

4-2 地化学探査結果

4-2-1 地化学探査解析結果

(A) 岩石

岩石試料50個の分析結果は巻末の Table A-9 に、又岩石ごとの平均含有量及び標準偏差を Table II-4-1 に示す。

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

この表から明らかなように、各成分の含有量は花崗岩と千枚岩で、ほとんど差異は認められないので、C地区においても重鉍物試料、河川堆積物試料とも岩石差を無視して統計処理を行った。

(B) 重鉍物

(a) 半定量重鉍物鑑定

C地区から選別した46個の重鉍物について顕微鏡鑑定を行った。識別された重鉍物は、A地区と同様、金、イルメナイト、電気石、モナズ石、錫石、ルチル、ジルコン、トパーズ、ゼノタイムがあり、その分布状況を Plate 5-2 に示した。この図から次のことが明らかである。

1. Ringat 川本流の最上流の重鉍物は、イルメナイト、電気石、モナズ石で特徴づけられる。
2. 錫石は、Ringat 川の支流である Jopal 川の流域及び花崗岩類と片岩類の境界付近において、やや多量に認められる。
3. パンニング時に肉眼で識別できるほど大きな金粒は、1個所で発見されただけであった。

(b) 定量分析

1) 単成分分析

各成分ごとの平均値、最小値、最大値を Table II-4-2(1)、各成分間の相関係数を Table II-4-2(2)に示す。

Au

Auの平均含有量は $0.215 \times 10^{-6} \text{g/dulang}$ ($0.045 \times 10^{-3} \text{g/m}^3$)、しきい値 $0.47 \times 10^{-6} \text{g/dulang}$ ($0.10 \times 10^{-3} \text{g/m}^3$)、最大値 $88.88 \times 10^{-6} \text{g/dulang}$ ($1.9 \times 10^{-3} \text{g/m}^3$)を示す。このしきい値以上を異常値と考えると全体の23%がそれに該当するが、更に高異常を浮き出たせるため、後背値母集団のX+3Sをしきい値 ($1.10 \times 10^{-6} \text{g/dulang} = 0.234 \times 10^{-3} \text{g/m}^3$)とすれば、高異常値の個数は全体の11%に減少し、その分布は Fig. II-4-3(1)のとおりである。

Auの高異常は Ringat 川下流の東側の支流に密集している(範囲: $2 \text{ km} \times 7 \text{ km}$)。地質は堆積岩から成り、Main Rang 花崗岩の境界から1~2 km 離れている。半定量重鉍物鑑定では金粒は1個所だけで、外に識別できなかったので、この地区の金粒は、以前から伝えられるように、微粒と考えられる。異常値は、本流の上流及び支流の Jopal 川の上流の合計5個所においても捕捉されたが、いずれも平面的広がりを示さない。

Sn

Snの平均値は、 $35.2 \times 10^{-3} \text{g/dulang}$ (7.4g/m^3)、しきい値 $660 \times 10^{-3} \text{g/dulang}$ (140g/m^3)、最大値 $1,041 \times 10^{-3} \text{g/dulang}$ (221g/m^3)である。しきい値以上の異常値は、Jopal 川の上流及び Ringat 川との合流点付近に現われている。Au異常が得られた Ringat 川下流の東側にも、中程度の値 ($274 \times 10^{-3} \text{g/dulang}$ (58g/m^3))を示すものが多く、鉍脈型(?)の Au-Sn 鉍化作用に起因するものと考えられる。

W

Wの平均値は $0.564 \times 10^{-3} \text{g/dulang}$ (0.12g/m^3), しきい値 $5 \times 10^{-3} \text{g/dulang}$ (1.06g/m^3), 最大値 $37.7 \times 10^{-3} \text{g/dulang}$ (8.02g/m^3)である。しきい値以上の異常値は Ringat 川本流の上流に分布し, 他の支流にはほとんど認められない。Wの異常値と Snの異常値の分布は全く異なっており, 両者の相関係数0.471でも示されるように, 密接な関係はない。ちなみに, A地区の相関係数は0.687で, 既述のように, Sn, Wの異常値の分布はより良い対応を示している。

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

(1) Mean, Minimum and Maximum Values ($\times 10^{-3}$ 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	

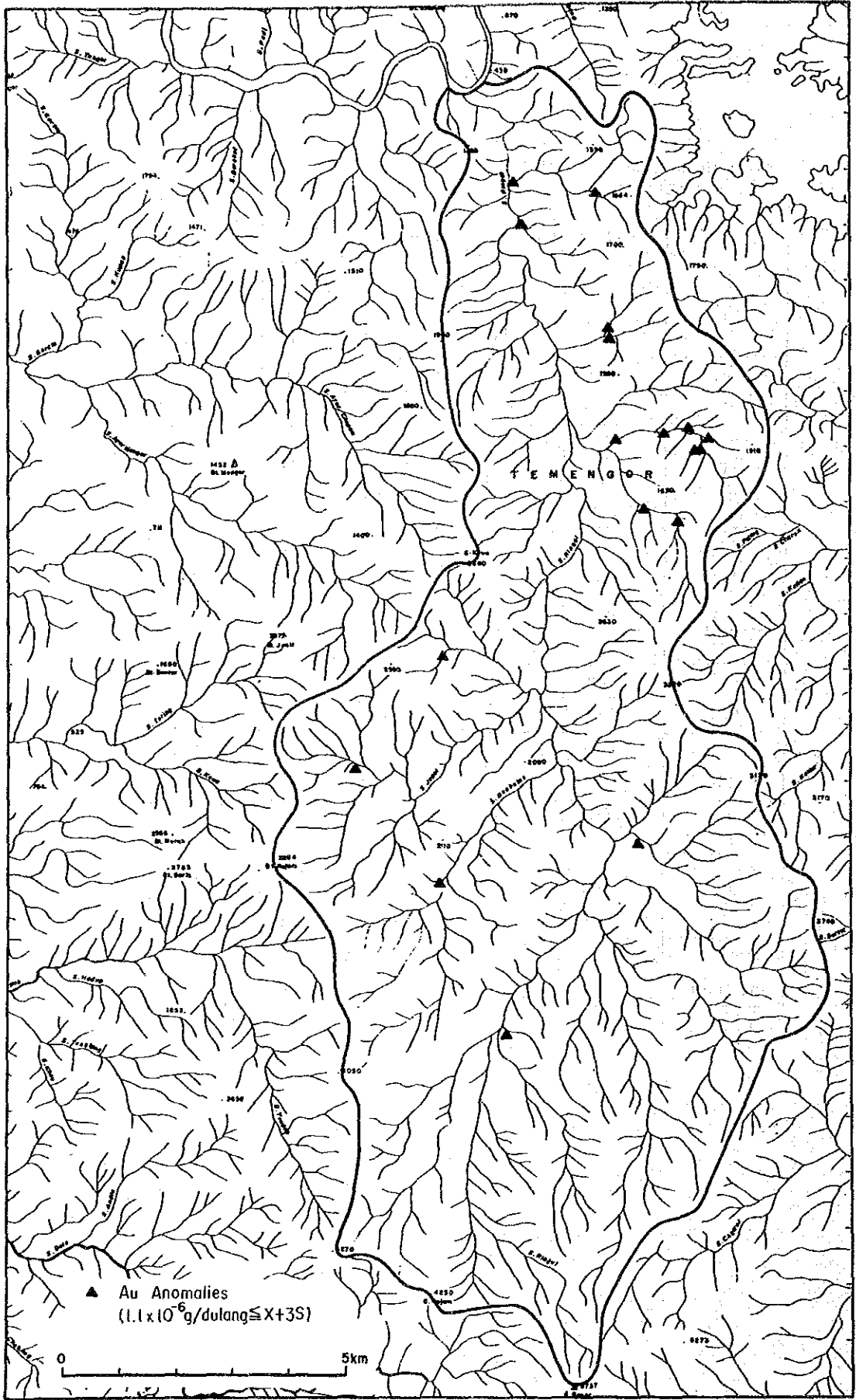


Fig. II-4-3 (1) Geochemical Anomaly Map of Au in Heavy Mineral Concentrate

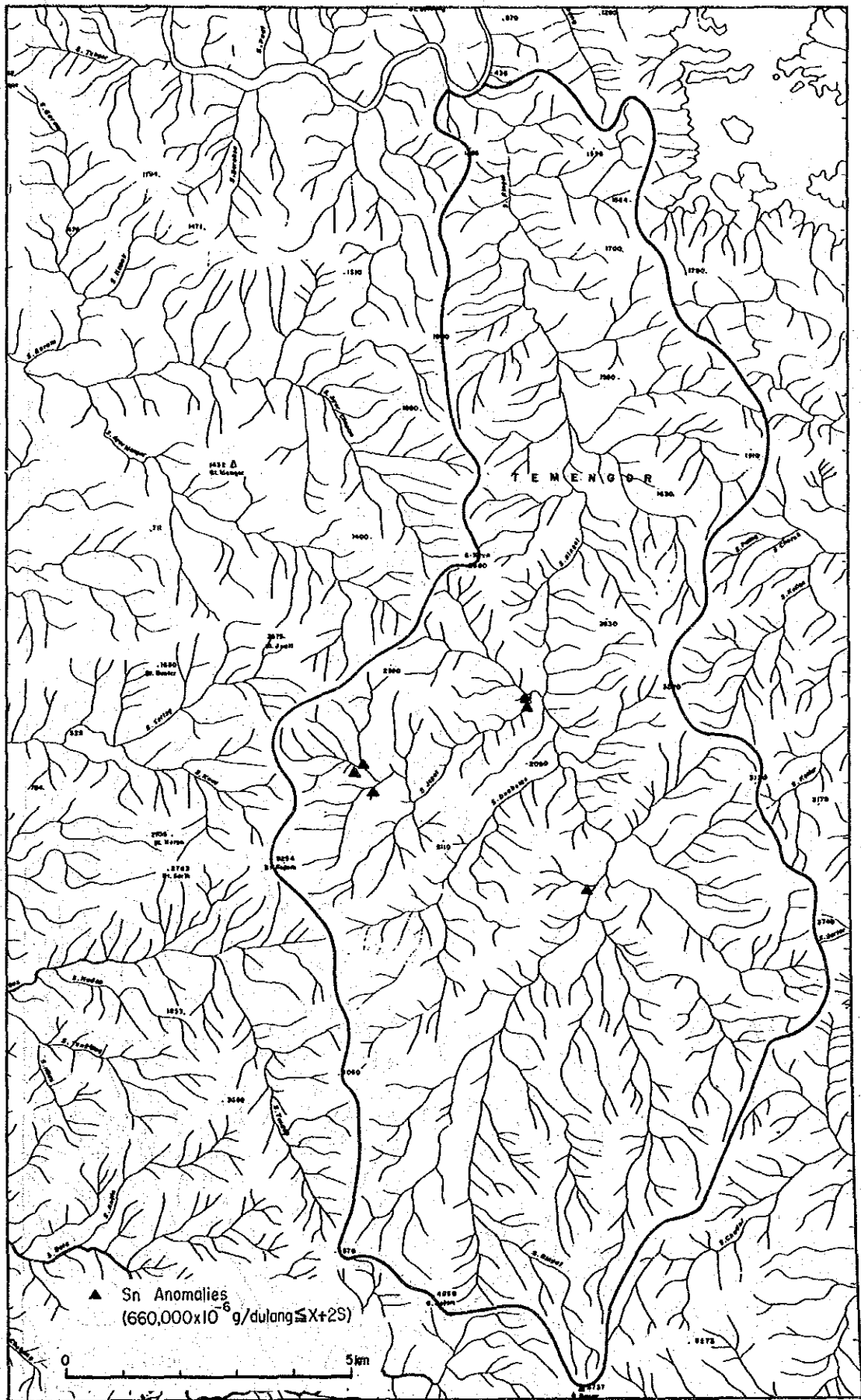


Fig. II-4-3 (2) Geochemical Anomaly Map of Sn in Heavy Mineral Concentrate

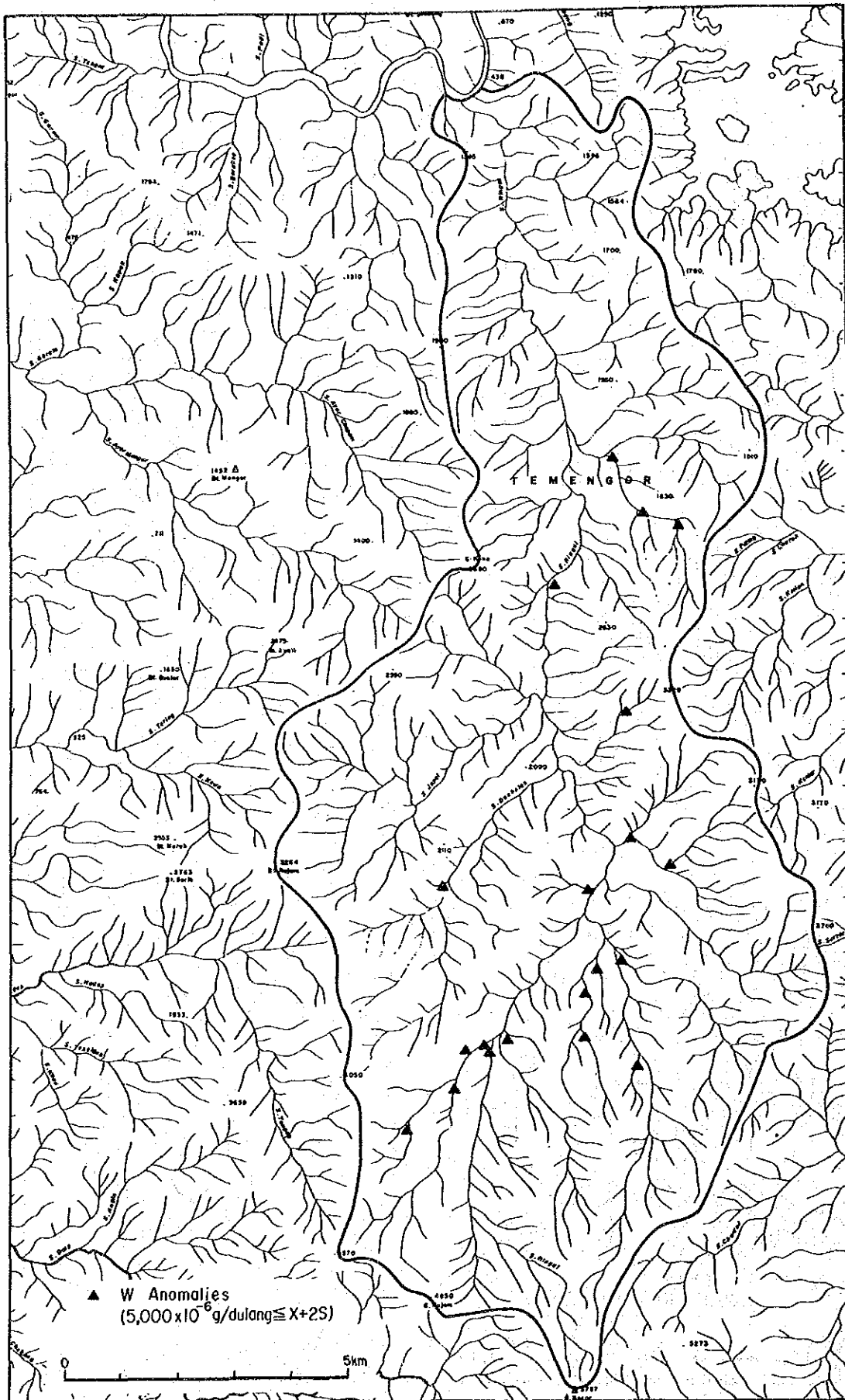


Fig. II-4-3 (3) Geochemical Anomaly Map of W in Heavy Mineral Concentrate

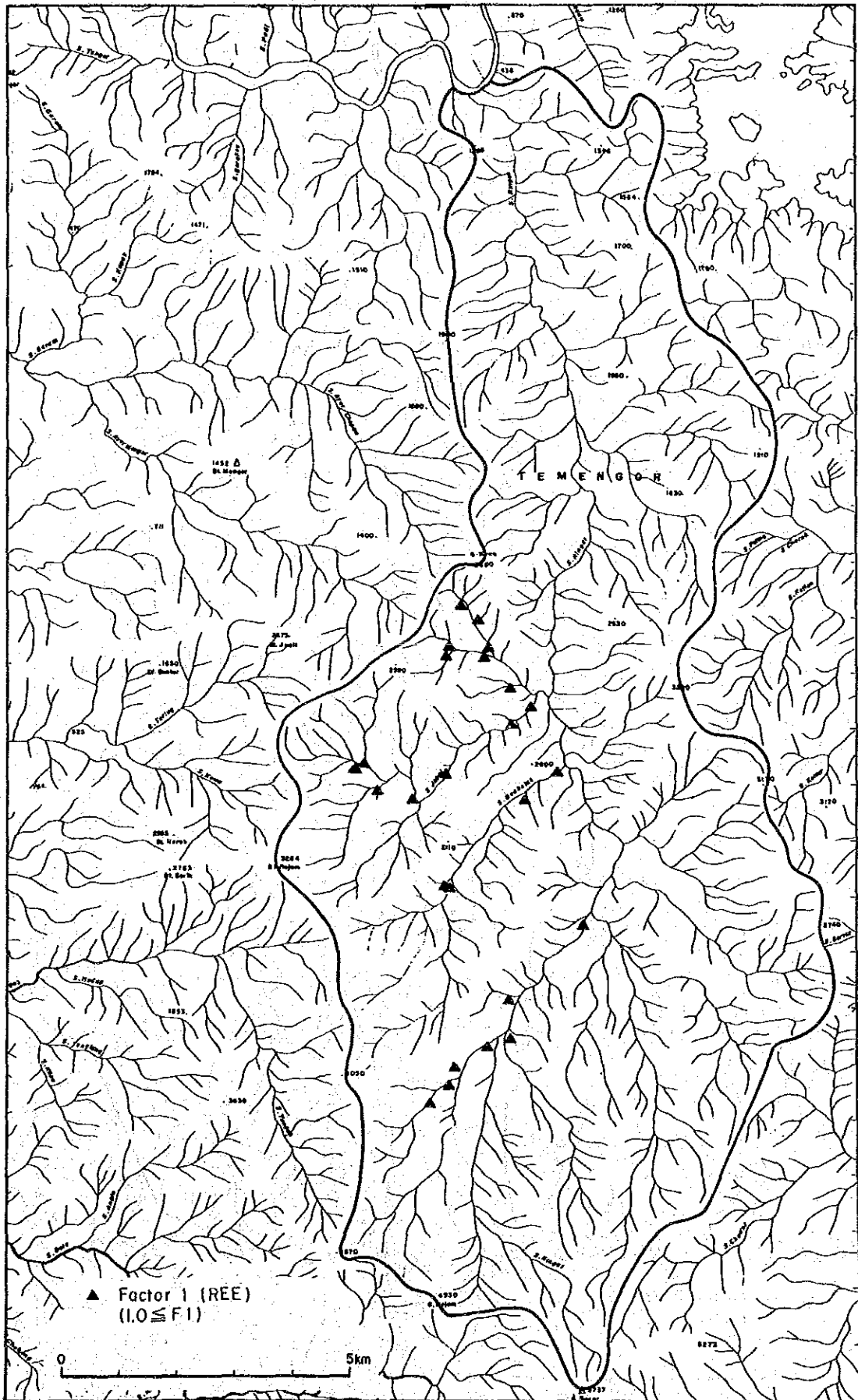


Fig. II-4-4 (1) Factor Analysis Map of Factor 1 in Heavy Mineral Concentrate

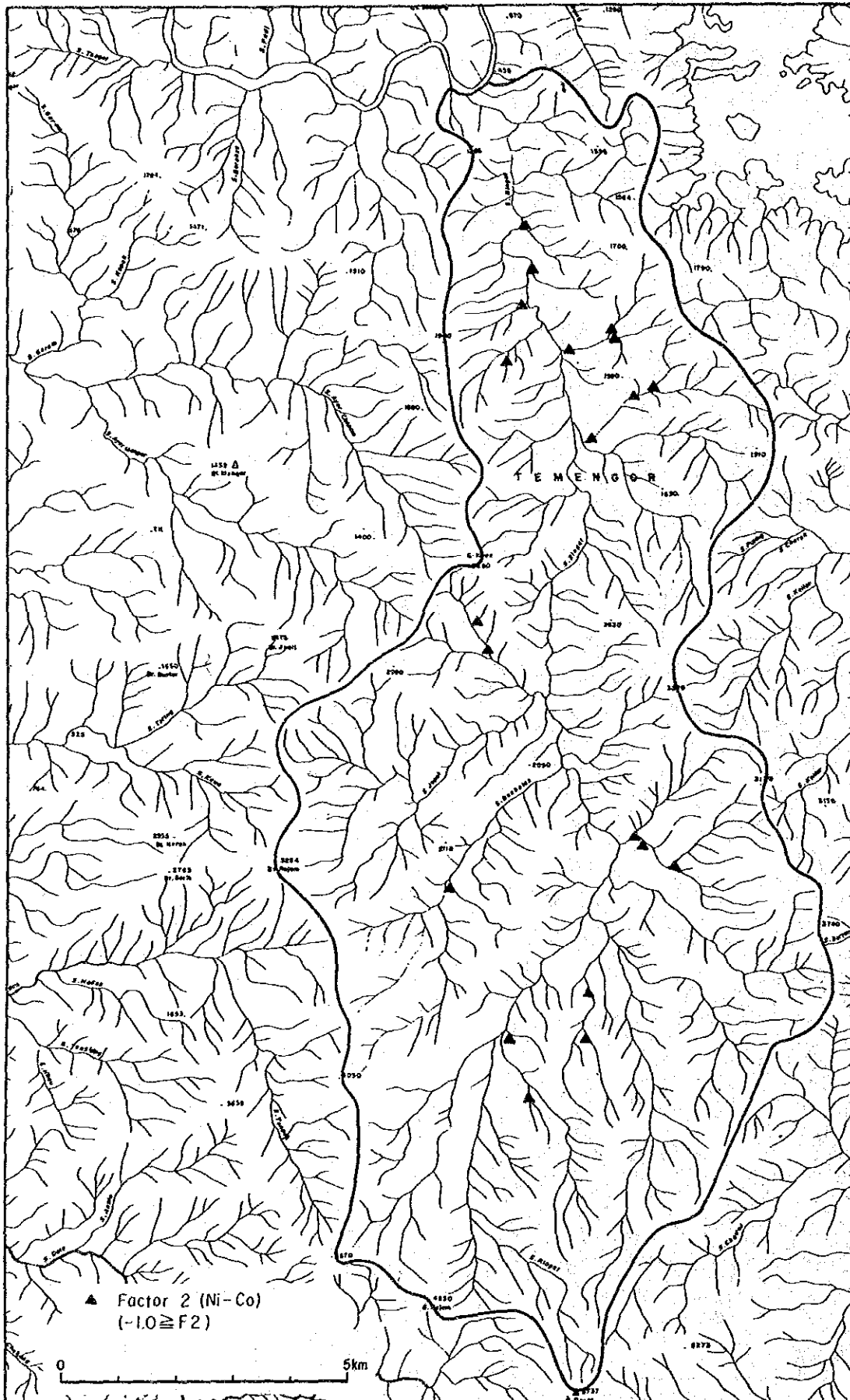


Fig. II-4-4 (2)

Factor Analysis Map of Factor 2 in Heavy Mineral Concentrate

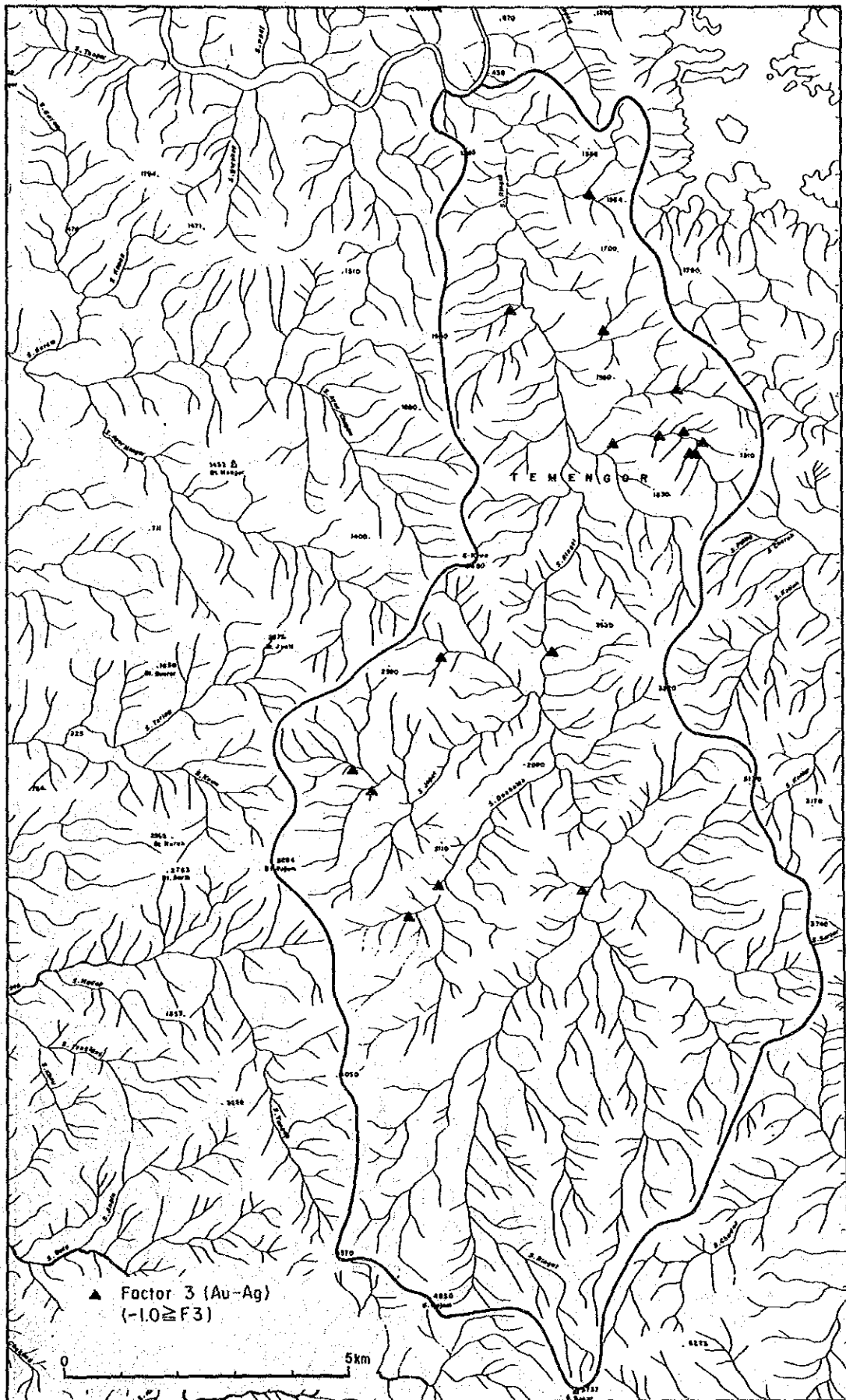


Fig. II-4-4(3) Factor Analysis Map of Factor 3 in Heavy Mineral Concentrate

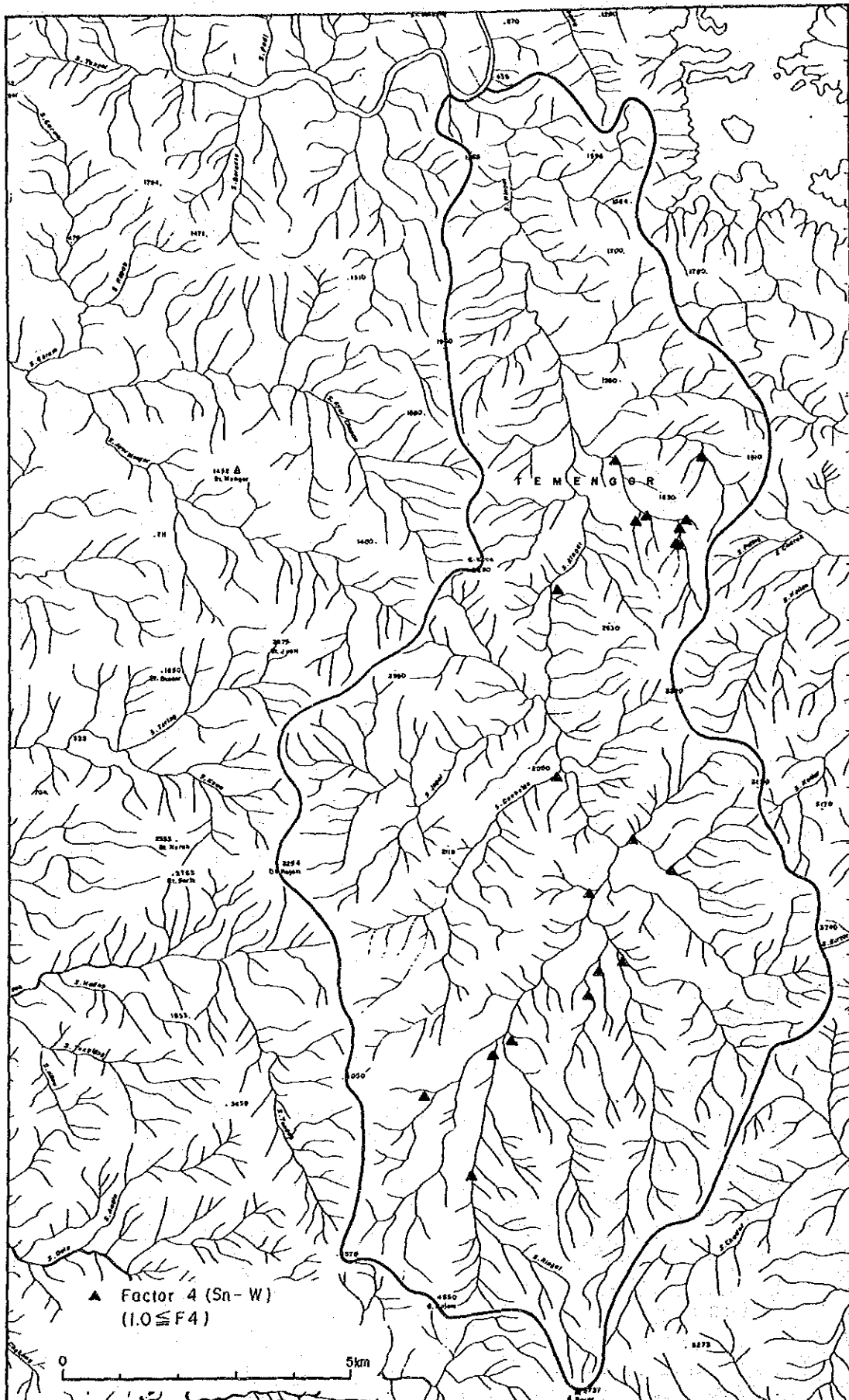


Fig. II-4-4 (4) Factor Analysis Map of Factor 4 in Heavy Mineral Concentrate

2) 多変量解析

因子分析を行った結果、第1、2、3の因子が抽出された。因子分析による因子負荷量、共通性、因子寄与率を Table II-4-2(3)に示す。ここでは各因子の得点が1.0以上の分布を検討した。

