

4-2 Results of Geochemical Survey

4-2-1 Interpretation Results of Geochemical Survey

(A) Rock

Analytical results of 50 rock samples are shown in Appendixes Table A-9 and mean value and standard deviation of each element are given in Table II-4-1.

Table II-4-1 Statistical Values of Each Element (Rock)

	(ppm)			
	Area C			
	Granite		Schist	
	Mean	S.D.	Mean	S.D.
Pb	9.623	2.153	11.776	2.767
Ni	5.340	2.547	7.143	1.660
Co	4.434	1.837	3.766	2.028
Ag	.075	1.791	.096	2.148
Mo	3.149	1.333	3.046	1.413
Cu	5.979	2.188	8.596	2.080
Zn	14.885	2.317	13.404	2.328
Fe	.830	2.339	.892	1.782
Mn	367.902	2.275	395.959	1.603
Au	.009	1.403	.009	1.556
As	5.193	1.928	27.247	3.597
Sn	8.838	1.726	6.255	1.535
W	5.363	1.991	8.459	2.489
U	4.291	3.606	.192	3.334
Hg	.077	1.227	.079	1.138
Sb	1.378	1.710	2.394	2.735
Bi	2.137	2.301	1.091	1.276
Ba	203.244	3.499	232.673	3.793
Ce	40.981	3.565	35.681	3.451
Eu	.543	2.410	.490	2.275
La	43.036	2.275	21.238	2.649
Lu	.323	1.774	.261	1.977
Nd	14.549	2.265	11.419	1.746
Sm	1.762	5.058	2.057	4.064
Tb	.486	2.178	.347	2.443
Th	17.558	2.911	6.792	3.090
Yb	1.600	2.198	.958	2.911
Ta	2.363	1.862	2.000	1.000
Nb	14.936	1.452	11.511	1.380

S.D.=Standard Deviation

As it is evident from the table, few difference for every elements can be observed between granite and phyllite, all analytical data were statistically process.

(B) Heavy Mineral

(a) Semiquantitative Mineral Estimation (QME)

Forty six (46) pieces of heavy metal samples were selected for microscopic observation. Like those in the Area A, the heavy minerals identified are composed of gold, ilmenite, tourmaline, monazite, cassiterite, rutile, zircon, topaz and xenotime, all of which are distributed as shown in Plate 5-2. The following results are evident from the plate.

1. The heavy minerals in the uppermost basin of the S. Ringat are characterized by ilmenite, tourmaline and monazite.
2. Cassiterite grains can be commonly found in the basin of the S. Jopal, a branch of the S. Ringat, and near the boundary between granite and crystalline schist.
3. Visible gold flakes which were recognized in panning were collected at only one place.

(b) Quantitative analysis

1) Single Component Analysis

The mean, minimum and maximum values of each element are shown in Table II-4-2 (1) and correlation ratios among elements, in Table II-4-2 (2).

Au

Mean value : 0.215×10^{-6} g/dulang, threshold value : 0.47×10^{-6} g/dulang, max value : 88.88×10^{-6} g/dulang.

If the values above this threshold are taken as anomalous values then according to Fig. II-1-7 (2), 23% of the total samples are to be selected, leaving scattered many anomalies. In order to give more attention to the higher anomalous values above $\bar{X}+3S$ value population was applied to the threshold value (1.10×10^{-6} g/dulang). Accordingly the number of anomalous samples was decreased to 11% and distributed as shown in Fig. II-4-3 (1).

High anomalous values of Au are concentrated in the eastern branches of the lower reaches of the S. Ringat (area : 2 km x 7 km). The geology is composed of sedimentary rocks. It is 1 ~ 2 km away from the granite contact. As the semiquantitative mineral estimation could not detect gold flakes at more than one place, gold grains seems to be very fine as mentioned before. Gold anomalies were also obtained at 5 sites in the upper reaches of the main stream of the S. Jopal. All of them do not show an areal extension.

Sn

Mean value : 35.2×10^{-3} g/dulang, threshold value : 660×10^{-3} g/dulang, max value : 1.041×10^{-3} g/dulang.

Higher values over the threshold value are distributed in the upper reaches of the S. Jopal

Table II-4-2 Statistical Values of Each Element (Heavy Mineral Concentrate)

(1) Mean, Minimum and Maximum Values ($\times 10^{-4}$ g/dulang)

	Area C		
	MEAN	MIN	MAX
Au	.215	.016	88.880
Ag	.520	.04	15.00
As	38.641	3	1973
Sn	35205.445	428	1041000
W	564.547	8	37680
Hg	.246	.02	8.80
Ni	9.427	1	205
Co	10.749	1	167
Ce	11731.102	359	493440
Eu	26.689	2.0	303.0
La	6093.159	243	245120
Lu	48.563	4.7	922.5
Nd	4081.024	155	147200
Sm	730.429	40.9	20736.0
Tb	87.403	8.6	2009.6
Th	3171.661	49	100672
U	547.688	2	12989
Yb	243.274	22.9	5167.5
Ta	1747.219	15	62535
Nb	4457.974	100	86250

(2) Correlation Matrix

(Area A)

	Au	Ag	As	Sn	W	Hg	Ce	Eu	La	Lu	Nd	Sm	Tb	Th	U	Yb	Ta	Nb
Au	1.000																	
Ag	.693	1.000																
As	.596	.751	1.000															
Sn	.604	.650	.686	1.000														
W	.468	.647	.722	.687	1.000													
Hg	.448	.637	.731	.556	.614	1.000												
Ce	.490	.577	.601	.622	.562	.564	1.000											
Eu	.438	.417	.458	.421	.281	.446	.809	1.000										
La	.495	.596	.613	.621	.568	.571	.988	.800	1.000									
Lu	.442	.624	.612	.614	.645	.546	.799	.527	.826	1.000								
Nd	.444	.567	.579	.582	.556	.548	.932	.761	.926	.793	1.000							
Sm	.437	.538	.565	.579	.541	.532	.939	.764	.923	.727	.883	1.000						
Tb	.457	.593	.598	.629	.609	.554	.931	.712	.930	.900	.904	.895	1.000					
Th	.473	.644	.656	.666	.679	.589	.923	.625	.937	.929	.894	.865	.949	1.000				
U	.390	.605	.597	.599	.675	.546	.771	.476	.800	.955	.769	.698	.866	.924	1.000			
Yb	.447	.619	.598	.615	.629	.542	.808	.536	.827	.985	.799	.742	.914	.927	.941	1.000		
Ta	.462	.673	.688	.761	.736	.577	.732	.415	.745	.848	.731	.692	.807	.876	.870	.837	1.000	
Nb	.431	.666	.686	.711	.710	.580	.724	.414	.746	.861	.728	.679	.792	.879	.888	.841	.980	1.000

(3) Factor Loading (Varimax Rotation)

	Area C				Comunality
	Factor 1	Factor 2	Factor 3	Factor 4	
Au	-.039	-.335	-.548	.157	.4394
Ag	.283	-.496	-.437	.265	.6034
As	.040	-.462	-.111	.561	.5625
Sn	.470	.035	-.305	.496	.5977
W	.238	-.221	-.107	.675	.6171
Hg	.364	-.595	-.031	.322	.7139
Ni	.091	-.906	-.169	.176	.8926
Co	.184	-.906	-.136	.030	.8897
Ce	.975	-.123	-.085	.113	.9895
Eu	.754	-.333	-.367	.047	.8229
La	.978	-.123	-.094	.123	.9963
Lu	.762	-.272	-.040	.150	.9712
Nd	.970	-.120	-.079	.122	.9778
Sm	.930	-.160	-.114	.186	.9418
Tb	.917	-.217	-.116	.135	.9672
Th	.961	-.085	.035	.148	.9744
U	.891	-.049	.127	.133	.8810
Yb	.731	-.273	-.096	.079	.9614
Ta	.842	-.102	-.046	.282	.9691
Nb	.756	-.260	.007	.319	.9664
Factor	%	%	%	%	
Contribution	71.434	16.212	5.265	4.586	

and near the meeting with the S. Ringat. On the eastern bank of the lower reaches of the S. Ringat, the moderately intense Sn anomalies (274×10^{-3} g/dulang) overlap the Au anomalies, suggesting an existence of Au-Sn mineralization of a vein type (Fig. II-4-3 (2)).

W

Mean value : 0.564×10^{-3} g/dulang, threshold value : 5×10^{-3} g/dulang, max value : 37.7×10^{-3} g/dulang.

The anomalous values over the threshold value are distributed in the upper reaches of the main stream of the S. Ringat and few are found in other branches. As is clear from low correlation ratio (0.471), the anomalies of W do not cover the anomalies of Sn. In the Area A, the ratio is high (0.687) and W and Sn anomalies match well as stated before (Fig. II-4-3 (3)).

(2) Multivariate Analysis

The Factors 1, 2 and 3 were extracted by factor analysis. Their factor loading, comunalities and factor contribution are shown in Table II-4-2 (3).

Distribution of high scores (more than 1.0) of these factors will be here discussed.

Factor 1. (Rare-earth elements)

As is evident from the factor loading, the first factor is closely related to rare earth elements. High scores of this factor are concentrated in the upper reaches of the main S. Ringat and in the basins of the S. Duabelas and S. Jopal. As a good amount of monazite ($50 - 100$ g/m³) were observed by QME, the high scores seem to be caused by monazite (Fig. II-4-4 (1)).

Factor 2 (Ni-Co)

High scores are comparatively concentrated in the upper and lower reaches of the main S. Ringat. The latter in the lower reaches are distributed in the schist zone and may be caused by intercalated basic rocks, though they were not found in this place. The former is in the Main Range granite and any other Ni-Co bearing mineral cannot be observed through QME. It might be caused by xenolith of basic rocks (Fig. II-4-4 (2)).

Factor 3 (Au-Ag)

The high scores of Factor 3 are distributed in the granite in the upper and lower reaches of the main S Ringat and also in the schist zone on the eastern bank of the S. Ringat (Fig. II-4-4 (3)).

Their distribution is quite similar to the Au distribution in the single component analytical map.

Factor 4 (As-Sn-W)

The high scores of Factor 4 are distributed in the western branches of the S. Ringat. They

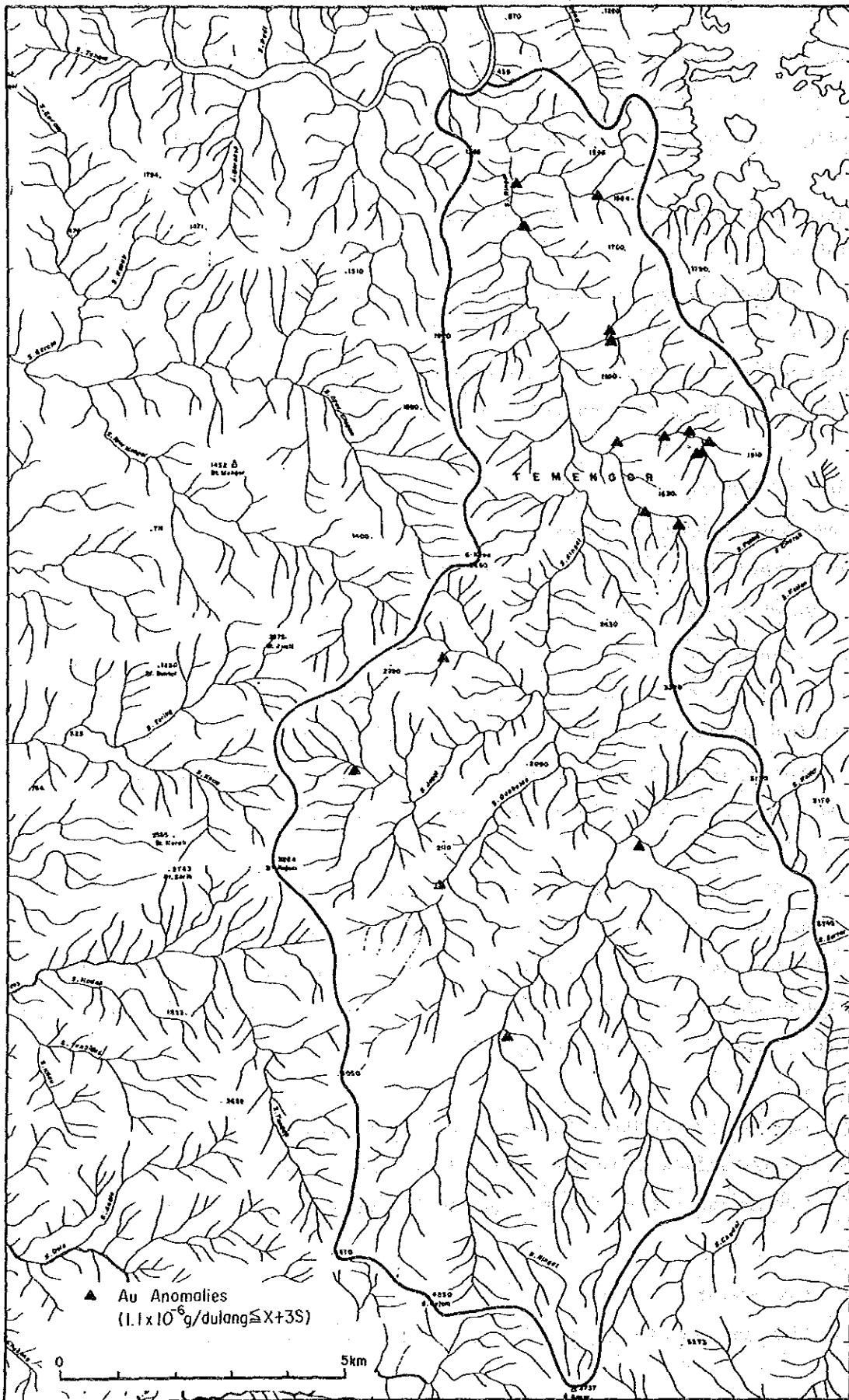


Fig. II-4-3(1) Geochemical Anomaly Map of Au in Heavy Mineral Concentrate

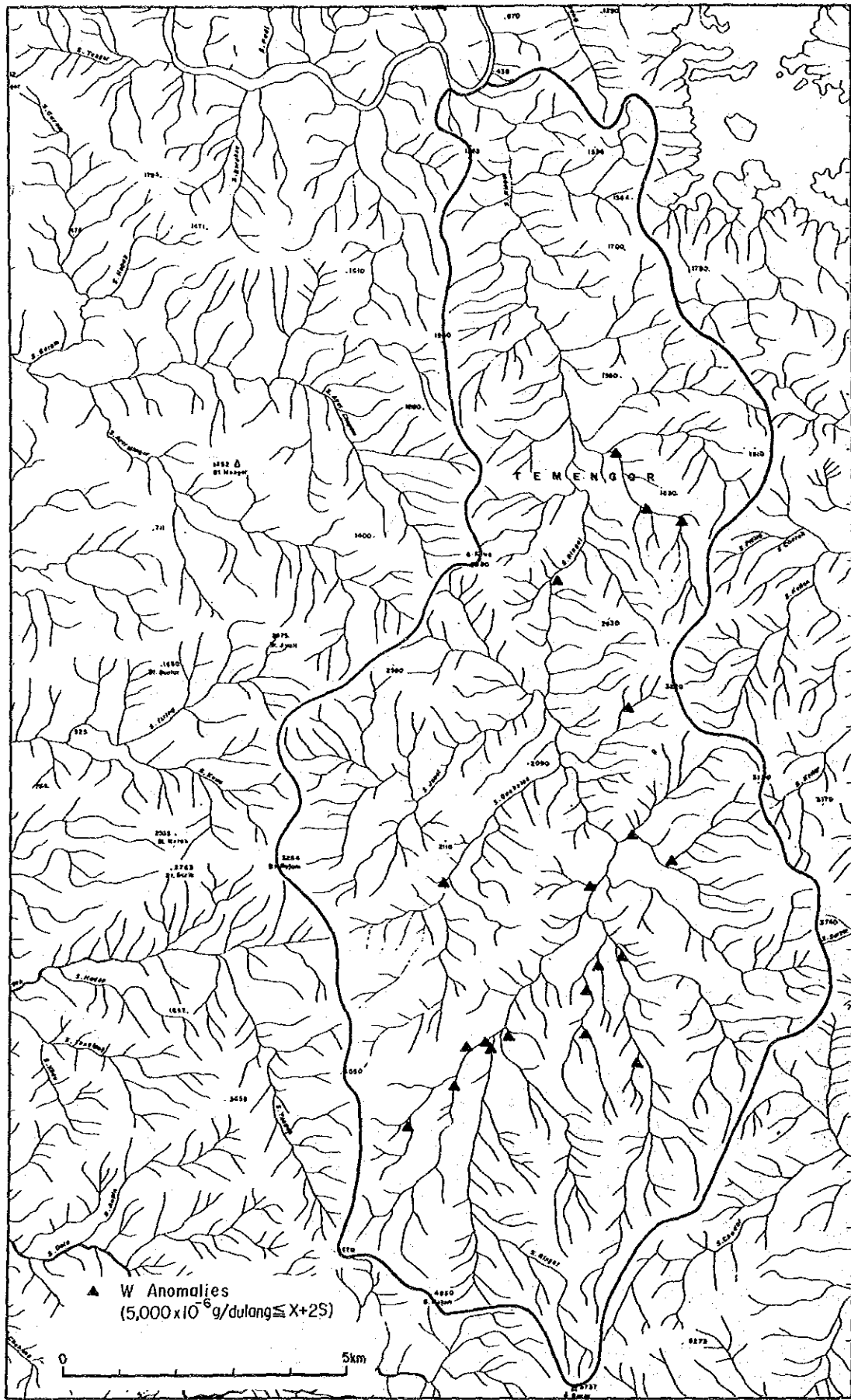


Fig. II-4-3 (3) Geochemical Anomaly Map of W in Heavy Mineral Concentrate
 - 166 -

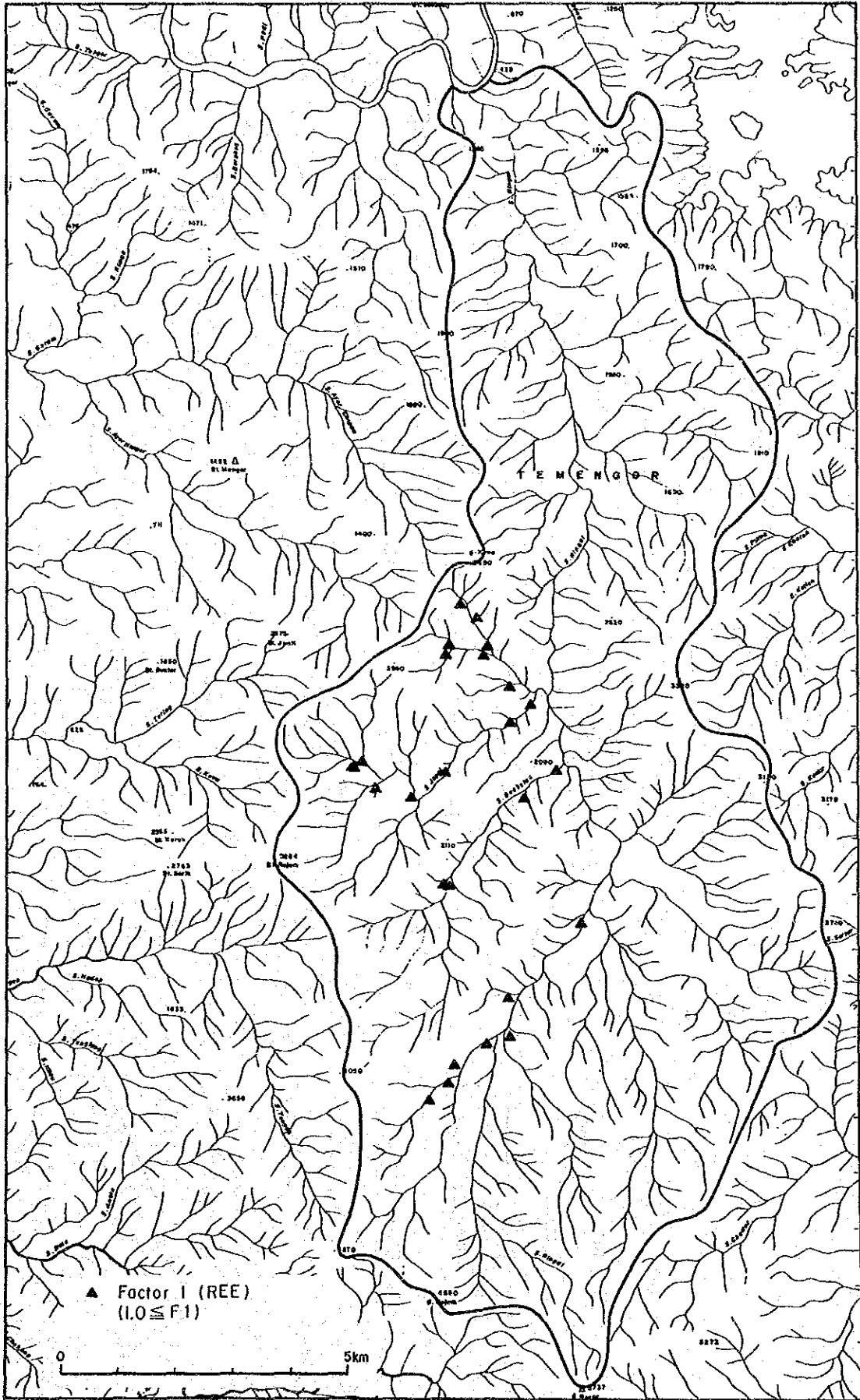


Fig. II-4-4 (1) Factor Analysis Map of Factor 1 in Heavy Mineral Concentrate

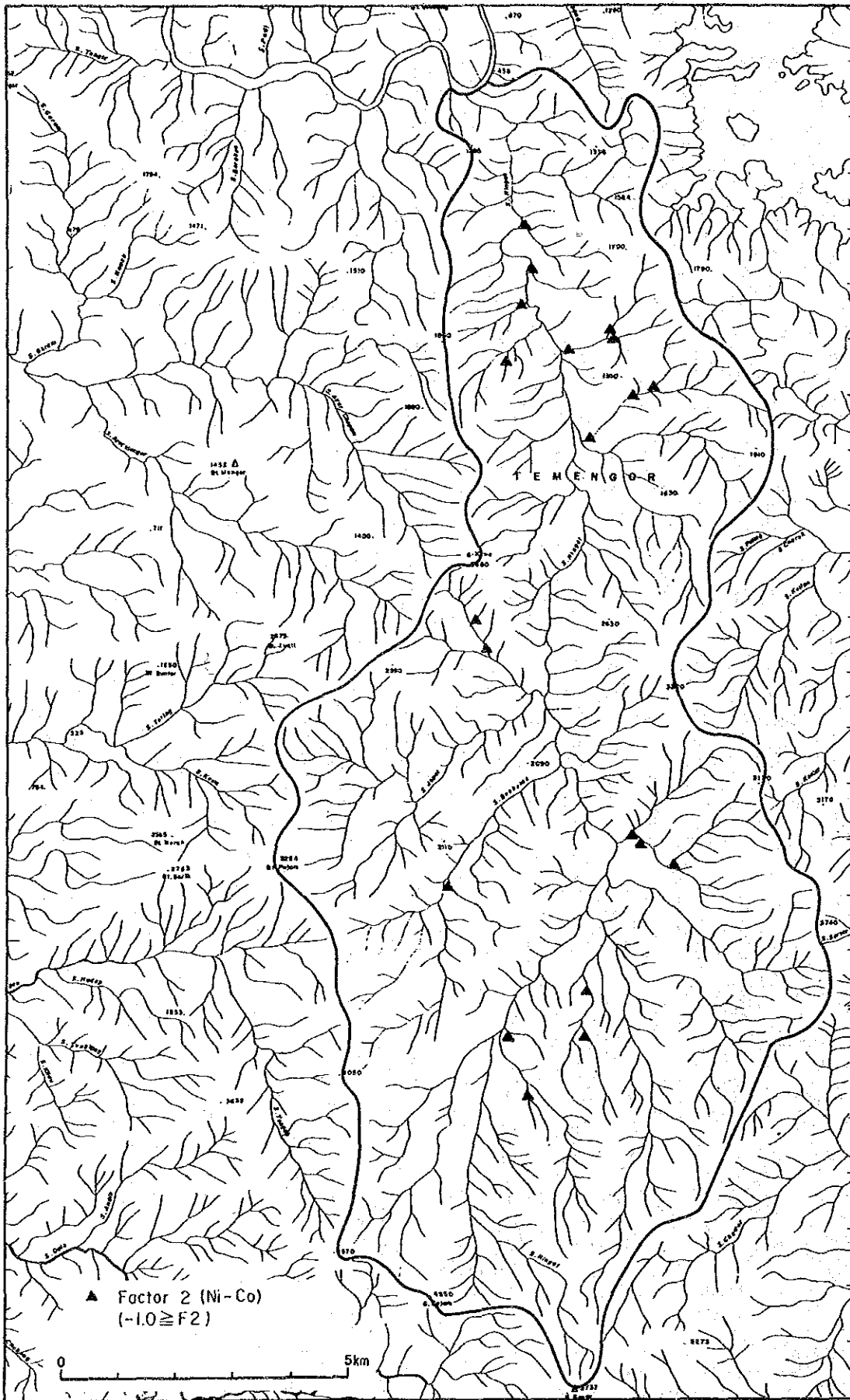


Fig. II-4-4 (2) Factor Analysis Map of Factor 2 in Heavy Mineral Concentrate

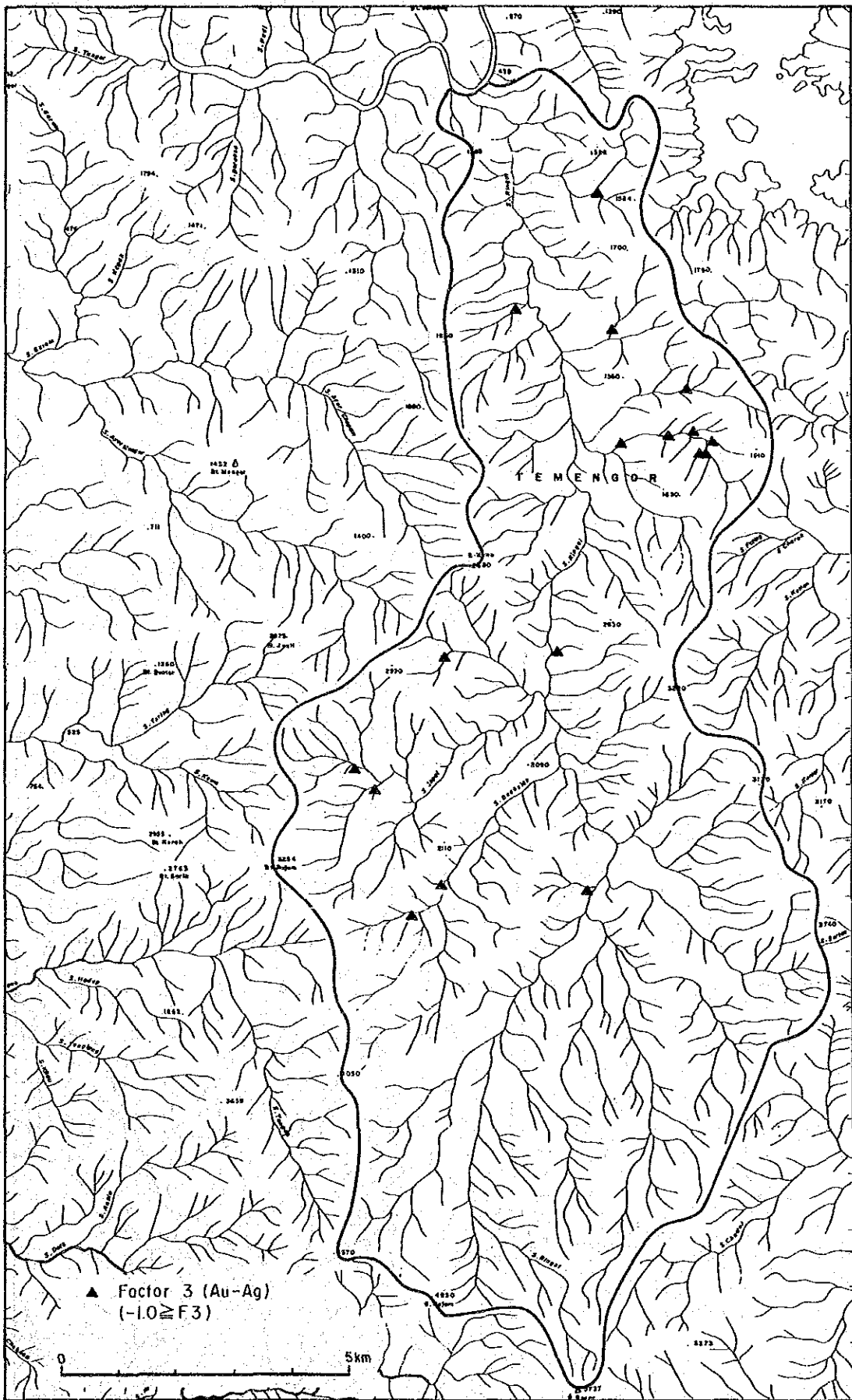


Fig. II-4-4 (3) Factor Analysis Map of Factor 3 in Heavy Mineral Concentrate

are located around the contact between equigranular granite and schist. The distribution pattern of high score resembles that of geochemical anomalies of W (Fig. II-4-4 (4)).

(C) Silt

1) Single Component Analysis

The mean, minimum and maximum values of each element are shown in Table II-4-3 (1), correlation ratios among elements, in Table II-4-3 (2).

Au

mean value : 0.018 ppm, threshold value : 0.031 ppm (about 5% of whole population), max value : 0.200 ppm. (These values are a little lower than those of the Area A.)

Three high values are located in the eastern branch near the junction of the S. Ringat with the S. Duabelas. Other anomalies on a high to middle level are obtained from the lower reaches of the S. Ringat (Fig. II-4-5 (1)).

Sn

mean value : 15.4 ppm threshold value : 125 ppm (about 5% of whole population), max value : 300 ppm.

Anomalies are distributed in the granite zone in the upper reaches of the S. Ringat and the S. Jopal and Duabelas. Small scaled anomalies occur in the eastern branch which is flowing down near the granite contact (Fig. II-4-5 (2)).

2) Multivariate Analysis

Through factor analysis, 2 factors were extracted. Their factor loading, comunity and factor contribution are shown in Table II-4-3 (3).

The interpretation results of Factor 1 and Factor 3 are shown in Figs. II-4-5 (1) and (2). Factor scores higher than 1.0 are illustrated in the figure.

Factor 1 (Ni-Co)

A concentration of high score is found in the eastern schist zone, and high scores occur in granite along the S. Jopal and S. Duabelas. As mentioned in the Section 4-2-1 A (b) the former seems to be related to the basic rocks intercalated in the schist. On the contrary, the latter may suggest a vein type mineralization, though unconfirmed (Fig. II-4-6 (1)).

Factor 3 (Sn-W)

High scores are distributed in the upper reaches of S. Ringat and in river basins of S. Jopal and S. Duabelas but few scores can be observed in the lower reaches (Fig. II-4-6 (2)).

4-2-2 Discussion on the Results of Geochemical Survey

Like in the Area A, geochemical anomalies obtained from different media as semi-quantitative mineral estimation and quantitative analysis of heavy mineral concentrates and silts, are slightly different each other, but they present similar trends.

Among analyzed elements, Au, Sn, W, rare-earths are significant. Their anomaly arrangement is somewhat zonal, that is, Au and Ni-Co on the eastern bank of the lower reaches of S. Ringat, W on the eastern bank of the middle to upper reaches of S. Ringat and Sn and rare-earths in the basins of S. Duabelas and S. Jopal.

A few gold flakes were found in heavy metal concentrates collected from the eastern branch of S. Ringat, indicating some potential for gold bearing quartz vein.

Based on the results of QME, it is considered that Sn is originated from cassiterite and rare-earths from monazite (because Ce values range from 10^4 to 10^5 ppm whereas La, Nd, Th, from 10^3 to 10^4 ppm. Some amounts (on a level of 10^3 – 10^4 ppm) of Nb and Ta are contained in the samples but no relevant minerals could be identified through QME. They seem to derive from granite.

4-3 Discussion

Based on the results of geological and geochemical surveys carried out in the Area C, the followings can be stated.

- (1) The rocks composed of the Area C show along a NW-SE direction zonal distributions of schist, equigranular granite and porphyritic granite distributed from north to southwest respectively. Corresponding to these zones, geochemical anomalies of Au, W, Sn rare-earths are zonally arranged, though they are slightly oblique to the rock boundaries.
- (2) Schist zone is characterized by Au anomalies with some Sn-W anomalies near the granite contact.
- (3) In the equigranular and porphyritic granite on the east of S. Ringat, W anomalies are mainly distributed. Au anomalies are also accompanied at two places in this zone.
- (4) In the porphyritic granite on the west of S. Ringat, Sn and rare earths are concentrated with some Au overlap.
- (5) From a viewpoint of intensity and size of anomalous zone Au in the paragraph (2) and Sn and rare-earths in the paragraph (4) are regarded to have higher potential for mineralization.

Table II-4-3 Statistical Values of Each Element (Silt)

(1) Mean, Minimum and Maximum Values (ppm)

	Area C		
	MEAN	MIN	MAX
Au	.018	.008	.200
Ag	.119	.05	.40
As	6.665	3	200
Sn	15.403	5	300
W	10.249	4	100
Hg	.025	.02	.18
Ni	3.475	1	33
Co	3.016	1	19

(2) Correlation Matrix

(Area C)

	Au	Ag	As	Sn	W	Hg	Ni	Co
Au	1.000							
Ag	-0.279	1.000						
As	0.030	0.070	1.000					
Sn	0.091	0.143	-0.100	1.000				
W	0.026	0.167	-0.143	0.179	1.000			
Hg	0.199	0.093	-0.150	0.070	0.130	1.000		
Ni	-0.065	-0.036	0.344	0.123	-0.439	-0.107	1.000	
Co	-0.038	-0.091	0.283	0.078	-0.550	-0.067	-0.872	1.000

(3) Factor Loading

(Area C)

	Factor 1	Factor 2	Factor 3	Factor 4	Comunality
Au	0.056	-0.551	0.189	0.043	0.3439
Ag	0.105	0.494	0.210	0.086	0.3068
As	-0.191	0.016	-0.121	0.560	0.3648
Sn	-0.056	0.063	0.445	-0.019	0.2058
W	0.606	0.117	0.390	0.042	0.5348
Hg	0.083	-0.140	0.339	-0.151	0.1640
Ni	-0.863	0.064	0.121	0.339	0.8785
Co	-0.925	0.019	0.047	0.182	0.8909
Factor Contribution	61.971%	17.515%	15.307%	8.441%	



Fig. II-4-5(2) Geochemical Anomaly Map of Sn in Silt

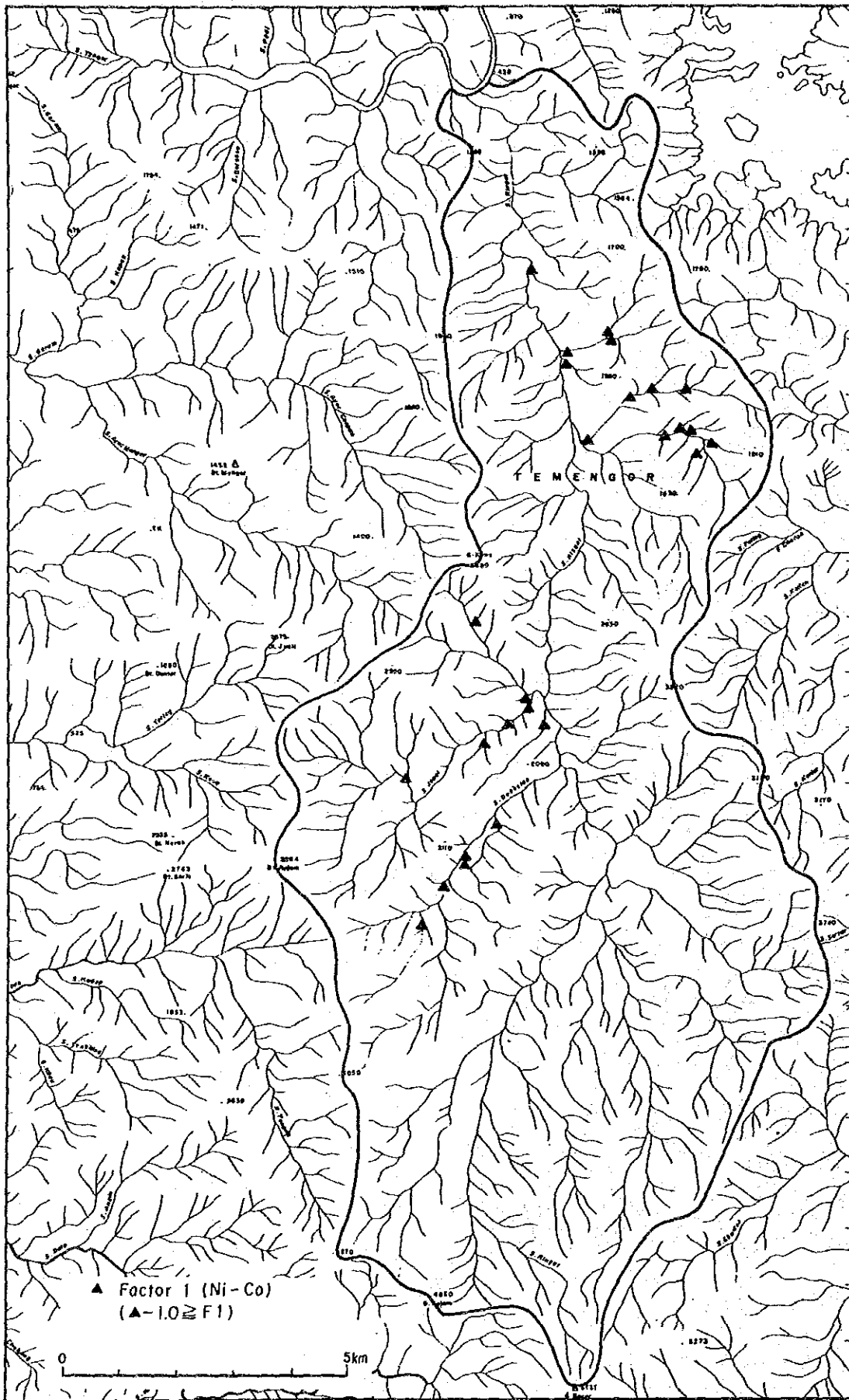


Fig. II-4-6 (1) Factor Analysis Map of Factor 1 in Silt
 - 176 -

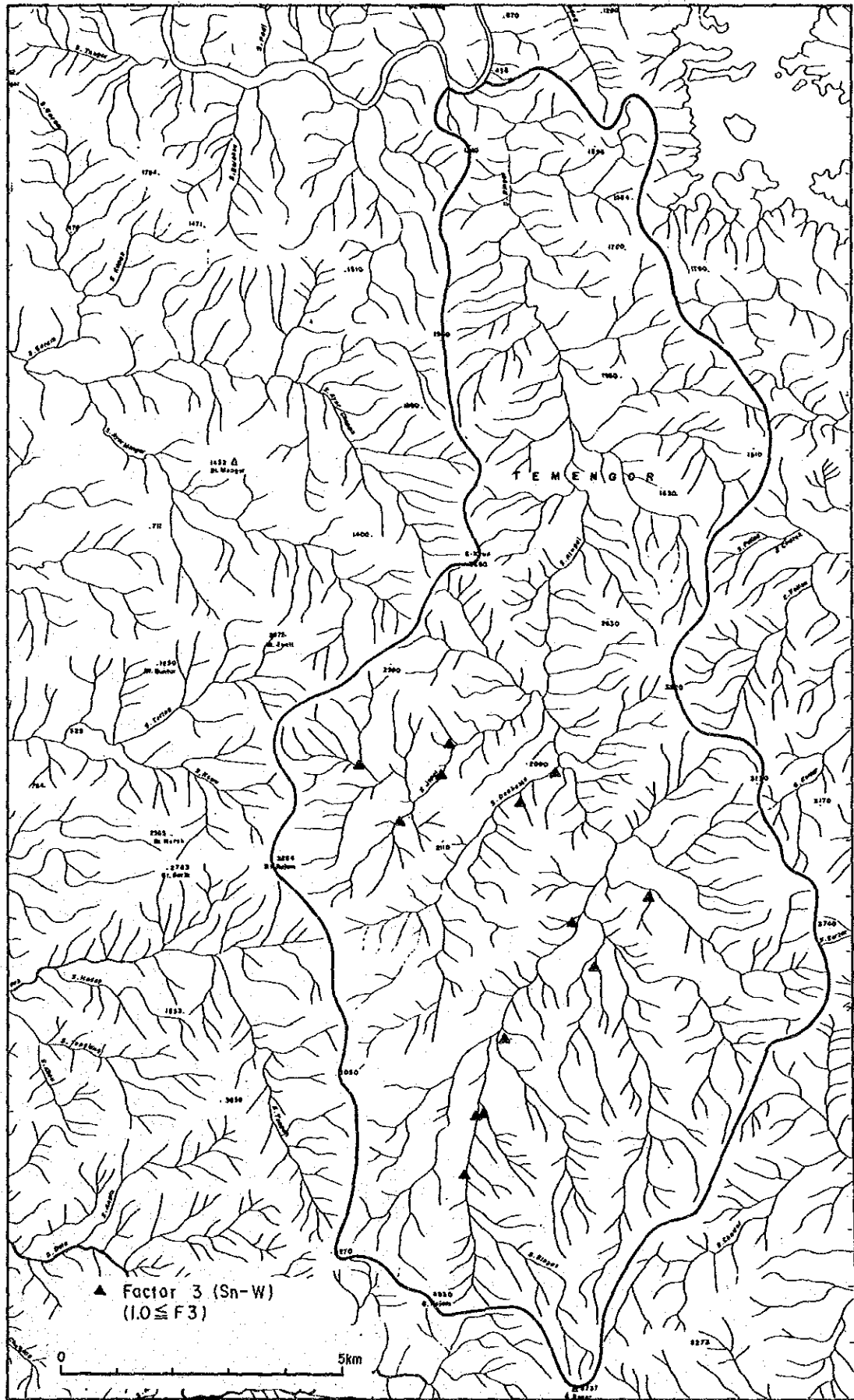


Fig. II-4-6 (2)

Factor Analysis Map of Factor 3 in Silt

PART III CONCLUSIONS AND RECOMMENDATIONS

Chapter 1 Conclusions

The following is the conclusions drawn on the results of the geological, geochemical and geophysical (CSAMT method) surveys which were carried out in Perak, in Phase I.

