Geological Logs of MJT-4～MJT-10

Abbreviations of Geological Log

Rock name	Pg1: Altered porphyritic granite	
	Pg2: Unaltered porphyritic granite	
	Grano: Granodiorite	
	brecc: brecciated	
Mineralization	diss: dissemination	
Minerals	Qz :Quartz	Cp :Chalcopyrite
	Ch :Chlorite	Py :Pyrite
	Ser:Sericite	Mo :Molybdenite
	Ep :Epidote	Cc :Chalcocite
	Mag:Magnetite	Cv :Covelline
Alteration	◎ :Very strong	
	○ :Strong	
	□ :Medium	
	△ :Weak	
Others	L :light	
	Dev:developed	

MJT-4 (1)

0m～ 50m

Depth m	Lithology	Quartz Vein No	Quartz Vein Wd mm	Sample No	Assay Cu %	Assay Mo %
		1	10			
				335	0.248	0.006
	Limonitic Pgl (porphyritic)	1	10			
				336	0.161	0.002
				337	0.185	0.002
10		2	4	338	0.154	0.002
	Secondary copper	1	12	339	0.191	0.001
				340	0.213	0.001
20		1	8	341	0.250	0.002
	Fracture zone (clay-rich) 20–22	1	10	342	0.083	0.001
				343	0.088	0.002
	Pgl with Mo-Cp along fracture			344	0.069	0.001
				345	0.080	0.001
30	Diss Cp & Cc			346	0.151	0.001
		3	10	347	0.092	0.003
		1	5	348	0.075	0.002
	No mineralization in qz vein	2	10			
40		2	8			
		4	15	349	0.096	0.001
		2	10			
	Cv-Cp diss			350*	0.198	0.001
	Predominant qz phenocryst			351	0.080	0.001
50				352	0.123	0.001

*: Au;<5ppb, Ag;2.6ppm, W;28ppm, Sn;1ppm

MJT-4(2)

50m～ 100m

Depth m	Geol Log	Lithology	Alteration etc Bio Ser Ch Ep An Fr	Quartz Vein No	Quartz Vein Wd mm	Sample No	Assay Res. Cu %	Assay Res. Mo %
			◎ △					
			↑ ↑ ↑	1	5			
		Biotite-rich	‖ ⋮			353	0.061	0.002
		zone	‖ ⋮					
			‖ ⋮	3	5	354	0.057	0.001
			‖ ⋮					
			‖ ⋮	1	15			
			‖ ⋮			355	0.049	0.001
60			‖ ⋮					
			‖ ⋮ △			356	0.062	0.001
		Dark browenish	‖ ⋮ ○					
		Pgl	‖ ⋮ △					
		(porphyritic)	◎ ↑			357	0.042	0.001
			○					
			○ ⋮					
			○ ⋮			358	0.024	0.002
			○ △					
70			△ ◎					
			△ ○			359	0.050	0.013
			△ ↑					
			○					
			↑ △	1	12	360	0.026	0.001
			↑ ⋮					
			↓ ○	1	6	361	0.036	0.004
			□					
			↑					
80			↓			362	0.031	0.001
			↓	1	20			
			□ ⋮			363	0.022	0.001
			△ △					
			△					
			↓ ○			364	0.019	0.001
			○ ○					
			◎ △ ○					
			◎ △ ○			365	0.020	0.001
90			◎ △ ○					
			○ □ △					
			□ ↑ ↓			366	0.014	–
			↑ ↓					
			↑ △					
			↑ ⋮			367	0.010	–
			↑ ⋮					
		No mineralization	↓ ↓	1	10			
		in qz vein	□ □	1	10	368	0.031	0.001
		Cp along fracture	△ ◎ △	2	8			
100			△ ◎ △ ↓ △					

MJT-4(3)

100m～150m

Depth m	Geol Log	Lithology	Alteration etc	Quartz Vein No	Quartz Vein Wd mm	Sample No	Assay Res. Cu %	Assay Res. Mo %
			Bio Ser Ch Ep An Fr			369	0.016	–
						370	0.013	–
						371	0.016	–
110						372	0.014	–
						373	0.010	–
						374	0.014	–
				1	10			
		L.grey～brown Pgl with py				375	0.029	–
120								
		Cp along fracture				376	0.022	–
						377	0.052	–
						378	0.067	0.001
130								
						379	0.035	–
						380	0.024	0.001
				1	4			
				1	8			
				1	4	381	0.029	–
140		Qz network				382	0.049	–
				2	10	383	0.015	0.001
				1	15			
						384	0.013	0.001
				2	15			
						385	0.048	–
150								

MJT—4 (4)

150m～ 200m

Depth m	Geol Log	Lithology	Alteration etc	Quartz Vein No	Quartz Vein Wd mm	Sample No	Assay Res Cu %	Assay Res Mo %
			Bio Ser Ch Ep An Fr					
						386	0.162	0.001
		Diss Cp				387	0.094	0.003
						388	0.058	0.002
160						389	0.015	0.002
						390	0.018	0.003
		Pgl, alteration; bio-ser-ch				391	0.018	0.002
				1	4			
				2	4			
170		Mineralization; diss Cp+Mo, & Cp+Mo along fracture				392	0.025	0.003
				5	6			
				8	10	393	0.034	0.003
				2	8			
		Qz vein; no mineralization				394	0.023	0.001
						395	0.037	0.001
180				1	6			
				2	30			
						396	0.025	0.001
				5	10			
						397	0.058	0.001
				4	8	398	0.043	0.003
				3	10			
190						399	0.043	0.005
				5	30			
				3	10	400	0.276	0.003
						401	0.099	0.002
				1	15			
200						402	0.052	0.002

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MJT-4(5)

200m～ 250m

Depth m	Geol Log	Lithology	Alteration etc	Quartz Vein		Sample	Assay	
			Bio Ser Ch Ep An Fr	No	Wd mm	No	Cu %	Mo %
			△ ○ □ △	1	10			
						403	0.041	0.005
						404	0.083	0.003
			△ ○ □			405	0.125	0.003
210			□ △ △					
		Pgl				406	0.233	0.006
		Alteration; bio-ser-ch	△			407	0.188	0.004
		Mineralization; diss Cp+Mo, & Cp+Mo along fracture	□ ○			408	0.285	0.004
220			□ ○	2	12			
		Qz vein with Cp	△ ◎	2	10	409	0.200	0.003
			◎	1	10			
			◎ △ □			410	0.055	0.021
			□ □ □			411	0.139	0.012
			△ □					
230			○ △ □			412	0.068	0.004
				2	10	413	0.043	0.002
						414	0.146	0.004
						415	0.114	0.006
240			○ △ △ ○			416	0.081	0.009
						417	0.155	0.004
						418	0.074	0.006
250			△ ○ □ △					

MJT-4 (6)

250m～301m

Depth m	Geol Log	Lithology	Alteration etc: Bio	Ser	Ch	Ep	An	Fr	Quartz Vein: No	Wd mm	Sample No	Assay Res.: Cu %	Mo %
			△	○	△			□			419	0.042	0.005
				◎									
											420	0.074	0.003
		254							1	4			
									2	10			
											421*	0.084	0.008
		Mo,Cp along fracture											
260								□			422	0.120	0.020
		260.75	△	◎				△					
			□	○							423	0.049	0.010
									1	4			
		Coarse-grained							2	20	424	0.023	0.002
								△	1	5			
								□					
								△	2	10	425	0.027	0.001
270									1	4			
		Coarse-grained Pgl									426	0.046	0.002
				○									
				□							427	0.031	0.009
											428	0.058	0.006
									1	5			
280													
									1	25	429	0.059	0.020
											430	0.076	0.001
			□	□				△					
		286.60	△	◎				◎			431	0.054	0.005
		Argillaceous zone	□	□				△					
		287.70	□	□				△					
290		289.50	△	◎				◎			432	0.069	0.003
				↕				↕					
		Argillaceous zone		◎				◎			433	0.062	0.007
		293	□	○				△					
				□							434	0.050	0.003
				↕				↕					
				□	△				1	10	435	0.035	0.002
300													
301			□	○				△	4	20	436	0.043	0.010

*: Au;<10ppb, Ag;0.5ppm, W;2ppm, Sn;1ppm

MJT-5(1)

0m～ 50m

Depth m	Geol Log	Lithology	Alteration etc Bio Ser Ch Ep An Fr	Quartz Vein No	Quartz Vein Wd mm	Sample No	Assay Res. Cu %	Assay Res. Mo %
						740	0.012	–
		Limonitic, sericitized porphyritic granite (Pgl)				741	0.022	–
		Qz veinlets with limonite				742	0.010	–
10		↓ 10～75m Leached zone ⟆ Enrichment zone				743	0.043	–
						744	0.052	–
		Cc as diss & along with fracture				745	0.076	–
20						746	0.049	–
						747	0.060	–
						748	0.042	–
						749	0.057	–
30						750	0.036	–
						751	0.031	0.001
		←35.60-35.95 Porous limonite				752	0.016	0.001
40						753	0.045	–
						754	0.036	–
						755	0.084	–
50						756	0.055	–

MJT-5(2)

50m～ 100m

Depth m	Geol Log	Lithology	Alteration etc Bio Ser Ch Ep An Fr	Quartz Vein No	Quartz Vein Wd mm	Sample No	Assay Cu %	Assay Mo %
						757	0.034	–
		54 ↑ Strong silicification				758	0.048	–
						759	0.030	–
60		Qz veinlets along with limonite & Py				760	0.068	–
						761	0.045	–
		Porous limonite ←67 ←68				762	0.059	–
70						763	0.017	0.001
		Limonite along cracks ↓ 75				764	0.041	0.001
		Enrichment zone				765	0.045	–
80						766	0.098	–
						767	0.129	0.001
						768	0.262	0.002
						769	0.223	0.002
90		Qz veinlets with Cc & Py				770	0.076	–
		94.50-94.70 ← Brecciated Pgl				771	0.076	–
						772	0.027	–
100								

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MJT-5(3)

100m～150m

Depth m	Geol Log	Lithology	Alteration etc: Bio	Ser	Ch	Ep	An	Fr	Quartz Vein: No	Wd mm	Sample No	Assay: Cu %	Res: Mo %
			○	△				○			773	0.038	-
		Cc along cracks	↕	↕				↕					
			○					○			774	0.128	-
		Qz veinlets with Py & Cc	◎					◎					
			↕		↕			↕			775	0.045	-
		Native copper											
110		109.60~109.70 ← Brecciated Pgl									776*	0.063	-
		← Secondary copper 109.70~110.50 ↓											
		112	◎					◎					
			○					○			777	0.024	-
			↕					↕					
											778	0.028	0.001
											779	0.023	-
120													
		Strong silicifiction									780	0.029	-
											781	0.040	-
		← Qz vein with Py+Mo							1	20(Mo)	782	0.034	0.002
		127.50											
130													
											783	0.024	0.001
			○	△				○			784	0.049	-
		←133.90			○	△		□					
		Cc+galena											
		135.60 Magnetite									785	0.045	-
		Very fine-grained diss Cp & along fractures											
140											786	0.056	-
		Basaltic andesite							1	10(Py)			
											787	0.072	-
											788	0.052	0.001
		←146.10 Cp(wd;5mm)											
		←147.20 Cp(wd;4mm)									789	0.251	-
150		←149.50 Cp-Sph diss			○	△		□					

*: Au;5ppb, Ag;0.8ppm, W;12ppm, Sn;1ppm

MJT-5(4)

150m～ 200m

Depth m	Geol Log	Lithology	Alteration etc (Bio Ser Ch Ep An Fr)	Quartz Vein No	Quartz Vein Wd mm	Sample No	Assay Res. Cu %	Assay Res. Mo %
		Qz veinlets with Cp				790	0.128	0.001
						791	0.073	–
				1	10(Cp)	792	0.154	–
160						793	0.286	–
		Dark green andesite		1	4(Cp)	794	0.243	–
				1	10(Cp)	795	0.037	–
170		Strong silicif.				796	0.067	–
						797	0.058	–
						798	0.048	–
		←178.90				799	0.052	–
180		Mag-Cp-Py				800	0.045	–
		?– 182.00						
		Dark green Basaltic andesite				801	0.094	–
		Fine-grained Cp-Mag				802	0.042	–
190				1	4(Py)	803	0.056	–
				1	3(Py)			
						804	0.057	–
						805	0.053	0.001
200						806	0.034	–

Magnetite

Magnetite

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MJT- 5(5)

200m～ 250m

Depth m	Geol Log	Lithology	Alteration etc Bio	Ser	Ch	Ep	An	Fr	Quartz Vein No	Vein Wd mm	Sample No	Assay Cu %	Res. Mo %
					○	△		○					
											807	0.069	–
		Dark green andesite									808	0.056	–
											809	0.050	–
210													
		211.70 (60°-70°)			○	△		○			810	0.022	–
											811	0.008	–
		Dark brown basalt dyke									812	0.017	–
220											813	0.009	–
		223.10			○	□		◎			814	0.112	0.001
									1	15(Py)			
											815	0.042	–
230											816	0.047	0.001
		Veryfire-grained diss Cp									817	0.062	–
		Magnetite									818	0.069	0.002
									1	3(Mo)			
						□					819	0.055	0.001
240						△			1	6(Mo)			
									1	5(Mo)	820	0.055	0.002
											821	0.051	0.003
					○	△							
		246.00		○	△								
		White aplitic Pgl									822	0.040	0.001
250					○	△		◎					

MJT-5(6)

