.	Vein	Mata Grande	Green schist (Dubt)	N40°W	0.5	0.5	0.30	8.9	1.37				Sampling width: 0.50 m	Mal, Cp, Bo, Cc, Az, Lim	MK015
	Area						N10°W,80°S	6	1.50	0.50	4.7	4.47				Sampling width: 1.50 m	do.	MK016
	Mata Grande Sub-Area						N50°W,90°	1.5	0.4	0.25	0.8	0.88				Sampling width: 0.40 m	do.	MK017
	P.						N50°W,90°	0.5	0.5	0.20	2.5	1.71				Sampling width: 0.50 m	do.	MK018

Abbreviation

Py: Pyrite

Spc: Specularite

Cp: Chalcopyrite

Lm: Limonite

Bo: Bornite

Q : Quartz

Cc: Chalcocite

Ep : Epidote

Cv: Covelline

v ; Vein

Mal: Malachite

Table A-4 Result of X-ray Diffractive Analysis

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				1	 -		·	,—	T.	т	,	·r	,	,	T		(1)
No.	Sample No.	Location	Plagioclase	Hornblende	Quartz	K-Feldspar	Sericite	Chlorite	Montmorillonite	Epidote	Calcite	Prehnite	Laumontite	Knolinite	Hematite	Diopside	Remarks
1	Cy015	Limoneito	c		A	-	t	L	 	c		╁				<u> </u>	Silicified dacite (Dd)
2	Cy017	do,	Ä		A			L		Ť		1			ŀ		Silicified tonalite
3	Cy018	do.	"		c			A	İ	L	ŀ			l			Chloritezed andesitic lap. tuff (Tmat)
4	Cy019	do.	c		A			c	l	L		ı	١.	}			Silicified andesitic tuff (Tmat)
5	Cy020	do.			A			c							L		Hematitized andesitic tuff (Tmat)
6	Cy021	do.	1		Α			L						L?	L		do.
7	Sy021	Los Vallecitos			L			L	L	l		c		Ī	L		do.
8	Sy026	do.			A			Α		L	f	1	İ	1			Chloritezed andesitic tuff (Tmat)
9	SK007	Sabana, North of S-6										A					White clay vein
10	SKOII	do., South of S-6			L						Α						do.
11	SK013	Sabana (S-6)	L		c		'	L				c		}	į		Altered andesitic lap. tuff (Tmat)
12	SK015	Sabana (S-9)	c	С				,	ł	С			l				Epidotized andesitic lap, tuff (Tmat)
13	SK018	Hato de Los Rodriguez	1	L	A					A		1					Silicified, epidotized andesite (Tma)
14	SK019	do,		_	A			L		A	С			1			Altered andesite (4a)
15	SK024	do. (H-6)	1		С		l	A			A			l			Altered andesitio line tuff (Tmat)
16	SK025	do.			A			A	lι	İ	A		ŀ				do.
17	SK026	do.			A			С	ī		L		ŀ				do.
18	SK031	Sabana North of S-4	c		A			1	ī				ŀ				Argillized Q-Pl porphyry
19	SK032	Sabana (S-2)	A	·A					-				ļ				Altered andesitic lap. tuff (Tmat)
20	SK033	do.	"					А									Chloritized rock
21	SK036	Hato de Los Rodriguez (H~1)			A			ļ		A					L		Silleified, epidotized andesitic lap, tuff (Tmat)
22	SK038	do.			С			L		L					L	L	Altered andesitic lap. tuff (Tmat)
23	SKQ41	do, (H-4)	c	L	L			L		Ι,					-	-	Attered siliceous rock
24	SK051	Ar. El Corbano	A		L								A				Altered tuff (Tmat)
25	SK052	do.	A		С												White silicified rock
26	SK056	El Gramoso (G6)			A			С		A	İ			1			Altered andesitic lap. tuff (Tmat)
27	SK092	Rio En Medio			A			A			L						Altered andesite (Tma)
28	SK093	do	L		A		L	A			l.						Altered andesitic lap. tuff (Tmat)
29	SK105	El Gramoso (G-19)			A			A			ŀ		1				do.
30	MK003	Mata Grande (M-II)	1.		A			λ		L	}	\					Altered green schist (Dubt)
31	MK007	Mata Grande (M—III)	l L	L	A			L		L							Altered tonalite (Tnb)
32	MK009	do.			A			A		լ	İ						Altered green schist (Dubt)
33	MK023	Rio Janamu			A					A	ł						Altered tonslite (Tnb)
34	MK037	đo.			С				L	A							Pale green clay
35	MK038	đo.	A	С	A			L									Altered tonalite (Tnb)
36	MK039	Mata Grande (M~I)		A	- 1			c					ĺ				Altered green schist (Dubt)
37	MK040	do.		٨				c				Ì					do.
38	PK001	Pico Duarte (P-1)	L		L	-	A			Α							A zone
39	PK010	do. (do.)	c	L	A	L		A									
40	PKOH	do, (do.)	A		A	A	L	С									A zone
41	PK013	do. (do.)	A		A	ւ		A									B zone
42	PM001	do.	c	- 1	A	L		Ĺ									do.
43	PM006	do.	c	С	A	ļ		С									
44	PM013	do.	A	L	A	С		L	ŀ						j		i
45	PM014	do.	A	- {	Α	С		,r							-		B zone
46	PM016	do.	c	ļ	Α	С		A	Į								do.
47	PM019	do.	c		A			С		L							do.
48	PM020	do.	A	1	A		L	C									A' zone
49	PM021	do.	A	Ļ	A	c	╷	L									B zone
50	PM027	do,	^		Α		L	L									A zone
51	PM028	do,	A	Ī	A			· C									B zone
52	PM029	do.	^	- {	Α	ŀ	С	С									A zone
53	PM030	do.	L	A			- [Contact metamorphised
54	PM034	do.	Λ	C	Α	c		c									. }
_ 55	PM036	do.	A		A	_1	L	L				L	نـــا	Ш		Щ	A zone

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No,	Sample	Location	lase	ende		par		ا ا	Montmoriilonite				ntite	يو	e e	ų	Remarks
110,	No.		Plagioclase	Homblende	Quartz	K-Feldspar	Sericite	Chlorite	Montm	Epidote	Calcite	Prehnite	Laumontite	Kaolinite	Hematite	Diopside	
56	PM037	Pico Duarte (P-1)	С	L	A			c			i						A' zone
57	PM038	do,	c		A	L	L	A					i	ŀ			A zone
58	PM039	do.	A	Į	A	L	L	L									do.
59	PM040	do.	A	Ì	A	С	l	ļ									do.
60	PM041	do.	C	ŀ	A	С		r									B zone
61	PM043	do.	A		A	L	Ŀ	L									A zone
62	PM047	đo,	A	C	A.	c	L	С			ĺ						А' zоле
63	PM049	do.	٨		A	L		L		L	l			ļ			B zone
64	PM050	do,	C	ĺ	A	ւ		L	ĺ			ĺ	ĺ	ĺ	ĺ	ĺ	do.
65	PM051	do.	C	L	A	С		Ç									
66	PM052	do.	C-	L	A	С		С							1		
67	PM054	do.	c	L	A	L		L	l								
68	PMOSS	do.	A		A		L,	L				·					A zone
69	PM056	do.	A		A		l.	C	į					ĺ			do.
70	PM057	do.	A		A		L	석		L							do.
71	PM058	do.	A		A		L	A							ĺ		do.
72	PM061	đo,	C	L	A	L		С									
73	PM062	do.	C	L	A	Ł		C	- '	Ì							
74	PM064	do.	٨		A	L		L									B zene
75	PM066	do.	C	r	A	L		С						İ			
76	PM067	do.	Α		Λ	ŗ		L									B zone
77	PM072	dυ.	A	c	A	С	L	С									Α' 20πε
78	PM076	do.	A	С	Λ.	L		Α									
79	PM078	do.	C	L	A	L		A									_
80	PM081	do.	C		A			I.									B zone
81	PM082	do.	C		٨	L		A									do.
82	PM083	do.	L	L	A	L		С				ĺ					
83	PM084	do.	c	L	A	Ł		C									B zone .
84	PM085	do.	c		٨	С		l.									
85	PM090	do.	A		A	L		L									Contact metamorphised
86	PM091	do.	C	C	Λ,	İ		L									
87	PM094 PM096	do.	լ	c	L			L									
88 89	PM098	do. do.	C	L	A			C	l								
90	PM099		c c	L	A	L		C		С							B zone
91	PM 101	dv. do.	c	L	A C	L		L	l	٦							D LONG
92	PM 108	do.	c	L	A			L									
93	PM 109	do.	c	C	c			L									
93	PMIII	do.	c	c.	A			С		l							
95	PM113	do.	c	L	A	L		С	L								
96	PM117	do.	c	-	A	L	١,	A	[",					١,			B zone
97	PM118	do.	c	L	C	-		L									# ## ## ## ## ## ## ## ## ## ## ## ## #
98	PM120	do.	c	L	A			C									
99	PM123	do.	L		1 1			c									Bzone
100	PM123	do.		L	A			l i									
101	PM128	do. do.	A C	L	A A	L		A A								İ	-

Table A-5 Result of Chemical Analysis of Ore Samples

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No.	Sample No.	Location (Mineralized Zon	e No.)	Description	Au (g/T)	Ag (g/T)	Cu (%)	Рь (%)	Zn (%)	Mo (%)
1	SG038	Ar, La Sabina		Mal, Lim, Qv	tr.	0.4	0.25	0.08	0.10	
2	Sy023-1	Los Vallecitos	(V-2)	Mal, Cp, Bo, Cc, Lim, Qv	0.33	21.0	4.77	0.16	0.10	
3	Sy024-3	do.	(V-4)	Mal, Cp, Bo, Cc, Py, Spc, Lim, Qv	1.50	193.7	18.31	0.16	0.20	
4	SK022	Hato de Los Rod	riguez (H-6)	Mal, Cp, Bo, Cc, Lim, Qv	0.67	21.3	8.02	80.0	0.10	
5	SK023	do.	(do.)	do.	1.50	247.3	30.26	0.44	0.04	
6	SK034	qo.	(H-1)	Mal, Cp, Bo, Cc, Lim, Qv	0.20	11.8	2.10	0.14	0.04	
7	SK039	do.	(H-4)	Mal, Cp, Bo, Cc, Lim, Qv	0.20	13.0	2.61	0.02	0.04	
8	SK040	do،	(do.)	do.	0.20	5.7	1.14	0.14	0.04	
9	SK043	đo.	(do.)	do.	tr.	1.1	3.35	0.09	0.02	
10	SK044	do.	(H-5)	Mal, Cp, Bo, Cc, Lim, Qv	tr.	tr.	0.54	0.08	0.10	
11	SK046	do.	(do.)	· do.	tr.	1.3	1.53	0.03	0.10	tr.
12	SK049	do.	(do.)	do.	tr.	tr.	4.93	0.22	0.10	
13	SK04	Sabana	(S-6)	Mal, Spc, Lim	tr.	tr.	9.36	0.22	0.04	
14	Sy001-3	do,	(S-13)	Mal, Lim, Qv	0.50	8.9	.7.65	0.20	0.04	
15	Sy002	Ar, El Corbano		Mal,	0.20	0.9	1.87	0.09	0.04	
16	SK054	El Gramoso	(G-6)	Mal, Cp, Bo, Cc, Lim, Qv	0.30	7.0	1.27	0.16	0.04	
17	SK057	đo,	(G-9)	Mal, Cp, Bo, Cc, Lim, Qv	0.33	8.1	7.56	0.27	0.10	
18	SK060	do.	(G-12)	Mal, Cp, Bo, Cc, Lim, Qv	tr.	2.5	0.97	0.07	0.04	
19	SK061	do.	(do.)	do.	0.50	16.3	2.01	0.08	0.04	
20	SK063	do.	(do.)	đo.	0.50	9.8	1.38	0.04	0.02	
21	SK064	do.	(do.)	do.	0.33	24.5	5.43	0.12	0.10	tr.
22	SK065	do.	(do.)	do,	0.30	24.3	3.97	0.09	0.02	
23	SK066	do.	(do.)	do.	0.40	28.6	4.33	0.16	0.06	
24	SK072	do.	(G~6)	Mal, Cp, Bo, Spc, Lim, Qv	tr.	1.7	0.68	0.08	0.02	
25	SK073.	do.	(do.)	Mal, Cp, Bo, Co, Lim, Qv	0.30	11.2	2.58	0.17	0.06	
26	SK076	do.	(G-1)	Bo, Mal, Spc, Q, Epv	0.90	17.7	4.18	0.15	0.02	
27	SK079	do.	(G-2)	Mal, Cp, Cv, Py, Lim, Qv	0.20	5.9	1.89	0.91	0.02	
28	SK080	do.	(do.)	Mal, Cp, Bo, Lim, Qv	0.20	6.5	2.65	0.12	0.04	
29	SK081	do.	(G-3)	Mal, Cp, Lim, Qv	0.10	2.8	0.99	0.05	0.10	
30	SK082	do.	(do.)	Mal, Cp, Cc, Cv, Lim, Qv	0.33	16.5	6.15	0.14	0.10	tr.
31	SK084	đo.	(G-5)	Mal, Ce, Lim, Qv, Qv	1.00	43.1	29.83	0.12	0.06	
32	SK086	do.	(G-5)	Mal, Cp, Bo, Cc, Lim, Qv	0.10	3.9	1.97	0.07	0.02	.
33	SK 104	do.	(G-19)	Mal, Cp, Cc, Lim, Q, Epv	1.50	123.4	11.72	0.12	0.02	
34	SK 106	do.	(do.)	do.	0.30	82.6	7.04	0.12	0.02	
35	ST001	do.	(G~17)	Mal, Cp, Bo, Co, Spc, Lim, Q, Epv	0.10	2.8	1.73	0.08	0.04	
36	ST007	do.	(do.)	do.	0.20	4.8	0.44	0.17	0.40	
37	ST008	do.	(do.)	do.	0.20	25.4	2.63	0.08	0.02	
38	ST010	do.	(G-18)	Mal, Cp, Lim, Q, Epv	tr.	2.1	0.17	0.07	0.02	

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Γ.	Sample	Location		Doggrindian	Au	Ag	Cu	Pb	Zn	Mo
No.	No.	(Mineralized Zo	ne No.)	Description	(T\g)	Ag (g/T)	(%)	(%)	(%)	(%)
	ST011	El Gramoso	(G-18)	Mai, Cp, Lim, Q, Epv	tr.	2.5	2.39	0.07	0.02	
ı	ST012	do.	(do.)	do.	0.20	14.9	2.83	0.02	0.04	
41	SG033	do.	(G-19)	Mal, Cp, Cc, Qv	0.20	7.4	0.97	0.19	0.04	
42	SG034	do,	(do.)	do.	0.33	25.5	4.82	0.05	0.02	
43	Sy003-1	do.	(G-6)	Mal, Cp, Bo, Co, Qv	0.30	18.6	2.95	0.08	0.02	
44	Sy003-2	do.	(do.)	do.	tr.	3.5	0.64	0.07	0.10	
45	Sy003-3	do,	(qo')	do.	0.20	10.1	1.18	0.07	0.10	
46	Sy004	do.	(G-2)	do	tr.	7.1	1.85	0.02	0.02	
47	Sy005	do.	(G-4)	Mal, Cp, Cc, Cv, Lim, Qv	0.20	9.7	1.90	0.07	0.02	
48	CT002	Rio Grande	(C4)	Mał, Cp, Py, Lim, Qv	tr.	1.1	0.93	0.18	1.10	
49	SK028	Hato de Los Ro	driguez (H-6)	Mal, Bo, Cc, Lim, Qv	1.10	11.7	2.64	0.09	0.05	
50	SK047	do	(H-5)	Mal, Cp, Bo, Cc, Lim, Qv	0.10	1.4	1.23	0.15	0.15	
51	SK067	El Gramoso	(G-12)	Mal, Cp, Bo, Cc, Lim, Qv	0.40	15.3	4.43	0.09	0.05	
52	SK085	đo.	(G-5)	do.	0.20	5.0	1.97	0.08	0.02	
53	PM020	Pico Duarte	(P-4)	Mal, Cp, Bo, Cc, Lim, diss.	tr.	tr.	0.23			tr.
54	PM028-1	do	(P-1)	do.	tr.	tr.	0.23			tr.
	PM029-1		(đo.)	do.	tr.	tr.	1.29			tr.
56	PM038	do.	(P-2)	do.	tr.	tr.	0.04			tr,
ı	PM055	do,	(P-1)	do.	0.50	11.2	0.97	:		tr.
Į.	PM056	do.	(do.)	do.	0.40	7.1	0.61			tr.
1 :	PM082	do.	(do.)	đo,	tr.	tr.	0.17			tr.
60	PM091	do.	(P-20)	do.	tr.	tr.	0.19			tr.
61	PK002	do.	(P-1)	do.	tr.	tr.	0.16			tr.
62	PK003	do.	(do.)	do.	tr.	tr.	0.30			tr.
63	PK005	do.	(do.)	do.	tr.	2.1	0.17			tr.
64	PK006	đo,	(do.)	do.	tr.	tr.	0.22			tr.
	PK007	do.	(do.)	do.	tr.	tr.	0.14			tr.
	PK.008	do.	(do.)	do.	tr.	tr.	0.22			tr.
	PK009	do.	(đo.)	do.	0.20	5.3	0.76			tr.
	MK001	Mata Grande	(M–II)	Mal, Cp, Bo, Cc, Lim, Qv	tr.	tr.	1.71			0.01
1 1	MK002	do.	(đo.)	do.	1.00	14.0	6.71		}	0.08
1	MK006	do.	(M-III)	do.	0.50	12.8	7.22			0.07
1	MK008	đo.	(do.)	Cp, Bo, Cc, Mal, lens	0.20	8.0	8.39			0.02
1	MK011	đo.	(do.)	Mal, Cp, Bo, Cc, Az, Lim, Qv	0.10	3.9	1.67			tr.
1 1	MK015	do.	(M-III)	do.	0.30	8.9	1.37			tr.
	MK016	do.	(do.)	đo.	0.50	4.7	4.47			0.03
1	MK017	do.	(do.)	đo.	0.25	0.8	0.88			tr.
	MK018	do.	(do.)	do.	0.20	2.5	1.71			0.01
i 1	MS004		th of M-III	do.	0.10	1.2	1.20			0.02
1 1	MG006	do.	(M–III)	do.	1.00	12.6	13.86			0.07
10	110000	uo.	(111-111)	wv,	1	1 . 2.0		L	<u> </u>	

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No.	Sample No.	Locativ (Mineralized 2		Description	Au (g/T)	Ag (g/T)	Cu (%)	Pb (%)	Zn (%)	Mo (%)
79	MT010	Mata Grande	Branch of Rio Jamamu	·	tr.	tr.	0.56			0.01
80	MK0.05	do.	(M-II)	Qv	tr.	tr.				
81	MK013	do.	(M-III)	Qv	tr.	tr.				
82	MK034	do.	Rio Jamamu	Qv .	tr.	tr.				
83	MT006	do.	Branch of Rio Jamamu	Qv	tr.	tr.				
84	MT011	do.	do.	Qv	tr,	tr.				
85	MS012	do.	Rio Bao	Qv	tr.	tr.	0.06	0.32	0.01	
86	MS011	do.	do.	Qv	tr.	tr.				