(1) Area A

- 1) The area is composed of phyllite of Paleozoic and the Main Range Granite of Permian and Triassic. The geological structure of a NNW–SSE system is predominant in the area.
- 2) The ore deposits are of a gold and tin vein type, occurring in and near the Main Range granite. The Kaolin deposit near Tapah is also considered to have close correlation with gold mineralization.
- 3) The heavy minerals deposited in the rivers in this area are composed of gold, ilmenite, tourmaline, monazite, xenotime, cassiterite, rutil, zircon, topaz and magnetite.

The composition is 76% of ilmenite, 8% of toulmaline and <5% each for other minerals.

- 4) A zonal arrangement of geochemical anomalies such as rare earths → Sn · W → Au can be observed from the Main Range granite to the phyllite zone. It is considered that rare earths mainly come from granite while the others are originated from mineralization of a vein type.
- 5) The Au geochemical anomaly zone is distributed on the east side of Tapah–Bidor–Sungkai highway, extending to 22 km with a 2 – 4 km width, which includes the Bukid Mas gold mine area. The north (2 km x 8 km) of Bukid Mas in the anomaly zone has higher gold values with an average of $0.2 \times 10^{-3} \text{ g/m}^3$ and maximum of $1.8 \times 10^{-3} \text{ g/m}^3$.
- 6) The high resistivity zone detected by geophysical survey (CSAMT method) in the Bukit Mas area corresponds to a quartzose metasandstone bed. As no other high resistivity zone indicating mineralization could be observed, the gold mineralization (consisting probably of quartz veins and/or silicification) is considered to be of a small scale and poor in persistence.
- 7) It became clear that the gold anomalies in soil found by GSM before occur in the meta-sandstone bed and has not a direct connection with the distribution of known deposit. Therefore, it is desirable to plan an exploration programme for these anomalies based on the exploration results of not only the Bukit Mas but the large-scaled gold anomaly zone.

(2) Area B

- 1) It becomes clear that few heavy minerals can be expected in the Quaternary sediments in the Changkat Jong area because of poor drilling results and few geochemical anomalies in the background area. It is, therefore, preferable to carry out future investigation in the Teluk Intan area.

2) Tin concentration (thickness : 1.5–6.0, m SnO₂ content : 0.24–1.29 kg/m³) occurs at Labu Kubun in the Teluk Intan area, being controlled by the bedrock topography. To explore its extension it is necessary to investigate the relief of bedrock. For this, a gravimetric survey is the best way by reasons of big specific gravity difference, easy access and low cost.

(3) Area C

1) The area is composed of schist of Paleozoic and the Main Range granite of Permian – Triassic.

2) It becomes clear that a zonal arrangement of geochemical anomalies as rare earths • Sn → W → Au can be observed from the Main Range granite to the schist zone.

Chapter 2 Recommendations for the Phase II Survey

Based on the conclusions of the Phase I survey, the following is recommended for the Phase II.

(1) Area A

Detailed geological and geochemical surveys with some trenching in the gold anomaly zone extending from north of Tapah to south of Bidor in order to further clarify the details of mineralization.

(2) Area B

A gravimetric survey to investigate the relief of bedrock in the area centering around Labu Kubung in the Teluk Intan sheet.

(3) Area C

Detailed geological and geochemical surveys over the Au, Sn and rare earths anomaly zones in the basins of S. Duabelas and S. Jopal and the Au anomaly zone in the lower reaches of S. Ringat in order to check the details of anomalies.

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List of Figure

Fig. I	Location Map of the Project Area (Areas A, B and C)
Fig. I -1	Geological Map of Peninsular Malaysia
Fig. I -2	Geochemical Anomalies in the Area A (Heavy Mineral Concentrate)
Fig. I -3	Geochemical Anomalies in the Area C (Heavy Mineral Concentrate)
Fig. II-1-1	Flow Chart for Heavy Mineral Concentrate Analysis
Fig. II-1-2	Location Map of the Surveyed Area (CSAMT)
Fig. II-1-3	Current Density vs Depth
Fig. II-1-4	Cagniard ρa -f Curves
Fig. II-1-5	Location Map of the Survey Stations
Fig. II-1-6	A General Concept Map of CSAMT Surveyed System
Fig. II-1-7 (1)	Histogram and Cumulative Frequency Distribution of Heavy Mineral Concentrate (Area A)
Fig. II-1-7 (2)	Histogram and Cumulative Frequency Distribution of Heavy Mineral Concentrate (Area C)
Fig. II-1-8 (1)	Histogram and Cumulative Frequency Distribution of Silt (Area A)
Fig. II-1-8 (2)	Histogram and Cumulative Frequency Distribution of Silt (Area C)
Fig. II-1-9	ρa -f Curve
Fig. II-1-10	Flow Chart of Analysis
Fig. II-1-11	Standard ρa -f Curves for two-layer Model
Fig. II-2-1	Geological Map and Distribution Map of Mineral Showings of the Area A
Fig. II-2-2	Stratigraphic Section of the Area A
Fig. II-2-3	Q-An-(Or+Ab) Diagram
Fig. II-2-4	Ferric/Ferrous Ratio Diagram
Fig. II-2-5	Geological Map of the Old Changkat Rembian Workings
Fig. II-2-6	Geological Map of the Batu Lombong Deposit
Fig. II-2-7	Geological Map of the Tapah Kaolin Deposit
Fig. II-2-8 (1)	Geochemical Anomaly Map of Au in Heavy Mineral Concentrate
Fig. II-2-8 (2)	Geochemical Anomaly Map of Sn in Heavy Mineral Concentrate
Fig. II-2-8 (3)	Geochemical Anomaly Map of W in Heavy Mineral Concentrate

Fig. II-2-9 (1)	Factor Analysis Map of Factor 1 in Heavy Mineral Concentrate
Fig. II-2-9 (2)	Factor Analysis Map of Factor 2 in Heavy Mineral Concentrate
Fig. II-2-9 (3)	Factor Analysis Map of Factor 3 in Heavy Mineral Concentrate
Fig. II-2-10 (1)	Geochemical Anomaly Map of Au in Silt
Fig. II-2-10 (2)	Geochemical Anomaly Map of Sn in Silt
Fig. II-2-11	Factor Analysis Map of Factor 1 in Silt
Fig. II-2-12 (1)	Apparent Resistivity Section (Section-A, B)
Fig. II-2-12 (2)	Apparent Resistivity Section (Section-C, D)
Fig. II-2-12 (3)	Apparent Resistivity Section (Section-E, F)
Fig. II-2-12 (4)	Apparent Resistivity Section (Section-G, H)
Fig. II-2-12 (5)	Apparent Resistivity Section (Section-I, J)
Fig. II-2-13 (1)	Apparent Resistivity Plan Map (1,024Hz)
Fig. II-2-13 (2)	Apparent Resistivity Plan Map (512Hz)
Fig. II-2-13 (3)	Apparent Resistivity Plan Map (256Hz)
Fig. II-2-13 (4)	Apparent Resistivity Plan Map (64Hz)
Fig. II-2-13 (5)	Apparent Resistivity Plan Map (16Hz)
Fig. II-2-14 (1)	Resistivity Section (Section-A, B)
Fig. II-2-14 (2)	Resistivity Section (Section-C, D)
Fig. II-2-14 (3)	Resistivity Section (Section-E, F)
Fig. II-2-14 (4)	Resistivity Section (Section-G, H)
Fig. II-2-14 (5)	Resistivity Section (Section-I, J)
Fig. II-2-15 (1)	Resistivity Structural Map (-50m G.L.)
Fig. II-2-15 (2)	Resistivity Structural Map (-100m G.L.)
Fig. II-2-15 (3)	Resistivity Structural Map (-200m G.L.)
Fig. II-2-16	Interpretaion Map
Fig. II-2-17	Gold Occurrences in Tapah-Bidor Area
Fig. II-3-1	Location Map of Boreholes and Section Lines
Fig. II-3-2	Quaternary Geological Sections in the Teluk Intan Area
Fig. II-4-1	Geological Map and Distribution Map of Mineral Showings of the Area C
Fig. II-4-2	Stratigraphic Section of the Area C
Fig. II-4-3 (1)	Geochemical Anomaly Map of Au in Heavy Mineral Concentrate
Fig. II-4-3 (2)	Geochemical Anomaly Map of Sn in Heavy Mineral Concentrate

- Fig. II-4-3 (3) Geochemical Anomaly Map of W in Heavy Mineral Concentrate
- Fig. II-4-4 (1) Factor Analysis Map of Factor 1 in Heavy Mineral Concentrate
- Fig. II-4-4 (2) Factor Analysis Map of Factor 2 in Heavy Mineral Concentrate
- Fig. II-4-4 (3) Factor Analysis Map of Factor 3 in Heavy Mineral Concentrate
- Fig. II-4-4 (4) Factor Analysis Map of Factor 4 in Heavy Mineral Concentrate
- Fig. II-4-5 (1) Geochemical Anomaly Map of Au in Silt
- Fig. II-4-5 (2) Geochemical Anomaly Map of Sn in Silt
- Fig. II-4-6 (1) Factor Analysis Map of Factor 1 in Silt
- Fig. II-4-6 (2) Factor Analysis Map of Factor 3 in Silt

List of Tables

Table I-1	Amount of Survey and Analytical Item
Table I-2	Time Schedule of Phase I Work
Table I-3	Monthly Average Temperature and Rainfall in Teluk Intan
Table I-4	A Comparison of the Tin Mineralization of the Main Range Belt with that of the Eastern Belt
Table I-5	Yearly Tin (SnO_2) Production from the Whole Batang Padang Area
Table I-6	Yearly Gold Production from the Whole Batang Padang Area
Table I-7	Gold Contents in Anomalous Zone (Heavy Mineral Concentrate)
Table II-1-1	List of Elements Analyzed
Table II-1-2	Specification and Amount of CSAMT Survey
Table II-1-3	Time Schedule of CSAMT Method for the Tapah Area
Table II-1-4	CSAMT Equipment Used
Table II-1-5	Semiquantitative Mineral Examination
Table II-2-1	Chemical Compositions and CIPW Norm
Table II-2-2	Statistical Values of Each Element (Rock)
Table II-2-3	Average Weights of Heavy Minerals per Standard Dulang (Heavy Mineral Concentrate)
Table II-2-4	Statistical Values of Each Element (Heavy Mineral Concentrate) (1)~(3)
Table II-2-5	Statistical Values of Each Element (Silt) (1)~(3)
Table II-2-6	Electrical Properties of Rock Samples
Table II-4-1	Statistical Values of Each Element (Rock)
Table II-4-2	Statistical Values of Each Element (Heavy Mineral Concentrate)
Table II-4-3	Statistical Values of Each Element (Silt)

LIST OF APPENDIXES

Photo A-1	Microphotograph of Thin Section
Photo A-2	Microphotograph of Polished Section
Fig. A-1	Histogram of Heavy Mineral Concentrate, Area A (1)~(3)
Fig. A-2	Histogram of Heavy Mineral Concentrate, Area C (1)~(4)
Fig. A-3	Histogram of Silt, Area A
Fig. A-4	Histogram of Silt, Area C (1), (2)
Fig. A-5	1-D Amalysis Curve
Table A-1	Microscopic Observation (Thin Section)
Table A-2	Microscopic Observation (Polished Section)
Table A-3	Assay Results of Ore Samples
Table A-4	Results of Xray Diffraction Analysis
Table A-5	Results of Semiquantitative Mineral Examination (QME) (1)~(5)
Table A-6-1	Number of Dulang and Total Weight of Heavy Mineral Concentrate, Area A (1)~(8)
Table A-6-2	Number of Dulang and Total Weight of Heavy Mineral Concentrate, Area C (1)~(2)
Table A-7-1	Results of Geochemical Analysis (Heavy Mineral Concentrate) , Area A (1)~(36)
Table A-7-2	Results of Geochemical Analysis (Heavy Mineral Concentrate) , Area C (1)~(8)
Table A-8	Results of Geochemical Analysis (Silt) (1)~(2)
Table A-9	Results of Geochemical Analysis (Rock) (1)~(9)
Table A-10	List of CAMT Results

List of Plates

PL.1-1	Location Map of the Stream Sediment Samples (Concentrates and Silts) (Area A, 1 : 100,000)	
PL.1-2	Location Map of the Stream Sediment Samples (Concentrates and Silts) (Area C, 1 : 100,000)	
PL.2-1	Location Map of the Tested Samples (Area A, 1 : 100,000)	
PL.2-2	Location Map of the Tested Samples (Area C, 1 : 100,000)	
PL.3-1	Geological Map of the Area A (1 : 50,000) (1)~(4)	
PL.3-2	Geological Map of the Area C (1 : 50,000)	
PL.4-1	Geological Profile of the Area A (1 : 50,000)	
PL.4-2	Geological Profile of the Area C (1 : 50,000)	
PL.5-1	Results of Semiquantitative Mineral Examination-Area A (1 : 100,000)	
PL.5-2	Results of Semiquantitative Mineral Examination-Area C (1 : 100,000)	
PL.6	Location Map of Stations	1 : 5,000
PL.7-1	Apparent Resistivity Plan Map (2,048Hz)	1 : 5,000
PL.7-2	Apparent Resistivity Plan Map (1,024Hz)	1 : 5,000
PL.7-3	Apparent Resistivity Plan Map (512Hz)	1 : 5,000
PL.7-4	Apparent Resistivity Plan Map (256Hz)	1 : 5,000
PL.7-5	Apparent Resistivity Plan Map (128Hz)	1 : 5,000
PL.7-6	Apparent Resistivity Plan Map (64Hz)	1 : 5,000
PL.7-7	Apparent Resistivity Plan Map (32Hz)	1 : 5,000
PL.7-8	Apparent Resistivity Plan Map (16Hz)	1 : 5,000
PL.7-9	Apparent Resistivity Plan Map (8Hz)	1 : 5,000
PL.7-10	Apparent Resistivity Plan Map (4Hz)	1 : 5,000
PL.8-1	Resistivity Structural Map (-50m G.L.)	1 : 5,000
PL.8-2	Resistivity Structural Map (-100m G.L.)	1 : 5,000
PL.8-3	Resistivity Structural Map (-200m G.L.)	1 : 5,000
PL.9	CSAMT Interpretation Map	1 : 5,000

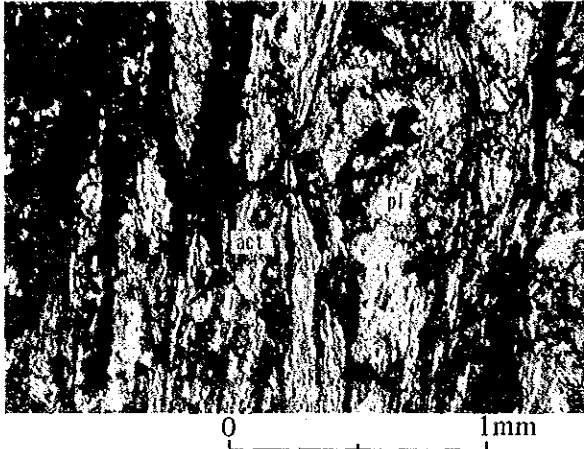
APPENDIXES

Photo A-1

Microphotograph of Thin Section

Abbreviation

q : quartz
pl : plagioclase
K-f : potash felspar
mc : microcline
bt : biotite
act : actinolite

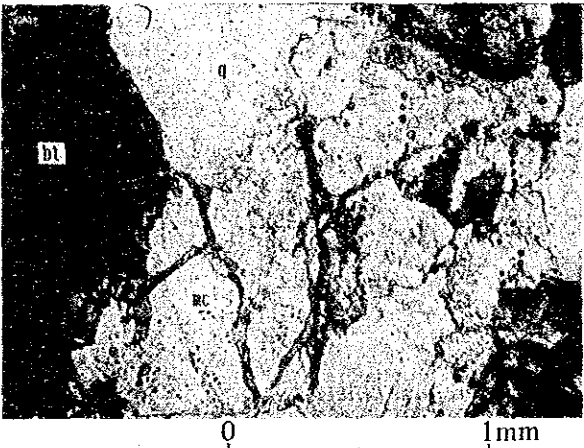


Sample No. : F24
Rock name : green schist
Location : Bidor
Texture : fibroblastic

(only lower polar)



(crossed polars)

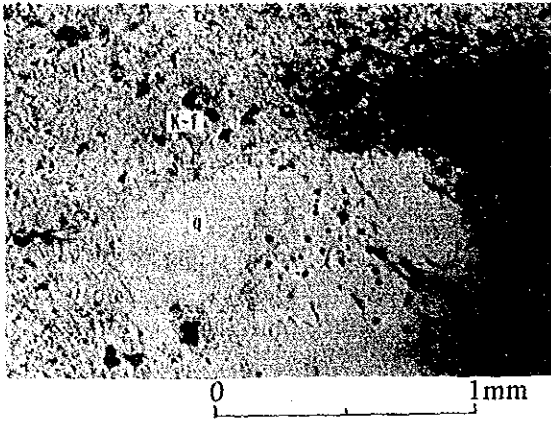


Sample No. : A04
Rock name : granite (equigranular)
Location : Tapah
Texture : granitic

(only lower polar)

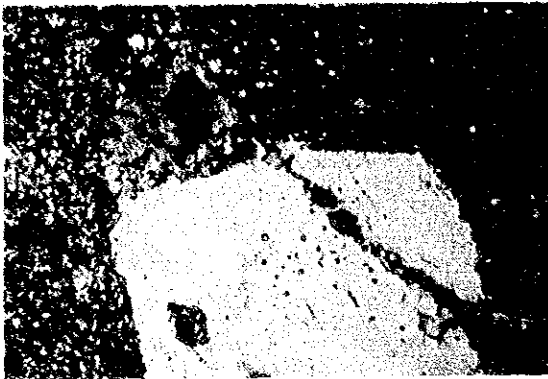


(crossed polars)

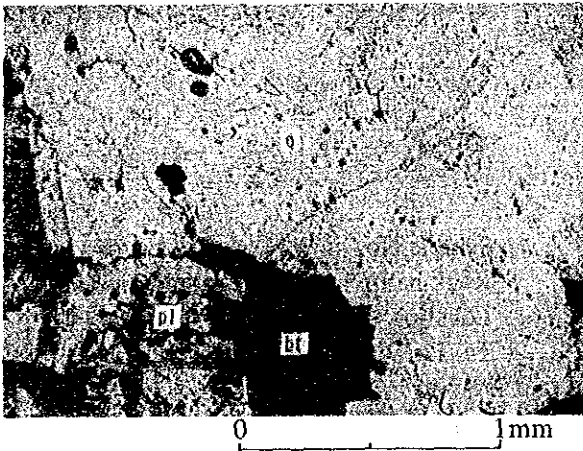


Sample No. : F06
Rock name : granite porphyry
Location : Changkat Rembien
Texture : porphyritic

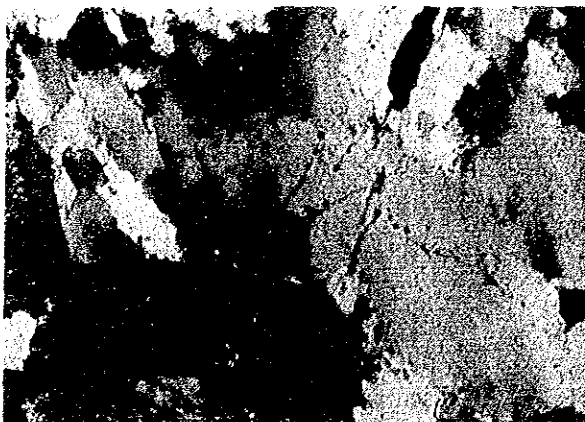
(only lower polar)



(crossed polars)



(crossed polars)



Sample No. : S14
Rock name : granite
Location : Chindriang
Texture : granitic

(only lower polar)

Photo A-2

Microphotograph of Polished Section

Abbreviation

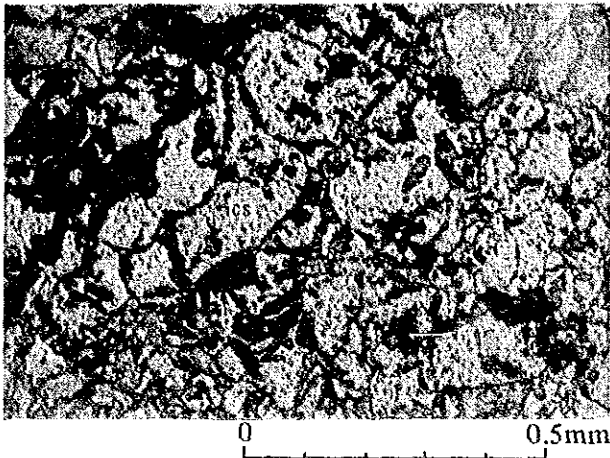
cs : cassiterite

py : pyrite

mg : magnetite

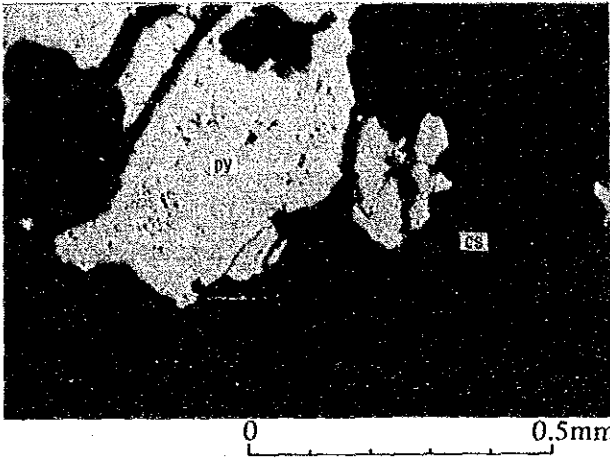
goe : goethite

q : quartz



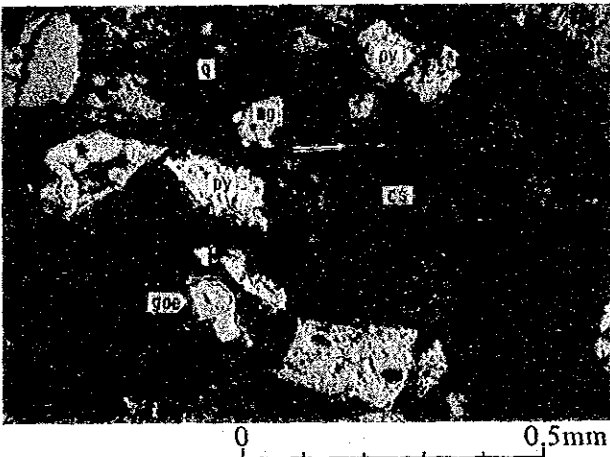
Sample No. : F10
Ore name : cassiterite-tourmaline-
quartz vein
Location : Ct. Rembian

(only lower polar)



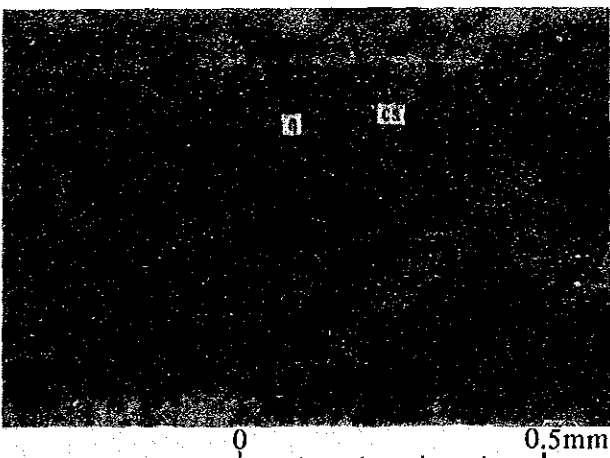
Sample No. : F56A
Ore name : cassiterite-quartz vein
Location : Batu Rembong

(only lower polar)



Sample No. : F431A
Ore name : fine grained concentrate
Location : Batu Rembong

(only lower polar)



Sample No. : H40A
Ore name : cassiterite-tourmaline-
quartz vein
Location : West branch of S. Ringat

(only lower polar)

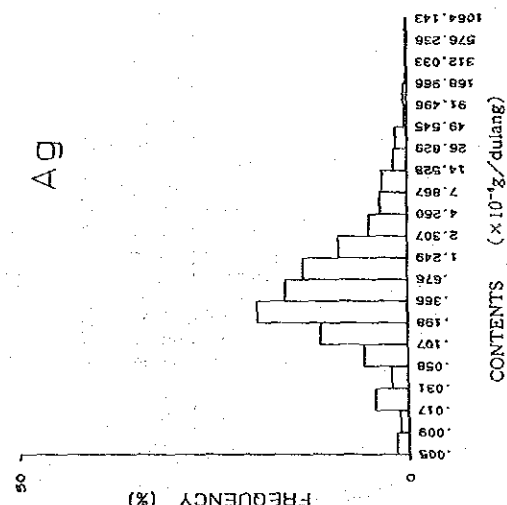
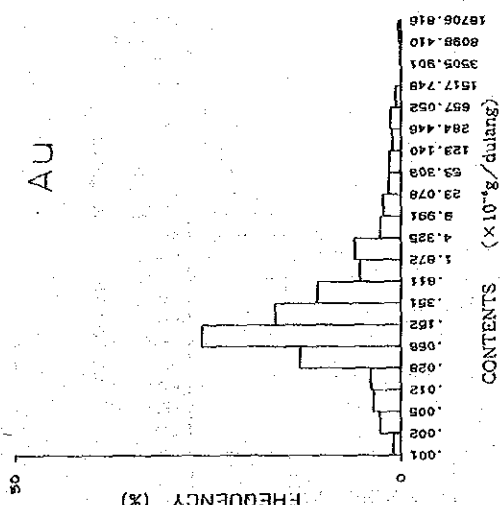
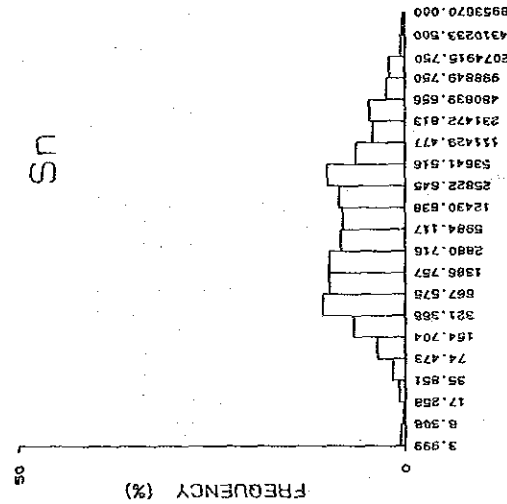
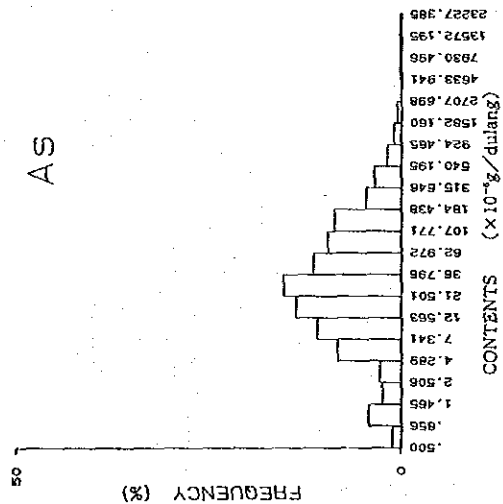
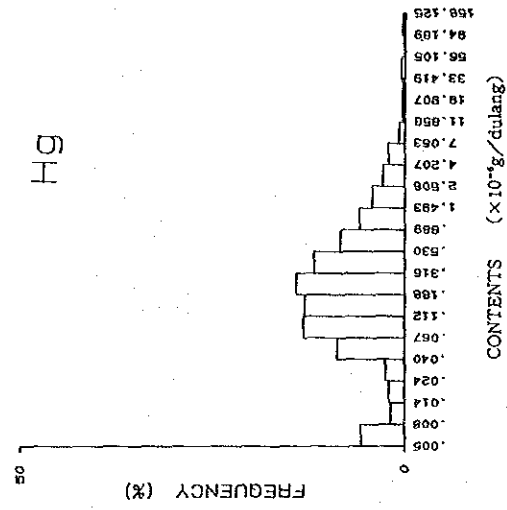
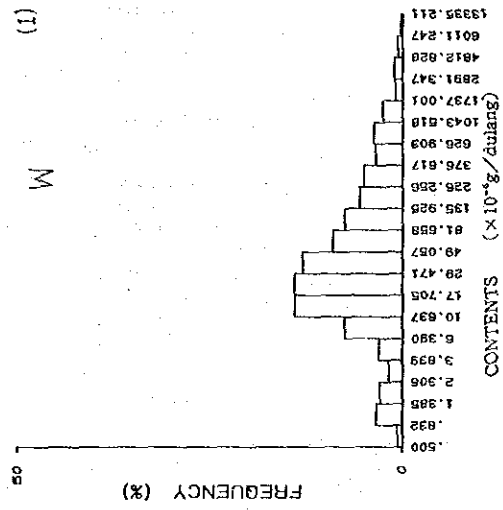
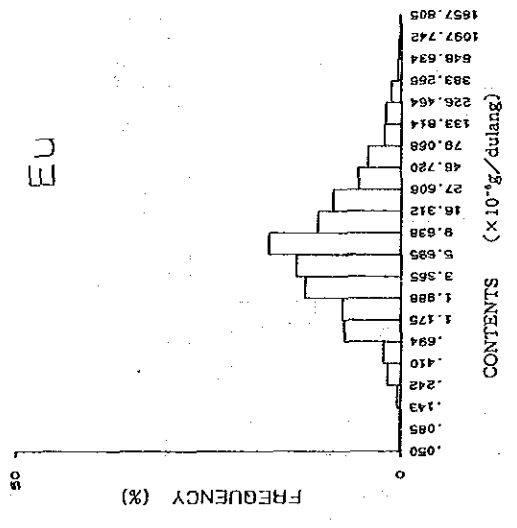
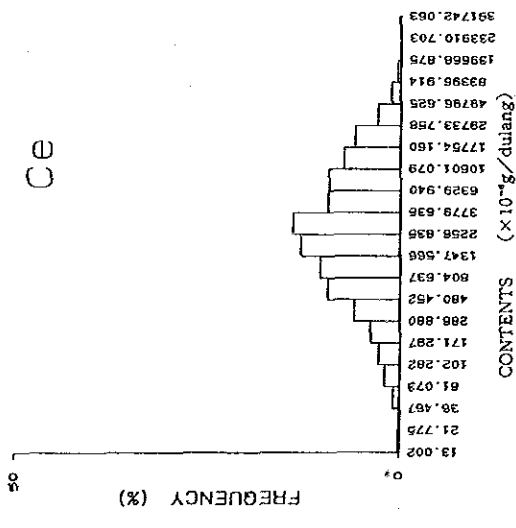
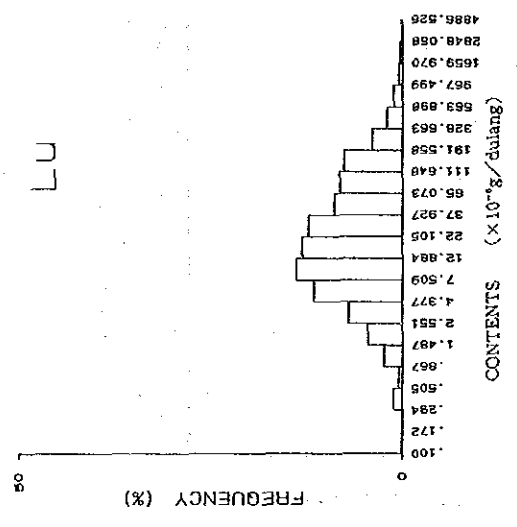
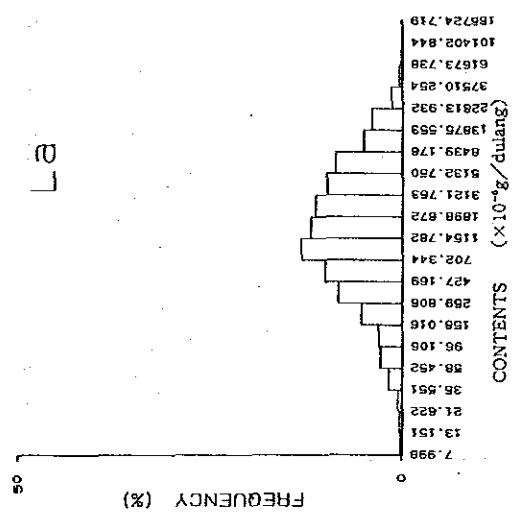
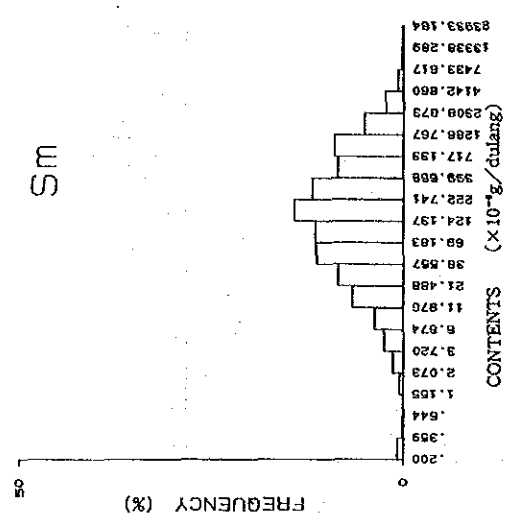
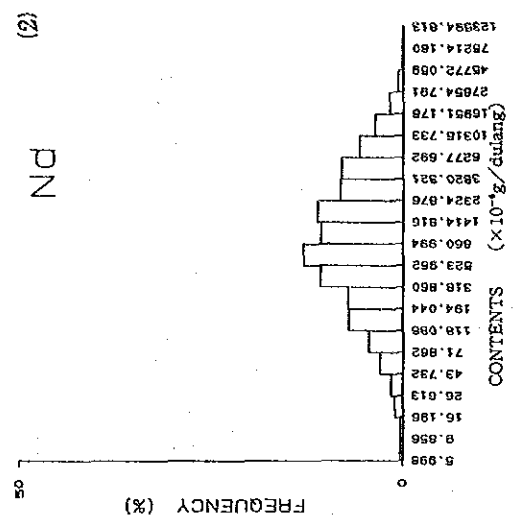
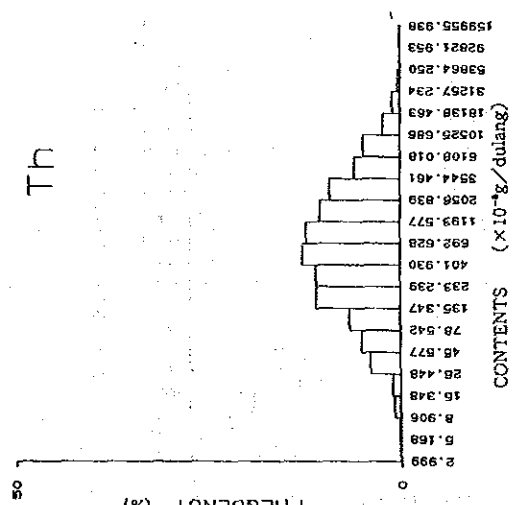
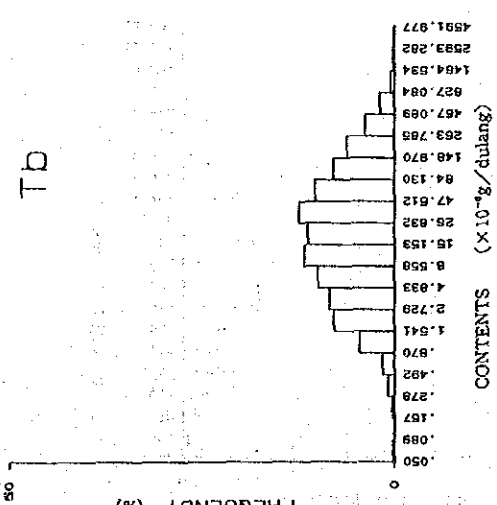
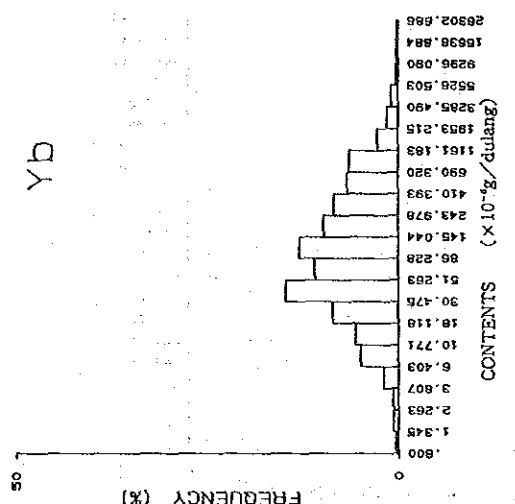
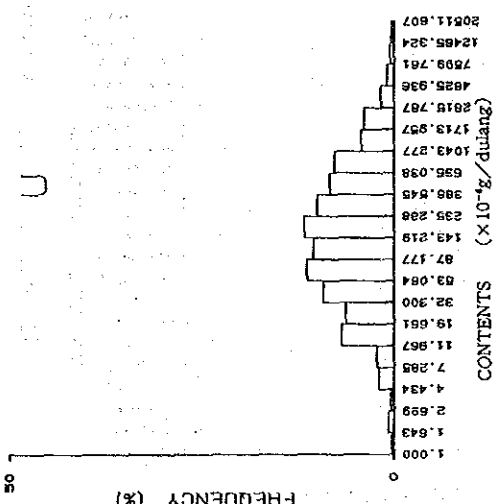
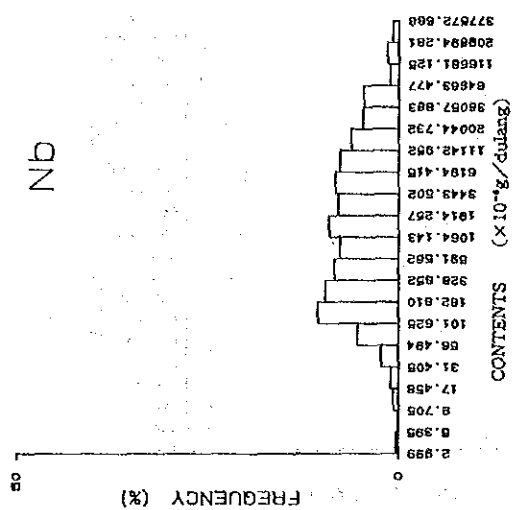
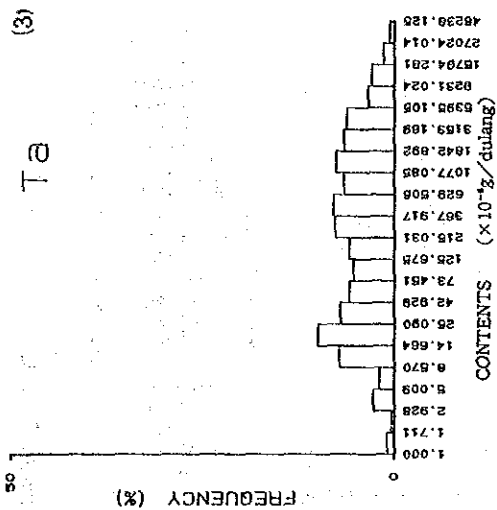