250m～301m

Depth m	Geol Log	Lithology	Alteration etc: Bio Ser Ch Ep An Fr	Quartz Vein No	Quartz Vein Wd mm	Sample No	Assay Cu %	Assay Mo %
			○ △ ◎			823	0.039	–
			○ △					
						824	0.058	0.001
		Diss Cp+along fractures						
		Brecciated basaltic andesite				825	0.044	0.001
260						826	0.134	0.001
				1	15(Mo)			
						827	0.030	–
			△	2	20(Mo,Cp)	828	0.115	0.002
				2	10(Mo,Cp)			
						829	0.085	–
270								
						830	0.078	0.001
			△	1	4(Py)			
						831	0.052	–
						832	0.092	–
280								
						833	0.042	–
						834	0.057	–
				1	10(Py)			
			△ □ □ △			835	0.050	–
290		Diss Cp+along fractures				836	0.357	0.001
						837	0.050	–
						838	0.058	–
						839	0.080	0.001
300			○ ○ ◎					
	+ +	Pgl(aplitic)	△ ○ △ □			840	0.079	–

MJT-6(1)

0m～ 50m

Depth m	Geol Log	Lithology	Alteration etc (Bio Ser Ch Ep An Fr)	Quartz Vein No	Quartz Vein Wd mm	Sample No	Assay Cu %	Assay Mo %
			◎ ↑ ◎ ↑	2+α	10			
		Limonitized fined-grained porphyritic Pgl (Diss Cp+Mo,py)				437	0.217	0.037
						438	0.795	0.077
	6							
		L.grey fine-grained Pgl				439	0.718	0.041
				2	15			
10						440	0.494	0.025
						441	0.349	0.024
				1	4(W)			
				3	10	442	0.253	0.023
				1	10			
20		Secondary copper (Cc)		1	10	443	0.160	0.013
				2	5(W)			
					(W)	444	0.249	0.014
				1	5			
					(W)	445	0.295	0.015
				1	8			
						446	0.293	0.025
30								
		Diss Mo+Cp				447	0.361	0.015
					(W)	448	0.389	0.013
					(W)			
				1	5	449	0.285	0.009
				1	20			
40				1	8	450	0.285	0.010
	42 / 43		◎ ↓ ◎ ↓					
		L.grey porphyritic granite(Pg2)				451	0.117	0.003
						452	0.044	0.002
		Weak alteration (sericite-chlorite)						
50						453	0.043	0.001

MJT-6(2)

50m～ 100m

Depth m	Geol Log	Lithology	Alteration etc Bio Ser Ch Ep An Fr	Quartz Vein No	Quartz Vein Wd mm	Sample No	Assay Res. Cu %	Assay Res. Mo %
						454	0.054	0.001
		53	◎ ◎	1	10	455	0.285	0.001
		L.grey Pgl				456	0.185	0.006
				1	8	457	0.244	0.010
60				2	10			
				2	8			
						458	0.292	0.009
		Magnetite		3	10(w)			
				3	10	459	0.372	0.017
				4	8			
		Diss Cp+Mo		2	4(w)			
				4	10	460	0.284	0.007
			◎	1	100			
70		Argillaceous zone	○	2	5			
				2	5	461	0.267	0.009
		Diss Cp+Mo		3	8			
				2	4			
		No mineralization	○	2	8	462	0.299	0.019
		in qz vein	◎	1	4			
		Aplitic ↓		1	10			
						463	0.340	0.008
		Porpyritic			(w)			
80			◎	1	8	464	0.253	0.008
		Aplitic ↑	○					
			○		(w)			
			○			465	0.395	0.019
		Diss Cp+Mo	◎					
					(w)	466	0.313	0.009
				1	4	467	0.400	0.016
90				1	6			
			◎	1	4			
			○		(w)	468	0.312	0.014
				2	6			
				1	4(w)	469	0.285	0.007
			○					
			◎					
			◎		(w)	470	0.374	0.010
			◎					
100			◎ ○	1	6			

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MJT-6 (3)

100m～150m

Depth m	Geol Log	Lithology	Alteration etc Bio Ser Ch Ep An Fr	Quartz Vein No	Quartz Vein Wd mm	Sample No	Assay Cu %	Assay Mo %
			◎ ◎			471	0.314	0.010
			◎					
		L.grey Pg1	◎					
			○			472	0.326	0.013
				1	15			
						473	0.150	0.019
110						474	0.200	0.006
			◎ ○			475	0.078	0.003
		112.50 (70°-80°)						
						476	0.039	0.002
						477	0.022	–
		Mo+Cp along fr.						
		118.85 Qz vein 118.95				478	0.016	–
120								
					(w)	479	0.030	0.001
						480	0.013	–
		114.50 Qz vein 114.70						
		L.grey Pg2				481	0.019	–
		Weak alteration (sericite-chlorite)						
130						482	0.022	–
					(w)	483	0.015	–
		135～137.5 Segregated qz Pyrite along fracture				484	0.006	–
140						485	0.010	–
						486	0.016	–
						487	0.004	–
						488	0.007	–
150								

MJT-6 (4)

150m～ 200m

Depth m	Geol Log	Lithology	Alteration etc Bio Ser Ch Ep An Fr	Quartz Vein No	Quartz Vein Wd mm	Sample No	Assay Res. Cu %	Assay Res. Mo %
	×	152				489	0.010	–
	×	∫ Segregated qz						
	×	153				490	0.020	–
	×							
	×	L.grey Pg2			(w)			
	×	→Qz granodiorite				491	0.035	–
	×							
160	×	Diss						
	×					492	0.029	0.002
	×							
	×					493	0.039	–
	×							
	×					494	0.029	–
	×							
170	×				(w)	495	0.036	–
	×							
	×					496	0.028	–
	×							
	×	175.50 Mo						
	×	175.80 Mo				497	0.067	0.001
	×	176.00 Cp						
	×					498	0.033	–
180	×							
	×	Hornblende				499	0.049	–
	×	Biotite						
	×	→chlorite						
	×				(w?)	500	0.038	–
	×							
	×					501	0.039	–
	×							
190	×							
	×					502	0.050	0.028
	×							
	×					503	0.046	–
	×							
	×					504	0.062	–
	×							
200	×					505	0.056	–

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MJT-6(5)

200m～ 250m

Depth m	Geol Log	Lithology	Alteration etc Bio Ser Ch Ep An Fr	Quartz Vein No	Quartz Vein Wd mm	Sample No	Assay Res. Cu %	Assay Res. Mo %
	×							
	×				(w)	506	0.044	-
	×							
	×					507	0.020	-
	×							
	×	208.55 Diss Cp			(w)	508	0.016	-
210	×							
	×					509	0.022	-
	×	L.grey Pg2						
	×					510	0.036	0.001
	×							
	×					511	0.020	-
220	×							
	×					512	0.042	-
	×							
	×					513	0.053	-
	×							
	×					514	0.038	-
	×							
230	×					515	0.053	-
	×							
	×	Gypsum along crack				516	0.042	-
	×							
	×	235.50 Mo-Py(3mm)				517	0.034	-
	×							
	×					518	0.011	-
240	×	239.90 Mo-Cp(2mm)						
	×	240.70 Mo-qz(14mm)						
	×					519	0.014	-
	×	244						
	+	Gradually change	△ ○ △			520	0.283	0.008
	+	Silicified Pg1						
	+		△		(w)	521	0.227	0.008
	+							
250	+		△ ○ △ △					

MJT-6 (6)

250m～301m

Depth m	Geol Log	Lithology	Alteration etc: Bio	Ser	Ch	Ep	An	Fr	Quartz Vein: No	Wd mm	Sample No	Assay Res.: Cu %	Mo %
			○	↑			△	△		(w)	522	0.187	0.014
										(w)			
											523	0.193	0.021
		Silicified Pgl											
		Alteration;							2	15	524	0.252	0.010
		sericite,											
		anhydrite											
260		Mineralization									525	0.200	0.021
		;diss Mo+Cp								(w)			
		;Mo+Cp along											
		fracture									526	0.170	0.015
		Gypsum along crack							1	5			
									2	4			
											527	0.261	0.008
									1	4			
									2	8			
									1	10	528	0.161	0.007
270													
									1	5	529	0.245	0.011
					△						530	0.185	0.005
					↑					(w)			
										(w)	531*1	0.264	0.008
									4	10			
280													
										(w)	532	0.268	0.005
									1	20			
			○	↓	△				1	30			
			△		□						533	0.130	0.005
				↑	↓								
		287.5 Mo-qz vein											
									1	3(w)	534*2	0.241	0.010
			△		□		△	△					
		289 (30°-40°)											
290	v												
	v	Black basalt											
	v										535	0.009	0.001
	v												
	v												
	v												
	v	(40°)											
		298.40 L.grey Pgl	○	○				□			536	0.092	0.004
300		(60°) 299.90 Black basalt	○	○				□			537	0.010	0.001
301	v v / x x	300.40 L.green Pg2									538	0.089	0.002

*1: Au;<5ppb, Ag;1.0ppm, W;8ppm, Sn;1ppm *2: Au;<10ppb, Ag;1.0ppm, W;9ppm, Sn;1ppm

MJT-7 (1)

0m～ 50m

Depth m	Lithology	Alteration etc (Bio Ser Ch Ep An Fr)	Quartz Vein No	Quartz Vein Wd mm	Sample No	Assay Cu %	Assay Mo %
	Limonitized Pgl (porphyritic)				539	0.060	0.008
					540	0.038	0.024
					541	0.181	0.013
	8.90						
10	L.grey Pgl (sericite)				542	0.270	0.022
					543	0.112	0.009
					544	0.164	0.013
	Predominant Py veinlets				545	0.164	0.012
20			1	10(Py)	546	0.195	0.009
	25 Ribbon structure (untill 254m)				547	0.251	0.015
					548	0.131	0.014
30			1	10(Mo)	549	0.142	0.033
					550	0.141	0.007
	Secondary copper (Cc,Bo)				551	0.130	0.003
			1	20(Py)			
40			2	30(Py)	552	0.093	0.009
	Aplitic		1	15(Cp)	553	0.093	0.004
			1	2(Py)	554	0.313	0.015
	Magnetite						
50					555	0.141	0.015

MJT-7 (2)

50m～ 100m

Depth m	Geol Log	Lithology	Alteration etc (Bio Ser Ch Ep An Fr)	Quartz Vein No	Quartz Vein Wd mm	Sample No	Assay Cu %	Assay Mo %
			◎ △ ◎	1	20(Cp)			
						556	0.104	0.007
				1	15(Mo)	557	0.048	0.020
						558	0.050	0.002
60						559	0.054	0.002
						560	0.040	0.002
						561	0.060	0.002
70			◎			562	0.072	0.003
			○					
		L.grey Pgl (aplitic)		1	10(Py)	563	0.082	0.003
						564	0.061	0.004
80			○ △			565	0.065	0.010
			◎			566	0.076	0.004
						567	0.070	0.008
		Magnetite				568	0.070	0.012
90						569	0.069	0.011
						570	0.074	0.007
						571	0.061	0.006
100			◎ ◎					

MJT-7 (3)

100m～150m

Depth m	Geol Log	Lithology	Alteration etc: Bio Ser Ch Ep An Fr	Quartz Vein: No	Wd mm	Sample No	Assay Res. Cu %	Mo %
			○ △ △ ◎	1	8(Mo)	572	0.070	0.012
						573	0.092	0.020
		Porphyritic	○	1	10(Mo)			
			△	1	2(Mo)			
						574	0.077	0.055
				1	2(Mo)			
110						575	0.011	0.011
						576	0.094	0.011
						577	0.074	0.011
		Magnetite	△ ○ △					
			◎			578	0.130	0.010
120		Aplitic		1	15(Mo)			
						579	0.148	0.013
		L.grey Pgl (sericite)		1	25(Py)	580	0.120	0.035
						581	0.070	0.007
				1	15(Mo)			
130		Py-Mo-Qz combination		1	15(Mo)			
				1	15(Py)	582	0.110	0.014
				1	15(Mo)	583	0.124	0.020
						584	0.116	0.017
140				1	15 (Mo,Cp)	585	0.145	0.008
		Magnetite				586	0.120	0.009
				1	2(Mo)			
						587	0.091	0.006
		Porphyritic		2	15(Mo)			
				1	2(Cp)	588	0.090	0.008
150			◎ ◎					

MJT-7 (4)

150m～ 200m

Depth m	Geol Log	Lithology	Alteration etc	Quartz Vein No	Quartz Vein Wd mm	Sample No	Assay Res. Cu %	Assay Res. Mo %
			Bio Ser Ch Ep An Fr					
						589	0.112	0.011
		White～grey strong arg.Pgl (porphyritic)				590	0.075	0.015
				1	5(Mo,Cp)			
						591	0.083	0.010
160				1	5(Mo)			
		Py vein(wd:5cm, 160.5)				592	0.153	0.023
						593	0.142	0.027
		Magnetite(164.4)						
		Diss Cp+Mo		2	10(Mo)	594	0.070	0.017
				2	5(Mo)			
170						595	0.080	0.012
						596	0.137	0.019
			△			597	0.128	0.026
			△					
				1	5(Mo)			
						598	0.116	0.016
180								
						599	0.131	0.012
		↑		2	4(Mo,Cp)			
		Magnetite ↓	◎ △			600	0.138	0.016
			○ ↑					
			○			601	0.122	0.012
			◎	1	2(Mo)			
190			↑	2	10(Mo)			
		↑				602	0.136	0.018
		Magnetite						
		↓		1	15(Mo)	603	0.133	0.012
			△					
						604	0.110	0.012
				2	10(Mo,Cp)			
200			◎			605	0.086	0.014

MJT-7 (5)

200m～ 250m

Depth m	Geol Log	Lithology	Alteration etc (Bio Ser Ch Ep An Fr)	Quartz Vein No	Quartz Vein Wd mm	Sample No	Assay Cu %	Assay Mo %
						606	0.146	0.010
						607	0.186	0.015
						608	0.154	0.017
210								
		L.grey Pgl (porphyritic)				609	0.115	0.012
						610	0.170	0.018
				1	15 (Mo,Cp)	611	0.219	0.009
		Magnetite						
220						612	0.158	0.010
						613	0.194	0.016
						614	0.126	0.012
230		Predominant diss Mo+Cp				615	0.165	0.010
						616	0.171	0.009
				1	20 (Py)	617	0.204	0.014
						618	0.215	0.014
240						619	0.132	0.019
						620	0.174	0.010
						621	0.200	0.007
250				1	5 (Cp)			