第1因子 (レアアース) (Fig. II-4-4(1)参照)

第1因子は因子負荷率表で明らかなようにレアアースに関する因子であり、この因子の高得点は、Ringat 川本流の上流及び支流の Duabelas 川及び Jopal 川流域に集中している。この地区には半定量重鉱物鑑定により、モナズ石がやや多量 (50~100g/m³) 認められているので、この影響によると考えられる。

第2因子 (Ni-Co) (Fig. II-4-4(2)参照)

高得点は、Ringat 川本流の上流及び下流に、比較的よいまとまりを示す。Ni-Co は通常塩基性火成岩類に多く含有されるので後者は片岩帯中に分布し、塩基性岩類のはさみによると考えたいが、今回の調査ではその存在を確認できなかった。前者は Main Range 花崗岩体中であって、半定量鑑定でも Ni-Co を含む鉱物が認められていないので、塩基性岩類のゼノリスに由る可能性がある。

第3因子 (Au-Ag) (Fig. II-4-4(3)参照)

第3因子は、支流の Duabelas 川及び Jopal 川上流の花崗岩体中及び Ringat 川下流東岸の片岩中に集中し、単成分解析図の Au 異常値の分布と酷似した分布を示している。

第4因子 (As-Sn-W) (Fig. II-4-4(4)参照)

第4因子の高得点は Ringat 川下流の東側の沢で得られた。位置適には片岩と等粒状花崗岩の接触部付近に当たっている。高得点の分布状況は単成分解析のWの異常に類似している。

(C) 河川堆積物

1) 単成分解析

各成分ごとの平均値、最小値、最大値を Table II-4-3(1)、各成分間の相関係数を Table II-4-3(2)に示す。

Au

Auの平均値は0.018ppm、しきい値0.031ppm(全体の5%に相当)、最大値0.200ppmであり、A地区に比し含有量は若干低い。高異常値を示す個所は、Duabelas 支流と Ringat 川本流の合流点付近の東側支流に沿って3点得られ、外に Ringat 川下流の東支沢にも高~中異常を示す所がある。

Sn

この地区の Sn の平均値は15.4ppm、しきい値は125ppm(全体の5%に当る)、最大値300ppmである。Snの異常域は、花崗岩地帯である Ringat 川本流の上流及び、Jopal, Duabelas 2 支流の流域に広がっており、下流の東側支流にも花崗岩と堆積岩の境界付近に小範囲に分布している。

2) 多変量解析

因子分析を行った結果、第1、3の2因子が抽出された。因子負荷量、共通性、因子寄与率を Table II-4-3(3)に示す。第1因子及び第3因子の解析図を Fig. II-4-5(1), (2)に示す。因子得点が1.0以上を高得点として表示してある。

第1因子 (Ni-Co)

高得点は、Ringat 川下流の東側の片岩中にまとまって得られ、又 Japal 川及び Duabelas 川に沿って花崗岩中にも現われている。前者は既述のように堆積岩中の塩基性岩類、後者は花崗岩中の塩基性岩類のゼノリスに関係すると考えられる。

第3因子 (Sn-W)

Ringat 川の本流の上流地域及び Japal 川、Duabelas 川流域に高得点が得られたが、下流側にはほとんど出現しなかった。

4-2-2 地化学探査結果の考察

A地区の場合と同様、重鉍物の半定量鉍物鑑定、定量分析及び河川堆積物の定量分析データから得られた異常値の分布は、それぞれ多少ずつ異っているが、傾向はよく似ている。

分析成分のうち、Au, Sn, W, レアアースが重要であり、それらの異常帯は、Ringat 川下流の東岸で Au, Ni-Co, 中流から上流にわたって同じく東岸で W, 中流の Duabelas, Jopal 両支流区域で Sn, レアアースのように、分布区域に特徴がある。

Auは、Ringat 川本流の東支沢で、僅かながらも重鉍物中に自然金が認められ、石英脈に伴う自然金の可能性が強い。

半定量鉍物鑑定結果から、Snは錫石に由来し、レアアースは、品位がCe: $10^4 \sim 10^5$ ppm, La, Nd, Th, ; $10^3 \sim 10^4$ ppm のオーダーであって他成分より遙かに多いので主としてモナズ石に因ると考えられる。Ta, Nbも $10^3 \sim 10^4$ ppm オーダの含有率を示すが、鉍物鑑定では該当鉍物を同定していない。いずれも花崗岩起源と考えられる。

4-3 考察

C地区で行った地質調査・地化学探査結果は、次のように考察することができる。

(1) C地区を構成する岩石は、北側から南側に向って片岩類、等粒状花崗岩、斑状花崗岩がNE-SE方向に帯状に分布するが、このゾーンに多少斜交して北側からそれぞれ、Au, W, Sn・レアアースの地化学異常値が分布している。

(2) すなわち、片岩帯はAuの地化学異常で特徴づけられ、一部花崗岩との接触部付近にSn・Wの

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%	

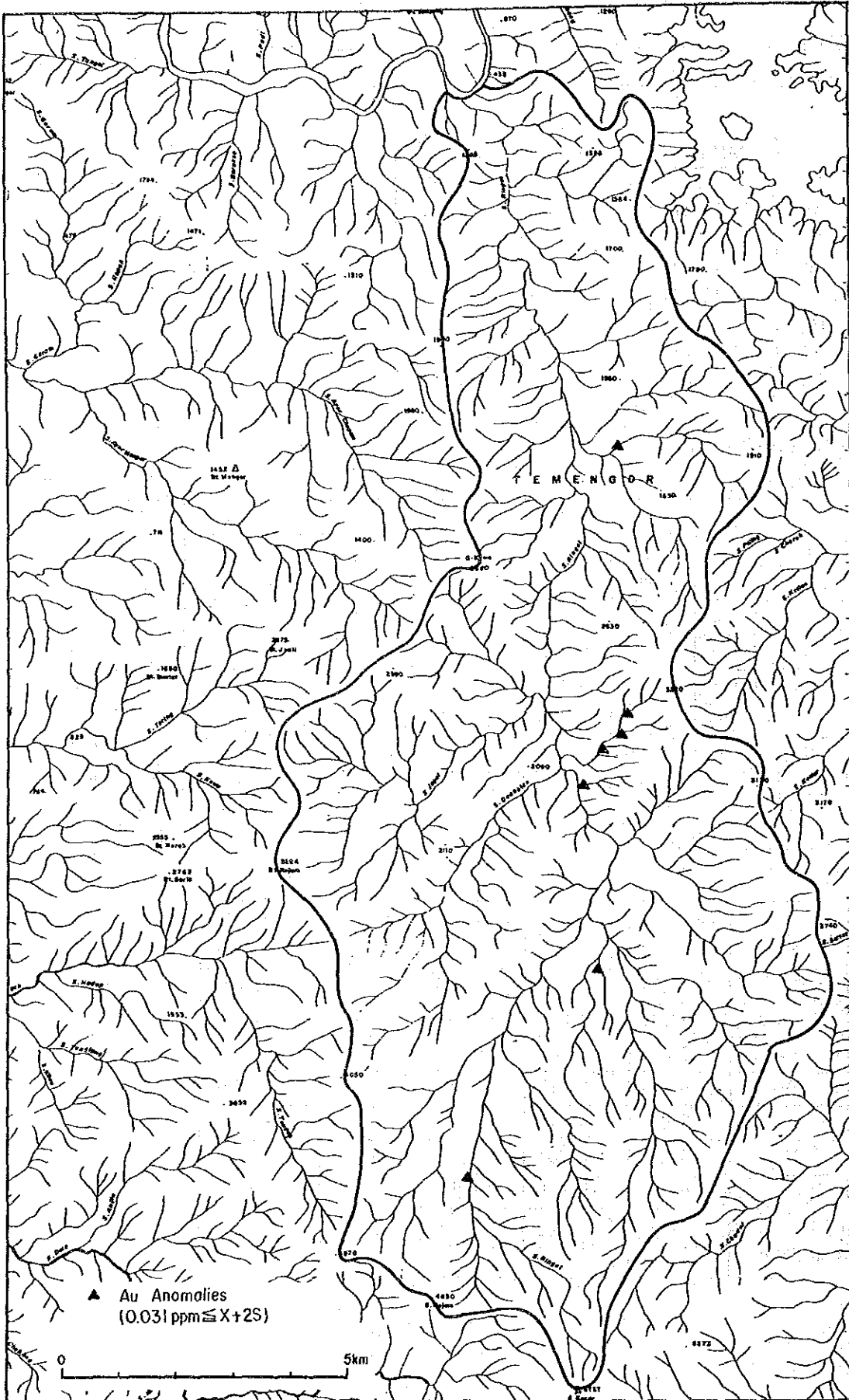


Fig. II-4-5 (1)

Geochemical Anomaly Map of Au in Silt

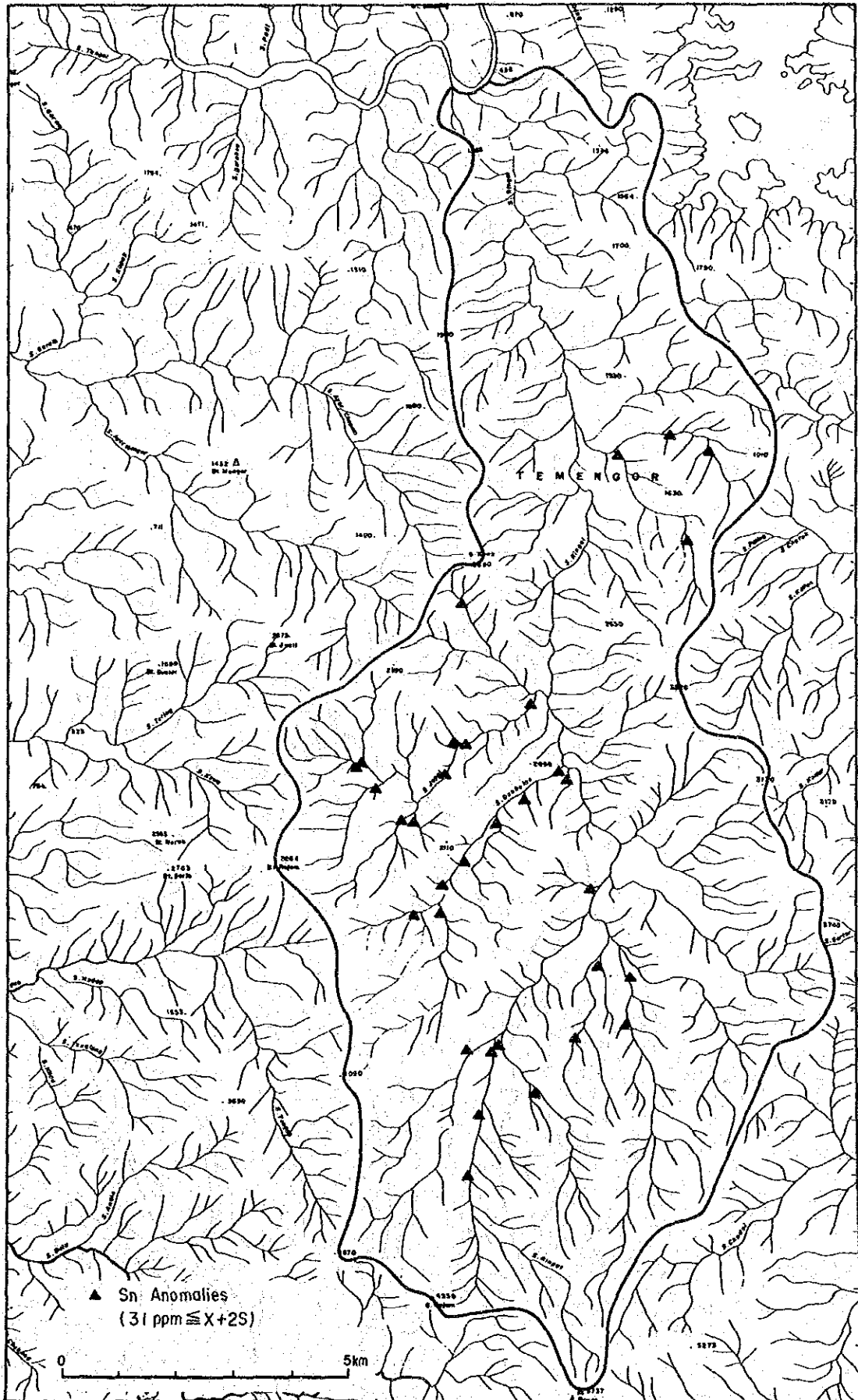


Fig. II-4-5(2)

Geochemical Anomaly Map of Sn in Silt

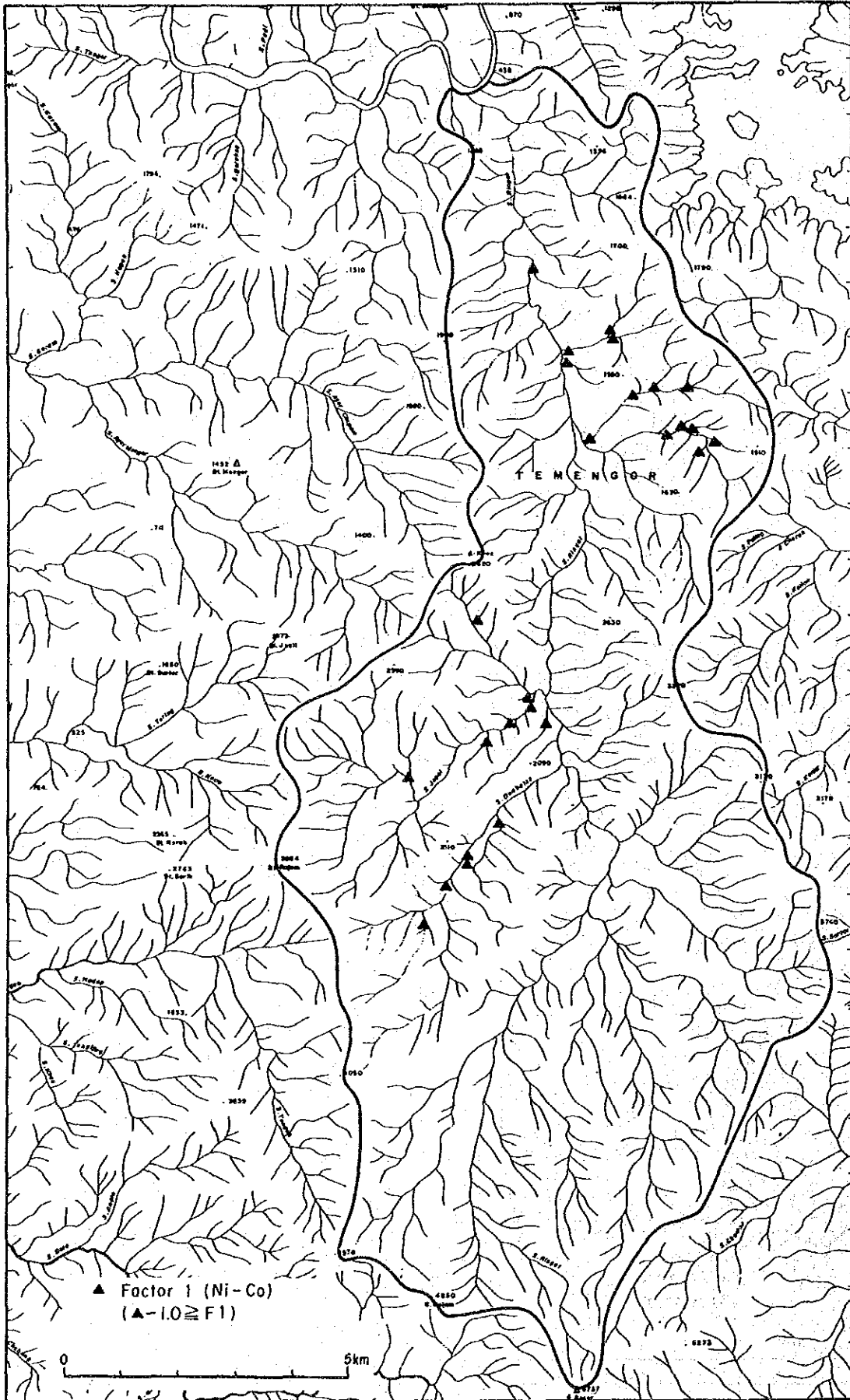


Fig. II-4-6 (1)

Factor Analysis Map of Factor 1 in Silt

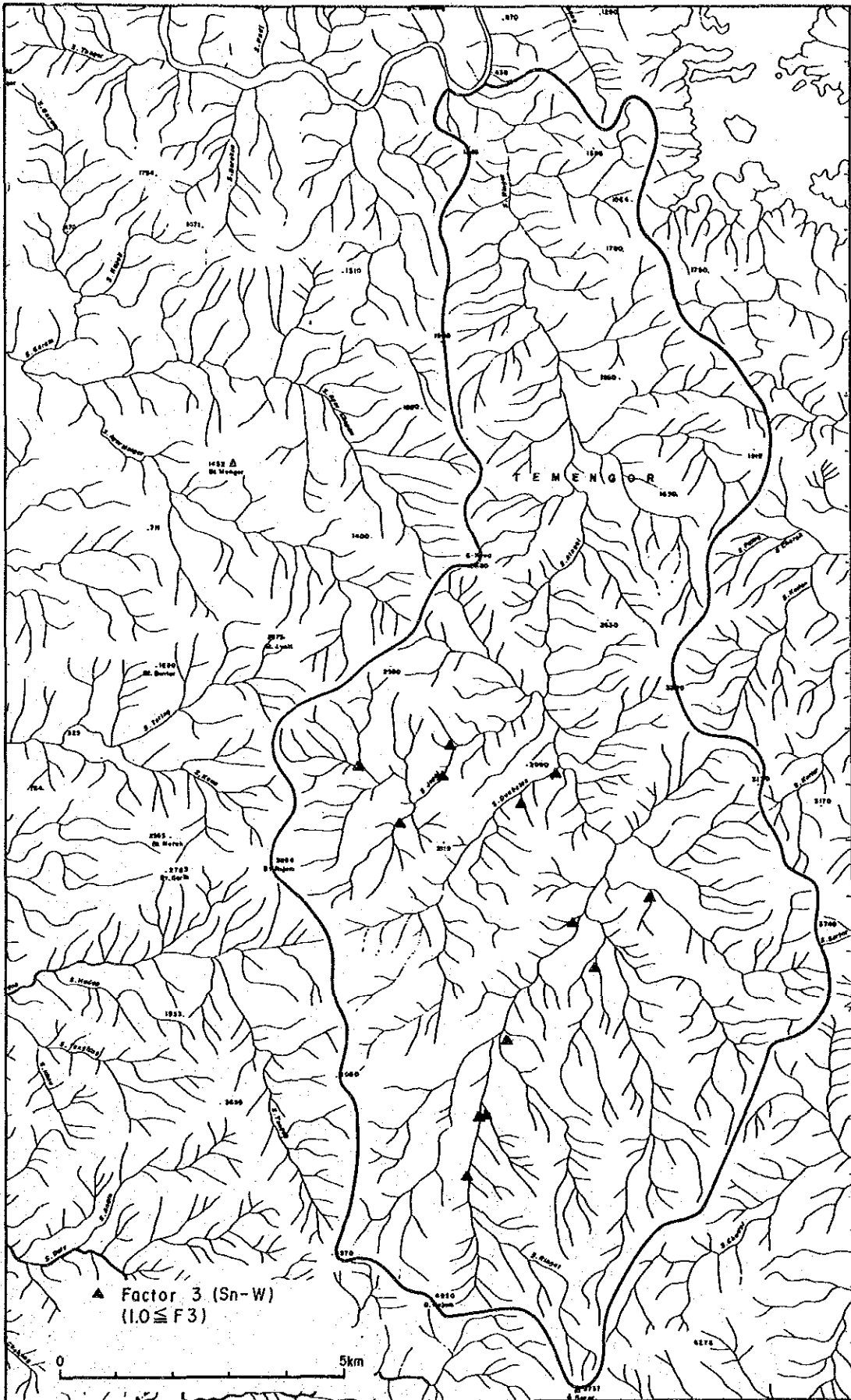


Fig. II-4-6 (2)

Factor Analysis Map of Factor 3 in Silt

異常を伴っている。

(3) Ringat 川本流の東側の等粒状花崗岩と斑状花崗岩中には、主として W の地化学異常が分布している。このゾーンには Au の異常も 2 個所得られている。

(4) Ringat 川の西側の斑状花崗岩中には、Sn, レアアースが特徴的に分布し、一部 Au の異常も重複している。

(5) 異常値や異常域の大きさから考えると、(2)の片岩帯中の Au 及び(4)の斑状花崗岩中の Sn, レアアースのポテンシャルが高いと結論できる。

第III部 結論及び提言

第1章 結 論

マレーシア国ペラ地域において第1年次に実施した地質調査、地化学探査及び物理探査(CSAMT法) かり次の結論が得られた。

(1) A地区

①本地区を構成する千枚岩中の変砂岩層の追跡により、NNW方向の褶曲軸をもつ変成岩地帯の構造が明らかになった。

②鉱床は Main Range 花崗岩中又は近接した所に賦存する金・錫の鉱脈型である。Tapah 南部のカオリン鉱床も Changkat Rembian 花崗岩の貫入に伴う熱水変質によるもので、金の鉱化作用にも関係があると考えられる。

③本地区の河川に推積している重鉱物は、金、イルメナイト、電気石、モナズ石、ゼノタイム、錫石、ルチル、ジルコン、トパズ及び磁鉄鉱で、その構成比はイルメナイトが76%、電気石8%他鉱物はそれぞれ5%以下である。

④ Main Range 花崗岩から千枚岩帯に向かって、レアアース、錫・タングステン、金に移行する地化学異常の帯状分布が認められる。レアアースは主として花崗岩に含まれるモナズ石に起因し、他は熱水性の鉱化作用に関係せるものと考えられる。

⑤金の地化学異常は、Tapah-Bidor-Sungkai ハイウェイの東側に帯状に分布し、その規模は Bukit Mas 金山地区を含んで幅2~4 km、延長22kmに及んでいる。この内 Bukit Mas より北部の異常帯(2 km×8 km) が特に金含有量が高い(重鉱物中の平均金含有量0.2g/m³、最大1.8g/m³)。

⑥ Bukit Mas 金山地区において CSAMT 法により得られた高比抵抗帯は、石英に富む変砂岩を反映したものであって、鉱床帯に該当する特有な比抵抗構造は得られなかった。このことから、含金石英脈及び珪化帯から成る鉱化帯の規模は小さく、連続性にも乏しいと考えられる。

⑦ Bukit Mas における既知の土壤中の金の地化学異常は変砂岩層にあって、既知鉱床の分布とは関連しないことが判明した。この異常について、⑥の金の大規模異常帯の一部であるとの観点から探査計画を立てるべきである。

(2) B地区

①当初提示された Changkat Jong 地区の第四紀層中には、重鉱物は期待できぬことが判明したので、今後の調査は Teluk Intan 地区で進めた方が良いと考えられる。

② Teluk Intan の Labu Kubun 地区には、基盤岩の地形に支配されて錫石の濃集ゾーンがあり、その広がりを探査するには、基盤岩の起伏状況を知る必要がある。

(3) C地区

①本地区の地質は、古生代の結晶片岩とこれを貫く Main Range 花崗岩から成る。

②A地区と同様 Main Range 花崗岩から結晶片岩帯に向かって、レアアース、錫、タングステン、金と言う地化学異常が帯状分布をなすことが明らかになった。

第2章 第2年次への提言

本年次調査結果から第2年次調査につき次のように提言する。

(1) A地区

地化学探査で得られた Tapah 北部及び Bidor 南部で得られた金異常帯につき、その濃集の程度、深部への広がり及び地質との関係を把握するためのトレンチ調査を含む地化学精査。

(2) B地区

Teluk Intan 地区の Labu Kubung を中心とする約200km²を新B地区とし、この地区における基盤岩の地形を明かにし、錫石鉱量の広がりと深度を堆定するための重力調査。

(3) C地区

地化学探査で得られた Duabelas 川及び Jopal 川流域の金、錫、レアアースの異常帯及び Ringat 川下流の金異常帯につき、その濃集の程度や地質との関係を把握するための地質・地化学精査。

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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	Interpretation 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 Analysis 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)~(8)
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

卷 末

Photo A-1

Microphotograph of Thin Section

Abbreviation

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

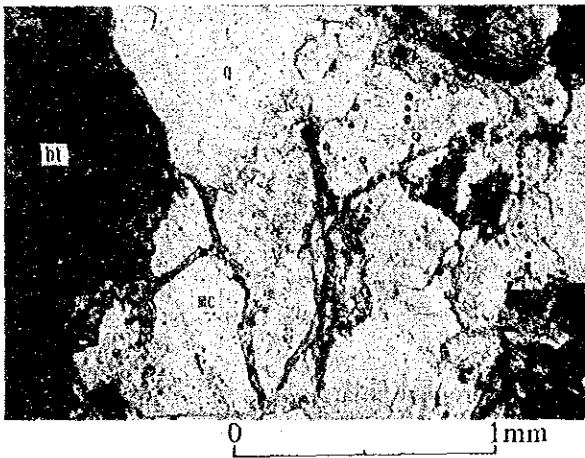


Sample No. : F24
Rock name : green schist
Location : Bidor
Texture : fibroblastic

(only lower polar)



(crossed polars)

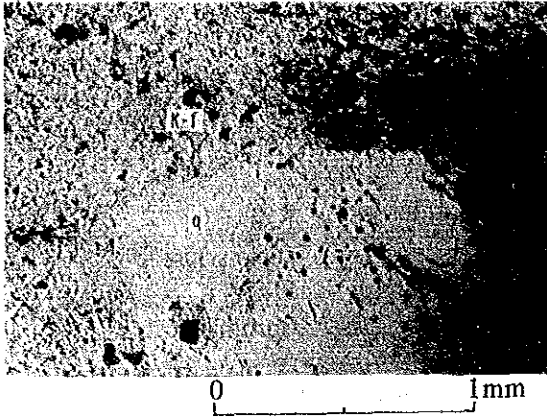


Sample No. : A04
Rock name : granite (equigranular)
Location : Tapah
Texture : granitic

(only lower polar)



(crossed polars)

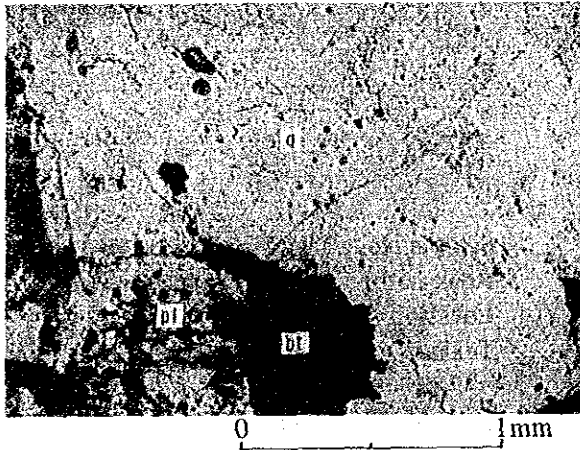


Sample No. : F06
Rock name : granite porphyry
Location : Changkat Rembien
Texture : porphyritic

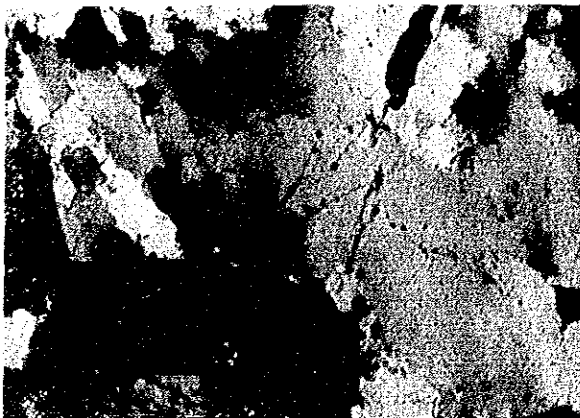
(only lower polar)