Fig. A-1 Histogram of Heavy Mineral Concentrate, Area A





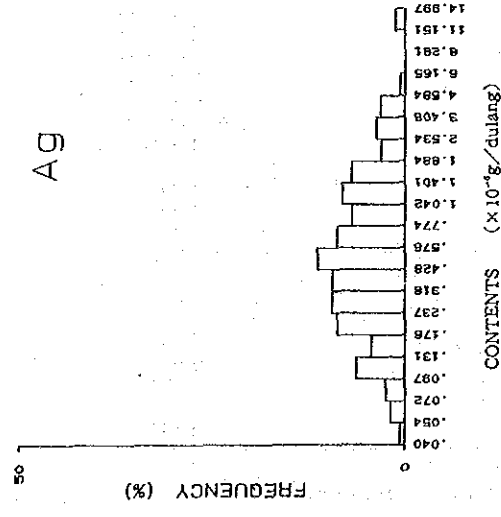
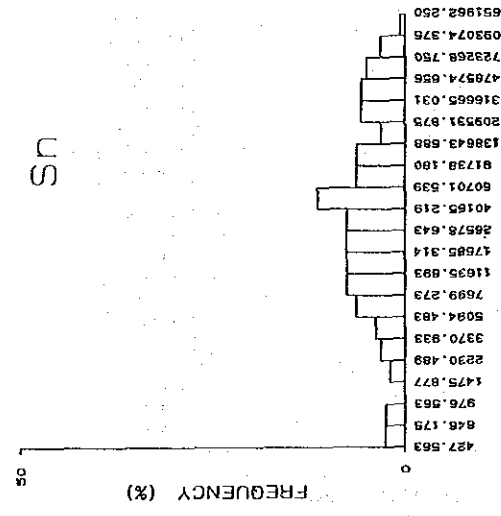
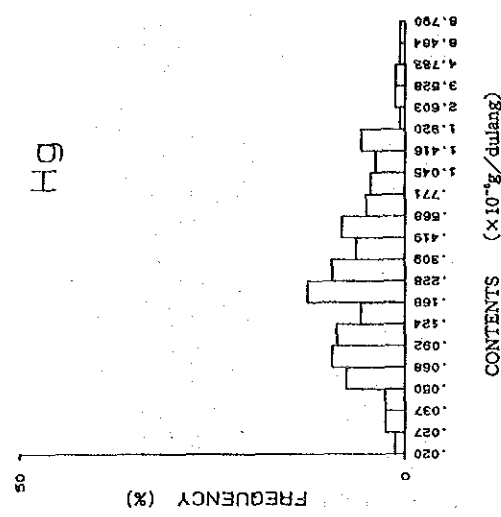
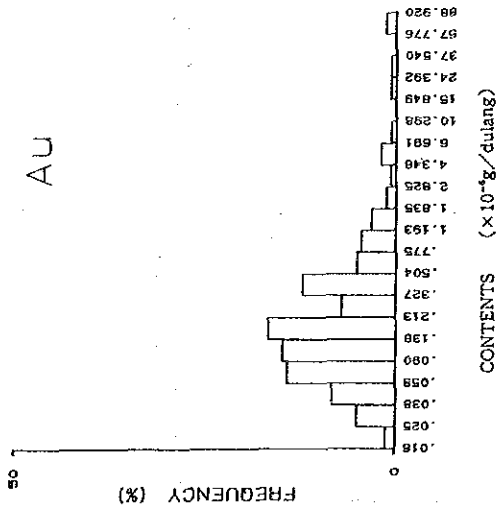
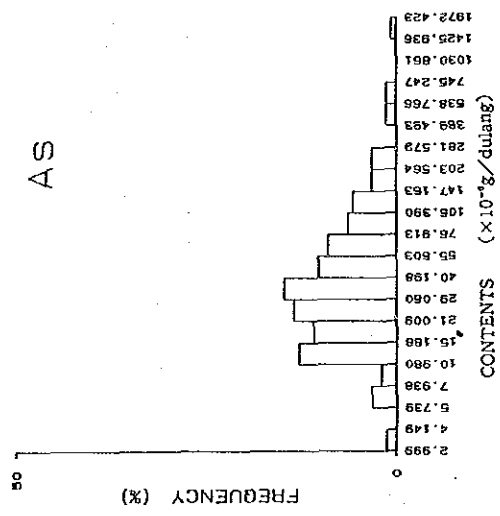
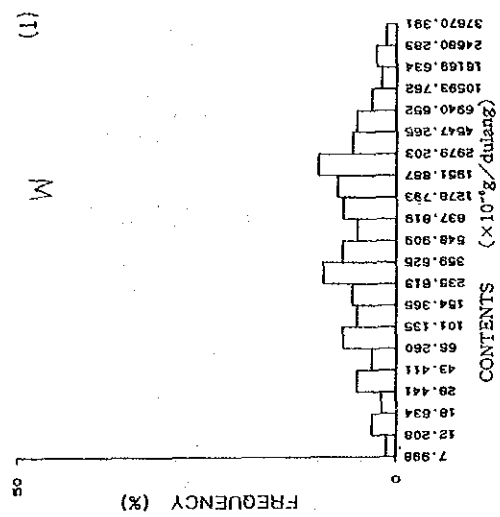
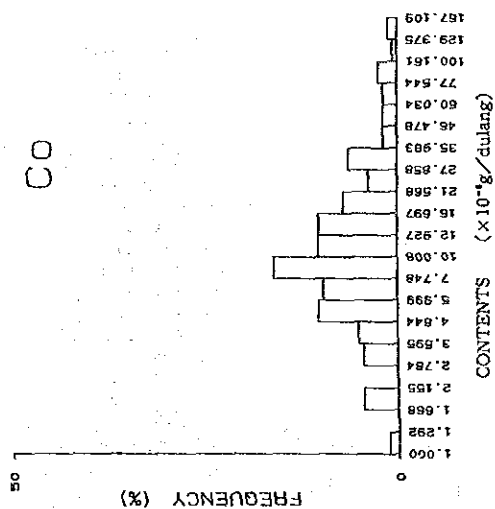
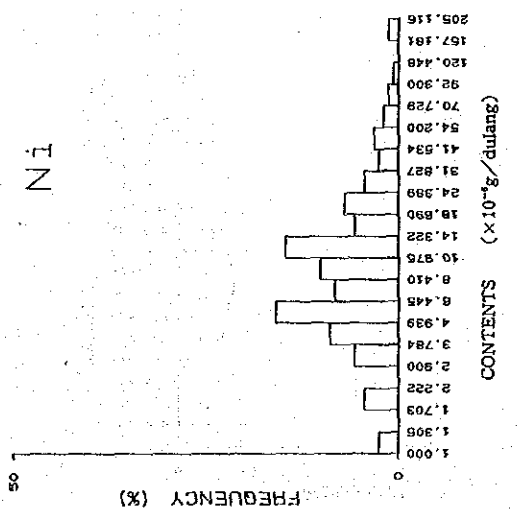
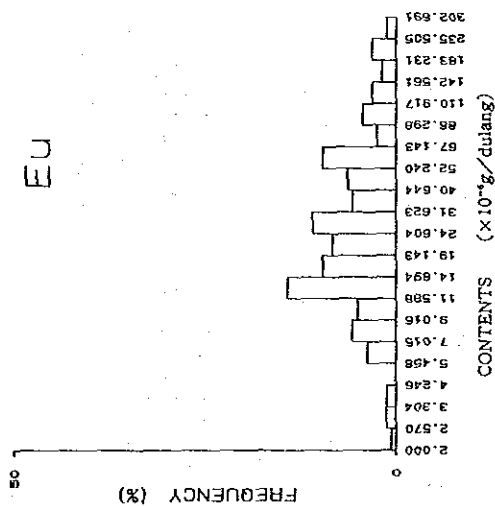
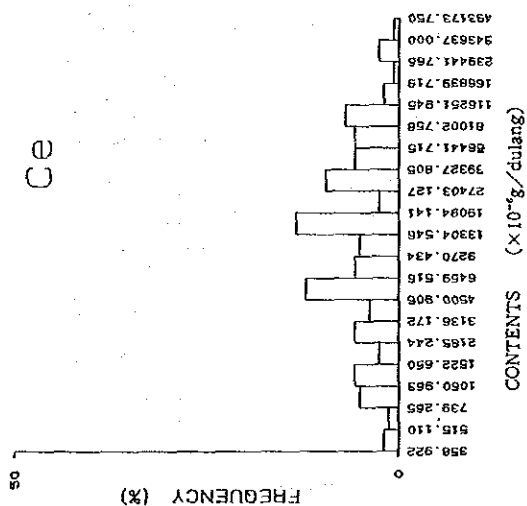
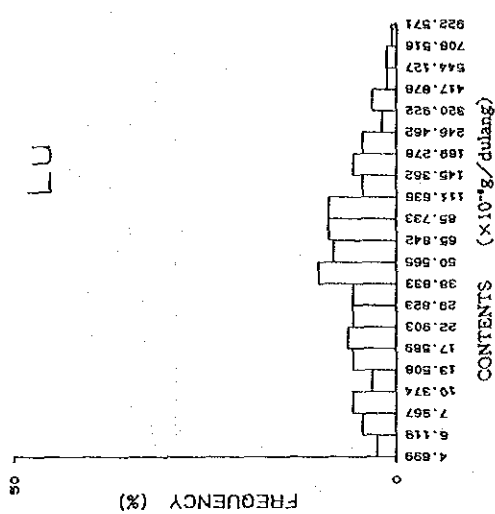
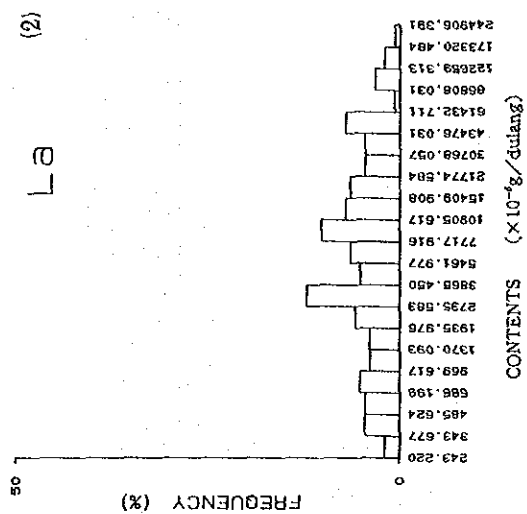
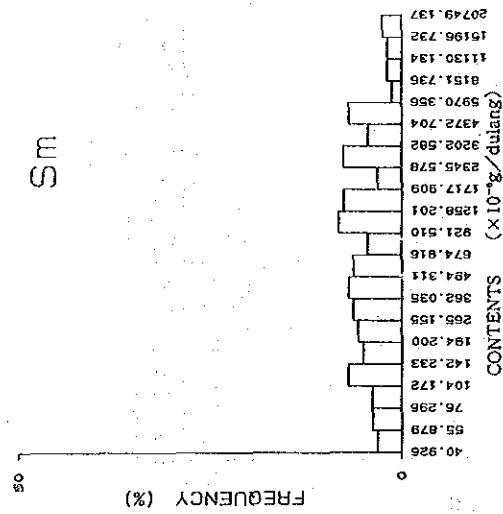
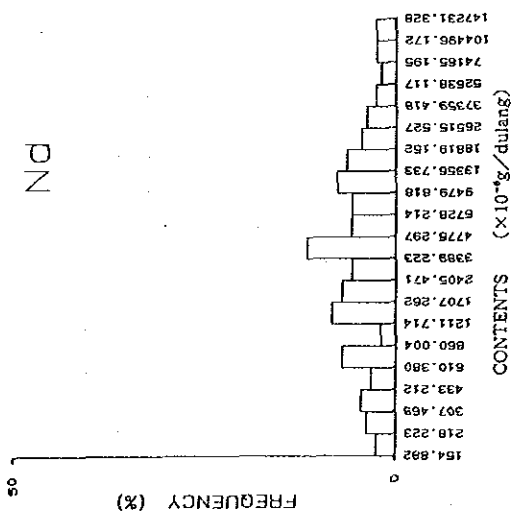
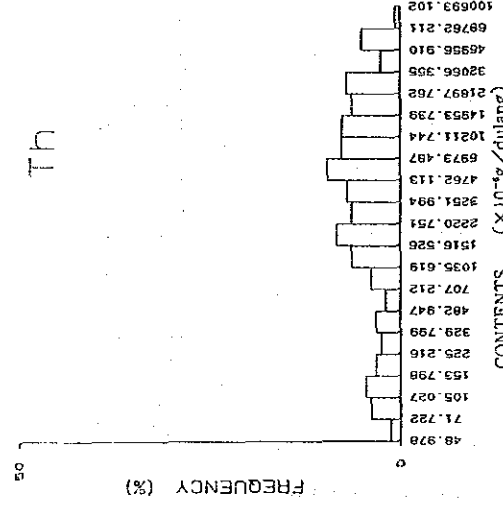
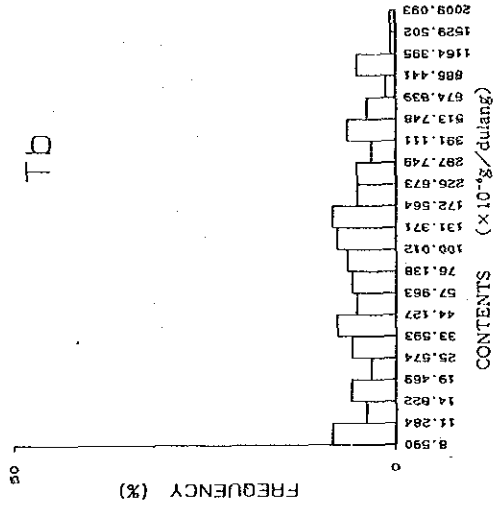
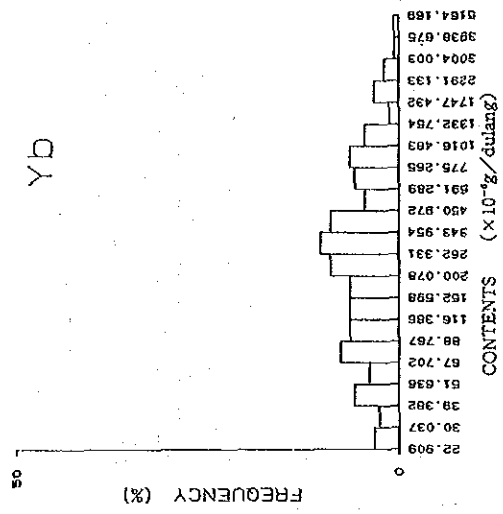
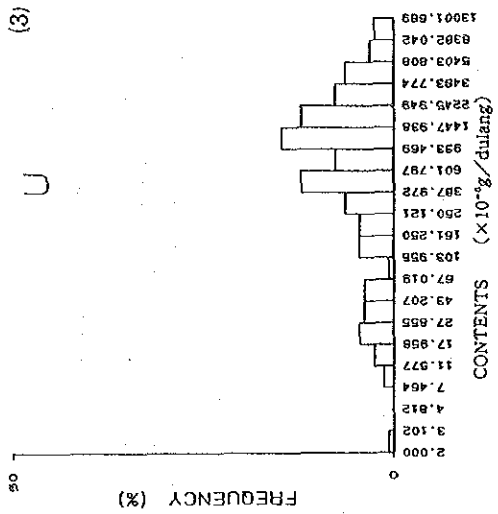
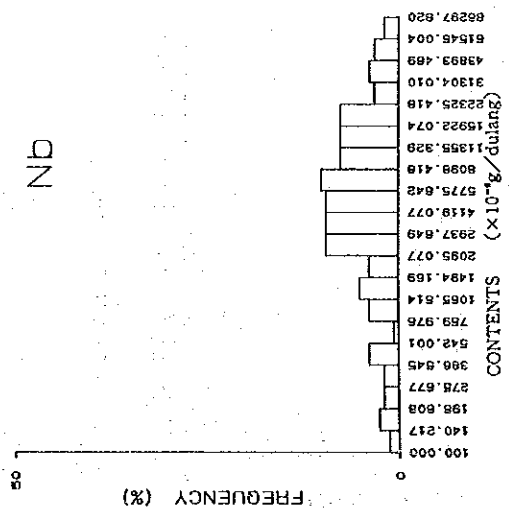
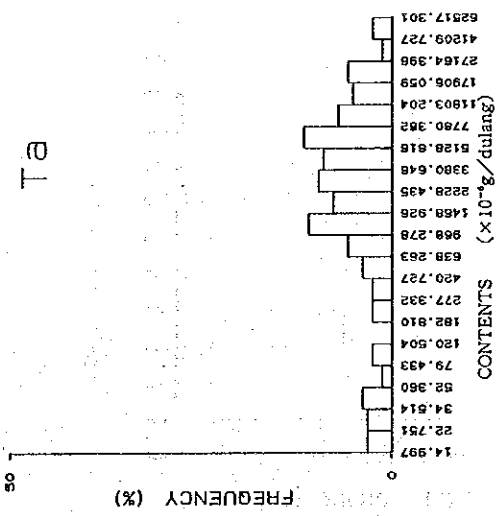


Fig. A-2 Histogram of Heavy Mineral Concentrate, Area C





(4)



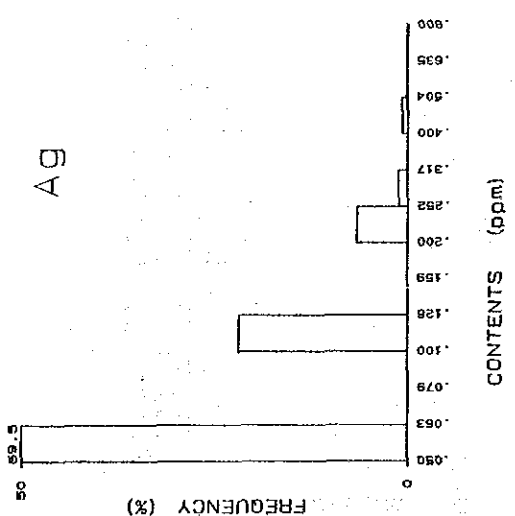
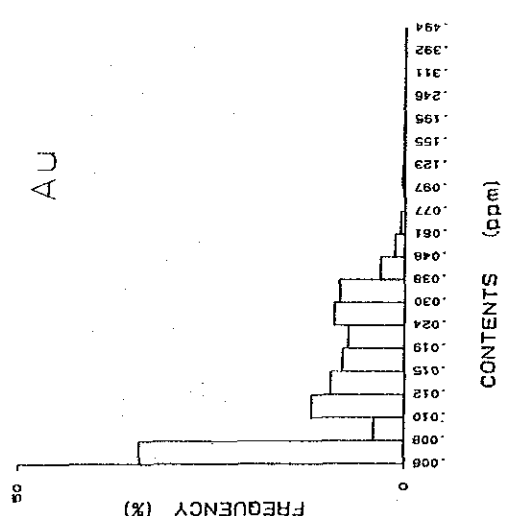
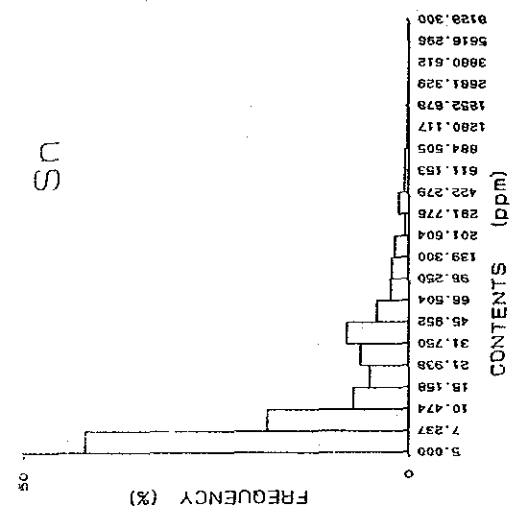
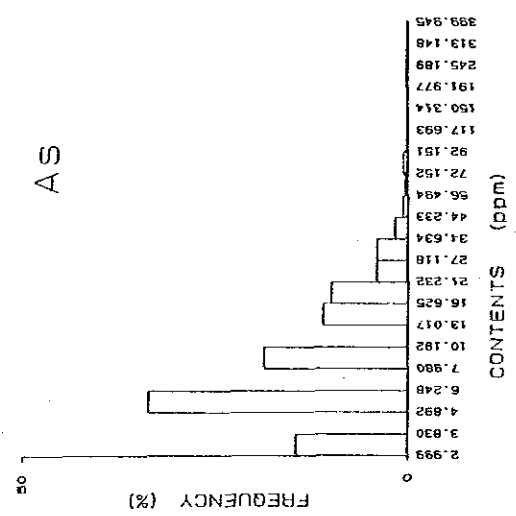
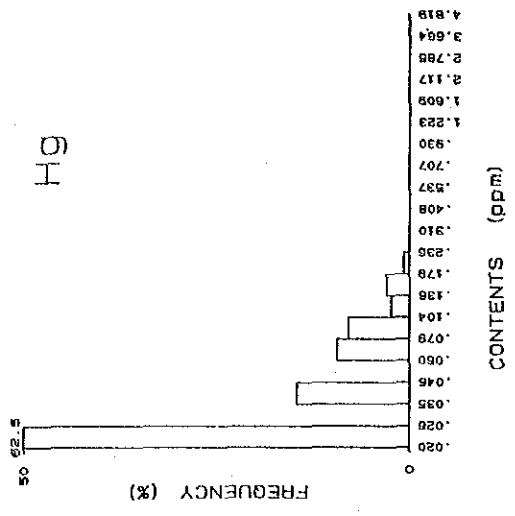
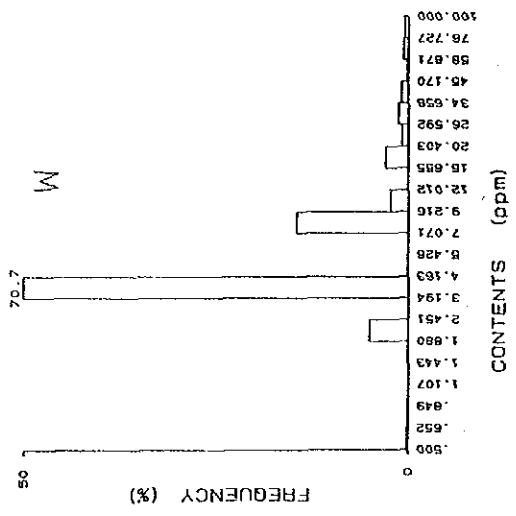


Fig. A-3 Histogram of Silt, Area A

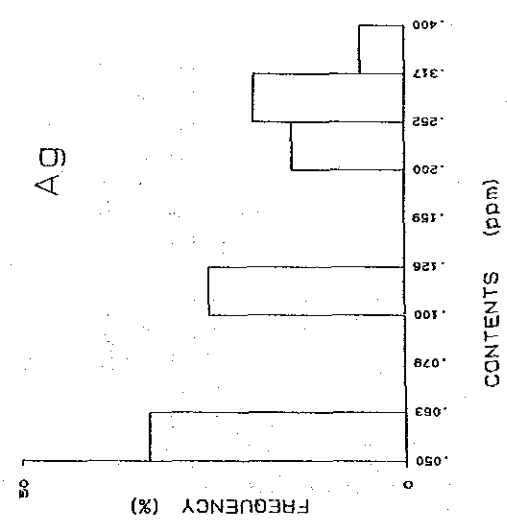
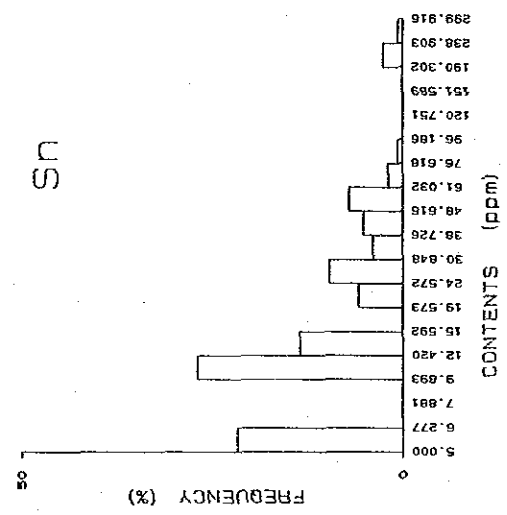
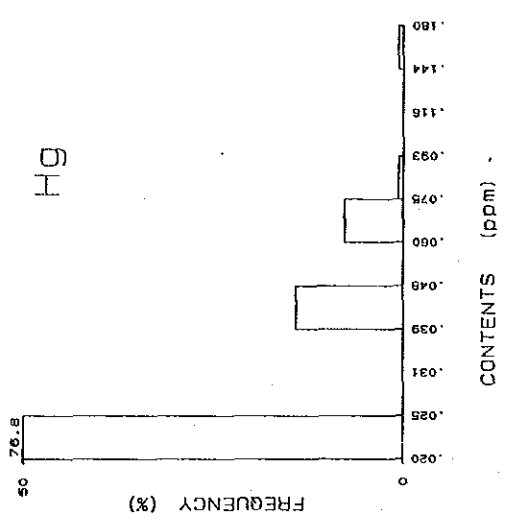
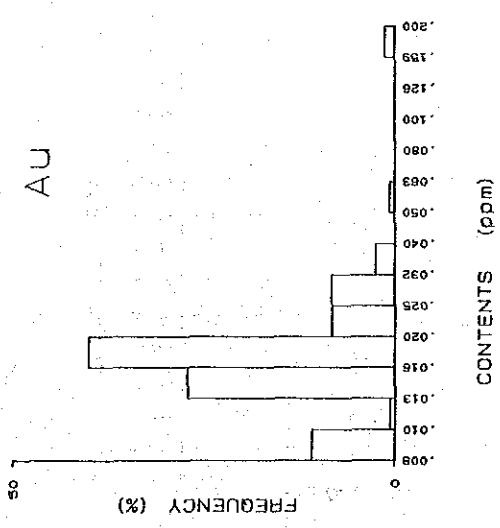
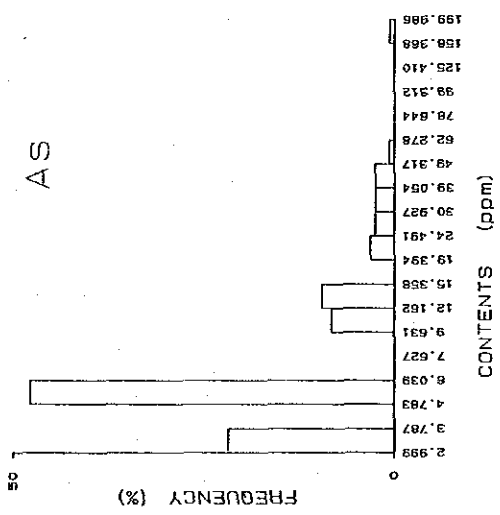
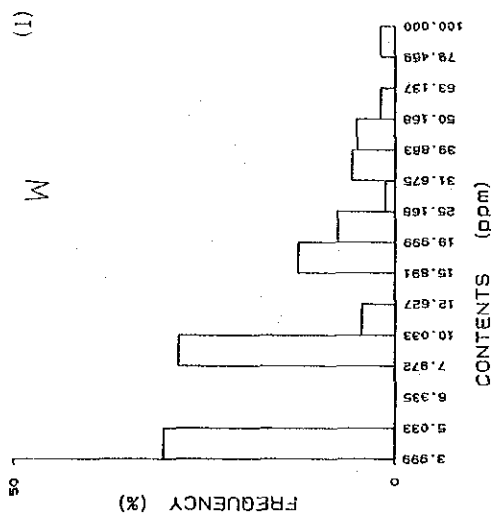


Fig. A-4 Histogram of Silt, Area C

(2)

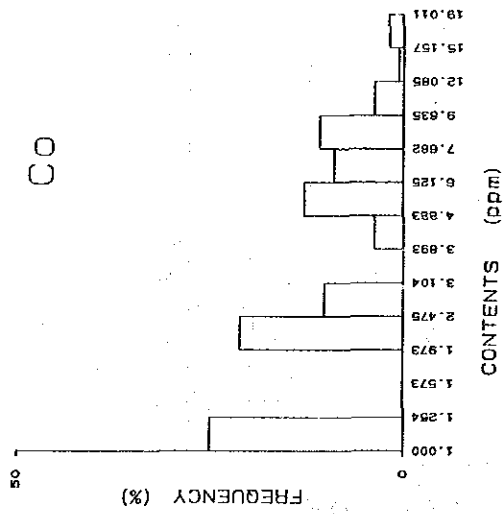
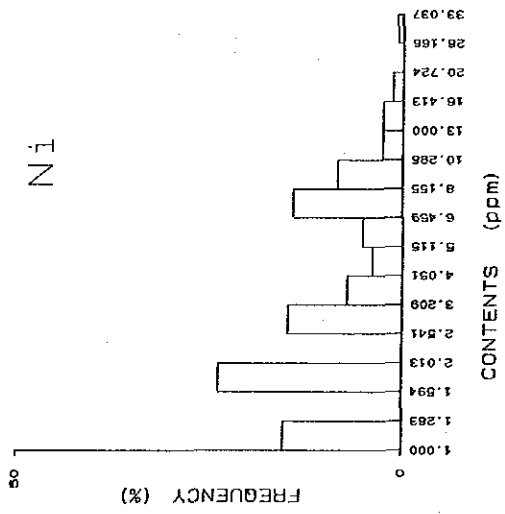
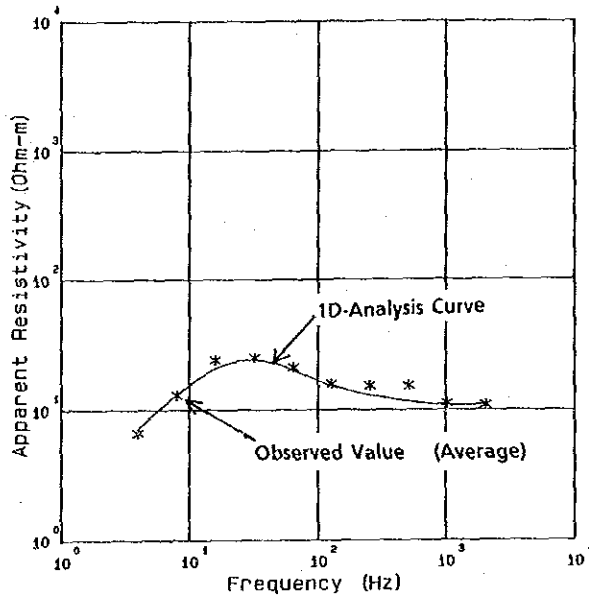


Fig. A-5

1-D Analysis Curve

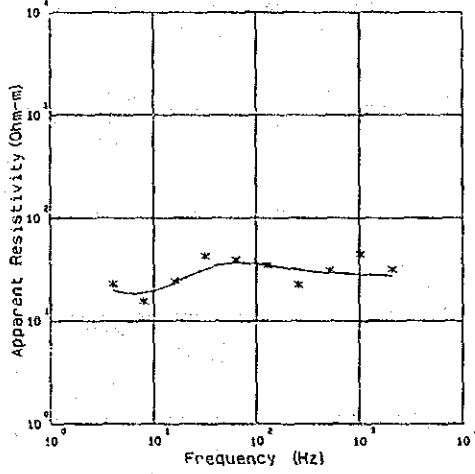
LEGEND

MALAYSIA CSAMT No. 57



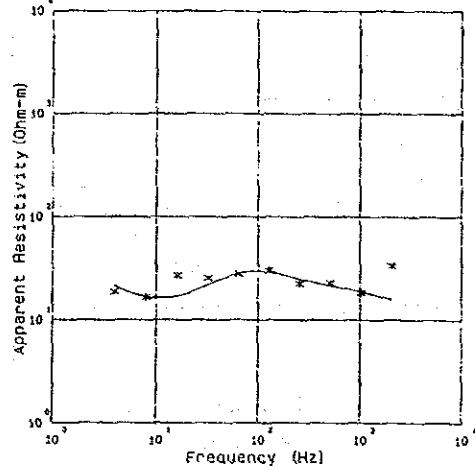
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	108	110	115.0	101.0
1024.0	111	109		
512.0	152	116	259.0	1281.0
256.0	153	130		
128.0	158	153	.5	Infinite
64.0	212	202		
32.0	252	243		
16.0	241	207		
8.0	129	130		
4.0	67.2	72.6		

MALAYSIA CSAMT No. 1



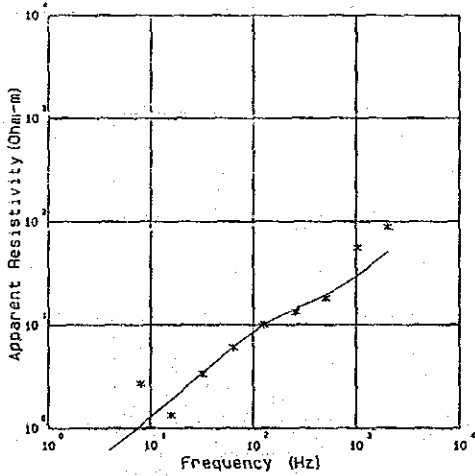
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	318	278	Rho (Ohm-a)	Thickness (a)
1024.0	448	284	281.0	186.0
512.0	312	295		
256.0	225	315	371.0	1050.0
128.0	349	349		
64.0	395	369	87.9	954.0
32.0	430	321		
16.0	244	235	3510.0	Infinite
8.0	154	187		
4.0	230	198		