MJT-7 (6)

250m～301m

Depth m	Geol Log	Lithology	Alteration etc: Bio	Ser	Ch	Ep	An	Fr	Quartz Vein No	Quartz Vein Wd mm	Sample No	Assay Cu %	Assay Mo %
				◎				◎			622	0.100	0.008
				↕				↕					
				◎				◎			623	0.145	0.018
		254	△	□				△					
			↑	↑				↑			624	0.115	0.006
260											625	0.137	0.026
									2	10(Mo)			
									1	5(Mo)			
		L.grey Pgl (massive,aplitic)									626	0.110	0.009
									1	8(Mo)	627	0.064	0.005
									1	20(Mo)	628	0.051	0.004
270													
		Fine-grained diss Cp+Mo									629	0.075	0.006
											630	0.053	0.006
											631	0.077	0.013
280		Mo in qz-rich									632	0.130	0.005
											633	0.122	0.005
											634	0.163	0.023
									1	10(Py)			
290							△				635	0.151	0.008
							↑		1	8(Py)			
									1	10(Py)	636	0.158	0.037
									2	8(Py)			
									1	20(Py)	637	0.135	0.028
									2	10(Mo)			
									2	10(Py)			
									1	10(Py)			
300		↑							1	10(Py)	638	0.099	0.006
301		Porphyritic	△	□			△	△					

27

MJT-8(1)

0m～ 50m

Depth m	Geol Log	Lithology	Alteration etc: Bio	Ser	Ch	Ep	An	Fr	Quartz Vein: No	Wd mm	Sample No	Assay: Cu %	Res.: Mo %
			◎					○			639	0.029	0.028
		Limonitized Pgl (porphyritic)	↕					↕					
											640	0.046	0.013
											641	0.057	0.026
10		9.60									642	0.240	0.006
											643	0.230	0.005
			◎					○					
			○					□			644	0.244	0.005
			↕					↕					
20											645	0.144	0.004
											646	0.181	0.009
									1	10(Mo)			
		Secondary copper									647	0.176	0.029
30											648	0.148	0.001
											649	0.190	0.001
											650*	0.200	0.001
											651	0.262	–
		Predominant Cc →											
40			○					□			652	0.917	0.006
		40.75	△					○					
		Aplitic	↕					↕			653	0.274	0.012
		Dark green Pgl						○			654	0.140	0.006
					○			□					
					○			□					
50		Magnetite	△		○			□			655	0.200	0.007

*: Au;<5ppb, Ag;0.4ppm, W;10ppm, Sn;1ppm

MJT-8(2)

50m～ 100m

Depth m	Geol Log	Lithology	Alteration etc Bio	Ser	Ch	Ep	An	Fr	Quartz Vein No	Wd mm	Sample No	Assay Cu %	Res. Mo %
		Magnetite	△		○			□					
		↓						○			656	0.420	0.016
								○					
								□			657	0.217	0.008
									1	4(Mo)			
								□			658	0.122	0.005
60								○	1	5(Py)			
											659	0.148	0.005
		Dark green Pgl (aplitic)											
											660	0.171	0.005
									1	8(Mo)			
											661	0.127	0.005
70								○					
		70.75	△		○			□			662	0.182	0.008
		L.grey Pgl (porphyritic)	○		△								
			○		△						663	0.171	0.011
		74.10	△		○								
											664	0.240	0.007
80											665	0.151	0.007
		Secondary copper											
								□			666	0.132	0.007
								○					
								○					
			△		○			○			667	0.089	0.015
		Dark green Pgl (aplitic)		□	△			◎					
											668	0.110	0.019
90													
											669	0.104	0.007
			△										
											670	0.115	0.008
											671	0.241	0.019
100			△	□	△			◎					

MJT-8(3)

100m～150m

Depth m	Geol Log	Lithology	Alteration etc: Bio Ser Ch Ep An Fr	Quartz Vein No	Quartz Vein Wd mm	Sample No	Assay Res. Cu %	Assay Res. Mo %
						672	0.185	0.006
						673	0.300	0.013
						674	0.345	0.012
		Dark green Pgl (aplitic)				675	0.153	0.013
110								
		112				676	0.135	0.016
		Sheared zone		1	10(Mo)	677	0.086	0.017
				1	15(Mo)			
						678	0.138	0.010
120								
						679	0.130	0.033
		123		1	15(Cp,Mo)			
						680	0.136	0.017
					(Cp,Mo)			
				2	4	681	0.130	0.013
				1	2(Py)			
				1	4(Py)			
130						682	0.155	0.009
		Dark green Pgl (aplitic)						
				1	22(Mo)			
				2	35	683	0.238	0.010
					(Mo,Cp)			
						684	0.164	0.009
				2	4(Mo,Cp)			
				1	15(Cp)			
140				1	15(Mo)	685	0.372	0.017
		140		1	15(Mo)			
						686	0.160	0.019
		L.grey Pgl						
				2	25(Py)			
						687	0.085	0.015
						688	0.060	0.013
150								

MJT-8 (4)

150m～ 200m

Depth m	Geol Log	Lithology	Alteration etc (Bio Ser Ch Ep An Fr)	Quartz Vein No	Quartz Vein Wd mm	Sample No	Assay Cu %	Assay Mo %
						689	0.165	0.011
				1	5(Cp)			
		L.grey Pgl (aplitic)				690	0.114	0.010
						691	0.153	0.009
	159							
160		Dark green Pgl (porphyritic)		1	20(Py)	692	0.185	0.011
	161							
		L.grey Pgl (aplitic)		1	15(Py)	693	0.143	0.010
						694	0.117	0.014
	169							
170						695	0.083	0.006
				1	15(Mo,Cp)			
		Dark green andesite				696	0.119	0.006
				2	4(Cp)			
				1	4(Cp)	697	0.179	0.035
				1	10(Cp)			
				1	8(Mo)			
				1	10(Cp)	698	0.147	0.008
	179							
180				1	10(Cp,Mo)			
				1	12(〃)	699	0.184	0.012
	182			1	12(〃)			
				4	15 (Cp,Mo)	700	0.184	0.023
				1	10(Cp)			
						701	0.168	0.013
		Qz veinlets with Cp+Mo						
190						702	0.141	0.006
				3	4(Py)			
				2	10(Py)	703	0.132	0.005
				1	30(Cp)			
	195							
		White Pgl with qz						
	196					704	0.089	0.007
				2	8(Py)			
	198							
		White Pgl with qz						
200	199.75					705	0.098	0.006

MJT-8(5)

200m～ 250m

Depth m	Geol Log	Lithology	Alteration etc: Bio Ser Ch Ep An Fr	Quartz Vein No	Quartz Vein Wd mm	Sample No	Assay Cu %	Assay Mo %
				2	15(Mo,Cp)			
		Dark green andesite				706	0.089	0.012
		205.20						
		L.grey Pgl		1	15(Cp)	707	0.085	0.005
		206						
		Dark green andesite				708	0.083	0.003
210		210						
		Dark green brecciated andesite				709	0.205	0.013
				1	8(Cp)			
						710	0.145	0.007
				1	10(Cp)			
				1	4(Cp)	711	0.149	0.006
		219						
220		Dark green andesite		2	30(Mo)	712	0.125	0.010
				1	15(Mo)			
		223.40				713	0.126	0.016
		Cp & Mo in qz vein		2	10(Cp,Mo)			
				3	50(Cp,Mo)			
				8	8(Mo)	714	0.124	0.012
				2	4(Mo)			
				2	5(Mo,Cp)			
230				6	15(〃)	715	0.189	0.021
				3	15(〃)			
				4	40(〃)			
		Hematite		5	20(〃)	716	0.171	0.011
				3	5(〃)			
		Dark grey Pgl (aplitic)		5	10(〃)			
				3	10(〃)	717	0.115	0.007
				4	8(Cp)			
				6	15(Cp,Mo)			
				5	10(〃)	718	0.182	0.012
240				1	4(〃)			
				2	2(〃)			
		241						
		Magnetite				719	0.183	0.008
						720	0.158	0.009
		Dark green Pgl (aplitic)		1	10(Cp)			
				4	2(Cp,Mo)			
				5	15(Cp)	721	0.149	0.007
				3	4(Py)			
250				4	15(Py)			

MJT-8(6)

250m～301m

Depth m	Geol Log	Lithology	Alteration etc: Bio	Ser	Ch	Ep	An	Fr	Quartz Vein No	Quartz Vein Wd mm	Sample No	Assay Res. Cu %	Assay Res. Mo %
			◎		◎			○	2	8(Py)	722	0.084	0.006
			↑		↑			↑	2	30(〃)			
			‖		‖			‖	2	4(Mo)			
			‖		‖			‖	4	20(〃)	723	0.077	0.004
			‖		‖			‖	3	12(Cp,Mo)			
			‖		‖			○	2	4(〃)			
			‖		‖			□	5	30(Py)	724	0.096	0.010
			◎		‖			↑	1	8(〃)			
			□		‖			‖					
260		Dark green Pgl (aplitic)	↑		‖			‖	2	6(Mo)	725	0.110	0.010
			‖		‖			‖	3	10(Py)			
			‖		‖			‖	7	10(Mo)			
			‖		‖			‖	4	3(Cp)	726	0.118	0.018
			‖		‖			‖	2	20(Py)			
			‖		‖			□					
			‖		‖			◎			727	0.104	0.007
			‖		‖			↑	3	2(Py)			
			‖		‖			‖	2	15(Mo,Cp)			
			‖		◎			◎	2	15(Cp)	728	0.146	0.005
270			‖		○			□	2	10(Py)			
			‖		‖			↑	4	20(Mo,Cp)			
		Filmy Mo	‖		‖			‖	3	2(〃)	729	0.200	0.011
			‖		‖			‖	3	8(Py)			
			‖		‖			‖	2	8(〃)			
		Magnetite	‖		‖			□	4	50(〃)	730	0.150	0.013
			‖		‖			○	1	8(Mo,Cp)			
			‖		‖			○	4	4(Py)			
			‖		‖			○	1	4(Cp)	731	0.120	0.006
			‖		‖			□	2	30(Py)			
280			‖		‖			◎	2	15(〃)			
			‖		‖			↑	3	20(Cp)	732	0.100	0.006
			‖		‖			‖	5	20(Mo,Cp)			
			□		○			‖					
	283			○	△			‖	1	15(Py)	733	0.092	0.019
				↑	↑			‖					
				‖	‖			‖					
		L.green Pgl (porphyritic)		‖	‖			‖			734	0.083	0.003
				‖	‖			‖					
290		Diss Mo & Cp		‖	‖			‖			735	0.079	0.006
				‖	‖			‖					
		Qz veinlets with Mo & Cp		‖	‖			‖	2	15(Mo)			
				‖	‖			‖			736	0.108	0.004
				‖	‖			‖					
				‖	‖			‖					
	295.20			‖	‖			◎			737	0.097	0.004
		L.green Pgl (aplitic)		‖	‖			○					
				‖	‖			‖					
				‖	‖			‖			738	0.200	0.005
300				‖	‖			‖	3	10(Mo)			
301	300	Porphyritic part		○	△			○			739	0.118	0.008

MJT-9(1)

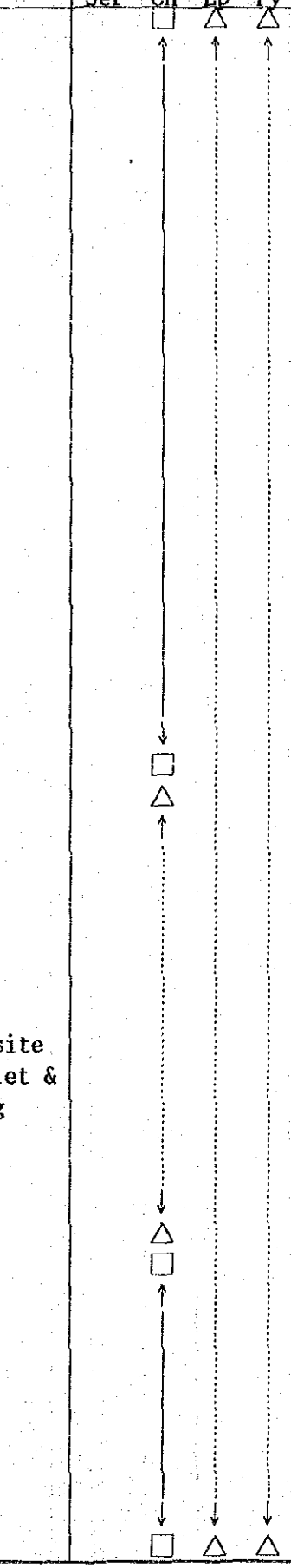
0m～ 50m

Depth m	Geol Log	Lithology	Alteration & Pyritization Ser	Ch	Ep	Py	Assay Result No	ppm Cu	ppm Zn	Remark
		Regolith (andesitic float)								
		3.00								
10										
20		Basaltic andesite with py(veinlet & diss) and mag								
		Propylitic alter.								
30										
		32.95								
		Andesite with skarn & py								
		36.45					9037	16	13	w;1ppm
40										
50										

MJT--9(2)