Abbreviation

 Py
 : Pyrite
 Spc: Specularite

 Cp
 : Chalcopyrite
 Lm: Limonite

 Bo
 : Bornite
 Q: Quartz

 Cc
 : Chalcocite
 Ep: Epidote

 Cv
 : Covelline
 v: Vein

Mal : Malachite

Table A-6 Result of Chemical Analysis of Soil Samples

)PCS		A CONTENT				-	MO-11-1-		39	*		CONTENTS	 -				Ha.
. Samel		96#) pro	Cu Pos	Ph Pha Pha	(A 9 94	jit) ppa		MQ.	Samele No.	Geol. Unit	\$08 A4	bca Yd	Ou post	Pb 95m	ča Pos	Mo pea
1 0001 2 0003 3 0003 4 000 5 000 4 000 7 000 8 000 9 000 10 001	10 17 17 17 17 17 17 17 17 17 17 17 17 17	90.0 99.0 29.0 00.0 00.0 00.0 00.0 00.0	0.50 0.01 0.01 0.10 0.10 0.01 0.50 0.30 0.30	79 86 47 77 84 155 122 92 127 74	2.0 3.0 1.0 3.0 5.0 5.0 5.0	61 77 75 67 68 88 88 88	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01		101 102 103 104 105 106 107 108 109	C181 C182 C183 C184 C185 C186 C187 C188 C189 C189	म म र म स स	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01 0.01 0.01 0.01 0.20 0.10 0.10 0.01	65 72 99 64 69 72 14 91	1.0 11.0 1.0 7.0 3.0 3.0 3.0	55 50 50 50 50 50 50 50 50 50 50 50 50 5	0,01 0,01 0,01 0,01 0,01 0,01 0,01 0,01
11	11 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	9.01 9.60 9.50 9.01 9.01 9.50 9.40 9.20	108 76 102 106 52 153 120 88	1.0 5.0 5.0 5.0 5.0 5.0 5.0	82 64 72 55 64 77 75 72 72	9.01 9.01 9.01 9.01 9.01 9.01 9.01 9.01	• .	111 112 113 114 115 116 117 118 119	C113 C114 C115 C115 C116 C117 C117	10 11 11 11 11 11 11	0.00 9.00 9.00 9.00 0.00 0.00 0.00 0.00	0.50 0.01 0.01 0.01 0.01 0.30 \$.01 0.01	122 213 159 82 119 606 283 50	1.0 0.1 2.0 3.0 5.0 3.0 2.0 2.0	77 79 50 50 50 50 50 50 50 50 50 50 50 50 50	0.01 0,20 0,01 0.01 0.01 9.01 0.01 0.01
21 022 22 002 23 002 25 002 25 002 26 002 27 002 28 002 29 002	10 10 10 10 10 10 10 10 10 10 10 10 10 1	0.00 0.00 0.63 0.00 0.00 0.00 0.00 0.00	0.39 0.30 0.40 0.40 0.60 9.20 8.01 6.01 6.29	137 137 137 137 137 13 13 13	9.0 4.0 5.0 5.0 2.0 6.8 1.0	15 62 79 69 74 17 5 37	10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	3	121 122 123 124 125 127 128 129 130	6121 6122 6123 6124 6125 6126 6127 6128 6129 6130	रा राज्य स्था स्था	9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.00	0.59 0.40 0.15 9.01 0.30 0.01 0.40 0.30 0.01	926 186 181 12 23 152 77 83 71	13.G 5.0 3.6 6.0 6.0 8.0 5.0 4.0 3.0	97 85 72 107 134 113 5 81	0.01 9.01 9.01 9.01 9.70 9.20 9.10 9.10 9.01
	1 17 2 11 3 17 4 17 5 17 6 17 7 17 8 17	00.6 00.0 00.0 00.0 00.0 00.0 00.0 00.0	6.30 0.40 6.20 5.91 0.01 6.30 6.30 6.01	87 54 99 67 88 63 61 128	3.0 3.0 3.0 5.8 6.0 2.0 4.6 3.0	76 19 64 82 76 81 84 85 79	0.01 0.01 0.01 8.01 9.01 9.01 0.01 0.01	: 1	151 132 133 134 135 136 137 138 139	CIN CIN CIN CIN CIN CIN CIN CIN CIN CIN	रा रा रा रा रा	00,00 00,00 0,00 0,00 0,00 0,00 0,00 0	9,10 9,50 9,69 9,01 9,69 9,01 9,60 0,01 0,50 0,30	85 23 81 112 109 94 131 90 135	0.1 0.1 5.0 0.1 3.0 6.0 5.6 1.6	83 35 77 57 57 57 57 57 57 57	0,01 0,01 0,01 0,01 0,01 0,01 0,01 0,01
22 024 24 024 25 024 26 024 27 024 28	1 T 2 TF 2 TF 2 TF 2 TF 2 TF 2 TF 2 TF 2	8.00 8.00 9.00 9.00 9.00 9.00 8.00 9.04	9.50 9.91 9.91 9.91 9.10 9.60 9.29 9.01	89 201 192 123 194 24 54 131 95	5.0 3.0 6.0 6.0 5.0 6.0 3.0	562 88 82 72 72 77 79 74 81	8.61 0.01 0.01 0.01 0.01 0.01 0.01 0.01		161 162 163 164 165 166 167 169 169	C141 C142 C143 C145 C145 C146 C147 C148 C148	11 11 11 11 11 11	6.03 6.00 6.00 6.00 6.00 6.00 6.00 6.00	6.30 0.20 0.40 0.30 0.40 6.01 0.20 0.10	61 144 56 58 52 68 106 74 74	0.1 3.9 5.0 5.0 2.0 4.0 4.6 5.0	61 77 65 92 53 68 77 66 98 28	0.10 0.01 0.01 0.01 0.01 0.01 0.10 0.01
97CS	mn X	A CONTRA	5 DI 62001	OHECAL SA	PLD ***			•	27		*** *ET4	. 20x1 2015	IN GEOCH	encu. Su	RE		
r. Sumo 9. N		904 M	A4 9598	Cu 698	Pb ppe	Zn ppn	7() 906		Ser Fo.	Samele Xo.	Geot. Unit	Au pose	Jep S/PB	Cu som	Pb 9500	Zn 990	. Pop
21 022 022 022 022 022 022 022 022 022 0	T 15 15 15 15 15 15 15 15 15 15 15 15 15	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01 0.20 0.01 0.50 0.60 9.01 9.01 0.20 6.20	73 53 66 90 78 110 74 16 25	6.0 3.0 0.1 6.0 3.0 6.0 23.0	60 57 63 63 51 71 39 78 73	0.61 0.01 0.01 0.01 0.01 0.01 0.01 0.01	:	151 152 153 154 156 157 158 159	0151 0152 0153 0155 0155 0156 0157 0158 0159 0159	रा ग ग ग ग ग	0.00 9.04 9.00 0.09 9.03 9.00 9.00 9.00 9.00	9,29 9,39 9,39 9,91 9,60 9,01 9,01 9,61	65 145 81 345 57 106 57 62 129	4.0 2.0 4.0 4.0 5.0 1.0 3.0 0.1 0.1	65 51 67 53 78 65 67 64 54	0,20 0.91 0.01 0.01 0.01 0.01 0.01 0.01 0.0
61 CT66 62 CT66 53 CT66 54 CT66 55 CT66 56 CT66 56 CT66 57 CT67	10 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	8,60 8,00 8,00 8,90 8,90 8,00 8,00 0,00 9,50	9.28 6.13 6.43 6.10 6.01 6.23 6.01 6.46 6.46	95 153 63 7 120 21 250 101 1256	4.0 3.0 4.0 3.0 2.0 3.0 9.0 1.0	72 78 80 87 53 54 57 73 87	6.01 9.01 9.01 9.21 9.61 9.01 9.01		161 162 163 164 165 166 167 168 169 170	0161 0162 0164 0165 0166 0167 0167 0168	र स्य स्य स्य स्य	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.40 0.25 0.01 0.10 0.01 0.51 0.39 0.59	104 322 80 305 84 93 86 106 100	1.0 3.0 6.0 6.0 9.1 2.0 6.0 9.1	37 41 65 79 80 43 88 88 88 88	9.01 9.01 9.01 9.01 9.01 9.03 9.16 9.61 9.50 9.01
71	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	6.01 9.05 6.36 0.40 0.91 0.61 6.46 6.30 0.50	49 112 84 97 168 742 480 71 110	6.0 2.0 6.0 1.0 6.0 3.0 4.0 3.0	67 162 89 78 78 70 100 55 84	9.01 9.01 0.01 0.01 0.01 0.01 6.01 0.01		171 172 173 174 175 176 177 178 179 189	617 6173 6173 6175 6176 6177 6178 6179 6189	ग ग ग ग ग ग ग	6.00 6.00 6.00 6.00 0.00 0.00 0.00 0.00	6.01 0.40 0.40 0.41 0.40 0.41 0.46 0.20 0.20	208 152 102 36 63 52 66 111 507	5.0 7.0 2.0 7.0 3.0 11.0 0.1 2.0 6.0	69 115 80 142 33 67 74 31 62 73	0.91 0.01 0.01 0.10 0.61 0.98 0.50 0.01 0.01
	1	0.03 00.06 00.09 00.00 00.00 00.00 00.00 00.00	5.51 5.23 6.46 6.39 9.61 6.01 8.58 8.29 0.48	108 56 71 128 129 123 77 115 59	0.1 5.1 1.9 3.0 9.1 4.9 9.1 1.9	66 66 55 27 155 67 142	8.81 8.81 9.01 9.01 6.01 8.01 9.01 9.01		181 182 183 184 185 186 187 189 189	C181 C183 C184 C185 C186 C186 C187 C188 C189 C189		0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.01 9.48 0.50 0.50 0.50 0.50 0.50 0.50	101 99 130 62 101 88 426 89	6.0 0.1 3.0 2.0 4.0 4.0 2.0 1.0 0.1	80 77 77 81 81 80 80 90	0.97 0.03 0.01 0.01 6.01 0.01 0.01 0.01
91 C99 95	1 17 2 17 3 17 5 17 6 17 7 17 6 17	8,09 0,00 8,00 9,00 0,60 0,01 0,02 0,00 0,00	0.10 9.01 0.58 0.30 0.49 0.91 0.20 0.20	99 177 183 136 161 51 106 27 61 188	1.0 1.0 6.0 8.0 4.0 2.0 25.0 7.0	77 77 85 85 78 97 73 53	0.01 0.01 0.01 0.01 0.01 0.01 0.01		191 192 193 194 195 196 197 198	C191 C192 C193 C194 C195 C196 C196 C197 C198 C199 C199 C199 C199	17 00 17 00 17 17 17 17	0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.20 0.20 0.01 0.01 0.30 0.15 0.01 0.01	74 13 81 36 66 178 44 56 100	6.9 3.0 6.9 3.0 0.1 3.0 4.0 3.0 3.0	53 58 73 26 66 76 53 50 76	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01

	Seeste No.	Geol.	14 P0%	A4 800	C) 909	Pt sten	ŽA P PR	Pig SGM
-	C201 C202 C203 C204 C205 C207 C209 C209 C209	17 17 17 17 17 17 17 17	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.30 0.10 0.01 0.01 0.01 0.30 0.01 0.20 0.20	111 72 79 58 46 81 69 59	3.0 4.0 3.0 3.0 3.0 3.0 3.0 4.0	51 50 53 65 65 65 65 65 65 65 65 65 65 65 65 65	0.01 0.01 0.01 0.01 0.10 0.01 0.01 0.01
2222222222	12 14 15 16 17 18	ग ग ग ग ग ग	8.00 6.00 6.00 6.00 6.00 6.00 6.00 8.00	0.01 0.20 0.30 0.40 0.01 0.20 0.01 0.01	95 88 197 155 86 83 115 157 105 81	3.0 9.0 6.0 6.0 5.0 6.0 4.0	10 62 140 49 21 34 75 265 71	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01
		रा स स स स स	9.00 60.0 60.0 60.0 60.0 90.0 90.0 60.0 6	0.01 0.40 0.01 0.30 0.91 0.30 0.01 0.20 0.49	102 78 55 65 70 22 120 63 64 64 65 64	4.0 18.0 4.0 5.0 4.0 9.0 4.0 17.0 15.0	50 156 60 133 81 81 81 77 309 65	0.01 0.10 0.01 0.01 0.01 0.01 0.01 0.01
7 7 7 7 1	ଷ୍ଟିପ୍ର ପ୍ର ଥିତ ଅଧିକ ଅଧିକ ଅଧିକ ଅଧିକ ଅଧିକ ଅଧିକ ଅଧିକ ଅଧିକ	न न न न न न न	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0,48 0,50 0,01 0,20 0,61 0,40 0,49 0,01 0,01 6,20	103 55 87 88 75 75 105 23 96	9.1 3.0 3.0 2.0 2.0 3.9 5.0 4.0 1.0	63 66 57 42 63 130 72 49 60	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01
	011 012 013 013 013 013 013 013 013 013 013 013	11 12 13 14 15 15 15 17 17 17 17 17 17 17 17 17 17 17 17 17	9,60 0,00 0,00 0,03 0,03 0,00 0,00 0,00 0	0,43 0,60 0,01 0,01 0,39 0,10 0,50 0,01 0,10	71, 120 25 25 40 89 36 45 64	1.0 1.9 3.0 3.0 2.0 3.0 2.0 3.0 2.0	84 80 85 72 65 61 63 65 65 65 65 65 65	9.61 0.01 0.01 0.01 0.01 0.01 0.01 0.01
_	Specie	Good.	astreits Au	2) 98056 #s	MICAL SA	25 mm	 Zn	
	76. (25)	Unit	0.00	9,50	92M 73	50E	59 59	9.01
	ଷ ଧିକ୍ଷ ପ୍ରତି ପ୍ରତି ପ୍ରତି ପ୍ରତି ପ୍ରତି ପ୍ରତି ପ୍ରତି ପ୍ରତି ପ୍ରତି ପ୍ରତି ପ୍ରତି ପ୍ରତି ପ୍ରତି ପ୍ରତି ପ୍ରତି ପ୍ରତି ପ୍ରତି ପ	ग ग ग ग ग ग	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.20 0.20 0.20 0.50 0.50 0.01 0.30 0.30 0.01	27 50 30 117 62 73 19 76	3.9 2.0 2.0 2.0 5.0 3.0 6.0 3.0 3.0	22 23 24 25 27 27 27 27 27 27 27 27 27 27 27 27 27	0.01 0.01 0.01 0.01 0.10 0.10 0.01 6.61
	(25) (25) (25) (25) (25) (25) (25) (25)	रा ग ग ग ग ग	0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.30 0.50 0.30 0.91 0.30 0.70 6.61 0.50 0.30	69 59 67 72 106 167 12 197 139 28	5.0 5.0 4.0 3.0 4.0 6.0 4.0 4.0	77 62 65 61 67 72 62 14	0.01 0.01 0.01 0.91 0.91 0.01 9.02 0.01
1 2 3 5 5 7 1 1		रा श श श श श स्	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.50 0.60 0.01 0.10 0.30 0.40 0.61 0.40 0.10	92 187 120 22 690 97 182 98	18.9 16.0 0.1 7.9 5.0 5.0 5.0 1.0 5.0	118 150 90 16 118 93 93 93 88 119	0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01
	55555555555555555555555555555555555555	ग ग ग स स स स स	0.60 6.00 0.00 0.00 0.00 0.00 0.00 0.00	9.40 9.30 9.10 9.40 9.40 9.40 9.40 9.40	83 79 69 158 81 65 100 97 92	4.0 6.0 8.0 8.0 5.9 5.0 6.0 6.0	65 91 54 110 87 61 112 87 79	0.01 0.61 0.61 0.01 9.29 0.01 0.01 0.01 0.01
	50 00 00 00 00 00 00 00 00 00 00 00 00 0	रा ग ग ग ग ग ग	0.90 0.00 9.00 0.00 0.00 0.00 0.00	0.28 0.40 0.30 0.40 9.44 9.01 0.50 0.50	13 155 130 130 133 139 166 101	4.0 5.0 4.0 5.0 5.0 7.0 6.0 6.0	135 59 90 104 537 91 52	6.19 6.91 6.91 6.91 6.01 6.01 8.01 9.10

ŝer.	SAPOLE	õeal.	¥	4	Cu	Pa	ζń
No.	Ho.	Unit	990	P04	900	996	956
501	c\$e1	17	0.00	0.30	225	7.0	130
502	C592	77	0.00	0.01	17	3.0	20
503	C503	TF	0.00	0.20	35	٠.٥	ė.
531	0504	17	0.00	9.40	ท	0.1	55
505	C505	TF	0.00	0.33	44	9,1	57
505	C506	TF	6.00	0.30	22 .	12.0	21
C4?	CC67	12	6.64	0.01	10	1.0	12

(3)

12 12 13 199 9 11 25 15 15 76 860 61 11 19 33 56 86 55 72 16 35 59 45 45 72 25 54 72 75 115 91 86 21 86 51 86 51 වර්සිම ත්රම්ප්ත්ත්ත් මෙම සහමන් පිරිසින් සම්බන්ත් සහමන් 0.10 1.00