MALAYSIA CSAMT No. 3



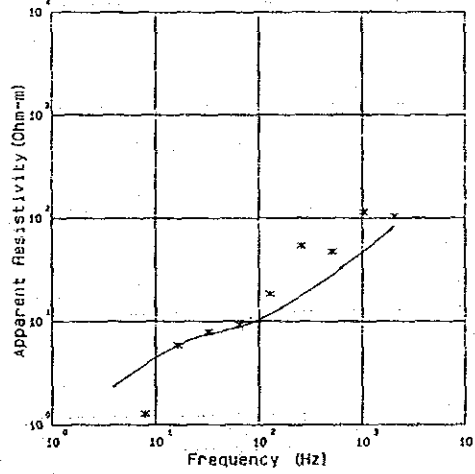
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	335	158	Rho (Ohm-a)	Thickness (a)
1024.0	184	188	97.7	35.0
512.0	228	216		
256.0	225	250	318.0	976.0
128.0	303	292		
64.0	279	284	53.0	400.0
32.0	254	219		
16.0	270	170	1910.0	Infinite
8.0	165	167		
4.0	188	212		

MALAYSIA CSAMT No. 5



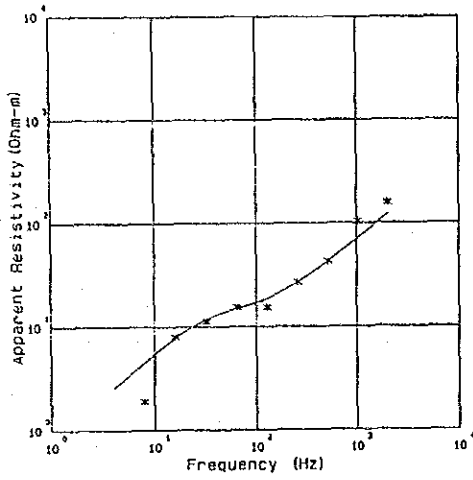
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	886	513	Rho (Ohm-a)	Thickness (a)
1024.0	558	302	5000.0	147.0
512.0	191	195		
256.0	133	143	39.6	203.0
128.0	100	100		
64.0	60.5	60.8	.5	Infinite
32.0	33.7	34.2		
16.0	13.4	18.9		
8.0	27.3	10.6		
4.0	2.33	6.17		

MALAYSIA CSAMT No. 6



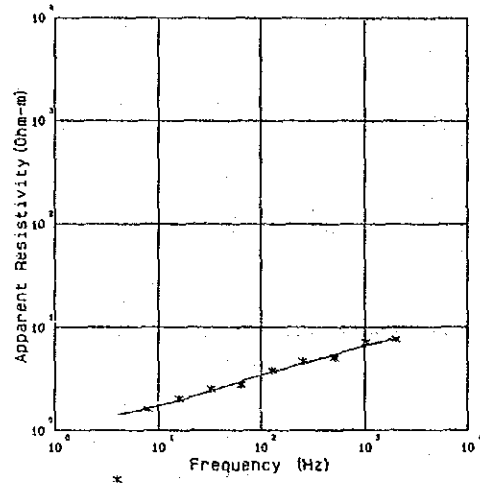
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	1040	836	Rho (Ohm-a)	Thickness (a)
1024.0	1150	476	4000.0	200.0
512.0	477	284		
256.0	549	177	30.0	590.0
128.0	184	117		
64.0	92.4	88.5	1.0	Infinite
32.0	79.3	79.0		
16.0	59.6	58.5		
8.0	12.8	39.5		
4.0	1.08	23.2		

MALAYSIA CSAMT No. 7



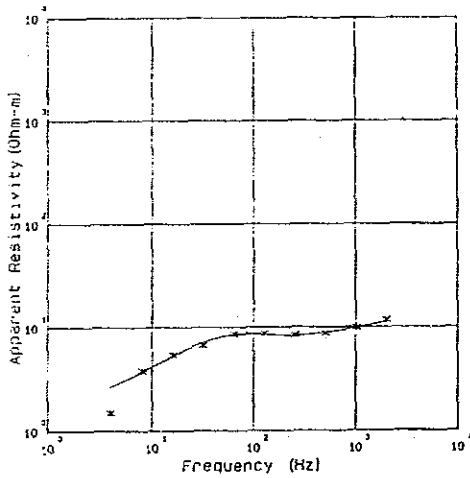
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	1550	1230	Rho (Ohm-m)	Thickness (m)
1024.0	1030	712		
512.0	428	427	1550.0	243.0
256.0	269	268	19.8	563.0
128.0	154	188		
64.0	154	150	.3	Infinite
32.0	112	117		
16.0	90.5	77.4		
8.0	19.0	45.3		
4.0	1.05	25.7		

MALAYSIA CSAMT No. 8



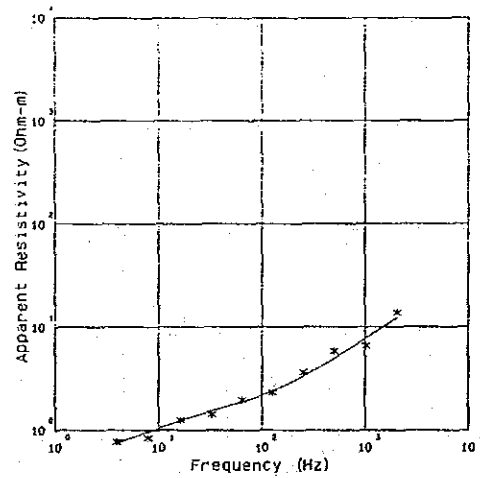
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	75.9	77.2	Rho (Ohm-m)	Thickness (m)
1024.0	71.1	67.1		
512.0	20.2	54.5	72.7	89.3
256.0	46.7	44.7	19.2	164.0
128.0	38.2	37.0		
64.0	27.6	30.1	9.6	Infinite
32.0	25.2	24.1		
16.0	20.3	19.6		
8.0	15.9	16.4		
4.0	3.24	14.2		

MALAYSIA CSAMT No. 9



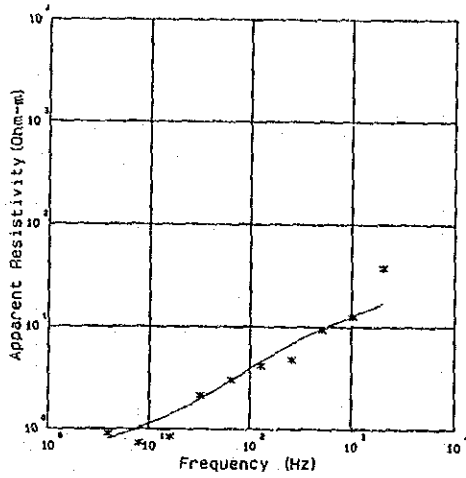
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	118	114	Rho (Ohm-m)	Thickness (m)
1024.0	98.8	89.3		
512.0	96.9	89.0	335.0	30.9
256.0	84.2	83.5	68.4	545.0
128.0	86.8	85.8		
64.0	86.3	35.2	8.1	Infinite
32.0	67.0	71.9		
16.0	54.3	52.9		
8.0	39.4	37.2		
4.0	19.0	26.6		

MALAYSIA CSAMT No. 10



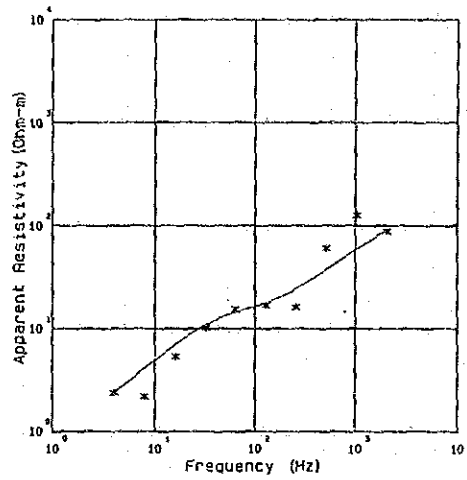
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	137	124	Rho (Ohm-m)	Thickness (m)
1024.0	65.6	78.4		
512.0	58.4	50.2	204.0	81.3
256.0	36.5	33.5	8.2	243.0
128.0	23.2	24.0		
64.0	19.7	18.9	3.2	Infinite
32.0	14.2	15.5		
16.0	12.5	12.4		
8.0	8.44	9.64		
4.0	7.68	7.97		

MALAYSIA CSAMT No. 11



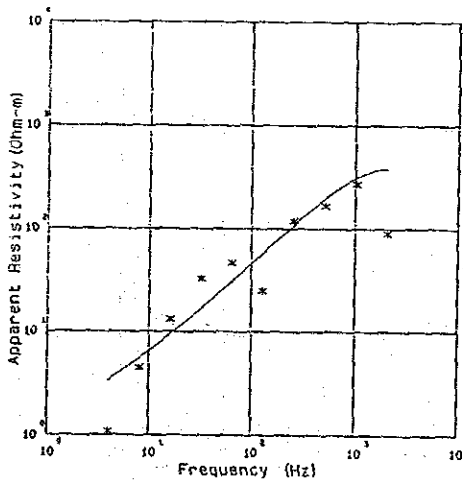
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	375	171	Rho (Ohm-m)	Thickness (a)
1024.0	125	128		
512.0	94.0	97.0	158.0	181.0
256.0	47.9	66.8	24.1	99.2
128.0	41.7	45.7		
64.0	30.2	29.6	4.2	Infinite
32.0	21.2	19.9		
16.0	8.41	13.9		
8.0	7.38	10.3		
4.0	9.07	8.11		

MALAYSIA CSAMT No. 12



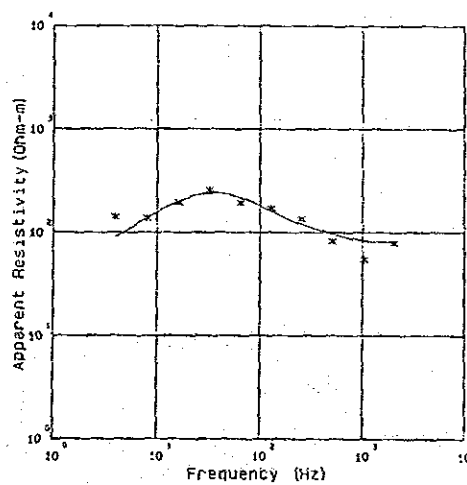
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	880	917	Rho (Ohm-m)	Thickness (a)
1024.0	1250	393		
512.0	603	376	1160.0	236.0
256.0	161	245	49.4	599.0
128.0	169	178		
64.0	155	145	1.4	Infinite
32.0	102	109		
16.0	53.5	70.1		
8.0	21.9	41.3		
4.0	23.9	24.1		

MALAYSIA CSAMT No. 13



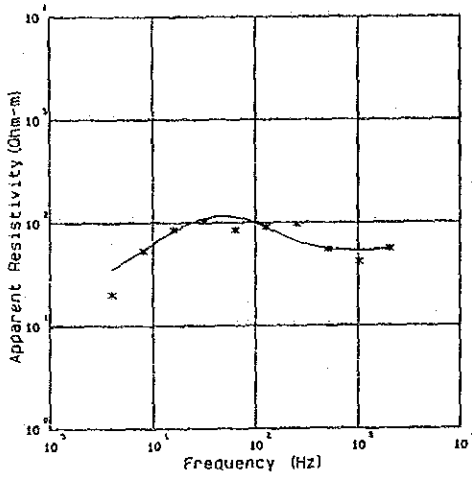
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	503	3830	Rho (Ohm-m)	Thickness (a)
1024.0	2710	3130		
512.0	1840	1960	3190.0	850.0
256.0	1190	1060	95.0	70.0
128.0	251	578		
64.0	488	309	5.0	Infinite
32.0	327	168		
16.0	131	94.5		
8.0	44.8	55.1		
4.0	10.9	32.8		

MALAYSIA CSAMT No. 15



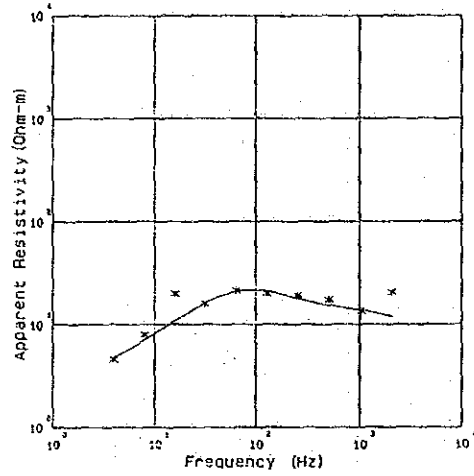
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	790	809	Rho (Ohm-m)	Thickness (a)
1024.0	949	835		
512.0	927	970	880.0	425.0
256.0	1350	1200	3390.0	3730.0
128.0	1680	1610		
64.0	1950	2190	125.0	Infinite
32.0	2800	2420		
16.0	1950	2000		
8.0	1370	1380		
4.0	1410	302		

MALAYSIA CSAMT No. 17



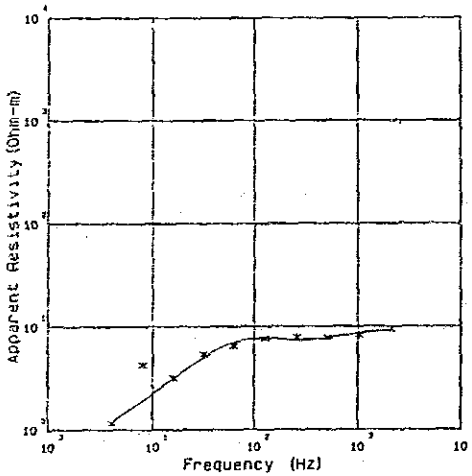
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	560	561	Rho (Ohm-c)	Thickness (m)
1024.0	418	539		
512.0	351	560	531.0	450.0
256.0	975	655	1940.0	1990.0
128.0	910	903		
64.0	348	1140	53.0	Infinite
32.0	1030	1100		
16.0	959	822		
8.0	933	443		
4.0	200	354		

MALAYSIA CSAMT No. 18



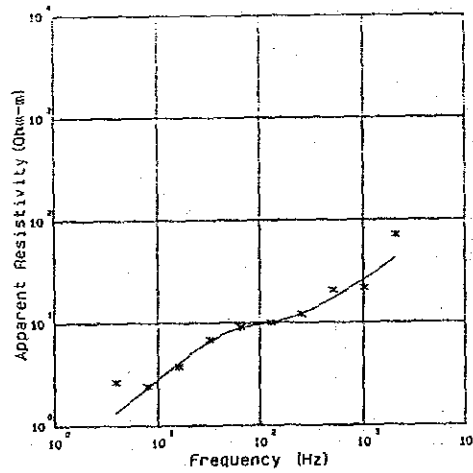
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	204	120	Rho (Ohm-c)	Thickness (m)
1024.0	134	138		
512.0	174	154	84.0	34.5
256.0	191	179	212.0	776.0
128.0	198	212		
64.0	213	210	10.5	Infinite
32.0	158	162		
16.0	198	109		
8.0	79.2	71.1		
4.0	45.8	47.5		

MALAYSIA CSAMT No. 19



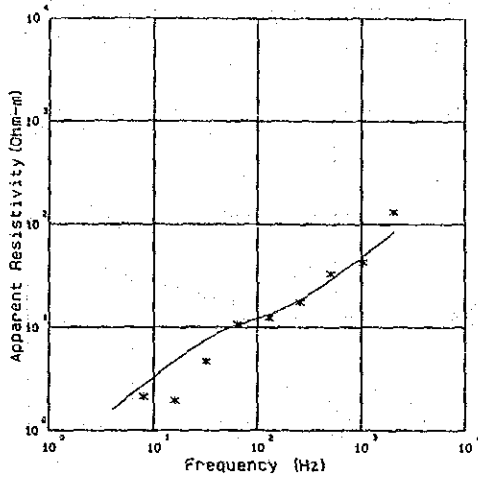
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	94.1	92.5	Rho (Ohm-c)	Thickness (m)
1024.0	82.9	85.3		
512.0	77.6	77.7	90.9	93.0
256.0	79.8	74.2	51.5	367.4
128.0	76.7	77.3		
64.0	68.0	70.5	1.5	Infinite
32.0	54.1	50.8		
16.0	31.8	31.7		
8.0	42.7	19.2		
4.0	11.6	11.8		

MALAYSIA CSAMT No. 20



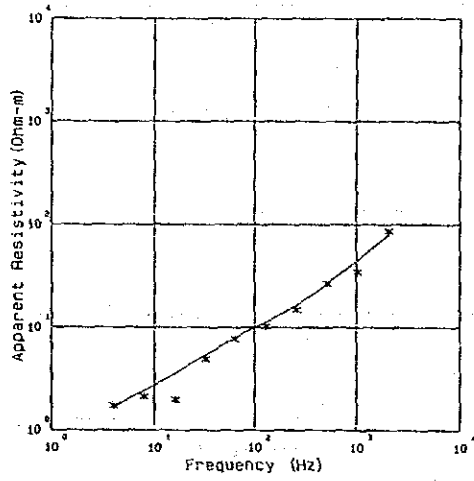
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	715	430	Rho (Ohm-c)	Thickness (m)
1024.0	218	268		
512.0	205	173	4800.0	126.0
256.0	120	122	40.5	431.0
128.0	100	101		
64.0	91.1	66.8	.7	Infinite
32.0	69.4	65.7		
16.0	37.6	40.7		
8.0	24.3	23.4		
4.0	28.6	13.4		

MALAYSIA CSAMT No. 21



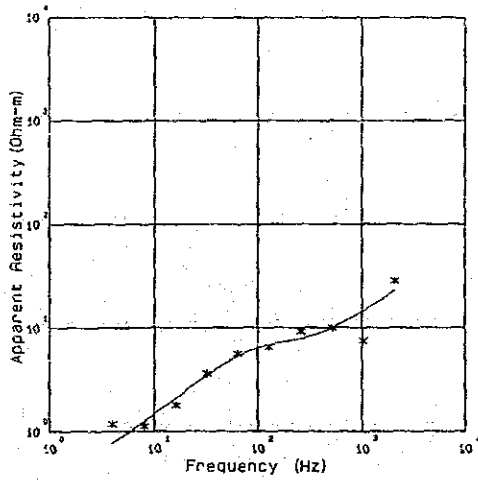
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	1300	844	3500.0	200.0
1024.0	424	487		
512.0	332	292	34.0	402.8
256.0	176	185		
128.0	123	133	1.0	Infinite
64.0	107	105		
32.0	46.7	75.9		
16.0	19.6	47.3		
8.0	21.2	27.6		
4.0	2.24	16.1		

MALAYSIA CSAMT No. 22



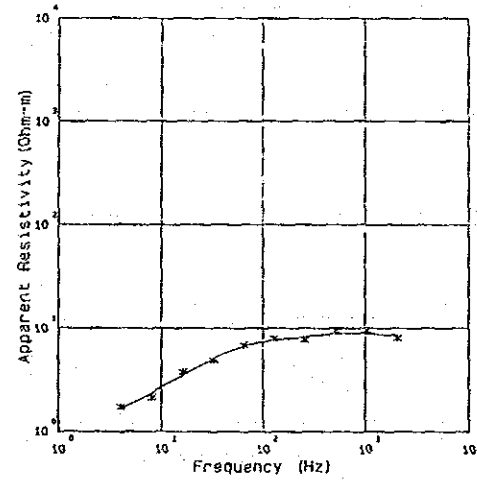
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	862	803	3190.0	200.0
1024.0	349	455		
512.0	268	265	23.6	281.0
256.0	148	165		
128.0	102	112	5.1	Infinite
64.0	77.0	79.3		
32.0	49.0	54.0		
16.0	19.7	39.9		
8.0	21.2	24.2		
4.0	17.3	17.0		

MALAYSIA CSAMT No. 23



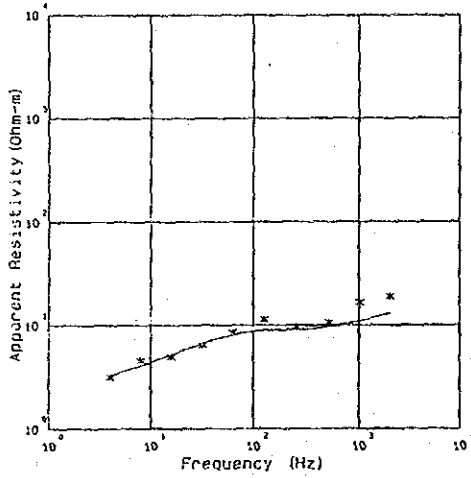
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	281	229	4610.0	85.6
1024.0	75.1	145		
512.0	101	100	30.0	281.0
256.0	92.5	78.8		
128.0	65.1	68.5	1.0	Infinite
64.0	56.1	53.2		
32.0	38.3	34.8		
16.0	17.9	20.9		
8.0	11.2	12.5		
4.0	11.9	7.58		

MALAYSIA CSAMT No. 24



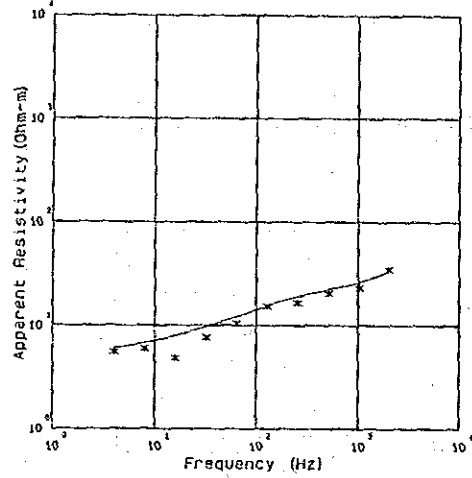
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	80.1	65.9	85.0	207.5
1024.0	95.0	89.5		
512.0	94.0	89.4	32.7	281.5
256.0	76.8	83.1		
128.0	79.0	77.0	1.4	Infinite
64.0	69.0	67.2		
32.0	49.2	51.1		
16.0	37.8	35.2		
8.0	21.4	23.8		
4.0	17.3	16.5		

MALAYSIA CSAMT No. 25



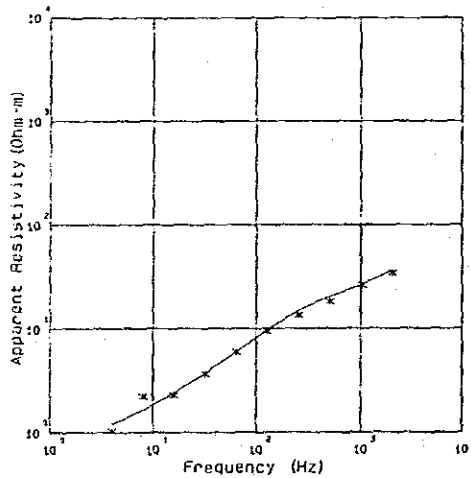
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
			Rho (Ohm-m)	Thickness (a)
2048.0	189	132		
1024.0	166	110		
512.0	108	98.8	442.0	38.3
256.0	98.4	91.1		
128.0	113	89.4		
64.0	84.9	81.5	58.9	142.0
32.0	64.7	66.9		
16.0	49.6	52.2		
8.0	45.7	40.8	17.3	Infinite
4.0	31.5	33.0		

MALAYSIA CSAMT No. 26



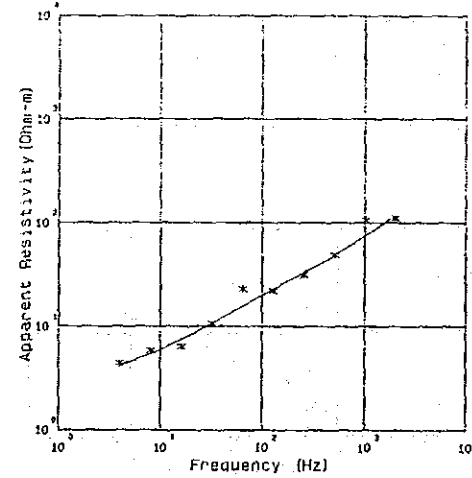
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
			Rho (Ohm-m)	Thickness (a)
2048.0	349	338		
1024.0	231	255		
512.0	203	225	1200.0	60.0
256.0	166	191		
128.0	153	155		
64.0	194	122	122.0	300.0
32.0	76.6	37.1		
16.0	47.9	79.6		
8.0	59.5	58.0	44.0	Infinite
4.0	55.0	50.2		

MALAYSIA CSAMT No. 27



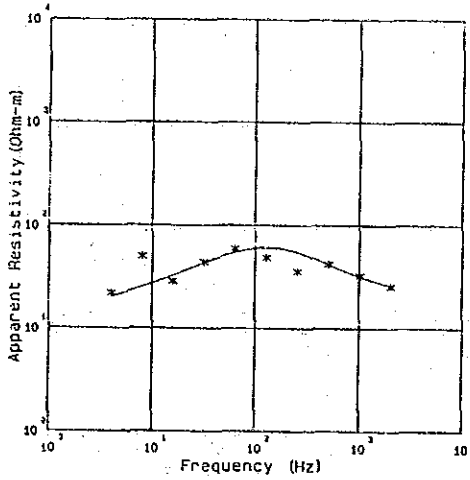
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
			Rho (Ohm-m)	Thickness (a)
2048.0	343	371		
1024.0	263	287		
512.0	181	204	595.0	129.0
256.0	133	148		
128.0	93.8	98.8		
64.0	59.2	59.9	55.5	173.0
32.0	36.7	37.3		
16.0	22.9	24.1		
8.0	22.2	16.5	4.6	Infinite
4.0	10.3	12.0		

MALAYSIA CSAMT No. 28



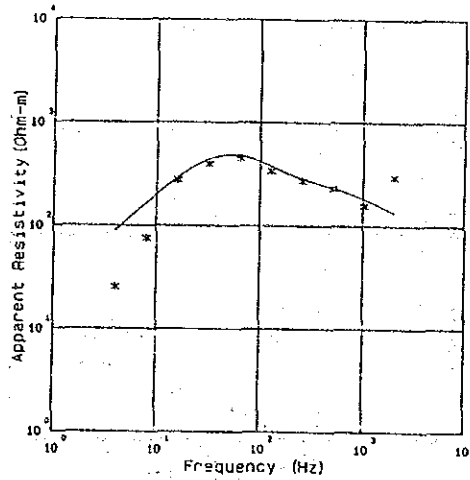
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
			Rho (Ohm-m)	Thickness (a)
2048.0	1100	1170		
1024.0	1050	763		
512.0	486	490	1400.0	272.0
256.0	312	331		
128.0	220	228		
64.0	230	165	61.0	276.0
32.0	107	108		
16.0	83.5	74.3		
8.0	58.3	54.4	20.0	Infinite
4.0	44.1	42.1		

MALAYSIA CSAMT No. 30



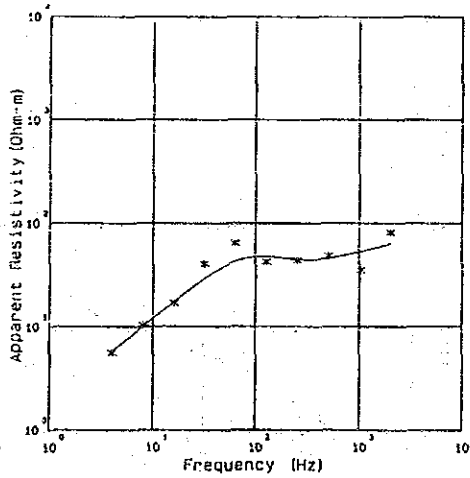
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	257	263	Rho (Ohm-c)	Thickness (a)
1024.0	325	319		
512.0	421	419	254.0	128.0
256.0	358	550	916.0	914.0
128.0	487	613		
64.0	595	550	109.0	Infinite
32.0	441	431		
16.0	295	326		
8.0	499	252		
4.0	219	203		

MALAYSIA CSAMT No. 31



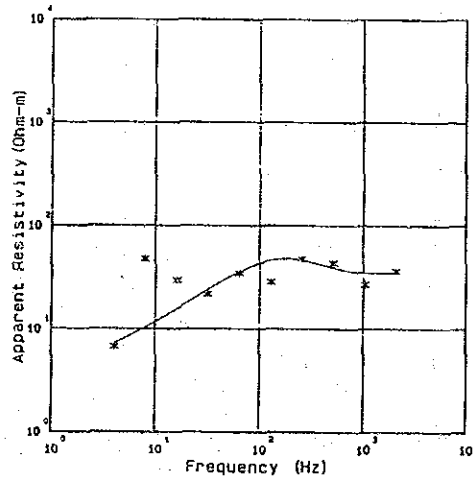
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	2970	1360	Rho (Ohm-c)	Thickness (a)
1024.0	1560	1930		
512.0	2310	2350	673.0	100.0
256.0	2720	2980	5000.0	4890.0
128.0	3390	3780		
64.0	4480	4600	10.0	Infinite
32.0	3930	4440		
16.0	2760	2940		
8.0	752	1666		
4.0	254	395		

MALAYSIA CSAMT No. 32



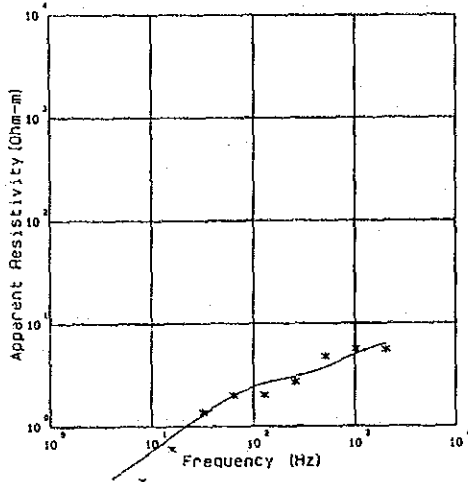
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	617	640	Rho (Ohm-c)	Thickness (a)
1024.0	352	534		
512.0	485	452	2500.0	83.0
256.0	437	448	329.0	1030.0
128.0	422	478		
64.0	644	430	3.8	Infinite
32.0	455	293		
16.0	159	175		
8.0	102	100		
4.0	56.0	57.8		

MALAYSIA CSAMT No. 33



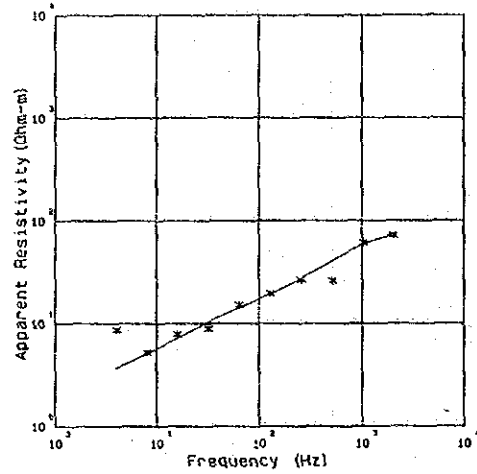
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	365	355	Rho (Ohm-c)	Thickness (a)
1024.0	270	353		
512.0	437	394	364.0	306.0
256.0	476	468	550.0	550.0
128.0	284	467		
64.0	347	361	22.0	Infinite
32.0	217	241		
16.0	296	186		
8.0	477	103		
4.0	67.2	72.3		

MALAYSIA CSAMT No. 34



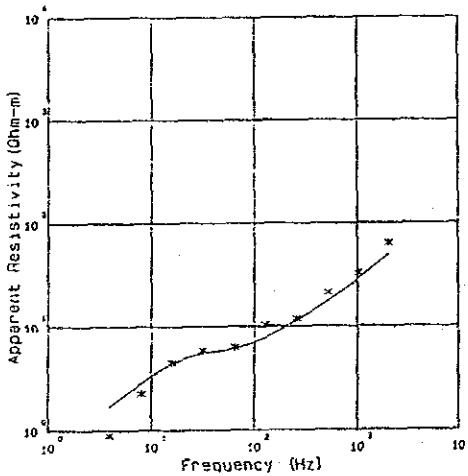
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	55.7	64.9	Rho (Ohm-m)	Thickness (m)
1024.0	56.2	50.8		
512.0	47.5	37.9	65.0	70.0
256.0	27.0	30.7	11.0	150.0
128.0	20.2	26.3		
64.0	20.1	20.0	.5	Infinite
32.0	13.8	13.1		
16.0	5.99	6.01		
8.0	2.95	4.93		
4.0	1.12	3.24		

MALAYSIA CSAMT No. 35



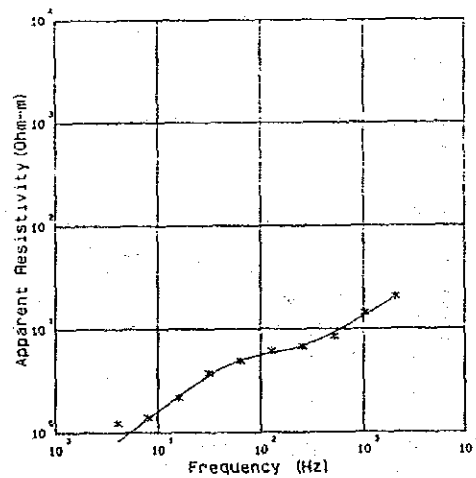
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	716	732	Rho (Ohm-m)	Thickness (m)
1024.0	611	591		
512.0	261	411	642.0	283.0
256.0	267	276	45.4	387.0
128.0	198	198		
64.0	151	143	12.9	Infinite
32.0	89.2	103		
16.0	78.7	72.2		
8.0	52.4	59.9		
4.0	37.1	37.1		

MALAYSIA CSAMT No. 36

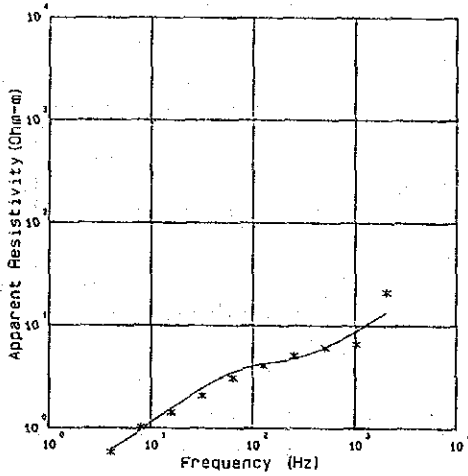


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	634	494	Rho (Ohm-m)	Thickness (m)
1024.0	324	286		
512.0	211	176	3460.0	148.0
256.0	118	113	24.5	528.0
128.0	103	78.4		
64.0	63.0	61.8	.5	Infinite
32.0	59.0	55.0		
16.0	44.9	43.7		
8.0	22.5	28.5		
4.0	8.91	16.8		

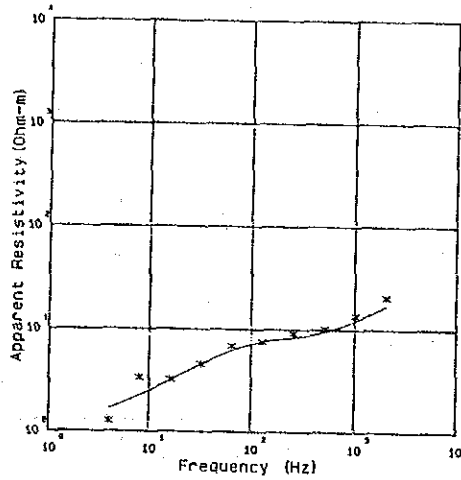
MALAYSIA CSAMT No. 37



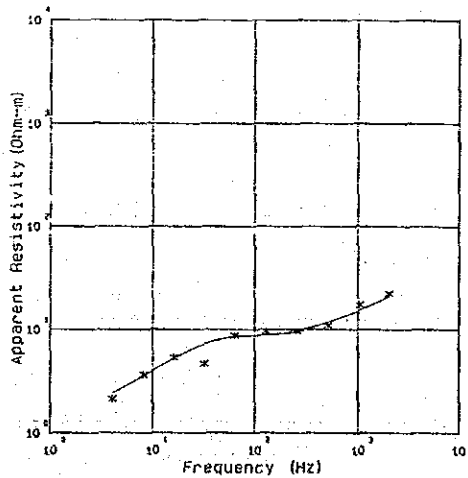
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	205	208	Rho (Ohm-m)	Thickness (m)
1024.0	143	135		
512.0	84.8	92.4	461.0	91.8
256.0	68.0	68.6	25.3	302.0
128.0	61.5	58.9		
64.0	49.2	50.0	1.0	Infinite
32.0	37.5	35.8		
16.0	21.7	22.5		
8.0	14.0	13.6		
4.0	12.4	8.34		



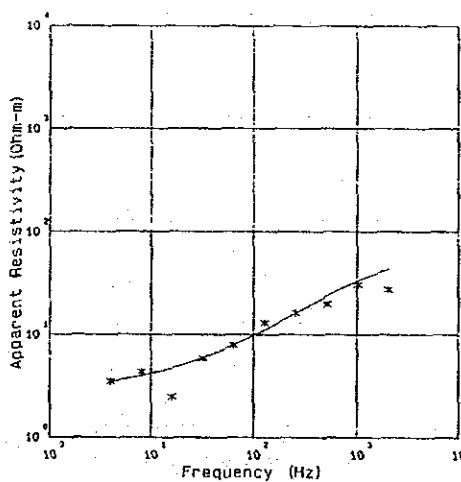
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
			Rho (Ohm-m)	Thickness (a)
2048.0	211	138	2640.0	64.3
1024.0	69.9	59.9		
512.0	60.9	61.6	20.0	250.0
256.0	50.9	48.0		
128.0	40.7	42.4	1.1	Infinite
64.0	30.8	35.1		
32.0	20.7	24.6		
16.0	14.3	15.6		
8.0	10.2	9.68		
4.0	5.81	5.19		



Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
			Rho (Ohm-m)	Thickness (a)
2048.0	206	170	4530.0	58.0
1024.0	137	122		
512.0	101	95.5	46.7	327.0
256.0	91.8	83.7		
128.0	75.8	76.1	6.5	Infinite
64.0	68.7	62.1		
32.0	45.7	45.2		
16.0	32.1	31.6		
8.0	33.3	22.4		
4.0	12.6	16.6		

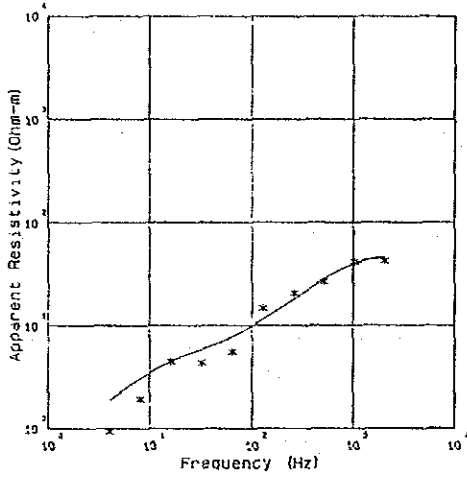


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
			Rho (Ohm-m)	Thickness (a)
2048.0	223	215	2950.0	67.0
1024.0	174	153		
512.0	109	117	56.4	542.0
256.0	97.6	98.3		
128.0	95.8	89.3	5.5	Infinite
64.0	87.2	83.1		
32.0	48.9	72.0		
16.0	53.7	52.4		
8.0	35.8	39.6		
4.0	21.4	24.3		