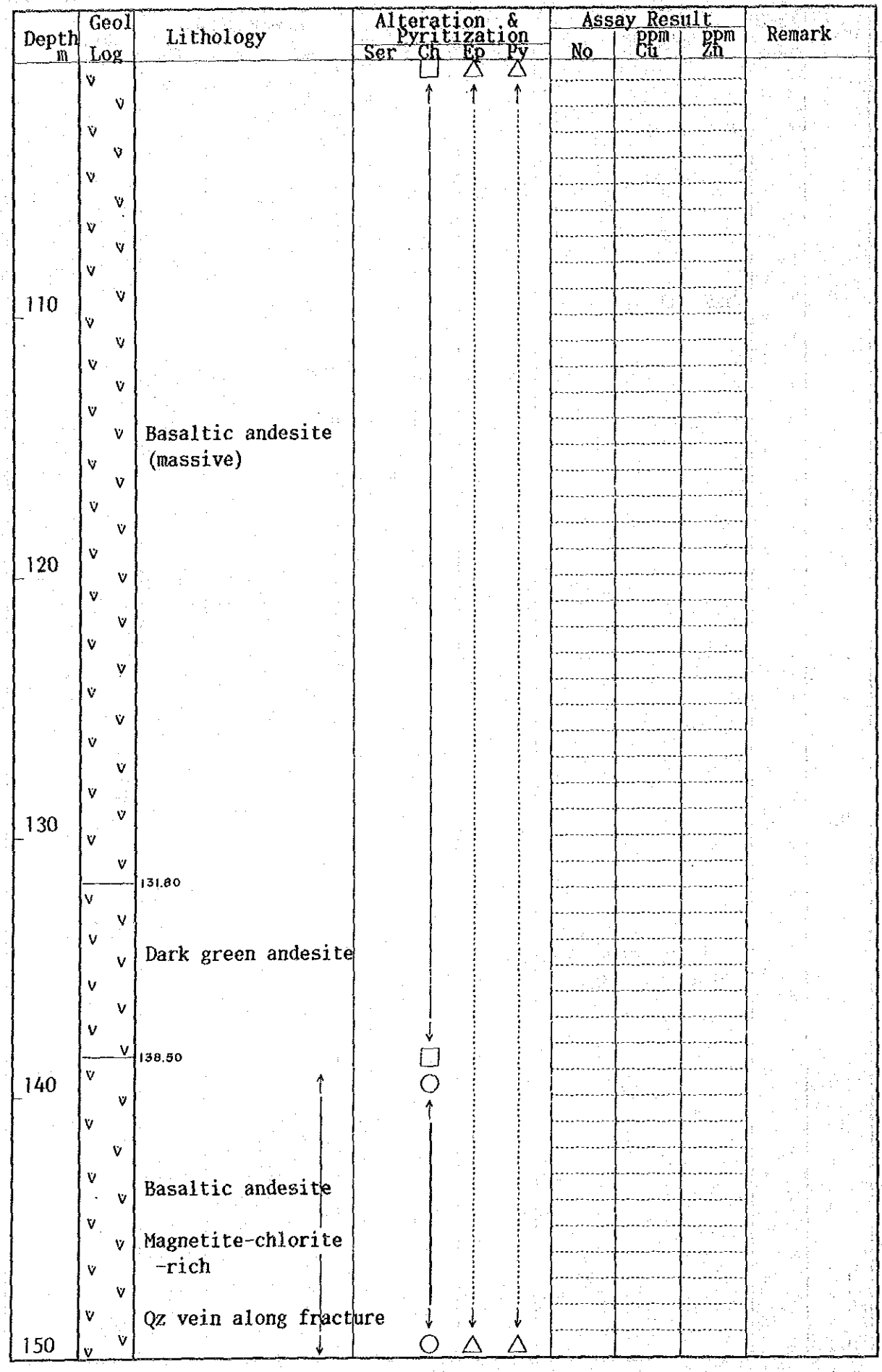
50m～100m

Depth m	Geol Log	Lithology	Alteration & Pyritization Ser	Ch	Ep	Py	Assay Result No	ppm Cu	ppm Zn	Remark
60		Andesite								
70										
80										
90		Basaltic andesite with py(veinlet & diss) and mag								
100										



MJT-9(3)

100m～150m



MJT-9 (4)

150m～200m

Depth m	Geol Log	Lithology	Alteration & Pyritization Ser	Ch	Ep	Py	Assay Result No	ppm Cu	ppm Zn	Remark
		152.15 Sulphide mineral								
		Dark grey basaltic andesite								
160										
		167.00								
		Altered basaltic andesite with mag and py								
170		Calcite veinlets								
		Qz vein								
		177.40								
180		180 Basaltic(tuff?)								
		182.20 / 182.50 White ser grano					9183	41	11	W;7ppm
							9184*	17	24	
							9185			W
		Altered grano with py					9187			Mo
		Black mineral & magnetite								
190							9191			Mo
		192.50					9193			Mo
		Magnetite veinlets & hematite								
		193.70					9196			W
		196.40								
		Grano with brecc andesite					9198			Mo
		198.60								
200		199.10								

*: Au;<10ppb, Ag;0.1ppm, W;16ppm, Sn;1ppm, Mo;1ppm

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MJT-9(5)

200m～250m

Depth m	Geol Log	Lithology	Alteration & Pyritization Ser	Ch	Ep	Py	No	Assay Result ppm Cu	ppm Zn	Remark
		Mag-poor	□			□	9202	10	33	W;1ppm
		202.80								
		White(ser) grano with py					9207	14	6	Mo;1ppm
210										
		211.20 ← Tourmaline(wd:10mm)			△		9212	26	31	Mo;1ppm
		← White,heavy→					9214*	12	105	
		213.70 scheelite?					9216	24	19	Mo;1ppm
220										
		222.50 ← Cp spot & py			△		9223	22	6	W;2ppm
230		229.50 ← Scheelite?	□			□	9230	20	7	W;1ppm
		Gradually weak alteration	△			△	9234	14	11	Mo;1
							9239	14	28	Mo;1ppm
240							9243	9	9	Mo;1ppm
		246.10 ← Magnetite+?					9246	32	26	Mo;1ppm
		Magnetite-poor								
250			△			△	9250	21	14	Mo;1ppm

*: Au;<10ppb, Ag;0.3ppm, W;3ppm, Sn;1ppm, Mo;1ppm

MJT-9(6)

250m～301m

Depth m	Geol Log	Lithology	Alteration & Pyritization Ser Ch Ep Py	Assay Result No	ppm Cu	ppm Zn	Remark
				9254	138	32	Mo;6ppm
				9257	20	16	Mo;1ppm
260				9261	25	16	Mo;1ppm
		←Tourmaline+qz 262.80		9265	57	18	Mo;1ppm
270		Magnetite & hematite -rich		9274	41	43	Mo;1ppm
280		Magnetite-rich grano Weak alteration (sericite) Magnetite-rich		9280	34	39	Mo;1ppm
		287.00 Zenolith (altered andesite) 289.00		9288	28	48	Mo;1ppm
290				9295	14	33	Mo;2ppm
300		Mag & hematite-poor		9300	17	17	W;2ppm
301							

MJT-10(1)

0m～ 50m

Depth m	Geol Log	Lithology	Alteration & Pyritization Ser	Ch	Ep	Py	Assay Result No	ppm Cu	ppm Zn	Remark
		Regolith 0.70		△	△	△				
	+	Pale grey fine-grained grano with py & ep		↑	↑	↑				
	+			↓	↓	↓				
	+	Dev-well crack along with limonite					0007	680	154	
10	+			△	△	△				
	△	11.00								
	V	Limonitic altered andesite	△	□	□	□				
	V	13.40		↑	↑	↑				
	V	White altered andesite				□				
	V					△	0016	20	12	
	V					△	0017	30	21	
	V	18.80			↑	↑				
20	△ V	Brecciated andesite			□	△				
	△	19.50			△	□				
	+	Pale grey～white grano			↑	↑	0023	78	22	
	+					↓				
	△									
	+	←Ep-mag-py								
30	+						0030	17	12	
	+	Dev-well crack along with limonite					0032	132	29	
	+						0034	151	112	
	+									
	+	37.40								
	△ +	Brecciated grano				↓	0039	37	60	
40	+	39.00				□	0040	155	32	
	+					△				
	+					↑				
	+	←43.00								
	+	Altered grano with limonite		↓	↓	↓	0045	510	17	
	+		△	□	△					
	△ ～	46.00								
	～ △	Brecciated grano				↑				
	△ ～	Limonite+clay(fault)				△				
50	～ △	49.10 Skarn(garnet+ep)								

MJT-10(2)

50m～100m

Depth m	Geol Log	Lithology	Alteration & Pyritization Ser	Ch	Ep	Py	Assay Result No	ppm Cu	ppm Zn	Remark
										Au;<5ppb
		Skarn zone(porous)					0052	2000	33	Ag;2.6ppm
										Mo;1ppm
		53.50								Sn;1ppm
		Calcarious-siliceous -argillaceous limestone								W;1ppm
		57.00								
		Limonite clay(fault)								
60		59.50								
		Garnet+ep-rich								
		62.50					0063	1.07%	72	
		Siliceous part					0064	4920	73	
		64.70								
		Argillaceous Garnet+ep-rich								
		67.00 White clay								
		67.50								
70										
		White massive limestone								
		Porous ep+clay								
		79.20								
80		79.70								
		Siliceous part with py+malachite					0081	4660	181	
		81.70								
		Cp+malachite(spot)								
90										
		Massive limestone with little py								
							0096	580	13	
		97.20								
		Porous,siliceous-calcareous part					0099	84	122	
100		99.40								

4/

MJT-10(3)

100m～150m

Depth m	Geol Log	Lithology	Alteration & Pyritization Ser Ch Ep Py	Assay Result No	ppm Cu	ppm Zn	Remark
		Siliceous limestone					
		←105.30 - 105.90		0106	34	16	
		Porous, epidote					
110		←110.90 - 111.50					
		Porous, epidote					
		113.20					
		Argillaceous limestone					
		Garnet+ep+malachite		0117	1.35%	0.92%	
		117.25 Siliceous part					
		118.80					
120		Siliceous limestone					
		←124.40 - 124.60					
		Argillaceous part					
		128.40					
		Argillaceous limestone with limonite					
130		130.25 Siliceous part		0131	1.30%	6320	
		131.00 with malachite					
140		Saccharodal limestone partially pinkish clay					
		148.80					
150		Argillaceous limestone					

MJT-10(4)

150m～200m

Depth m	Geol Log	Lithology	Alteration & Pyritization Ser Ch Ep Py	Assay Result No	ppm Cu	ppm Zn	Remark
		150.70 Argillaceous limestone					
		152.60					
160							
		162.40 Argillaceous limestone					
		169.00					
170		Argillaceous limestone 170.10					
		Massive limestone containig pinkish & white clay					
		178.70					
180		Siliceous part with 179.10 limonite along crack					
		187.00					
		Limonite & clay along					
190		crack of limestone					
		191.30					
		194.40					
		Siliceous part 195.20					
200							

MJT-10(5)

200m～250m

Depth m	Geol Log	Lithology	Alteration & Pyritization Ser	Ch	Ep	Py	Assay Result No	ppm Cu	ppm Zn	Remark
210		White saccharoidal limestone								
		215.30 Siliceous part 216.20					0216	245	680	
		217.05 Siliceous part 219.50					0219	52	100	W;1ppm
220										
		225.10 Siliceous part 226.50								
230										
240										
250										

MJT-10(6)

250m～300m

Depth m	Geol Log	Lithology	Alteration & Pyritization Ser Ch Ep Py	Assay Result No	ppm Cu	ppm Zn	Remark
260							
270							
		White saccharoidal limestone					
280							
		Quartz vein(wd:5mm)		0289	485	104	W;1ppm
290							
		Quartz+scheelite?		0292	20	14	W;1ppm
300							

MJT-10(7)

300m～351m

Depth m	Geol Log	Lithology	Alteration & Pyritization Ser Ch Ep Py	No	Assay Result ppm Cu	ppm Zn	Remark
				0302	20	8	W;1ppm
		White saccharoidal linestone					
310							
		317.40		0318	36	54	W;1ppm
		Tuffaceous～sandy limestone					
320		320.50					
330							
		332.80 Siliceous part with py		0335	47	8	W;1ppm
		335.10					
340				0340	39	5	W;1ppm
		340.70 Muddy～tuffaceous limestone					
				0346	23	30	W;1ppm
		346.00		0348	9	15	W;1ppm
350							
351		350.50 Siliceous part		0351*	40	184	

*: Au;<10ppb, Ag;0.6ppm, W;5ppm, Sn;1ppm, Mo;8ppm

Hasandere Area

Phase spectra and Cole-Cole diagrams of Core samples

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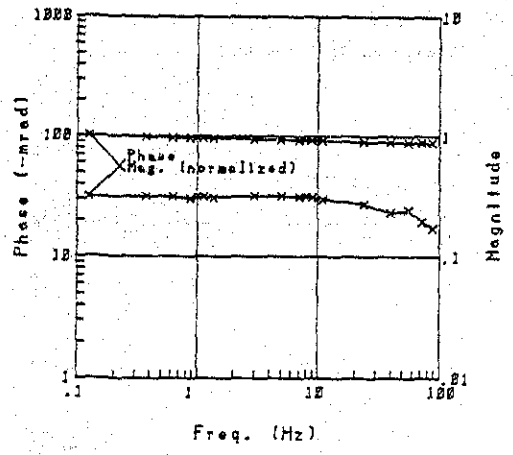
NO. 1



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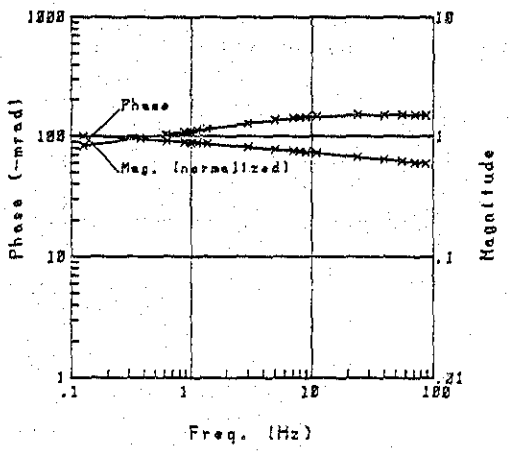