Ser. Yo.	Samele No.	Geol. Unit	A) MA	14 300	ᅄ	25 200	<i>t</i> ∧ ppe	/fig 698
	·							
551	CSS1	ŦF	0.00	0,40	50	5.0	,53	9.01
522	C572	TF	0.00	0.20	54	6.0	44	0.01
\$53	C553	TF	0.00	0.21	54	6.0	54	6.02
554	C534	TF .	0.00	9.30	33	3.0	50	6.61
555	C555	ŦF.	0.00	0,30	59	5.9	213	0.10
556	ದ್ಯಾ	दा	0.00	6.61	å	5.0	73	0.91
557	C557	ŦF	0.00	0.40	56	2.0	44	0.01
528	C534	TF	0.00	0.22	to	4.0	41	8.10
559	2559	17	62.9	13.0	11	5.0	62	4.0
560	CS61	17	9.00	9.10	44	4.0	192	0.01
561	C562	TF	0.00	9.30	59	4.8	72	0.01
542	CSAT	1F	0.00	0.40	314	5.0	127	8.61
543	CSSA	TF	0.00	0.61	22	2.0	¥5	0.01
564	CS65	1F	9.00	0.01	79	3.0	76	0.01
565	CS&S	TF	6.00	0 .10	34	3.0	62	0,48
566	C567	1F	9.00	0.50	699	19.0	119	0.01

1002 1002 1003	er. No.	ŝaŝoja No.	feol. Unit	,4:) 900	A4 998	(C)	7b 1998	žn PSA	70 100
1.03	WI	C401	īF	0.00					0.01
194 C444 TF 0.00 0.01 141 4.0 155 0.00	WZ				0.60				9.01
105					0.50				0.01
160					0.60				0.01
Martin M									
LORG CARD TF 0.00 0.01 101 18.0 85 0.0 LORD CARD CARD 0.00 0.01 25 4.0 35 0.0 LORD CARD 0.00 0.01 45 8.0 25 0.0 LORD CARD 0.00 0.10 45 8.0 35 0.0 LORD CARD 0.00 0.10 15 4.0 35 0.0 LORD CARD TF 0.00 0.00 0.10 16 4.0 82 0.0 LORD CARD TF 0.00 0.00 0.00 3.0 30 60 0.0 16 16 4.0 82 0.0 3.0 39 0.0 16 16 4.0 3.0 39 0.0 3.0 39 0.0 3.0 39 0.0 3.0 39 0.0 3.0 39 0.0 3.0 39 0.0					9.20	.30			
1.00									0.01
CAT CAT									0.0
									0.0
x15 x15 <td>.11</td> <td>C411</td> <td>TF</td> <td>0.00</td> <td>1,50</td> <td>779</td> <td></td> <td>305</td> <td>0.01</td>	.11	C411	TF	0.00	1,50	779		305	0.01
141	112	CATE	TF.	0.00	e.50				0.01
All Call	£13	CL13	ΤÊ						0.01
150 151 151 152			TF						0.61
17 CATT TE 0.09 0.01 85 12.0 67 0.0 18 CATT CATT CATT CATT CATT CATT CATT CATT CATT 19 CATT TF 0.00 0.01 61 6.0 35 0.0 19 CATT TF 0.00 0.01 61 6.0 35 0.0 20 CAZO TF 0.00 0.01 105 6.0 68 0.0 21 CAZT TF 0.00 0.01 105 6.0 68 0.0 22 CAZZ TF 0.00 0.01 101 2.0 75 0.0 23 CAZS TF 0.00 0.01 101 2.0 75 0.0 24 CAZS TF 0.00 0.01 101 5.0 83 0.0 25 CAZS CATT 0.00 0.01 101 5.0 83 0.0 26 CAZS CATT 0.00 0.01 21 7.0 13 0.0 27 CAZT CATT CATT CATT CATT CATT CATT 28 CAZS CATT 0.00 0.01 22 7.0 13 0.0 29 CAZS CATT 0.00 0.01 25 7.0 19 0.0 20 CAZS CATT 0.00 0.01 25 7.0 19 0.0 21 CAZT CATT									0.01
158 55/5 55/5 55/5 56/5 65/5									
139 CH 17									
21 C421 TF 0.00 0.01 105 4.0 44 0. 21 C421 TF 0.00 0.01 50 8.0 6.0 63 0. 22 C422 TF 0.00 0.01 101 2.0 75 0. 23 C423 TF 0.00 0.01 101 5.0 8.0 8.0 63 0. 24 C424 TF 0.00 0.01 101 5.0 8.0 8.0 62 0. 25 C425 DA 0.00 0.01 121 7.0 13 0. 26 C426 DA 0.00 0.01 21 7.0 13 0. 26 C426 DA 0.00 0.01 22 7.0 13 0. 27 C427 DA 0.00 0.01 22 7.0 13 0. 28 C428 DA 0.00 0.01 22 7.0 13 0. 28 C429 DA 0.00 0.01 25 5.0 54 0. 29 C429 DA 0.00 0.01 25 7.0 19 9. 20 C429 DA 0.00 0.01 27 7.0 19 9. 21 C427 DA 0.00 0.01 18 8.0 33 0. 23 C430 DA 0.00 0.01 25 7.0 19 9. 24 C431 TF 0.00 0.01 18 8.0 22 0. 25 C452 DA 0.00 0.01 18 8.0 22 0. 26 C453 TF 0.00 0.01 12 7.0 13 0. 27 C457 DA 0.00 0.01 18 8.0 22 0. 28 C458 TF 0.00 0.01 18 8.0 22 0. 28 C458 TF 0.00 0.01 18 8.0 22 0. 28 C459 TF 0.00 0.01 50 5.0 9. 28 C459 TF 0.00 0.01 50 5.0 9. 28 C459 TF 0.00 0.01 50 5.0 9. 28 C459 TF 0.00 0.01 50 6.0 10 6.0 10 6.0 70 0. 27 C457 TF 0.00 0.01 50 6.0 70 0. 28 C458 TF 0.00 0.01 55 6.0 70 0. 29 C459 TF 0.00 0.01 55 6.0 70 0. 29 C459 TF 0.00 0.01 55 6.0 70 0. 29 C459 TF 0.00 0.01 55 6.0 70 0. 20 C459 TF 0.00 0.01 55 6.0 70 0. 24 C442 TF 0.00 0.01 55 1.0 70 0. 24 C442 TF 0.00 0.01 55 1.0 70 0. 24 C444 TF 0.00 0.01 50 6.0 79 0. 24 C444 TF 0.00 0.01 55 1.0 70 0. 24 C444 TF 0.00 0.01 50 6.0 79 0. 24 C445 TF 0.00 0.01 50 6.0 79 0. 24 C445 TF 0.00 0.01 50 6.0 79 0. 24 C445 TF 0.00 0.01 50 6.0 79 0. 25 C455 TF 0.00 0.01 50 6.0 79 0. 26 C456 TF 0.00 0.01 50 6.0 79 0. 27 C457 TF 0.00 0.01 50 6.0 79 0. 24 C444 TF 0.00 0.01 50 6.0 79 0. 24 C444 TF 0.00 0.01 50 6.0 79 0. 24 C444 TF 0.00 0.01 50 6.0 79 0. 24 C444 TF 0.00 0.01 50 6.0 79 0. 25 C455 TF 0.00 0.01 50 6.0 79 0. 26 C456 TF 0.00 0.01 50 6.0 79 0. 27 C457 TF 0.00 0.01 50 6.0 79 0. 28 C458 TF 0.00 0.01 50 6.0 79 0. 29 C459 TF 0.00 0.01 50 6.0 79 0. 20 C450 TF 0.00 0.01 50 6.0 79 0. 20 C450 TF 0.00 0.01 50 6.0 79 0. 20 C450 TF 0.00 0.01 50 6.0 79 0. 21 C450 TF 0.00 0.01 50 6.0 79 0. 22 C460 TF 0.00 0.01 50 6.0 79 0. 23 C450 TF 0.00 0.01 50 6.0 79 0. 24 C460 TF 0.00 0.01									0.01
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22 C422 FT 0.00 0.01 191 2.0 75 0.75 3.0 75 0.0 0.01 191 5.0 35 0.2 2.0 75 0.0 0.0 0.01 11 5.0 35 0.0 2.0 2.0 11 5.0 35 0.0 6.2 0.2 0.0 0.0 0.01 21 7.0 13 0.0 1.0 32 5.0 5.7 7.0 13 0.0 0.0 0.00 0.00 1.0 23 5.0 5.4 0.0 0.0 0.00 0.0 1.0 25 7.0 19 9.0 27 0.0 0.0 0.0 0.0 0.0 0.0 1.0 25 7.0 19 9.0 22 0.0 <	21	C421	TF	0.00	9.01	\$0	8.0	63	6.01
136 C424 IT 0.00 0.01 21 7.0 13 0.00 62 0.00 13 0.00 62 0.00 13 0.00 1	-22	C422	ΤF		0.01				0.01
25 C425 OA 0.00 0.01 21 7.0 13 0.0 20 C425 OA 0.00 0.01 21 7.0 13 0.0 12 0.00 0.01 22 0.00 0.01 22 0.00 0.00									0.01
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132 CA32									0.0
132 0.12 17 0.00 0.59 24 9.0 38 0.1 133 0.135 17 0.00 0.20 38 5.0 72 0.1 134 0.13 17 0.00 0.20 159 3.0 288 0.1 135 0.155 17 0.00 0.01 42 5.0 183 0.1 136 0.155 17 0.00 0.01 42 5.0 183 0.1 137 0.17 17 0.00 0.10 97 5.0 98 0.1 137 0.17 17 0.00 0.40 99 5.0 98 0.1 138 0.139 17 0.00 0.20 92 6.0 99 0.1 139 0.139 17 0.00 0.20 91 18.0 166 0.1 139 0.139 17 0.00 0.01 56 6.0 79 0.1 142 0.142 17 0.00 0.01 55 0.1 201 0.1 142 0.142 17 0.00 0.01 55 5.0 253 0.1 143 0.141 17 0.00 0.01 55 1.1 202 0.1 144 0.144 17 0.00 0.01 57 11.0 202 0.1 145 0.15 17 0.00 0.10 6.0 79 0.1 145 0.15 17 0.00 0.20 91 1.0 77 0.1 147 0.41 17 0.00 0.20 91 1.0 77 0.1 148 0.144 17 0.00 0.20 91 1.0 77 0.1 149 0.140 17 0.00 0.20 91 1.0 77 0.1 149 0.140 17 0.00 0.20 91 1.0 77 0.1 140 0.140 17 0.00 0.20 91 1.0 77 0.1 141 0.140 17 0.00 0.20 91 1.0 77 0.1 142 0.140 17 0.00 0.20 91 1.0 77 0.1 143 0.141 17 0.00 0.20 91 1.0 77 0.1 144 0.140 17 0.00 0.20 91 1.0 77 0.1 145 0.140 17 0.00 0.20 91 1.0 77 0.1 145 0.140 17 0.00 0.20 91 1.0 77 0.1 145 0.140 17 0.00 0.20 91 1.0 77 0.1 147 0.140 0.140 0.20 0.10 17 0.1 0.1 148 0.140 17 0.00 0.10 17 0.1 0.1 0.1 0.1 0.1 0.1 149 0.140 17 0.00 0.10 17 0.1	31	CASI	04	0.00	0.61	18	8.0	22	0.0
\$35 C434 TF 0.00 0.51 1970 3.0 288 0.355 C435 TF 0.00 0.61 42 3.0 193 3.0 288 0.355 C435 TF 0.00 0.61 42 3.0 193 3.0 1		C432		0.00	0.30	24	9.8	33	0.01
35 C455 IF 0.00 0.01 42 5.0 183 0.0 37 C457 IF 0.00 0.01 8.0 59 5.0 96 0.0 37 C457 IF 0.00 0.20 92 6.0 99 0.0 39 C439 IF 0.00 0.50 71 12.0 186 0.0 39 C439 IF 0.00 0.50 71 12.0 186 0.1 40 C440 IF 0.00 0.01 185 0.1 201 0.4 41 C441 IF 0.00 0.01 56 0.0 79 0.4 42 C442 IF 0.00 0.01 55 0.0 79 0.4 44 C444 IF 0.00 0.01 55 0.0 79 0.4 45 C445 IF 0.00 0.01 50 0.0 70 185 0.0 79 0.4 45 C446 IF 0.00 0.00 0.00 185 0.0 79 0.4 46 C446 IF 0.00 0.00 0.00 185 0.0 79 0.4 47 C447 IF 0.00 0.00 0.00 185 0.0 79 0.4 48 C448 IF 0.00 0.00 0.00 185 0.0 185 0					9.20				0.9
\$\frac{35}{35}\$ CA\$5\$ IF\$ \$0.00\$ \$0.01\$ \$60\$ \$0.0\$ \$76\$ \$0.0\$\$ \$\$\frac{1}{35}\$ CA\$5\$ IF\$ \$0.00\$ \$0.40\$ \$99\$ \$5.0\$ \$96\$ \$0.0\$\$ \$\$39\$ CA\$9\$ IF\$ \$0.00\$ \$0.20\$ \$92\$ \$0.0\$ \$93\$ \$0.0\$\$ \$\$39\$ CA\$9\$ IF\$ \$0.00\$ \$0.50\$ \$11\$ \$10.0\$ \$186\$ \$0.1\$\$ \$\$0.1\$ \$0.00\$ \$0.50\$ \$15\$ \$0.1\$ \$20\$ \$0.0\$\$ \$\$0.1\$ \$0.00\$ \$0.0\$\$ \$15\$ \$0.1\$ \$20\$ \$0.0\$\$ \$\$0.1\$ \$0.00\$ \$0.0\$\$ \$15\$ \$0.1\$ \$20\$ \$0.0\$\$ \$\$0.1\$ \$0.00\$ \$0.0\$\$ \$15\$ \$0.1\$ \$20\$\$ \$\$0.1\$ \$0.00\$ \$0.0\$\$ \$15\$ \$0.0\$\$ \$\$0.2\$\$ \$5.0\$ \$25\$\$ \$0.0\$\$ \$\$45\$ CA\$3\$ \$IF\$ \$0.00\$ \$0.40\$ \$55\$ \$1.0\$ \$26\$\$ \$\$0.2\$\$ \$5.0\$ \$25\$\$ \$0.0\$\$ \$\$45\$ CA\$4\$ \$IF\$ \$0.00\$ \$0.40\$ \$55\$ \$1.0\$ \$26\$\$ \$\$46\$ CA\$4\$ \$IF\$ \$0.00\$ \$0.10\$ \$69\$ \$4.0\$ \$19\$\$ \$\$45\$ CA\$5\$ \$IF\$ \$0.00\$ \$0.10\$ \$69\$ \$4.0\$ \$19\$\$ \$\$46\$ CA\$4\$ \$IF\$ \$0.00\$ \$0.20\$ \$91\$ \$1.0\$ \$71\$ \$0.0\$\$ \$\$47\$ CA\$7\$ \$IF\$ \$0.00\$ \$0.40\$ \$102\$ \$5.0\$ \$1.0\$ \$71\$ \$0.0\$\$ \$\$49\$ CA\$9\$ \$IF\$ \$0.00\$ \$0.40\$ \$102\$ \$5.0\$ \$1.0\$ \$71\$ \$0.0\$\$ \$\$49\$ CA\$9\$ \$IF\$ \$0.00\$ \$0.40\$ \$102\$ \$5.0\$ \$1.0\$ \$71\$ \$0.0\$\$ \$\$49\$ CA\$9\$ \$IF\$ \$0.00\$ \$0.40\$ \$102\$ \$5.0\$ \$1.0\$ \$71\$ \$0.0\$\$ \$\$40\$ CA\$9\$ \$IF\$ \$0.00\$ \$0.40\$ \$102\$ \$5.0\$ \$1.0\$ \$71\$ \$0.0\$\$ \$\$40\$ CA\$9\$ \$IF\$ \$0.00\$ \$0.40\$ \$102\$ \$5.0\$ \$1.0\$ \$71\$ \$0.0\$\$ \$\$40\$ CA\$9\$ \$IF\$ \$0.00\$ \$0.40\$ \$102\$ \$5.0\$ \$1.0\$ \$71\$ \$0.0\$\$ \$\$40\$ CA\$9\$ \$IF\$ \$0.00\$ \$0.40\$ \$102\$ \$5.0\$ \$1.0\$ \$71\$ \$0.0\$\$ \$\$40\$ CA\$9\$ \$17\$ \$0.00\$ \$0.40\$ \$102\$ \$5.0\$ \$1.0\$ \$71\$ \$0.0\$\$ \$\$40\$ CA\$9\$ \$17\$ \$0.00\$ \$0.40\$ \$102\$ \$5.0\$ \$1.0\$ \$71\$ \$0.0\$					9.50				0.0
37 C437									0.0
38 C439 TT 0.00 0.20 92 6.0 98 0. 39 0.39 6439 TF 0.00 8.50 71 19.0 186 0. 39									0.0
3.79 6.539									
\$\begin{array}{cccccccccccccccccccccccccccccccccccc									0.0
412 CM2 FF 0.00 0.01 26 5.0 285 0.0 43 CM3 TF 0.02 0.40 55 11.0 262 0.0 44 CM4 DF 0.00 0.70 4.3 9.0 1031 0.0 45 CM5 TF 0.00 0.16 69 4.0 179 0.0 46 CM4 CM6 CM6 0.30 69 4.0 116 0.0 47 CM7 TF 0.00 0.20 91 1.9 7t 0.0 43 CM3 TF 0.00 0.40 102 5.0 108 0.0 40 CM9 CM9 0.00 13 3.0 3.0 3.0				0.00	0.01				0.01
4.22 CA42 FF 0.00 0.01 24 5.0 235 0.0 4.32 CA43 TF 0.02 0.40 SS 11.0 262 0.4 4.44 CH43 TF 0.00 0.70 4.85 9.0 1031 0. 4.5 CH45 TF 0.00 0.16 69 4.0 79 0. 4.6 CH46 CH40 CH6 0.30 49 4.0 118 0. 4.7 CH7 TF 0.00 0.20 91 1.0 71 0.0 4.3 CH43 TF 0.00 0.40 102 5.0 104 71 0.00 4.2 CH40 TF 0.00 0.40 102 5.0 103 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	41	CHI	TF	0,00			4.0		0.61
HAR CHAR IT 0.00 0.70 HAS 9.0 1031 0. 45 CHAS IT 0.00 0.10 69 H.0 77 118 0. 45 CHAS IT 0.00 0.30 H9 H.0 118 0. 47 CHAT IT 0.00 0.20 91 1.0 77 0. 48 CHAS IT 0.00 0.20 91 1.0 71 0. 48 CHAS IT 0.00 0.40 102 5.0 104 0. 48 CHAS IT 0.00 0.90 135 3.0 36 0.	12						5.0		0.01
45 C45 F7 9,00 0,10 69 4,0 79 0.4 46 C446 F7 9,00 0,30 49 4,0 116 0. 47 C447 F7 9,00 0,20 91 1,0 71 0.4 43 C443 F7 0,00 0,40 102 5,0 108 0,40 102 0,0 100 0,0									6.01
AG C446 IF 0.00 0.30 49 4.0 116 0. 47 C447 IF 0.00 0.20 91 1.0 71 0.0 48 C448 IF 0.00 0.40 1072 5.0 104 0.4 49 C449 IF 0.00 0.04 1072 5.0 36 0.4 49 C449 IF 0.00 0.01 13 5.0 36 0.4									0.51
47 C447 TF 0.00 0.20 91 1.0 71 0.1 43 C443 TF 0.00 0.40 102 5.0 104 0.1 49 C449 TF 0.00 0.01 13 3.0 36 0.1									0.80
43 C440 TF 0.00 0.60 107 5.0 104 0. 49 C449 TF 0.00 9.01 13 3.0 36 0.1									9.91
49 CAA9 TF 0.50 9.01 15 5.0 36 0.0									
									0.0
.50 CASO TF 0.00 0.20 /0 Z,9 60 V.	50 50	C450	ΤĒ	0.00	0.20	70	2.0	86	0.01
ORES	Q	#Z							_
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	la,	No.	Unit	pos	908	904	por	904	90