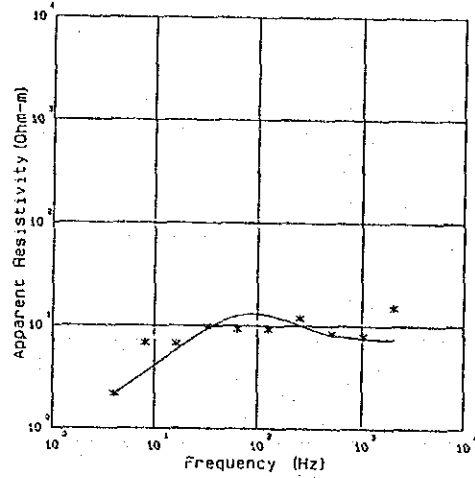
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
			Rho (Ohm-m)	Thickness (a)
2048.0	274	436	433.0	181.0
1024.0	305	336		
512.0	197	237	50.7	65.8
256.0	162	162		
128.0	130	111	24.9	Infinite
64.0	78.0	78.4		
32.0	59.0	59.6		
16.0	24.8	47.4		
8.0	43.4	39.7		
4.0	35.2	34.8		

MALAYSIA CSAMT No. 42



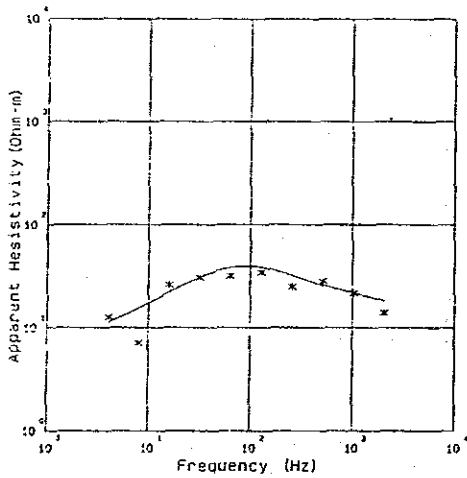
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	421	458	Rho (Ohm-a)	Thickness (a)
1024.0	414	400		
512.0	264	282	385.0	255.0
256.0	205	181	15.5	455.0
128.0	146	114		
64.0	55.4	77.4	1.0	Infinite
32.0	43.7	58.9		
16.0	45.0	44.9		
8.0	19.3	30.3		
4.0	9.31	15.6		

MALAYSIA CSAMT No. 43



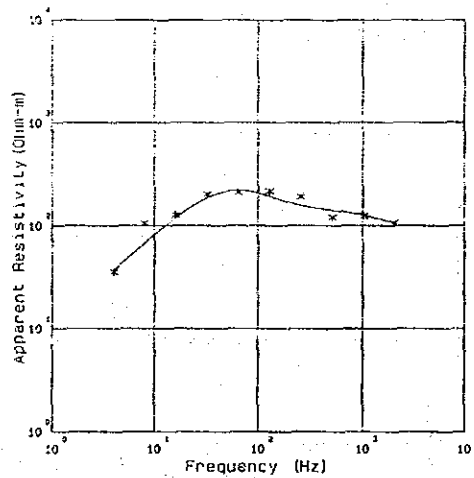
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	150	74.6	Rho (Ohm-a)	Thickness (a)
1024.0	78.5	76.4		
512.0	35.4	82.8	77.9	120.0
256.0	119	104	150.0	500.0
128.0	92.7	127		
64.0	92.9	128	2.5	Infinite
32.0	99.8	92.8		
16.0	87.0	87.9		
8.0	68.3	34.7		
4.0	21.8	21.1		

MALAYSIA CSAMT No. 44



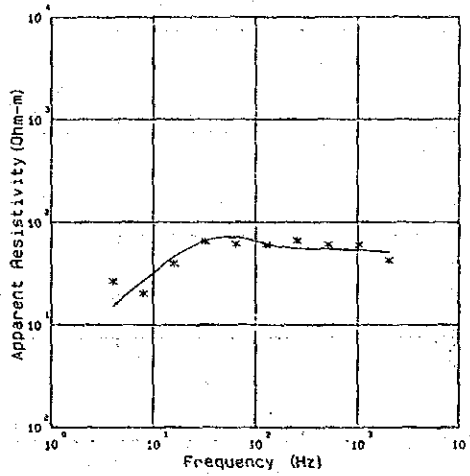
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	139	182	Rho (Ohm-a)	Thickness (a)
1024.0	217	219		
512.0	284	250	155.0	75.0
256.0	249	322	452.0	1000.0
128.0	346	389		
64.0	317	387	38.6	Infinite
32.0	307	310		
16.0	259	222		
8.0	70.7	156		
4.0	128	113		

MALAYSIA CSAMT No. 45



Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	1080	1070	Rho (Ohm-a)	Thickness (a)
1024.0	1230	1250		
512.0	1200	1410	665.0	87.2
256.0	1900	1580	2000.0	3000.0
128.0	2170	1930		
64.0	2090	2220	9.6	Infinite
32.0	2010	1870		
16.0	1250	1190		
8.0	1050	874		
4.0	355	372		

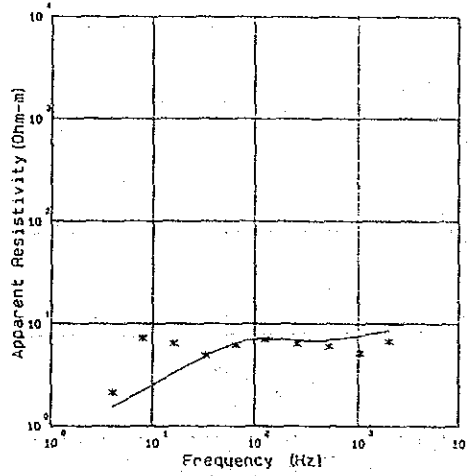
MALAYSIA CSAMT No. 46



Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048.0	428	515
1024.0	603	537
512.0	607	553
256.0	664	564
128.0	683	621
64.0	617	719
32.0	646	686
16.0	394	458
8.0	202	268
4.0	266	152

MODEL	
Rho (Ohm-m)	Thickness (m)
310.0	21.7
596.0	1940.0
4.9	Infinite

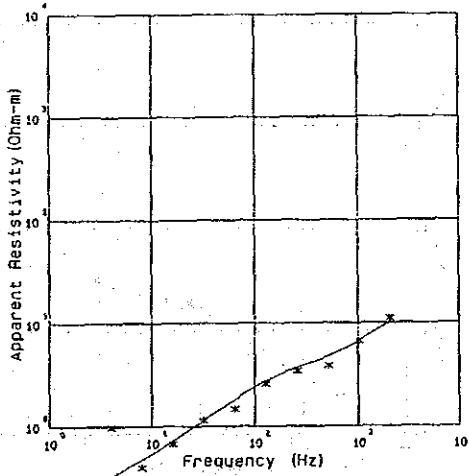
MALAYSIA CSAMT No. 47



Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048.0	67.3	68.8
1024.0	51.8	76.6
512.0	60.2	69.5
256.0	53.4	69.1
128.0	70.4	71.7
64.0	62.4	64.7
32.0	49.4	48.1
16.0	64.2	39.0
8.0	72.3	22.2
4.0	21.3	15.5

MODEL	
Rho (Ohm-m)	Thickness (m)
165.0	30.2
55.0	396.0
4.5	Infinite

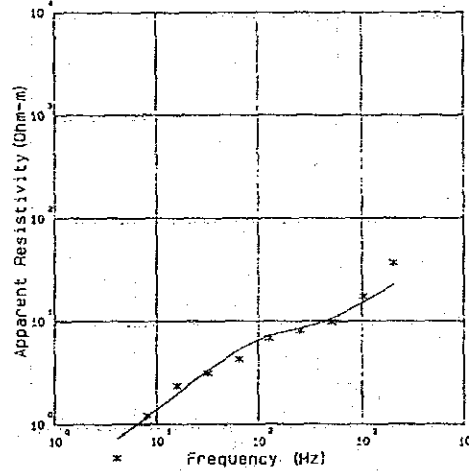
MALAYSIA CSAMT No. 48



Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048.0	111	102
1024.0	65.9	67.2
512.0	38.3	47.8
256.0	34.2	37.2
128.0	25.6	27.5
64.0	14.8	18.2
32.0	11.4	11.5
16.0	6.78	7.24
8.0	3.98	4.76
4.0	9.88	3.30

MODEL	
Rho (Ohm-m)	Thickness (m)
269.0	66.8
11.8	118.0
1.0	Infinite

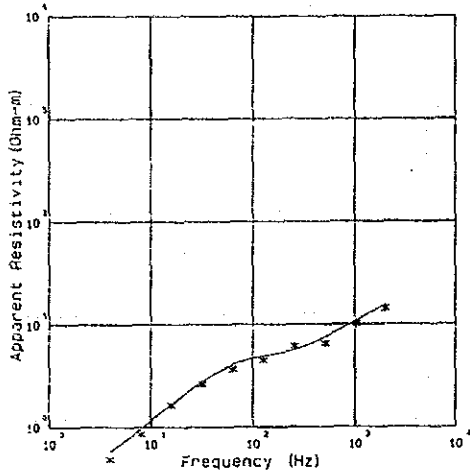
MALAYSIA CSAMT No. 49



Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048.0	368	228
1024.0	173	153
512.0	98.4	105
256.0	81.0	85.4
128.0	68.4	72.0
64.0	42.7	52.6
32.0	31.3	33.2
16.0	23.6	19.7
8.0	12.3	11.7
4.0	4.69	7.24

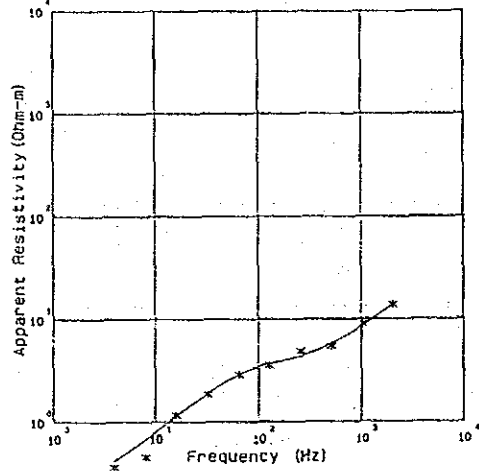
MODEL	
Rho (Ohm-m)	Thickness (m)
400.0	100.0
30.0	250.0
1.0	Infinite

MALAYSIA CSAMT No. 50



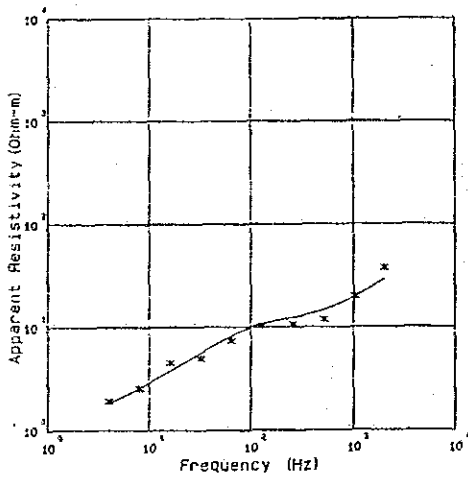
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	141	158	Rho (Ohm-m)	Thickness (a)
1024.0	100	108		
512.0	64.7	75.4	211.0	90.1
256.0	61.1	55.9	29.0	250.0
128.0	44.3	49.3		
64.0	36.2	40.5	.5	Infinite
32.0	26.1	27.8		
16.0	16.4	16.6		
8.0	9.56	9.70		
4.0	4.86	5.75		

MALAYSIA CSAMT No. 51



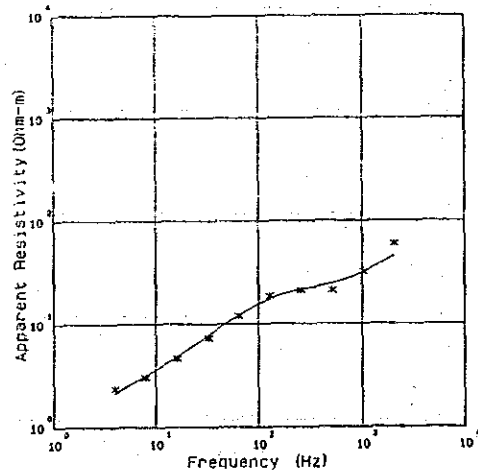
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	138	138	Rho (Ohm-m)	Thickness (a)
1024.0	99.4	87.1		
512.0	54.3	57.8	1370.0	70.1
256.0	48.7	43.6	14.9	204.0
128.0	35.5	37.0		
64.0	28.7	28.9	.5	Infinite
32.0	19.6	19.0		
16.0	11.5	11.5		
8.0	4.55	6.83		
4.0	3.53	4.17		

MALAYSIA CSAMT No. 52



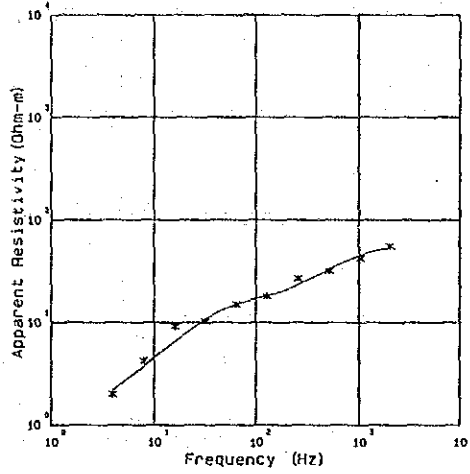
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	375	292	Rho (Ohm-m)	Thickness (a)
1024.0	198	199		
512.0	118	147	2090.0	89.2
256.0	106	124	57.8	338.0
128.0	102	107		
64.0	73.2	82.1	6.2	Infinite
32.0	49.7	58.5		
16.0	45.1	37.7		
8.0	25.6	25.7		
4.0	19.2	18.4		

MALAYSIA CSAMT No. 53



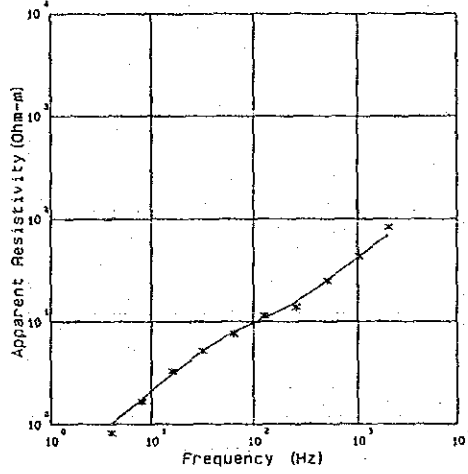
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	596	458	Rho (Ohm-m)	Thickness (a)
1024.0	322	318		
512.0	211	248	2820.0	109.0
256.0	211	218	100.0	390.0
128.0	186	175		
64.0	119	122	6.0	Infinite
32.0	73.0	77.5		
16.0	46.5	48.7		
8.0	30.4	31.6		
4.0	23.7	21.8		

MALAYSIA CSAMT No. 54



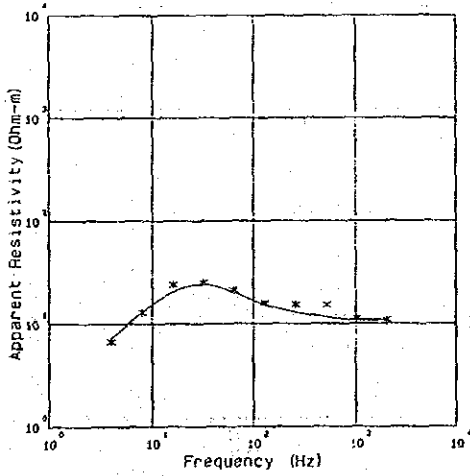
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	558	541	Rho (Ohm-m)	Thickness (m)
1024.0	423	455		
512.0	318	333	480.0	291.0
256.0	268	235	53.0	453.0
128.0	179	183		
64.0	150	150	1.3	Infinite
32.0	102	107		
16.0	92.0	65.7		
8.0	42.6	37.9		
4.0	20.0	21.8		

MALAYSIA CSAMT No. 55



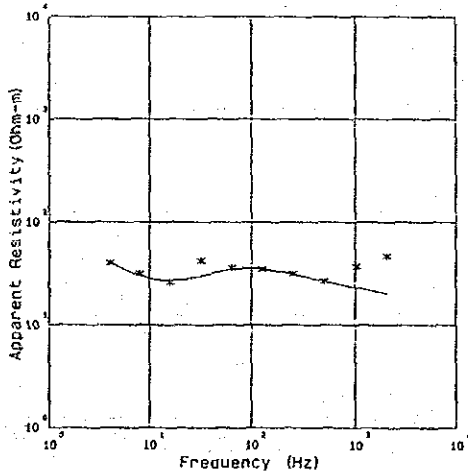
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	832	702	Rho (Ohm-m)	Thickness (m)
1024.0	432	430		
512.0	249	256	923.0	209.0
256.0	138	157	19.4	267.0
128.0	114	109		
64.0	76.2	79.1	.6	Infinite
32.0	51.9	51.9		
16.0	32.9	30.7		
8.0	16.7	17.6		
4.0	8.27	10.1		

MALAYSIA CSAMT No. 57



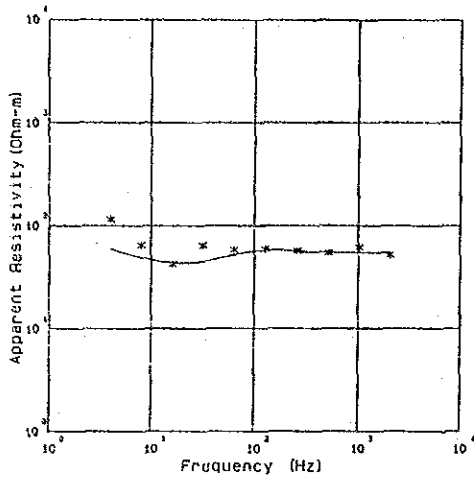
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	108	110	Rho (Ohm-m)	Thickness (m)
1024.0	111	109		
512.0	182	118	115.0	181.0
256.0	183	130	299.0	1281.0
128.0	158	153		
64.0	212	202	.5	Infinite
32.0	292	243		
16.0	241	207		
8.0	129	130		
4.0	67.2	72.8		

MALAYSIA CSAMT No. 58



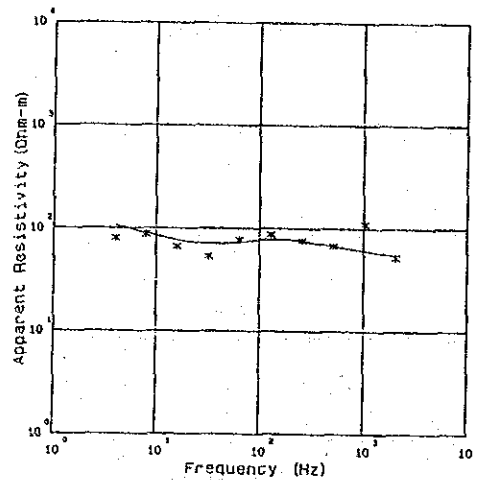
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	467	202	Rho (Ohm-m)	Thickness (m)
1024.0	368	230		
512.0	267	267	193.0	184.0
256.0	315	312	440.0	837.0
128.0	390	352		
64.0	362	349	212.0	1150.0
32.0	423	299		
16.0	262	270		
8.0	315	303		
4.0	403	409	3210.0	Infinite

MALAYSIA CSAMT No. 59



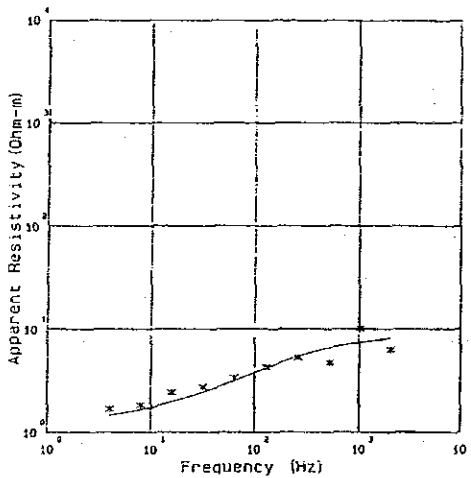
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	515	550	Rho (Ohm-m)	Thickness (m)
1024.0	618	549		
512.0	545	548	550.0	1300.0
256.0	589	565	220.0	600.0
128.0	592	578		
64.0	579	521	1550.0	Infinite
32.0	640	443		
16.0	422	435		
8.0	647	490		
4.0	1150	598		

MALAYSIA CSAMT No. 60



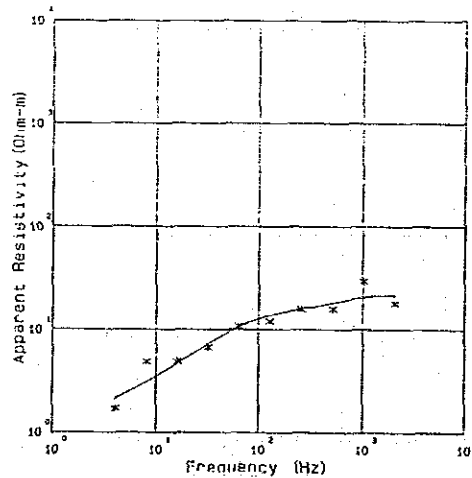
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	526	546	Rho (Ohm-m)	Thickness (m)
1024.0	1110	613		
512.0	675	678	450.0	100.0
256.0	782	758	900.0	1550.0
128.0	877	786		
64.0	775	737	150.0	150.0
32.0	533	714		
16.0	566	771		
8.0	872	999		
4.0	789	1060	2000.0	Infinite

MALAYSIA CSAMT No. 61



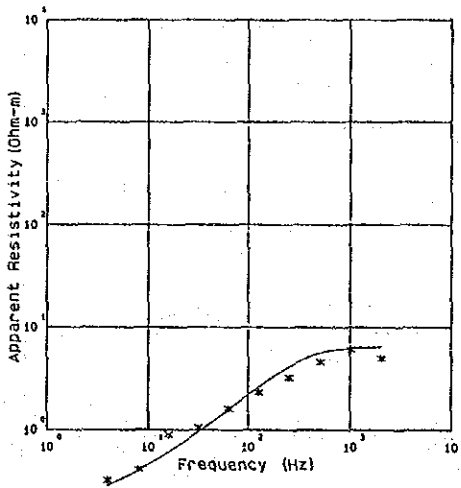
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	63.0	82.9	Rho (Ohm-m)	Thickness (m)
1024.0	100	74.1		
512.0	47.2	56.2	195.0	51.0
256.0	52.7	54.6	40.2	125.0
128.0	42.8	41.9		
64.0	33.7	31.6	10.5	Infinite
32.0	27.6	24.4		
16.0	24.3	19.7		
8.0	18.4	16.6		
4.0	15.8	14.6		

MALAYSIA CSAMT No. 62



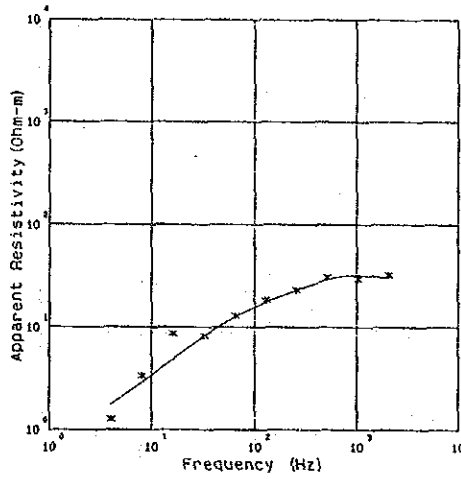
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	179	215	Rho (Ohm-m)	Thickness (m)
1024.0	296	209		
512.0	153	182	200.0	204.0
256.0	197	159	58.5	300.0
128.0	119	138		
64.0	108	106	5.8	Infinite
32.0	66.6	72.3		
16.0	49.1	48.9		
8.0	48.6	30.8		
4.0	17.0	21.2		

MALAYSIA CSAMT No. 63



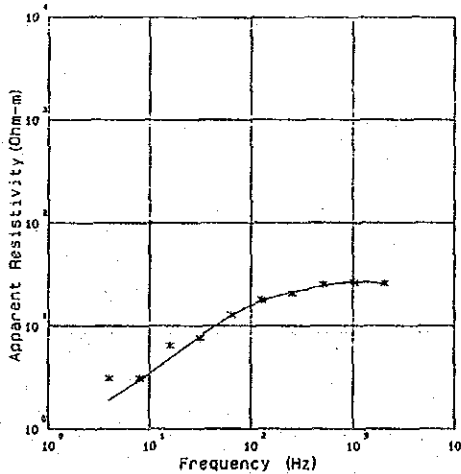
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	49.8	68.7	65.0	72.1
1024.0	64.0	63.1		
512.0	48.0	56.8	24.5	81.6
256.0	38.5	41.8		
128.0	23.3	28.4	1.0	Infinite
64.0	16.2	15.9		
32.0	10.5	9.63		
16.0	8.98	5.07		
8.0	4.17	4.04		
4.0	3.23	2.88		

MALAYSIA CSAMT No. 64



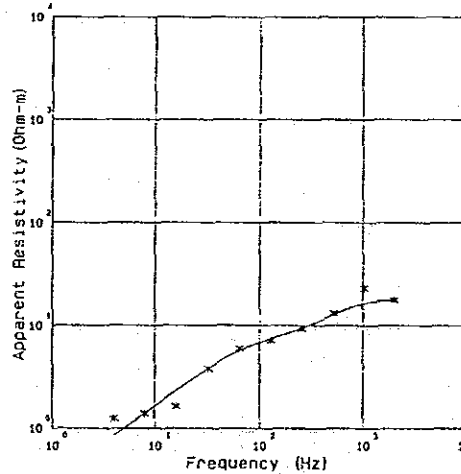
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	322	303	284.0	316.0
1024.0	299	325		
512.0	308	295	30.4	259.0
256.0	230	230		
128.0	184	176	2.0	Infinite
64.0	129	126		
32.0	82.4	81.3		
16.0	86.5	48.7		
8.0	33.7	28.8		
4.0	12.7	17.5		

MALAYSIA CSAMT No. 65

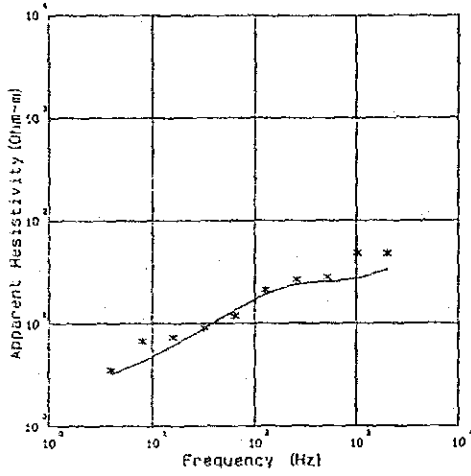


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	258	257	243.0	282.0
1024.0	203	266		
512.0	233	248	49.2	254.0
256.0	206	212		
128.0	177	175	3.5	Infinite
64.0	128	125		
32.0	75.7	79.5		
16.0	64.4	48.4		
8.0	31.1	29.8		
4.0	30.9	19.1		

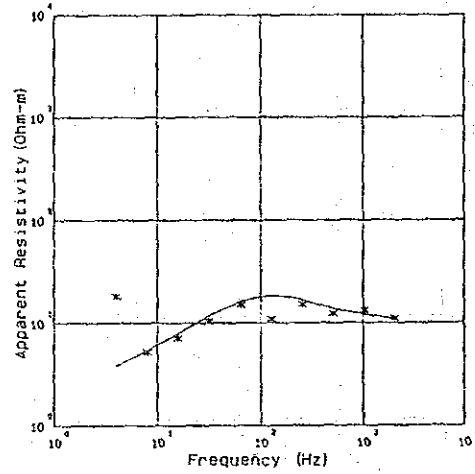
MALAYSIA CSAMT No. 66



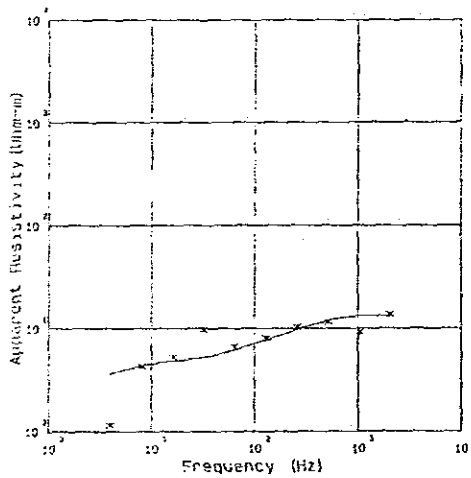
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	177	178	157.0	170.0
1024.0	232	165		
512.0	132	129	19.5	229.0
256.0	92.8	95.1		
128.0	71.5	74.8	1.0	Infinite
64.0	59.8	57.2		
32.0	38.1	38.3		
16.0	16.4	23.4		
8.0	13.9	14.0		
4.0	12.4	8.59		



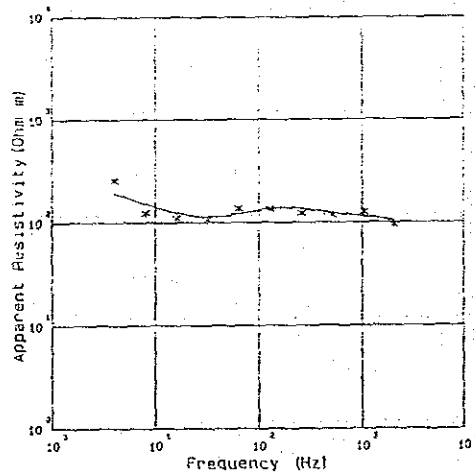
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	477	338	811.0	75.6
1024.0	483	277		
512.0	279	256	153.0	399.0
256.0	265	239		
128.0	211	192	13.5	Infinite
64.0	117	134		
32.0	90.3	89.7		
16.0	73.2	60.5		
8.0	67.6	42.8		
4.0	39.1	32.0		



Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	110	109	191.0	65.6
1024.0	132	121		
512.0	123	138	193.0	554.0
256.0	151	187		
128.0	108	135	12.7	Infinite
64.0	149	161		
32.0	102	117		
16.0	71.3	79.3		
8.0	52.5	54.1		
4.0	103	39.6		

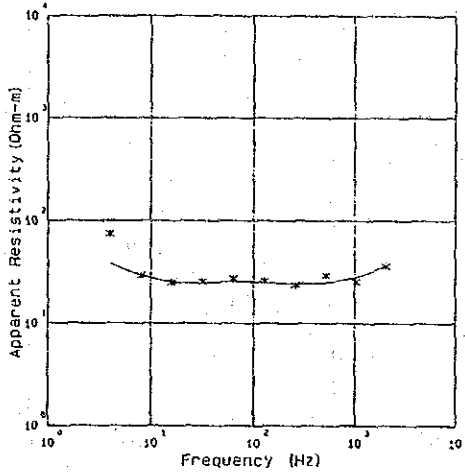


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	136	131	123.0	183.0
1024.0	91.5	133		
512.0	115	119	31.1	990.0
256.0	102	97.8		
128.0	81.0	77.5	8.6	Infinite
64.0	87.1	62.3		
32.0	97.4	52.9		
16.0	52.7	46.4		
8.0	43.0	43.7		
4.0	11.5	36.2		



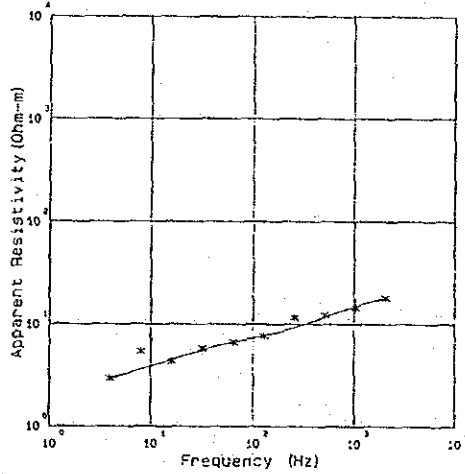
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	954	1040	778.0	93.4
1024.0	1260	1140		
512.0	1170	1230	1500.0	1800.0
256.0	1230	1360		
128.0	1350	1370	501.0	600.0
64.0	1360	1220		
32.0	1050	1140		
16.0	1100	1240		
8.0	1240	1530		
4.0	2580	1840	5000.0	Infinite

MALAYSIA CSAMT No. 73



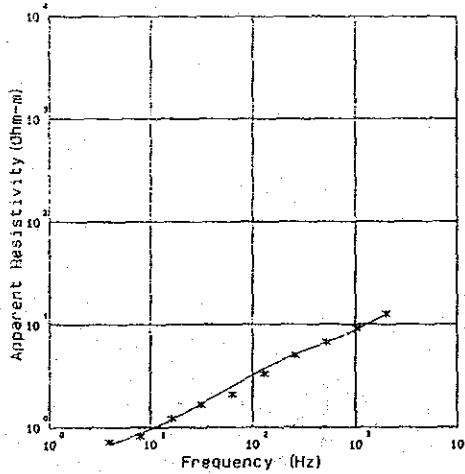
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	351	367	900.0	110.0
1024.0	255	284		
512.0	294	250	100.0	80.0
256.0	238	243		
128.0	257	250	300.0	2900.0
64.0	272	255		
32.0	255	247	1500.0	infinite
16.0	249	252		
8.0	291	295		
4.0	746	390		

MALAYSIA CSAMT No. 74



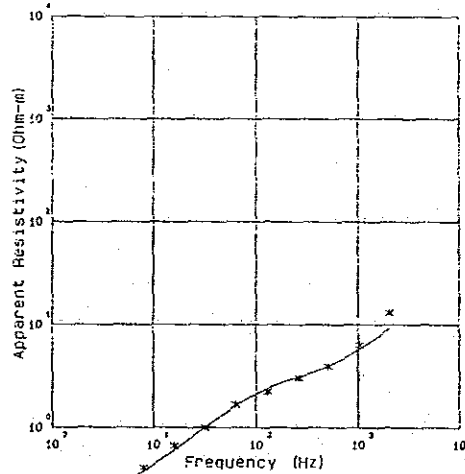
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	181	181	174.0	127.0
1024.0	145	151		
512.0	123	118	39.3	386.0
256.0	115	92.9		
128.0	76.4	77.5	15.9	infinite
64.0	65.8	66.9		
32.0	98.5	55.9		
16.0	43.3	45.0		
8.0	54.2	36.1		
4.0	29.5	29.5		

MALAYSIA CSAMT No. 75



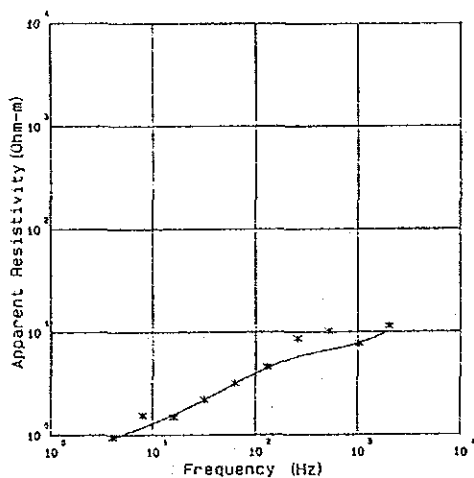
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	127	126	181.0	78.1
1024.0	91.4	89.5		
512.0	87.1	67.4	18.9	120.0
256.0	59.4	51.7		
128.0	33.0	37.1	3.4	infinite
64.0	21.0	25.2		
32.0	16.8	17.1		
16.0	12.2	11.3		
8.0	8.21	8.79		
4.0	7.20	6.88		

MALAYSIA CSAMT No. 76



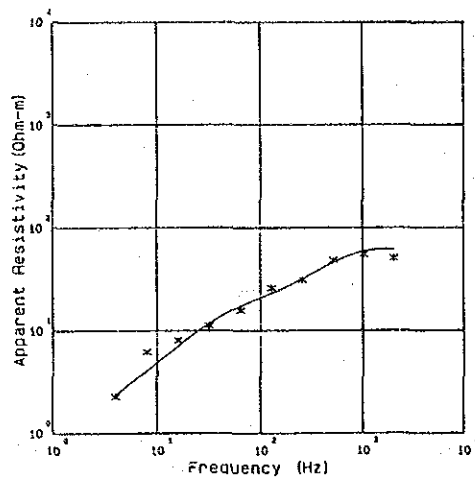
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	131	83.0	652.0	58.0
1024.0	83.6	58.2		
512.0	39.3	39.9	9.9	125.0
256.0	30.3	31.2		
128.0	22.4	24.1	.5	infinite
64.0	16.6	16.3		
32.0	9.98	10.1		
16.0	6.64	6.09		
8.0	4.07	3.79		
4.0	1.87	2.45		

MALAYSIA CSAMT No. 77



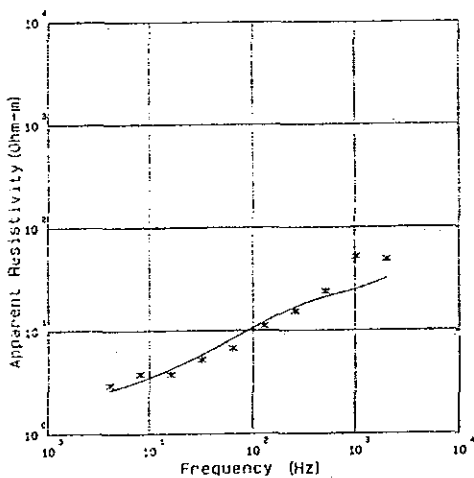
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	113	102	ρ_{ho} (Ohm-m)	Thickness (m)
1024.0	77.5	78.6	550.0	44.6
512.0	102	67.3		
256.0	95.8	57.8	33.3	173.0
128.0	45.8	44.6		
64.0	31.8	31.6	5.0	Infinite
32.0	22.0	22.0		
16.0	14.9	15.8		
8.0	19.6	11.9		
4.0	9.48	9.43		

MALAYSIA CSAMT No. 78



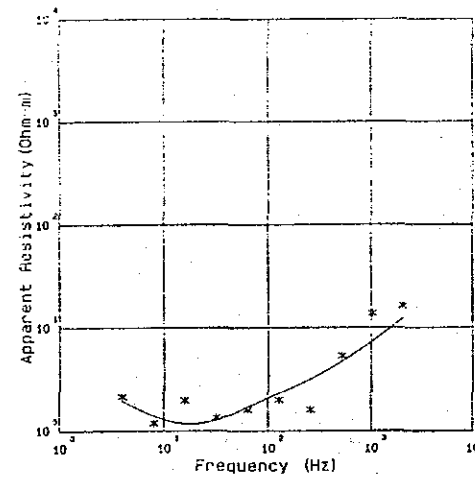
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	509	621	ρ_{ho} (Ohm-m)	Thickness (m)
1024.0	593	594	539.0	339.0
512.0	481	462		
256.0	310	320	42.0	380.0
128.0	258	231		
64.0	157	173	1.5	Infinite
32.0	111	117		
16.0	90.4	70.7		
8.0	62.2	40.8		
4.0	22.7	23.6		