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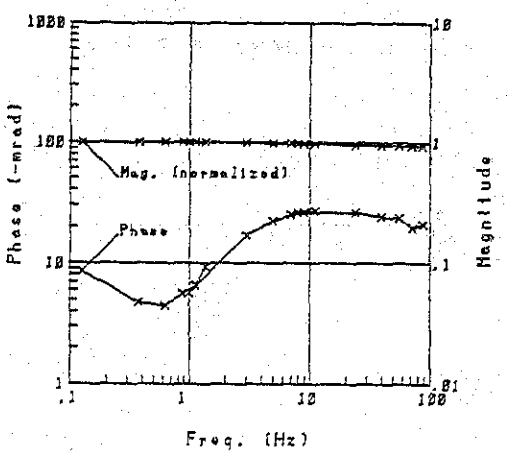
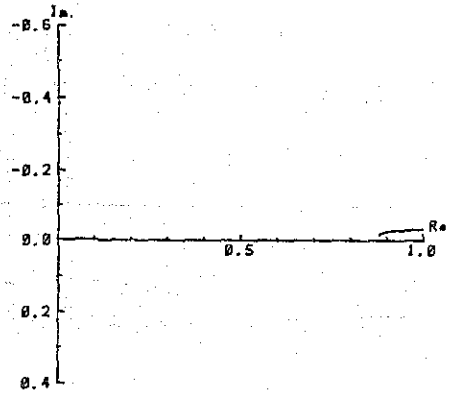
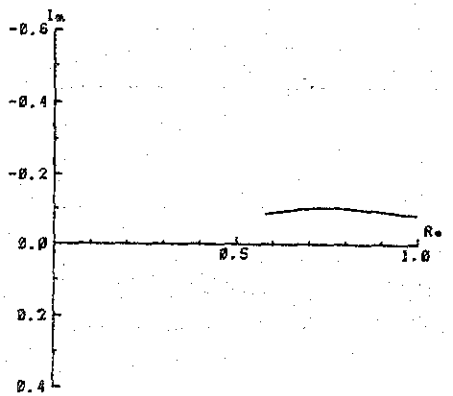


NO. 1 Cole-Cole Diagram



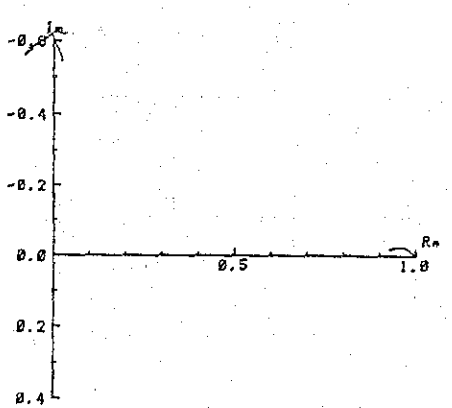
R o c k : Porphyritic granite pgl
Spectrum : B type
P h a s e : 31.1 -m rad
P F E : 4.3 %
Resistivity : 797 ohm-m

NO. 2 Cole-Cole Diagram



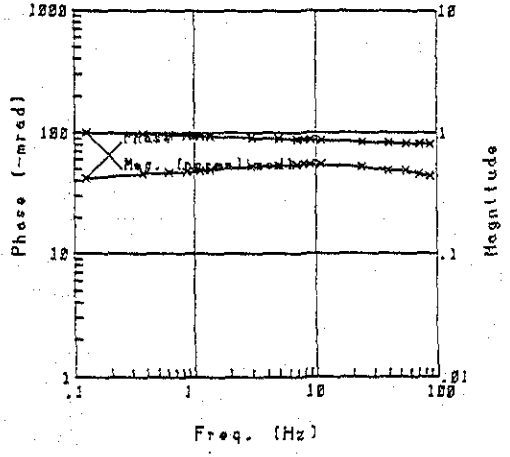
R o c k : Porphyritic granite pgl
Spectrum : D type
P h a s e : 83.1 -m rad
P F E : 13.3 %
Resistivity : 990 ohm-m

NO. 3 Cole-Cole Diagram



R o c k : Porphyritic granite pgl
Spectrum : E type
P h a s e : 8.5 -m rad
P F E : 0.4 %
Resistivity : 360 ohm-m

NO. 4



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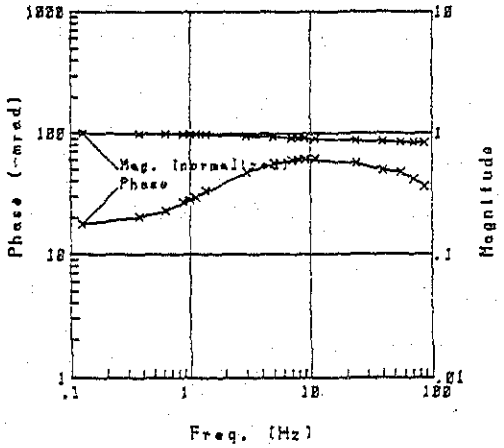

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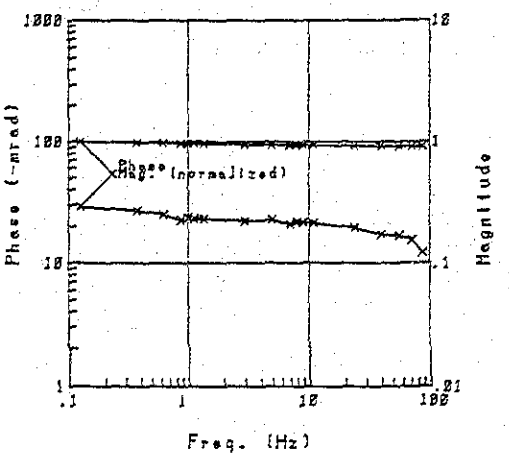
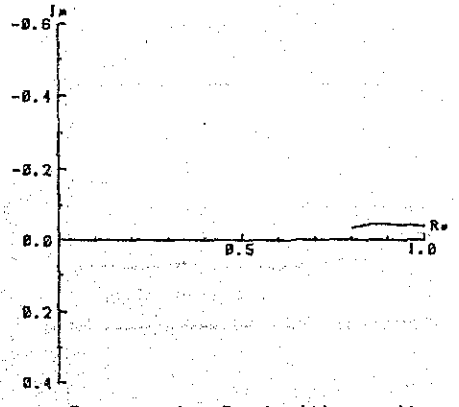
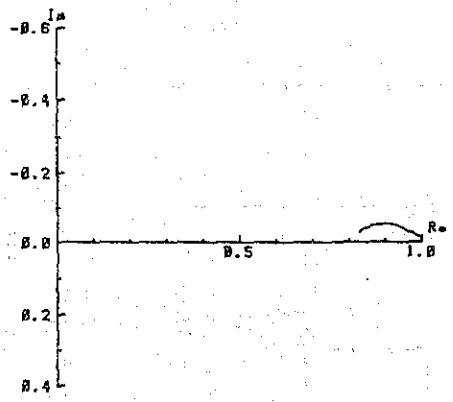


NO. 4 Cole-Cole Diagram



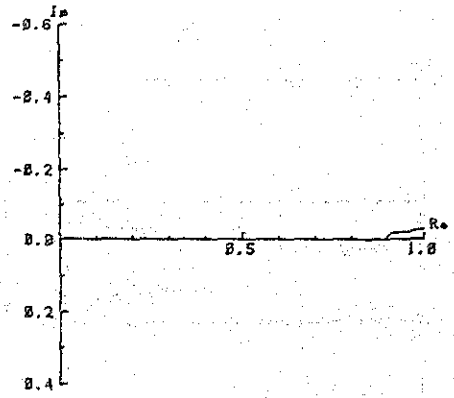
R o c k : Porphyritic granite pgl
Spectrum : D type
P h a s e : 41.8 -m rad
P F E : 6.3 %
Resistivity : 1,398 ohm-m

NO. 5 Cole-Cole Diagram



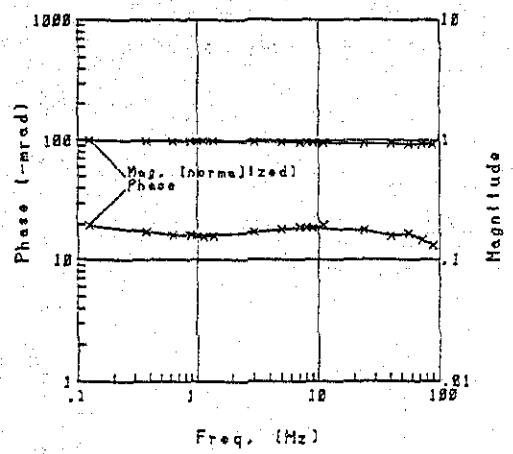
R o c k : Porphyritic granite pgl
Spectrum : D type
P h a s e : 17.7 -m rad
P F E : 2.3 %
Resistivity : 258 ohm-m

NO. 6 Cole-Cole Diagram



R o c k : Porphyritic granite pgl
Spectrum : Y type
P h a s e : 28.7 -m rad
P F E : 3.7 %
Resistivity : 852 ohm-m

NO. 7



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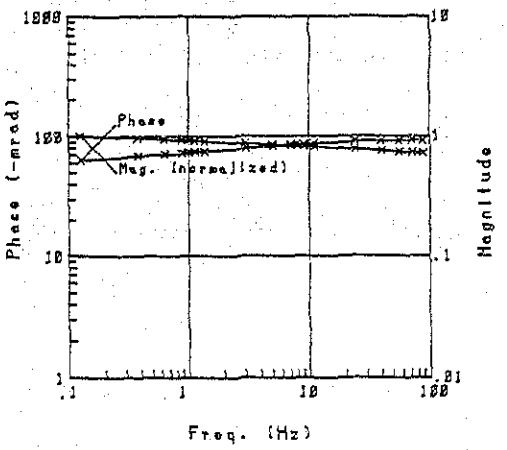

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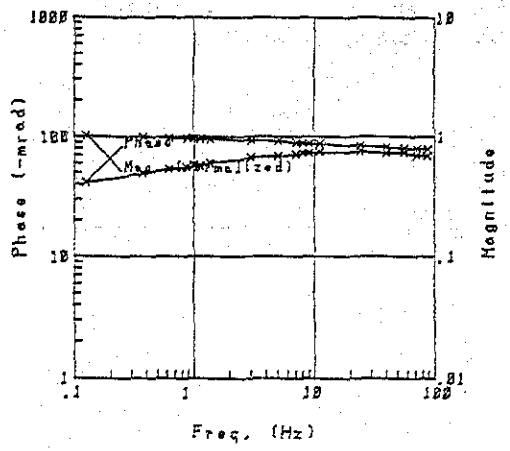
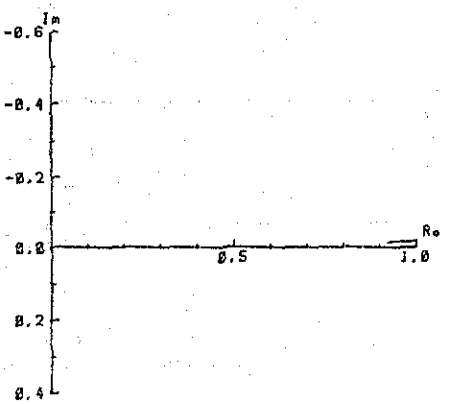
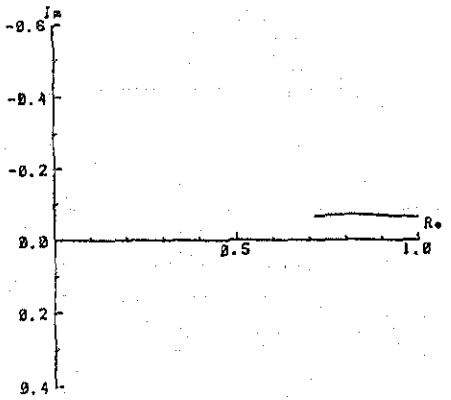


NO. 7 Cole-Cole Diagram



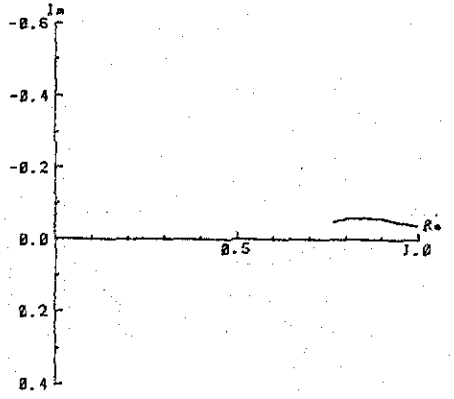
R o c k : Porphyritic granite pgl
Spectrum : Y type
P h a s e : 19.5 -m rad
P F E : 2.4 %
Resistivity : 1,100 ohm-m

NO. 8 Cole-Cole Diagram



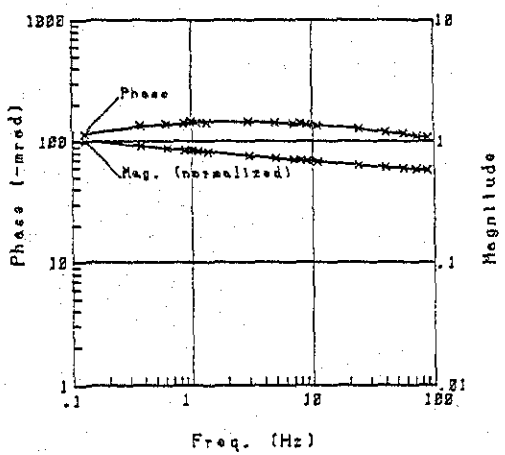
R o c k : Porphyritic granite pgl
Spectrum : A type
P h a s e : 63.0 -m rad
P F E : 9.3 %
Resistivity : 3,560 ohm-m

NO. 9 Cole-Cole Diagram



R o c k : Porphyritic granite pgl
Spectrum : D type
P h a s e : 41.2 -m rad
P F E : 6.6 %
Resistivity : 2,160 ohm-m