(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

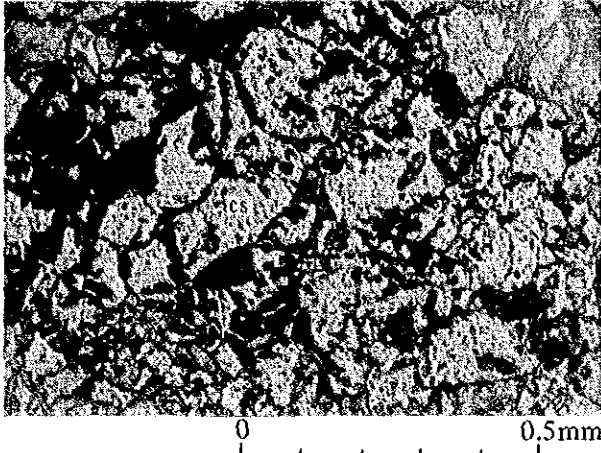
cs : cassiterite

py : pyrite

mg : magnetite

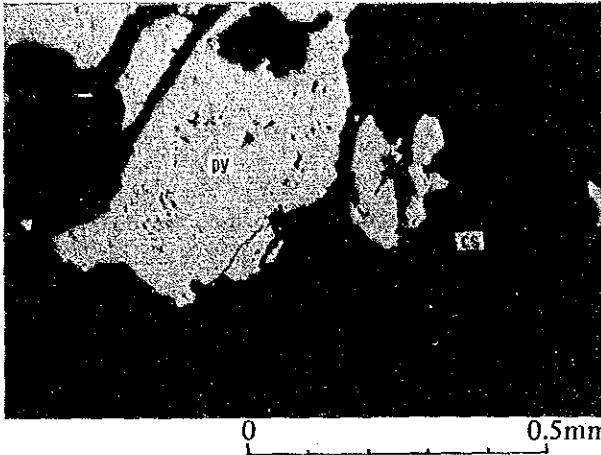
goe : goethite

q : quartz



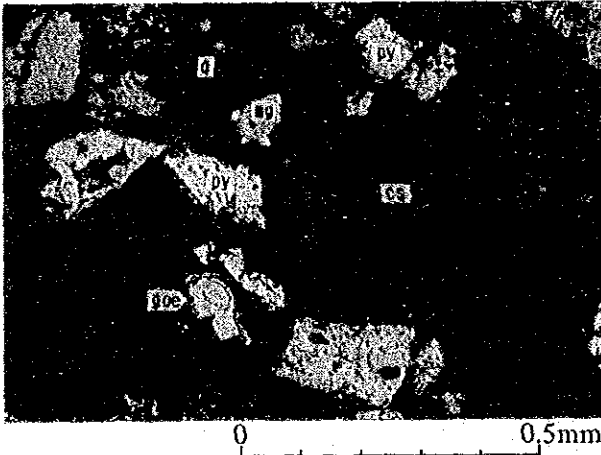
Sample No. : F10
 Ore name : cassiterite-tourmaline-
 quartz vein
 Location : Ct. Rembian

(only lower polar)



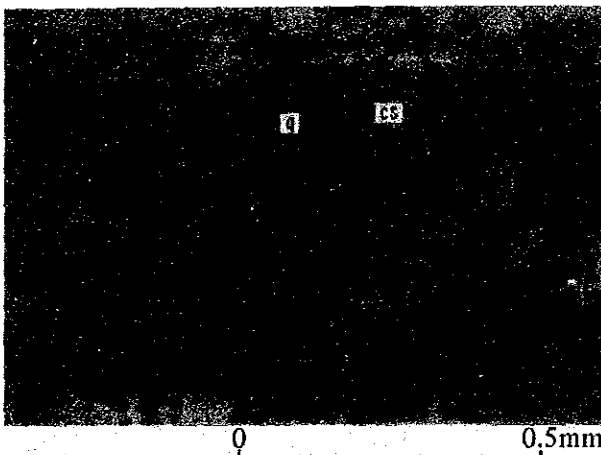
Sample No. : F56A
 Ore name : cassiterite-quartz vein
 Location : Batu Rembong

(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)

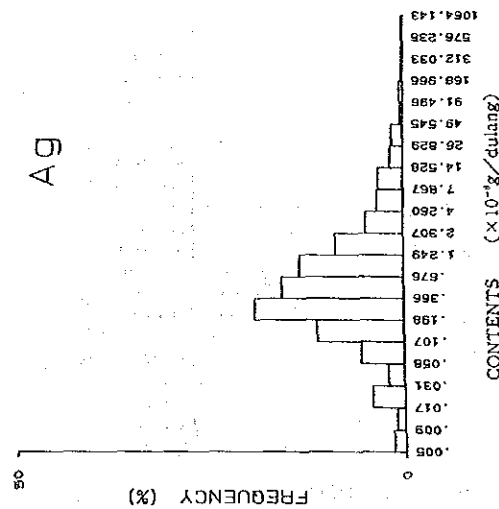
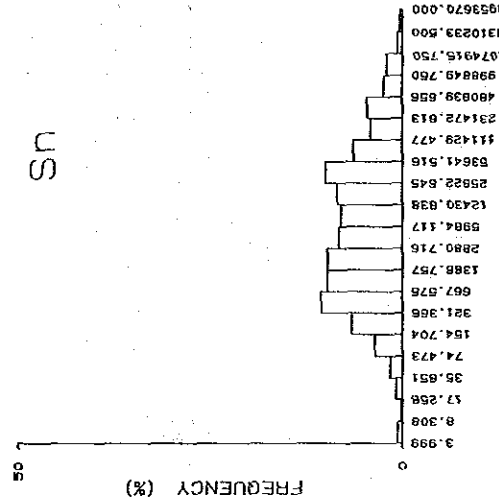
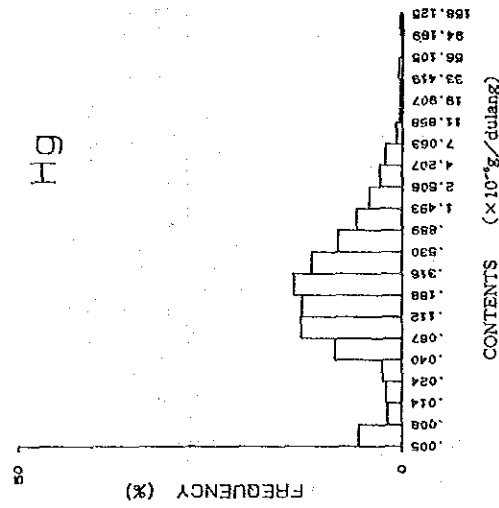
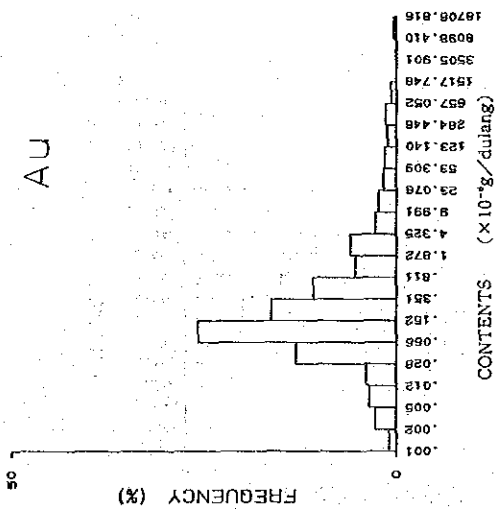
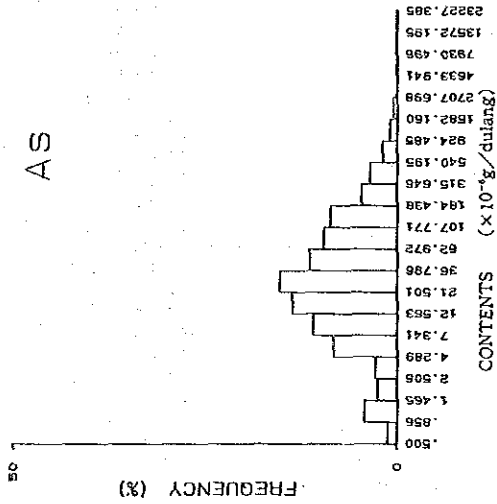
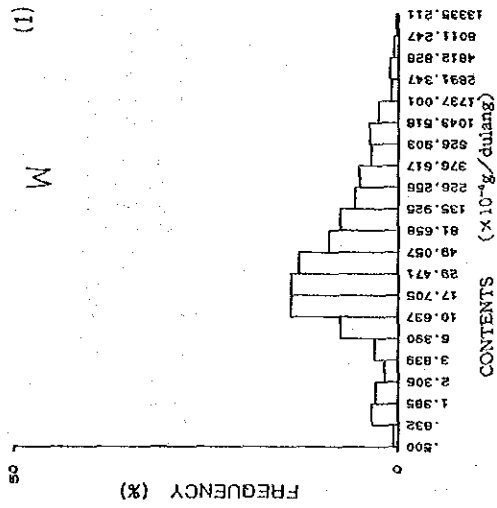
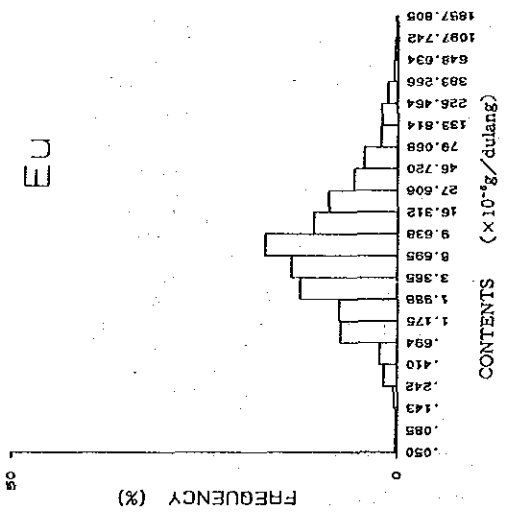
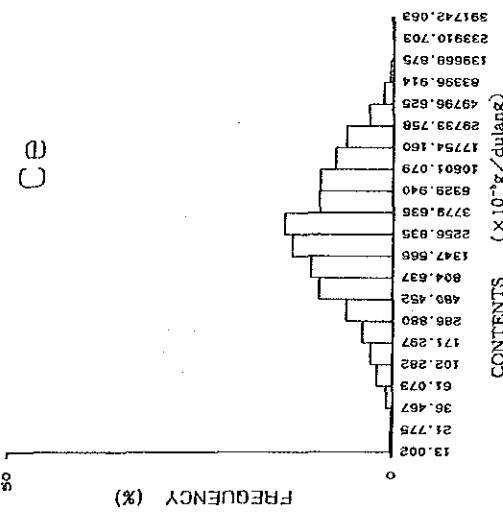
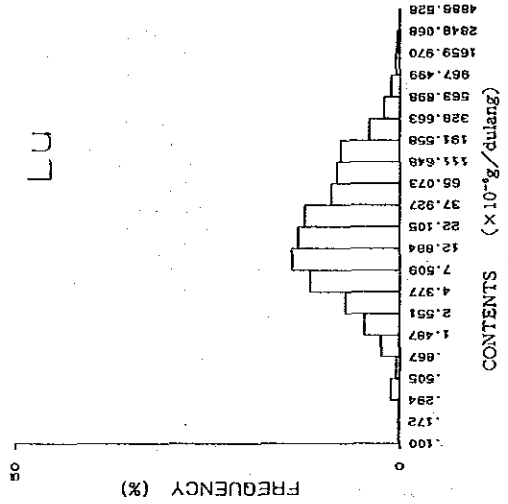
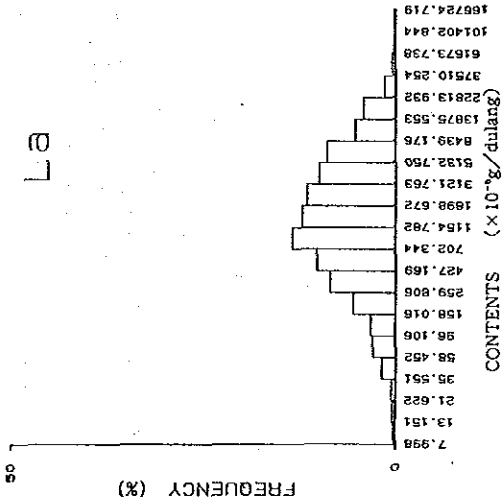
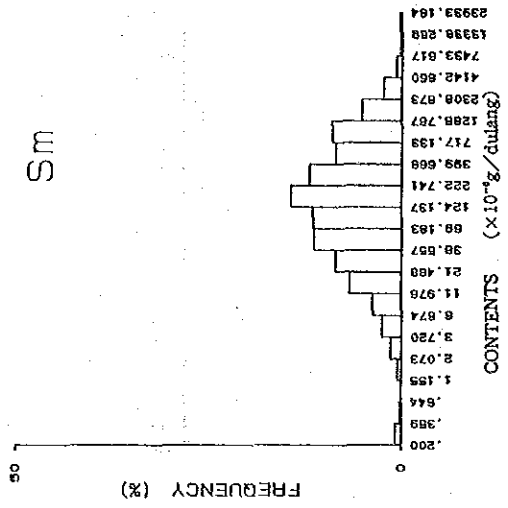
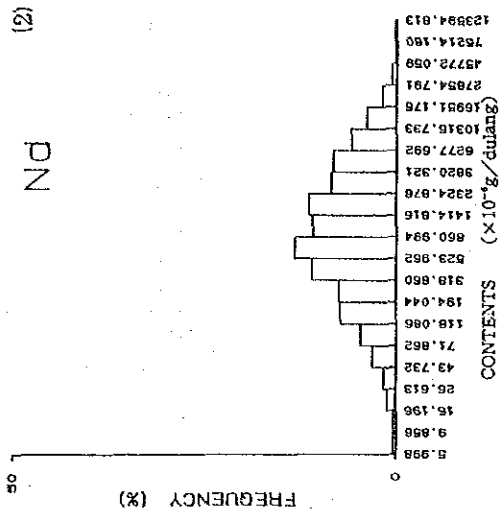
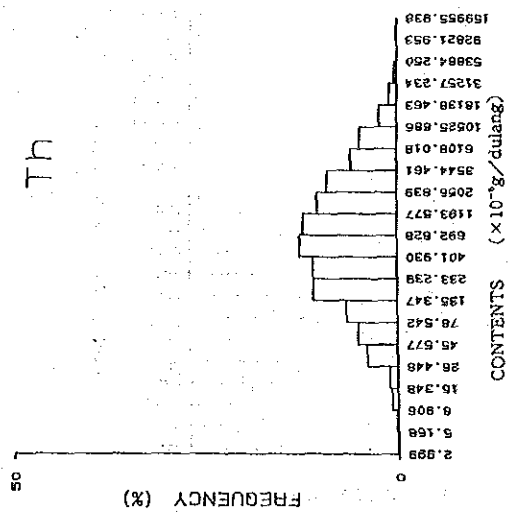
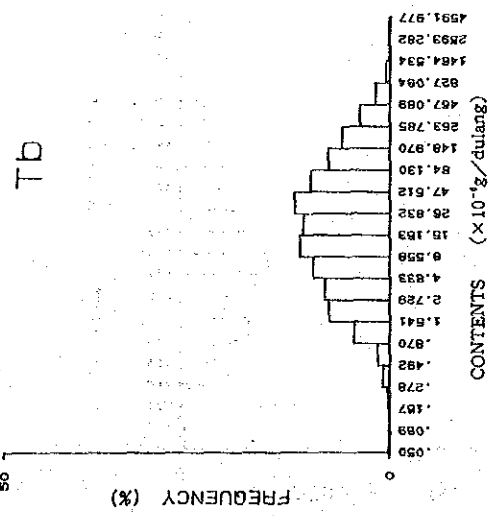
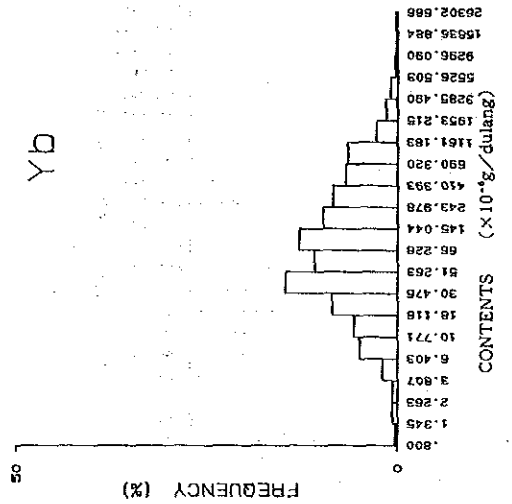
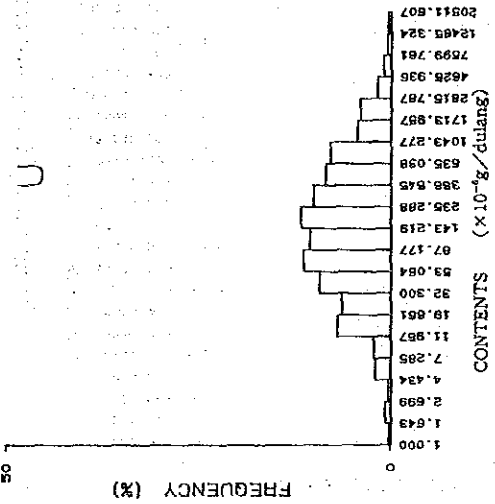
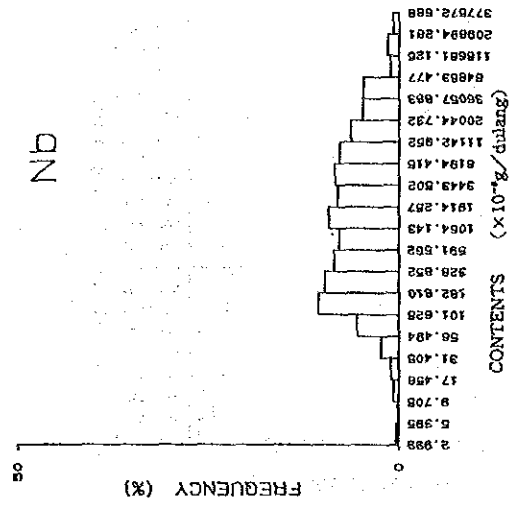
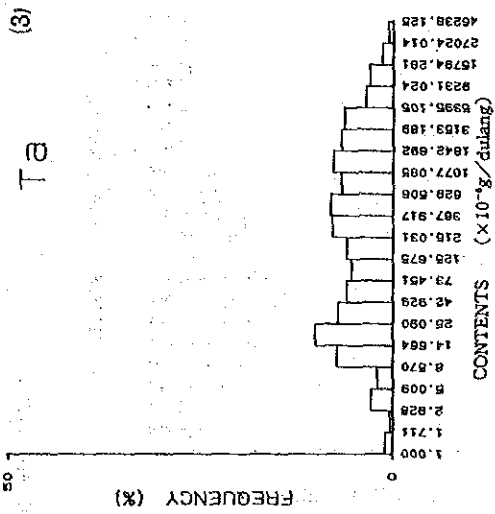


Fig. A-1 Histogram of Heavy Mineral Concentrate, Area A





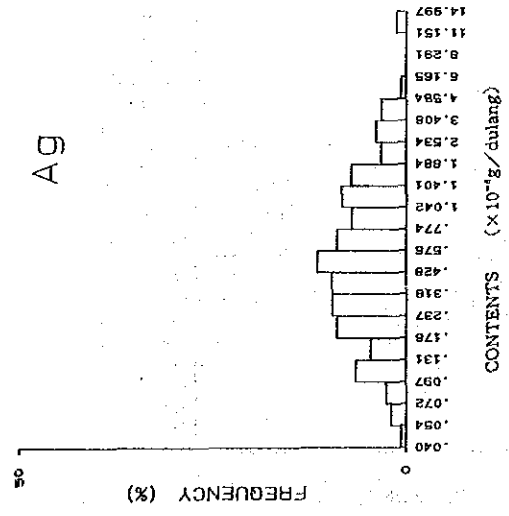
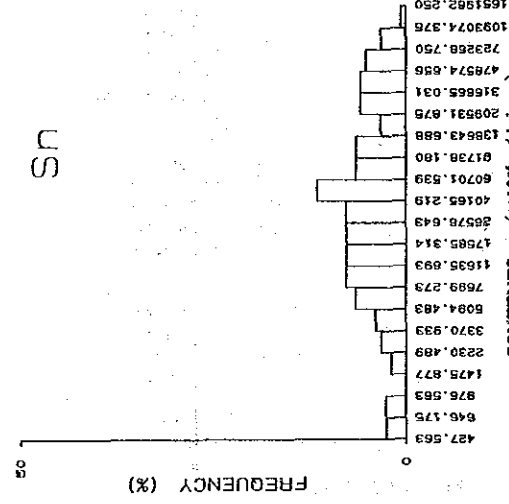
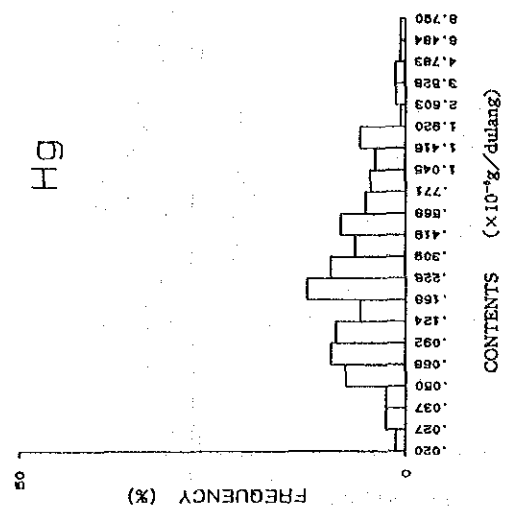
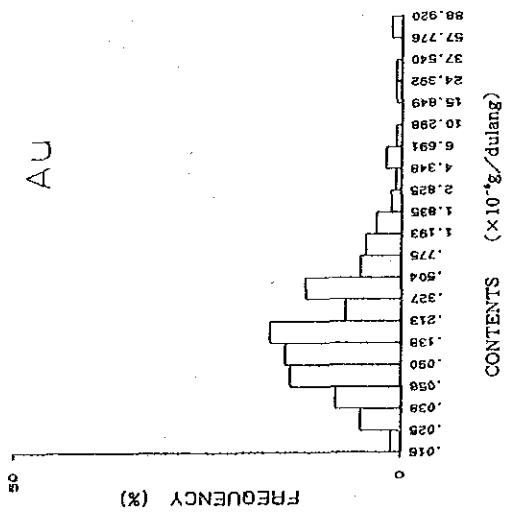
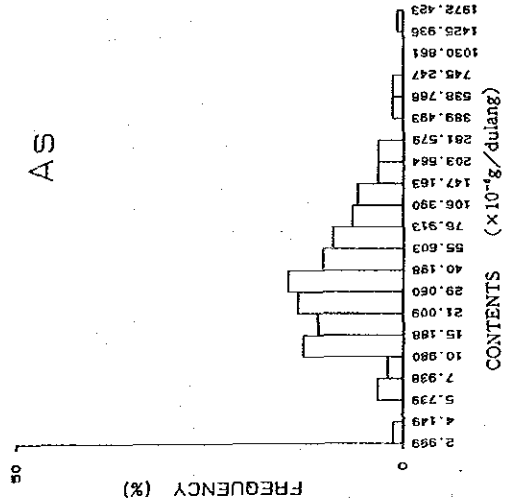
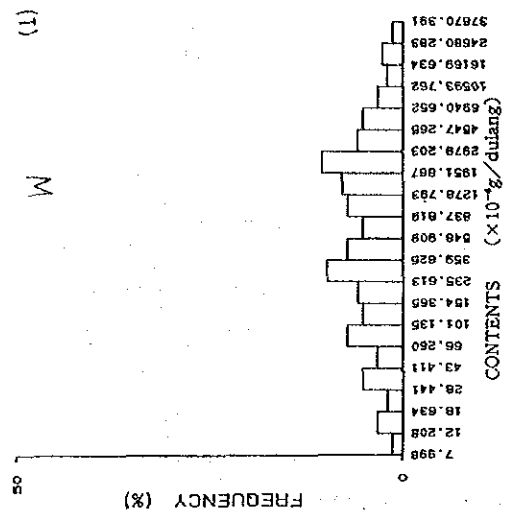
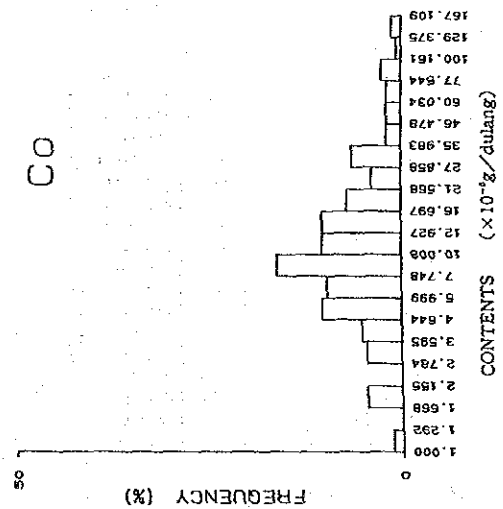
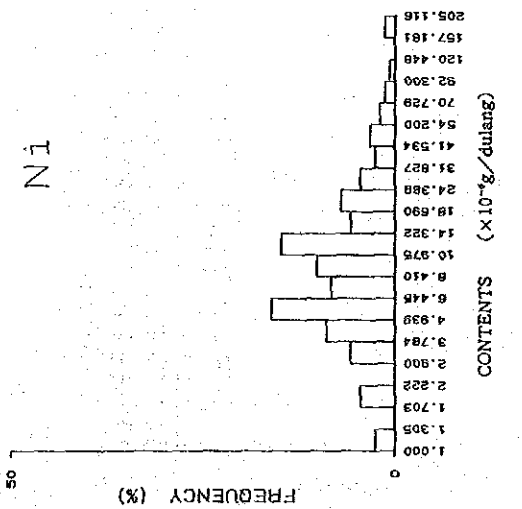
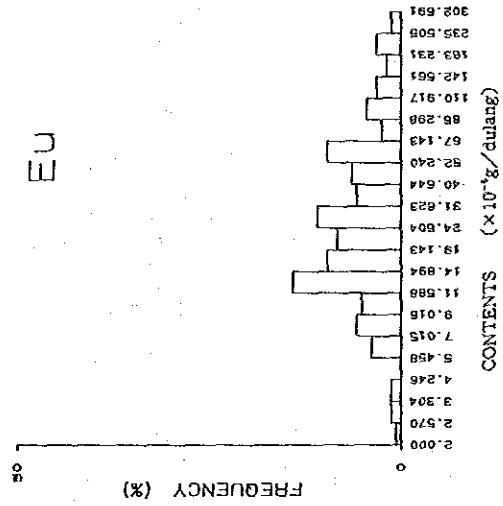
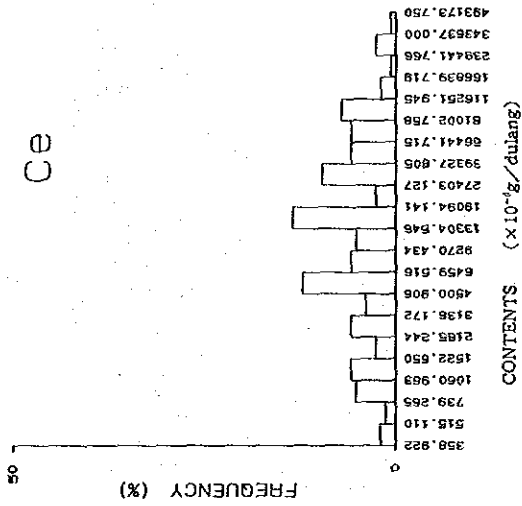
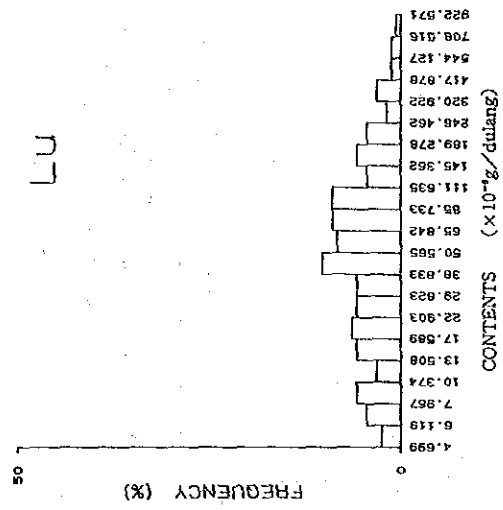
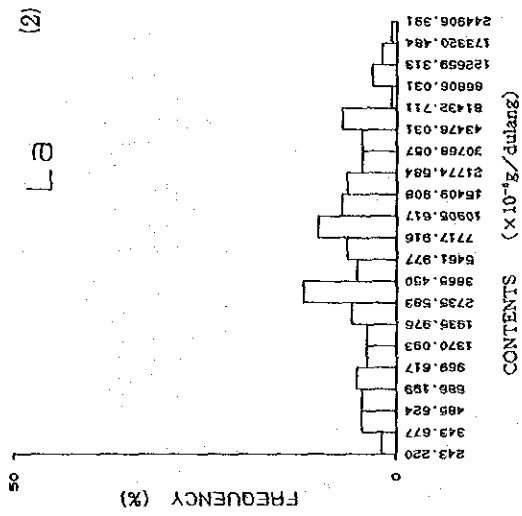
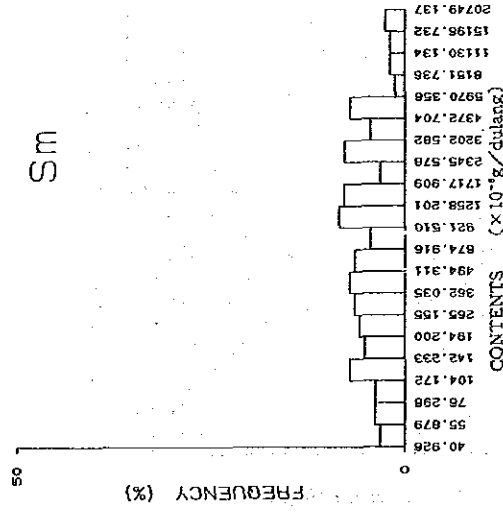
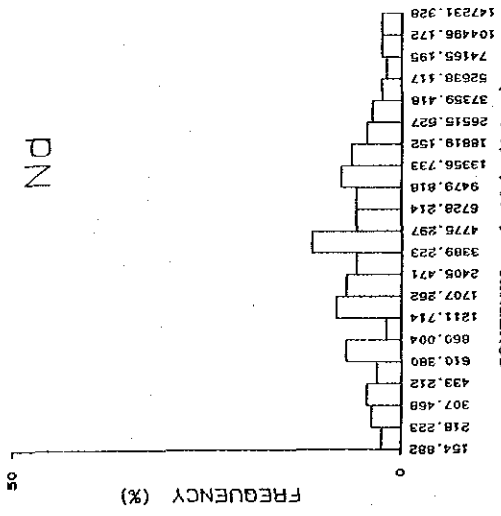
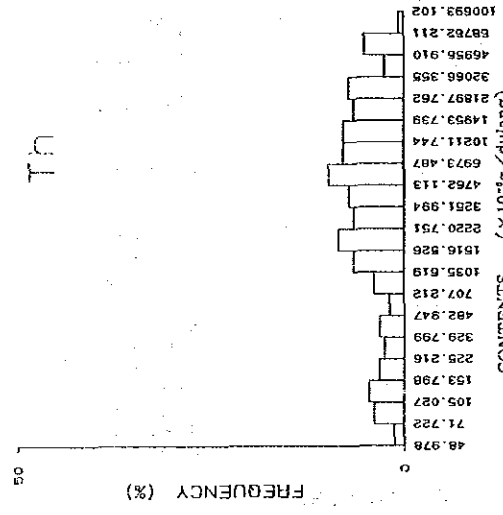
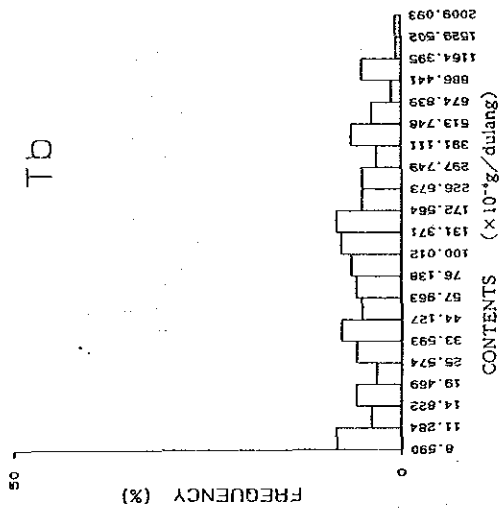
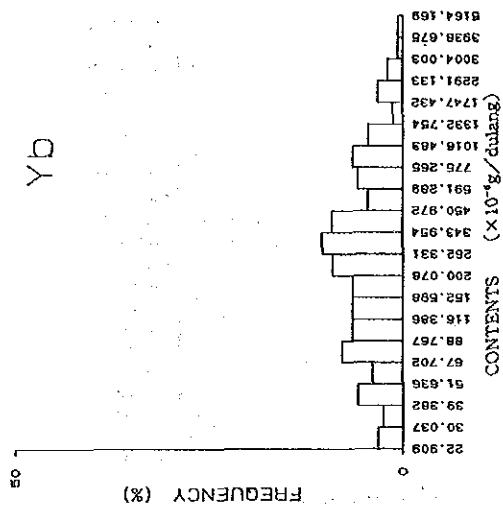
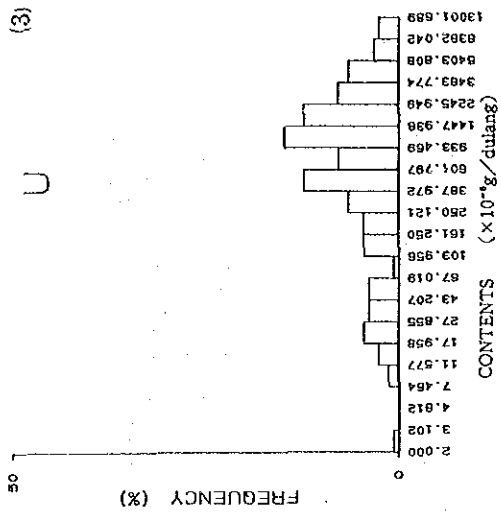
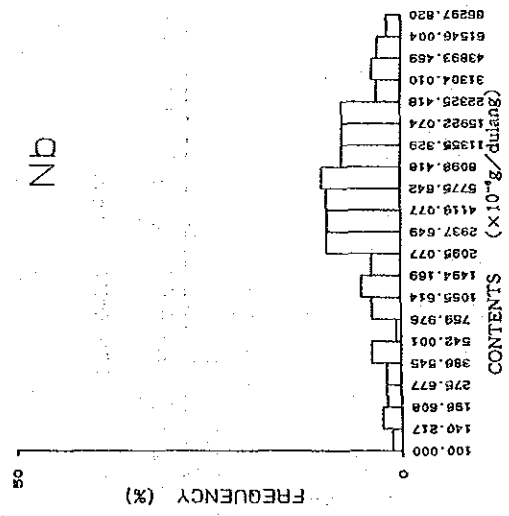
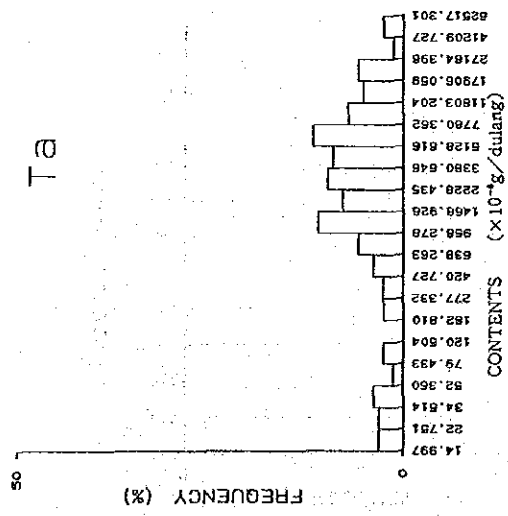