MALAYSIA CSAMT No. 79



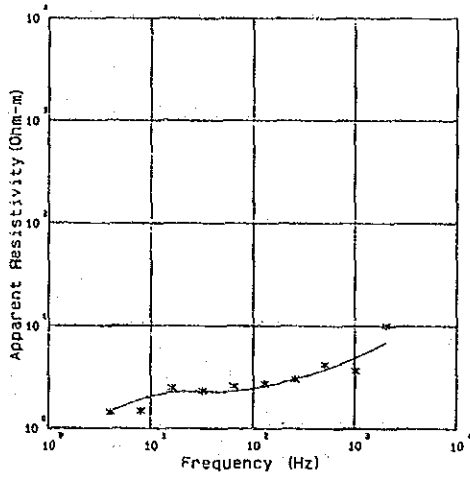
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	489	325	ρ_{ho} (Ohm-m)	Thickness (m)
1024.0	519	253	705.0	95.0
512.0	239	212		
256.0	153	168	95.0	235.0
128.0	110	121		
64.0	67.2	33.9	15.0	Infinite
32.0	52.2	58.5		
16.0	37.7	42.5		
8.0	37.9	32.6		
4.0	29.5	26.5		

MALAYSIA CSAMT No. 81



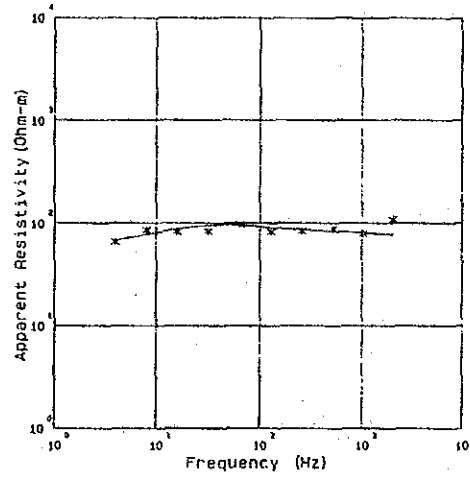
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	183	123	ρ_{ho} (Ohm-m)	Thickness (m)
1024.0	137	74.2	1500.0	70.0
512.0	53.3	47.2		
256.0	18.1	32.0	9.0	310.0
128.0	20.1	23.3		
64.0	16.1	17.1	148.0	Infinite
32.0	13.4	12.8		
16.0	19.8	11.7		
8.0	11.9	14.0		
4.0	21.6	19.8		

MALAYSIA CSAMT No. 83



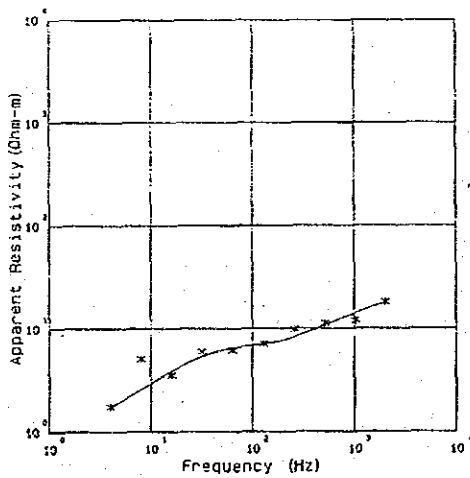
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	100	69.3	Rho (Ohm-a)	Thickness (a)
1024.0	35.6	49.4		
512.0	42.3	37.8	687.0	39.5
256.0	30.3	30.5	17.3	569.0
128.0	27.3	25.9		
64.0	25.8	23.2	2.5	Infinite
32.0	23.2	22.9		
16.0	24.8	22.5		
8.0	14.8	19.3		
4.0	14.5	14.5		

MALAYSIA CSAMT No. 84



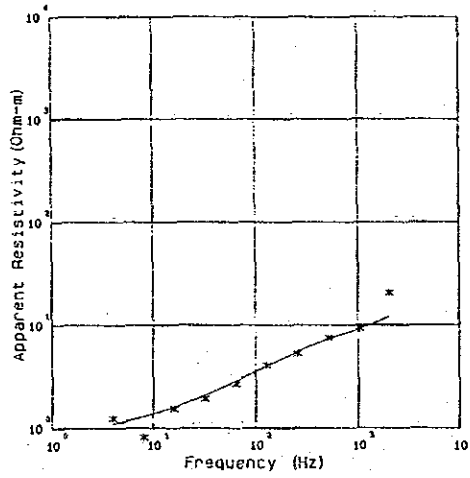
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	1080	775	Rho (Ohm-a)	Thickness (a)
1024.0	791	806		
512.0	874	838	753.0	190.0
256.0	834	886	955.0	2290.0
128.0	822	906		
64.0	971	994	438.0	Infinite
32.0	831	950		
16.0	823	377		
8.0	653	776		
4.0	654	682		

MALAYSIA CSAMT No. 85

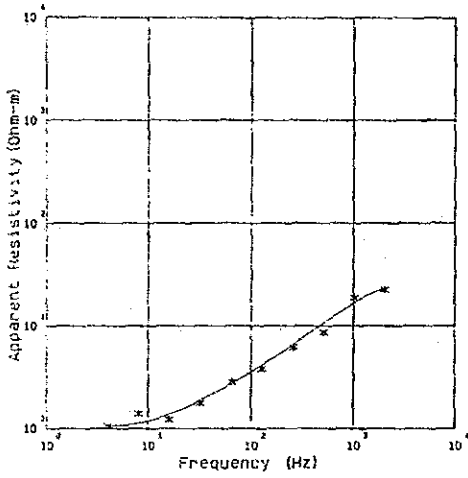


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	181	179	Rho (Ohm-a)	Thickness (a)
1024.0	119	141		
512.0	112	108	184.0	113.0
256.0	98.1	83.5	35.9	420.0
128.0	71.2	71.1		
64.0	61.7	64.9	3.5	Infinite
32.0	59.6	53.9		
16.0	35.4	39.7		
8.0	51.2	25.9		
4.0	17.5	17.4		

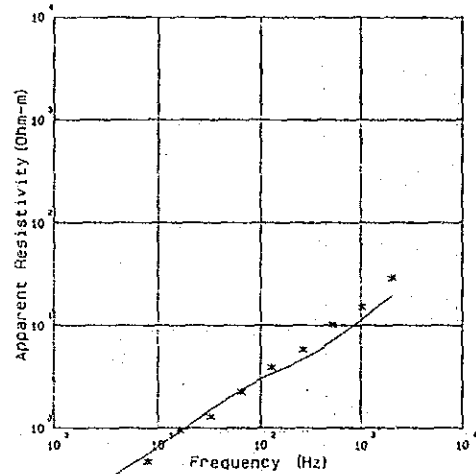
MALAYSIA CSAMT No. 86



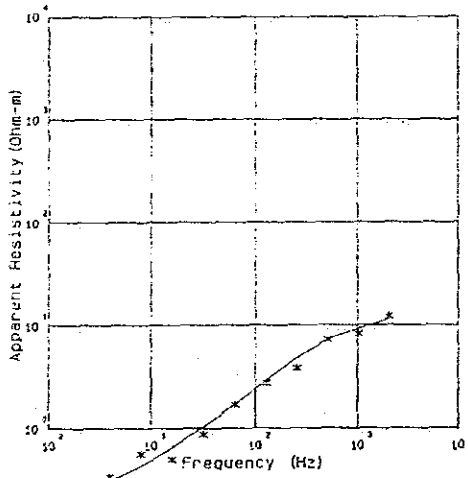
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	205	121	Rho (Ohm-a)	Thickness (a)
1024.0	92.8	93.2		
512.0	75.3	73.6	199.0	67.3
256.0	53.2	55.7	28.7	112.0
128.0	40.7	40.1		
64.0	28.7	28.5	7.2	Infinite
32.0	19.3	20.3		
16.0	15.4	18.3		
8.0	6.15	13.0		
4.0	12.5	11.0		



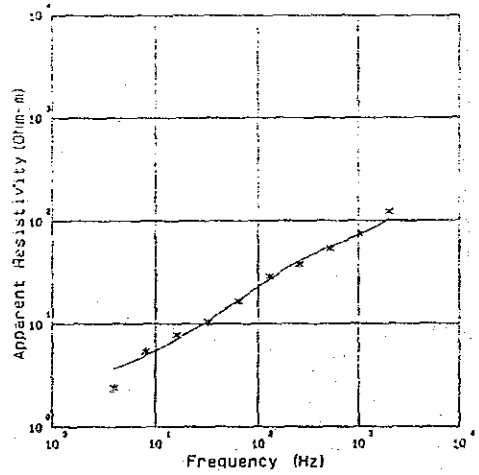
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	224	233	269.0	146.0
1024.0	197	188		
512.0	85.2	108	5.3	330.0
256.0	51.5	65.7		
128.0	38.0	41.4	15.3	Infinite
64.0	28.2	27.4		
32.0	17.6	18.8		
16.0	12.2	13.7		
8.0	14.0	11.3		
4.0	10.6	10.6		



Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	288	194	384.0	101.0
1024.0	151	116		
512.0	100	70.5	8.0	136.0
256.0	57.9	45.6		
128.0	39.7	33.7	.6	Infinite
64.0	22.5	23.5		
32.0	12.8	15.0		
16.0	9.64	9.13		
8.0	4.72	5.61		
4.0	2.50	3.58		

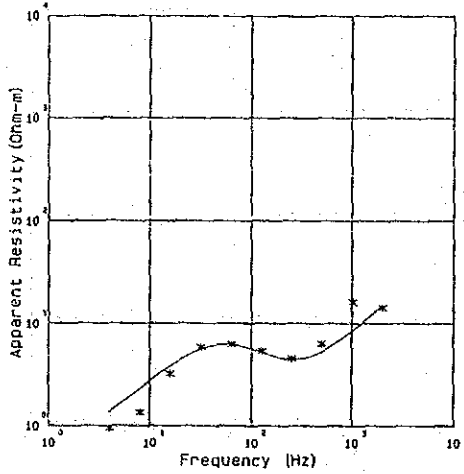


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	129	116	146.0	56.0
1024.0	81.9	82.6		
512.0	72.1	72.1	28.0	103.0
256.0	38.1	48.3		
128.0	27.5	29.3	1.0	Infinite
64.0	16.9	17.3		
32.0	8.70	10.4		
16.0	4.38	6.50		
8.0	5.64	4.31		
4.0	3.42	3.08		



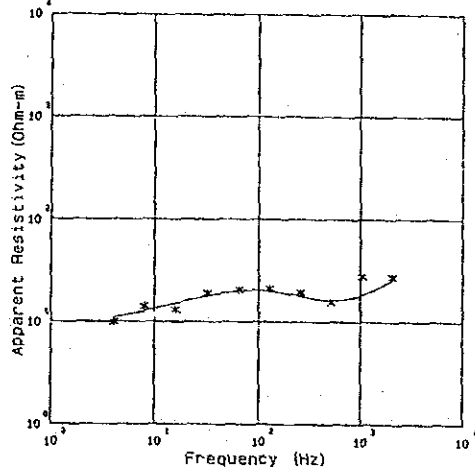
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	1210	1040	2290.0	200.0
1024.0	744	733		
512.0	538	559	160.0	304.0
256.0	376	407		
128.0	287	289	15.0	Infinite
64.0	184	169		
32.0	104	107		
16.0	78.0	70.7		
8.0	54.3	49.2		
4.0	24.0	36.5		

MALAYSIA CSAMT No. 93



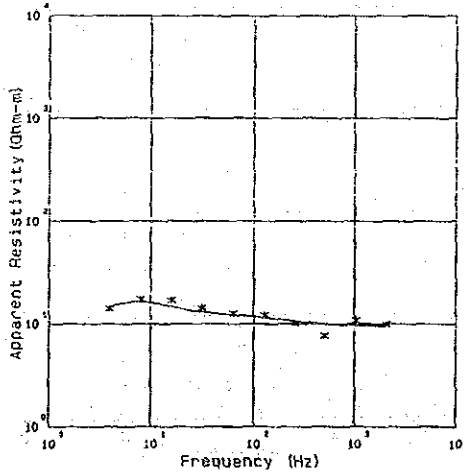
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	142	153	Rho (Ohm-m)	Thickness (m)
1024.0	162	85.5	800.0	80.0
512.0	63.9	53.7		
256.0	43.3	44.9	12.0	60.0
128.0	53.7	52.4		
64.0	62.7	62.6	300.0	400.0
32.0	58.6	56.5		
16.0	32.2	38.5	1.0	Infinite
8.0	13.5	23.2		
4.0	9.50	13.7		

MALAYSIA CSAMT No. 94



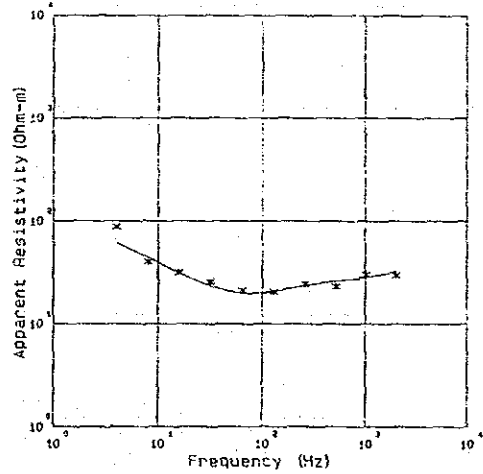
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	276	260	Rho (Ohm-m)	Thickness (m)
1024.0	278	184	1000.0	105.0
512.0	155	163		
256.0	193	178	30.0	35.0
128.0	212	200		
64.0	205	201	321.0	557.0
32.0	190	179		
16.0	130	150	72.1	Infinite
8.0	141	127		
4.0	98.8	109		

MALAYSIA CSAMT No. 95



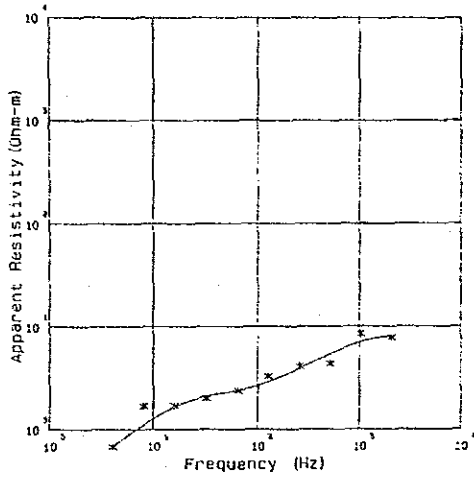
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	98.0	96.2	Rho (Ohm-m)	Thickness (m)
1024.0	108	98.0	98.5	153.7
512.0	76.6	99.7		
256.0	100	106	152.0	2352.1
128.0	122	115		
64.0	127	123	9.6	Infinite
32.0	143	130		
16.0	170	148		
8.0	174	165		
4.0	141	149		

MALAYSIA CSAMT No. 96



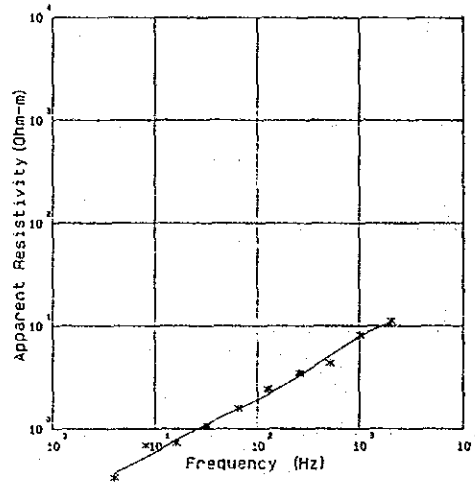
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	295	324	Rho (Ohm-m)	Thickness (m)
1024.0	303	255	1310.0	44.8
512.0	231	261		
256.0	246	237	266.0	280.0
128.0	205	207		
64.0	212	199	1850.0	Infinite
32.0	257	234		
16.0	313	316		
8.0	403	444		
4.0	883	611		

MALAYSIA CSAMT No. 97



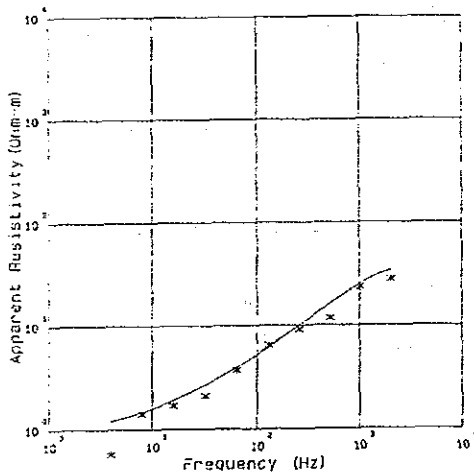
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	78.1	81.5	Rho (Ohm-m)	Thickness (a)
1024.0	84.2	71.2		
512.0	43.4	54.3	72.5	102.0
256.0	41.2	39.4	10.1	302.0
128.0	32.7	29.0		
64.0	29.8	24.0	.5	Infinite
32.0	30.0	21.2		
16.0	17.0	16.5		
8.0	16.9	11.0		
4.0	6.79	6.30		

MALAYSIA CSAMT No. 98



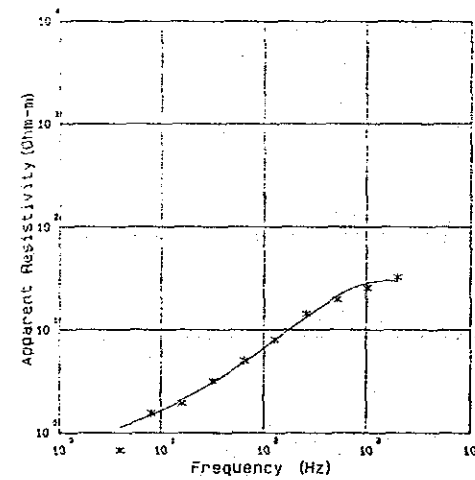
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	112	107	Rho (Ohm-m)	Thickness (a)
1024.0	81.9	79.8		
512.0	43.7	51.9	97.0	100.0
256.0	34.8	32.8	4.0	134.0
128.0	24.5	21.8		
64.0	15.9	15.5	1.1	Infinite
32.0	10.8	11.1		
16.0	7.25	7.70		
8.0	6.92	5.29		
4.0	3.39	3.73		

MALAYSIA CSAMT No. 99



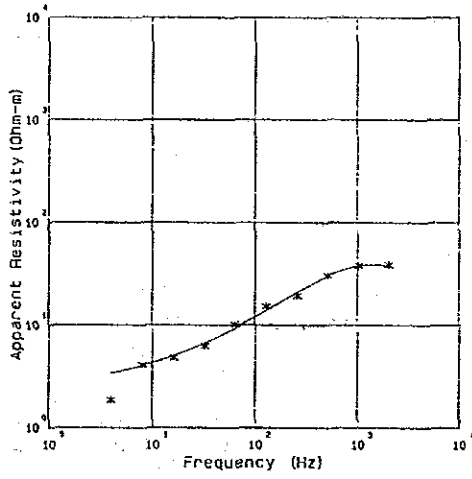
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	278	344	Rho (Ohm-m)	Thickness (a)
1024.0	234	254		
512.0	117	163	316.0	171.0
256.0	91.4	100	15.6	37.6
128.0	64.4	61.8		
64.0	37.2	39.5	7.0	Infinite
32.0	21.1	25.7		
16.0	17.0	19.2		
8.0	14.1	14.7		
4.0	5.74	12.0		

MALAYSIA CSAMT No. 100



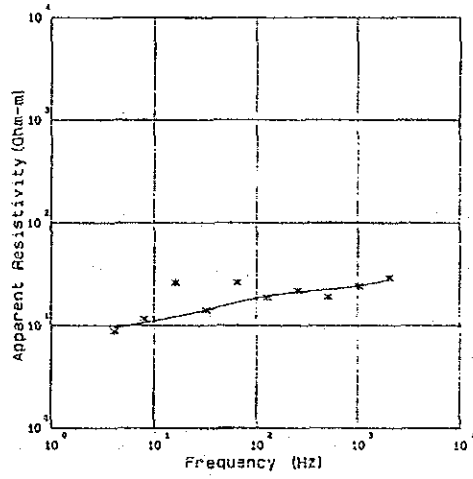
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	325	295	Rho (Ohm-m)	Thickness (a)
1024.0	255	287		
512.0	198	212	248.0	238.0
256.0	142	133	5.4	Infinite
128.0	69.8	79.9		
64.0	50.3	48.8	5.4	Infinite
32.0	31.8	30.8		
16.0	19.4	20.7		
8.0	15.5	14.9		
4.0	6.78	11.4		

MALAYSIA CSAMT No. 101



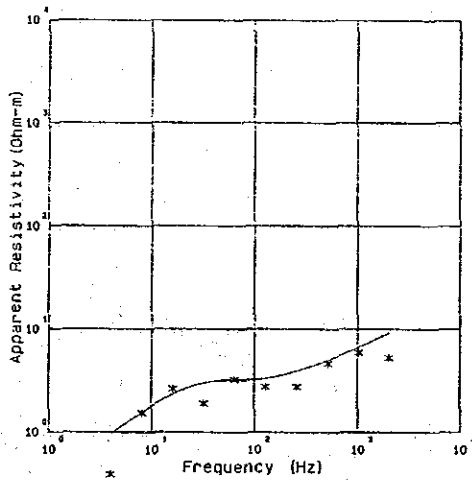
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	389	393	Rho (Ohm-m)	Thickness (a)
1024.0	378	381		
512.0	302	304	334.7	265.0
256.0	192	210	22.0	Infinite
128.0	151	139		
64.0	101	94.3		
32.0	62.6	67.0		
16.0	48.1	50.5		
8.0	40.9	40.5		
4.0	19.6	34.2		

MALAYSIA CSAMT No. 103



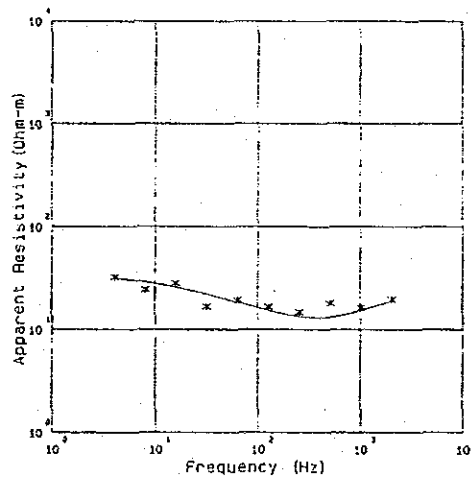
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	291	291	Rho (Ohm-m)	Thickness (a)
1024.0	241	245		
512.0	169	224	569.0	82.4
256.0	219	212	151.0	443.0
128.0	156	194		
64.0	262	158		
32.0	141	142		
16.0	262	121	72.6	Infinite
8.0	118	106		
4.0	98.1	98.0		

MALAYSIA CSAMT No. 104



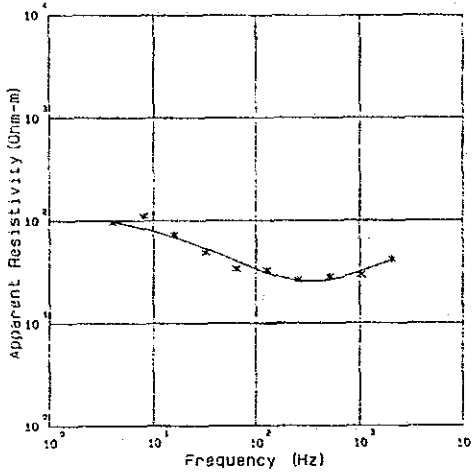
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	52.8	92.6	Rho (Ohm-m)	Thickness (a)
1024.0	59.1	67.2		
512.0	46.4	50.4	150.0	60.0
256.0	27.5	39.5	29.0	400.0
128.0	27.6	33.4		
64.0	32.3	32.2		
32.0	19.0	30.3		
16.0	26.3	23.4	1.0	Infinite
8.0	15.3	15.6		
4.0	3.89	9.81		

MALAYSIA CSAMT No. 105



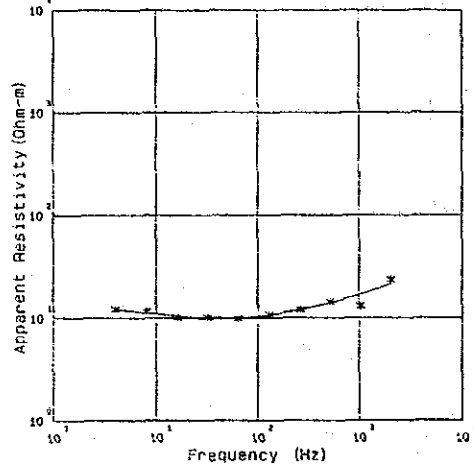
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	198	189	Rho (Ohm-m)	Thickness (a)
1024.0	163	153		
512.0	180	132	207.0	104.0
256.0	147	133	81.0	130.0
128.0	166	153		
64.0	193	184		
32.0	167	221		
16.0	283	258	400.0	Infinite
8.0	243	290		
4.0	323	318		

MALAYSIA CSAMT No. 106



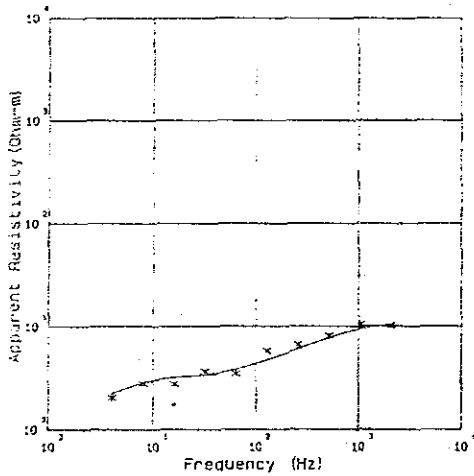
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	420	408	Rho (Ohm-c)	Thickness (m)
1024.0	295	321		
512.0	283	284	547.0	93.6
256.0	263	260	203.0	310.0
128.0	328	310		
64.0	340	405	1500.0	Infinite
32.0	491	536		
16.0	731	688		
8.0	1110	844		
4.0	963	888		

MALAYSIA CSAMT No. 107



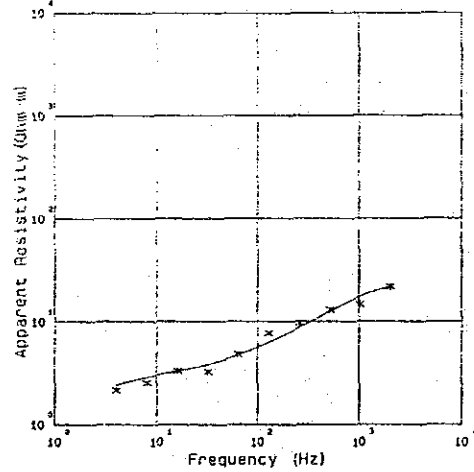
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	235	218	Rho (Ohm-c)	Thickness (m)
1024.0	130	169		
512.0	143	140	972.0	58.5
256.0	120	121	65.1	566.0
128.0	108	106		
64.0	99.3	98.6	156.0	Infinite
32.0	100	98.5		
16.0	101	104		
8.0	116	112		
4.0	122	121		

MALAYSIA CSAMT No. 108



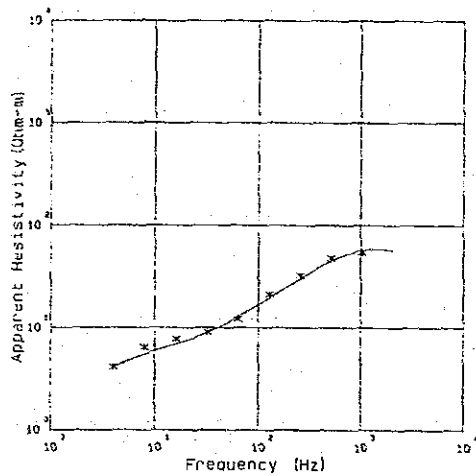
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	101	104	Rho (Ohm-c)	Thickness (m)
1024.0	103	95.6		
512.0	60.9	77.8	55.0	122.0
256.0	66.3	60.5	21.0	699.0
128.0	57.9	47.5		
64.0	34.8	38.3	3.8	Infinite
32.0	16.5	33.8		
16.0	27.6	31.9		
8.0	28.0	28.4		
4.0	20.4	22.4		

MALAYSIA CSAMT No. 109



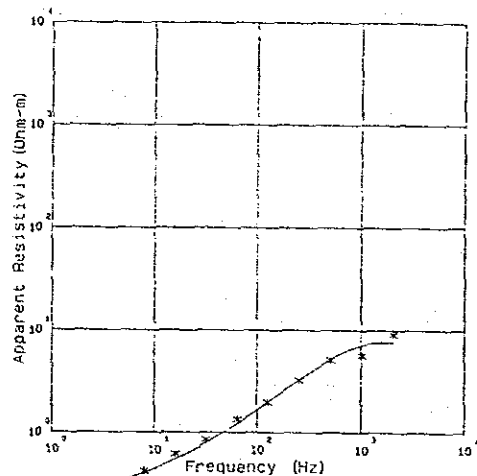
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	217	217	Rho (Ohm-c)	Thickness (m)
1024.0	145	176		
512.0	130	126	196.0	150.0
256.0	96.2	88.1	29.0	690.0
128.0	77.0	63.1		
64.0	48.3	47.5	9.3	Infinite
32.0	32.6	38.4		
16.0	33.2	33.2		
8.0	25.6	28.9		
4.0	21.5	24.2		

MALAYSIA CSAMT No. 110



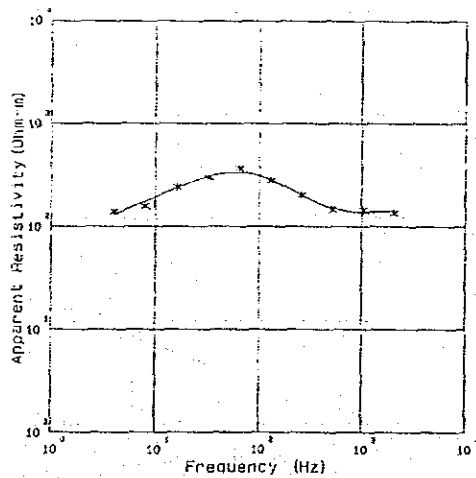
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	8890000	577	Rho (Ohm-m)	Thickness (a)
1024.0	545	575		
512.0	479	452	500.0	350.0
256.0	323	305	25.0	910.0
128.0	210	195		
64.0	121	128	5.1	Infinite
32.0	90.7	89.6		
16.0	77.5	59.3		
8.0	64.3	54.9		
4.0	41.5	40.8		

MALAYSIA CSAMT No. 111



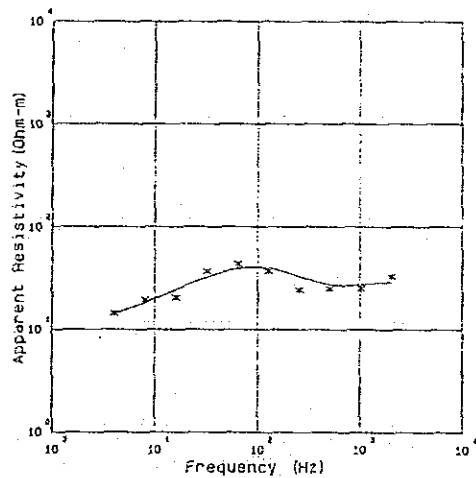
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	91.2	77.1	Rho (Ohm-m)	Thickness (a)
1024.0	37.1	72.4		
512.0	51.2	52.4	54.1	115.0
256.0	32.3	32.8	1.6	Infinite
128.0	19.8	19.9		
64.0	13.4	12.3	66.7	Infinite
32.0	8.49	7.55		
16.0	5.14	5.46		
8.0	4.16	4.02		
4.0	2.62	3.15		

MALAYSIA CSAMT No. 113



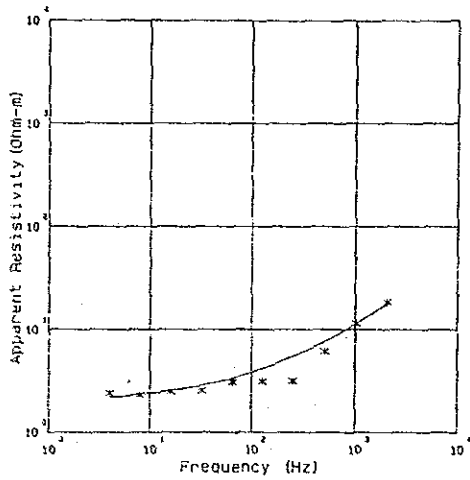
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	1360	1430	Rho (Ohm-m)	Thickness (a)
1024.0	1460	1370		
512.0	1480	1520	1530.0	595.0
256.0	2010	2030	7630.0	2970.0
128.0	2750	2850		
64.0	3680	3360	492.0	Infinite
32.0	2980	3080		
16.0	2420	2390		
8.0	1870	1750		
4.0	1390	1310		

MALAYSIA CSAMT No. 114



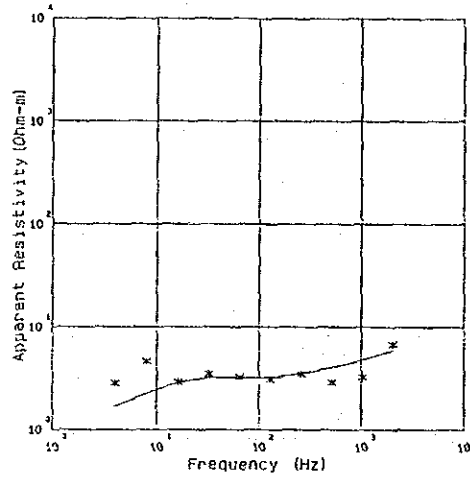
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	328	292	Rho (Ohm-m)	Thickness (a)
1024.0	292	275		
512.0	251	275	292.0	487.0
256.0	244	331	7500.0	489.0
128.0	372	389		
64.0	435	394	66.7	Infinite
32.0	359	323		
16.0	205	243		
8.0	195	183		
4.0	143	142		

MALAYSIA CSAMT No. 115



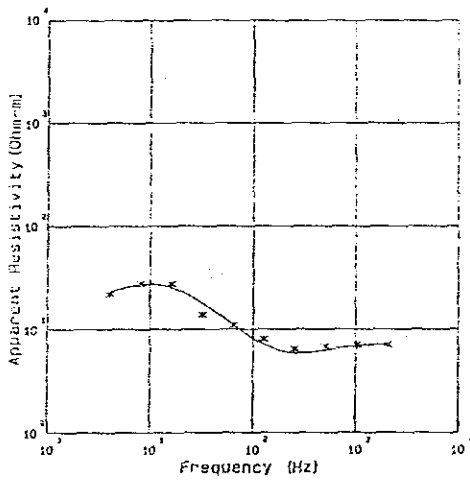
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
			Rho (Ohm-m)	Thickness (m)
2048.0	184	179	520.0	85.0
1024.0	114	114		
512.0	90.9	76.9	19.0	Infinite
256.0	31.5	54.8		
128.0	31.2	41.7		
64.0	30.9	33.7		
32.0	25.4	28.7		
16.0	25.0	25.9		
8.0	23.0	23.4		
4.0	24.1	22.0		

MALAYSIA CSAMT No. 116



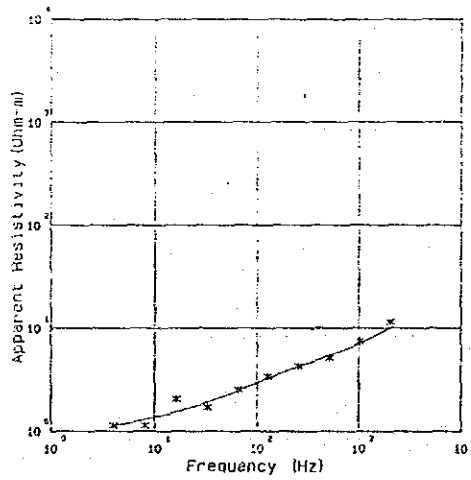
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
			Rho (Ohm-m)	Thickness (m)
2048.0	67.7	50.0	151.0	32.1
1024.0	32.4	48.1		
512.0	29.8	40.5	25.5	511.0
256.0	35.0	35.5		
128.0	30.9	32.3		
64.0	32.6	31.9		
32.0	34.8	32.0		
16.0	29.0	29.5		
8.0	25.3	22.5		
4.0	28.3	15.9		

MALAYSIA CSAMT No. 117



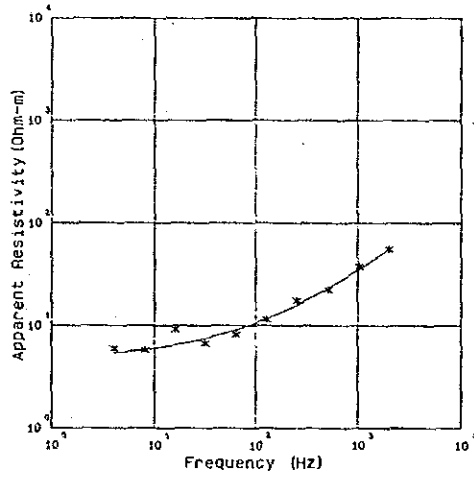
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
			Rho (Ohm-m)	Thickness (m)
2048.0	70.6	70.3	70.0	292.0
1024.0	70.3	59.4		
512.0	68.3	62.6	1490.0	2990.0
256.0	64.9	58.9		
128.0	80.4	71.4		
64.0	109	110		
32.0	139	181		
16.0	279	259		
8.0	279	274		
4.0	225	229		

MALAYSIA CSAMT No. 118



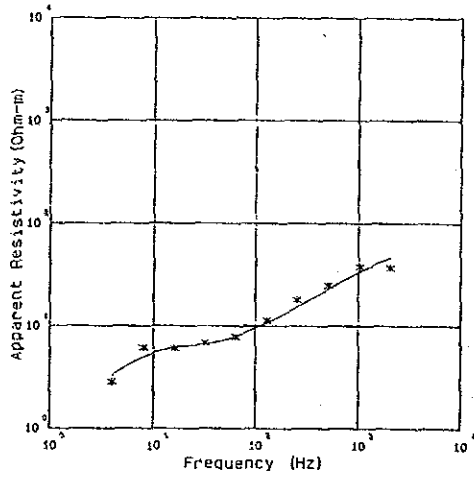
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
			Rho (Ohm-m)	Thickness (m)
2048.0	114	102	485.0	53.7
1024.0	74.5	71.7		
512.0	51.6	54.6	20.7	121.0
256.0	43.1	42.7		
128.0	33.9	32.7		
64.0	25.5	24.9		
32.0	17.1	19.3		
16.0	20.6	15.5		
8.0	11.4	13.0		
4.0	11.4	11.4		