NO. 10



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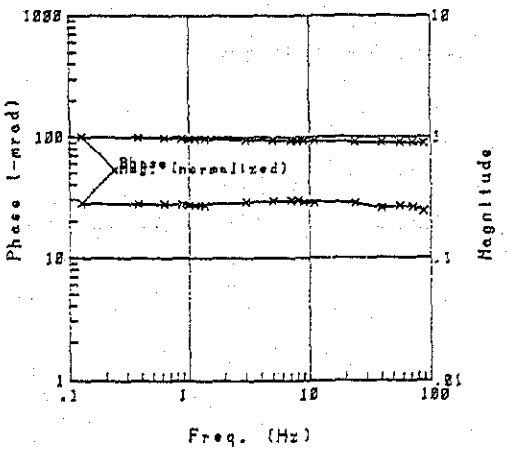

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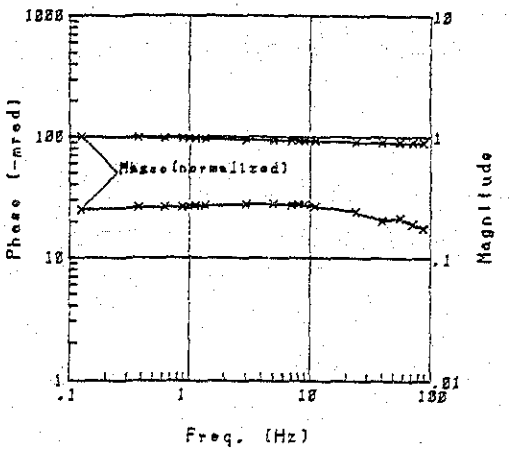
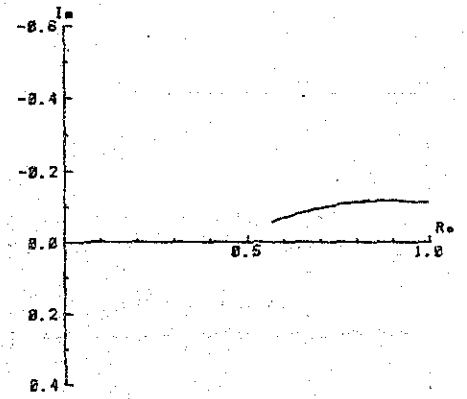
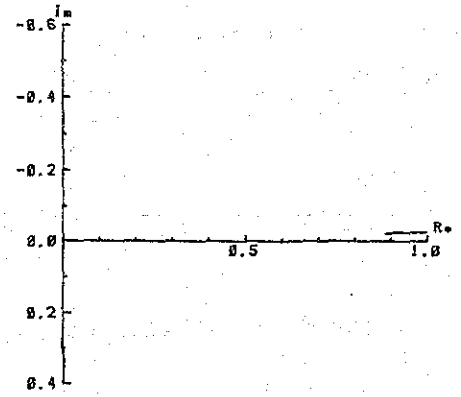


NO. 10 Cole-Cole Diagram



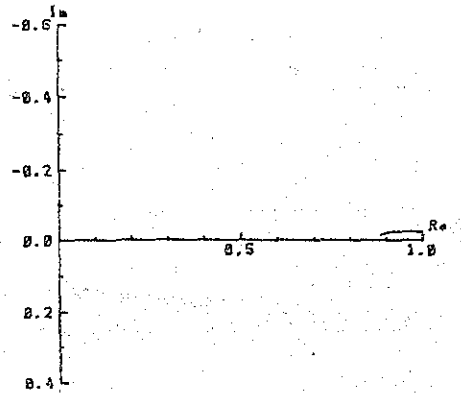
R o c k : Basaltic andesite
Spectrum : D type
P h a s e : 114.0 -m rad
P F E : 20.2 %
Resistivity : 5,690 ohm-m

NO. 11 Cole-Cole Diagram



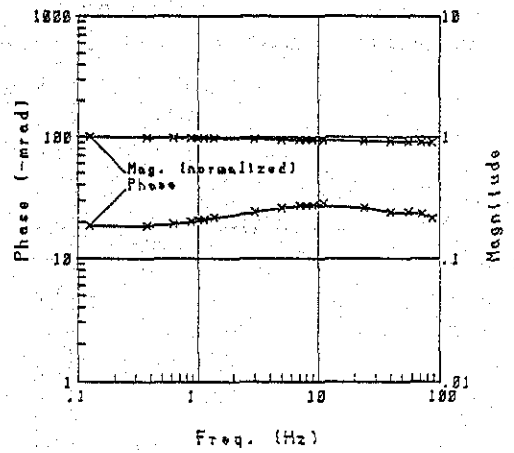
R o c k : Porphyritic granite pg1
Spectrum : B type
P h a s e : 27.9 -m rad
P F E : 3.8 %
Resistivity : 1,440 ohm-m

NO. 12 Cole-Cole Diagram



R o c k : Porphyritic granite pg2
Spectrum : B type
P h a s e : 24.7 -m rad
P F E : 3.6 %
Resistivity : 1,630 ohm-m

NO. 13



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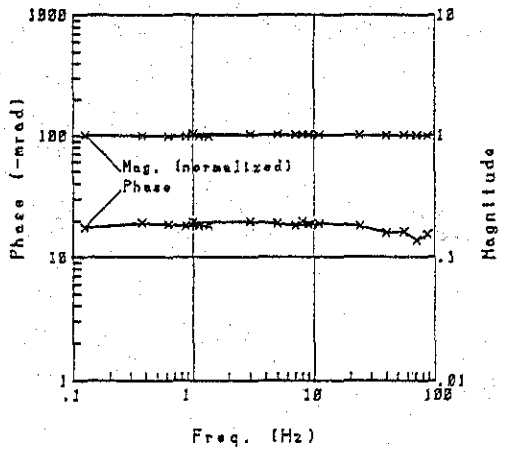
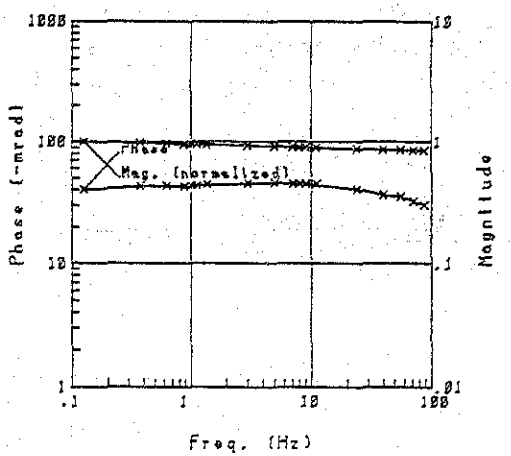
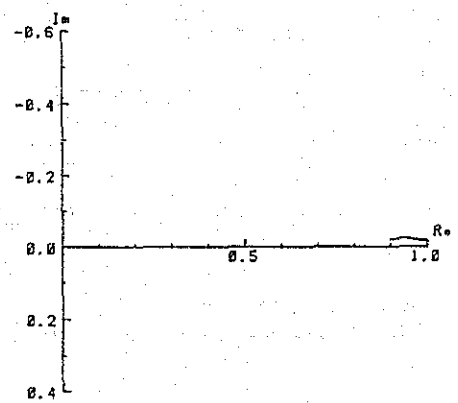


NO. 15

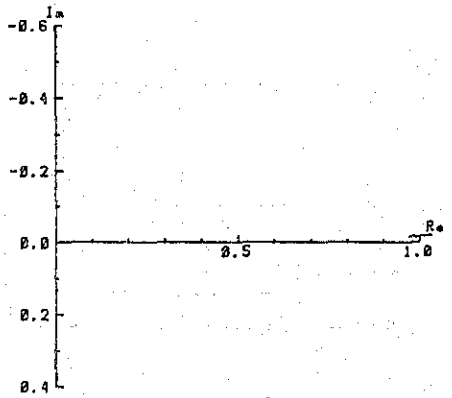


NO. 13 Cole-Cole Diagram



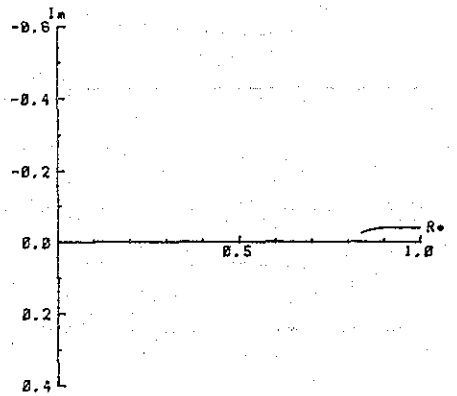
R o c k : Porphyritic granite pg1
Spectrum : 0 type
P h a s e : 18.7 -m rad
P F E : 2.5 %
Resistivity : 892 ohm-m

NO. 14 Cole-Cole Diagram



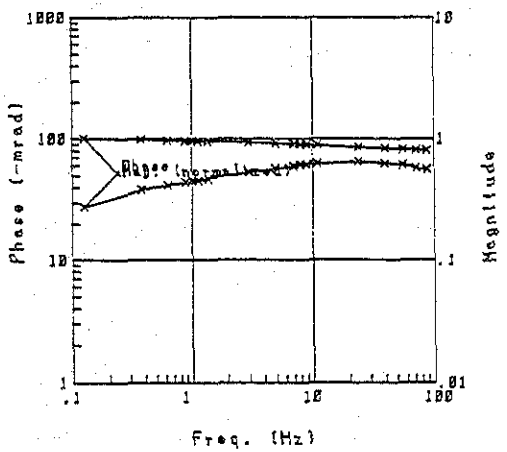
R o c k : Porphyritic granite pg2
Spectrum : B type
P h a s e : 17.5 -m rad
P F E : 2.6 %
Resistivity : 3,720 ohm-m

NO. 15 Cole-Cole Diagram

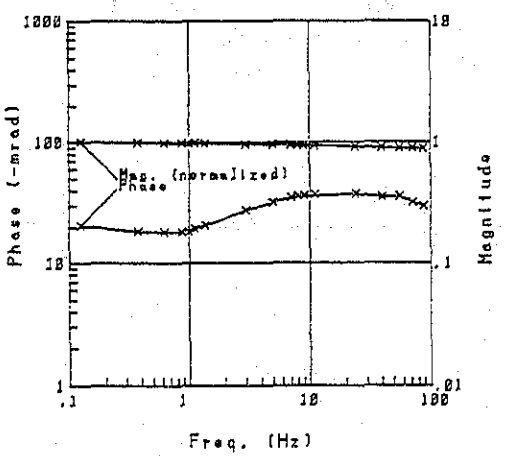


R o c k : Porphyritic granite pg2
Spectrum : B type
P h a s e : 40.1 -m rad
P F E : 6.0 %
Resistivity : 1,580 ohm-m

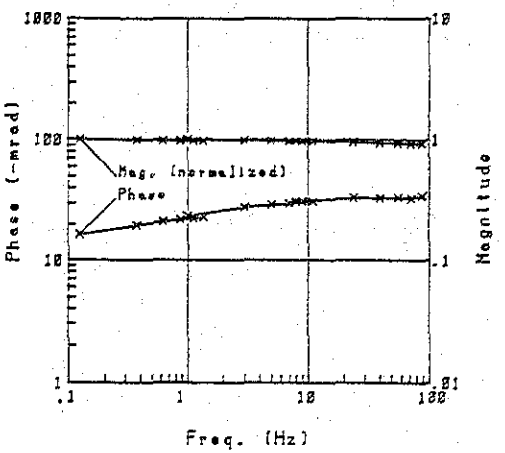
NO. 16



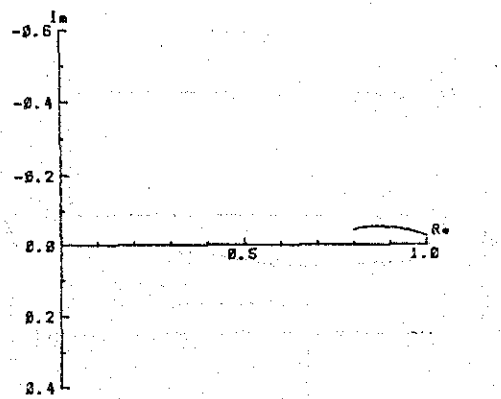
NO. 17



NO. 18

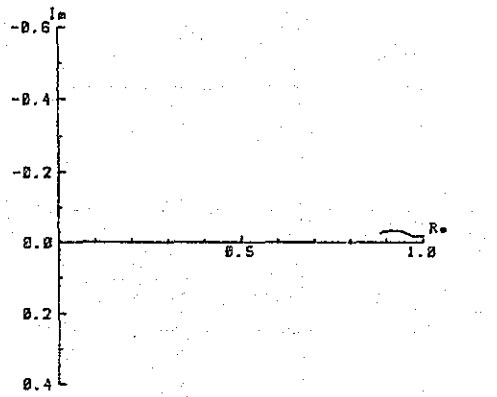


NO. 16 Cole-Cole Diagram



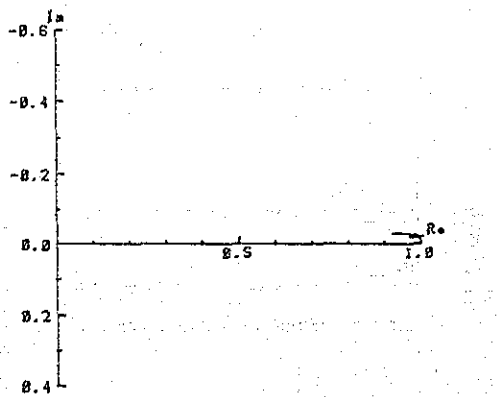
R o c k : Porphyritic granite pg1
Spectrum : D type
P h a s e : 27.6 -m rad
P F E : 5.2 %
Resistivity : 889 ohm-m