Fig. A-2 Histogram of Heavy Mineral Concentrate, Area C





(4)



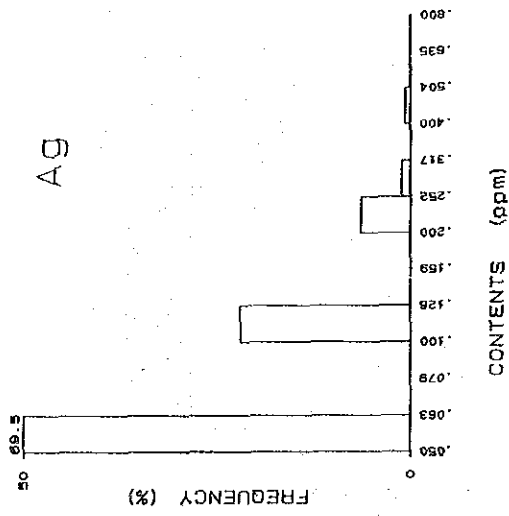
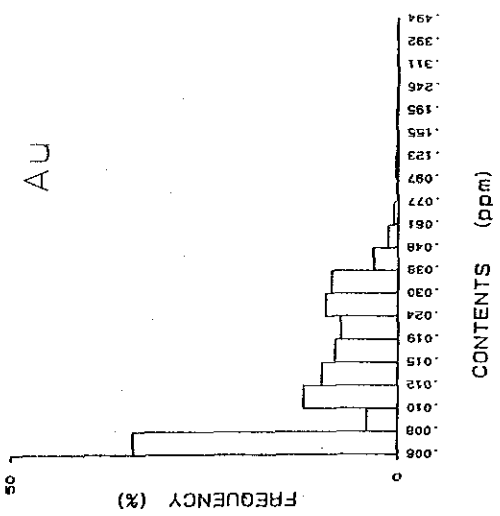
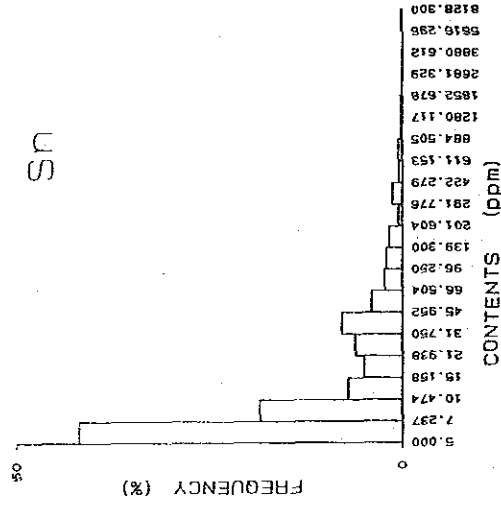
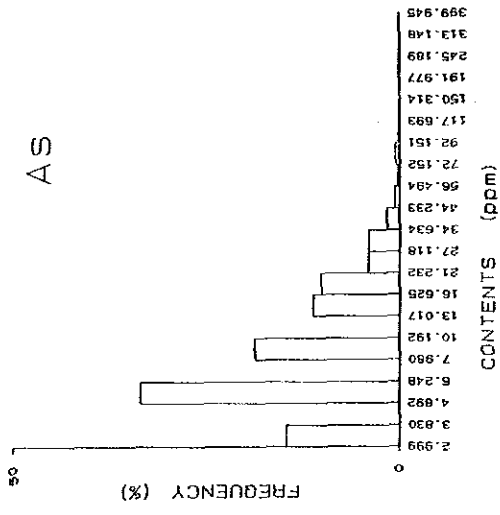
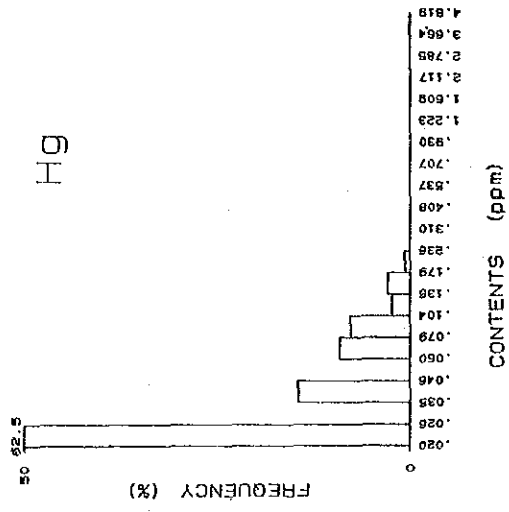
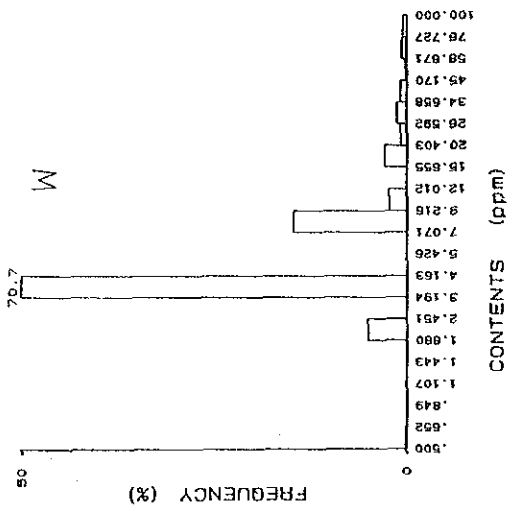


Fig. A-3 Histogram of Silt, Area A

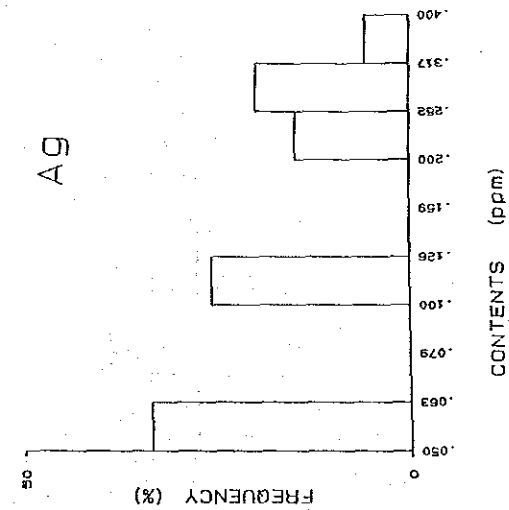
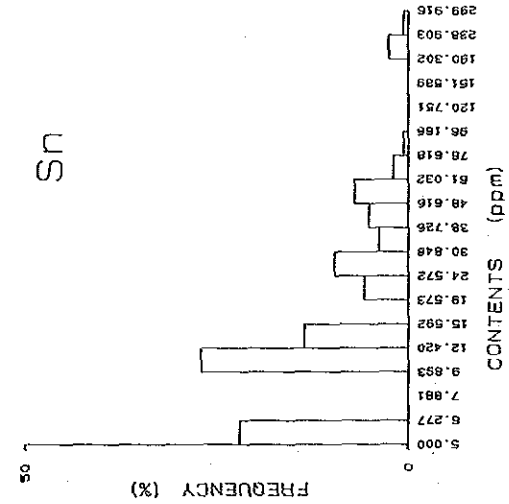
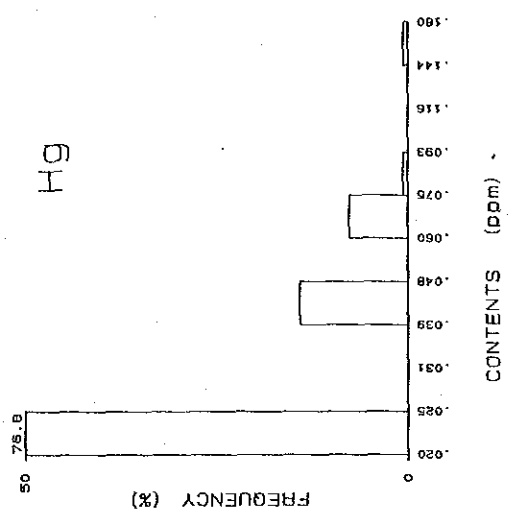
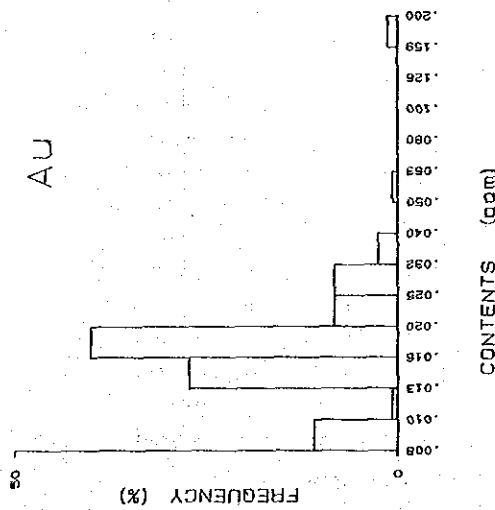
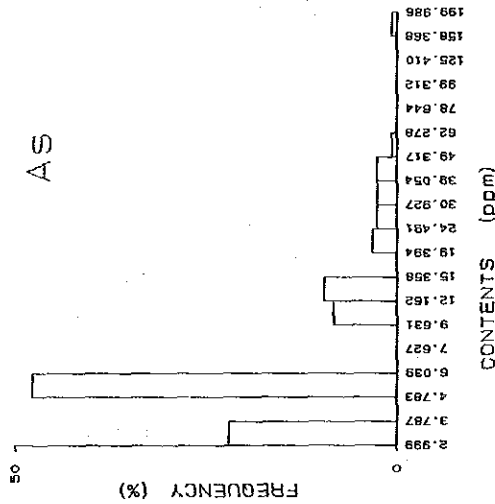
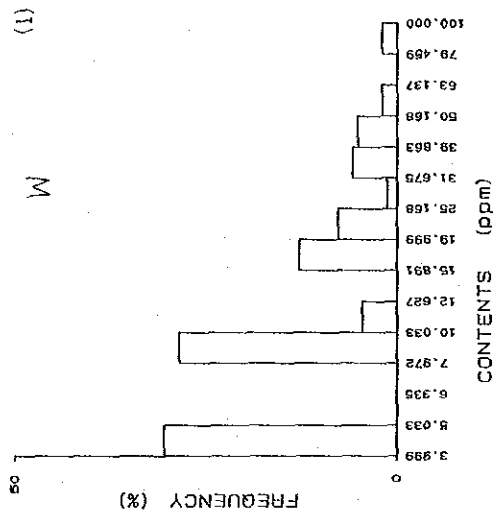


Fig. A-4 Histogram of Silt, Area C

(2)

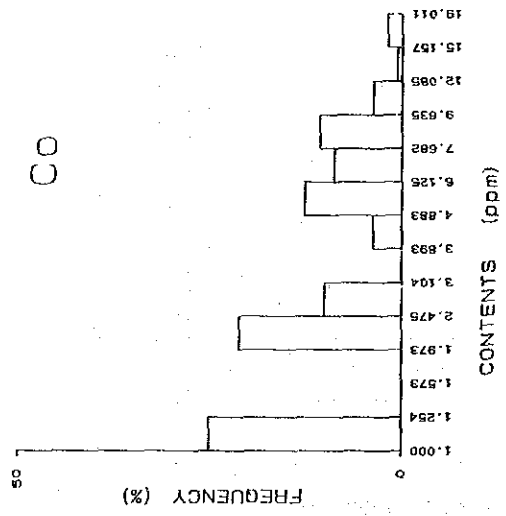
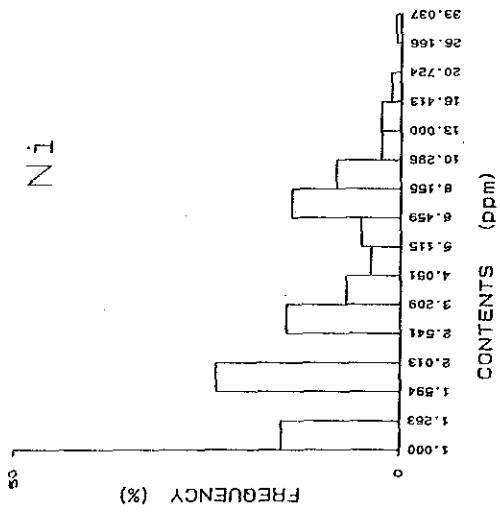
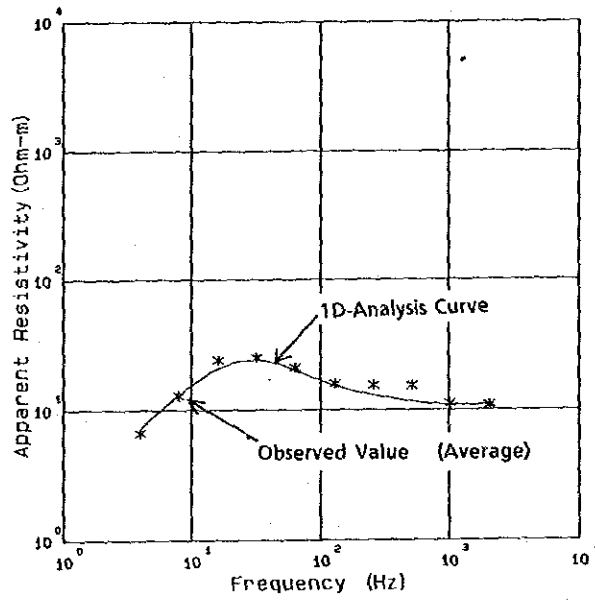


Fig. A-5

1-D Analysis Curve

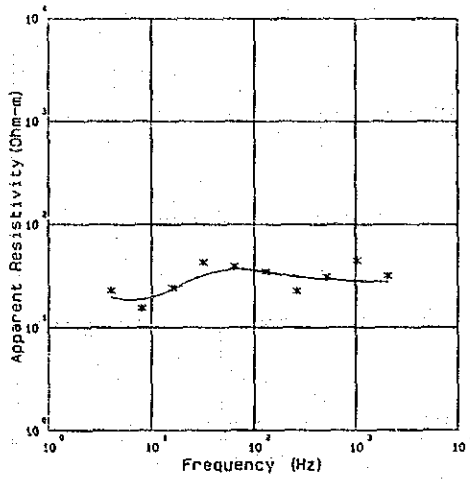
LEGEND

MALAYSIA CSAMT No. 57



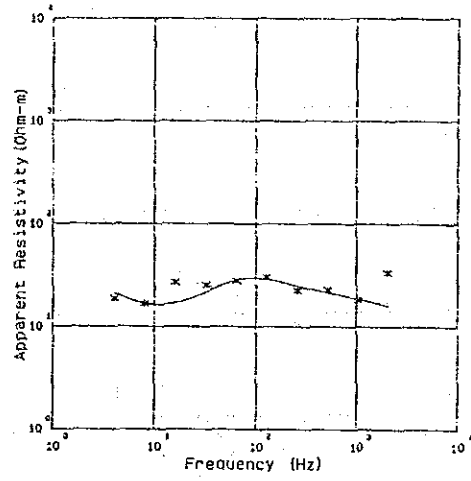
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	108	110	115.0	181.0
1024.0	111	109		
512.0	152	116	259.0	1281.0
256.0	153	130		
128.0	198	159	.5	Infinite
64.0	212	202		
32.0	252	243		
16.0	241	207		
8.0	129	130		
4.0	67.2	72.8		

MALAYSIA CSAMT No. 1



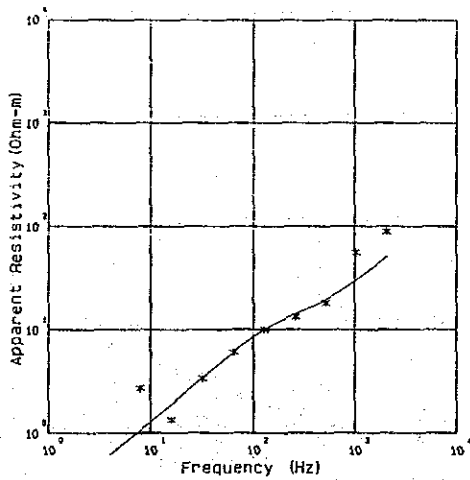
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	318	276	Rho (Ohm-m)	Thickness (m)
1024.0	445	284		
512.0	312	289	281.0	188.0
256.0	225	315		
128.0	349	349	371.0	1050.0
64.0	395	369		
32.0	430	321	97.9	954.0
16.0	244	235		
8.0	154	187		
4.0	230	198	5510.0	Infinite

MALAYSIA CSAMT No. 3



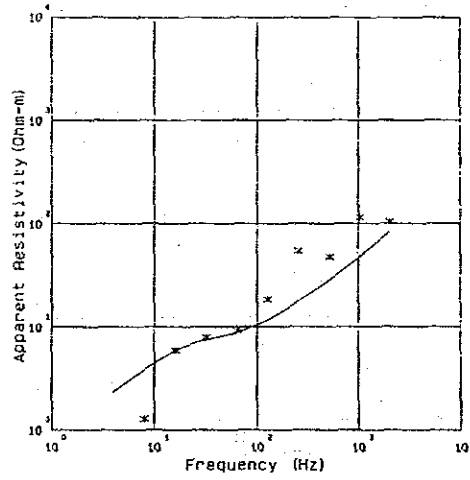
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	335	158	Rho (Ohm-m)	Thickness (m)
1024.0	184	188		
512.0	228	216	37.7	35.0
256.0	225	250		
128.0	303	292	318.0	976.0
64.0	279	284		
32.0	254	219	50.0	590.0
16.0	270	170		
8.0	156	167		
4.0	188	212	1910.0	Infinite

MALAYSIA CSAMT No. 5



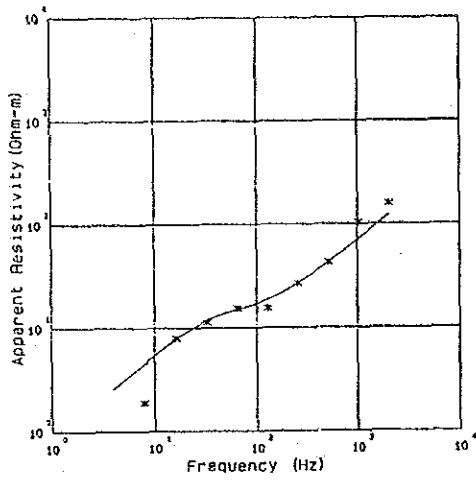
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	898	513	Rho (Ohm-m)	Thickness (m)
1024.0	558	302		
512.0	181	195	5009.0	147.0
256.0	133	143		
128.0	100	100	30.6	203.0
64.0	60.5	60.8		
32.0	33.7	34.2	.5	Infinite
16.0	13.4	18.9		
8.0	27.3	10.6		
4.0	2.33	6.17		

MALAYSIA CSAMT No. 6



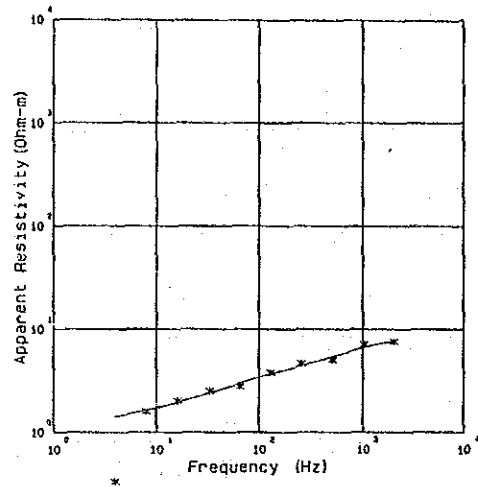
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	1040	836	Rho (Ohm-m)	Thickness (m)
1024.0	1150	478		
512.0	477	284	4000.0	200.0
256.0	543	177		
128.0	184	117	30.0	590.0
64.0	92.4	80.5		
32.0	79.3	75.0	1.0	Infinite
16.0	59.6	58.5		
8.0	12.8	38.3		
4.0	1.08	23.2		

MALAYSIA CSAMT No. 7



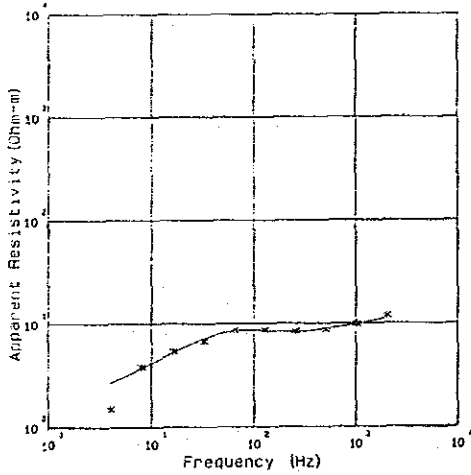
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	1560	1230	450.0	243.0
1024.0	1030	712		
512.0	420	427	48.8	563.0
256.0	269	268		
128.0	154	186	.9	Infinite
64.0	154	150		
32.0	112	117		
16.0	90.5	77.4		
8.0	19.0	45.3		
4.0	1.05	25.7		

MALAYSIA CSAMT No. 8



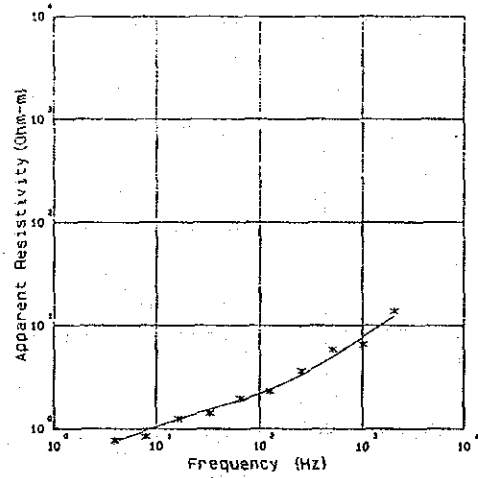
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	75.9	77.2	72.7	89.3
1024.0	71.1	67.1		
512.0	50.2	54.5	19.2	164.0
256.0	48.7	44.7		
128.0	38.2	37.0	9.6	Infinite
64.0	27.6	30.1		
32.0	25.2	24.1		
16.0	20.3	19.6		
8.0	15.9	16.4		
4.0	3.34	14.2		

MALAYSIA CSAMT No. 9



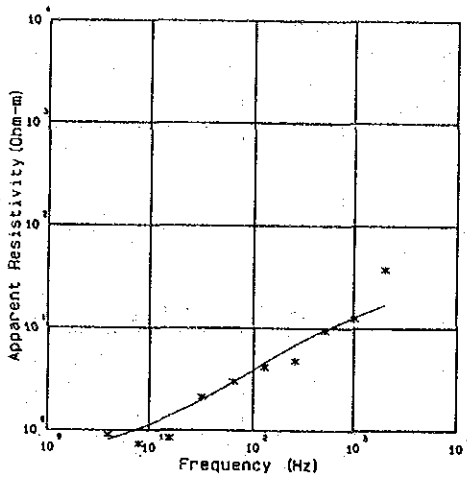
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	118	114	355.0	30.9
1024.0	98.8	99.3		
512.0	66.9	39.0	68.4	545.0
256.0	84.2	83.5		
128.0	86.8	85.8	8.1	Infinite
64.0	85.3	85.2		
32.0	67.0	71.9		
16.0	54.3	52.9		
8.0	38.4	37.2		
4.0	15.0	26.6		

MALAYSIA CSAMT No. 10



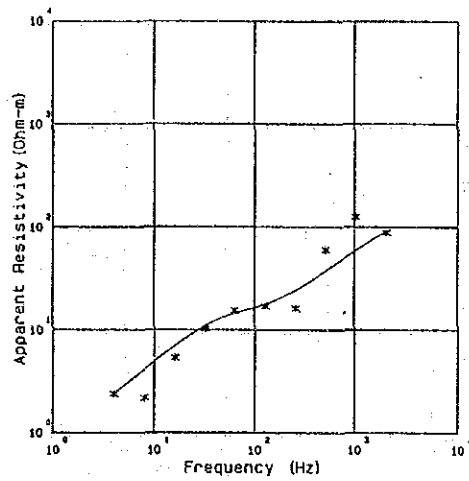
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	137	124	264.0	80.3
1024.0	65.6	78.4		
512.0	58.4	50.2	8.2	243.0
256.0	36.6	33.9		
128.0	23.2	24.0	3.2	Infinite
64.0	19.7	16.8		
32.0	14.2	15.5		
16.0	12.5	12.4		
8.0	8.44	9.64		
4.0	7.68	7.57		

MALAYSIA CSAMT No. 11



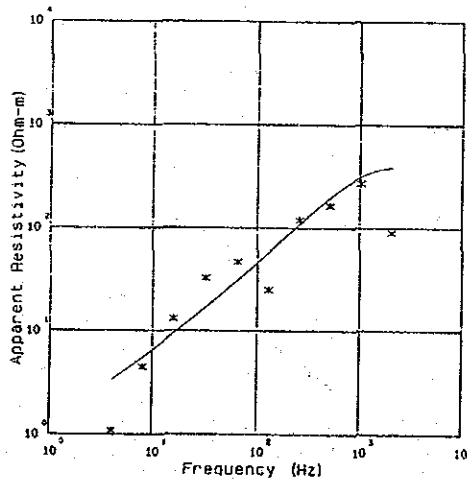
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	375	171	Rho (Ohm-m)	Thickness (m)
1024.0	125	128		
512.0	94.0	97.0	198.0	101.0
256.0	47.9	69.8	24.1	99.2
128.0	41.7	45.7		
64.0	30.2	29.8	4.2	Infinite
32.0	21.2	19.9		
16.0	8.44	13.9	4.0	9.07
8.0	7.39	10.3		
4.0	9.07	8.11		