- 0	#Z							
	***	een HEIV	CONTENTS	DA PECCAR	BY COLL SU	Medic anno	٠.	
Ser.	Samle	***	·				24	
Ma.	Mo.	Seci. Unit	Au Gesa	ÀŞ SCHI	Ĉij 904	Pp#	CO PC#	7E)
		VIII	·····					,,,,
451	C451	75	0.00	0.01	33	0,1	68	0.01
452	C452	T\$	0.00	9.93	23	1,0	50	0.01
+53	C453	TF	0.00	9.01	19	2.0	33	0.91
454	CASA	T\$	0.50	9.30	8	7.0	19	0.01
155	C455	T\$	0.00	10.9	- 3	4.0	25	0.01
455 457	C456 C457	1F 17	0.00	0.01 0.30	28 58	3.1	72 U	0,01 0,01
451 458	C\$58	TF	9.60	V.31 0.01	. 7	3.0 3.0	31	0.01
459	CASS	77	0.00	0.01	· 5	3.0 3.0	77	0.03
150	CAGO	15	0.00	0.20	2	1.0	41	0.61
100	~~~		4.97	4.49	•	1.0	*1	6761
461	Ciát	TŠ	0.00	0.10	2	2.0	15	0.01
462	C162	艿	0.00	0.10	9	4.0	20	0.01
i di	C463	12	0.00	0.01	7	3.0	15	0.10
155	CLOS	13	0.00	10.0	23	6.0	9	0.01
165	C465	12	0.00	0,01	\$	2.0	17	9.01
156	CHAS	FS	9.53	0.16	31	3.0	66	0,01
467	C467	1\$	0.00	10.0		3.0	20	0.01
168	C468	T\$	0.00	9.01	23	3.0	39	0.01
469	C469 C470	13	9.03	0.10	34	2.0	51	0.01
+ru	CAPU	F\$	0,00	0.20	45	3.0	84	10,8
471	CATI	TS	0.00	8.10	10	3.0	33	0.01
172	C472	15	0.90	9.01	11	3.0	30	0,01
473	C\$73	TF	0.00	0,10	43	2.0	Sä	0.01
474	CATA	18	2.00	0.40	68	5.0	35	0.10
	C475	TF.	0.00	9,61	59	4.0	75	0.91
476	C476	TF	0.00	0.60	52	3.0	83	0.50
477	C177	रा	0.03	9.10	10	8.0	59	0.01
478	C478	TF	0.00	0,01	7	3.0	10	0.01
479	C479	ŢF	0.00	0.20	18	2.0	25	10.0
180	(48)	11	0.00	0.61	5	. 5.0	24	0.03
441	C481	15	0.00	10.0	5	3.0	22	0.01
482	0182	iř	9.00	0.61	29	12.0	33	0.01
483	C483	ïF	0.00	0.01	27	3.6	33	0.01
184	C484	TF .	0.00	0.01	39	7.0	205	01.0
485	CSSS	TF	0.00	0.01	11	7.0	154	6.91
186	C486	作	0.00	0.91	21	9.0	49	0,01
447	C487	TF	6.60	0.20	13	9.0	49	0.61
(86	C188	TF .	0.00	0.30	21	26.0	157	0.61
489	C189	म	9.00	0.20	18	7.0	63	0.01
495	C490	34	50.0	1.61	24	9.0	15	18.0
491	C491	15	0.00	9.30	17	4.0	86	0.05
192	C497	") (F	0.00	0.70	23	7.0	52	0.01
193	C493	ΪF	0.00	0.30	59	161.0	165	0.40
104	¢494	ग	0.00	0.01	70	9.0	165	. 0.6!
455.	C195	75	0.60	0.20	9	2.0	30	0.01
196	C496	1F	0.00	0.90	162	7.0	78	9.91
497	C497	TF	0.60	0.40	72	2.0	54	0,01
476	¢498	ΤF	0.00	0.01	33	6.0	78	0.01
499	C499	TF	6.00	0.60	79	7.0	127	0.01
500	C500	11	0.00	0.40	70	7.0	70	0.01

¢#		ooo petal	STEELES.		· 21		odd PETAL				
Ser. No.	SHESLE NO.	Geol. Unit	A) 950	Ag ppm	Cu ppm	Pb ecm	čn pos	Pose	Şer. No.	Samele No.	Gect. Unit
1 2	P001 P002 P003	60 60 20	0.00 0.00 0.00	0.01 9.10 0.01	\$ 9 \$5	5.0 6.0 6.0	37 63	0.01 0.01 0.01	101 102 103	P101 P102 P103	8

Ser .	\$ James 6	Geol.	Ni.	М	Q ₁	Pla	ln.	Po.
No.	No.	Unit	999	000	600	60 0	DQE.	902
t	P001	60	0.00	0.01	ŧ	5.0	37	0.01
3	F007	60	0.00	2.10	9	4.0	63	0.01
3	F)03	40	0.00	0.01	\$	4.0	38	0.01
4	100	∙ €0	0.00	0.10	11	4.0	26	0,81
5	P075	€0	0.00	0.20	7	7,0	16	10.0
7	P006	60	0.00	0.20	44	5.0	37	0.01
- 7	P007	60	0.00	0. t0	36	1.0	36	0.10
- 8	2008	100	0.00	0.10	15	3.0	13	10.0
9	P009	60	0.00	9,01	35	4.6	24	0.01
10	PO16	90	6.00	0.10	166	2.9	41	0.01
11	P011	€	0.00	4.20	113	8.1	25	0.01
12	P112	60	0.00	0.10	12	6.0	23	0.61
13	PO13	60	0.08	0.10	12	1.0	10	0.01
16	2014	60	0.00	0.30	23	4.0	74	9.01
15	PO15	60	0.00	0.01	19	1.0	13	0.01
16	3101	10	6.00	0.20	TS	0.1	50	10.0
17	PQ17	Ĉ.	0.00	0.39	73	2.0	28	0.01
18	P018	60	0.00	0.16	11	4.0	22	9.01
19	P019	ã	0.00	0.01	77	3.0	24	0,01
20	P020	ŵ	0.00	0.20	15	3.0	47	10.0
21	P021	60	0.00	0.10	77	4.0	31	0.20
21 22	P022	60	0.00	0.01	45	4.0	38	0.01
23	P023	60	0.00	9.01	17	4.0	23	0.01
21	2024	80	0.00	9.01	17	L.G	23	4.41
25	PC25	50	0.00	0.60	57	7.0	46	0.01
25	F026	ସେ	0.03	0.20	52	3.0	34	0.51
27	P027	SÕ.	0.00	9.01	10	2.0	32	0.01
27 28	90720	Ö	0.00	0.10	82	3.0	45	0,01
29	P029	96	0.02	0.10	42	3.0	7 5	0.01
30	F030	60	0.00	0.10	10	3.0	40	0.0t
31	P031	eD.	0.00	0.01	tā	5.0	22	. 0.01
33	6023	43	9.06	4.01	13	4.t	27	4.01
33	P033	. 60	0.00	0.01	9	3.0	16	0.01
34	P034	ã	9.00	0.01	. 10	3.0	30	0.61
35	27.00	60	0.60	0.10	23	2.0	29	0.61
33	P136	80	0.00	01.0	16	2.0	13	0.05
33 33	PG37	ဆိ	0.00	0.30	\$1	2.0	32	0.01
38	P038	90	0,00	0.01	223	2.0	47	6.10
39	P039	69	0.00	0.01	29	1.0	29	8.10
40	P010	60	0.00	0.10	15	2.0	29	0.01
u	P041	60	0.09	0.20	82	1.0	39	6.01
12	P042	SE .	0.01	0.01	13	2.0	35	6.01
iš	P043	. 60	0.00	0.01	55	1.0	24	0.10
4	P044	ä	0.00	0.01	ñ	5.0	10	0.01
15	2045	ä	0.60	0,61	22	2.0	24	0.10
65	P046	60	0.00	8.80	138	3.0	56	0.20
47	747	60	0.00	10.0	165	1.0	77	0.61
43	2048	60	0.90	0.20	153	5.0	20	0.60
10	P049	60	0.03	0.13	.99	2.0	28	3.01

er. X	Samule Xo.	Geal. Unit	Au ppe	Ag pose	Çu	Pb 504	žn PSM	70 600
_								
51	PO\$1	60	0.00	0.10	5 12	2.0	ц 13	g.61 6.91
22	P052	60	9.93	0.01		3.0	10	0.01
53	P053	60	0.09 0.00	0.20 0.50	318 1269	3.0 6.0	31	0.01
34	P055	89 80	6.09	0.50	885	4.0	27	0,01
55 56	P056	60	0.00	0.20	1298	1.0	35	9.10
20 57	P057	e0 ≈v	0.00	0.10	65	2.0	ñ	0.01
38	P058	8	0.00	6.61	213	2.6	27	0.01
59	P059	Ø	0.00	4.01	9	2.0	23	0.01
60	FOXO	80	0.60	0.10	16	2.0	75	0.01
~			*	•				
61	7061	60	9.00	9,10	161	2.0	27	0,01
62	1362	\$	0.00	0,01	86	3.0	u	0.01
63	2003	ಲ	0.09	0.10	40	0.1	59	0.01
64	P064	20	0.00	0.01	16	2.0	37	5.0
65	P065	₩.	0.60	0.ài	53	3.0	49	0,01
66	P0%6	60	0.00	0.10	18	2.0	31	0,01
67	PC67	90	0.00	9.01	44 28	1.0 3.0	23 44	Q,Q1 Q,Q1
8	P068 P069	80	0.00 0.00	0.20 0.01	50	2.0	ü	0.01
'n	P070	80	0.00	8.10	37 37	4.0	Š	0.01
	1414		0.00	4		***	~	•,,
n	2071	60	0.00	9.10	59	3.0	58	0.01
72	P072	en en	0.00	8.10	61	4.0	Ħ	0,0
73	P073	€0	0.00	0.01	50	3.0	32	0.01
74	P071	€	0,00	4.01	168	Z.9 .	25	0.61
75	PUIS	60	0.03	9.01	53	2.0	- 17	0,01
76	P076	必	0.00	0.61	11	2.0	21	0.0
η	1077	80	63.0	2.01	10	5.0	30	0.0
78	P078	60	9.00	0.10	17	3.0	ž3	9.01
79	1079	ø	0.00	0.10	31	2,0	33	0.0
89	MOSO	ED	0.00	0,10	33	2.0	34	0.0
81	P081	90	0.00	0.01	18	1.0	36	6.01
82	7082	60	0.00	0.01	31	1.0	43	0.0
83	P685	60	9.00	6.61	6	1.0	22	0,01
64	P084	€0	0.00	0.01	7	4.9	27	0.0
85	FV65	₩.	20.0	12.0	15	2.4	73	0.41
84	PG86	60	0.00	9,10	29	2.0	ų	6.0
57	P087	€0	0.00	0.10	243	2.0	27	0.0
M	F065	9	0.00	0.10	113	2.0	72	0,10
89	P089	60	0.60	0.01	166	3.0	24	9.01
90	1050	Ð	6.00	0.01	δŝ	3.0	43	0.01
91	6091	60	0.00	€.01	39	2.0	45	0,01
92	1792	60	0.00	9.10	33	2.0	93	0.0
73	1093	90	0.00	0.01	7	0.1	24	4.8
94	7094	60	6.00	9.19	15	2.0	ы	4.0
95	PCPS	50	0.00	0.10	63	4.0	få.	0,0
96	P098	60	6.00	6.61	350	2.0	36	0.0
97	107?	쇖	0.01	9.20	147	2.0	43	0.10
98	P098	60	0.00	0.01	56	2.0	. 25	0,0
99	2099	60	0.00	0.01	31	2.0	55	0.10
100	P100	₩.	0.93	0.29	31	3.0	39	0,01

\$er. Wo.	Sample No.	Gect. Vall	Au 190	150 14	(V	P& 204	koa Zn	76) 508
101	P101	60	0.03	0.10	٤١	0.1	\$1	0.01
102	P102	မိ	9.00	0.01	22	2.5	32	0.01
103	P163	60	0.60	0.01	73	4.0	33	10.0
104	9104	60	0.00	0.01	12	2.0	26	0,01
105	P105	eo .	0.00	0.10	4.39	3.0	16	4.61