NO. 17 Cole-Cole Diagram



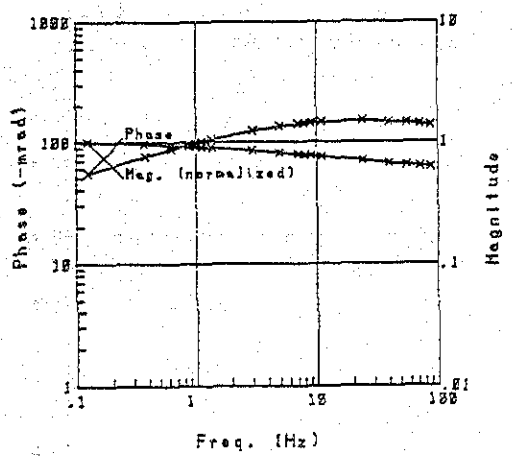
R o c k : Porphyritic granite pg2
Spectrum : E type
P h a s e : 20.5 -m rad
P F E : 2.4 %
Resistivity : 405 ohm-m

NO. 18 Cole-Cole Diagram

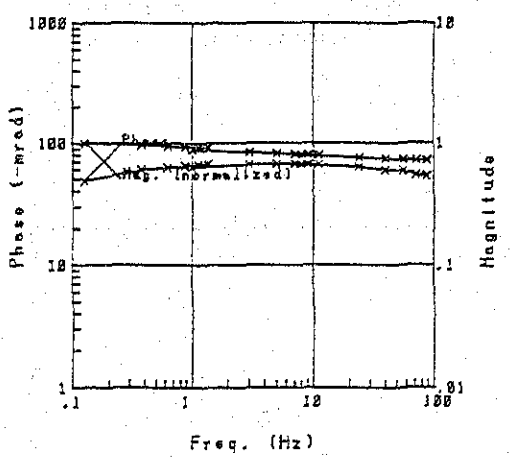


R o c k : Porphyritic granite pg1
Spectrum : D type
P h a s e : 16.4 -m rad
P F E : 2.7 %
Resistivity : 7,300 ohm-m

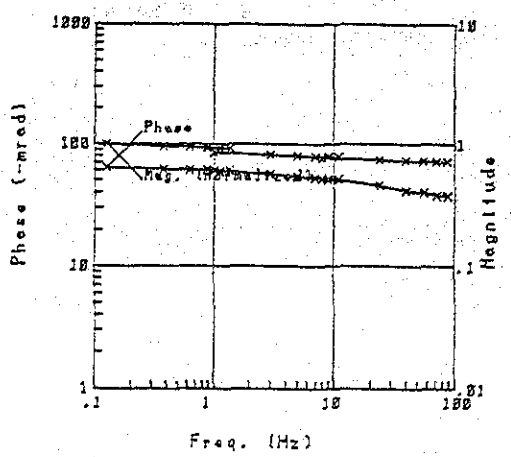
NO. 19



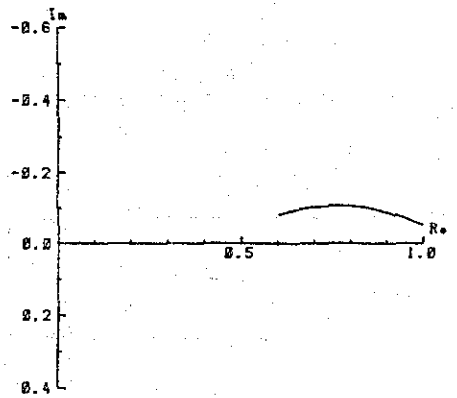
NO. 20



NO. 21

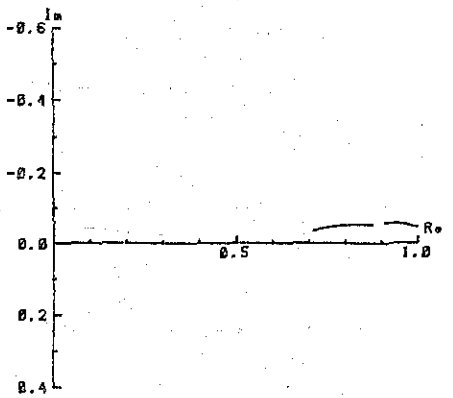


NO. 19 Cole-Cole Diagram



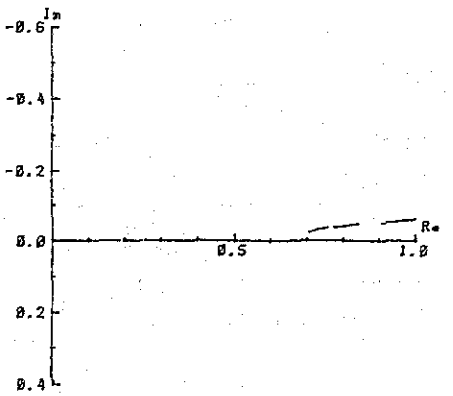
R o c k : Porphyritic granite pgl
Spectrum : D type
P h a s e : 54.5 -m rad
P F E : 10.2 %
Resistivity : 2,530 ohm-m

NO. 20 Cole-Cole Diagram



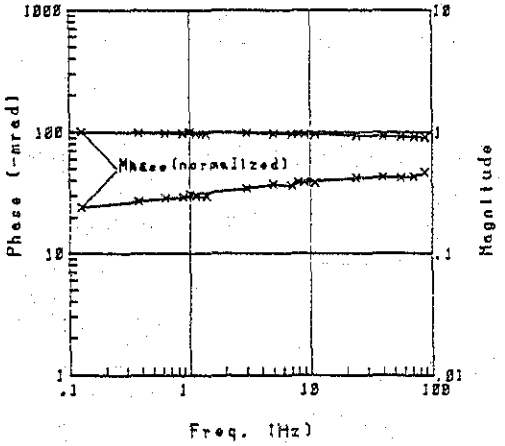
R o c k : Porphyritic granite pgl
Spectrum : D type
P h a s e : 47.9 -m rad
P F E : 8.3 %
Resistivity : 1,600 ohm-m

NO. 21 Cole-Cole Diagram

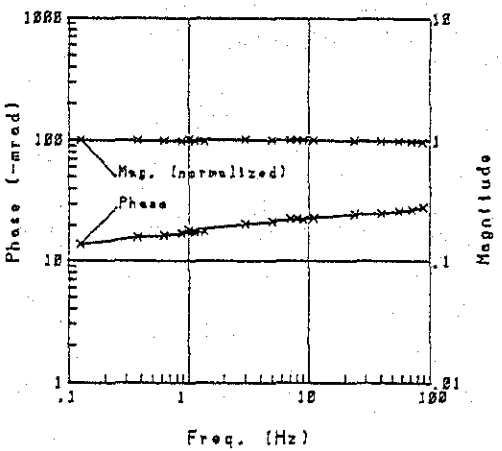


R o c k : Porphyritic granite pgl
Spectrum : Y type
P h a s e : 62.7 -m rad
P F E : 8.5 %
Resistivity : 4,200 ohm-m

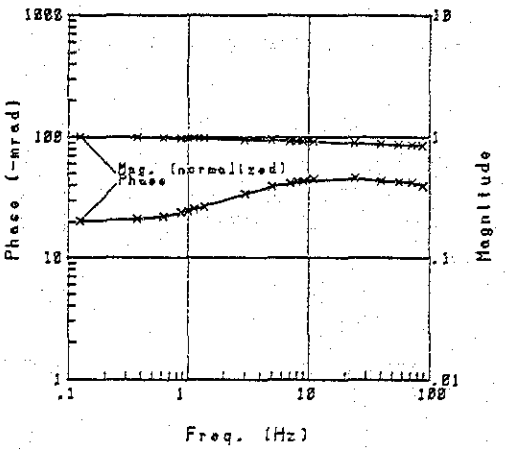
NO. 22



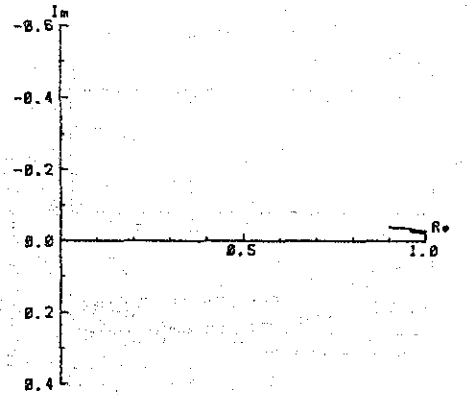
NO. 23



NO. 24

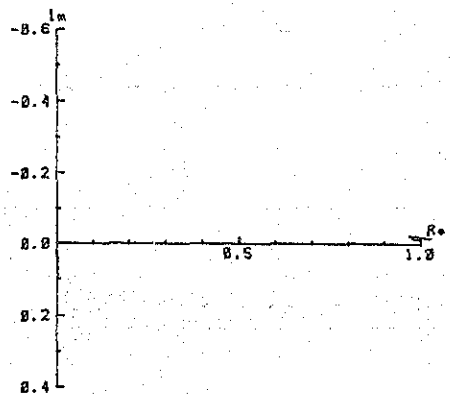


NO. 22 Cole-Cole Diagram



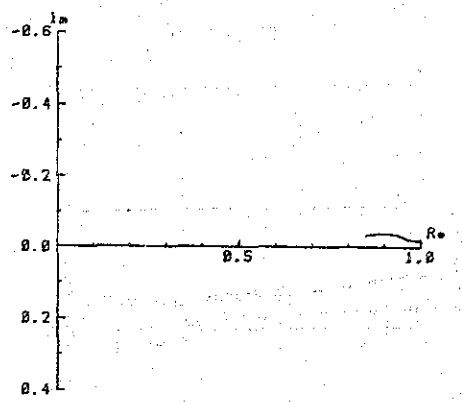
R o c k : Porphyritic granite pgl
Spectrum : A type
P h a s e : 24.0 -m rad
P F E : 3.7 %
Resistivity : 6,700 ohm-m

NO. 23 Cole-Cole Diagram



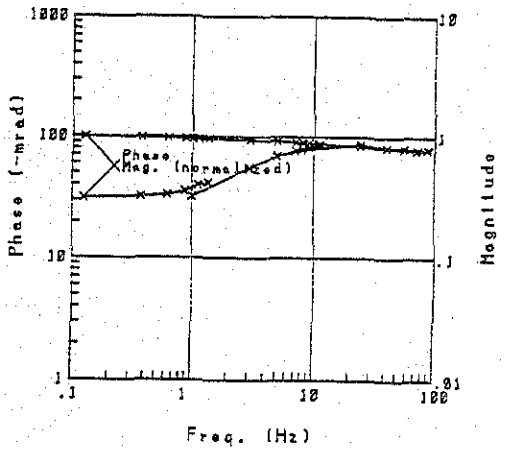
R o c k : Qurtz vein
Spectrum : A type
P h a s e : 13.8 -m rad
P F E : 2.2 %
Resistivity : 3,120 ohm-m

NO. 24 Cole-Cole Diagram

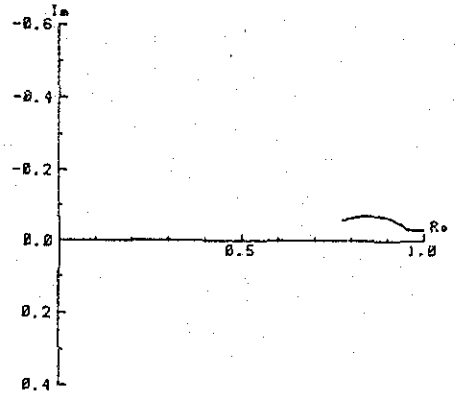


R o c k : Porphyritic granite pgl
Spectrum : E type
P h a s e : 20.3 -m rad
P F E : 2.7 %
Resistivity : 911 ohm-m

NO. 25



NO. 25 Cole-Cole Diagram

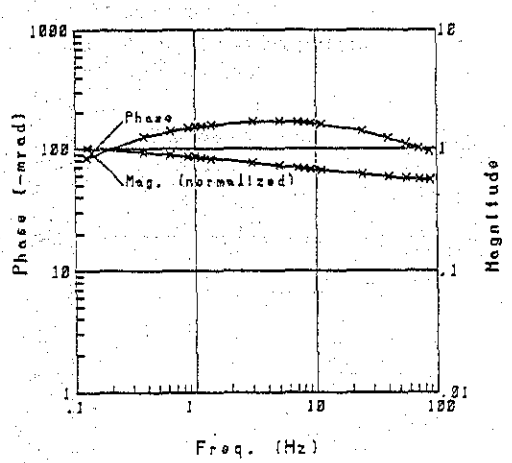


R o c k : Porphyritic granite pgl
Spectrum : E type
P h a s e : 31.2 -m rad
P F E : 3.9 %
Resistivity : 195 ohm-m