MALAYSIA CSAMT No. 12



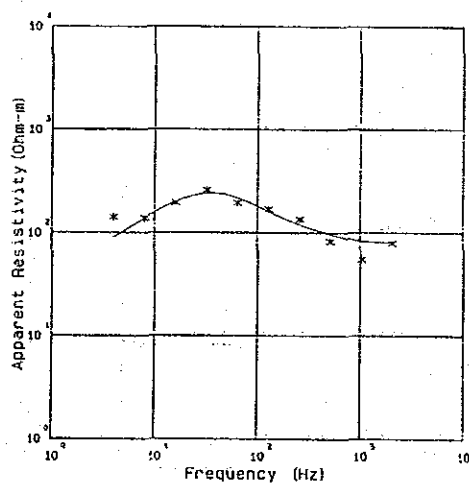
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	980	917	Rho (Ohm-m)	Thickness (m)
1024.0	1250	593		
512.0	603	376	1160.0	236.0
256.0	161	245	43.4	599.0
128.0	169	178		
64.0	155	143	1.4	Infinite
32.0	102	109		
16.0	53.5	70.1	8.0	21.9
8.0	21.9	41.3		
4.0	23.9	24.1		

MALAYSIA CSAMT No. 13



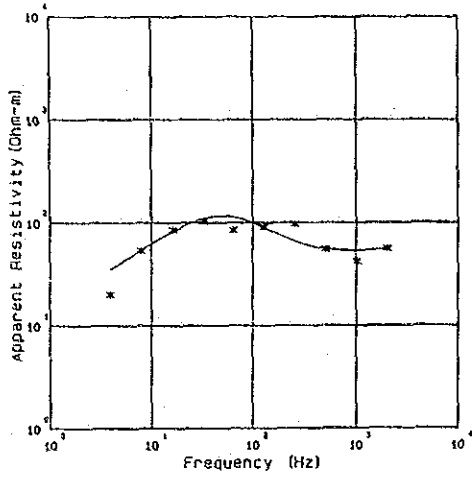
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	903	3830	Rho (Ohm-m)	Thickness (m)
1024.0	2710	3130		
512.0	1640	1960	3100.0	650.0
256.0	1190	1080	95.0	70.0
128.0	231	378		
64.0	468	309	5.0	Infinite
32.0	327	168		
16.0	131	94.5	4.0	10.9
8.0	44.8	55.1		
4.0	10.9	33.8		

MALAYSIA CSAMT No. 15



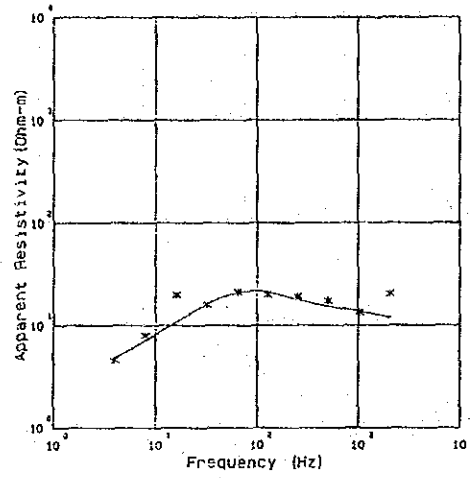
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	790	809	Rho (Ohm-m)	Thickness (m)
1024.0	549	835		
512.0	827	970	880.0	425.0
256.0	1350	1200	3390.0	3738.0
128.0	1690	1810		
64.0	1950	2190	125.0	Infinite
32.0	2800	2420		
16.0	1950	2000	8.0	1370
8.0	1370	1380		
4.0	1410	302		

MALAYSIA CSAMT No. 17



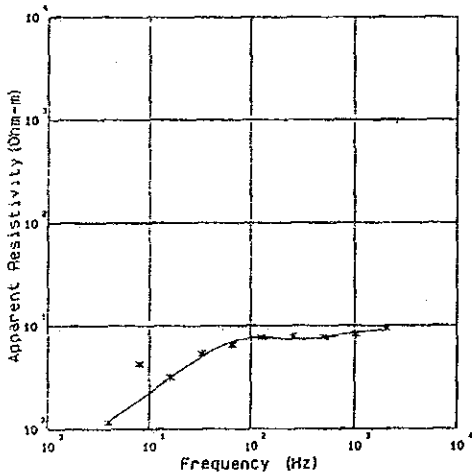
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	580	561	Rho (Ohm-m)	Thickness (m)
1024.0	418	539		
512.0	591	560	1840.0	1990.0
256.0	975	655		
128.0	910	903	53.0	Infinite
64.0	948	1140		
32.0	1030	1100		
16.0	899	922		
8.0	533	543		
4.0	200	354		

MALAYSIA CSAMT No. 18



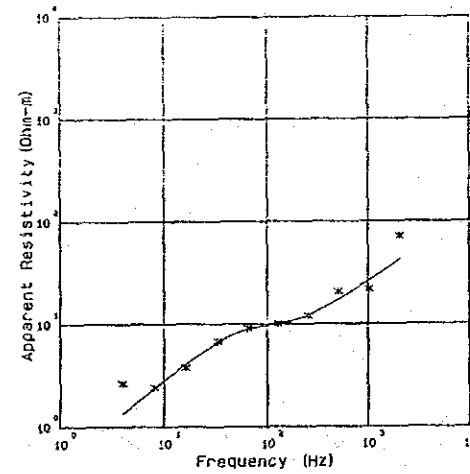
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	204	120	Rho (Ohm-m)	Thickness (m)
1024.0	134	138		
512.0	174	154	212.0	776.9
256.0	191	179		
128.0	198	212	10.5	Infinite
64.0	213	210		
32.0	159	162		
16.0	138	109		
8.0	79.2	71.1		
4.0	55.8	47.5		

MALAYSIA CSAMT No. 19



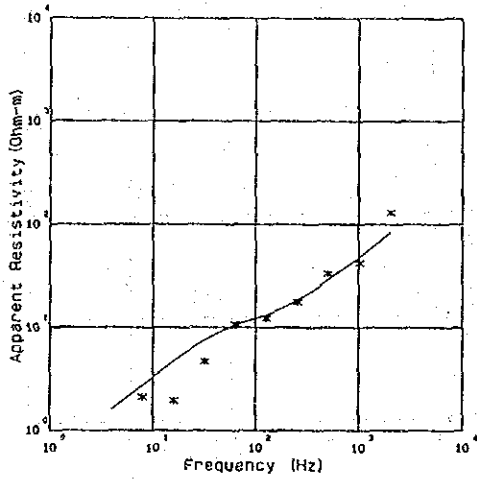
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	94.1	92.5	Rho (Ohm-m)	Thickness (m)
1024.0	82.9	85.3		
512.0	77.6	77.7	51.5	387.4
256.0	78.8	74.2		
128.0	76.7	77.3	1.5	Infinite
64.0	65.0	70.5		
32.0	94.1	50.8		
16.0	31.8	31.7		
8.0	42.7	19.2		
4.0	11.6	11.8		

MALAYSIA CSAMT No. 20



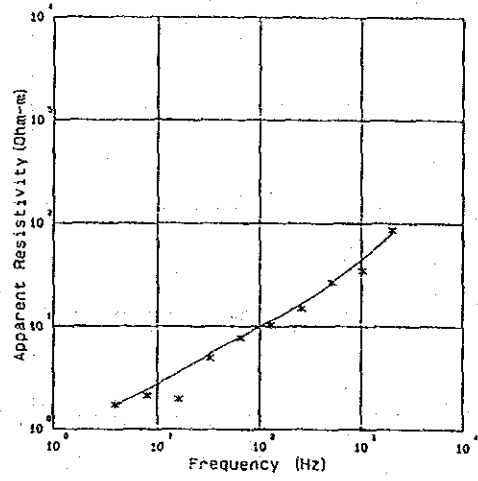
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	715	430	Rho (Ohm-m)	Thickness (m)
1024.0	216	266		
512.0	205	173	40.5	431.0
256.0	120	122		
128.0	100	101	.7	Infinite
64.0	91.1	89.8		
32.0	68.4	65.7		
16.0	37.6	40.7		
8.0	24.3	23.4		
4.0	26.0	13.4		

MALAYSIA CSAMT No. 21



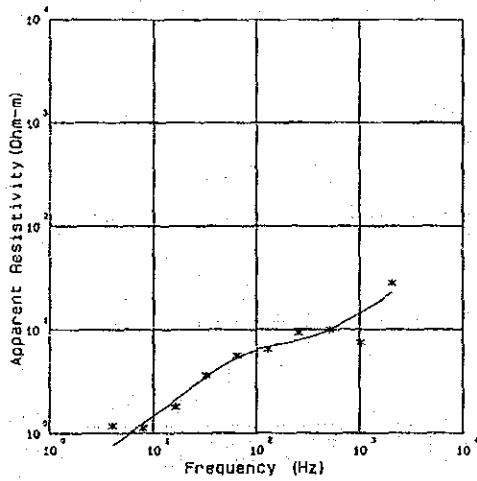
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	1300	844	3500.0	200.0
1024.0	424	487		
512.0	332	292	31.0	402.0
256.0	178	105		
128.0	123	133	1.0	Infinite
64.0	107	108		
32.0	46.7	75.9		
16.0	19.6	47.3		
8.0	21.2	27.5		
4.0	2.24	16.1		

MALAYSIA CSAMT No. 22



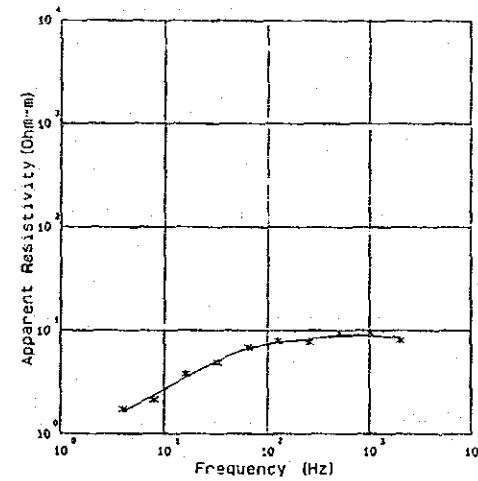
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	862	803	3190.0	200.0
1024.0	349	455		
512.0	269	285	23.6	261.0
256.0	148	165		
128.0	102	112	5.1	Infinite
64.0	77.0	79.3		
32.0	49.0	54.0		
16.0	19.7	35.9		
8.0	21.2	24.2		
4.0	17.3	17.0		

MALAYSIA CSAMT No. 23



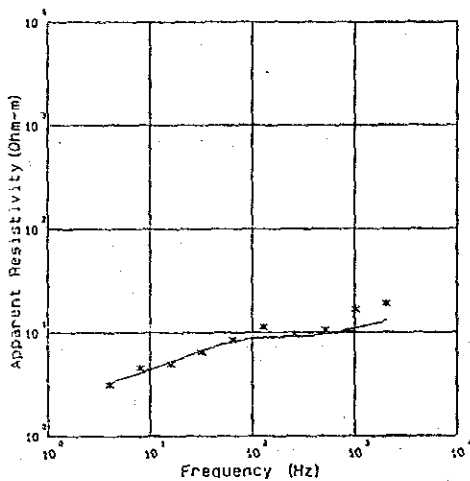
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	281	229	4610.0	85.6
1024.0	75.1	146		
512.0	101	100	30.0	281.0
256.0	92.5	78.8		
128.0	69.1	69.5	1.0	Infinite
64.0	56.1	53.2		
32.0	36.3	34.8		
16.0	17.8	20.9		
8.0	11.2	12.5		
4.0	11.8	7.68		

MALAYSIA CSAMT No. 24



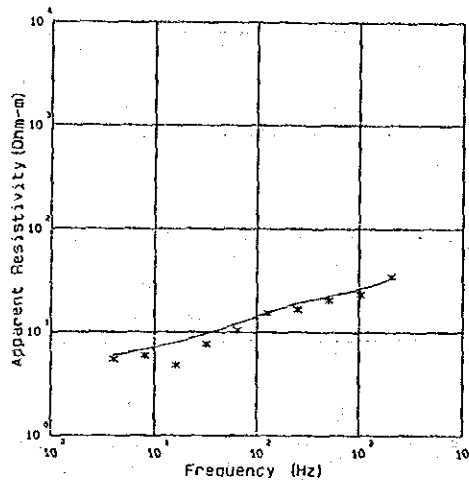
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	80.1	85.9	85.0	207.5
1024.0	85.0	89.5		
512.0	94.0	89.4	32.7	261.5
256.0	76.8	83.1		
128.0	79.0	77.0	1.4	Infinite
64.0	69.0	67.2		
32.0	49.2	51.1		
16.0	37.8	35.2		
8.0	21.4	23.8		
4.0	17.3	16.5		

MALAYSIA CSAMT No. 25



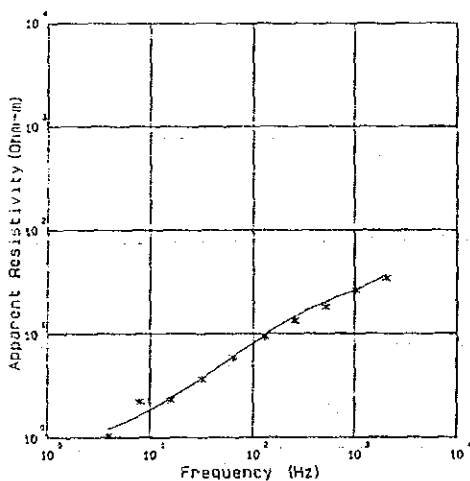
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	189	132	442.0	38.3
1024.0	156	110		
512.0	108	96.8	58.9	442.0
256.0	96.4	91.1		
128.0	113	89.4	17.3	Infinite
64.0	84.9	81.5		
32.0	64.7	66.9		
16.0	49.6	52.2		
8.0	45.7	40.8		
4.0	31.5	33.0		

MALAYSIA CSAMT No. 26



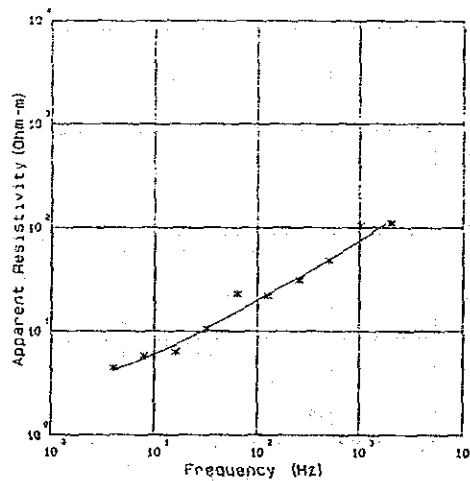
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	349	339	1200.0	80.0
1024.0	231	355		
512.0	203	225	122.0	300.0
256.0	156	191		
128.0	153	155	44.0	Infinite
64.0	194	122		
32.0	76.8	37.1		
16.0	47.9	79.6		
8.0	59.5	58.0		
4.0	55.0	50.2		

MALAYSIA CSAMT No. 27



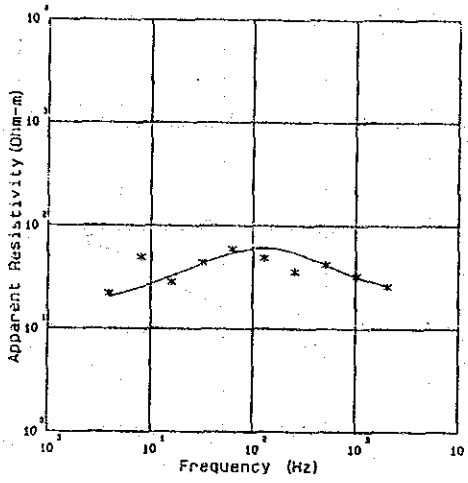
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	343	371	595.0	129.0
1024.0	263	267		
512.0	181	204	55.5	173.0
256.0	133	148		
128.0	93.8	96.6	4.6	Infinite
64.0	59.2	59.9		
32.0	36.7	37.3		
16.0	22.9	24.1		
8.0	22.2	16.5		
4.0	10.3	12.0		

MALAYSIA CSAMT No. 28



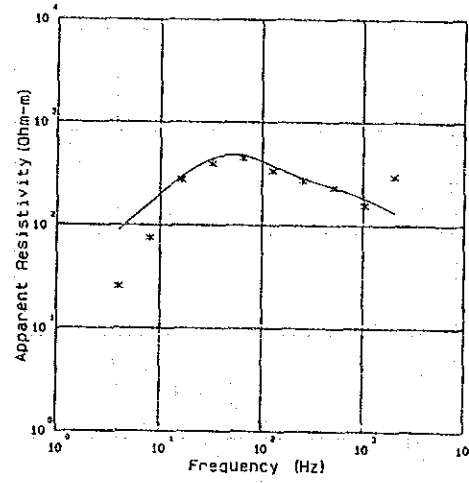
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	1100	1170	1400.0	272.0
1024.0	1050	765		
512.0	488	490	61.0	276.0
256.0	312	331		
128.0	220	228	20.0	Infinite
64.0	230	155		
32.0	107	108		
16.0	63.5	74.3		
8.0	56.3	54.4		
4.0	44.1	42.1		

MALAYSIA CSAMT No. 30



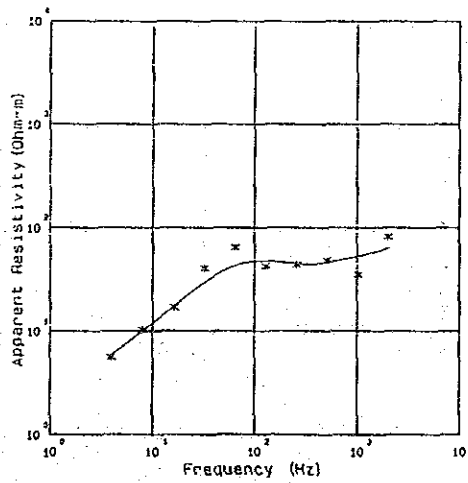
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	287	283	Rho (Ohm-m)	Thickness (a)
1024.0	323	319		
512.0	421	419	254.0	128.0
256.0	359	530	916.0	914.0
128.0	487	613		
64.0	595	590	109.0	Infinite
32.0	441	431		
16.0	285	326		
8.0	489	252		
4.0	219	203		

MALAYSIA CSAMT No. 31



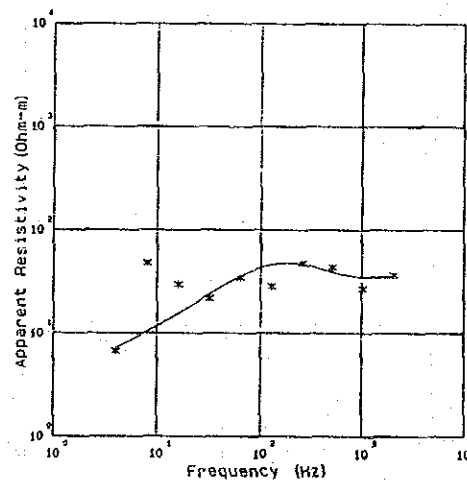
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	2970	1380	Rho (Ohm-m)	Thickness (a)
1024.0	1580	1930		
512.0	2310	2390	673.0	100.0
256.0	2720	2880	5000.0	4890.0
128.0	3390	3790		
64.0	4480	4800	13.0	Infinite
32.0	3930	4420		
16.0	2760	2840		
8.0	752	1680		
4.0	254	395		

MALAYSIA CSAMT No. 32



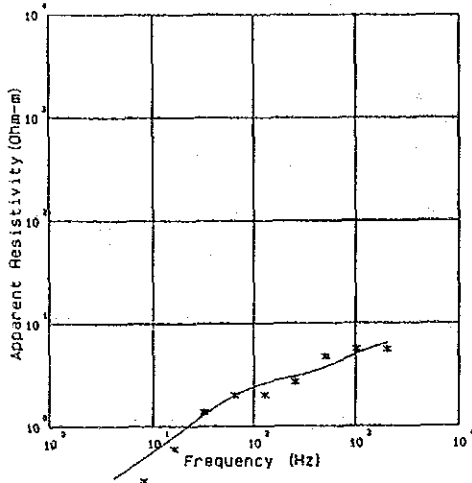
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	817	640	Rho (Ohm-m)	Thickness (a)
1024.0	392	534		
512.0	485	462	2500.0	83.0
256.0	437	448	329.0	1030.0
128.0	422	478		
64.0	644	430	3.8	Infinite
32.0	408	295		
16.0	169	175		
8.0	102	100		
4.0	55.0	57.8		

MALAYSIA CSAMT No. 33



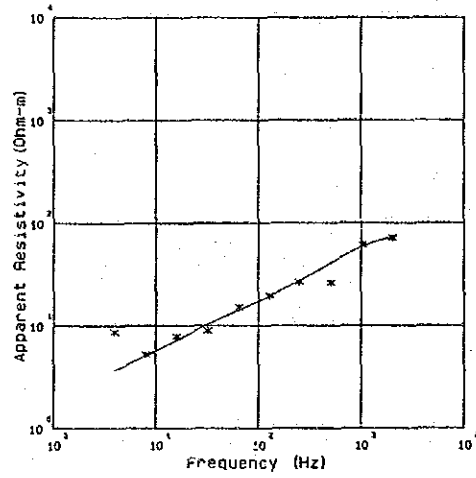
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	365	355	Rho (Ohm-m)	Thickness (a)
1024.0	270	353		
512.0	437	394	364.0	306.0
256.0	476	468	550.0	550.0
128.0	284	487		
64.0	347	391	22.0	Infinite
32.0	217	241		
16.0	296	156		
8.0	477	103		
4.0	67.2	72.3		

MALAYSIA CSAMT No. 34



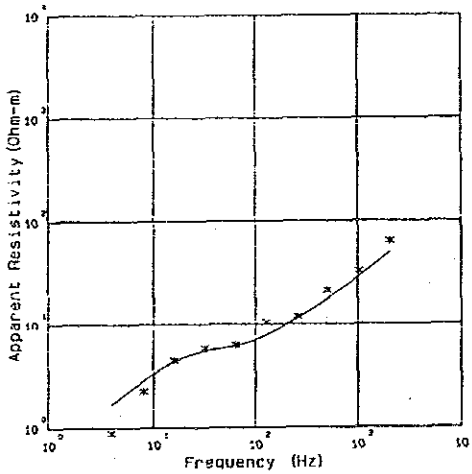
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	55.7	84.9	Rho (Ohm-m)	Thickness (m)
1024.0	56.2	50.8		
512.0	47.5	37.9	55.0	79.0
256.0	27.0	30.7	11.0	150.0
128.0	20.2	26.3		
64.0	20.1	20.0	.5	Infinite
32.0	13.8	13.1		
16.0	5.99	8.01		
8.0	2.95	4.93		
4.0	1.12	3.14		

MALAYSIA CSAMT No. 35



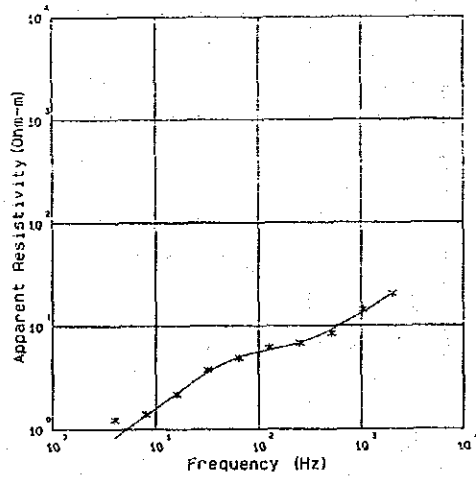
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	716	732	Rho (Ohm-m)	Thickness (m)
1024.0	641	581		
512.0	261	411	542.0	283.0
256.0	287	278	45.4	387.0
128.0	195	195		
64.0	151	143	12.9	Infinite
32.0	99.2	103		
16.0	78.7	72.2		
8.0	52.4	50.9		
4.0	87.1	37.1		

MALAYSIA CSAMT No. 36



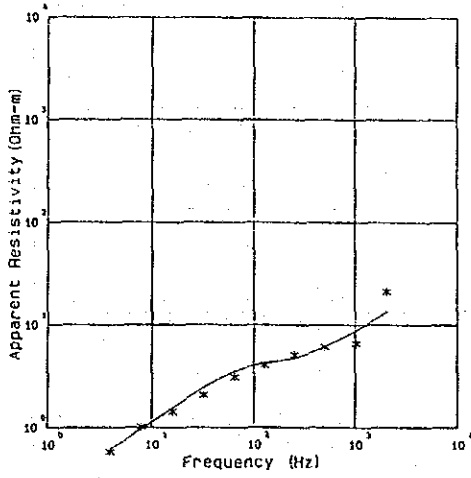
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	634	494	Rho (Ohm-m)	Thickness (m)
1024.0	324	288		
512.0	211	176	3460.0	148.0
256.0	118	113	24.5	528.0
128.0	103	78.4		
64.0	63.0	61.8	.5	Infinite
32.0	59.0	55.0		
16.0	44.9	43.7		
8.0	22.5	28.5		
4.0	8.91	16.8		

MALAYSIA CSAMT No. 37



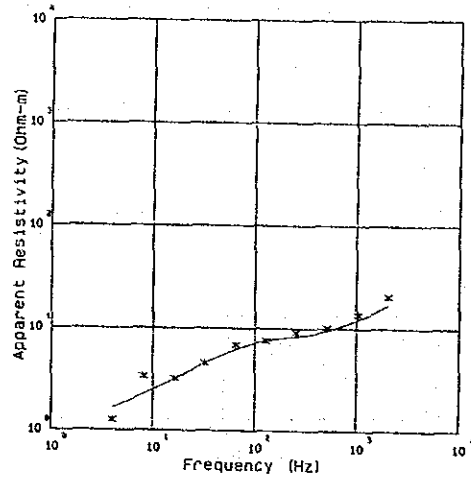
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	205	208	Rho (Ohm-m)	Thickness (m)
1024.0	143	135		
512.0	84.8	92.4	461.0	91.8
256.0	68.0	68.8	25.3	302.0
128.0	61.5	58.9		
64.0	49.2	50.0	1.0	Infinite
32.0	37.5	35.8		
16.0	21.7	22.5		
8.0	14.0	13.6		
4.0	12.4	8.34		

MALAYSIA CSAMT No. 38



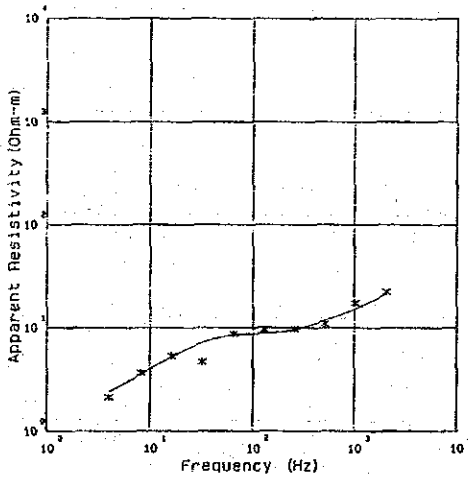
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	211	136	Rho (Ohm-m)	Thickness (m)
1024.0	55.9	88.9	2640.0	64.3
512.0	80.9	61.6		
256.0	50.9	48.0	20.0	250.0
128.0	40.7	42.4		
64.0	30.8	35.1	1.1	Infinite
32.0	20.7	24.6		
16.0	14.3	15.6		
8.0	10.2	9.68		
4.0	5.81	6.19		

MALAYSIA CSAMT No. 39



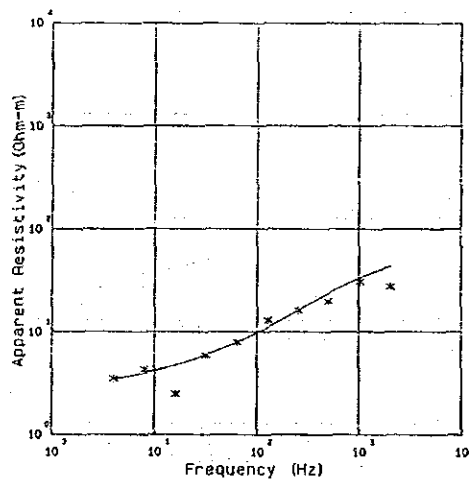
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	206	170	Rho (Ohm-m)	Thickness (m)
1024.0	137	122	4630.0	58.0
512.0	101	85.5		
256.0	91.8	83.7	46.7	327.0
128.0	75.8	76.1		
64.0	68.7	62.1	6.5	Infinite
32.0	45.7	45.2		
16.0	32.1	31.6		
8.0	33.3	22.4		
4.0	12.6	16.5		

MALAYSIA CSAMT No. 40



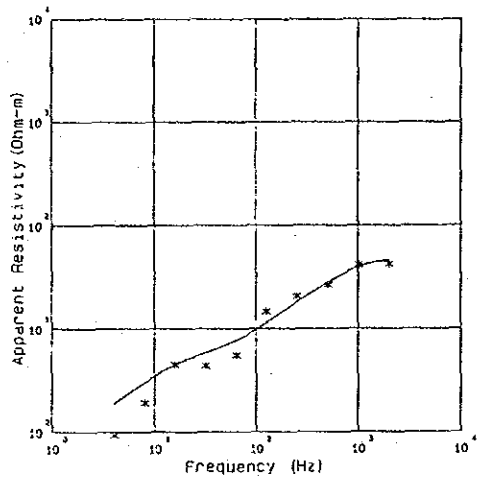
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	223	213	Rho (Ohm-m)	Thickness (m)
1024.0	174	153	2950.0	67.0
512.0	109	117		
256.0	97.8	98.3	56.4	542.0
128.0	95.8	88.5		
64.0	87.2	83.1	5.5	Infinite
32.0	46.9	72.0		
16.0	53.7	52.4		
8.0	36.8	35.6		
4.0	21.4	24.3		

MALAYSIA CSAMT No. 41



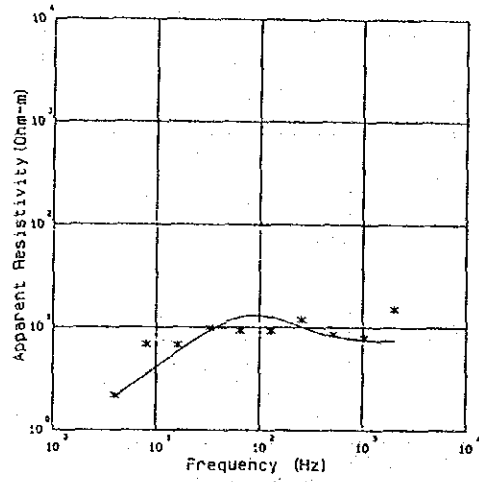
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	274	436	Rho (Ohm-m)	Thickness (m)
1024.0	305	336	433.0	161.0
512.0	197	237		
256.0	162	162	50.7	66.8
128.0	130	111		
64.0	78.9	79.4	24.9	Infinite
32.0	59.0	59.6		
16.0	24.8	47.4		
8.0	43.4	39.7		
4.0	35.2	34.8		