	Sarete	Geol.		M	Ç _i	Pie	Ž٨	Ma		Ser.	Saucte	Geol.	ky	Ag	O ₄	Pa	ŽA.	- No
).	Ko,	unit	ρte	794 1994	110	56 4	pça	994		No.	Xa.	Unit	pon	5/Mi	968	P08	pins	POR
1 2	m1-1 a1-2	12	0.00	0.01 10.0	21 45	5.0 2.0	13	10.0 10.0		101 102		78 15	9.00	0.00 10.0	15	1.0	13 13	0.01
\$	₩-?	12 13	0.00	0,10 0,40	N N	3.0 8.0	1\$ 13	0.01		103	17-7 17-a	TB OF	0.00	0,91 0.15	23 23	2.0	z z	0.01
8	M-5	T\$	0.00	0.81 0.19	38 22	4.0	18	0.01 0.01	•	105 105	N7-9 N7-16 N7-11	0t 0t 12	0.00 00.0 00.0	0,10 0,01	92 81	2.0 2.0	27 27	9.50 0.61
7	H1-7	15 15	0.00	0.01 0.43	12	7.0 6.0	24 24	0.01 0.01		107 108 109	HT-12 HT-13	OF OF	0.00	0.01 0.10 0.20	22 64	3.0 3.0 2.0	99 13	0.01 0.01 0.01
10	N1-10	T\$ T\$	0.00 0.00	9.30 0.10	17	7.q 2.0	5	0.01 0,01	•	110	<i>i</i> 7-10	OF	0.00	0.01	17	1.0	25	0.01
11	Ht-11	of.	9.00	0.01	10 10	2.0 3.0	5	0.01 0.01	•	111 112	N7-15 N7-16	ÖF ÖF	0,00 00.0	0.91 0.10	52 118	1.0 5.0	13 18	0.01 0.01
12 13	#1-12 #1-13	OF OF	9.00 9.00	0,10	20	5.0	19	0.01		113	勝-l 形-2	TO To	0.66	0.10 0.01	tu tz	1.0 3.0	23 24	9,10 9,10
15	Rt-14 H1-15	OF OF	0.0) 0.09	0.01 0.01	98 17	2.0	\$ \$	10.0 10.0		115 116	16-3 16-1	178 178	0.00	0.01 0.29	39 38	4.0 4.0	23 33	0.01
16 17	H1-14 H2-1	DF TS	0.00	0.20 0.10	18 18	6.1 2.0	31 35 47	0,61 0,01 0,01		117	思う	TB TB	0.00	0.01 0.23	72	2.0	19 50	0.01
18 19 70	12-3 12-3	OF OF	0.00 0.00 0.00	0.20 0.23 0.01	33 25	2.0 5.0 5.0	31 16	0.01		119	H8-7 H8-8	T\$	0.00	0.10	Š	2.0	ĵi S	0.01
21	12-5	OF	0.69	0.01	36	5,0	10	0.01		121	16-9	OF.	0.09	0.20	157	3.0	48	0.01
22 23	12-6 12-7	OF OF	0.00 0.00	0.10	25 57	5.0 2.0	53	0.01 0.91		122 123	MS-10 MS-11	OF OF	0.00 0.00	0,01 0.10	187 38	1.0 10.0	(3 733	0.01
24	12-3	OF OF	0.00	9.20 9.01	64 50	6.0 2.0	\$3 38	6.01 6.01		124 125	MB-12 M0-13	DF DF	0.00 0.00	0.29 0.10	56 61	3.0 2.0	36 21	0.01 0.01
26 27	12-16 2-11	OF OF	0,00	9.10 9.29	\$4 79	2.0 L.0	\$1 \$4	0.01 0.01		125 127	16·11 16·15	DF OF	0.90 0.08	0.61 0.01	35 45	6.0 2.0	19 20	0.01 0.10
29 29	/2-12 F2-13	OF DF	0.00 0.00	6.10 0.01	48 12	3.0 7.0	45 13	9.01 0.01	-	128 129	HB-18 H9-1	OF .	0.00 0.00	0.29 0.91	78 69	5.0 2.0	50 56	9.01
à	70-14	S#	2,03	9.10	39	4.0	12	10.0	, .	130	M9-2	F	0,00	0,01	23	\$.0	17	0.01
31 32	12-15 12-16	DF DF	0.00 00.0	0.10 0.01	(1 38	5.0	79 29	0.01 0.01		151 132	H9-5 H9-6	OF OF	0.00	9.10 9.10	27 28	3.0 3.0	26 16	0,01 0,01
33 34	N3-1 N3-2	OF OF	0.00 D0.0	0.01 0.29	20 29	4.0 5.0	11 . 12	0.01 0.01		133	169-5 169-5	0. 0.	0.00 0.00	10.0 04.0	46 19	3.0 4.0	12	0,01 0.01
35 35	#3-1 #3-4	OF OF	0.00	0.01 0.20	47 25	6.0 5.0	16 16	0.01 0.01		135 136	19-7 19-8	OF OF	0.00 0.00	0.10 0.30	34 28	3.¢	31 18	0.01
37 33	N3-5 N3-6	of of	0.00	0.01 0.01	28 41	3.0 6.0	11 29	0.10 0.01		157 158	19-9 19-10	OF OF	0.00 0.00 0.00	0.51 0.20 0.01	174 148 76	5.0 1.0 3.0	% 62 38	0,01 0,01
13 23	X3-7 IG-3	OF OF	0.00 0.00	0.30 0.91	24 71	11.0 7.0	30 23	9.01 9.01		139 140	19-11 19-12	Œ	0.00	0.01	31	1.0	22	0.01 0.01
41	16-10	13 NE	0,00 9,0	0:.0 10.0	17 35	5.0 4.0	20 23	0.10 0.01		161 142	HP-13 HP-14	OF OF	0.00 0.00	9.10 6.01	103 32	3.0 7.0	24 19	0,01 0.91
13	73+11	0F 15	0,60	0.01 0.61	37 32	3.0 2.0	28	0.01 0.03		163	#9-15 #9-16	OF OF	0.00	0.29 0.01	29 29	1,0 2.0	12 14	0.01
44	NS-13	95 95 95	0.00	9.01 0.10	97 15	8.0 4.0	18 34	0.01 0.01	-	145	M10-1	QS DF	0.00	0.10 0.23	44 30	2.0 2.0	28 31	0.01
46 17 18	13-14 13-15 15-15	DF DF	0.00	0.30	60 51	5.0 2.0	31 27	0.10 9.01		147	M10-3	OF OF	0.00	9.10 0.23	25	3.0 2.0	30 32	9.01
9	M-1 M-2	OF OF	0.00 0.00	0.10 9.01	28 39	5.0 2.0	36 34	9.01 9.01		169 150	M10-5 M10-6	OF OF	0.00 0.00	0.20 0.10	12 53	3.0 0.1	39 34	0.01 0.61
ÙT.	ç	oo MTR	anters	DI GEOGRA	anical say	લુદા નન				ch		ee METAL	. 024112415	Of 8600%	enical sa	7PLES +++		
f. 0.	Samele										Sample	Seol,				~		
·-	¥1.	Geol. Bair	Au son	Aq DCM	Cu	Ph book	Žn pow	70 pos		Şer. Yo.	No.	Unit	Au 1903	14 500	Cu pose	. Pb poe	Zn D2mi	
51	₹0. (%-3	Geol. Unit	900 900		999 25	2.0	psm 15	9.01		%0. 151	%6. n10-7	DF DF	993 0.83	0.10	79 4	3.0	₽2# 21	1.0
572		ünit	0.00 0.00 0.00 0.00	0.01 0.10 0.10	25 13 12	2.0 0.1 3.0	15 41 21	9.01 0.01 0.01		%o. 151 152 153	70-7 710-8 710-9	Unit OF OF OF	593 09.0 09.0 09.6	0.10 0.01 0.20	18 71 41	3.0 1.0 2.0	21 61 22	0.0 0.0 0.0
52 53 54	勝弓 飛弓 飛弓 飛弓	OF OF	0.00 0.00 0.00 0.00 0.00	0.01 0.19 0.19 0.20 0.19	25 13 12 10	2.0 0.1 3.0 5.0 7.0	15 41 21 31 42	9.01 0.01 0.01 0.01 0.01		%0. 151 152 153 154 155	70-7 710-8 710-9 710-10 710-11	Unit OF OF OF OF	0.00 0.00 0.00 0.00 0.00	0.10 0.01 0.20 0.10 0.01	18 71 41 23 28	3.0 1.0 2.0 2.0 3.0	21 61 22 27	0.0 0.0 0.0 0.0 0.0
20 20 20 20 20 20 20 20 20 20 20 20 20 2	バ・3 バ・4 バ・5 バ・3	OF OF OF	0.00 0.00 0.00 0.00 0.00 0.00	0.01 9.19 0.19 0.20 0.19 0.01	25 13 12 10 57 31	2.0 0.1 3.0 5.0 7.0 5.0 1.0	15 41 21 31 42 47	9.01 10.0 10.0 10.0 10.0 10.0 10.0		151 152 153 154 155 156 157	70-7 719-8 719-9 719-10 719-11 719-12 719-13	Unit OF OF OF OF OF	998 0.60 0.09 0.00 0.00 0.00 0.00 0.00	0.10 0.01 0.20 0.10 0.01 0.01	18 71 41 23 23 23 133	3.0 1.0 2.0 2.0 3.0 2.0 1.0	21 61 22 27 27 14 21	0.0 0.0 0.0 0.0 0.0 0.0
12 12 12 12 12 12 12 12 12 12 12 12 12 1	勝弓 飛弓 飛弓 飛弓 飛弓 飛弓 飛弓	OF OF OF OF OF OF OF	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01 9.19 0.19 0.20 0.19 0.01 0.01 0.01	25 13 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	2.0 0.1 3.0 5.0 7.0 5.0 1.0 4.0 6.0	15 41 21 31 42 47 12 29 38	9.01 0.01 0.03 0.01 0.01 0.01 0.01 0.10		%0. 151 152 153 154 155 156 157 158	70-7 719-8 719-9 719-19 719-11 719-12 719-13 719-14 719-15	Unit OF OF OF OF OF OF	698 0.00 09.00 00.00 00.00 00.00 00.00	0.10 0.01 0.20 0.10 0.01 0.01 0.01 0.10 0.10	18 71 41 23 24 23 133 61 71	3.0 1.0 2.0 2.0 3.0 2.0 1.0 0.1 3.0	21 61 22 27 27 14 21 28 29	0.0 0.0 0.0 0.0 0.0 0.0 0.0
12 13 15 15 15 15 15 15 15 15 15 15 15 15 15	所・3 所・5 所・5 所・6 所・9 所・11 所・12	OF OF OF OF OF OF OF	0.00 0.00 0.00 0.00 0.60 0.60 0.00 0.00	0.01 0.19 0.19 0.20 0.19 0.01 0.01 0.01 0.01	25 43 42 40 58 33 58	2.0 0.1 3.0 5.0 7.0 5.0 1.0 4.0 4.0	15 41 21 31 42 47 12 29 35	9.03 0.01 0.05 2.01 0.61 0.01 0.01 0.01 0.01		%0. 151 152 153 154 155 156 157 158 159	70. 710-7 710-8 710-9 710-10 710-13 710-14 710-15	Unit OF OF OF OF OF OF OF	958 0.60 0.09 0.00 0.00 0.09 0.00 0.00 0.00	0.10 0.01 0.20 0.10 0.01 0.01 0.10 0.10	18 71 41 23 24 23 133 61 71	3.0 1.0 2.0 2.0 3.0 2.0 1.0 0.1 3.0 2.0	21 61 22 27 27 16 21 28 29	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0
10 10 10 10 10 10 10 10 10 10 10 10 10 1	所・5 所・5 所・5 所・5 所・7 所・7 所・7 所・10 所・11 所・12 所・13	or or or or or or or or or or or or or o	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01 0.19 0.19 0.20 0.19 0.01 0.01 0.01 0.01 0.01 0.18	25 43 42 40 57 58 58 53 58	2.0 0.1 3.0 5.0 7.0 5.0 1.0 4.0 4.0 4.0 4.0	15 41 21 31 42 47 17 12 29 36 16	9.01 0.01 0.01 9.01 0.01 0.01 0.01 0.01		%o. 153 152 153 154 155 156 157 158 159 160	70. 710-7 710-8 710-9 710-13 710-13 710-13 710-15 710-15 711-1 711-1	Unit DF OF OF OF OF OF OF OF OF	29.0 (9.0 (9.0 (9.0 (9.0 (9.0 (9.0 (9.0 (0.10 0.01 0.20 0.10 0.01 0.01 0.01 0.10 0.10	18 71 41 28 28 23 133 61 71 79	3.0 1.0 2.0 2.0 3.0 2.0 1.0 0.1 3.0 2.0	21 61 22 27 21 14 21 28 29 30	0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.1
经现代的 经过程的 经经过转换	所・3 所・5 所・5 所・9 所・10 所・12 所・13 所・13 所・15	ent or or or or or or or or or	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01 0.19 0.19 0.20 0.19 0.01 0.01 0.01 0.01 0.01 0.01 0.10 9.18	25 43 42 40 42 40 42 58 58 58 58 58 59 59 51 50 51 51 52 53 53 54 54 54 54 54 54 54 54 54 54 54 54 54	2.0 0.1 3.0 5.0 7.0 5.0 1.0 4.0 4.0 4.0 4.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5	15 41 21 31 42 47 12 29 36 16	9.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01		%o. 151 152 153 154 155 156 157 158 160 161 162 163 164	70. 710-7 710-8 710-10 710-12 710-13 710-14 710-15 710-16 711-1 711-2 711-3 711-4	Unit DF OF OF OF OF OF OF OF OF OF	898 69.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0	0.10 0.01 0.20 0.01 0.01 0.01 0.01 0.10 0.10	18 71 41 23 24 23 133 61 71 39	3.0 1.0 2.0 2.0 3.0 2.0 1.0 0.1 5.0 2.0	21 61 22 27 27 14 21 28 29 29 30 27 31 58	0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.0 0.0
100 100 100 100 100 100 100 100 100 100	所元子 13 14 15 16 17 17 17 17 17 17 17 17 17 17 17 17 17	Section of the sectio	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01 0.19 0.19 0.20 0.10 0.01 0.01 0.01 0.01 0.10 9.18 0.01 0.01 0.01 0.01	25 43 42 40 47 48 58 58 58 58 58 58 58 58 58 58 58 58 58	2.0 0.1 3.0 5.0 7.0 5.0 1.0 4.0 4.0 4.0 4.0 5.0 3.0 3.0 2.0 2.0 2.0	15 41 21 31 42 47 12 27 35 48 33 29 31 27 26	9.01 0.01 0.01 9.01 0.01 0.01 0.01 0.01		151 152 153 154 155 156 157 159 160 161 162 163 164 166	70. 710-7 710-8 710-10 710-11 710-12 710-13 710-14 710-15 711-2 711-3 711-4 711-6	Unit OF OF OF OF OF OF OF OF OF O	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.10 0.01 0.20 0.10 0.01 0.01 0.10 0.10	18 11 41 23 23 133 61 71 39	3.0 1.0 2.0 2.0 3.0 2.0 1.0 0.1 3.0 2.0 0.1 5.0 2.0 2.0	21 61 22 27 21 14 21 28 29 30 37 31 37	0.0 0.0 0.0 0.0 0.0 0.1 0.0 0.1 0.0 0.0
经现代的 经现代的 经经济的 经经济的 经经济的 医多种性 医多种性 医多种性 医多种性 医多种性 医多种性 医多种性 医多种性	所が、100円 100円 100円 100円 100円 100円 100円 100円	enit enit enit enit enit enit enit enit	0.00 0.00 0.00 0.50 0.50 0.00 0.00 0.00	0.01 0.19 0.19 0.20 0.19 0.01 0.01 0.01 0.01 0.18 0.01 0.19 0.01 0.07 0.07	25 43 42 40 47 58 58 58 58 59 59 59 59 59 59 59 59 59 59 59 59 59	2.0 0.1 3.0 5.0 5.0 1.0 4.0 4.0 4.0 4.0 4.0 3.0 5.0 3.0 4.0 2.0 2.0 2.0	15 41 21 31 42 17 12 27 38 16 33 29 31 27 28 33 33 33 33 34 34 35 35 35 36 37 37 38 38 38 38 38 38 38 38 38 38 38 38 38	9.01 0.01 0.01 9.01 0.01 0.01 0.01 0.01		%o. 151 152 153 154 155 156 157 159 160 161 162 163 164	70. 710-7 710-8 710-10 710-11 710-12 710-13 710-14 711-13 711-2 711-3 711-4 711-5	Unit DF OF OF OF OF OF OF OF OF OF	1930 1930 1930 1930 1930 1930 1930 1930	0.10 0.20 0.20 0.01 0.01 0.01 0.01 0.10 0.10	18 71 23 24 23 133 61 71 39	3.0 1.0 2.0 2.0 3.0 2.0 1.0 0.1 3.0 2.0 0.1 6.0 3.0 2.0	21 61 22 27 11 21 22 29 29 27 39 39	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
双环 经现代证券 医多种性 医多种性 医多种性 医多种性 医多种性 医多种性 医多种性 医多种性	所4-5 所4-5 5-5 7-3-9 10-11 11 11 11 11 11 11 11 11 11 11 11 11	Section Sectio	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01 0.19 0.19 0.20 0.10 0.01 0.01 0.01 0.01 0.19 9.19 9.1	25 43 42 40 42 40 43 58 58 58 59 59 59 59 59 59 59 59 59 59 59 59 59	2.0 0.1 3.0 5.0 7.0 5.0 1.0 4.0 4.0 4.0 4.0 4.0 2.0 2.0 2.0 3.0 3.0 3.0 4.0 4.0	15 41 21 31 42 17 12 27 35 16 33 29 51 27 28 29 51 27 28	9.01 0.01 9.01 9.01 9.01 0.01 0.01 0.01		153 152 153 154 155 157 158 157 160 161 162 163 164 166 166 167	70. 710-7 710-8 710-9 710-13 710-13 710-13 710-15 711-10 711-1 711-2 711-3 711-7 711-8 711-1	Unit DS OF OF OF OF OF OF OF OF OF OF OF OF OF	0.63 0.09 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.10 0.21 0.21 0.21 0.01 0.01 0.10 0.10	18 71 41 22 23 23 33 61 71 39 44 46 75 28 45 95 68 35 72	3.0 1.0 2.0 3.0 2.0 3.0 2.0 0.1 3.0 2.0 0.1 5.0 2.0 3.0 2.0 0.1 5.0 2.0 3.0 2.0	21 61 22 27 21 21 28 29 30 31 31 33 33 34 35 35 31 35 35 37	0.00 0.00 0.00 0.00 0.00 0.01 0.00 0.00
双环球球球球球球球球球球球球球球球球球球球球球球球球球球球球球球球球球球球球	所有。 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	PART OF THE PART O	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01 0.19 0.19 0.29 0.01 0.01 0.01 0.10	25 43 42 43 42 43 43 43 43 43 43 43 43 43 43 43 43 43	2.0 0.1 3.0 5.0 7.0 5.0 1.0 4.0 4.0 4.0 4.0 3.0 2.0 2.0 2.0 2.0 3.0 2.0 2.0 3.0 2.0 3.0 3.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	15 41 21 31 42 47 12 27 35 11 23 23 23 23 24 24 25 25 27 26 27 28 28 29 29 20 20 21 21 21 21 21 21 21 21 21 21 21 21 21	9.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01		50. 151 152 153 154 155 155 157 158 159 160 161 162 163 164 165 166 167 170 170	10. 10-7 min-1 min	Unit Unit OF OF OF OF OF OF OF OF OF OF OF OF OF	983 0 (9) 0 0 (0) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.10 0.21 0.21 0.21 0.01 0.10	18 71 41 22 23 23 133 131 71 77 79 44 46 75 28 43 75 84 84 85 85 85 85 85 85 85 85 85 85 85 85 85	3.0 1.0 2.0 2.0 3.0 2.0 1.0 2.0 2.0 2.0 2.0 2.0 3.0 2.0 2.0 3.0 2.0 2.0 3.0 2.0	21 61 22 77 114 21 29 29 30 31 31 32 21 49 37 36 36 36 36 36 36 36 36 36 36 36 36 36	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
经分头方分分列的 的复数外级的行动的方 计程序	所以所以以外, 13-15-5-7-18-9-19-11-12-13-14-15-16-1-2-3-15-5-5-7-18-18-18-18-18-18-18-18-18-18-18-18-18-	Built See See See See See See See See See Se	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01 0.19 0.20 0.19 0.01 0.01 0.01 0.01 0.19 9.18 0.01 0.07 0.09	25 43 43 40 47 40 47 48 48 48 48 48 48 48 48 48 48 48 48 48	2.0 2.0 3.0 5.9 5.9 5.9 5.9 5.9 5.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	15 15 14 12 14 14 15 17 12 17 12 17 12 17 12 17 12 17 12 17 12 17 17 12 17 17 17 17 17 17 17 17 17 17 17 17 17	9.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01		50. 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 166 167 170 171 172 173 174 174 175 175 175 175 175 175 175 175 175 175	*** *** *** *** *** *** *** *** *** **	Unit Unit OF OF OF OF OF OF OF OF OF OF OF OF OF	938 0.60 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.19 0.20 0.01 0.29 0.01 0.10 0.10 0.10 0.10 0.10 0.10 0.1	18 11 13 22 23 23 33 61 75 34 46 75 34 34 46 75 34 46 75 34 46 75 46 46 75 46 46 46 46 46 46 46 46 46 46 46 46 46	3.0 1.0 2.0 2.0 3.0 0.1 3.0 0.1 5.0 5.0 2.0 3.0 1.0 2.0 2.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	27 7 7 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