MALAYSIA CSAMT No. 119



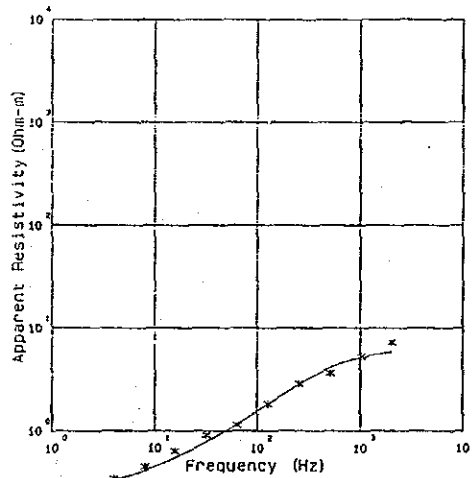
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	552	559	941.0	167.0
1024.0	375	358		
512.0	224	233	44.6	Infinite
256.0	177	160		
128.0	114	116		
64.0	81.4	90.8		
32.0	68.3	74.8		
16.0	91.6	54.6		
8.0	57.3	58.1		
4.0	59.3	53.8		

MALAYSIA CSAMT No. 120



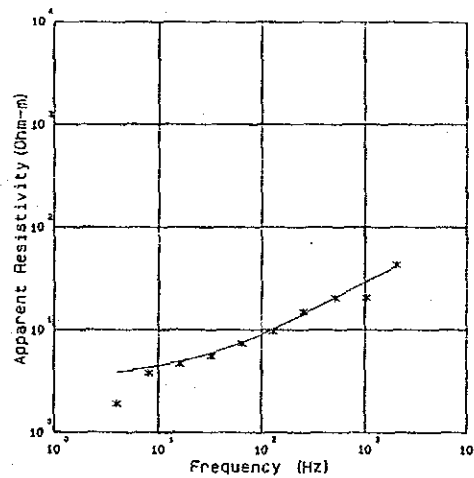
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	368	464	447.0	195.0
1024.0	378	340		
512.0	247	229	31.7	818.0
256.0	179	154		
128.0	113	107		
64.0	78.7	79.3		
32.0	68.7	66.8		
16.0	50.2	61.7		
8.0	61.5	49.6		
4.0	28.4	33.0	1.0	Infinite

MALAYSIA CSAMT No. 121



Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	72.5	59.1	84.0	40.0
1024.0	53.1	52.2		
512.0	36.4	41.4	23.0	75.0
256.0	28.6	28.4		
128.0	18.3	18.2		
64.0	11.4	11.7		
32.0	9.08	7.82		
16.0	6.38	5.52		
8.0	4.53	4.15		
4.0	3.42	3.32	1.8	Infinite

MALAYSIA CSAMT No. 122



Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	429	419	1089.0	108.0
1024.0	205	297		
512.0	204	208	93.0	108.0
256.0	150	142		
128.0	98.0	101		
64.0	73.5	75.4		
32.0	53.4	58.4		
16.0	46.1	49.3		
8.0	37.8	42.9		
4.0	19.1	38.7	30.0	Infinite

Table A-1

Microscopic Observation (Thin Section)

(Igneous Rocks)

Sample No.	Map Sheet No.	Rock Name	Texture	Phenocryst					Accessory Mineral			Secondary Mineral					
				Quartz	Potash feldspar	Plagioclase	Biotite	Muscovite	Apatite	Sphene	Tourmaline	Opaque minerals	Sericite	Kaoline	Chlorite	Calcite	Opaque minerals
A-04	65	granite (eq)	granitic	⊙	⊙	●	⊙	●	•			•	•				
A-06	65	granite (eq)	granitic	⊙	⊙	●	⊙	●	•			•	•				
S-04	65	granite (eq)	granitic	⊙	⊙	●	⊙	●	•		•	•	•				•
S-13	65	granite (po)	granitic	⊙	⊙	⊙	●	●	•			•	•				•
S-14	65	granite (po)	granitic	⊙	⊙	⊙	⊙	●	•			•	•				•
S-21	76	granite porphyry	porphyritic	⊙	⊙	⊙	●	●	•		•	•	•				•
S-25	76	granite porphyry	porphyritic	⊙	⊙	●	⊙	●	•			•	•				•
F-06	65	granite porphyry	porphyritic	⊙	⊙	●	⊙	●	•			•	•				•
F-08	65	greisen	granitic	⊙	⊙	●	⊙	●	•		•	•	•				•
F-21	66	granite (po)	granitic	⊙	⊙	⊙	●	●	•			•	•				•
F-30	66	granite (eq)	granitic	⊙	⊙	●	⊙	●	•			•	•				•
F-51	76	granite (eq)	granitic	⊙	⊙	⊙	⊙	●	•			•	•				•
J-09	31	granite (po)	granitic	⊙	⊙	⊙	⊙	●	•			•	•		○		●
H-05	31	leuc granite	granitic	⊙	⊙	●	⊙	●	•			•	•				•
H-08	31	leuc granite	granitic	⊙	⊙	●	⊙	●	•			•	•		●		•
H-11	31	granite (po)	granitic	⊙	⊙	⊙	⊙	●	•			•	•		●		•
H-19	31	granite (eq)	granitic	⊙	⊙	●	⊙	●	•			•	•		●		•
H-27	31	granite (eq)	granitic	⊙	⊙	⊙	⊙	●	•			•	•		○		•
H-28	31	granite (eq)	granitic	⊙	⊙	⊙	⊙	●	•			•	•		○		•
H-41	31	granite (eq)	granitic	⊙	⊙	●	⊙	●	•			•	•		○		•
H-44	31	granite (eq)	granitic	⊙	⊙	⊙	⊙	●	•			•	•		○		•

Note; eq: equigranular, po: porphyritic, leuc: leucocratic, (): pseudomorph

(Metamorphic Rocks)

Sample No.	Map Sheet No.	Rock Name	Texture	Quartz	Potash feldspar	Plagioclase	Muscovite	Actinolite	Chlorite	Opaque minerals
F-24	65	green schist	fibroblastic			⊙		⊙	●	○
F-47	66	quartzite	lepidoblastic	⊙						
H-45	31	mica schist	nematoblastic	⊙	○		⊙		●	•
H-47	31	metamorphosed acidic rock	porphyroblastic	⊙	○				●	•

Note ; ⊙ abundant, ○ common, ● a little, • rare

Table A-2

Microscopic Observation (Polished Section)

No.	Sample No.	Location	Occurrence	Minerals								
				Cassiterite	Chalcopyrite	Covellite	Pyrite	Magnetite	Hematite	Goethite	Quartz etc.	
1	F02	Bt. Mas	qz vein, w=20cm									⊙
2	F07	do	qz vein, w=15cm								●	⊙
3	F10	Ct. Rembian	cass-tourm-qz vein, w=20cm	⊙							●	○
4	F28	S. Bikam	hem-gossan	•						●	○*	
5	F56A	Batu Rembong	cass-qz vein, w=1~2cm	○			○					⊙
6	F56B	do	hem vein, w=1~2cm	○						●	⊙	
7	F426	Bt. Mas	hem gossan float	•						●	⊙*	
8	F430A	Batu Rembong	qz vein, w=5cm	•						•		⊙
9	F430B	do	cass-qz vein, w=5cm	○						•	●	⊙
10	F431A	do	fine grained concentrate	⊙			•	•	•	•	●*	•
11	F431B	do	coarse grained concentrate	○		•	•	•	•	•	•	•
12	H30	S.Ringat	cass-tourm-qz vein, w=20cm	○								⊙
13	H35	East branch of S.Ringat	cass-tourm-qz vein, w=40cm	⊙							•	⊙
14	H38	S.Ringat	cass-tourm-qz vein, w=20cm	○						•	•	⊙
15	H39	do	cass-tourm-qz vein, w=20cm	⊙			•			•	•	●
16	H40A	West branch of S.Ringat	cass-tourm-qz vein, w=10cm	○	•		•					⊙

Note : cass : cassiterite, hem : hematite, tourm : tourmaline, qz : quartz

⊙ abundant, ○ common, ● a little, • rare

* Goethite, with hydrous iron oxide "limonite", occurs as botryoidal masses.

Table A-3

Assay Results of Ore Samples

No.	Sample No.	Location	Occurrence	Assay Results (ppm)																			
				Au	Ag	Cu	Pb	Zn	As	W	Sn	Nb	Ta	U	Th	La	Ce	Sm	Eu	Tb	Yb	Lu	Nd
1	A12	S. Bikam	qz vein, w=20cm	0.01	(0.05)	74	22	4	45	4	10	7	(2)	(1)	(1)	2	4	0.3	(0.1)	(0.1)	0.1	(0.1)	(5)
2	F02	Bt. Mas	qz vein, w=20cm	0.01	(0.05)	42	4	4	600	4	10	7	(2)	(1)	1	(1)	2	0.1	(0.1)	(0.1)	(0.1)	(0.1)	(5)
3	F11	Ct. Rembian	tourm-qz vein, w=20cm	(0.01)	(0.05)	(1)	(1)	(1)	2	3	5	6	(2)	(1)	1	(1)	2	0.2	(0.1)	(0.1)	(0.1)	(0.1)	(5)
4	F56	Batu Lombong	qz vein, w=1~2cm	(0.01)	(0.05)	64	20	28	200	4	30	7	(2)	1	1	2	23	0.2	(0.1)	(0.1)	0.3	(0.1)	(5)
5	F404	Ct. Rembian	qz vein, w=500cm	0.01	(0.05)	41	8	4	15	8	10	5	(2)	(1)	(1)	1	4	0.1	(0.1)	(0.1)	(0.1)	(0.1)	(5)
6	F424	Bt. Mas	qz float	0.10	(0.05)	20	10	4	10	4	10	6	(2)	(1)	(1)	8	8	1.0	(0.1)	(0.1)	(0.1)	(0.1)	6
7	F426	do	hem gossan float	0.01	2.2	68	60	140	60	8	15	8	(2)	6	5	8	21	2.1	0.3	0.4	1.6	0.4	(5)
8	H35	S. Ringat	qz vein, w=40cm	0.01	6	46	12	6	0.9%	24	100	7	(2)	(1)	(1)	6	15	0.9	(0.1)	0.7	0.4	0.1	12
9	H40A	do	qz vein, w=10cm	0.02	3.2	260	20	16	1.2%	16	5	14	(2)	4	13	35	61	5.7	0.9	0.6	1.1	0.4	30
10	S11	S. Cheras	qz vein, w=10cm	0.01	0.2	60	14	24	200	4	30	8	(2)	(1)	2	3	8	0.6	(0.1)	0.1	0.2	(0.1)	(5)

Table A-4

Results of Xray Diffraction Analysis

Serial Number	Sample Number	Location	Discription	Alteration Minerals												
				quartz	feldspar	kaolinite	illite	pyrophyllite	montmorillonite	saponite	mica - montmorillonite	sericite	vermiculite	tourmaline		
1	F-03	Bt. Mas	argillized phyllite	.	.	○	⊙							⊙		
2	F-411	South of Tapah	argillized granite	.	.	⊙	.									
3	F-412	do	do	.		⊙	.									
4	F-413	do	do	.	.	⊙	.									
5	F-414	do	do		.	⊙	.	.								
6	F-415	do	do	.	.	⊙			.	.	.	.
7	F-416	do	argillized phyllite	.	.	○	○									
8	F-417	do	argillized granite	○	.	⊙	.									
9	F-418	do	do	.		⊙								.		
10	F-419	Highway	argillized phyllite	.	.	⊙	.									
11	F-420	Bidor	do	⊙	.	○	○									
12	F-421	South of Tapah	argillized granite		.	⊙	.									
13	F-422	Bt. Mas	argillized phyllite	.	.	⊙	.									
14	F-423	do	argillized granite	.	.	○	.									
15	F-425	do	argillized phyllite	.	.	⊙	.									
16	F-427	South of Tapah	argillized granite	.	.	⊙	.									
17	F-428	do	do	.		⊙	.		.	.				.
18	F-432	do	do	.	.	⊙	.									
19	F-433	Ct. Rembian	greisen	●	.		.						.			.
20	S-12	North of Tapah	argillized phyllite		.	⊙	⊙									

⊙ abundant ○ common ● a little . rare

Table A-5 Results of Semiquantitative Mineral Examination (QME)

-- PERA --

***** MINERAL CONTENTS IN GEOCHEMICAL SAMPLES *****

Ser. No.	Sample No.	Geol. Unit	AU ppm	HG %	GT %	IL %	TR %	AL %	EP %	XE %	MO %	CA %	RU %	PY %	ZI %	TO %
1	SC3	AG	0.0	0.5	0.0	76.5	19.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	2.0	0.0
2	SC4	AG	0.0	1.0	0.0	88.5	3.5	0.0	0.0	0.0	0.0	3.5	0.5	0.0	1.5	1.5
3	SC5	AG	0.0	0.0	0.0	64.5	29.5	0.0	0.0	0.0	0.0	2.0	0.5	0.0	2.5	0.0
4	SC6	AG	0.0	0.5	0.0	41.0	53.0	0.0	0.0	0.0	0.0	0.5	1.0	0.0	0.5	3.5
5	SC7	AG	0.0	1.0	0.0	80.5	8.5	0.0	0.0	1.0	0.5	2.0	1.0	0.0	1.5	4.0
6	SC8	AG	0.0	1.0	0.0	62.0	30.5	0.0	0.0	0.0	0.0	0.5	2.0	0.0	1.5	2.5
7	SC17	AG	0.0	0.5	0.0	78.5	13.5	0.0	1.0	0.0	0.5	0.5	2.0	0.0	1.0	2.5
8	SC20	AG	0.0	0.0	0.0	92.5	4.0	0.5	0.0	0.0	0.0	0.0	1.5	0.0	1.0	0.5
9	SC22	AG	0.0	0.0	0.0	95.0	3.0	0.0	0.0	0.0	0.5	0.5	1.0	0.0	0.5	1.5
10	SC34	AG	0.0	0.0	0.0	92.5	1.0	0.0	0.0	0.0	0.0	1.5	2.0	0.0	1.5	1.5
11	SC37	AG	0.0	0.0	0.0	79.0	17.0	0.0	1.0	0.5	0.5	0.0	1.0	0.0	0.0	0.0
12	SC42	AS	130.8	0.5	0.0	5.5	0.0	1.0	0.5	0.0	0.0	1.5	1.0	89.5	0.5	0.0
13	SC43	AG	1427.1	2.0	0.0	38.5	1.0	2.5	0.0	4.0	0.5	20.5	6.5	1.0	12.5	0.0
14	SC44	AG	26.0	0.5	0.0	65.5	16.5	0.5	0.0	0.5	1.0	1.0	5.0	0.5	8.5	0.5
15	SC45	AG	349.2	0.0	0.5	60.5	7.0	2.5	0.0	0.0	0.5	11.0	10.0	0.5	7.0	0.5
16	SC46	AG	9.6	0.0	0.0	89.5	3.5	1.0	0.0	0.0	0.5	0.5	2.0	0.0	2.0	1.0
17	SC47	AG	22.4	0.5	0.0	76.0	3.0	0.5	0.0	0.0	1.0	6.5	4.5	0.0	7.5	0.5
18	SC51	AS	7.1	3.0	0.0	67.5	1.5	0.5	0.0	0.0	0.5	0.5	7.0	0.0	4.0	3.5
19	SC53	AS	15.0	3.0	0.0	23.0	3.0	2.5	0.0	0.0	0.0	8.0	56.0	0.0	1.0	0.0
20	SC56	AG	0.0	0.5	0.0	53.0	37.5	0.0	0.0	0.5	0.5	0.5	2.5	0.0	1.5	3.5
21	SC64	AG	0.0	0.5	0.0	68.0	18.0	0.0	0.0	0.0	0.0	9.5	6.5	0.0	4.0	2.0
22	SC67	AS	42.9	3.0	0.0	56.5	1.5	1.5	0.0	0.0	0.5	0.0	31.5	1.0	3.0	1.5
23	SC68	AG	0.0	0.5	0.0	81.0	16.0	0.0	0.0	0.0	0.5	0.0	1.0	0.0	0.0	1.0
24	SC71	AG	0.0	0.0	0.0	72.0	23.5	0.0	0.0	0.0	0.0	0.5	1.0	0.0	1.0	2.0
25	SC78	AG	0.0	0.0	0.0	86.5	0.5	0.5	0.0	0.0	0.5	0.0	3.5	0.0	8.0	0.5
26	SC104	AG	0.0	0.0	0.0	1.0	2.0	2.0	0.0	1.0	1.0	0.0	28.5	0.0	60.0	4.5
27	SC135	AG	0.0	0.0	0.0	96.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.0	3.0	0.0
28	SC142	AG	0.0	0.0	0.0	99.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
29	AC2	AG	0.0	3.0	0.0	79.0	6.5	0.0	1.0	0.0	2.5	0.0	1.5	0.0	5.0	1.5
30	AC5	AG	0.0	2.5	0.0	76.0	8.5	0.0	0.0	1.5	2.5	0.0	1.5	0.0	7.0	0.5
31	AC6	AG	0.0	2.5	0.0	81.0	6.5	0.0	0.0	3.0	1.0	0.0	1.5	0.0	0.5	4.0
32	AC8	AG	0.0	2.0	0.0	90.0	3.5	0.0	0.0	0.0	0.5	0.0	0.5	0.0	1.5	2.0
33	AC11	AG	0.0	5.0	0.0	67.5	8.5	0.0	0.0	0.5	2.5	0.5	1.5	0.0	13.5	0.5
34	AC15	AG	0.0	1.0	0.5	72.5	11.5	0.0	0.0	1.5	1.0	0.5	1.0	0.0	8.5	2.0
35	AC18	AG	0.0	1.5	0.0	83.0	4.5	0.0	0.0	1.0	2.0	0.0	0.5	0.0	7.0	0.5
36	AC23	AS	0.0	0.0	0.0	85.5	5.5	0.0	0.0	1.0	1.0	1.5	0.5	0.0	1.5	3.5
37	AC24	AS	0.0	0.0	0.0	80.5	2.0	0.0	0.0	0.5	0.0	11.0	1.0	0.0	5.0	0.0
38	AC26	AS	42.6	0.0	6.0	44.5	0.5	7.0	0.0	1.0	0.5	0.0	28.5	2.0	8.0	2.0
39	AC27	AS	2.5	0.0	0.0	92.0	0.0	0.0	0.0	0.0	0.0	3.0	2.5	0.0	0.5	0.0
40	AC29	AS	11.3	0.5	0.0	35.5	1.5	0.5	0.0	0.0	0.5	18.0	18.0	0.0	24.0	0.5
41	AC31	AS	58.5	0.5	4.0	73.5	2.0	0.5	0.5	0.5	0.5	12.5	2.0	0.0	3.5	0.0
42	AC32	AS	12.3	0.0	2.0	88.0	0.5	0.0	0.0	1.0	0.5	5.0	0.0	0.0	1.0	2.0
43	AC33	AS	10.0	0.5	2.0	79.0	0.0	1.5	0.0	0.0	0.0	0.0	12.5	2.5	1.0	1.0
44	AC35	AG	0.0	0.0	0.5	76.0	1.0	0.0	0.0	0.0	1.0	0.0	3.0	0.0	13.0	5.5
45	AC39	AG	0.0	0.5	0.5	50.0	6.0	0.5	0.0	0.0	2.0	18.0	4.5	0.0	2.0	16.0
46	AC42	AG	0.0	1.0	0.0	78.5	6.0	0.0	0.0	0.5	0.5	5.5	1.0	0.0	1.5	5.5
47	AC48	AS	15.8	0.0	0.0	75.0	3.5	0.0	0.0	0.0	0.5	9.5	4.0	0.0	6.5	1.0
48	AC58	AS	69.8	3.5	0.0	46.5	1.0	2.0	0.0	0.0	1.5	16.0	12.0	2.0	15.0	1.0
49	AC59	AS	168.3	0.0	4.0	17.0	14.0	0.0	0.0	0.0	1.0	16.0	19.0	2.0	14.0	8.0
50	AC60	AS	446.7	3.0	3.5	36.0	1.0	8.5	0.0	0.0	4.5	22.0	10.5	0.0	6.0	3.0

-- PERA --

***** MINERAL CONTENTS IN GEOCHEMICAL SAMPLES *****

Ser. No.	Sample No.	Geol. Unit	AU ppm	MG %	GT %	IL %	TR %	AL %	EP %	XE %	MO %	CA %	RU %	PY %	ZI %	TO %
51	AC61	AS	14.4	1.0	0.0	28.5	0.5	19.0	1.5	2.0	8.0	0.5	16.5	0.5	21.5	0.5
52	AC62	AS	189.9	1.5	1.0	20.0	0.5	10.5	4.0	4.0	0.5	2.5	18.0	0.0	28.0	0.5
53	AC63	AS	61.3	2.5	0.0	21.0	0.0	10.0	5.0	0.5	11.5	0.0	19.5	0.0	27.5	1.0
54	AC65	AG	0.0	0.0	0.0	78.0	15.5	0.0	0.0	0.5	0.5	0.5	1.0	0.0	3.0	1.0
55	AC67	AG	0.0	0.0	0.0	84.0	10.0	0.0	0.0	0.5	0.5	0.0	0.5	0.0	4.0	0.5
56	AC70	AG	0.0	0.0	0.0	63.0	23.0	1.0	0.0	0.0	0.5	0.0	5.0	0.0	7.0	0.0
57	AC93	AS	0.0	2.0	0.0	0.5	3.5	0.0	0.0	0.0	2.0	0.0	28.0	0.0	61.0	3.0
58	FC1	AS	0.0	1.5	0.0	86.0	2.5	0.0	0.0	0.0	0.5	0.0	3.5	0.0	1.5	4.5
59	FC4	AS	0.0	6.5	0.0	16.0	5.5	0.5	0.0	0.0	0.0	57.0	11.0	0.0	3.5	0.0
60	FC5	AS	0.0	19.0	0.0	20.0	1.5	1.0	0.0	0.0	0.5	26.5	15.5	1.0	14.5	0.5
61	FC6	AS	0.0	8.0	0.0	30.0	7.5	2.5	0.0	0.0	0.5	5.0	22.0	0.0	22.0	2.5
62	FC7	AS	0.0	10.0	0.0	42.0	2.0	0.5	0.0	0.0	0.5	0.5	17.0	0.0	27.5	1.0
63	FC10	AS	201.7	0.5	0.0	9.5	2.0	1.5	0.0	0.0	0.5	55.5	8.5	0.0	17.5	4.5
64	FC12	AG	0.0	4.5	0.0	2.0	84.0	0.0	0.0	0.0	0.0	0.5	6.0	0.0	2.0	1.0
65	FC20	AG	0.0	0.0	0.0	52.5	18.5	0.5	0.0	0.0	0.0	8.0	16.5	0.0	4.0	0.0
66	FC21	AG	0.0	0.5	0.0	76.0	10.5	0.5	0.0	0.0	0.0	0.5	11.5	0.0	0.5	1.0
67	FC24	AG	0.0	0.0	0.0	90.5	1.0	0.0	0.0	0.0	0.0	4.5	0.5	0.0	0.0	3.5
68	FC25	AG	0.0	0.0	0.0	20.0	18.0	0.0	0.0	0.0	0.5	0.5	6.5	0.0	3.0	51.5
69	FC33	AS	0.0	0.0	0.0	61.0	0.0	0.0	0.0	0.0	0.0	27.0	1.5	0.0	1.0	9.5
70	FC44	AG	0.0	0.5	0.0	63.0	10.0	0.0	0.0	0.0	0.5	1.0	0.5	0.0	0.5	24.0
71	FC50	AG	0.0	2.0	0.0	3.0	25.0	0.0	0.0	0.0	0.5	0.0	5.0	0.0	0.5	64.0
72	FC51	AG	0.0	5.5	0.0	4.5	41.5	0.0	0.0	0.0	0.5	0.0	3.0	0.0	1.5	43.0
73	FC52	AG	0.0	0.0	0.0	1.0	41.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5	56.5
74	FC55	AS	640.2	6.0	0.0	54.0	7.0	0.5	0.0	0.0	1.5	4.5	4.0	0.0	4.5	18.0
75	FC59	AG	0.0	4.5	0.0	56.0	28.5	0.0	0.5	0.0	1.0	0.0	1.0	0.0	1.0	6.5
76	FC66	AG	0.0	0.0	0.0	8.0	42.0	0.0	0.0	0.0	0.5	1.0	6.0	0.0	0.5	42.0
77	FC67	AG	0.0	1.0	0.0	5.5	49.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	1.0	37.0
78	FC69	AG	0.0	2.0	0.0	20.5	35.5	0.0	0.0	1.5	1.5	10.0	11.0	0.0	4.0	15.5
79	FC76	AG	0.0	10.5	0.0	58.0	17.0	0.0	0.0	0.5	2.0	0.5	2.5	0.0	3.0	5.5
80	FC78	AG	0.0	10.0	0.0	59.0	13.5	0.0	0.5	0.5	3.5	0.0	2.5	0.0	8.0	2.5
81	FC87	AS	0.0	5.0	0.0	48.5	3.5	0.0	0.0	0.0	0.5	15.0	4.5	0.0	12.5	10.5
82	FC91	AS	0.8	0.0	0.0	41.5	4.5	1.5	0.0	0.0	0.0	15.5	4.0	0.0	0.5	32.5
83	FC92	AG	0.0	0.0	0.0	74.5	16.5	0.0	0.0	0.0	0.5	0.0	3.5	0.0	3.5	1.5
84	FC99	AG	0.0	1.5	0.0	83.5	4.0	0.5	0.5	0.5	1.5	2.0	1.5	0.0	1.5	2.5
85	FC103	AS	107.9	18.0	0.0	47.5	2.5	3.0	0.0	0.0	5.0	11.0	6.5	0.0	6.0	0.5
86	FC109	AS	0.0	0.0	0.0	77.0	14.5	0.5	0.0	0.5	0.5	1.0	1.5	0.0	4.0	0.5
87	FC111	AS	0.0	0.0	0.0	71.0	25.0	0.0	0.5	0.0	0.0	0.5	1.0	0.0	1.0	1.0
88	FC113	AS	0.0	0.0	0.0	64.5	29.5	0.0	0.0	0.5	0.0	0.0	2.0	0.0	3.0	0.5
89	FC120	AS	0.0	0.0	0.0	88.0	8.0	0.0	0.0	0.0	0.5	0.0	1.5	0.0	1.5	0.5
90	FC123	AS	0.0	0.0	0.0	91.5	5.5	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
91	FC133	AS	0.0	1.5	0.0	75.0	4.5	0.0	0.5	0.5	1.0	0.0	2.5	0.0	12.5	1.0
92	FC137	AS	0.0	0.0	0.0	89.5	1.0	0.0	0.0	0.5	1.5	0.0	1.0	0.0	6.0	0.5
93	FC153	AG	0.0	0.5	0.0	33.0	60.0	0.0	0.0	0.0	0.5	0.0	2.5	0.0	0.5	3.0
94	FC162	AG	0.0	0.0	0.0	87.0	8.5	0.0	0.0	0.0	0.0	0.5	2.0	0.0	2.0	0.0
95	FC167	AG	0.0	0.0	0.0	71.5	18.5	0.5	0.0	0.0	0.5	0.0	2.5	0.0	5.5	1.0
96	FC168	AG	0.0	0.0	0.0	69.0	22.5	0.5	0.0	0.0	0.5	0.0	2.5	0.0	3.5	1.5
97	FC182	AS	8.3	1.5	0.0	52.0	2.5	2.5	0.0	0.0	0.5	12.5	6.5	10.0	8.0	4.0
98	FC185	AS	0.0	6.0	0.0	17.0	2.0	3.0	0.0	0.5	7.0	6.0	26.0	1.5	28.5	0.5
99	FC198	AS	0.0	39.5	0.0	42.0	2.5	2.5	0.0	0.0	0.0	0.0	6.5	0.0	4.5	2.5
100	FC215	AS	0.0	7.0	0.0	77.5	4.5	0.0	0.0	0.0	0.5	0.0	6.0	0.5	3.0	1.0

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***** MINERAL CONTENTS IN GEOCHEMICAL SAMPLES *****

Ser. No.	Sample No.	Geol. Unit	AU ppm	MG %	GT %	IL %	TR %	AL %	EP %	XE %	MO %	CA %	RU %	PY %	ZI %	TO %
101	FC242	AS	0.0	0.0	0.0	41.5	30.5	0.5	0.0	0.5	0.5	0.0	2.5	0.0	1.5	22.5
102	FC255	AS	0.0	0.0	0.0	82.0	5.5	0.0	0.0	0.0	0.0	0.0	8.0	0.0	3.5	1.0
103	FC256	AS	0.0	0.0	0.0	25.0	1.5	7.0	0.0	0.5	1.0	0.0	20.5	0.0	39.5	5.0
104	FC279	AG	0.0	0.0	0.0	89.0	7.5	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	1.5
105	FC296	AG	0.0	0.5	0.0	87.5	4.5	0.0	0.5	1.0	0.5	0.0	0.5	0.0	4.0	1.0
106	FC297	AG	0.0	0.0	0.0	80.5	15.5	0.0	0.0	0.0	0.5	0.0	2.0	0.0	0.5	1.5
107	FC298	AG	0.0	0.5	0.0	87.5	1.0	0.0	0.0	0.0	1.0	3.5	0.5	0.0	5.5	0.5
108	TC14	AG	0.0	0.0	0.0	99.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0
109	TC15	AG	0.0	0.0	0.0	99.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
110	TC16	AG	0.0	0.5	0.0	97.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.5
111	TC17	AG	0.0	0.0	0.0	99.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
112	TC18	AG	0.0	0.0	0.0	99.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
113	TC19	AG	0.0	0.0	0.0	95.5	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	1.5	1.5
114	TC20	AS	0.0	0.0	0.0	98.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	1.0	0.0
115	TC29	AS	0.0	21.5	0.0	69.0	0.0	0.0	0.0	0.0	0.0	1.5	6.0	0.0	1.0	1.0
116	TC32	AS	0.0	0.5	0.0	95.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	3.0	1.0
117	TC34	AS	0.0	0.5	0.0	29.0	0.0	1.5	0.0	0.0	0.5	0.0	27.5	0.0	41.0	0.0
118	TC37	AG	0.0	0.0	0.0	97.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	1.0	1.0
119	TC48	AS	0.0	1.0	0.0	87.0	0.0	0.5	0.0	0.5	0.0	0.5	5.5	0.0	4.0	1.0
120	TC51	AG	0.0	0.0	0.0	96.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	2.5	0.5
121	TC55	AG	0.0	5.0	0.0	84.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	2.0
122	TC62	AG	0.0	0.5	0.0	95.5	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	2.5	0.5
123	TC63	AG	0.0	0.0	0.0	91.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	5.5	2.0
124	TC67	AG	0.0	0.5	0.0	98.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	1.0	0.0
125	TC70	AS	0.0	0.5	0.0	61.5	0.0	3.0	0.0	0.0	0.0	14.0	3.5	0.0	17.5	0.0
126	TC71	AS	0.0	0.5	0.0	18.0	0.0	2.0	0.0	0.0	1.0	0.5	23.0	0.0	48.5	1.5
127	TC84	AS	0.0	1.5	0.0	12.5	0.5	4.0	0.0	0.0	0.0	0.0	40.0	0.0	40.0	0.0
128	TC97	AS	0.0	0.0	0.0	9.5	0.0	0.5	0.0	0.0	1.5	0.0	18.0	0.0	70.5	0.0
129	TC105	AS	0.0	27.0	0.0	12.5	0.0	1.0	0.0	0.0	0.5	0.0	9.0	0.0	47.0	0.5
130	TC107	AS	0.0	1.0	0.0	6.5	0.0	2.0	0.0	0.0	0.5	0.0	27.0	0.0	63.0	0.0
131	TC116	AG	0.0	0.0	0.0	87.0	6.0	0.0	0.0	0.5	1.5	0.0	1.0	0.0	4.0	0.0
132	TC121	AG	0.0	0.0	0.0	88.5	1.5	0.0	0.0	0.0	0.0	0.0	1.5	0.0	6.0	0.5
133	TC123	AG	0.0	0.0	0.0	85.5	4.0	1.5	0.0	0.0	0.0	0.0	1.5	0.0	7.5	0.0
134	TC128	AS	0.0	0.5	0.0	82.5	4.0	0.0	0.0	0.0	0.0	4.0	2.0	0.0	4.5	0.5
135	TC134	AG	0.0	4.0	0.0	62.0	12.0	0.0	0.0	0.0	0.0	1.0	3.5	0.0	11.5	6.0
136	TC135	AG	0.0	0.0	0.0	84.5	7.0	0.0	0.0	1.0	0.0	0.0	0.5	0.0	2.5	0.5
137	TC137	AG	0.0	0.0	0.0	82.5	11.5	0.0	0.0	0.5	1.0	0.0	0.0	0.0	3.0	1.5
138	TC142	AS	0.0	0.0	0.0	31.0	0.5	8.0	0.0	0.5	0.5	0.0	24.0	0.0	35.5	0.0
139	TC146	AS	0.0	0.0	0.0	86.0	0.5	1.0	0.0	0.0	0.0	0.0	8.0	0.0	4.0	0.5
140	TC147	AG	0.0	0.0	0.0	84.5	7.5	0.0	0.0	0.0	0.0	0.0	1.0	0.0	2.5	1.5
141	TC148	AG	0.0	0.0	0.0	82.5	7.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	4.5	2.0
142	TC150	AS	0.0	0.0	0.0	32.0	0.5	10.0	0.0	0.0	0.5	0.0	17.0	0.0	34.5	5.5
143	TC152	AS	0.0	2.0	0.0	32.0	0.5	6.0	0.0	0.0	0.5	0.0	28.0	0.0	31.0	0.0
144	TC153	AS	0.0	2.0	0.0	33.5	0.5	3.0	0.0	0.0	1.0	0.0	42.0	0.0	18.0	0.0
145	TC162	AS	0.0	11.0	0.0	49.0	1.0	0.0	0.0	0.0	0.5	0.0	17.0	0.0	21.5	0.0
146	TC167	AS	0.0	0.5	0.0	14.5	0.5	7.5	0.0	0.0	0.0	0.0	33.0	0.0	42.0	0.0
147	TC174	AS	0.0	6.0	0.0	53.5	0.5	0.0	0.0	0.0	3.5	0.0	13.0	0.0	21.0	0.0
148	TC176	AS	0.0	3.5	0.0	2.5	1.5	0.5	0.0	0.0	1.0	0.0	18.0	0.0	73.0	0.0
149	TC178	AS	0.0	1.0	0.0	8.0	0.0	6.0	0.0	0.0	3.0	0.0	43.0	0.0	33.0	0.0
150	TC179	AS	0.0	5.0	0.0	9.0	5.0	13.0	0.0	0.0	4.0	0.0	24.0	0.0	33.0	0.0

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***** MINERAL CONTENTS IN GEOCHEMICAL SAMPLES *****