MALAYSIA CSAMT No. 42



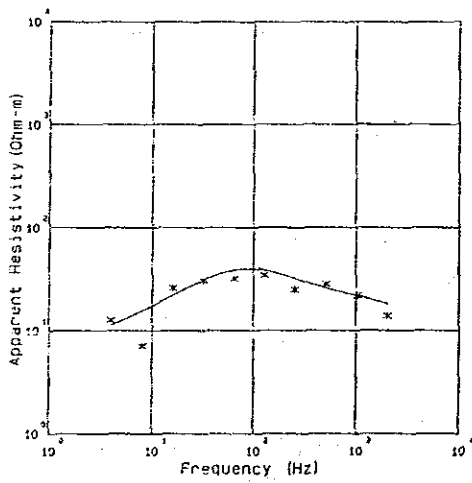
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	421	458	385.0	255.0
1024.0	414	400		
512.0	264	282	15.5	455.0
256.0	209	161		
128.0	146	114	1.0	Infinite
64.0	55.4	77.4		
32.0	43.7	59.9		
16.0	49.0	44.9		
8.0	19.3	30.3		
4.0	9.31	19.8		

MALAYSIA CSAMT No. 43



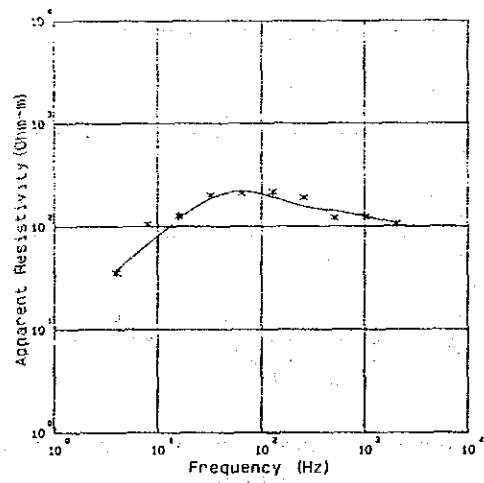
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	150	74.6	77.9	120.0
1024.0	79.5	76.4		
512.0	35.4	82.8	150.0	500.0
256.0	119	101		
128.0	92.7	127	2.5	Infinite
64.0	92.9	126		
32.0	98.8	92.8		
16.0	67.0	57.9		
8.0	68.3	34.7		
4.0	21.8	21.1		

MALAYSIA CSAMT No. 44



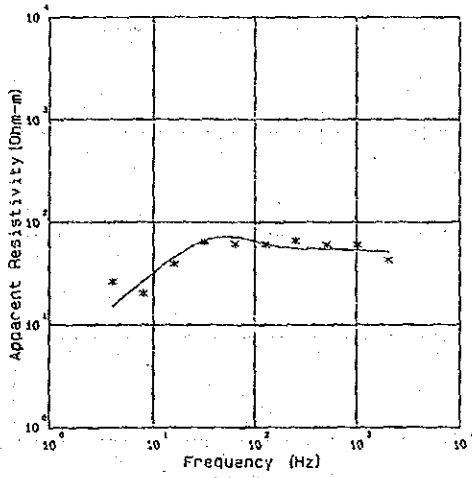
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	139	182	155.0	75.0
1024.0	217	219		
512.0	284	260	452.0	1000.0
256.0	242	322		
128.0	346	389	38.8	Infinite
64.0	317	387		
32.0	307	310		
16.0	259	222		
8.0	70.7	155		
4.0	128	113		

MALAYSIA CSAMT No. 45



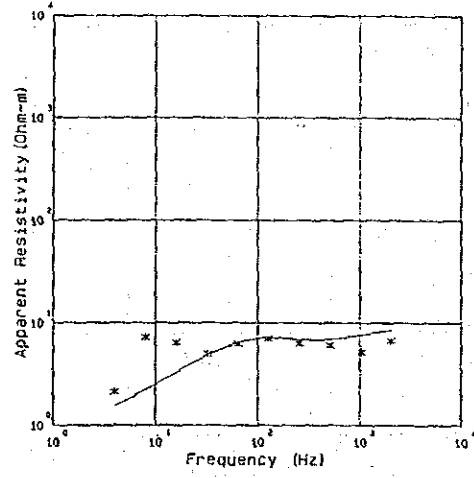
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	1060	1070	565.0	67.2
1024.0	1230	1250		
512.0	1200	1440	2000.0	3000.0
256.0	1900	1880		
128.0	2170	1930	9.6	Infinite
64.0	2090	2220		
32.0	2010	1870		
16.0	1250	1190		
8.0	1050	674		
4.0	353	372		

MALAYSIA CSAMT No. 46



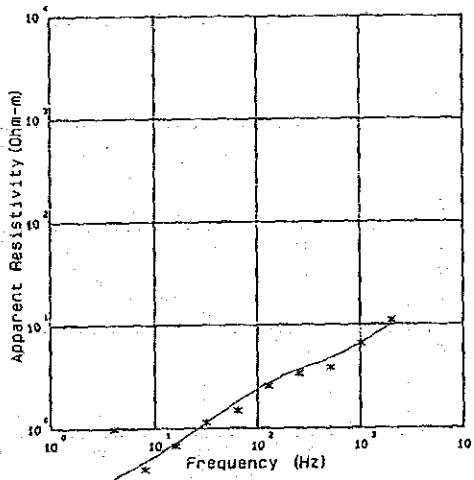
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	428	315	Rho (Ohm-m)	Thickness (a)
1024.0	503	537		
512.0	607	553	310.0	21.7
256.0	664	561	536.0	1940.0
128.0	603	821		
64.0	617	719	4.9	Infinite
32.0	648	686		
16.0	394	458	8.0	202
8.0	202	269		
4.0	265	152	4.0	265

MALAYSIA CSAMT No. 47



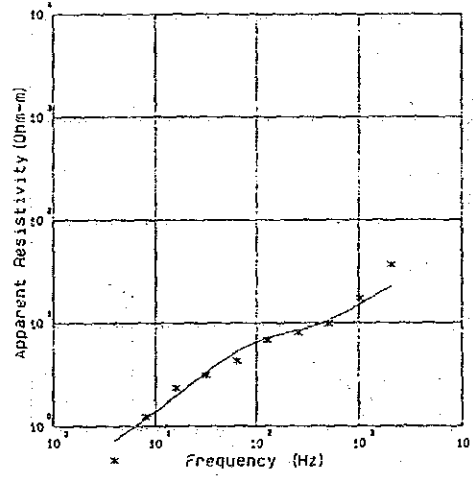
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	67.3	86.8	Rho (Ohm-m)	Thickness (a)
1024.0	51.8	76.6		
512.0	60.2	89.5	165.0	30.2
256.0	63.4	69.1	55.0	396.0
128.0	70.4	71.7		
64.0	62.4	64.7	4.5	Infinite
32.0	49.4	48.4		
16.0	64.2	33.0	8.0	72.3
8.0	72.3	22.2		
4.0	21.3	15.5	4.0	21.3

MALAYSIA CSAMT No. 48



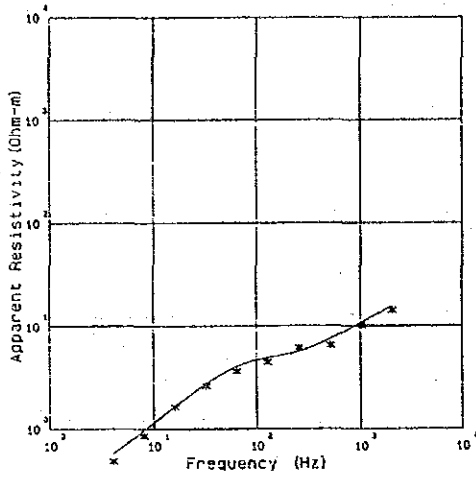
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	111	102	Rho (Ohm-m)	Thickness (a)
1024.0	69.9	67.2		
512.0	36.3	47.8	290.0	86.8
256.0	34.2	37.2	11.8	118.0
128.0	23.6	27.5		
64.0	14.8	19.2	1.0	Infinite
32.0	11.4	11.5		
16.0	6.78	7.24	8.0	3.98
8.0	3.98	4.78		
4.0	9.88	3.30	4.0	9.88

MALAYSIA CSAMT No. 49



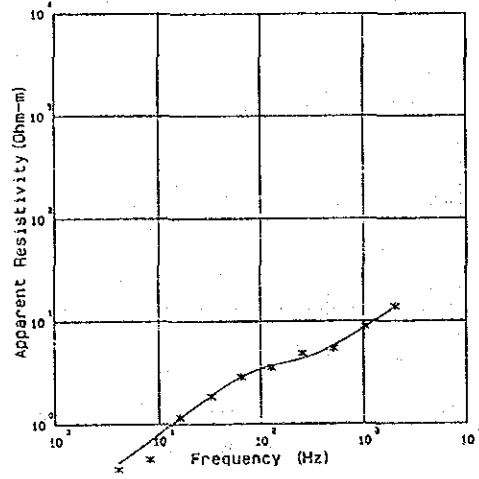
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	369	228	Rho (Ohm-m)	Thickness (a)
1024.0	173	153		
512.0	98.4	108	408.0	100.0
256.0	81.0	85.4	30.0	250.0
128.0	68.4	72.0		
64.0	42.7	52.6	1.0	Infinite
32.0	31.3	33.2		
16.0	23.6	19.7	8.0	12.3
8.0	12.3	11.7		
4.0	4.69	7.24	4.0	4.69

MALAYSIA CSAMT No. 50



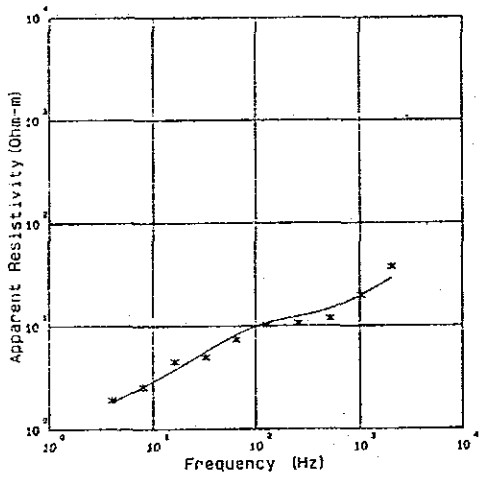
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
			Rho (Ohm-a)	Thickness (a)
2048.0	141	156	211.0	90.1
1024.0	100	108		
512.0	64.7	75.4	20.0	250.0
256.0	61.1	58.9		
128.0	44.3	49.3	.5	Infinite
64.0	36.2	40.5		
32.0	28.1	27.6		
16.0	16.4	16.5		
8.0	9.56	3.70		
4.0	4.86	5.75		

MALAYSIA CSAMT No. 51



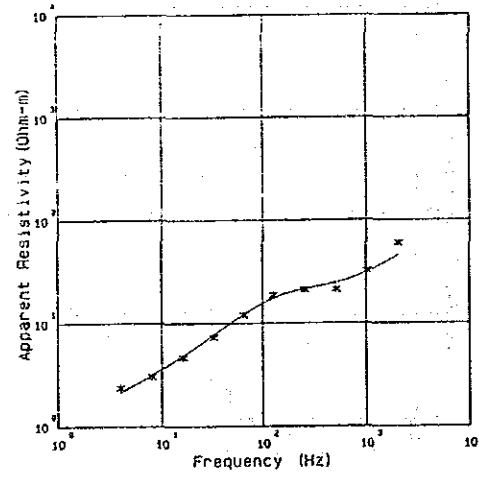
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
			Rho (Ohm-a)	Thickness (a)
2048.0	138	138	1370.0	70.1
1024.0	99.4	87.1		
512.0	54.3	57.8	14.9	204.0
256.0	49.7	43.6		
128.0	35.5	37.0	.5	Infinite
64.0	28.7	29.9		
32.0	18.6	19.0		
16.0	11.5	11.5		
8.0	4.55	6.83		
4.0	3.63	4.17		

MALAYSIA CSAMT No. 52



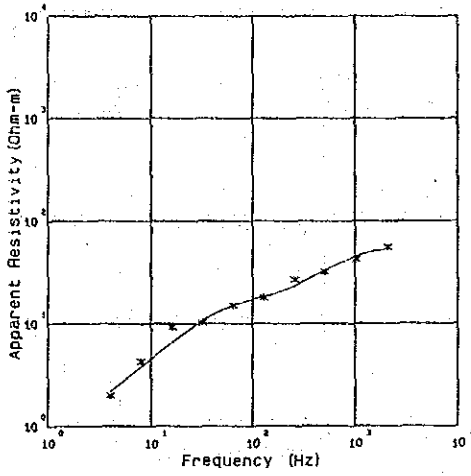
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
			Rho (Ohm-a)	Thickness (a)
2048.0	375	292	2090.0	89.2
1024.0	198	199		
512.0	118	147	57.8	338.0
256.0	106	124		
128.0	102	107	6.2	Infinite
64.0	73.2	82.1		
32.0	49.7	55.5		
16.0	45.1	37.7		
8.0	25.6	25.7		
4.0	19.2	18.4		

MALAYSIA CSAMT No. 53



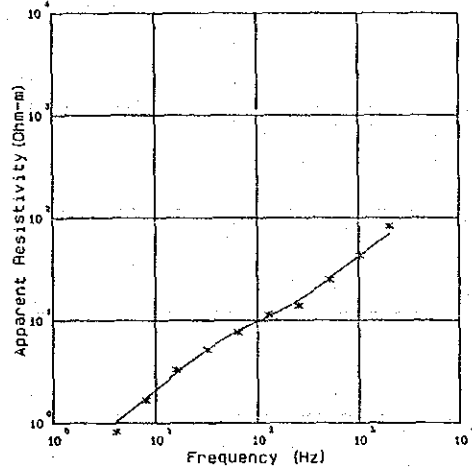
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
			Rho (Ohm-a)	Thickness (a)
2048.0	596	458	2820.0	109.0
1024.0	322	318		
512.0	211	248	100.0	390.0
256.0	211	216		
128.0	186	175	6.0	Infinite
64.0	119	122		
32.0	73.0	77.5		
16.0	46.5	48.7		
8.0	30.4	31.6		
4.0	23.7	21.6		

MALAYSIA CSAMT No. 54



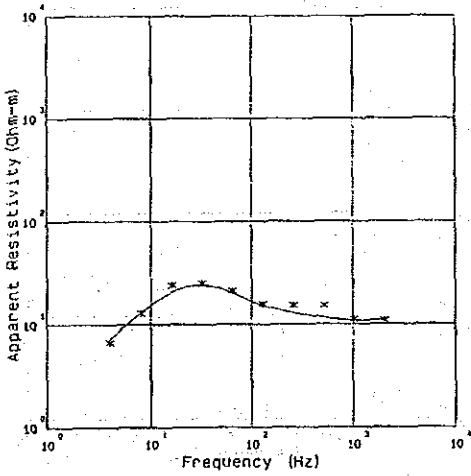
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	558	541	Rho (Ohm-m)	Thickness (m)
1024.0	423	455		
512.0	319	333	450.0	251.0
256.0	269	235	53.0	453.0
128.0	179	183		
64.0	150	150	1.3	Infinite
32.0	102	107		
16.0	92.0	65.7		
8.0	42.6	37.9		
4.0	20.0	21.8		

MALAYSIA CSAMT No. 55



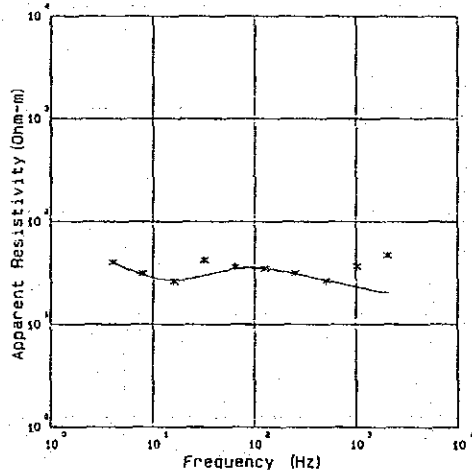
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	832	702	Rho (Ohm-m)	Thickness (m)
1024.0	432	430		
512.0	249	256	923.0	209.0
256.0	138	157	19.4	267.0
128.0	114	109		
64.0	76.2	79.1	.5	Infinite
32.0	51.9	51.9		
16.0	32.9	30.7		
8.0	18.7	17.6		
4.0	8.27	10.1		

MALAYSIA CSAMT No. 57



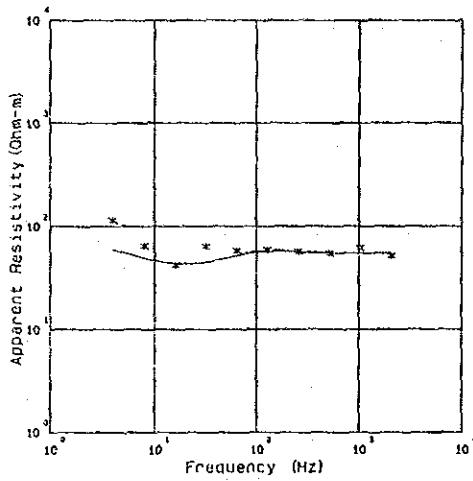
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	108	110	Rho (Ohm-m)	Thickness (m)
1024.0	111	109		
512.0	152	116	115.0	181.0
256.0	183	130	259.0	1281.0
128.0	158	153		
64.0	212	202	.5	Infinite
32.0	252	243		
16.0	241	207		
8.0	129	130		
4.0	67.2	72.6		

MALAYSIA CSAMT No. 58



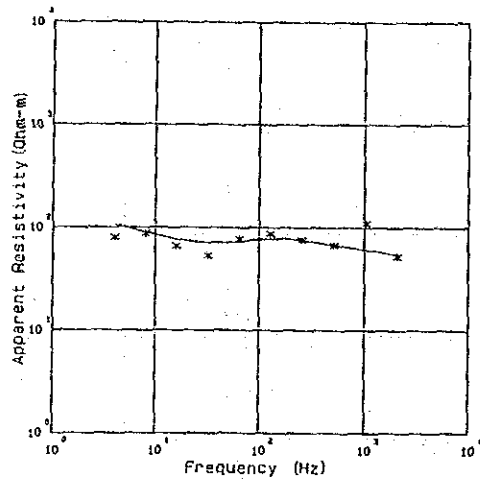
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	467	202	Rho (Ohm-m)	Thickness (m)
1024.0	358	230		
512.0	287	287	193.0	104.0
256.0	315	312	440.0	837.0
128.0	350	352		
64.0	382	349	232.0	1180.0
32.0	423	299		
16.0	252	270		
8.0	315	303		
4.0	403	409	3210.0	Infinite

MALAYSIA CSAMT No. 59



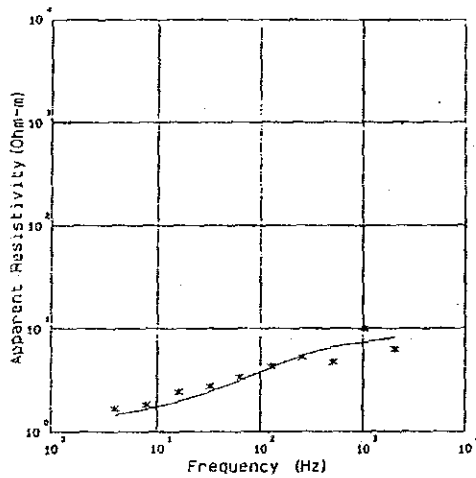
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	515	550	550.0	1300.0
1024.0	618	549		
512.0	545	548	229.0	600.0
256.0	589	565		
128.0	592	578	1550.0	Infinite
64.0	579	521		
32.0	540	449		
16.0	422	438		
8.0	647	490		
4.0	1150	598		

MALAYSIA CSAMT No. 60



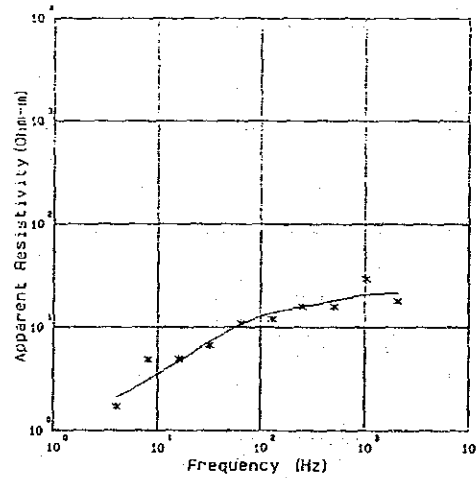
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	526	546	450.0	100.0
1024.0	1110	613		
512.0	675	678	900.0	1550.0
256.0	762	788		
128.0	977	788	150.0	150.0
64.0	775	737		
32.0	533	714		
16.0	856	771		
8.0	872	899		
4.0	799	1060	2000.0	Infinite

MALAYSIA CSAMT No. 61



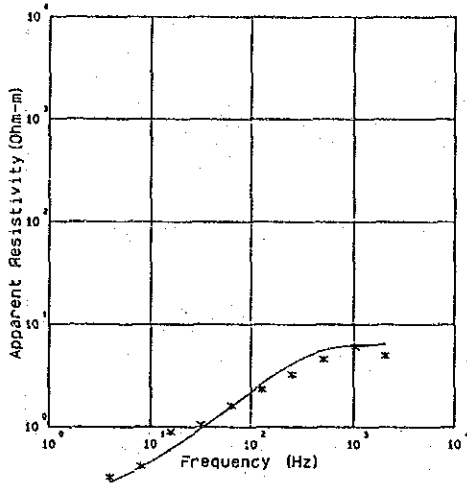
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	63.0	82.9	105.0	51.0
1024.0	100	74.1		
512.0	47.2	66.2	40.2	125.0
256.0	52.7	54.6		
128.0	42.8	41.9	10.5	Infinite
64.0	33.7	31.6		
32.0	27.6	24.4		
16.0	24.3	19.7		
8.0	18.4	16.8		
4.0	16.8	14.6		

MALAYSIA CSAMT No. 62



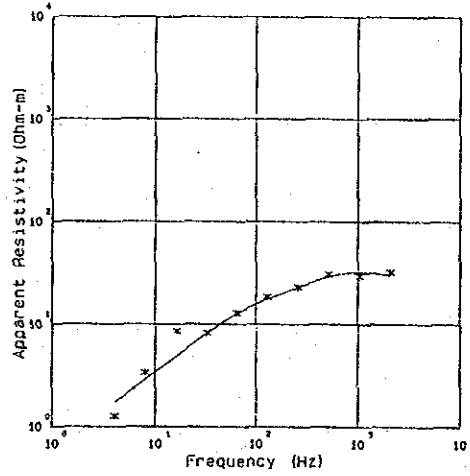
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	179	215	200.0	204.0
1024.0	298	209		
512.0	158	182	58.5	300.0
256.0	157	159		
128.0	119	138	5.8	Infinite
64.0	108	108		
32.0	66.8	72.3		
16.0	49.1	46.9		
8.0	48.6	30.8		
4.0	17.0	21.2		

MALAYSIA CSAMT No. 63



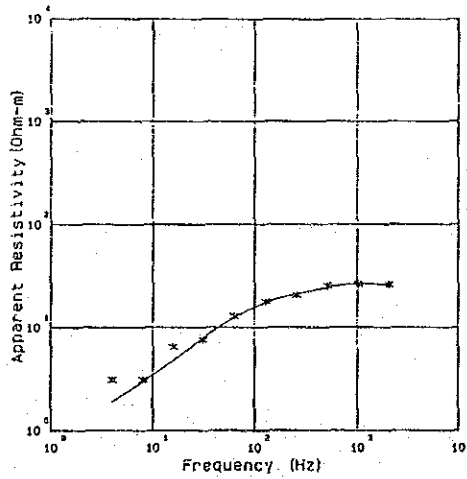
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	49.8	65.7	Rho (Ohm-m)	Thickness (a)
1024.0	61.0	83.1		
512.0	48.0	56.8	55.0	72.1
256.0	32.5	41.8	24.5	91.6
128.0	23.3	26.4		
64.0	16.2	15.9	1.0	Infinite
32.0	10.5	9.83		
16.0	8.96	6.07		
8.0	4.17	4.04		
4.0	3.23	2.98		

MALAYSIA CSAMT No. 64



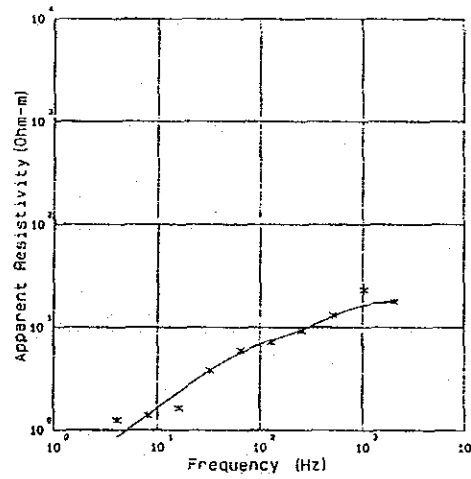
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	322	303	Rho (Ohm-m)	Thickness (a)
1024.0	295	325		
512.0	308	295	284.0	316.0
256.0	230	230	30.4	259.0
128.0	184	178		
64.0	129	126	2.0	Infinite
32.0	82.4	81.3		
16.0	86.5	48.7		
8.0	33.7	26.8		
4.0	12.7	17.5		

MALAYSIA CSAMT No. 65



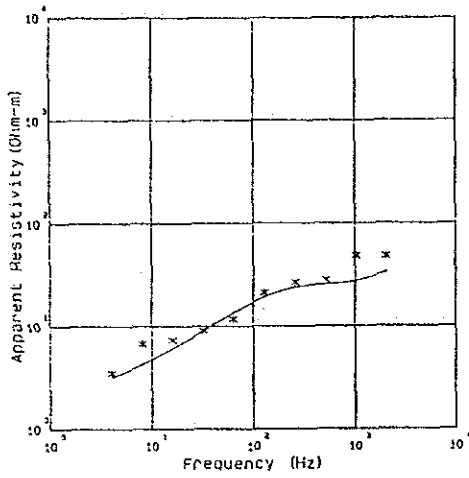
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	258	297	Rho (Ohm-m)	Thickness (a)
1024.0	283	289		
512.0	253	246	243.0	282.0
256.0	206	212	49.2	254.0
128.0	177	175		
64.0	128	125	3.5	Infinite
32.0	75.7	79.5		
16.0	61.4	48.4		
8.0	31.1	29.8		
4.0	30.8	19.1		

MALAYSIA CSAMT No. 66



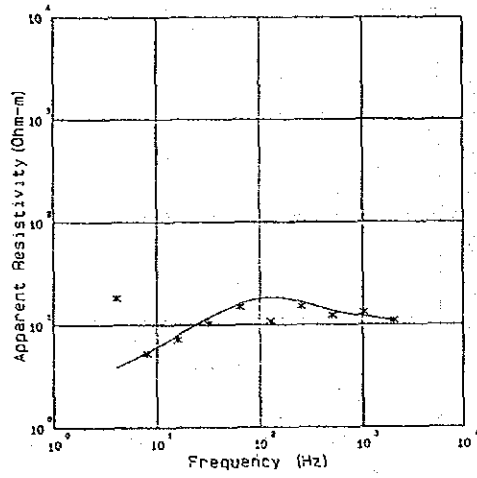
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	177	178	Rho (Ohm-m)	Thickness (a)
1024.0	232	165		
512.0	132	129	157.0	170.0
256.0	92.8	95.1	19.5	229.0
128.0	71.5	74.8		
64.0	59.8	57.2	1.0	Infinite
32.0	38.7	38.3		
16.0	16.4	23.4		
8.0	13.9	14.0		
4.0	12.4	8.59		

MALAYSIA CSAMT No. 67



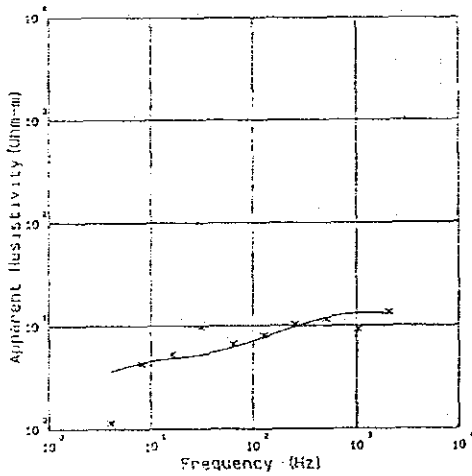
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	477	339	ρ ₀ (Ohm-m)	Thickness (s)
1024.0	483	277		
512.0	279	256	911.0	75.6
256.0	265	239	ρ ₀ (Ohm-m)	Thickness (s)
128.0	211	192		
64.0	117	134	193.0	399.0
32.0	90.9	99.7	13.5	Infinite
16.0	73.2	60.5		
8.0	57.6	42.8		
4.0	35.1	32.0		

MALAYSIA CSAMT No. 70



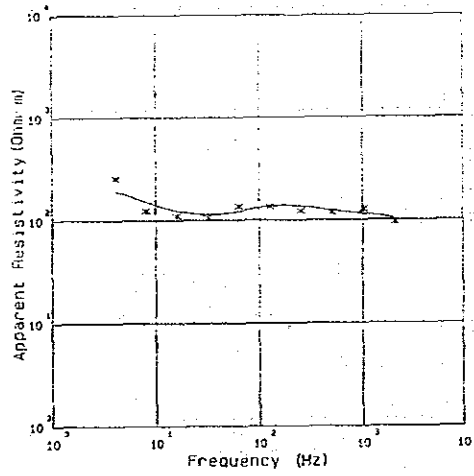
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	110	109	ρ ₀ (Ohm-m)	Thickness (s)
1024.0	132	121		
512.0	123	138	101.0	65.6
256.0	151	167	ρ ₀ (Ohm-m)	Thickness (s)
128.0	108	185		
64.0	149	161	193.0	554.0
32.0	102	117	12.7	Infinite
16.0	71.3	79.3		
8.0	52.5	54.1		
4.0	183	19.5		

