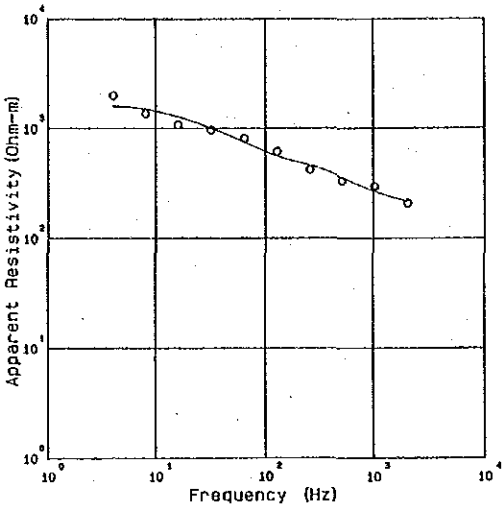
ECUADOR CSAMT No. 9

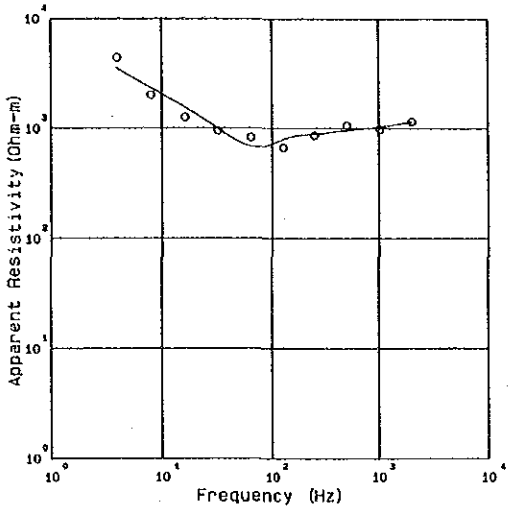


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	207	216
1024	298	287
512	334	356
256	422	464
128	618	563
64	816	754
32	958	1010
16	1080	1280
8	1370	1510
4	2000	1600

MODEL

Rho (Ohm-m)	Thickness (m)
224.8	138.8
1202.4	967.7
684.0	Infinite

ECUADOR CSAMT No. 10

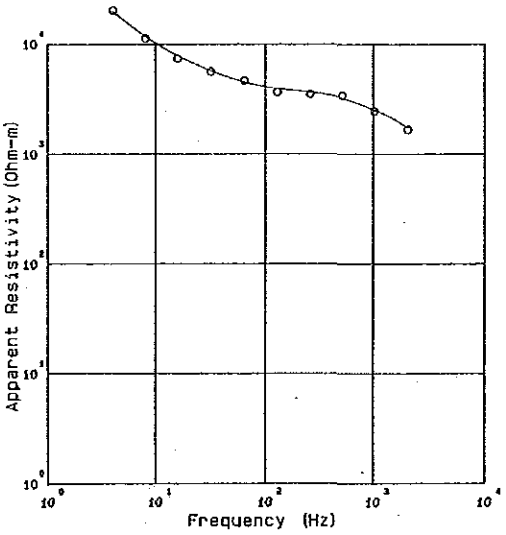


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	1150	1130
1024	979	1030
512	1070	957
256	866	887
128	669	792
64	830	681
32	951	992
16	1260	1550
8	2010	2340
4	4410	3530

MODEL

Rho (Ohm-m)	Thickness (m)
1314.0	177.2
754.3	1468.1
1470.0	Infinite

ECUADOR CSAMT No. 11

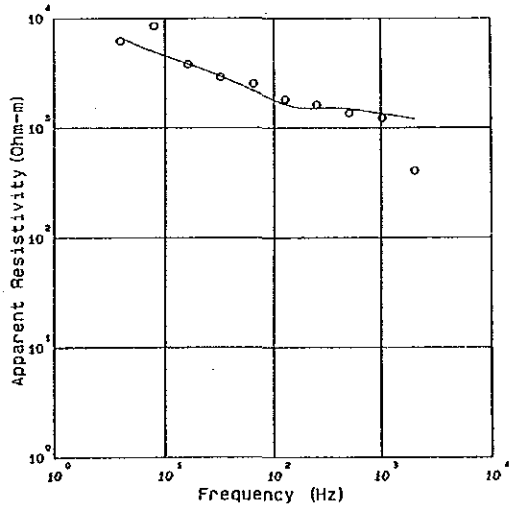


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	1670	1720
1024	2480	2530
512	3440	3230
256	3540	3660
128	3680	3950
64	4870	4530
32	5650	5740
16	7430	7690
8	11200	11800
4	20300	19800