经现代分别的 计超过转移的过程的 计记忆作品	所张州和汉林张州州林 林州州林西西西西西 的西西西西西西西西西西西西西西西西西西西西西西西西西	entity of the control	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01 0.19 0.19 0.00 0.01 0.01 0.01 0.01	2012 00 00 00 00 00 00 00 00 00 00 00 00 00	2.0 0.1 3.0 5.9 7.0 5.0 4.0 4.0 4.0 5.0 3.0 4.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	15 14 12 11 12 12 11 12 12 11 12 12 12 12 12	9.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01		50. 151 152 153 154 155 154 155 156 167 168 161 162 163 164 166 167 171 172 173 174 175 176 176	80. 10-7 10-8 10-9 10-9 10-9 10-9 10-9 10-9 10-9 10-9	Unit Unit Control of C	550 550 550 550 550 550 550 550 550 550	0.10 0.01 0.20 0.01 0.01 0.01 0.01 0.01	18 17 11 22 22 23 23 23 24 25 25 25 26 25	3.0 1.0 2.0 2.0 2.0 3.0 0.1 5.0 2.0 0.1 6.0 5.0 2.0 0.1 6.0 0.1 6.0 0.1 6.0 0.1 6.0 0.1 6.0 0.1 6.0 0.1 6.0 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0	21 61 22 77 77 14 21 28 27 77 89 35 51 17 77 52 52 52 52 52 52 52 52 52 52 52 52 52	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
经过多元分分分别的 计超过转移的行动的行 计经路线路行动	所张州湖及城外风风风 从从外外的场际的形式的 的过去式和过去分词 1112 111416111123 11151611111111111111111111111111111111	THE STATE OF	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01 0.10 0.20 0.20 0.19 0.01 0.01 0.01 0.01 0.02 0.02 0.02 0.02	TO TO TO THE SERVICE S	2.0 0.1 3.0 7.0 1.0 4.0 4.0 4.0 5.0 5.0 5.0 5.0 5.0 4.0 4.0 4.0 4.0 2.0 2.0 2.0 2.0 4.0 2.0 2.0 3.0 3.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	15 41 12 21 14 12 27 12 27 28 14 27 28 28 28 28 29 19 19 19 21 22 26 8 8 4	9.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01		50	80. 10-7 10-3 10-11 10-1	Unit to the second of the seco	9.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.10 0.01 0.20 0.10 0.01 0.01 0.01 0.01	18	3.0 1.0 2.0 2.0 2.0 3.0 1.0 0.1 3.0 2.0 0.1 6.0 0.1 3.0 2.0 2.0 0.1 6.0 0.1 3.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	21 61 22 77 77 14 21 28 27 77 89 35 51 17 77 52 52 52 52 52 52 52 52 52 52 52 52 52	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
经过多元分分分别的 计超过转移的行动的 计范围作为指示器	所张州以宋林从林林、林林林林后后的市场。 的方面方面方面	ent of the control of	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01 0.19 0.20 0.19 0.01 0.01 0.01 0.01 0.01 0.01 0.0	2012 40 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	2.0 0.1 3.0 7.0 5.0 4.0 4.0 4.0 5.0 3.0 3.0 2.0 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	15 41 12 11 12 22 23 11 12 24 24 25 25 26 18 18 26 26 26 18 18 18 18 18 18 18 18 18 18 18 18 18	9.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01		50. 151 152 153 154 155 155 156 157 158 160 161 162 163 164 166 167 167 172 173 174 175 176 177	80. 810-7 710-8 710-17 710-8 710-17 7	Unit of the control o	5:50 0.00	0.10 0.11 0.22 0.10 0.11 0.11 0.10 0.10	18	3.0 1.0 2.0 2.0 2.0 1.2 0.1 3.0 2.0 0.1 5.0 2.0 0.1 5.0 2.0 0.1 3.0 2.0 0.1 3.0 2.0 0.1 3.0 2.0 0.1 3.0 2.0 0.1 3.0 2.0 0.1 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	21 61 22 77 77 14 12 28 29 29 27 17 18 18 18 18 18 18 18 18 18 18 18 18 18	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
经对外分分分别的 机放送外路站行动的方 计程序化序设计程序码 机	所以所以以外以外,	A SECTION OF THE SECT	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01 0.19 0.20 0.01 0.01 0.01 0.01 0.01 0.01 0.01	TO THE SERVICE	2.0 0.1 5.9 7.9 5.0 1.0 4.0 4.0 4.0 4.0 2.0 2.0 2.0 2.0 2.0 4.0 4.0 2.0 2.0 2.0 2.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	15 41 21 11 12 22 23 14 15 25 25 26 15 16 25 25 26 15 17 26 26 26 26 26 26 26 26 26 26 26 26 26	9.01 9.01		50. 151 152 153 154 155 156 157 158 159 160 161 162 163 164 1656 166 177 172 173 175 177 178 177 178 179 170 178 170 178 179 170 170 171 171 172 173 174 175 175 176 177 178 179 179 170 170 170 170 170 170 170 170 170 170	50. 510-7 510-8 510-7 510-8 510-9 510-10	Unit to Section 1. The section 1. Th	FRE	0.10 0.21 0.22 0.10 0.01 0.10 0.10 0.10	18 11 11 23 23 23 23 23 24 17 17 37 24 16 15 24 16 15 24 16 16 16 16 16 16 16 16 16 16 16 16 16	3.0 1.0 2.0 2.0 2.0 3.0 1.0 1.0 2.0 0.1 3.0 2.0 2.0 0.1 3.0 2.0 0.1 3.0 2.0 0.1 3.0 2.0 1.0 2.0 3.0 2.0 3.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	21 61 61 61 62 27 77 77 77 77 77 77 77 77 77 77 77 77	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
双野外方列外部外的 的复数外路的行动的方 计允许化方指存储物 机双移	所以外外以外外的 以外,不是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	THE SOCIETY SETTINGS TO SECTION SECTIO	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01 0.19 0.20 0.01 0.01 0.01 0.01 0.01 0.01 0.01	TO THE SERVICE	2.0 0.1 5.9 7.9 7.9 7.9 7.9 7.9 7.9 7.9 7.9 7.9 7	15 15 17 11 12 11 11 11 12 17 17 12 17 17 12 17 17 17 17 17 17 17 17 17 17 17 17 17	9.01 9.01 9.01 9.01 9.01 9.01 9.01 9.01		151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 167 177 178 177 177 178 179 177 177 178 179 177 177 178 189 180 180 180 180 180 180 180 180 180 180	50. 70-7 70-3 70-7 70-3 70-11 70-12 70-11 70-12 70-11 70-12 70-12 70-13 70-14 70-12 7	Unit to the control of the control o	FRE 200 (100 (100 (100 (100 (100 (100 (100	0.10 0.00 0.00 0.00 0.00 0.00 0.00 0.00	18 77 11 22 22 23 33 61 77 79 24 50 55 75 24 50 55 75 24 50 55 75 75 86 55 75 75 86 55 75 75 86 55 75 75 86 55 75 75 86 55 75 86 55 75 75 86 55 75 75 86 55 75 75 86 55 75 75 86 55 75 75 86 55 75 75 86 55 75 75 86 55 75 75 86 55 75 75 86 55 75 75 75 75 86 55 75 75 75 75 75 75 75 75 75 75 75 75	3.0 1.0 2.0 2.0 2.0 1.2 0.1 3.0 2.0 1.2 0.1 3.0 2.0 1.2 0.1 3.0 2.0 1.2 0.1 3.0 2.0 1.2 0.1 3.0 2.0 1.2 0.1 3.0 2.0 1.2 0.1 3.0 0.1 3.0 0.1 3.0 0.1 3.0 0.1 3.0 0.1 3.0 0.1 3.0 0.1 3.0 3.0 3.0 3.0 4.0 4.0 3.0 3.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	21 61 61 62 27 77 71 14 21 22 25 25 25 25 25 25 25 25 25 25 25 25	1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
双环头面外外外外 计超过外路处理的现在分词 计光线化设计程序 化双氯甲酚	所以外外的所以外的以外,从外外的形式的形式的形式的形式的形式的形式的形式的形式的形式的形式的形式的形式的形式的	100mm 100mm	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01 0.19 0.20 0.01 0.01 0.01 0.01 0.01 0.01 0.01	TO 11 2 OF THE STATE OF THE STA	2.0 0.1 5.9 5.9 1.0 1.0 4.0 4.0 4.0 4.0 4.0 2.0 2.0 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	15 11 21 11 12 27 15 15 17 12 25 25 25 18 27 19 19 21 22 22 28 18 34 7 13 5 16 22 29 11 13 5	9.01 9.01 9.01 9.01 9.01 9.01 9.01 9.01		151 152 153 154 155 155 156 157 158 159 160 161 162 162 163 164 165 167 177 178 180 181 182 183 184 184 185 184 185 185 185 185 185 185 185 185 185 185	50. 109-7 110-3 110-11 110-12 110-13 110-14 110-15 111-13	Unit to the control of the control o	5:00 0.00	0.10 0.20 0.20 0.10 0.01 0.01 0.10 0.10	18 11 12 22 25 15 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	3.0 1.0 2.0 2.0 2.0 3.0 2.0 1.2 0.1 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	21 61 61 62 27 77 71 14 21 22 25 52 53 53 53 54 54 55 54 55 55 64 55 55 65 65 65 65 65 65 65 65 65 65 65	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
双对外方分介的介绍 的复数外面的行动的方 计允许化设计分析的 机双式铁管铁矿	所以外外的外外的外外,从外外的形式的形式的形式形式形式形式形式形式形式形式形式形式形式形式形式形式形式形	THE THE THE SECTION OF THE SECTION O	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01 0.10 0.20 0.01 0.00 0.00 0.00 0.00	TOURSE BELLEVIEW OF THE STATE O	2.0 0.1 5.0 5.0 5.0 1.0 1.0 1.0 2.0 2.0 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	15 11 21 11 12 27 15 15 25 25 25 15 27 17 26 27 26 18 27 19 19 27 28 28 28 29 19 19 27 28 28 28 29 19 19 27 28 28 28 29 19 19 27 28 28 28 29 19 19 27 28 28 28 28 29 19 19 27 28 28 28 28 28 29 19 19 27 28 28 28 28 28 28 28 28 28 28 28 28 28	9.01 9.01		151 152 153 154 155 156 156 156 166 166 166 167 177 178 177 178 181 181 181 181 181 18	50. 109-7 110-3 110-13 110-13 110-13 110-13 110-13 111-13 11-13 111-13	Unit to the control of the control o	5:00 0.00	0.10 0.01 0.20 0.10 0.01 0.01 0.01 0.01	18	3.0 1.0 2.0 2.0 2.0 3.0 2.0 1.2 0.1 3.0 0.1 3.0 2.0 0.1 3.0 2.0 0.1 3.0 0.1 3.0 0.1 3.0 0.1 3.0 0.1 3.0 0.1 3.0 0.1 3.0 0.1 3.0 0.1 3.0 0.1 3.0 0.1 3.0 0.1 3.0 0.1 3.0 0.1 3.0 0.1 3.0 0.1 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	21 61 22 27 7 7 14 21 22 22 22 23 23 24 25 5 6 6 6 6 5 5 7 5 5 5 5 6 6 6 6 6 5 5 7 5 5 5 5	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
双环球球球球球 计放送外路处理器的 计光度化设计设计 机超级数据数据数据数据	所张州以深城城外成城 斯林州林斯特的西部市 的西西西部的西西西西西西西西西西西西西西西西西西西西西西西西西西西西西	· · · · · · · · · · · · · · · · · · ·	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01 0.10 0.20 0.01 0.00 0.00 0.00 0.00	TOURSE THE PROPERTY OF THE PRO	2.0 0.1 5.0 5.0 5.0 1.0 4.0 4.0 4.0 4.0 5.0 5.0 5.0 6.0 2.0 2.0 2.0 1.0 4.0 1.0 4.0 1.0 4.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	15 11 11 12 17 17 12 27 18 18 27 19 19 11 12 27 18 18 27 19 19 11 22 22 28 8 3 3 3 3 2 2 2 2 2 2 2 2 2 2	9.01 0.01 0.01 0.01 0.01 0.01 0.01 0.01		151 152 153 154 155 155 156 157 158 166 161 162 163 164 165 167 170 170 170 170 170 170 170 170 170 17	50. RIG-7 RIG-1 RI	Unit Unit Control of the Control of	\$2.00	0.10 0.20 0.11 0.20 0.10 0.10 0.10 0.10	18 11 12 22 22 23 25 61 17 77 24 46 75 28 55 72 46 65 58 66 58 58 66 66 58 66 66 66 66 66 66 66 66 66 66 66 66 66	3.0 1.0 2.0 2.0 2.0 3.0 2.0 0.1 3.0 2.0 0.1 3.0 2.0 0.1 3.0 2.0 0.1 3.0 2.0 2.0 1.0 2.0 1.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	21 61 22 27 77 14 12 28 29 29 25 21 15 15 15 15 15 15 15 15 15 15 15 15 15	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
双对外的分分列的 的复数外数的行动的方 计光路化路径存储物 化聚基酚医基环聚酚剂	所说的对话,我们就是我们的一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	THE PROPERTY AND AND AND AND AND AND AND AND AND AND	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01 0.19 0.19 0.19 0.19 0.19 0.19 0.19	TOURSE SEED STORES SEED SEED SEED SEED SEED SEED SEED S	2.0 0.1 5.0 5.0 5.0 1.0 1.0 1.0 1.0 1.0 2.0 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	15 14 2 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	9.01 9.01 9.01 9.01 9.01 9.01 9.01 9.01		151 152 153 154 155 156 166 166 166 166 170 170 170 170 170 170 170 170 170 170	50. 10-7 10-7 10-9 10-10 10-9 10-10	Unit Unit Control of the Control of	FS2 0.60 0.00	0.100 0.201 0.001	18 1 1 1 2 2 2 2 2 3 3 1 6 1 7 7 7 2 4 4 5 7 7 2 3 5 5 5 6 5 7 1 6 5 7 8 6 7 1 6 7	3.0 1.0 2.0 2.0 2.0 3.0 2.0 1.2 0.1 3.0 0.1 3.0 2.0 1.2 0.1 3.0 2.0 1.2 0.1 3.0 2.0 1.2 0.1 3.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	21 0 1 1 2 2 7 7 7 1 1 1 1 2 2 2 2 2 7 7 7 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
双对外方分分列的 计超越外级的行动的方 计光节化多位存储物的 机超越基础超越的	所提供的证明以外通讯 斯勒斯斯斯斯特的 医克勒氏病 医克勒氏病 医马克克氏病 医马克克氏病 医二甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基	的 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01 0.10 0.10 0.20 0.10 0.00 0.10 0.10	A COLOR OF A COLOR OF	2.0 0.1 5.0 5.0 5.0 1.0 4.0 4.0 4.0 4.0 5.0 5.0 5.0 5.0 6.0 2.0 2.0 2.0 1.0 4.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	15 11 21 11 12 27 11 12 27 11 12 27 11 12 27 11 12 27 11 12 27 11 12 27 11 12 27 11 11 12 27 11 11 11 12 11 11 11 11 11 11 11 11 11	9.01 9.01		151 152 153 154 155 155 155 155 155 155 155 155 155	50. 710-73 710-	Unit to the control of the control o	5:00 0.00	0.10 0.20 0.10 0.00 0.10 0.00 0.10 0.00 0.10 0	18 T T 1 1 2 2 2 2 2 3 3 1 6 1 7 7 7 2 4 4 5 7 7 2 4 5 7 2 4 5 7	3.0 1.0 2.0 2.0 2.0 3.0 2.0 1.2 0.1 3.0 2.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	21 612 77 7 14 12 22 25 27 18 28 25 18 28 25 18 28 25 18 28 25 18 28 28 28 28 28 28 28 28 28 28 28 28 28	0.000000000000000000000000000000000000
拉马马克特马斯姆 计过三头路分钟码分词 计左右指令指示符制 机双马头路延行动物 外交叉头	所张州从深城外的高城,从水路外沿河的市场市场的市场市场市场市场市场市场市场市场市场市场市场市场市场市场市场市场市	ent construction of the co	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01 0.10 0.10 0.10 0.10 0.10 0.10 0.10	TOURSE BEAUTION OF THE PROPERTY OF THE PROPERT	2.0 0.1 5.0 5.0 5.0 5.0 5.0 1.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	15 11 21 11 22 11 12 22 23 11 11 22 23 24 24 24 24 24 24 24 24 24 24 24 24 24	9.01 9.01		151 152 153 154 155 156 160 161 162 163 164 166 166 167 177 177 177 177 177 177 177	50. 719-7 710-3 710-1 7	Unit to the control of the control o	5:83 0.93 0.93 0.90	0.101 0.201 0.101	1877年28年27日 1877年	3.0 1.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	21 61 2 2 7 7 7 14 11 22 22 22 23 17 18 21 22 22 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25	0.000 0.000
双环状态的环境 计放射性 医多种性 医多种性 医多种性 医多种性 医多种性 医多种性 医多种性 医多种	所张州以宋州从外州城 从北州州州市省市市市省 的市场市场市场市场市场 有种的特殊市场市场的 的市场市场市场市场市场市场市场市场市场市场市场市场市场市场市场市场市	en company de company	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.01 0.10 0.10 0.20 0.10 0.01 0.10 0.10	TOUR LANGUAGE STATES OF ST	2.0 0.1 5.0 5.0 5.0 5.0 1.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	15 11 21 11 12 27 11 12 27 11 12 27 11 12 27 11 12 27 11 12 27 11 12 27 11 12 27 11 11 12 27 11 11 11 12 11 11 11 11 11 11 11 11 11	9.01 9.01 9.01 9.01 9.01 9.01 9.01 9.01		151 151 151 151 151 151 151 151 151 151	50. 10-7 110-7 110-9 110-110-110-110-110-110-110-110-110-110	Unit to the control of the control o	5:20 0.00	0.100 0.011 0.001	18 T T 1 1 2 2 2 2 2 2 3 3 6 1 7 7 7 4 4 6 7 2 8 5 7 7 6 6 5 5 8 6 7 7 6 6 5 5 8 6 7 7 6 6 5 5 8 6 7 7 6 6 5 5 8 6 7 7 6 6 5 5 8 6 7 7 6 6 5 5 8 6 7 7 6 6 5 5 8 7 7 6 6 5 5 8 7 7 6 6 5 5 8 7 7 6 6 5 5 8 7 7 7 6 6 5 5 8 7 7 7 6 6 5 5 8 7 7 7 6 6 5 5 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	3.0 1.0 2.0 2.0 2.0 3.0 2.0 0.1 3.0 2.0 0.1 3.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	21 61 22 77 71 11 11 28 25 25 27 11 12 28 25 25 25 25 25 25 25 25 25 25 25 25 25	0.0 0.0 0.0 0.0 0.0 0.0 0.0