MALAYSIA CSAMT No. 71



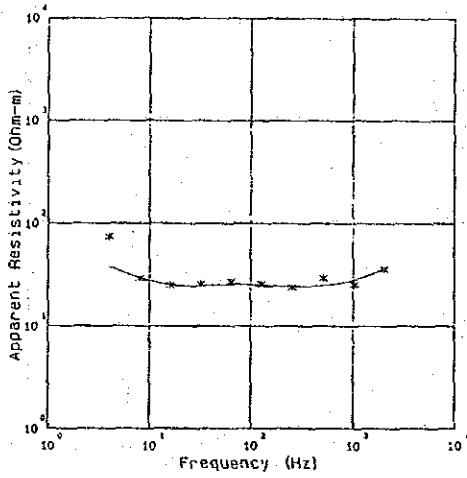
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	136	131	ρ ₀ (Ohm-m)	Thickness (s)
1024.0	91.5	133		
512.0	115	119	123.0	183.0
256.0	102	97.8	ρ ₀ (Ohm-m)	Thickness (s)
128.0	81.0	77.5		
64.0	67.1	62.3	31.1	900.0
32.0	97.4	52.9	8.6	Infinite
16.0	52.7	48.4		
8.0	43.0	43.7		
4.0	11.5	36.2		

MALAYSIA CSAMT No. 72



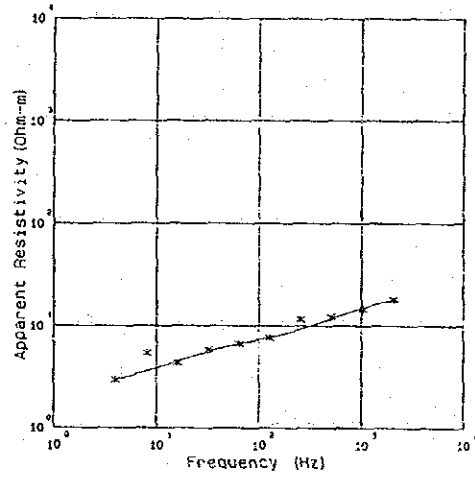
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	954	1040	ρ ₀ (Ohm-m)	Thickness (s)
1024.0	1260	1140		
512.0	1170	1230	778.0	33.4
256.0	1230	1360	ρ ₀ (Ohm-m)	Thickness (s)
128.0	1380	1370		
64.0	1360	1220	1500.0	1890.0
32.0	1050	1140	501.0	600.0
16.0	1100	1240		
8.0	1240	1530		
4.0	2580	1940		
			5000.0	Infinite

MALAYSIA CSAMT No. 73



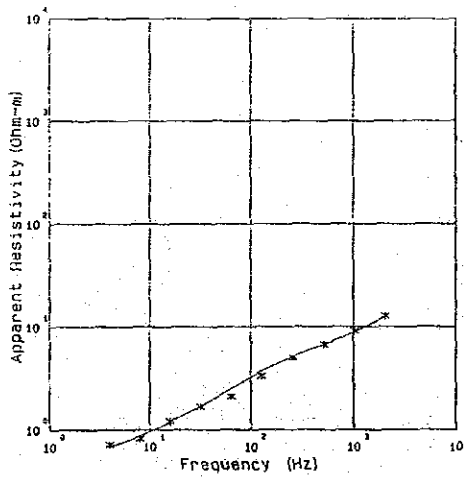
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	361	367	Rho (Ohm-m)	Thickness (m)
1024.0	255	294		
512.0	294	250	800.0	110.0
256.0	238	243	Rho (Ohm-m)	Thickness (m)
128.0	257	250		
64.0	272	265	100.0	80.0
32.0	255	247	Rho (Ohm-m)	Thickness (m)
16.0	249	252		
8.0	291	295	300.0	2000.0
4.0	746	380	1500.0	Infinite

MALAYSIA CSAMT No. 74



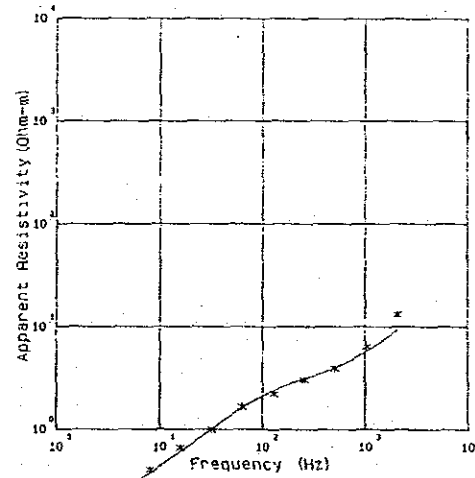
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	181	191	Rho (Ohm-m)	Thickness (m)
1024.0	145	151		
512.0	123	118	174.0	127.0
256.0	115	92.9	Rho (Ohm-m)	Thickness (m)
128.0	76.4	77.5		
64.0	66.8	68.9	39.3	386.0
32.0	58.5	55.8	Rho (Ohm-m)	Thickness (m)
16.0	43.3	45.0		
8.0	54.2	36.1	15.8	Infinite
4.0	29.5	29.5		

MALAYSIA CSAMT No. 75



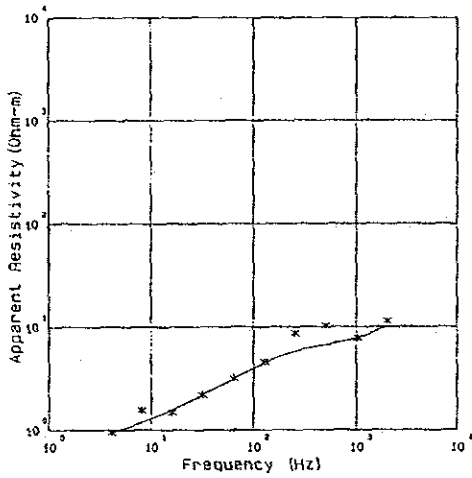
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	127	128	Rho (Ohm-m)	Thickness (m)
1024.0	91.4	89.5		
512.0	67.1	67.4	191.0	78.1
256.0	50.4	51.7	Rho (Ohm-m)	Thickness (m)
128.0	33.0	37.1		
64.0	21.0	25.2	18.9	120.0
32.0	16.8	17.1	Rho (Ohm-m)	Thickness (m)
16.0	12.2	11.9		
8.0	8.25	8.79	3.4	Infinite
4.0	7.20	6.88		

MALAYSIA CSAMT No. 76



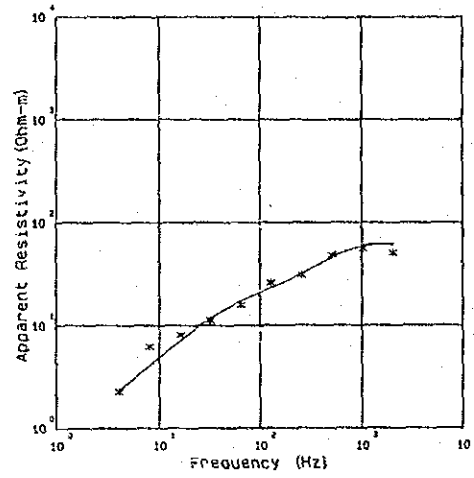
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	131	93.0	Rho (Ohm-m)	Thickness (m)
1024.0	63.6	58.2		
512.0	39.3	39.9	652.0	58.0
256.0	30.3	31.2	Rho (Ohm-m)	Thickness (m)
128.0	22.4	24.1		
64.0	16.6	16.3	9.9	125.0
32.0	9.98	10.1	Rho (Ohm-m)	Thickness (m)
16.0	6.64	6.09		
8.0	4.07	3.78	.5	Infinite
4.0	1.87	2.46		

MALAYSIA CSAMT No. 77



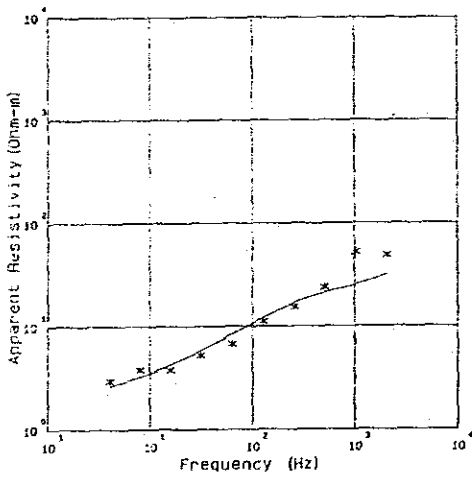
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
			ρ_{ho} (Ohm-m)	Thickness (a)
2048.0	113	102		
1024.0	77.5	78.6		
512.0	102	67.3	550.0	44.6
256.0	66.8	57.8		
128.0	43.8	44.6		
64.0	31.6	31.6	33.3	173.0
32.0	22.0	22.0		
16.0	14.9	15.8	5.0	Infinite
8.0	15.8	11.9		
4.0	9.48	9.43		

MALAYSIA CSAMT No. 78



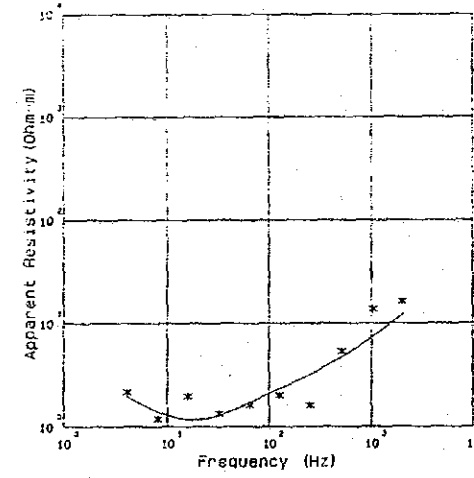
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
			ρ_{ho} (Ohm-m)	Thickness (a)
2048.0	505	621		
1024.0	553	594		
512.0	481	482	539.0	339.0
256.0	310	320		
128.0	258	231		
64.0	157	173	42.0	388.0
32.0	111	117		
16.0	30.4	70.7	1.5	Infinite
8.0	52.2	40.8		
4.0	22.7	23.6		

MALAYSIA CSAMT No. 79



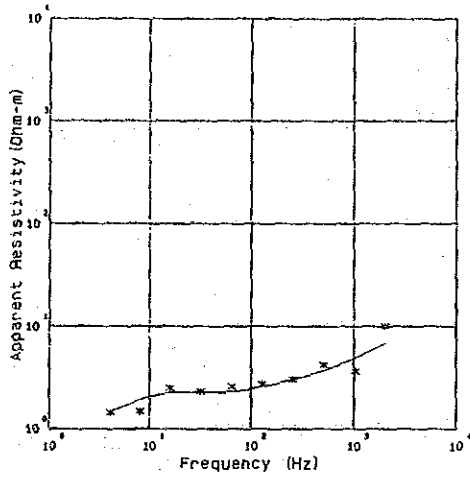
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
			ρ_{ho} (Ohm-m)	Thickness (a)
2048.0	489	325		
1024.0	519	253		
512.0	239	212	705.0	95.0
256.0	153	169		
128.0	110	121	35.0	235.0
64.0	67.2	83.9		
32.0	52.2	58.3		
16.0	37.7	42.5	15.0	Infinite
8.0	37.9	32.6		
4.0	29.5	28.5		

MALAYSIA CSAMT No. 81



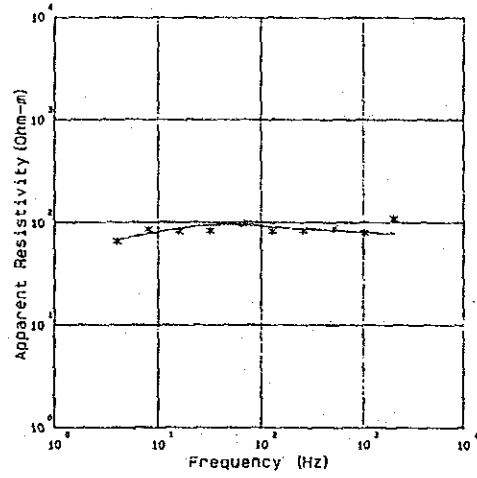
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
			ρ_{ho} (Ohm-m)	Thickness (a)
2048.0	163	123		
1024.0	137	74.2		
512.0	53.3	47.2	1500.0	70.0
256.0	16.1	32.0		
128.0	20.1	23.3	9.0	310.0
64.0	16.1	17.1		
32.0	13.4	12.8		
16.0	19.8	11.7	148.0	Infinite
8.0	11.9	14.0		
4.0	21.6	19.6		

MALAYSIA CSAMT No. 83



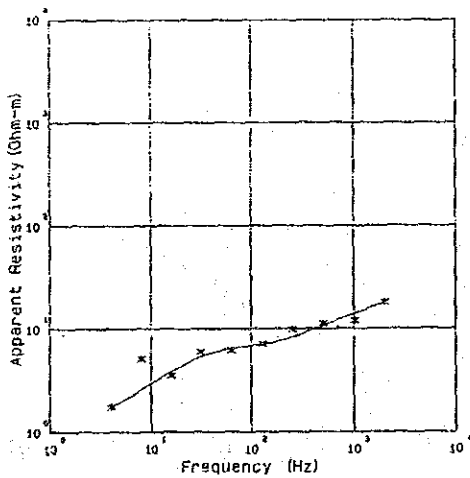
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	100	69.3	Rho (Ohm-m)	Thickness (m)
1024.0	35.6	49.4		
512.0	42.3	37.8	687.0	33.5
256.0	30.3	30.5	17.3	569.0
128.0	27.3	25.8		
64.0	25.8	23.2	2.5	Infinite
32.0	23.2	22.9		
16.0	24.8	22.5		
8.0	14.8	19.3		
4.0	14.5	14.5		

MALAYSIA CSAMT No. 84



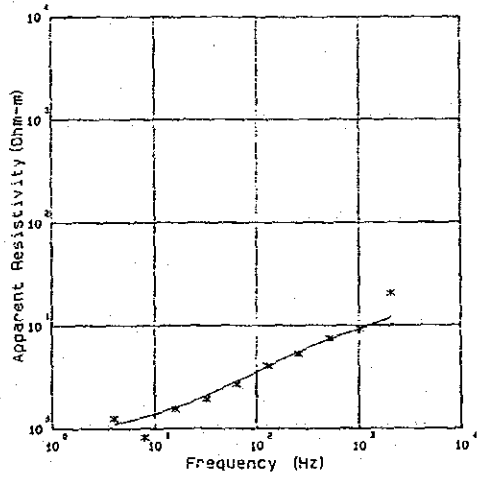
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	1080	775	Rho (Ohm-m)	Thickness (m)
1024.0	791	806		
512.0	874	838	759.0	190.0
256.0	834	866	856.0	2290.0
128.0	822	908		
64.0	971	954	438.0	Infinite
32.0	831	930		
16.0	823	977		
8.0	853	776		
4.0	654	682		

MALAYSIA CSAMT No. 85



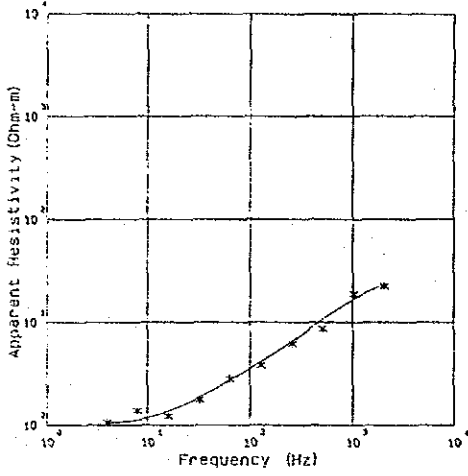
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	181	179	Rho (Ohm-m)	Thickness (m)
1024.0	119	141		
512.0	112	108	184.0	113.0
256.0	99.1	83.5	35.9	420.0
128.0	71.2	71.1		
64.0	61.7	64.9	3.5	Infinite
32.0	59.6	53.9		
16.0	35.4	36.7		
8.0	51.2	25.9		
4.0	17.5	17.4		

MALAYSIA CSAMT No. 86



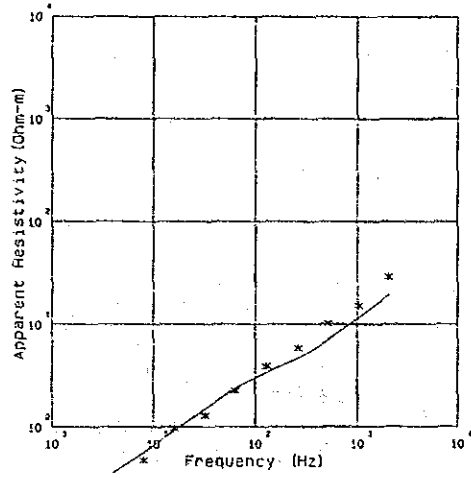
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	205	121	Rho (Ohm-m)	Thickness (m)
1024.0	92.8	83.2		
512.0	75.3	73.6	199.0	67.3
256.0	63.2	55.7	28.7	112.0
128.0	40.7	40.1		
64.0	26.7	28.5	7.2	Infinite
32.0	19.3	20.9		
16.0	15.4	16.0		
8.0	8.15	13.0		
4.0	12.5	11.0		

MALAYSIA CSAMT No. 87



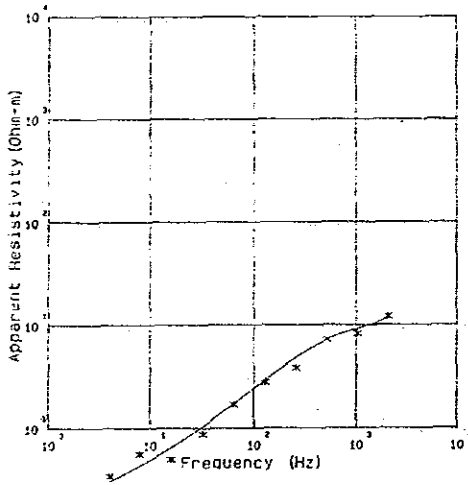
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
			Rho (Ohm-m)	Thickness (a)
2048.0	224	233	299.0	146.0
1024.0	197	168		
512.0	88.2	106	5.3	330.0
256.0	61.5	65.7		
128.0	38.0	41.4	15.3	Infinite
64.0	28.2	27.4		
32.0	17.6	18.8		
16.0	12.2	13.7		
8.0	14.0	11.3		
4.0	10.5	10.6		

MALAYSIA CSAMT No. 88



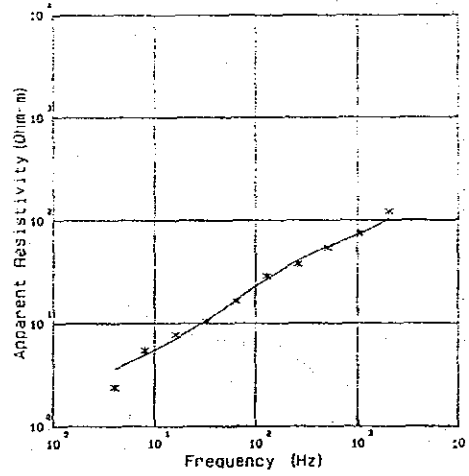
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
			Rho (Ohm-m)	Thickness (a)
2048.0	288	194	384.0	101.0
1024.0	151	116		
512.0	100	70.5	8.0	135.0
256.0	57.9	46.6		
128.0	38.7	33.7	6	Infinite
64.0	22.5	23.5		
32.0	13.8	15.0		
16.0	9.64	3.13		
8.0	4.72	3.61		
4.0	2.50	3.59		

MALAYSIA CSAMT No. 89



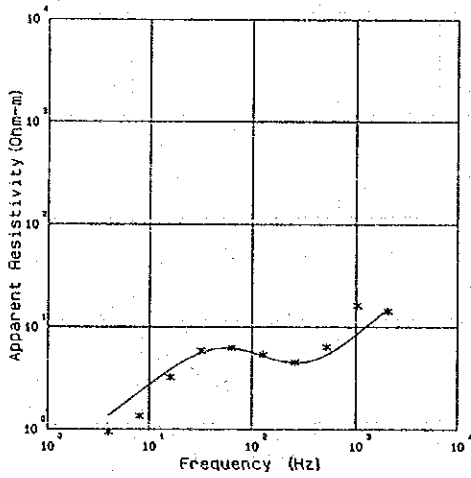
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
			Rho (Ohm-m)	Thickness (a)
2048.0	120	116	365.0	58.0
1024.0	91.9	92.5		
512.0	72.1	72.1	23.0	163.0
256.0	39.1	48.3		
128.0	27.6	29.3	1.0	Infinite
64.0	16.9	17.3		
32.0	8.70	10.4		
16.0	4.38	6.50		
8.0	5.64	4.31		
4.0	3.42	3.08		

MALAYSIA CSAMT No. 90



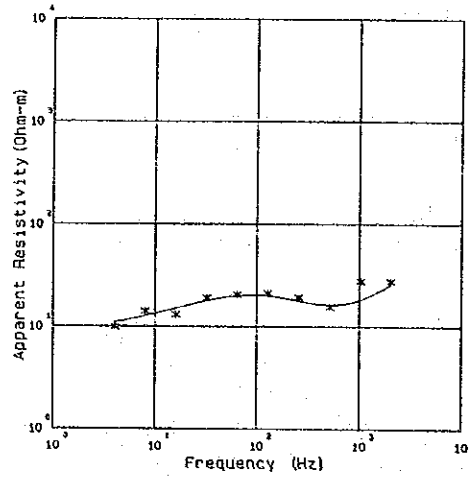
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
			Rho (Ohm-m)	Thickness (a)
2048.0	1210	1040	2250.0	200.0
1024.0	744	733		
512.0	538	559	150.0	304.0
256.0	375	407		
128.0	287	289	15.0	Infinite
64.0	184	189		
32.0	104	107		
16.0	78.0	70.7		
8.0	54.3	49.2		
4.0	24.0	36.5		

MALAYSIA CSAMT No. 93



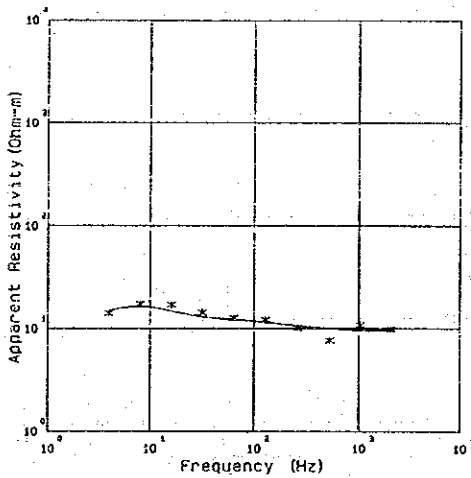
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	142	153	Rho (Ohm-m)	Thickness (m)
1024.0	162	85.5	800.0	80.0
512.0	63.9	53.7		
256.0	45.3	44.9	12.0	60.0
128.0	53.7	52.4		
64.0	62.7	62.6	300.0	400.0
32.0	58.6	56.5		
16.0	32.2	38.5		
8.0	13.5	23.2		
4.0	9.50	13.7	1.0	Infinite

MALAYSIA CSAMT No. 94



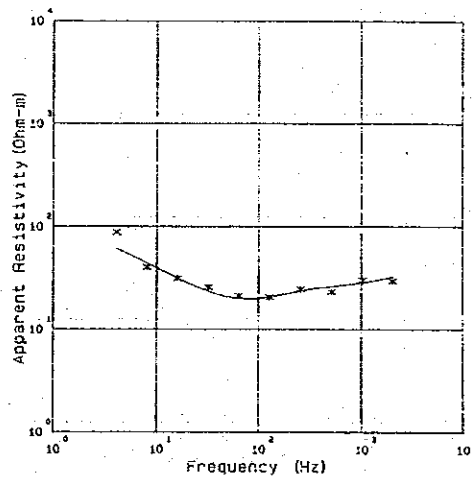
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	276	260	Rho (Ohm-m)	Thickness (m)
1024.0	278	164	1000.0	105.0
512.0	155	163		
256.0	193	178	30.0	35.0
128.0	212	200		
64.0	205	201	321.0	557.0
32.0	190	179		
16.0	130	150		
8.0	141	127		
4.0	98.8	108	72.1	Infinite

MALAYSIA CSAMT No. 95



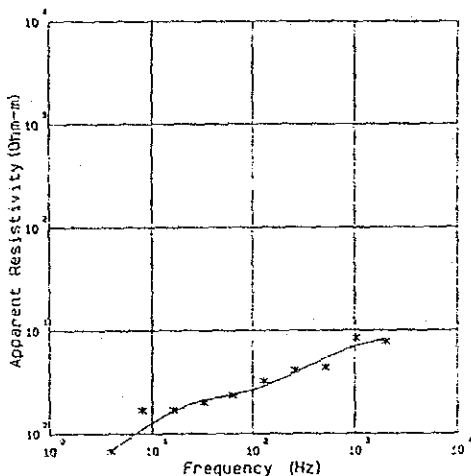
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	99.0	96.2	Rho (Ohm-m)	Thickness (m)
1024.0	108	95.0	98.5	159.7
512.0	76.6	99.7		
256.0	100	106	152.0	2552.1
128.0	122	115		
64.0	127	129		
32.0	143	130		
16.0	170	148		
8.0	174	165		
4.0	141	149	9.6	Infinite

MALAYSIA CSAMT No. 96



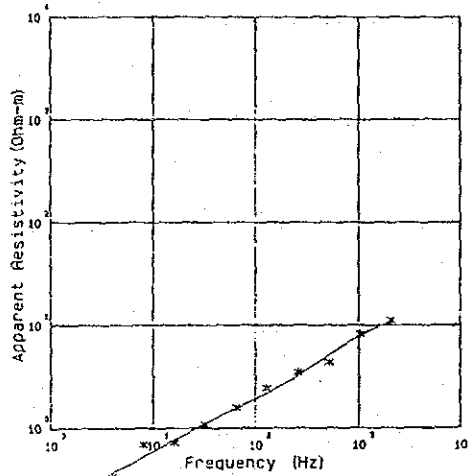
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	296	324	Rho (Ohm-m)	Thickness (m)
1024.0	303	285	1310.0	44.8
512.0	231	251		
256.0	246	237	206.0	890.0
128.0	205	207		
64.0	212	199		
32.0	257	234		
16.0	313	316		
8.0	403	444		
4.0	883	611	1950.0	Infinite

MALAYSIA CSAMT No. 97



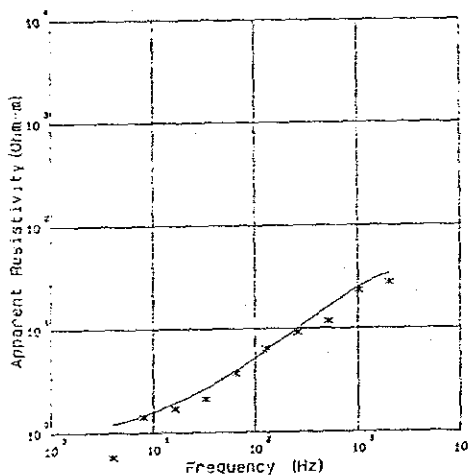
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	78.1	81.5	72.5	102.0
1024.0	84.2	71.2		
512.0	43.4	54.3	10.1	302.0
256.0	41.2	39.4		
128.0	32.7	29.0	.5	Infinite
64.0	23.8	24.0		
32.0	20.0	21.2		
16.0	17.0	16.5		
8.0	16.9	11.0		
4.0	6.78	6.90		

MALAYSIA CSAMT No. 98



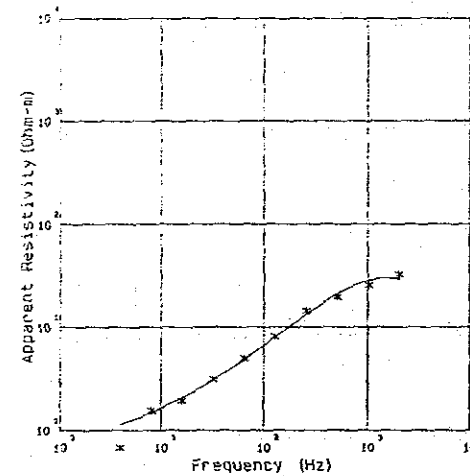
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	112	107	97.0	100.0
1024.0	81.9	79.8		
512.0	43.7	51.8	4.0	134.0
256.0	34.8	32.8		
128.0	24.5	21.8	1.1	Infinite
64.0	15.9	15.3		
32.0	10.8	11.1		
16.0	7.25	7.70		
8.0	6.92	5.29		
4.0	3.38	3.73		

MALAYSIA CSAMT No. 99



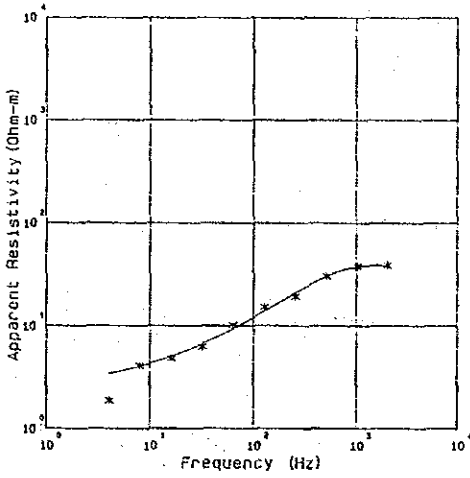
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	278	344	316.0	171.0
1024.0	234	254		
512.0	117	163	15.6	37.5
256.0	91.4	100		
128.0	64.4	61.8	7.0	Infinite
64.0	37.2	39.5		
32.0	21.1	26.7		
16.0	17.0	19.2		
8.0	14.1	14.7		
4.0	5.74	12.0		

MALAYSIA CSAMT No. 100



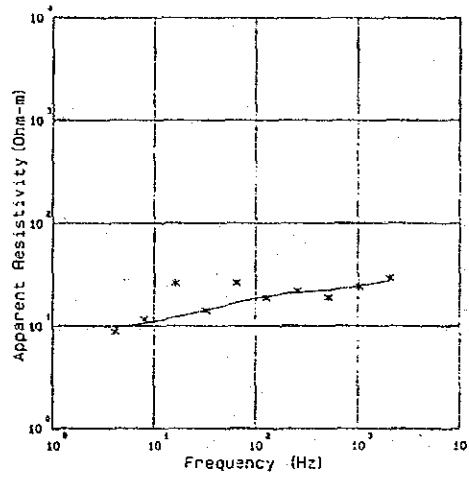
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	325	296	248.0	238.0
1024.0	255	287		
512.0	196	212	5.4	Infinite
256.0	142	133		
128.0	80.6	79.9		
64.0	50.3	48.5		
32.0	31.8	30.8		
16.0	19.4	20.7		
8.0	15.5	14.9		
4.0	6.78	11.4		