Ser. No.	Sample No.	Geol. Unit	AU ppm	MG %	GT %	IL %	TR %	AL %	EP %	XE %	MO %	CA %	RU %	PY %	ZI %	TO %
151	TC181	AS	0.0	0.5	0.0	9.5	0.5	4.0	0.0	0.0	1.0	0.0	4.5	0.0	59.0	0.0
152	TC184	AS	0.0	36.5	0.0	19.0	3.5	3.5	0.0	0.0	0.0	0.0	15.0	0.0	22.5	0.0
153	TC188	AS	0.0	2.0	0.0	76.0	16.0	0.0	0.0	0.0	0.0	4.0	2.0	0.0	0.0	0.0
154	TC197	AG	0.0	1.0	0.0	84.0	5.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	4.0	0.0
155	TC199	AS	0.0	28.0	0.0	19.0	0.5	2.5	0.0	0.0	0.5	0.0	41.0	0.0	7.5	0.0
156	TC200	AS	0.0	71.0	0.0	9.0	0.5	0.0	0.0	0.0	0.0	0.0	5.0	0.0	14.0	0.5
157	TC207	AG	0.0	0.5	0.0	93.0	2.0	0.0	0.0	0.0	0.5	0.0	2.0	0.0	2.0	0.0
158	TC208	AG	0.0	0.0	0.0	92.5	3.5	0.0	0.0	0.0	0.5	0.0	2.0	0.0	1.5	0.0
159	TC212	AG	0.0	0.0	0.0	91.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	5.0	1.0
160	TC220	AS	0.0	4.0	0.0	10.0	1.5	1.5	0.0	0.0	0.5	0.0	21.0	0.0	57.5	0.0
161	TC224	AS	0.0	0.0	0.0	82.5	0.5	0.0	0.0	0.0	0.5	0.0	5.0	0.0	11.0	0.5
162	TC226	AS	0.0	0.0	0.0	88.0	0.5	0.5	0.0	0.0	0.0	0.0	4.0	0.0	7.0	0.0
163	TC227	AS	0.0	0.0	0.0	94.0	0.0	0.5	0.0	0.0	0.0	0.0	3.0	0.0	2.5	0.0
164	TC231	AG	0.0	0.0	0.0	96.5	2.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.5	0.5
165	TC233	AG	0.0	0.0	0.0	95.5	1.5	0.0	0.0	0.0	0.5	0.0	1.0	0.0	1.5	0.0
166	TC238	AG	0.0	0.5	0.0	93.0	1.0	0.0	0.0	0.5	0.5	0.0	0.5	0.0	3.5	0.5
167	TC240	AS	0.0	3.0	0.0	18.0	0.5	0.5	0.0	0.0	0.0	0.0	10.5	0.0	67.5	0.0
168	HC4	C	0.0	0.5	0.0	44.5	12.0	0.0	0.0	0.0	2.0	6.5	13.0	0.0	21.5	0.0
169	HC5	C	0.0	0.0	5.0	42.0	4.5	0.5	0.0	0.0	15.0	21.0	2.5	0.0	7.5	2.0
170	HC7	C	0.0	0.0	4.5	70.5	12.0	0.0	0.0	0.0	1.0	1.0	3.5	0.0	6.5	0.5
171	HC10	C	0.0	0.0	3.5	54.5	13.5	0.0	0.0	0.0	9.5	4.5	3.5	0.0	9.0	2.0
172	HC14	C	0.0	0.5	4.0	75.0	2.5	0.0	0.0	0.0	5.5	6.5	3.5	0.0	2.5	0.0
173	HC15	C	0.0	0.0	8.5	71.0	13.0	0.0	0.0	0.0	2.0	0.0	3.0	0.0	1.5	1.0
174	HC19	C	0.0	0.0	0.0	83.5	8.0	0.5	0.0	0.0	1.0	2.0	4.5	0.0	0.5	0.0
175	HC22	C	0.0	0.0	6.0	57.0	26.0	0.0	0.0	0.0	1.0	0.0	5.5	0.0	0.5	1.5
176	HC23	C	0.0	0.0	7.5	64.5	15.0	0.0	0.0	0.0	1.5	4.5	4.0	0.0	1.5	1.0
177	HC24	C	0.0	0.0	0.0	63.5	12.0	0.0	0.0	0.5	2.0	0.0	17.5	0.0	4.5	0.0
178	HC26	C	0.0	0.0	0.0	85.5	3.5	0.0	0.0	0.0	1.0	0.0	8.0	0.0	2.0	0.0
179	HC30	C	0.0	0.0	0.5	73.5	12.5	0.0	0.0	0.0	1.5	0.5	8.5	0.0	3.0	0.0
180	HC32	C	0.0	0.0	7.5	76.0	5.5	0.0	0.0	1.0	2.5	0.0	3.0	0.0	4.5	0.0
181	HC33	C	0.0	0.0	6.0	61.0	25.0	0.0	0.0	0.0	2.0	0.0	4.5	0.0	1.5	0.0
182	HC39	C	0.0	0.0	14.5	48.5	25.5	0.0	0.0	0.5	3.5	0.5	4.0	0.0	3.0	0.0
183	HC44	C	0.0	0.0	0.0	84.0	1.5	0.0	0.0	0.5	2.5	0.0	4.5	0.0	7.0	0.0
184	HC45	C	0.0	0.0	1.0	64.5	25.5	0.0	0.0	0.5	1.0	1.0	3.5	0.0	3.0	0.0
185	HC70	C	0.0	2.0	0.0	32.0	46.0	0.0	0.0	0.0	0.5	0.5	16.0	0.0	3.0	0.0
186	HC74	C	0.0	22.5	0.5	18.5	0.0	0.0	0.5	0.0	2.0	0.0	5.0	0.0	0.0	49.0
187	HC75	C	0.0	3.5	0.0	11.0	43.5	0.0	0.0	0.0	0.5	29.0	9.0	0.0	3.0	0.0
188	HC77	C	0.0	1.0	0.0	31.5	19.5	0.0	0.0	0.0	2.0	17.0	21.5	0.0	7.0	0.5
189	HC80	C	0.0	0.5	0.0	10.5	70.5	0.0	0.0	0.0	0.5	7.5	8.5	0.0	0.0	0.0
190	HC83	C	0.0	0.0	0.0	81.5	8.5	0.0	0.0	0.5	1.0	0.5	6.5	0.0	1.5	0.0
191	HC84	C	0.0	0.0	0.0	75.5	5.0	0.0	0.0	0.5	1.5	0.0	14.0	0.0	3.5	0.0
192	HC85	C	0.0	0.5	0.0	75.0	6.5	0.0	0.0	0.0	1.5	0.0	8.5	0.0	8.0	0.0
193	HC87	C	0.0	40.0	0.0	52.0	0.0	0.0	0.0	0.0	0.5	0.0	7.0	0.0	0.5	0.0
194	HC88	C	0.0	59.5	0.0	37.0	0.0	0.0	0.0	0.0	0.5	0.0	2.5	0.0	0.5	0.0
195	HC93	C	0.0	2.5	0.0	37.0	15.0	0.0	0.0	0.5	3.0	0.5	16.0	0.0	25.5	1.0
196	HC94	C	0.0	0.5	0.0	71.5	4.5	0.0	0.0	0.5	2.5	0.5	10.5	0.0	9.5	0.0
197	HC98	C	0.0	1.5	54.5	54.5	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	1.5	0.0
198	JC1	C	0.0	0.0	0.0	74.5	16.0	0.0	0.0	0.0	2.0	0.0	6.0	0.0	2.0	1.0
199	JC2	C	0.0	0.0	0.0	78.0	9.0	0.0	0.0	0.0	5.0	2.0	3.0	0.0	3.0	0.0
200	JC3	C	0.0	0.0	0.0	94.5	3.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0

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***** MINERAL CONTENTS IN GEOCHEMICAL SAMPLES *****

Ser. No.	Sample No.	Geol. Unit	AU ppm	MG %	GT %	IL %	TR %	AL %	EP %	XE %	MO %	CA %	RU %	PY %	ZI %	TO %
201	JC7	C	0.0	0.0	10.5	62.5	16.5	0.0	0.0	0.0	2.0	0.0	4.0	0.0	1.5	1.0
202	JC10	C	0.0	0.0	24.5	38.0	28.0	0.0	0.0	0.0	2.0	0.0	3.0	0.0	1.5	0.5
203	JC11	C	0.0	0.0	4.5	52.0	38.0	0.0	0.0	0.5	2.0	0.0	1.5	0.0	1.0	0.5
204	JC14	C	0.0	0.0	16.0	39.5	42.0	0.0	0.0	0.0	0.5	0.0	1.0	0.0	0.5	0.5
205	JC15	C	0.0	0.0	0.0	72.5	19.0	0.0	0.0	0.0	5.5	0.0	1.5	0.0	1.0	0.5
206	JC19	C	0.0	0.0	0.0	89.0	6.0	0.0	0.0	0.5	1.5	0.0	1.5	0.0	1.5	0.0
207	JC22	C	0.0	0.0	0.0	91.0	4.0	0.0	0.0	0.0	1.0	2.0	1.0	0.0	1.0	0.0
208	JC31	C	0.0	0.0	0.0	92.5	1.5	0.0	0.0	0.0	4.5	1.0	0.0	0.0	0.5	0.0
209	JC32	C	0.0	0.5	0.0	56.0	5.0	0.0	0.0	0.0	15.5	19.0	1.0	0.0	3.0	0.0
210	JC37	C	0.0	5.0	1.5	11.5	1.5	0.0	0.0	0.0	0.5	55.0	16.5	0.0	2.5	1.5
211	JC47	C	0.0	0.5	0.0	80.5	7.0	0.0	0.0	0.0	0.5	0.0	10.0	0.0	0.5	0.0
212	JC53	C	0.0	0.0	0.0	78.0	15.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.5	0.0
213	JC54	C	0.0	3.0	0.0	47.0	2.0	0.5	0.0	0.0	0.0	0.5	11.5	0.0	1.5	0.0

Table A-6-1 Number of Dulang and Total Weight of Heavy Mineral Concentrate, Area A (1)

No.	Sample No. of Dulang		Total Weight (g)	No.	Sample No. of Dulang		Total Weight (g)	No.	Sample No. of Dulang		Total Weight (g)
	No.	No.			No.	No.			No.	No.	
1	AC001	14	42.47	39	AC039	5	38.05	77	AC077	20	51.96
2	AC002	15	37.98	40	AC040	10	26.91	78	AC078	1	247.77
3	AC003	15	26.95	41	AC041	4	65.66	79	AC079	15	63.02
4	AC004	4	79.72	42	AC042	2	82.03	80	AC080	15	47.53
5	AC005	15	37.32	43	AC043	8	64.22	81	AC081	20	74.76
6	AC006	13	46.65	44	AC044	10	51.44	82	AC082	20	65.21
7	AC007	15	24.10	45	AC045	2	228.69	83	AC083	25	45.33
8	AC008	6	58.59	46	AC046	2	66.42	84	AC084	20	50.02
9	AC009	5	39.07	47	AC047	5	39.37	85	AC085	25	46.17
10	AC010	5	42.07	48	AC048	5	82.06	86	AC086	17	76.59
11	AC011	5	31.47	49	AC049	2	82.29	87	AC087	20	65.20
12	AC012	8	17.52	50	AC050	5	46.41	88	AC088	20	87.18
13	AC013	10	43.10	51	AC051	4	32.91	89	AC089	20	79.59
14	AC014	5	30.98	52	AC052	10	26.04	90	AC090	20	82.59
15	AC015	8	15.87	53	AC053	10	29.36	91	AC091	20	63.66
16	AC016	5	95.81	54	AC054	8	31.40	92	AC092	20	89.65
17	AC017	5	26.87	55	AC055	3	33.99	93	AC093	20	91.05
18	AC018	5	20.63	56	AC056	5	49.68	94	AC094	20	102.11
19	AC019	5	42.37	57	AC057	10	17.91	95	AC095	20	90.41
20	AC020	10	34.25	58	AC058	12	24.34	96	AC096	20	60.12
21	AC021	9	21.59	59	AC059	15	16.04	97	AC097	20	80.60
22	AC022	7	23.56	60	AC060	10	20.15	98	AC098	20	66.17
23	AC023	3	46.18	61	AC061	12	13.91	99	AC099	20	82.45
24	AC024	3	72.70	62	AC062	10	17.90	100	AC100	20	68.25
25	AC025	3	38.14	63	AC063	16	11.42	101	AC101	18	102.32
26	AC026	7	21.15	64	AC064	13	27.27	102	AC102	18	74.04
27	AC027	7	120.20	65	AC065	5	55.54	103	AC103	20	67.92
28	AC028	5	36.24	66	AC066	5	57.67	104	AC104	20	67.20
29	AC029	7	35.38	67	AC067	4	101.36	105	AC105	20	46.35
30	AC030	10	26.89	68	AC068	5	56.87	106	AC106	20	81.48
31	AC031	5	78.64	69	AC069	7	42.38	107	AC107	20	63.07
32	AC032	2	122.41	70	AC070	7	33.55	108	AC108	20	85.82
33	AC033	5	79.72	71	AC071	20	50.81	109	AC109	20	70.86
34	AC034	5	58.64	72	AC072	20	34.18	110	AC110	20	65.65
35	AC035	3	119.40	73	AC073	20	49.39	111	AC111	20	87.79
36	AC036	7	37.25	74	AC074	20	73.15	112	AC112	20	44.94
37	AC037	10	29.15	75	AC075	20	41.97	113	AC113	20	126.43
38	AC038	20	28.93	76	AC076	20	53.00	114	AC114	20	94.48

Table A-6-1 Number of Dulang and Total Weight of Concentrates - Area A (2)

No.	Sample No.		No. of Dulang		Total Weight (g)		Sample No.		No. of Dulang		Total Weight (g)				
	No.	No.	No.	No.	Weight (g)	Weight (g)	No.	No.	No.	No.	Weight (g)	Weight (g)			
115	AC115		20		71.74	153	FC022		3		186.24	191	FC060	10	56.67
116	AC116		15		70.43	154	FC023		3		81.48	192	FC061	5	181.02
117	AC117		25		113.61	155	FC024		2		257.18	193	FC062	10	117.55
118	AC118		15		72.53	156	FC025		2		140.75	194	FC063	10	40.76
119	AC119		18		104.99	157	FC026		5		79.97	195	FC064	5	134.99
120	AC120		17		71.49	158	FC027		10		77.75	196	FC065	10	65.40
121	AC121		20		93.37	159	FC028		10		112.64	197	FC066	10	65.8
122	AC122		18		77.45	160	FC029		10		67.02	198	FC067	10	58.9
123	AC123		20		79.18	161	FC030		15		121.66	199	FC068	10	80.87
124	AC124		20		69.95	162	FC031		10		76.36	200	FC069	9	78.0
125	AC125		20		100.34	163	FC032		10		41.97	201	FC070	12	76.34
126	AC126		20		132.65	164	FC033		5		130.67	202	FC071	10	92.79
127	AC127		20		79.39	165	FC034		5		84.75	203	FC072	10	101.87
128	AC128		20		82.23	166	FC035		10		52.89	204	FC073	15	78.92
129	AC129		20		89.68	167	FC036		10		63.47	205	FC074	9	107.47
130	AC130		20		67.78	168	FC037		5		50.11	206	FC075	5	97.78
131	AC131		20		60.65	169	FC038		5		99.24	207	FC076	15	68.6
132	FC001		2		310.71	170	FC039		10		108.67	208	FC077	5	104.97
133	FC002		10		54.37	171	FC040		10		47.28	209	FC078	10	80.6
134	FC003		6		39.26	172	FC041		10		75.17	210	FC079	10	65.63
135	FC004		10		80.27	173	FC042		10		71.41	211	FC080	6	74.24
136	FC005		10		32.69	174	FC043		15		88.45	212	FC081	10	60.90
137	FC006		10		51.42	175	FC044		15		63.24	213	FC082	10	89.14
138	FC007		10		40.01	176	FC045		10		78.12	214	FC083	10	115.78
139	FC008		10		42.06	177	FC046		10		59.12	215	FC084	10	53.94
140	FC009		20		12.01	178	FC047		5		149.94	216	FC085	10	72.94
141	FC010		20		10.41	179	FC048		10		137.39	217	FC086	10	67.76
142	FC011		16		108.33	180	FC049		10		98.70	218	FC087	20	71.8
143	FC012		5		66.78	181	FC050		10		66.78	219	FC088	16	75.63
144	FC013		3		136.22	182	FC051		10		86.35	220	FC089	7	52.57
145	FC014		8		80.18	183	FC052		10		75.34	221	FC090	10	73.63
146	FC015		10		80.80	184	FC053		10		142.92	222	FC091	5	122.49
147	FC016		8		80.70	185	FC054		5		73.94	223	FC092	5	68.1
148	FC017		10		74.92	186	FC055		5		146.67	224	FC093	12	79.08
149	FC018		10		74.05	187	FC056		5		65.09	225	FC094	12	73.21
150	FC019		3		103.16	188	FC057		5		116.21	226	FC095	10	111.50
151	FC020		3		109.86	189	FC058		10		82.78	227	FC096	10	82.21
152	FC021		3		144.44	190	FC059		10		78.1	228	FC097	10	146.06

Table A-6-1 Number of Dulang and Total Weight of Concentrates - Area A (3)

No.	Sample No.	No. of Dulang		Total Weight (g)	Sample No.	No. of Dulang		Total Weight (g)	Sample No.	No. of Dulang		Total Weight (g)
		No.	Dulang			No.	Dulang			No.	Dulang	
229	FC098	5		113.07	267	FC136	15	74.39	305	FC174	20	122.53
230	FC099	10		111.0	268	FC137	15	88.23	306	FC175	15	127.87
231	FC100	9		87.67	269	FC138	20	47.19	307	FC176	20	115.55
232	FC101	10		95.92	270	FC139	20	66.52	308	FC177	20	74.83
233	FC102	20		76.27	271	FC140	20	75.57	309	FC178	20	83.57
234	FC103	20		91.74	272	FC141	20	76.73	310	FC179	20	85.42
235	FC104	20		78.11	273	FC142	15	69.66	311	FC180	20	98.65
236	FC105	20		70.09	274	FC143	20	80.48	312	FC181	20	74.80
237	FC106	15		74.88	275	FC144	20	71.28	313	FC182	13	108.08
238	FC107	20		65.89	276	FC145	20	66.93	314	FC183	28	88.34
239	FC108	6		132.09	277	FC146	20	34.75	315	FC184	20	62.09
240	FC109	6		88.3	278	FC147	20	98.52	316	FC185	17	54.7
241	FC110	7		86.55	279	FC148	20	79.88	317	FC186	24	74.00
242	FC111	10		88.0	280	FC149	20	139.64	318	FC187	19	75.72
243	FC112	8		88.15	281	FC150	20	95.06	319	FC188	12	99.58
244	FC113	10		86.4	282	FC151	15	106.52	320	FC189	10	88.61
245	FC114	8		112.93	283	FC152	10	66.37	321	FC190	15	51.30
246	FC115	6		48.37	284	FC153	15	62.49	322	FC191	15	95.13
247	FC116	12		68.09	285	FC154	15	64.91	323	FC192	15	102.29
248	FC117	5		85.21	286	FC155	20	57.52	324	FC193	15	98.34
249	FC118	2		102.58	287	FC156	12	81.80	325	FC194	10	88.70
250	FC119	13		83.55	288	FC157	12	55.45	326	FC195	20	109.99
251	FC120	4		151.5	289	FC158	19	77.67	327	FC196	20	69.80
252	FC121	3		138.20	290	FC159	16	71.49	328	FC197	20	69.67
253	FC122	6		93.72	291	FC160	12	67.97	329	FC198	20	98.08
254	FC123	8		88.24	292	FC161	10	117.42	330	FC199	15	73.56
255	FC124	20		66.28	293	FC162	8	123.7	331	FC200	15	90.01
256	FC125	11		71.14	294	FC163	10	82.39	332	FC201	15	89.14
257	FC126	2		118.27	295	FC164	16	73.05	333	FC202	20	85.71
258	FC127	3		93.60	296	FC165	17	90.07	334	FC203	15	112.96
259	FC128	3		164.86	297	FC166	11	105.34	335	FC204	6	69.38
260	FC129	12		90.80	298	FC167	10	78.7	336	FC205	20	99.56
261	FC130	15		59.21	299	FC168	8	19.2	337	FC206	6	63.07
262	FC131	8		100.56	300	FC169	30	105.70	338	FC207	15	98.34
263	FC132	15		73.71	301	FC170	30	130.81	339	FC208	15	130.17
264	FC133	20		64.94	302	FC171	25	110.74	340	FC209	20	97.35
265	FC134	4		145.56	303	FC172	20	128.61	341	FC210	12	106.94
266	FC135	6		108.29	304	FC173	20	138.36	342	FC211	15	101.79

Table A-6-1 Number of Dulang and Total Weight of Concentrates - Area A (4)

No.	Sample No.	No. of Dulang		Total Weight (g)	Sample No.	No. of Dulang		Total Weight (g)	Sample No.	No. of Dulang		Total Weight (g)
		No.	No.			No.	No.			No.	No.	
343	FC212	20		117.57	381	FC250	15	419	FC288	12		105.96
344	FC213	18		89.85	382	FC251	15	420	FC289	15		66.09
345	FC214	16		94.03	383	FC252	15	421	FC290	12		81.40
346	FC215	5		73.3	384	FC253	20	422	FC291	5		163.17
347	FC216	20		95.93	385	FC254	15	423	FC292	10		103.45
348	FC217	20		112.20	386	FC255	16	424	FC293	15		73.84
349	FC218	20		112.90	387	FC256	15	425	FC294	6		108.46
350	FC219	15		124.62	388	FC257	10	426	FC295	10		108.42
351	FC220	20		82.27	389	FC258	10	427	FC296	5		82.28
352	FC221	20		102.27	390	FC259	15	428	FC297	10		91.61
353	FC222	15		94.48	391	FC260	20	429	FC298	10		113.97
354	FC223	12		99.78	392	FC261	15	430	FC299	10		80.27
355	FC224	15		98.37	393	FC262	14	431	FC300	15		64.43
356	FC225	16		103.07	394	FC263	12	432	FC301	12		89.97
357	FC226	20		97.50	395	FC264	11	433	FC302	15		87.78
358	FC227	15		92.03	396	FC265	10	434	FC303	10		77.83
359	FC228	13		94.40	397	FC266	15	435	FC304	10		94.74
360	FC229	15		78.75	398	FC267	15	436	FC305	12		75.89
361	FC230	12		107.97	399	FC268	25	437	FC400	1		48.35
362	FC231	17		98.10	400	FC269	25	438	SC001	20		21.01
363	FC232	16		73.65	401	FC270	15	439	SC002	2		75.51
364	FC233	20		61.35	402	FC271	15	440	SC003	10		37.64
365	FC234	20		48.71	403	FC272	20	441	SC004	6		64.84
366	FC235	15		104.90	404	FC273	20	442	SC005	4		56.87
367	FC236	15		85.33	405	FC274	15	443	SC006	4		54.12
368	FC237	15		105.09	406	FC275	15	444	SC007	16		52.81
369	FC238	20		81.18	407	FC276	16	445	SC008	20		28.40
370	FC239	20		90.45	408	FC277	10	446	SC009	6		27.49
371	FC240	14		60.99	409	FC278	15	447	SC010	4		38.90
372	FC241	15		56.80	410	FC279	6	448	SC011	14		36.63
373	FC242	10		76.65	411	FC280	15	449	SC012	4		55.90
374	FC243	15		61.20	412	FC281	15	450	SC013	10		69.10
375	FC244	17		72.51	413	FC282	15	451	SC014	4		87.20
376	FC245	8		93.63	414	FC283	15	452	SC015	3		79.32
377	FC246	15		88.02	415	FC284	20	453	SC016	16		47.20
378	FC247	15		72.62	416	FC285	15	454	SC017	20		30.82
379	FC248	15		71.09	417	FC286	15	455	SC018	4		92.56
380	FC249	15		63.96	418	FC287	20	456	SC019	2		71.50

Table A-6-1 Number of Dulang and Total Weight of Concentrates - Area A (5)

No.	Sample No.		No. of Dulang		Total Weight (g)		Sample No.		No. of Dulang		Total Weight (g)		Sample No.		No. of Dulang		Total Weight (g)	
	No.	No.	No.	No.	Weight (g)	Weight (g)	No.	No.	No.	No.	Weight (g)	Weight (g)	No.	No.	No.	No.	Weight (g)	Weight (g)
457	SC020		10		95.20	495	SC058		2		232.94	533	SC096		20		40.66	
458	SC021		6		30.57	496	SC059		1		83.67	534	SC097		20		57.24	
459	SC022		6		124.97	497	SC060		2		107.24	535	SC098		10		44.76	
460	SC023		12		42.45	498	SC061		10		55.89	536	SC099		20		40.56	
461	SC024		8		52.68	499	SC062		4		96.76	537	SC100		20		42.41	
462	SC025		8		33.48	500	SC063		6		45.23	538	SC101		20		42.31	
463	SC026		12		37.87	501	SC064		3		63.40	539	SC102		20		34.08	
464	SC027		8		54.22	502	SC065		2		120.36	540	SC103		20		31.90	
465	SC028		6		80.42	503	SC066		4		41.32	541	SC104		20		35.21	
466	SC029		3		80.91	504	SC067		6		76.86	542	SC105		20		65.53	
467	SC030		16		46.90	505	SC068		10		33.03	543	SC106		20		31.58	
468	SC031		6		56.81	506	SC069		6		45.98	544	SC107		20		50.18	
469	SC032		8		69.59	507	SC070		10		35.45	545	SC108		20		32.23	
470	SC033		8		64.65	508	SC071		8		39.22	546	SC109		20		33.49	
471	SC034		10		82.51	509	SC072		16		58.33	547	SC110		20		46.57	
472	SC035		12		34.31	510	SC073		20		37.42	548	SC111		20		35.39	
473	SC036		9		53.04	511	SC074		20		80.26	549	SC112		20		45.95	
474	SC037		10		24.29	512	SC075		4		76.42	550	SC113		20		56.44	
475	SC038		2		108.35	513	SC076		20		75.05	551	SC114		20		49.42	
476	SC039		1		88.02	514	SC077		20		50.96	552	SC115		20		59.32	
477	SC040		9		58.95	515	SC078		20		35.48	553	SC116		20		39.73	
478	SC041		10		78.82	516	SC079		20		36.11	554	SC117		20		32.87	
479	SC042		4		65.76	517	SC080		20		51.52	555	SC118		20		33.82	
480	SC043		10		49.68	518	SC081		10		61.01	556	SC119		20		23.65	
481	SC044		10		53.89	519	SC082		20		28.20	557	SC120		20		39.46	
482	SC045		10		71.30	520	SC083		20		61.55	558	SC121		20		37.23	
483	SC046		3		103.84	521	SC084		20		74.73	559	SC122		20		31.66	
484	SC047		8		80.45	522	SC085		15		71.47	560	SC123		20		40.31	
485	SC048		2		75.88	523	SC086		20		56.95	561	SC124		20		40.98	
486	SC049		10		72.97	524	SC087		20		56.95	562	SC125		20		37.95	
487	SC050		4		37.11	525	SC088		20		39.84	563	SC126		20		39.73	
488	SC051		8		42.15	526	SC089		20		62.38	564	SC127		20		30.59	
489	SC052		2		80.28	527	SC090		20		38.19	565	SC128		20		44.32	
490	SC053		10		59.89	528	SC091		20		56.39	566	SC129		20		39.82	
491	SC054		2		148.94	529	SC092		20		56.16	567	SC130		20		32.69	
492	SC055		10		53.15	530	SC093		15		60.67	568	SC131		20		38.26	
493	SC056		2		62.56	531	SC094		20		55.11	569	SC132		5		67.35	
494	SC057		2		78.40	532	SC095		10		53.12	570	SC133		5		44.62	

Table A-6-1 Number of Dulang and Total Weight of Concentrates - Area A (6)

No.	Sample No.	No. of Du lang	Total Weight (g)	Sample No.	No. of Du lang	Total Weight (g)	No.	Sample No.	No. of Du lang	Total Weight (g)
571	SC134	2	117.47	TC004	25	7.94	647	TC042	20	84.33
572	SC135	2	46.30	TC005	25	8.90	648	TC043	2	188.42
573	SC136	2	333.75	TC006	25	17.16	649	TC044	2	107.24
574	SC137	20	55.19	TC007	2	145.08	650	TC045	5	72.76
575	SC138	20	34.49	TC008	2	74.20	651	TC046	30	76.46
576	SC139	20	33.05	TC009	2	230.67	652	TC047	16	42.19
577	SC140	5	53.48	TC010	4	117.54	653	TC048	8	58.98
578	SC141	2	65.07	TC011	2	41.20	654	TC049	14	39.82
579	SC142	1	98.57	TC012	3	27.97	655	TC050	2	192.76
580	SC143	7	39.49	TC013	2	70.30	656	TC051	1	246.38
581	SC144	13	43.79	TC014	3	121.73	657	TC052	5	164.35
582	SC145	20	32.91	TC015	5	127.10	658	TC053	2	231.61
583	SC146	20	33.32	TC016	1	187.80	659	TC054	5	156.69
584	SC147	7	63.66	TC017	2	95.69	660	TC055	10	68.05
585	SC148	10	62.51	TC018	3	40.03	661	TC056	6	87.64
586	SC149	7	63.66	TC019	5	97.27	662	TC057	6	35.19
587	SC150	20	47.21	TC020	5	300.31	663	TC058	6	153.58
588	SC151	20	35.35	TC021	5	219.48	664	TC059	7	170.81
589	SC152	20	41.11	TC022	5	106.68	665	TC060	2	444.31
590	SC153	15	31.18	TC023	20	8.02	666	TC061	2	132.31
591	SC154	20	31.99	TC024	20	24.31	667	TC062	8	97.48
592	SC155	20	41.91	TC025	5	269.17	668	TC063	6	101.83
593	SC156	20	33.34	TC026	20	11.42	669	TC064	5	163.04
594	SC157	20	34.27	TC027	40	15.95	670	TC065	5	173.20
595	SC158	1	245.53	TC028	30	13.62	671	TC066	3	139.29
596	SC159	2	46.36	TC029	6	61.44	672	TC067	3	122.98
597	SC160	1	168.60	TC030	17	20.66	673	TC068	10	59.77
598	SC161	1	95.68	TC031	5	37.71	674	TC069	24	12.72
599	SC162	20	45.55	TC032	2	132.30	675	TC070	40	14.15
600	SC163	20	61.18	TC033	12	23.72	676	TC071	30	26.63
601	SC164	20	47.37	TC034	80	10.52	677	TC072	50	22.04
602	SC165	20	56.21	TC035	50	15.9	678	TC073	30	12.45
603	SC166	20	48.63	TC036	40	14.05	679	TC074	5	88.65
604	SC167	20	62.81	TC037	5	322.87	680	TC075	5	93.42
605	SC168	20	43.95	TC038	5	372.05	681	TC076	20	15.17
606	TC001	20	16.40	TC039	10	70.40	682	TC077	20	17.07
607	TC002	5	207.05	TC040	10	86.87	683	TC078	30	19.24
608	TC003	20	41.62	TC041	5	99.44	684	TC079	20	67.11

Table A-6-1 Number of Dulang and Total Weight of Concentrates - Area A (7)

No.	No. of Dulang		Total Weight (g)	No. of Dulang		Total Weight (g)	Sample No.		No. of Dulang	Total Weight (g)	
	Sample No.	No.		Sample No.	No.		No.	No.			
685	TC080	30	18.06	723	TC118	6	86.50	761	TC156	50	9.98
686	TC081	30	7.85	724	TC119	2	333.46	762	TC157	50	14.65
687	TC082	60	13.97	725	TC120	4	141.67	763	TC158	40	20.56
688	TC083	20	25.39	726	TC121	6	37.32	764	TC159	40	7.59
689	TC084	40	15.26	727	TC122	10	31.21	765	TC160	60	14.92
690	TC085	50	8.36	728	TC123	10	20.82	766	TC161	60	4.87
691	TC086	60	6.93	729	TC124	10	21.58	767	TC162	60	9.63
692	TC087	60	12.36	730	TC125	10	16.40	768	TC163	50	26.54
693	TC088	20	42.08	731	TC126	20	24.34	769	TC164	20	100.50
694	TC089	20	23.96	732	TC127	10	18.59	770	TC165	40	12.14
695	TC090	20	5.92	733	TC128	6	59.68	771	TC166	20	24.42
696	TC091	20	70.48	734	TC129	4	88.28	772	TC167	40	14.82
697	TC092	60	14.16	735	TC130	30	13.34	773	TC168	40	6.38
698	TC093	80	14.68	736	TC131	30	15.79	774	TC169	60	5.03
699	TC094	40	27.84	737	TC132	4	121.65	775	TC170	60	9.81
700	TC095	50	24.31	738	TC133	8	37.79	776	TC171	30	7.61
701	TC096	20	90.56	739	TC134	10	37.48	777	TC172	60	3.57
702	TC097	40	19.74	740	TC135	6	67.86	778	TC173	20	19.81
703	TC098	20	79.01	741	TC136	6	70.29	779	TC174	40	29.34
704	TC099	40	23.46	742	TC137	10	24.29	780	TC175	40	12.75
705	TC100	20	16.24	743	TC138	20	29.96	781	TC176	60	10.02
706	TC101	80	16.01	744	TC139	10	81.75	782	TC177	20	57.29
707	TC102	50	14.36	745	TC140	10	96.16	783	TC178	20	11.65
708	TC103	40	7.24	746	TC141	10	136.32	784	TC179	60	7.27
709	TC104	40	13.43	747	TC142	50	11.80	785	TC180	20	15.35
710	TC105	40	17.89	748	TC143	10	48.15	786	TC181	40	23.66
711	TC106	40	19.56	749	TC144	10	22.71	787	TC182	60	12.97
712	TC107	80	16.64	750	TC145	10	35.89	788	TC183	30	22.24
713	TC108	40	16.96	751	TC146	20	21.34	789	TC184	40	8.85
714	TC109	40	11.83	752	TC147	4	43.43	790	TC185	50	7.10
715	TC110	50	16.02	753	TC148	5	60.48	791	TC186	30	5.85
716	TC111	50	52.19	754	TC149	20	81.52	792	TC187	30	7.73
717	TC112	80	7.78	755	TC150	60	22.40	793	TC188	10	21.41
718	TC113	10	31.65	756	TC151	50	26.89	794	TC189	15	10.13
719	TC114	10	21.28	757	TC152	50	15.65	795	TC190	15	55.29
720	TC115	10	13.97	758	TC153	20	25.45	796	TC191	7	221.73
721	TC116	10	30.53	759	TC154	60	14.86	797	TC192	4	34.56
722	TC117	10	50.35	760	TC155	30	18.62	798	TC193	6	17.02

Table A-6-1 Number of Dulang and Total Weight of Concentrates - Area A (8)

No.	Sample No.		No. of Dulang		Total Weight (g)	No.	Sample No.		No. of Dulang		Total Weight (g)	Sample No.		No. of Dulang		Total Weight (g)
	No.	No.	Dulang	No.			No.	No.	No.	Dulang		No.	No.	Dulang	No.	
799	TC194		6		29.98	837	TC232		4		144.91					
800	TC195		6		32.01	838	TC233		4		47.03					
801	TC196		6		26.41	839	TC234		30		5.25					
802	TC197		20		28.24	840	TC235		4		85.61					
803	TC198		12		27.33	841	TC236		6		26.04					
804	TC199		15		10.22	842	TC237		6		22.76					
805	TC200		20		9.65	843	TC238		6		82.34					
806	TC201		6		73.66	844	TC239		6		23.63					
807	TC202		6		67.53	845	TC240		50		18.42					
808	TC203		20		26.78	846	TC241		50		10.57					
809	TC204		4		76.01	847	TC242		50		19.03					
810	TC205		10		73.01	848	TC243		50		9.28					
811	TC206		10		114.73	849	TC244		20		90.22					
812	TC207		6		41.53	850	TC245		50		3.23					
813	TC208		6		71.65	851	TC246		20		57.32					
814	TC209		10		52.67	852	TC247		30		12.96					
815	TC210		10		42.27											
816	TC211		10		24.24											
817	TC212		10		28.96											
818	TC213		50		6.42											
819	TC214		60		4.74											
820	TC215		60		22.39											
821	TC216		20		61.83											
822	TC217		60		17.61											
823	TC218		20		26.71											
824	TC219		60		10.49											
825	TC220		30		13.53											
826	TC221		50		17.63											
827	TC222		10		23.43											
828	TC223		30		8.55											
829	TC224		10		53.80											
830	TC225		14		51.59											
831	TC226		30		37.50											
832	TC227		16		31.45											
833	TC228		20		15.10											
834	TC229		40		22.05											
835	TC230		10		18.67											
836	TC231		4		56.20											

Table A-6-2 Number of Dulang and Total Weight of Heavy Mineral Concentrate, Area C (I)

No.	Sample No.		No. of Dulang		Total Weight (g)		Sample No.		No. of Dulang		Total Weight (g)				
	No.	No.	No.	No.	Weight (g)	Weight (g)	No.	No.	No.	No.	Weight (g)	Weight (g)			
1	JC001		10		66.4	39	JC039		20		31.4	77	HC022	15	36.1
2	JC002		3		107.5	40	JC040		20		22.2	78	HC023	10	63.1
3	JC003		3		167.3	41	JC041		15		40.8	79	HC024	13	58.2
4	JC004		3		64.2	42	JC042		15		28.6	80	HC025	5	51.2
5	JC005		5		172.5	43	JC043		15		45.61	81	HC026	6	62.3
6	JC006		10		45.0	44	JC044		15		86.8	82	HC027	10	50.4
7	JC007		5		43.0	45	JC045		15		55.0	83	HC028	6	54.2
8	JC008		10		81.7	46	JC046		30		66.8	84	HC029	3	93.9
9	JC009		2		128.8	47	JC047		13		54.0	85	HC030	5	44.2
10	JC010		2		61.6	48	JC048		10		40.0	86	HC031	5	61.8
11	JC011		4		88.4	49	JC049		2		79.6	87	HC032	2	62.4
12	JC012		3		56.3	50	JC050		4		58.9	88	HC033	15	45.5
13	JC013		4		53.6	51	JC051		5		64.8	89	HC034	3	51.7
14	JC014		5		63.4	52	JC052		5		58.5	90	HC035	5	63.8
15	JC015		5		44.1	53	JC053		4		64.0	91	HC036	6	61.1
16	JC016		4		49.0	54	JC054		15		46.4	92	HC037	1	75.1
17	JC017		5		56.8	55	JC055		25		36.5	93	HC038	10	55.6
18	JC018		4		68.6	56	HC001		10		51.7	94	HC039	12	42.4
19	JC019		4		95.1	57	HC002		10		45.0	95	HC040	12	58.1
20	JC020		5		58.6	58	HC003		10		75.5	96	HC041	10	74.3
21	JC021		15		60.8	59	HC004		30		30.0	97	HC042	8	61.7
22	JC022		3		157.7	60	HC005		10		36.5	98	HC043	2	60.8
23	JC023		3		63.1	61	HC006		10		56.1	99	HC044	6	44.6
24	JC024		3		135.9	62	HC007		15		39.5	100	HC045	8	45.8
25	JC025		10		32.5	63	HC008		5		66.0	101	HC046	4	53.4
26	JC026		10		53.8	64	HC009		15		44.6	102	HC047	4	38.6
27	JC027		5		52.0	65	HC010		15		34.2	103	HC048	6	66.3
28	JC028		10		41.6	66	HC011		10		51.6	104	HC049	2	55.4
29	JC029		8		76.2	67	HC012		10		89.2	105	HC050	6	44.8
30	JC030		5		70.4	68	HC013		6		45.4	106	HC051	4	59.9
31	JC031		2		128.0	69	HC014		6		67.1	107	HC052	5	91.2
32	JC032		8		39.7	70	HC015		4		50.4	108	HC053	10	57.1
33	JC033		10		48.6	71	HC016		10		40.9	109	HC054	11	46.0
34	JC034		8		36.5	72	HC017		20		39.1	110	HC055	6	51.9
35	JC035		2		85.3	73	HC018		10		63.7	111	HC056	4	70.1
36	JC036		5		52.9	74	HC019		5		77.1	112	HC057	2	83.6
37	JC037		20		48.2	75	HC020		3		78.0	113	HC058	2	44.5
38	JC038		20		53.0	76	HC021		15		37.7	114	HC059	5	45.1

Table A-6-2 Number of Dulang and Total Weight of Concentrates - Area C (2)

No.	Sample No.	No. of Dulang		Total Weight (g)	Sample No.		No. of Dulang		Total Weight (g)
		Dulang			Dulang				
115	HC060	8		54.3	153	HC098	15		42.4
116	HC061	8		36.0	154	HC099	15		33.31
117	HC062	30		56.0	155	HC100	14		67.2
118	HC063	15		48.4					
119	HC064	30		41.6					
120	HC065	10		47.5					
121	HC066	20		51.6					
122	HC067	15		57.5					
123	HC068	7		51.7					
124	HC069	12		61.8					
125	HC070	7		54.6					
126	HC071	6		65.4					
127	HC072	10		62.8					
128	HC073	20		47.7					
129	HC074	25		47.6					
130	HC075	10		55.3					
131	HC076	10		19.8					
132	HC077	20		24.3					
133	HC078	6		62.9					
134	HC079	30		74.7					
135	HC080	6		73.5					
136	HC081	10		47.5					
137	HC082	4		47.1					
138	HC083	20		53.4					
139	HC084	15		65.0					
140	HC085	20		60.1					
141	HC086	20		27.4					
142	HC087	15		40.7					
143	HC088	7		50.1					
144	HC089	10		39.6					
145	HC090	20		38.3					
146	HC091	20		44.9					
147	HC092	7		45.7					
148	HC093	30		48.2					
149	HC094	15		60.2					
150	HC095	15		37.2					
151	HC096	20		27.1					
152	HC097	20		42.5					