	Samele No.	Seol. Unit	SOME Pril	. 149 1500	post 1	P\$ P29	čn P pu	70 994 P40
201	113-4	0F	0.00	0.13	59	2.0	45	0.10
NŽ	H13-10	(F	0.00	0.10	129	3.0	62	0.01
213	H13-11	DF MC	9.99	0.Q1 0.10	25 29	4.0 3.0	80 18	0.Q1 0.Q1
2014 2015	M13-12 M13-13	OF OF	0.00 0.00	0.10 0.20	113	5.0 6.0	· 51	9.01
205	M13-11	OF	0.00	0.10	83	1.0	is	0.01
207 207	N13-15	OF.	0.00	0.10	ü	1.0	43	0.01
203	M13-16	ĢF	0.00	ō.10	2	2.0	10	0.61
207	HIE-I	ÖF	0.00	0.03	79	3.0	52	0.01
210	4J1-5	OF	0.00	9,10	58	3.0	84	0.23
211	M(6-3	OF OF	0.00	9.01	51 39	4.8 1.0	44 33	9.01 0.01
212 213	M14-2	OF	0.00 0.00	0.10 0.10	23	3.0	20	0.61
214	alt-6	OF.	9.00	0.10	ã	4.0	59	0.01
215	M16-7	OF:	0,00	0.10	63	2.0	59	0.01
216	414-6	OF	0.00	6.01	110	4.0	121	19.0
217	M14-9	DF	0.00	0.01	48	3.0	37	0.01
218 219	#(4-10 #(4-11	OF OF	0.00 60.0	0.01 0.26	89 53	3.0 2.0	90 22	0,01 0.01
220	H14-12	Œ	0.00	0.01	ñ	2.0	ü	0.01
221	M16-13	Ģ€	0.00	5.60	23	7.0	18	9.01
222 223	#14-16 #16-15	ÇF De	0.00 9.00	0.60 0.30	30 23	7.0 6.8	19 21	0.31 0.81
221	MIE-16	0F	0.00	0.20	52	6.0	78	0.01
23	1115-1	OF	0.00	0.30	r?	5.0	71	0.61
225	M5-2	OF	6.03	0.30	37	6.0	:3	0.01
22 7	H15+3	0F	0.03	0.30	82	5.0	79	6.20
225	113~4	Œ	0.00	0.10	39	3.0	\$1	0.20
229 230	n1\$-5 n1\$-6	OF OF	0.00 20.0	0.50 0.59	23 121	1.0	31 53	0.20 0.61
231	M5-7	0F	0.63	0.20	73	4.0	76	9.01
232	#15-8	Œ	0.00	0.29	51	3.¢	\$6	0.01
233	K15~9	OF No.	0.00	0.20	27	3.0	29	9.01
254 255	#15-10 #15-11	DF ⊕7	0.99 0,03	0.20 8,20	35 54	0.1 2.0	31 69	0.01 0.01
238 238	H15-12	OF	4.00	0,01	34	5.0	24	0.01
237	M35-13	0F	0.69	0.01	57	3.0	72	0.20
233	N15-16	OF	0.00	0.10	35	5.0	ш	9.91
239 240	R15-15 R15-16	OF	0.00 0.00	0.39 0.20	26 24	5.0 3.0	22 35	0.01 6.01
241	H16-1	OF	0.00	0.01	25	3.0	35	0.01
262	m16-2	Œ	0.00	0.23	30	3.0	33	0.01
243	MT6-3	Œ	0.00	0.20	41	2.0	65	0.01
264	ħlò-∔	DF	0.02	0.23	55	3.0	33	0.01
245	#16+5 #16+6	OF DF	0.00 0.00	0.20 0.30	8 85	1.0 0.1	31 17	9.01 0.01
245 247	nto-o	OF	0.00	9.20	53 53	7.0	47	0.01
248 248	Hid-3	OF	0.00	0.23	23	3.0	11	9,01
219								1.91
(+7	h16-9	OF.	0.00	0.01	21	0.1	23	
24	116-15)F	0.60	0.C1 0.10	16	5.0	19	0.01
	H16-15	3 F		0.10	18	5.0	19	
754 - 24 er.	H16-15	3 F	0.60	0.10	18	5.0	19	
254 - 24 er.	M16-15 S Sample Ma.	of early Gool.	0.69 L CONTENTS Au	0.10 IN GEOCHE Ag	18 BICAL SAN	5.0 PLSS +	19 Zn	0,01 70
250 er. 16. 251 252	M16-15 Sample No. 715-11 H16-12	Gool. Unit OF	0.69 L CONTENTS Au pose 0.00 0.00	0.10 Ps 4200×8 Aq pos 0.01 0.10	18 Cu 999 18 32	70 ppa 2.0 5.0	7n poss 25 25	70 929 9.91 9.01
250 er. 251 252 253	Same No. 715-11 H15-12 H16-13	Geol. Unit OF OF	0.69 Au pose 0.00 0.60 0.60	0.10 EX GEOCHE A9 pea 0.01 0.10 0.20	18 Cu 950 18 32 26	70 PLSS REPO PD PRO 2.0 5.0 6.0	70 post 25 24 28	0.01 70 929 0.01 0.01
250 er. 10. 251 251 251 251	M16-15 Sample No. M5-11 M16-12 M16-13 M16-14	Geol. Unit OF OF	0.69 Au pose 0.00 0.60 0.00 0.00 0.00	0.10 Ex GEOCNE Aq pose 0.01 0.10 0.20 0.10	18 32 24 28	70 PLSS scene PD PMS 2.0 6.0 4.0 2.0	75 25 26 28 25	70 929 9.91 0.01 0.03
254 er. 60. 251 251 251 251	M16-15 Sample As. A15-11 H18-12 N16-13 N16-14 M15-15	Geol. Vait OF OF OF	0.69 L CONTENTS Au	0.10 PS GEOCHE Aq peas 0.01 0.10 0.20 9.10 0.50	18 CAL SAN CAL SAN CAL SAN 22 24 28 27	70 pos 2.0 6.0 2.9 4.0	75 25 26 28 25 37	70 929 9.91 0.01 0.01 8.01 0.01
754 - 24 - 25 - 25 - 25 - 25 - 25 - 25 - 25 - 25	M16-15 Sample As. A15-11 H15-12 H16-13 H16-14 H15-15 H15-15 H16-16	OF PETA GOOL. Unit OF OF OF OF	0.99 Au pose 0.00 0.00 0.00 0.00 0.90 0.90 0.90	0.10 IN GEOCHE Ag pose 0.01 0.10 0.20 9.10 0.50 0.01	18 Cu 9800 18 32 24 28 27 71	750 PLSS Remains PD PMB 2.0 6.0 2.0 4.0 2.0	25 26 28 25 37 84	0.01 70 929 0.01 0.01 0.03 8.03 0.01
250 er. 160. 251 253 254 255 255 256	Mi6-15 Sample Max. Mi6-12 Mi6-12 Mi6-13 Mi6-14 Mi5-15 Mi6-16 Mi7-1	OF PETA GOOL Unit OF OF OF OF OF	0.59 Au ppss 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.10 PX GEOCHE PCOS 0.01 0.10 0.20 0.50 0.50 0.01 0.01	18 Cu SAN Cu 9988 18 32 24 28 27 71 25	70 pon 2.0 6.0 6.0 2.0 3.0	25 25 28 25 37 64 31	0.01 70 929 0.01 0.03 8.03 0.01 0.01
250 er. 251 251 251 251 251 251 251 251 251 251	Mi6-15 Sample Ma. Mi6-12 Mi6-13 Mi6-14 Mi6-15 Mi6-16 Mi7-1 Mi7-1 Mi7-2	George Services of the service	0.59 Au ppa 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.10 IN GEOCHE A9 0.01 0.10 0.20 9.10 0.50 0.01 0.70 0.70 0.70 0.70 0.70 0.70	18 SCAL SAM Cu 9800 18 32 24 28 27 71 25 12	70 pm 2.9 6.0 4.0 2.9 3.0 2.9	25 26 28 25 37 84	0.01 70 929 0.01 0.01 0.03 8.03 0.01
250 er. 60. 251 253 254 255 255 255 255 255 255 255 255 255	Mi6-15 Sample Max. Mi6-12 Mi6-12 Mi6-13 Mi6-14 Mi5-15 Mi6-16 Mi7-1	OF PETA GOOL Unit OF OF OF OF OF	0.59 Au ppss 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.10 PX GEOCHE PCOS 0.01 0.10 0.20 0.50 0.50 0.01 0.01	18 Cu SAN Cu 9988 18 32 24 28 27 71 25	70 pon 2.0 6.0 6.0 2.0 3.0	25 25 28 25 37 64 31	0.91 70 929 0.91 0.01 0.01 9.91 0.01 0.01
754 - 24 - 25 - 25 - 25 - 25 - 25 - 25 - 25 - 25	816-19 Sample 82. 216-11 116-12 116-13 116-14 117-1 117-2 117-3 117-4	GF OF OF OF OF OF	0.69 Au pow 0.60 0.60 0.90 0.90 0.90 0.90 0.90 0.90	0.10 N 4000-6 A9 0.01 0.10 0.20 9.10 0.50 9.01 0.20 0.20 0.20 0.20 0.20 0.20	18 Cu SAM Cu 9500 18 32 24 28 27 71 25 12 53 37 55 55	70 P0 P0 P0 P0 P0 P0 P0 P0 P0 P	75 25 26 28 27 31 57 54 57	0.01 70 929 0.01 0.01 0.01 0.01 0.01 0.01 0.01
754 - 75 - 75 - 75 - 75 - 75 - 75 - 75 - 75	#16-19 Sample #5. #16-13 #16-13 #16-13 #16-14 #16-15 #16-15 #16-15 #17-1 #17-2 #17-3 #17-6	OF PETA GOOL. Unit OF OF OF OF OF OF OF OF	9.69 Au ppe 9.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.10 IX 4500×6 A9 pos 0.01 0.10 0.20 0.50 0.20 0.20 0.20 0.10	18 SACAL SAM Cu 9500 18 SIZ 22 23 27 71 25 53 59 55 31	70 pps 2.9 6.0 2.9 4.0 2.0 3.0 2.0 3.0 2.0 3.9	75 25 28 25 27 37 48 31 57 56 79	0.01 70 929 0.01 0.01 0.01 0.01 0.01 0.01 0.01
754 - 75 - 75 - 75 - 75 - 75 - 75 - 75 - 75	M16-19 Sample As. A16-11 H16-12 H16-13 H16-13 H16-15 H17-1 H17-3 H17-4 H17-5 H17-5 H17-7	OF SETAN	9.59 Suprests 6.03 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.10 PX GEOCNE A9 D00 0.01 0.10 0.20 9.10 0.50 9.01 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20	18 SAN SAN Cu seem 18 32 22 22 22 27 71 26 12 25 37 57 56 31 27 27	70 Pb pon 2.9 6.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 3.0 2.0 3.0 4.0 2.0 3.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	75 25 28 28 27 64 31 57 64 79	0.01 70 978 8.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0
754 - 54 - 55 - 55 - 55 - 55 - 55 - 55 -	M16-19 Sample M5. M16-11 M16-12 M16-13 M16-14 M15-15 M17-1 M17-2 M17-3 M17-4 M17-5 M17-6 M17-7 M17-7	OF TETA	8.09 Au pose 8.09 0.09 0.09 0.09 0.09 0.09 0.00 0.	0.10 Pt 4500×5 A9 pee 0.0t 0.10 0.20 9.10 0.50 9.01 0.21 0.22 0.23 0.20 0.10 0.10 0.10	18 SCAL SAM Cu 9800 18 32 24 25 27 77 12 25 12 25 37 9 56 31 27 35 35	70 pm 2.9 4.0 2.9 4.0 2.0 3.0 2.0 3.9 4.0 2.0 2.0 2.0 2.0 2.0 3.0 2.0 2.0 2.0 3.0 4.0 2.0 3.0 4.0 2.0 4.0 2.0 3.0 4.0 2.0 3.0 4.0 2.0 4.0 4.0 2.0 4.0 4.0 2.0 4.0 4.0 2.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4	25 25 25 27 37 44 31 57 57 54 79	0.01 70 929 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0
254 - 24 - 25 - 25 - 25 - 25 - 25 - 25 -	M16-19 Sample As. A16-11 H16-12 H16-13 H16-13 H16-15 H17-1 H17-3 H17-4 H17-5 H17-5 H17-7	OF SETAN	0.69 Au POR 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.10 D1 4500+5 A9 pen 0.01 0.10 0.20 0.50 0.01 0.20 0.20 0.20 0.10 0.20 0.10 0.1	18 SAME SAME COL 9500 118 32 22 25 22 77 71 225 12 25 33 39 36 25 31 27 35 28 31 27 35 28 31 27 31 35 28 31 31 31 31 31 31 31 31 31 31 31 31 31	70 PD PD 2.9 6.0 2.0 3.0 2.0 3.0 2.0 3.0 2.0 3.0 2.0 3.0 2.0 3.0 2.0 3.0 2.0 3.0 2.0 3.0 2.0 3.0 2.0 3.0 2.0 3.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	25 26 28 25 37 56 57 71 12 26 55 29 29	0.01 70 928 8.01 0.01 0.01 9.01 0.01 0.01 0.01 0.01 0
254 - 254 - 255 255 255 255 255 255 255 255 255 2	M16-19 Sample No. A16-11 M5-13 M16-13 M16-13 M16-14 M16-16 M17-1 M17-1 M17-1 M17-1 M17-1 M17-1 M17-1 M17-1 M17-1 M17-1 M17-1 M17-1	OF GOOD OF OF OF OF OF OF OF OF OF OF OF OF OF	0.69 Au ppe 0.00 0.90 0.90 0.90 0.90 0.90 0.90 0.	0.10 IN GROUNE A9 DOB 0.01 0.10 0.20 0.50 0.20 0.20 0.20 0.20 0.10 0.30 0.10 0.30 0.10 0.30 0.10 0.30 0.10 0.30 0.10	18 SAM CAL SAM	70 pm 2.9 6.0 2.9 3.0 2.0 3.0 2.0 3.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	25 25 25 26 27 31 57 54 31 77 71 51 25 29 29 29 29 29 29 29 29 29 29 29 29 29	0.01 70 926 0.01 0.03 0.03 0.01 0.01 0.01 0.01 0.01
254 - 254 - 255 -	M16-19 Samole Ma. Samole Ma. M15-11 M15-12 M15-13 M15-15 M17-1 M17-1 M17-1 M17-1 M17-1 M17-1 M17-1 M17-1 M17-1 M17-1 M17-1 M17-1 M17-1 M17-1	OF SETA OF OF OF OF OF OF OF OF OF OF OF OF OF	0.69 Au PP® 0.00	0.10 IN GROCKE A9 poss 0.01 6.10 0.20 0.50 9.10 0.20 0.20 0.20 0.20 0.20 0.20 0.10 0.01 0.10 0.10	16 Cu 900 18 12 24 24 25 37 71 25 52 53 57 50 50 50 50 50 60 60 60 60 60	70 PLSS ***** 70 PM	75 22 28 27 7 64 31 1 26 5 27 28 28 27 28 28 27 28 28 28 28 28 28 28 28 28 28 28 28 28	0.01 920 9.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0
254 - 255 251 -	M16-19 Sample No. A16-11 M5-13 M16-13 M16-13 M16-14 M16-16 M17-1 M17-1 M17-1 M17-1 M17-1 M17-1 M17-1 M17-1 M17-1 M17-1 M17-1 M17-1	OF GOOD OF OF OF OF OF OF OF OF OF OF OF OF OF	0.69 Au ppe 0.00 0.90 0.90 0.90 0.90 0.90 0.90 0.	0.10 IN GROUNE A9 DOB 0.01 0.10 0.20 0.50 0.20 0.20 0.20 0.20 0.10 0.30 0.10 0.30 0.10 0.30 0.10 0.30 0.10 0.30 0.10	18 SAM CAL SAM	70 pm 2.9 6.0 2.9 3.0 2.0 3.0 2.0 3.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	25 25 25 26 27 31 57 54 31 77 71 51 25 29 29 29 29 29 29 29 29 29 29 29 29 29	0.01 70 926 0.01 0.03 0.03 0.01 0.01 0.01 0.01 0.01
250 251 251 251 251 251 251 251 251 251 251	Mi6-19 Sample Ma. Mi6-11 Mi5-12 Mi6-13 Mi5-13 Mi5-15 Mi7-1 Mi7-1 Mi7-1 Mi7-1 Mi7-1 Mi7-1 Mi7-1 Mi7-1 Mi7-1 Mi7-1 Mi7-1 Mi7-1 Mi7-1 Mi7-1 Mi7-1	OF PETA. Good . Good	9.69 Au Pose 9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.0	0.10 IN 400000 An possible of the control of the	18 CQ SAY CQ 9800 18 22 22 77 71 25 52 12 25 35 35 35 35 35 35 35 35 35 35 35 35 35	3.0 2.0 6.0 6.0 6.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7	19	70 978 0.01 0.02 0.03 0.03 0.03 0.03 0.03 0.03 0.03
750 - 751 -	Mi6-19 Sample 89. Mi5-11 Mi5-12 Mi5-13 Mi5-13 Mi5-14 Mi5-15 Mi7-1 Mi7-2 Mi7-3 Mi7-3 Mi7-1 Mi7-1 Mi7-1 Mi7-1 Mi7-1 Mi7-1 Mi7-1 Mi7-1 Mi7-1 Mi7-1 Mi7-1 Mi7-1 Mi7-1 Mi7-1 Mi7-1	OF TETA	0.69 Automotive (100 to 100 t	0.10 IN 4500-6 A9 0.01 0.10 0.20 0.50 0.01 0.20 0.20 0.10 0.10 0.20 0.10 0.1	18 Cu SW Cu SW Cu SW SW Cu SW SW Cu SW SW Cu SW SW Cu SW SW Su Su SW SW SW SW SW SW SW SW SW SW SW SW SW	3.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	79 25 25 25 25 25 25 25 25 25 25 25 25 25	70 920 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.
754 - 75 - 75 - 75 - 75 - 75 - 75 - 75 -	Mi6-19 Sample As. Mi5-11 Mi5-13 Mi5-13 Mi5-13 Mi5-14 Mi7-1 Mi7-15 Mi7-1	OF META GOOL Unit OF OF OF OF OF OF OF OF OF OF OF OF OF	0.99 Au	0.10 IN 4500-FE An 0.01 0.10 0.20 0.20 0.20 0.20 0.10	18 CAL SAY CAL SAN 18 TA 22 A 22 A 23 TA 24 A 25 TA 25 TA 26 TA 26 TA 27 TA 26 TA 27 TA 28 TA	3.0 PD 2.0 2.0 4.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	19	70 929 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0
250 mm. 2512	Mi6-19 Samote Ab. Mi6-11 Mi6-13 Mi6-14 Mi6-13 Mi6-14 Mi7-1 M	OF SEED OF SEE	0.59 Au	0.10 IN 4500-16 An more of 0.10 0.20 0.20 0.20 0.20 0.10 0.10 0.20 0.10 0	18 MICAL SAY Cu 18 TE 22 22 27 7 7 23 25 27 7 25 25 37 32 32 32 33 34 49 20 20 35 34 49	3.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	5 2 2 2 2 3 7 4 4 1 1 7 1 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.01 70 978 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0
26 - 26 - 27 - 27 - 27 - 27 - 27 - 27 -	#16-19 Sample #8: #16-11 #16-11 #16-12 #16-13 #16-15 #17-1 #17-5 #17-1 #18-1	GOOL . CHAIL OF GOOD O	0.99 L CONTEXTS Au Brown 0.00	0.10 IN 4500-FE 6 Ap	18 EXCAL SAY Co. 18 EX 22 27 77 26 22 27 77 26 22 27 77 26 22 27 77 26 27 27 27 27 28 27 27 27 28 27 27 28 27 27 28 27	3.0 Photosis remains a series of the series	5 2 2 2 2 3 7 4 4 1 1 7 1 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.01 70 900 0.01 0.01 0.01 0.01 0.01 0.01 0.01
254 - 275 or	X16-19 Sample An An An An An An An An An An An An An	OF TELAN OF SECULATION OF SECU	0.59 Au property 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	0.10 PX 450C/FE 6 April 0.01 0.10 0.10 0.10 0.50 0.10 0.10 0.10	18 CQ SAY CQ CQ 28 28 27 7 7 28 28 27 7 7 28 28 27 7 7 28 28 27 7 7 28 28 28 29 28 28 28 28 28 28 28 28 28 28 28 28 28	3.0 Pps 2.9 6.0 4.0 2.0 3.0 2.0 3.0 2.0 2.0 2.0 2.0 3.0 2.0 2.0 2.0 2.0 3.0 3.0 2.0 2.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3	57 22 27 44 157 45 77 71 12 25 22 27 35 44 45 37 46 45 46 45 45 46 46 46 46 46 46 46 46 46 46 46 46 46	0.01 70 970 8.01 9.01 8.07 9.01 9.01 9.01 9.01 9.01 9.01 9.01 9.01
254 - 27 or	#16-19 Sample #8: #16-11 #16-11 #16-12 #16-13 #16-15 #17-1 #17-5 #17-1 #18-1	OF SEED OF SEE	0.99 Au property 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	0.10 PX 450C/FE 6 April 0.01 0.10 0.10 0.10 0.50 0.10 0.10 0.10	16 Cu Sar	3.0 Photosis remains a series of the series	19	0.01 70 900 0.01 0.01 0.01 0.01 0.01 0.01 0.01
26 - 27 - 27 - 27 - 27 - 27 - 27 - 27 -	#16-19 Sample #82. #16-11 #16-12 #16-13 #16-14 #16-15 #16-16 #16-	OF CONTROL OF CONTROL	0.99 L CONTEXTS Au Prop 0.00	0.10 IN 4500-FE Ay 0.01 0.10 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.20 0.10 0.10 0.50 0.10 0.10 0.50 0.10 0.10 0.50 0.10 0.	18 III	5.0 2.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	75 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0.01 70 9.20 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0
754 - 75 - 75 - 75 - 75 - 75 - 75 - 75 -	Mid-19 Sample May May May May May May May May May May	OF SEED OF SEE	0.99 Au property 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	0.10 PA 4000-FE 6000-	18 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3.0 2.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	19	0.01 70 929 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0
254 - 25 - 25 - 25 - 25 - 25 - 25 - 25 -	#16-19 Sample Sample #18-12 #18-12 #18-13 #18-14 #18-15 #17-1 #17-15 #17-1 #17-15 #17-1 #17-15 #17-1 #17-15 #17-1 #17-15 #17-1 #17-15 #17-1 #17-15 #17-1 #17-15 #18-1 #1	CONTROL OF CONTROL OF	0.99 Au Property 1	0.10 IN 4500-FE 6 Ap 600-FE 6 0.01 0.10 0.20 0.20 0.20 0.20 0.20 0.10 0.1	18 SAN SAN SAN SAN SAN SAN SAN SAN SAN SAN	3.0 Phosphage 2.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	75 72 22 23 33 44 11 11 12 15 22 23 33 54 15 15 15 15 15 15 15 15 15 15 15 15 15	0.01 70 929 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0
254 - 25 - 25 - 25 - 25 - 25 - 25 - 25 -	#16-19 S	OF SEA OF OF OF OF OF OF OF OF OF OF OF OF OF	0.59 Au	0.10 PX 4500-FE 6 April 0.10 0.10 0.10 0.20	18 CQ SAM CAL	2.0 6.0 1.0 2.0 1.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	75 77 75 75 75 75 75 75 75 75 75 75 75 7	0.01 70 9.00 0.01 0.01 0.01 0.01 0.01 0.01 0.0
254 - 25 - 25 - 25 - 25 - 25 - 25 - 25 -	#16-19 Sample Sample #18-12 #18-12 #18-13 #18-14 #18-15 #17-1 #17-15 #17-1 #17-15 #17-1 #17-15 #17-1 #17-15 #17-1 #17-15 #17-1 #17-15 #17-1 #17-15 #17-1 #17-15 #18-1 #1	OF STANDARD OF STA	0.99 Au Property 1	0.10 IN 4500-FE (400 FE) Ap	18 SAN SAN SAN SAN SAN SAN SAN SAN SAN SAN	3.0 Phosphage 2.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6	75 72 22 23 33 44 11 11 12 15 22 23 33 54 15 15 15 15 15 15 15 15 15 15 15 15 15	0.01 70 929 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.0
254 - 25 or	#16-19 Sample Sampl	OF SETA GOOD . SPORT OF OF OF OF OF OF OF OF OF OF OF OF OF	0.59 Au Property 0.00	0.10 IN 4500-FE 6 April 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	18 CQ CQ CQ CQ CQ CQ CQ CQ CQ CQ CQ CQ CQ	2.0 6.0 1.0 2.0 3.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	75 2 2 2 2 2 3 3 4 5 1 5 1 5 4 5 2 2 2 2 3 3 3 4 5 1 5 1 5 4 5 2 2 2 3 3 3 4 5 1 5 1 5 3 4 5 3 3 5 4 5 5 3 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0.01 70 970 0.01 0.01 0.01 0.01 0.01 0.01 0.01 0.
25 - 55 - 57 - 57 - 57 - 57 - 57 - 57 -	#16-19 S	OF TAXABLE PROPERTY OF TAX	0.59 Au	0.10 PA 4000-FE 6000-	18 CA SAN	70 PLES ************************************	75 22 25 75 64 11 11 64 77 71 12 64 75 77 12 64 77 77 12 64 77 77 12 64 77 77 12 64 77 77 12 64 77 77 12 64 77 77 12 64 77 77 12 64 77 77 12 64 77 77 12 64 77 77 12 64 77 77 12 64 77 77 12 64 77 77 12 64 77 77 12 64 77 12 64 77 77 12 64	0.01 70 900 9.01 9.01 9.01 9.01 9.01 9.01 9.01
24 27 27 27 27 27 27 27 27 27 27 27 27 27	#16-19 S	OF TAX A COLUMN TO TAX A COLUMN	0.59 Au Prove 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	0.10 PX 4500-FE 6 April 0.10 0.10 0.10 0.20	18 CQ CQ CQ CQ CQ CQ CQ CQ CQ CQ CQ CQ CQ	2.0 6.0 1.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	TO THE STATE OF TH	0.01 70 970 8.01 9.01 9.01 9.01 9.01 9.01 9.01 9.01 9
254 - 55 - 55 - 55 - 55 - 55 - 55 - 55 -	#16-19 S	OF TAX SOCIETY OF THE STATE OF	0.59 Au	0.10 PA GEOCAE Approximate to the control of the	18 CA SAN	70 PLES ************************************		0.01 70 900 0.01 0.01 0.01 0.01 0.01 0.01 0.01
54 - 54 - 55 55 55 55 55 55 55 55 55 55 55 55 5	#16-19 S	OF TAX A COLUMN TO TAX A COLUMN	0.59 Au Prove 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	0.10 PX 4500-FE 6 April 0.10 0.10 0.10 0.20	18 CQ CQ CQ CQ CQ CQ CQ CQ CQ CQ CQ CQ CQ	2.0 6.0 1.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	TO THE STATE OF TH	0.01 70 970 8.01 9.01 9.01 9.01 9.01 9.01 9.01 9.01 9
54 - 55 - 55 - 55 - 55 - 55 - 55 - 55 -	#16-19 S	OF STATE OF	0.59 Au	0.10 PA GEOCAE Approximate to the control of the	18 Cu San	2.0 6.0 1.0 2.0 3.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2	TANKS THE STANKS THE STANKS ST	70 970 0.01 70 970 0.01 70 970 10.01 70 970