MALAYSIA CSAMT No. 101



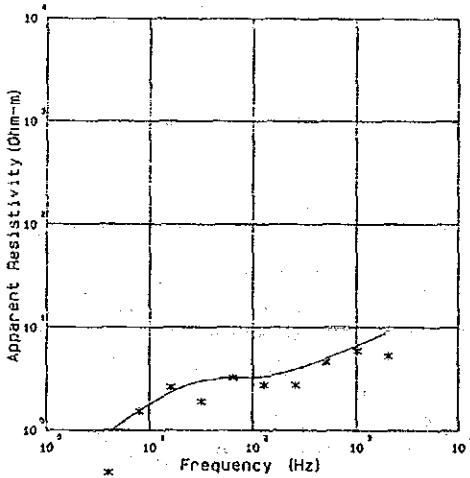
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	388	383	Rho (Ohm-m)	Thickness (m)
1024.0	378	381		
512.0	303	304	334.7	286.0
256.0	192	210	22.0	Infinite
128.0	151	139		
64.0	101	94.3		
32.0	62.8	67.0		
16.0	48.1	50.5		
8.0	40.9	40.5		
4.0	18.6	34.2		

MALAYSIA CSAMT No. 103



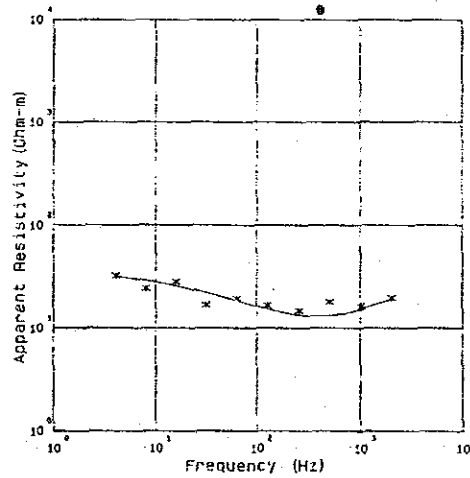
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	291	291	Rho (Ohm-m)	Thickness (m)
1024.0	241	245		
512.0	189	224	389.0	92.4
256.0	219	212	191.0	443.0
128.0	186	194		
64.0	262	168		
32.0	141	142		
16.0	262	121	72.6	Infinite
8.0	116	106		
4.0	98.1	95.0		

MALAYSIA CSAMT No. 104



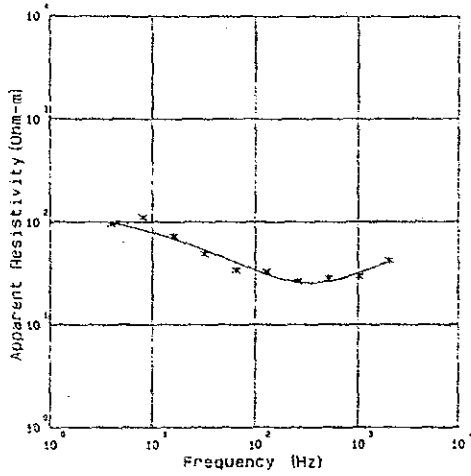
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	52.8	92.6	Rho (Ohm-m)	Thickness (m)
1024.0	58.1	67.2		
512.0	46.4	50.4	159.9	60.0
256.0	27.5	39.5	20.0	400.0
128.0	27.8	33.4		
64.0	32.3	32.2		
32.0	19.0	30.3		
16.0	28.3	23.4	1.0	Infinite
8.0	15.3	15.6		
4.0	3.69	9.81		

MALAYSIA CSAMT No. 105



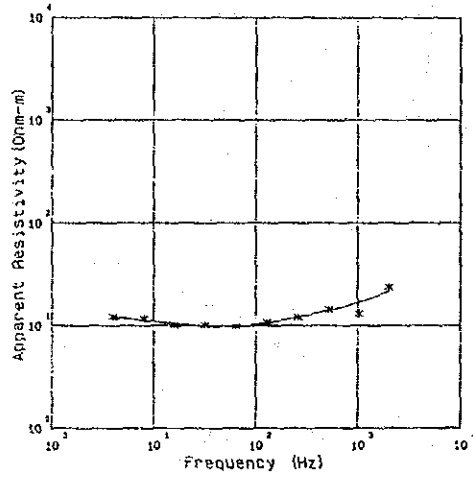
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	198	189	Rho (Ohm-m)	Thickness (m)
1024.0	163	153		
512.0	180	132	207.0	104.0
256.0	147	133	84.0	130.0
128.0	166	153		
64.0	193	184		
32.0	187	221		
16.0	203	258	400.0	Infinite
8.0	243	290		
4.0	323	318		

MALAYSIA CSAMT No. 106



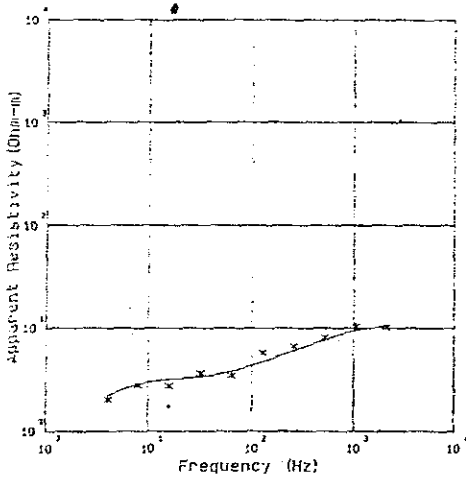
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	429	408	Rho (Ohm-m)	Thickness (a)
1024.0	295	321		
512.0	283	284	547.0	93.6
256.0	283	260	203.0	310.0
128.0	323	340		
64.0	340	405	1500.0	Infinite
32.0	491	535		
16.0	731	689		
8.0	1110	844		
4.0	263	289		

MALAYSIA CSAMT No. 107



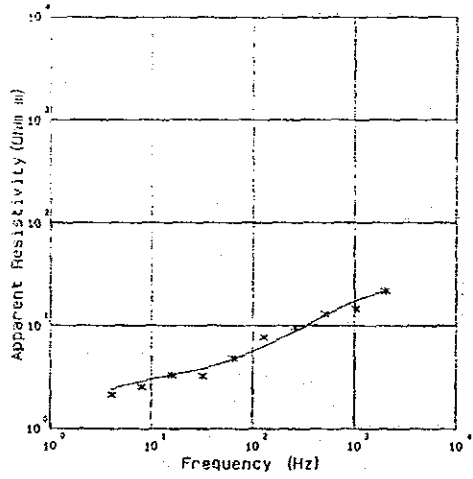
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	235	216	Rho (Ohm-m)	Thickness (a)
1024.0	130	169		
512.0	143	140	972.0	58.5
256.0	129	121	65.1	565.0
128.0	108	106		
64.0	98.3	98.6	158.0	Infinite
32.0	100	98.5		
16.0	101	104		
8.0	115	112		
4.0	122	121		

MALAYSIA CSAMT No. 108



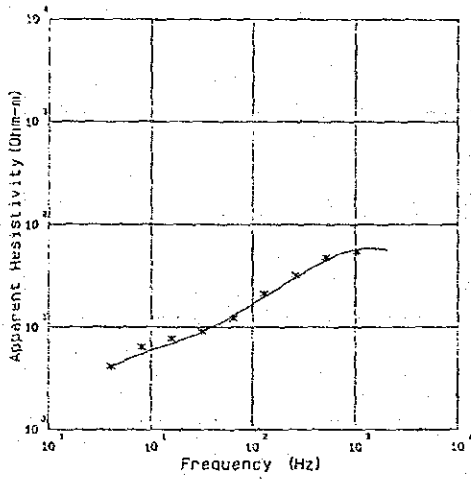
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	101	104	Rho (Ohm-m)	Thickness (a)
1024.0	103	95.6		
512.0	80.9	77.8	55.0	122.0
256.0	66.3	60.5	21.0	699.0
128.0	57.9	47.5		
64.0	34.8	28.5	3.8	Infinite
32.0	36.5	33.8		
16.0	27.6	31.9		
8.0	28.0	28.4		
4.0	20.4	22.4		

MALAYSIA CSAMT No. 109



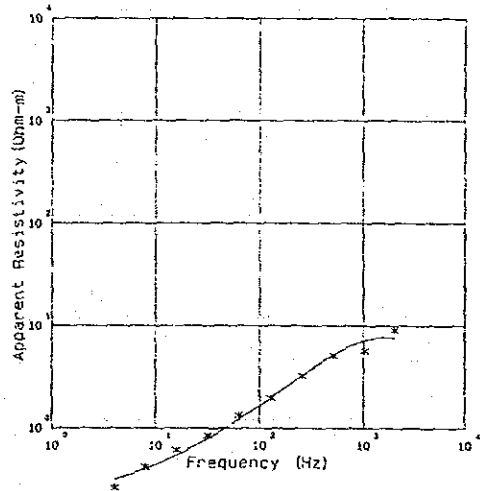
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	217	217	Rho (Ohm-m)	Thickness (a)
1024.0	145	175		
512.0	130	126	196.0	150.0
256.0	96.2	88.1	29.0	680.0
128.0	77.0	63.1		
64.0	48.3	47.5	9.3	Infinite
32.0	32.5	38.4		
16.0	33.2	33.2		
8.0	25.6	28.9		
4.0	21.5	24.2		

MALAYSIA CSAMT No. 110



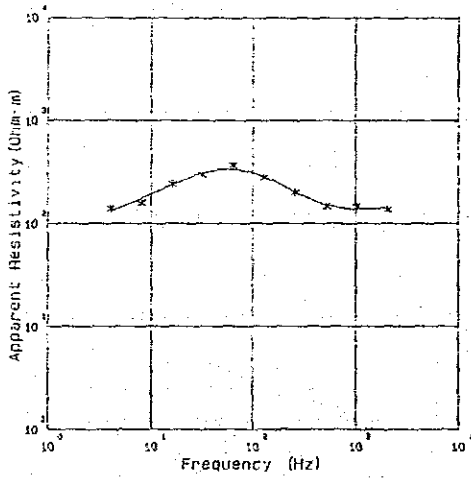
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	689000	577	Rho (Ohm-a)	Thickness (a)
1024.0	545	575	500.0	350.0
512.0	479	452		
256.0	323	305		
128.0	210	198	25.0	510.0
64.0	121	125		
32.0	90.7	89.6		
16.0	77.5	89.3	5.1	Infinite
8.0	64.3	54.9		
4.0	41.5	40.8		

MALAYSIA CSAMT No. 111



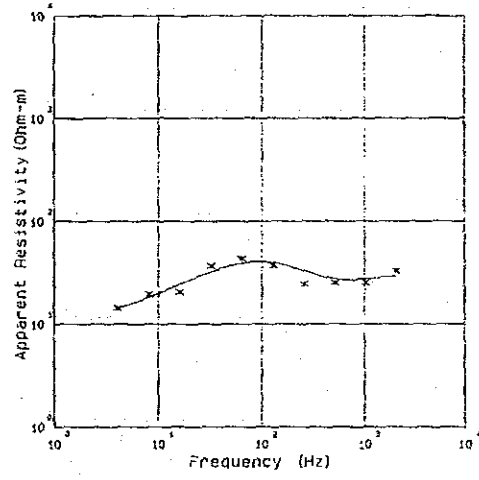
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	91.2	77.1	Rho (Ohm-a)	Thickness (a)
1024.0	37.1	72.4	51.1	116.0
512.0	31.2	52.4		
256.0	32.3	32.8		
128.0	19.8	19.9		
64.0	13.4	12.3	1.6	Infinite
32.0	8.49	7.95		
16.0	6.14	5.46		
8.0	4.16	4.02		
4.0	2.62	3.15		

MALAYSIA CSAMT No. 113



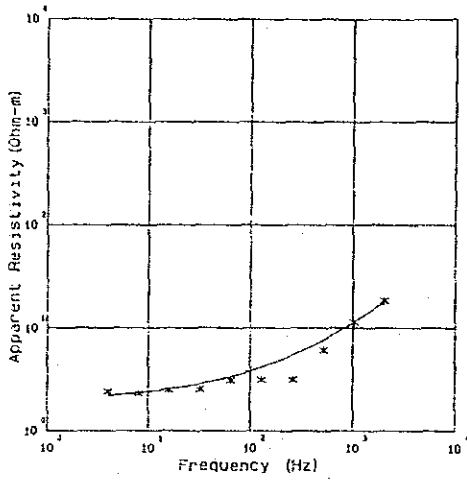
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	1360	1430	Rho (Ohm-a)	Thickness (a)
1024.0	1460	1370	1530.0	636.0
512.0	1460	1520		
256.0	2010	2030		
128.0	2790	2850	7630.0	2970.0
64.0	3690	3360		
32.0	2990	3080		
16.0	2420	2390	492.0	Infinite
8.0	1570	1750		
4.0	1390	1310		

MALAYSIA CSAMT No. 114



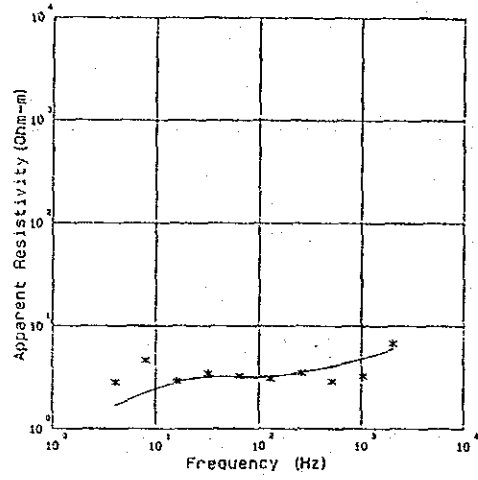
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	328	292	Rho (Ohm-a)	Thickness (a)
1024.0	252	275	292.0	487.0
512.0	231	275		
256.0	244	331		
128.0	372	398	7500.0	493.0
64.0	435	394		
32.0	369	323		
16.0	205	243	66.7	Infinite
8.0	195	193		
4.0	143	142		

MALAYSIA CSAMT No. 115



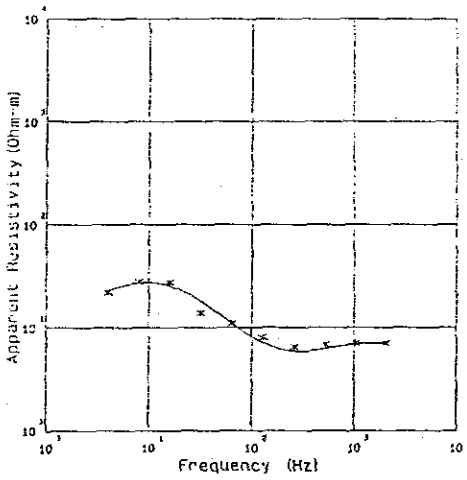
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	184	179	ρ_{10} (Ohm-m)	Thickness (m)
1024.0	114	114	520.0	85.0
512.0	60.9	76.9		
256.0	31.5	54.8	19.0	Infinite
128.0	31.2	41.7		
64.0	30.9	33.7		
32.0	25.4	29.7		
16.0	25.0	25.5		
8.0	23.0	23.4		
4.0	24.1	22.0		

MALAYSIA CSAMT No. 116



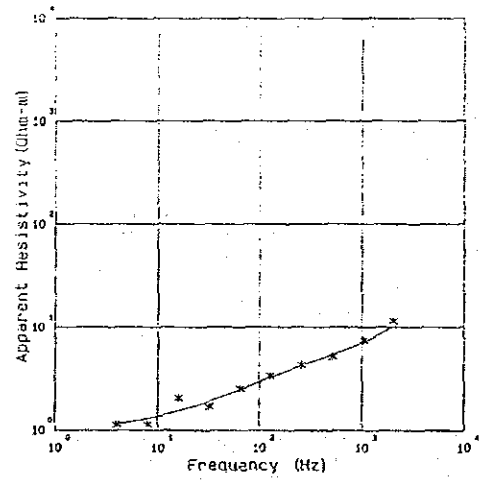
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	67.7	60.0	ρ_{10} (Ohm-m)	Thickness (m)
1024.0	32.4	48.1	151.0	32.1
512.0	29.8	40.5		
256.0	35.0	35.5	25.5	511.0
128.0	30.8	32.3		
64.0	32.6	31.9		
32.0	34.8	32.0		
16.0	29.0	29.5	4.7	Infinite
8.0	46.3	22.5		
4.0	29.3	19.8		

MALAYSIA CSAMT No. 117



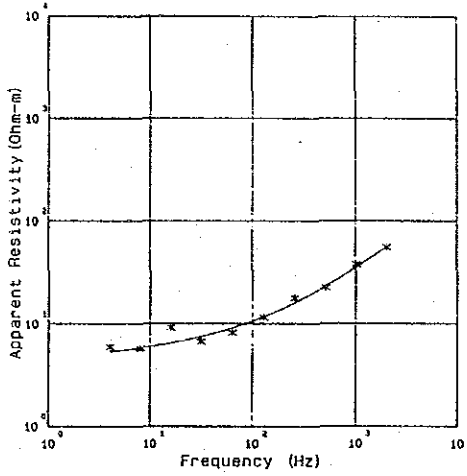
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	70.6	70.3	ρ_{10} (Ohm-m)	Thickness (m)
1024.0	70.3	69.4	70.0	292.0
512.0	68.3	62.6		
256.0	64.9	58.9	1490.0	2090.0
128.0	60.4	71.4		
64.0	109	110		
32.0	139	181		
16.0	278	256	41.5	Infinite
8.0	279	274		
4.0	221	229		

MALAYSIA CSAMT No. 118



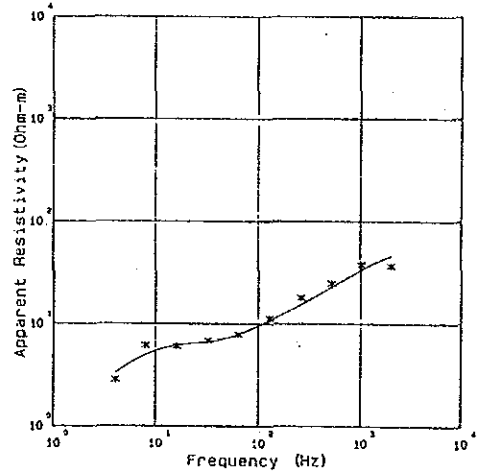
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	114	102	ρ_{10} (Ohm-m)	Thickness (m)
1024.0	74.5	71.7	485.0	53.7
512.0	51.5	54.8		
256.0	43.1	42.7	20.7	121.0
128.0	33.9	32.7		
64.0	25.5	24.9		
32.0	17.1	19.3		
16.0	20.6	15.5	8.1	Infinite
8.0	11.4	13.0		
4.0	11.4	11.4		

MALAYSIA CSAMT No. 119



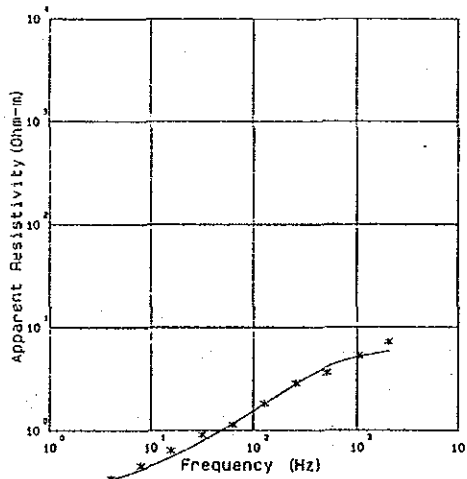
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	552	359	941.0	167.0
1024.0	375	358		
512.0	224	233	44.6	Infinite
256.0	177	180		
128.0	114	116		
64.0	81.4	90.9		
32.0	66.9	74.8		
16.0	51.6	54.6		
8.0	57.3	58.1		
4.0	59.3	53.8		

MALAYSIA CSAMT No. 120



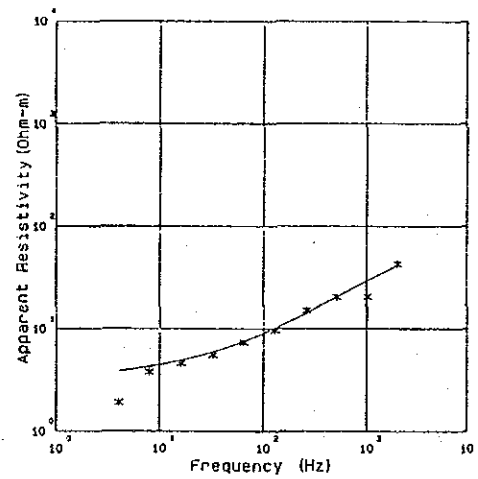
Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	369	464	447.0	195.0
1024.0	378	340		
512.0	247	229	31.7	818.0
256.0	179	154		
128.0	113	107		
64.0	78.7	79.3		
32.0	68.7	66.8		
16.0	60.2	61.7		
8.0	61.5	49.6		
4.0	28.4	33.0		

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	38.4	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	9.05	7.82		
16.0	6.38	5.52		
8.0	4.93	4.15		
4.0	3.42	3.32		

MALAYSIA CSAMT No. 122



Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODEL	
2048.0	429	419	1050.0	108.0
1024.0	295	297		
512.0	204	206	93.0	108.0
256.0	150	142		
128.0	98.0	101		
64.0	73.5	75.4		
32.0	53.4	59.4		
16.0	46.1	49.3		
8.0	37.8	42.9		
4.0	19.1	38.7		

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 Reimbang	cass-qz vein, w=1~2cm	○			○					⊙
6	F56B	do	hem vein, w=1~2cm	○						●	⊙	
7	F426	Bt. Mas	hem gossan float	•						●	⊙*	
8	F430A	Batu Reimbang	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	H36	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 Reimbang	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)	44	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	H36	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	93.0	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	0.5	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	6.0	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	5.0	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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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 (I)

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

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

No.	No. of Dulang		Total Weight (g)	Sample No.	No. of Dulang		Total Weight (g)	Sample No.	No. of Dulang		Total Weight (g)
	Sample No.	No.			Sample No.	No.			Sample No.	No.	
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	69.67
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)	
	No.		No.		No.		No.		No.		No.	
343	FC212		20		117.57		381		15		71.80	
344	FC213		18		89.85		382		15		99.42	
345	FC214		16		94.03		383		15		82.72	
346	FC215		5		73.3		384		20		73.41	
347	FC216		20		95.93		385		15		75.52	
348	FC217		20		112.20		386		16		94.93	
349	FC218		20		112.90		387		15		79.87	
350	FC219		15		124.62		388		10		109.64	
351	FC220		20		82.27		389		10		100.15	
352	FC221		20		102.27		390		15		111.22	
353	FC222		15		94.48		391		20		85.50	
354	FC223		12		99.78		392		15		89.39	
355	FC224		15		98.37		393		14		83.47	
356	FC225		16		103.07		394		12		94.60	
357	FC226		20		97.50		395		11		90.55	
358	FC227		15		92.03		396		10		96.33	
359	FC228		13		94.40		397		15		93.34	
360	FC229		15		78.75		398		15		99.13	
361	FC230		12		107.97		399		25		75.10	
362	FC231		17		98.10		400		25		94.80	
363	FC232		16		73.65		401		15		87.81	
364	FC233		20		61.35		402		15		114.16	
365	FC234		20		48.71		403		20		95.71	
366	FC235		15		104.90		404		20		78.12	
367	FC236		15		85.33		405		15		98.32	
368	FC237		15		105.09		406		15		61.78	
369	FC238		20		81.18		407		16		101.82	
370	FC239		20		90.45		408		10		88.49	
371	FC240		14		60.99		409		15		58.61	
372	FC241		15		56.80		410		6		156.21	
373	FC242		10		76.65		411		15		65.43	
374	FC243		15		61.20		412		15		62.23	
375	FC244		17		72.51		413		15		58.35	
376	FC245		8		93.63		414		15		84.43	
377	FC246		15		88.02		415		20		98.49	
378	FC247		15		72.62		416		15		65.41	
379	FC248		15		71.09		417		15		65.48	
380	FC249		15		63.96		418		20		87.79	
							419		12		105.96	
							420		15		66.09	
							421		12		81.40	
							422		5		163.17	
							423		10		103.45	
							424		15		73.84	
							425		6		108.46	
							426		10		108.42	
							427		5		82.28	
							428		10		91.61	
							429		10		113.97	
							430		10		80.27	
							431		15		64.43	
							432		12		89.97	
							433		15		87.78	
							434		10		77.83	
							435		10		94.74	
							436		12		75.89	
							437		1		48.35	
							438		20		21.01	
							439		2		75.51	
							440		10		37.64	
							441		6		64.84	
							442		4		56.87	
							443		4		54.12	
							444		16		52.81	
							445		20		28.40	
							446		6		27.49	
							447		4		38.90	
							448		14		36.63	
							449		4		55.90	
							450		10		69.10	
							451		4		87.20	
							452		3		79.32	
							453		16		47.20	
							454		20		30.82	
							455		4		92.56	
							456		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.		Total Weight (g)		No. of Dulang		Sample No.		Total Weight (g)		No. of Dulang		Sample No.		Total Weight (g)	
	No.	No.	Weight (g)	Weight (g)	No.	No.	No.	No.	Weight (g)	Weight (g)	No.	No.	No.	No.	Weight (g)	Weight (g)
571	SC134	TC004	117.47	609	2	25	TC004	647	7.94	647	20	TC042	84.33			
572	SC135	TC005	46.30	610	2	25	TC005	648	8.90	648	2	TC043	188.42			
573	SC136	TC006	333.75	611	2	25	TC006	649	17.16	649	2	TC044	107.24			
574	SC137	TC007	55.19	612	2	2	TC007	650	145.08	650	5	TC045	72.76			
575	SC138	TC008	34.49	613	2	2	TC008	651	74.20	651	30	TC046	76.46			
576	SC139	TC009	33.05	614	2	2	TC009	652	230.67	652	16	TC047	42.19			
577	SC140	TC010	53.48	615	5	4	TC010	653	117.54	653	8	TC048	58.98			
578	SC141	TC011	65.07	616	2	2	TC011	654	41.20	654	14	TC049	39.82			
579	SC142	TC012	98.57	617	1	3	TC012	655	27.97	655	2	TC050	192.76			
580	SC143	TC013	39.49	618	7	2	TC013	656	70.30	656	1	TC051	246.38			
581	SC144	TC014	43.79	619	13	3	TC014	657	121.73	657	5	TC052	164.35			
582	SC145	TC015	32.91	620	20	5	TC015	658	127.10	658	2	TC053	231.61			
583	SC146	TC016	33.32	621	20	1	TC016	659	187.80	659	5	TC054	156.69			
584	SC147	TC017	63.66	622	7	2	TC017	660	95.69	660	10	TC055	68.05			
585	SC148	TC018	62.51	623	10	3	TC018	661	40.03	661	6	TC056	87.64			
586	SC149	TC019	63.66	624	7	5	TC019	662	97.27	662	6	TC057	35.19			
587	SC150	TC020	47.21	625	20	5	TC020	663	300.31	663	6	TC058	153.58			
588	SC151	TC021	35.35	626	20	5	TC021	664	219.48	664	7	TC059	170.81			
589	SC152	TC022	41.11	627	20	5	TC022	665	106.68	665	2	TC060	444.31			
590	SC153	TC023	31.18	628	15	20	TC023	666	8.02	666	2	TC061	132.31			
591	SC154	TC024	31.99	629	20	20	TC024	667	24.31	667	8	TC062	97.48			
592	SC155	TC025	41.91	630	20	5	TC025	668	269.17	668	6	TC063	101.83			
593	SC156	TC026	33.34	631	20	20	TC026	669	11.42	669	5	TC064	163.04			
594	SC157	TC027	34.27	632	20	40	TC027	670	15.95	670	5	TC065	173.20			
595	SC158	TC028	245.53	633	1	30	TC028	671	13.62	671	3	TC066	139.29			
596	SC159	TC029	46.36	634	2	6	TC029	672	61.44	672	3	TC067	122.98			
597	SC160	TC030	168.60	635	1	17	TC030	673	20.66	673	10	TC068	59.77			
598	SC161	TC031	95.68	636	1	5	TC031	674	37.71	674	24	TC069	12.72			
599	SC162	TC032	45.55	637	20	2	TC032	675	132.30	675	40	TC070	14.15			
600	SC163	TC033	61.18	638	20	12	TC033	676	23.72	676	30	TC071	26.63			
601	SC164	TC034	47.37	639	20	80	TC034	677	10.52	677	50	TC072	22.04			
602	SC165	TC035	56.21	640	20	50	TC035	678	15.9	678	30	TC073	12.45			
603	SC166	TC036	48.63	641	20	40	TC036	679	14.05	679	5	TC074	88.65			
604	SC167	TC037	62.81	642	20	5	TC037	680	322.87	680	5	TC075	93.42			
605	SC168	TC038	43.95	643	20	5	TC038	681	372.05	681	20	TC076	15.17			
606	TC001	TC039	16.40	644	20	10	TC039	682	70.40	682	20	TC077	17.07			
607	TC002	TC040	207.05	645	5	10	TC040	683	86.87	683	30	TC078	19.24			
608	TC003	TC041	41.62	646	20	5	TC041	684	99.44	684	20	TC079	67.11			

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

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

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

No.	Sample No. of		Total Weight (g)	No.	Sample No. of		Total Weight (g)	No. of	Sample No.	No. of	Total Weight (g)
	No.	Dulang			No.	Dulang					
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 (1)

No.	Sample No.		No. of Dulang		Total Weight (g)		Sample No.		No. of Dulang		Total Weight (g)			
	No.		Dulang		Weight (g)		No.	Dulang		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)	Sample No.	No. of Dulang		Total Weight (g)
115	HC060	8		54.3	153	15		42.4	HC098	15		42.4
116	HC061	8		36.0	154	15		33.31	HC099	15		33.31
117	HC062	30		56.0	155	14		67.2	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								