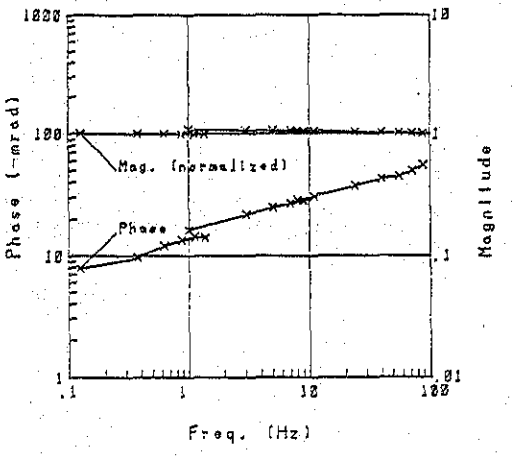
Karadag Area

Phase spectra and Cole-Cole diagrams of Core samples

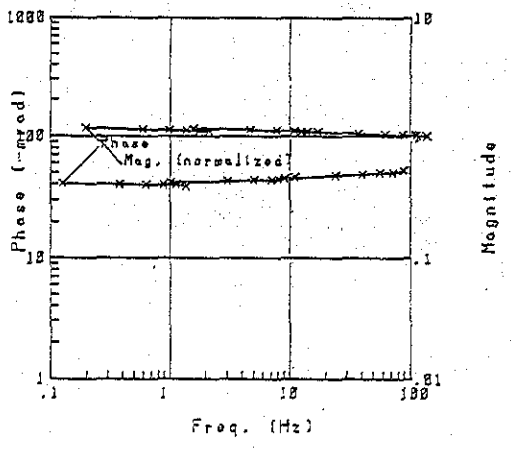
NO. 1



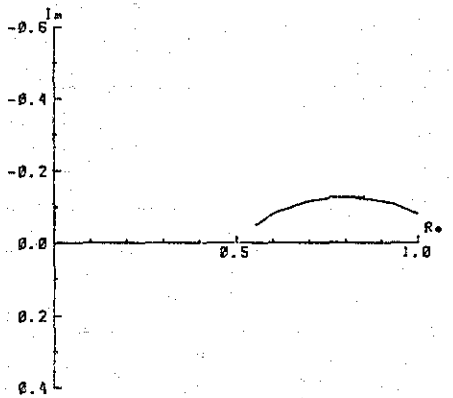
NO. 2



NO. 3

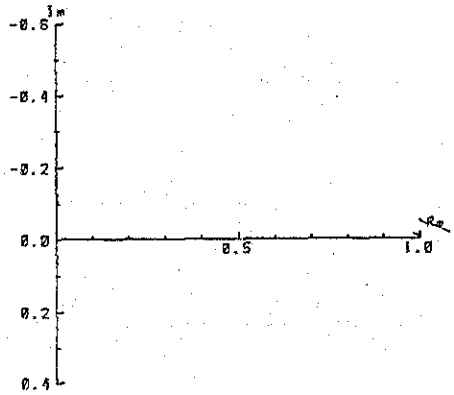


NO. 1 Cole-Cole Diagram



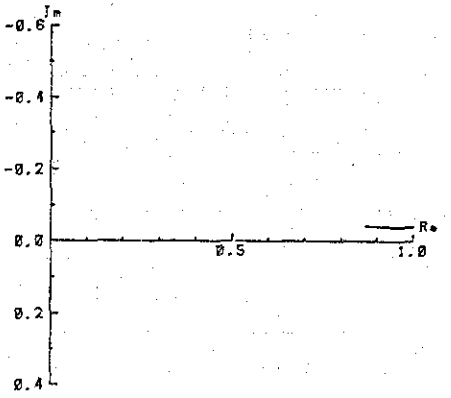
R o c k : Andesite
Spectrum : X type
P h a s e : 83.2 -m rad
P F E : 18.1 %
Resistivity : 454 ohm-m

NO. 2 Cole-Cole Diagram



R o c k : Andesite
Spectrum : A type
P h a s e : 7.8 -m rad
P F E : 1.4 %
Resistivity : 18,700 ohm-m

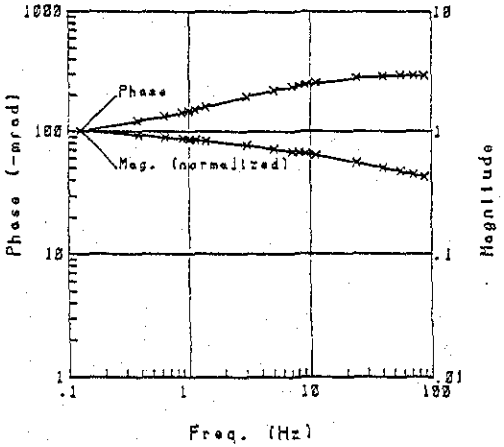
NO. 3 Cole-Cole Diagram



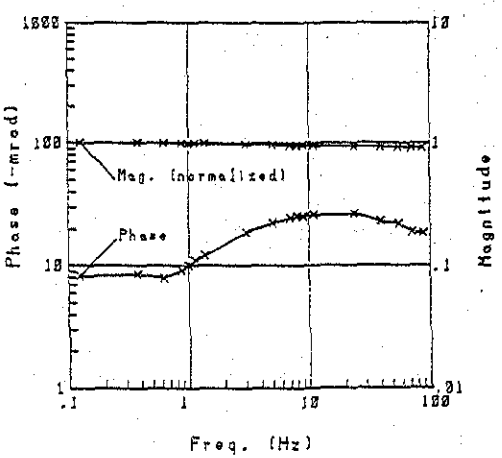
R o c k : Granodiorite
Spectrum : B type
P h a s e : 40.5 -m rad
P F E : 5.5 %
Resistivity : 5,260 ohm-m

61

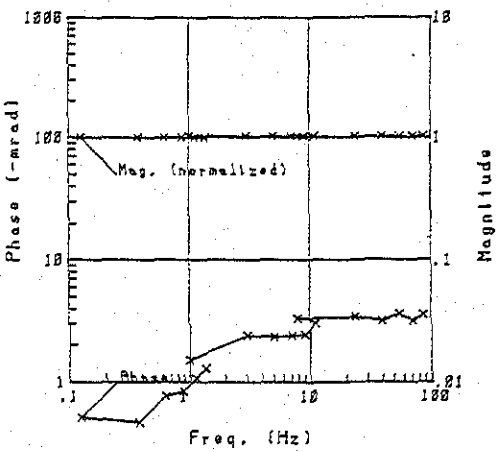
NO. 4



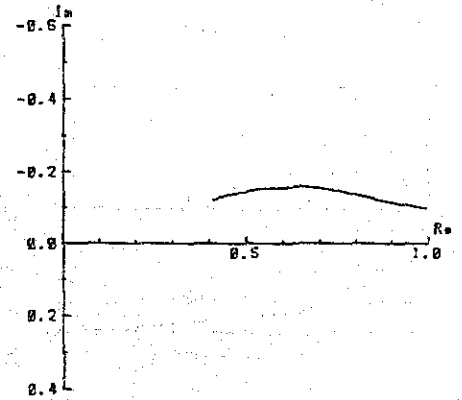
NO. 5



NO. 6

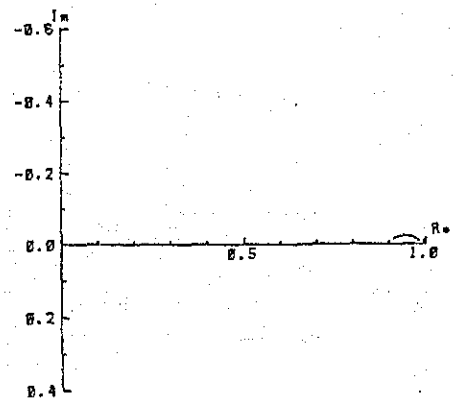


NO. 4 Cole-Cole Diagram



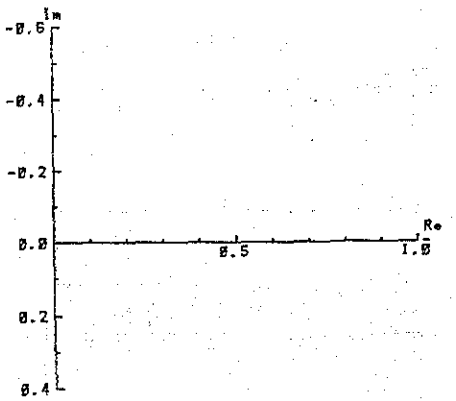
R o c k : Granodiorite
Spectrum : D type
P h a s e : 99.0 -m rad
P F E : 16.4 %
Resistivity : 226 ohm-m

NO. 5 Cole-Cole Diagram



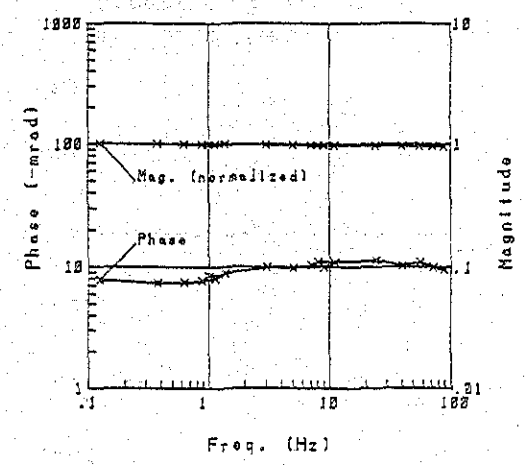
R o c k : Skarn
Spectrum : E type
P h a s e : 8.2 -m rad
P F E : 0.7 %
Resistivity : 499 ohm-m

NO. 6 Cole-Cole Diagram

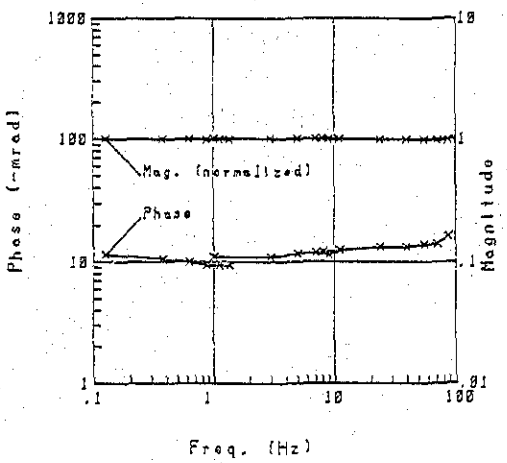


R o c k : Limestone
Spectrum : A type
P h a s e : 0.5 -m rad
P F E : 0.1 %
Resistivity : 8,530 ohm-m

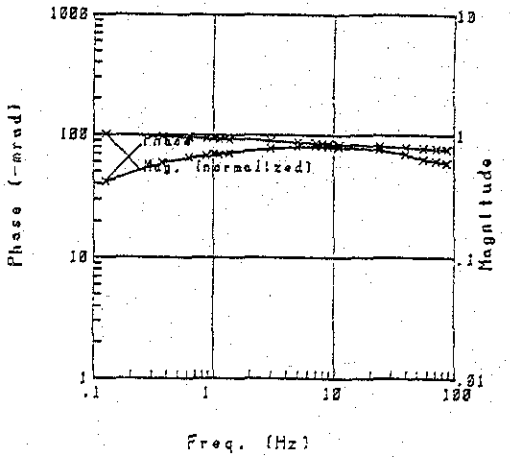
NO. 7



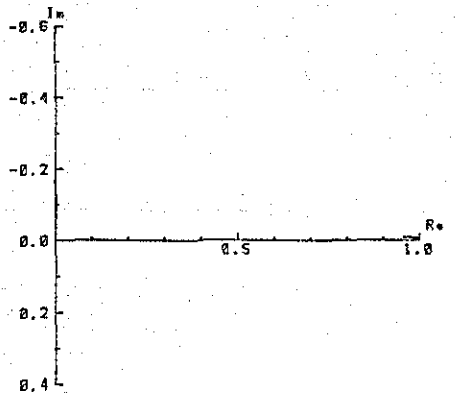
NO. 8



NO. 9

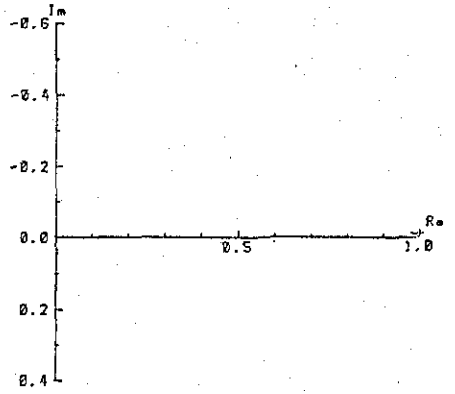


NO. 7 Cole-Cole Diagram



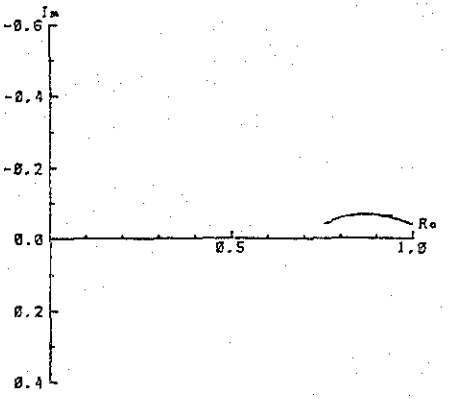
R o c k : Limestone
Spectrum : E type
P h a s e : 7.7 -m rad
P F E : 0.9 %
Resistivity : 4,560 ohm-m

NO. 8 Cole-Cole Diagram



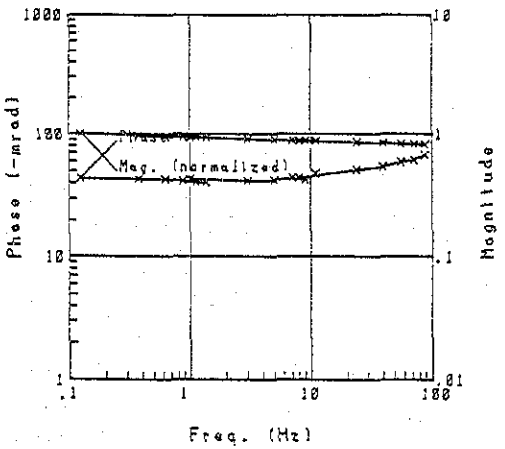
R o c k : Limestone
Spectrum : B type
P h a s e : 11.5 -m rad
P F E : 1.4 %
Resistivity : 8,790 ohm-m

NO. 9 Cole-Cole Diagram

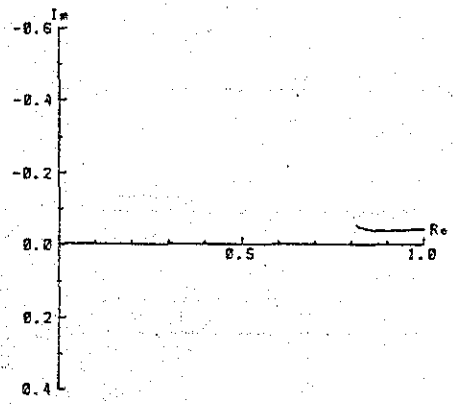


R o c k : Limestone
Spectrum : D type
P h a s e : 41.1 -m rad
P F E : 8.2 %
Resistivity : 1,140 ohm-m

NO. 10



NO. 10 Cole-Cole Diagram



R o c k : Limestone

Spectrum :	B	type
P h a s e :	43.5	-m rad
P F E :	6.2	%
Resistivity :	21,000	ohm-m