Table A-7 Result of Magnetic Susceptibility Data

			in t	he Pico	Duarte	Sub-Are	a		(1)
No,	Measured point No.	Date	lst	Measure 2nd	ed value 3rd	Average	*Surface unevenness	Truth measured value	Alteration zoon
1	M001	84.9.12	4 39	4.38	4.33	4.37	1 (mm)	4,68	В
2	M002		16,0	16,3	16,1	16,13	2	18.5	
3	M003		15.3	15,4	15.1	15.27	1	16.3	
4	M004		13.9	13,7	14.0	13.87	1 .	14.8	
5	M005		13.6	13.4	13.2	13.4	2	15.4	
6	M006		14.5	14.5	14.5	14.5	1	15,5	
7	M007		18,2	18,2	18.5	18.3	3	22.5	
8	M008		15.7	15.5	15.7	15.6	1	16.7	
9	M009	1	12.0	11.8	12.2	12.0	2	13.8	
10	M010	84.9.13	7.69	7.69	7.82	7.73	2	8,89	
11	M011		5.72	5.64	5.85 -	5.74	2	7.00	
12	M012		7.57	7.54	7.41	7.51	3	9.23	
13	M013		15.3	15.2	15.2	15.23	2	17.5	
14	M014		7.31	2.32	2.39	2,34	2	2.69	В
15	M015		16.5	16.5	16.5	16.5	2	19.0 -	
16	M016		10.2	10.4	10.0	10.2	2	11.7	. В
17	M017		11.6	11.8	11.9	11.8	3	14.5	
18	M018	84.9.14	2.26	2.27	2.26	2,26	2	2.56	
19	M019		3.13	3.11	3.04	3.09	2	3,55	В
20	M020		0.20	0.19	0.19	0.19	2	0.22	A'
21	M021		7.71	7.65	7.73	7.70	2	8.86	В
22	M022		5.88	5.87	5.85	5.87	2	6.75	İ
23	M023		15.4	15.8	15.2	15.5	Ž	17.8	A STATE OF THE STA
24	M024	84.9.15	5.57	5.62	5.54	5.58	1	5.97	1
25	M025		14.8	14.9	14.8	14.8	2	17.0	
26	M026		22.1	22.1	22.1	22.1	2	25.4	ļ
27	M027		13.0	13.3	13.0	13.1	2	15.1	A
28	M028		0.78	0.79	0.78	0.78	2	0.90	В
29	M029		0.05	0.05	0.05	0.05	2	0.06	A
30	M039	84.9.16	4.63	4.56	4.54	4.58	2	5.27	
31	M030'		37.7	37.4	37.4	37.6	1	40.2	
32	M031	84.9.17	20.5	20.5	20.5	20.5	2	23.6	
33	M032		12.8	12.8	12.9	12.9	2	14.8	Į
34	M033		18.4	18.4	18.4	18.4	3	22.6	ł
35	M034		17.0	17.3	17.2	17.2	ĭ	18.4	
36	M035		20,6	20.5	20.5	20,5	1	21.9	
37	M036	84.9.18	0.10	0.10	0.10	0.10	3	0.12	Α
38	M037		14.8	14.8	14,6	14.7	1	15.7	i i
39	M038		17.6	17.6	17.6	17.6	2	20.2	A
40	M039		1.24	1.24	1.24	1.24	2	1.43	Α

(2)

<u> </u>	Measured			Measur	ed value		*Surface	Truth	Alteration
No.	point No.	Date	1st	2nd	3td	Average	unevenness	measured value	zoon
41	M040	84,9,18	4.01	4.01	4.01	4.01	1	4,29	A
42	M041	·	2.73	2.74	2.74	2.74	2	3.15	В
43	M042		3.81	3.84	3,88	3.84	5	5.41	
44	M043		3,15	3.15	3.15	3.15	2	3,62	A
45	M044	84.9.19	15.7	15.8	15.5	15.7	1	16.8	
46	M045		21.6	21.4	21.6	21.5	1	23.0	
47	М046		11.2	11.2	11.2	11.2	2	12.9	
48	M047		17.8	17.8	17.6	17.7	2	20.4	A'
49	M048		29.6	29.4	29.0	29.3	1	31.4	
50	M049		0.15	0.16	0.16	0.16	2	0.18	В
51	M050		7.51	7.57	7.59	7,56	2	8.69	В
52	M051	84.9.20	11.9	11.9	12,0	11.9	2	13.7	
53	M052		19.4	19.5	19.5	19.5	1	20.9	
54	M053		4.39	4.41	4.41	4.40	1	4.70	
55	M054		4.18	4.17	4.18	4,18	2	4.80	
56	M055		0.00	0.00	0.00	0.00	1	0.00	A
57	M056		0.10	0.09	0.10	0.10	1	0.11	A
58	M057		1.05	102	1.00	1.02	1	1.09	A
59	M058		0.85	0.83	0.84	0.84	2	1.00	A
60	M059		9,47	9.43	9.43	9.45	2	10.9	
61	M060		13.0	13.3	13.0	13.1	2	15.1	
62	M061	84.9.21	4,63	4.68	4.57	4.62	3	5.68	
63	M062		11.0	10.7	11.0	10.9	2	12.5	
64	М063		10.4	10.4	10.6	10.5	2	12.1	
65	M064	84.9.22	3.56	3.52	3.57	3.55	3	4,37	В
66	M065		14.5	14.5	14.5	14.5	3	17.8	
67	M066		7.6	7.36	7.50	7.49	2	8.61	
68	M067		3.41	3.43	3.42	3.42	3	4.21	В
69	M068		9.73	9,88	9.15	9.79	2	11.3	·
70	м069		5.35	5.40	5.42	5,39	3	6.63	<u>,</u>
71	M070	84.9.30	19.8	19.9	20.0	19.9	1	21.3	
72	M071		11.7	11.7	11.7	11.7	2	13.5	
73	M072		12.3	12.3	12.4	12.3	3	15.2	A*
74	M073		19.1	19.1	19.2	19.1	2	22.0	
75	M074		19.2	19.2	19.1	19.2	3	23.6	
76	M075		15.5	15.6	15.8	15.6	2	18.0	
77	M076		22.2	22.2	21.9	22.1	1	23.6	
78	M077	84.10.1	9.65	9.67	9.70	9.67	3	11.9	
79	M078		5.31	5.36	5,36	5,34	3	6.57	
80	м079		10.7	10.6	10.8	10.7	3	13.2	

(3)

									(3)
No.	Measured	Date		i 🤻 asur	eù value		*Surface	Truth measured	Alteration (
140.	point No.	Date	1st	2n·i	3rd	Average	unevenness	value	zoon
81	M080	84.10.1	17.8	18.2	18.3	18.1	3	22.3	
82	M081	84.10.2	4,71	4.68	4.79	4.73	3	5,81	В
83	M082		2.32	2.30	28	2.30	3	2.83	В
84	M083		2.52	2.49	2.23	2.50	3	3,07	
85	M084		11.1	11.1	10.9	11.0	3	13.6	
86	M085	1	2.16	2.14	2.15	2.15	2	2 <i>A</i> 7	В
87	M086		11.9	11.7	11.8	11.8	3	14.5	
88	M087		8.67	8.67	8,67	8.67	3	10.7	
89	MOPR		5.25	5.26	5.25	5.25	10 -	10.3	
90	M089		11.2	10.8	11.1	11.0	3	13.6	
91	M090		2.13	2.19	2.17	2.10	3	2.66	
92	M091	84.10.3	11.7	11.1	11.5	11.4	2	13.1	
93	M092		9.23	9.20	9.23	9.22	5	13.0	
94	M093		15.2	15.1	15.3	15.2	2	17.48	
95	M094		0.57	0.57	0,56	0.57	2	0.65	
96	M095		9.51	9.50	9.50	9.50	3	11.7	
97	M096		7.58	7.54	7.55	7.56	2	8.69	
98	М097		5.21	5.22	5.21	5.21	2	5.99	
99	M098		10.5	10.5	10.5	10.5	2	12.1	
100	M099		0.33	0.31	0.32	0.32	2	0.37	В
101	M100		16.1	15.5	15,9	15.8	2	18.2	
102	M101		16.4	16.1	16.3	16.3	2	18.7	
103	M102		15.1	15.2	15.1	15.1	2	17.4	
104	M103	84.10.4	9.50	9.60	9.48	9.53	3	11.7	
105	M104		14.1	14.1	14.1	14.1	3	17.3	
106	M105		2.33	2.35	2,34	2.34	5	3.30	
107	M106		17.8	17.8	17.7	17.8	2	20.5	
108	M107		12.2	12,2	12.2	12.2	4	16.1	-
109	M108		5.21	5.09	5.07	5,13	3	6.30	
110	M109		19.9	20.5	20.5	20.9	2	23.4	
111	M110	84.10.5	16.9	16.7	16.9	16.8	2	19.4	
112	Mili		15.4	15.5	15.6	15,5	2	17.8	
113	M112		10,5	10.5	10.3	10.4	2	12.0	
114	M113		11.1	11.1	11.0	11.1	2	12.8	
115	M114		8.52	8.51	8.54	8.52	1	9.12	
116	M115		11.8	11.8	11.9	11.8	2	13.6	
117	M116		0.12	0.11	0.11	0.11	2	0.13	
118	M117		0.13	0.13	0.14	0.13	2	0.15	В
119	M118	84,10.6	17,4	17,4	17.6	17.5	2	20.1	
120	M119		3.67	3.64	3.61	3.64	2	4.19	

No.	Measured	Date		Measur	ed value		*Surface unevenness	Truth measured	Alteration zoon
110.	point No.	Date	1st	2nd	3rd	Average	unevenness	value	
121	M120	84,10.6	11.8	11.6	12.0	11,8	2	13.6	
122	M121		9,80	9.76	9.72	9.76	2	11,22	
123	M122		8.90	9.15	8.85	8.97	2	10.31	
124	M123		0.20	0.22	0.22	0.21	2	0,24	В
125	M124		9.84	9.77	9.69	9.77	3	12.00	
126	M125		6.66	6.64	6.60	6.65	3	8.16	
127	M126		10.1	10.1	10.1	10.1	2	11.6	
128	M127		10.1	10.1	10.0	10.1	3	12,3	
129	M128		0.22	0.22	0.22	0.22	2	0.25	

* Correction for surface unevenness

Surface unevenness (mm)	Correction factor
1	1.07
2	1.15
3	1.23
4	1.32
5	1.41
6	1.51
7	1.61
8	1.72
9	1.84
10	1.96