MODEL

Rho (Ohm-m)	Thickness (m)
391.6	65.7
28421.8	1020.5
1839.8	Infinite

ECUADOR CSAMT No. 12

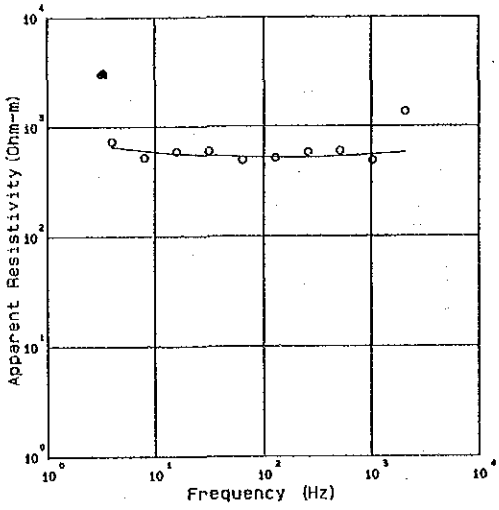


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	409	1200
1024	1240	1340
512	1350	1490
256	1630	1510
128	1820	1640
64	2540	2180
32	2910	2960
16	3830	3850
8	8490	4950
4	6180	6750

MODEL

Rho (Ohm-m)	Thickness (m)
1005.6	150.9
1972.0	Infinite

ECUADOR CSAMT No. 13

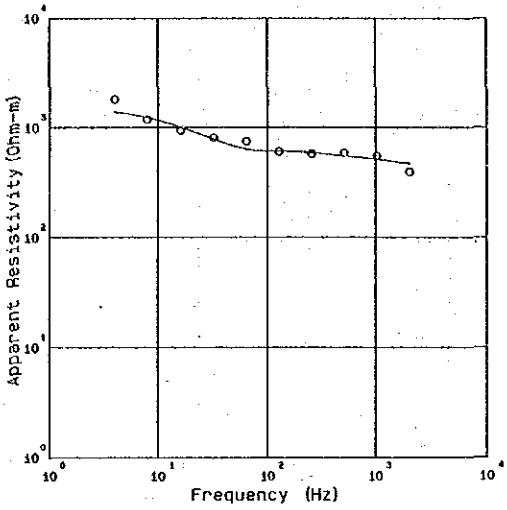


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	1360	579
1024	487	553
512	598	534
256	581	520
128	518	522
64	493	530
32	600	547
16	593	566
8	522	604
4	735	656

MODEL

Rho (Ohm-m)	Thickness (m)
691.1	74.8
489.4	1596.0
238.1	Infinite

ECUADOR CSAMT No. 14

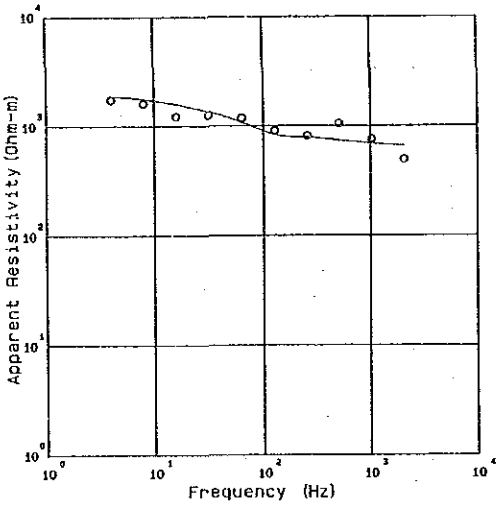


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	394	469
1024	553	513
512	589	553
256	576	593
128	605	610
64	749	639
32	807	788
16	948	1010
8	1180	1230
4	1810	1390

MODEL

Rho (Ohm-m)	Thickness (m)
408.8	97.6
694.7	1025.4
3491.7	61.4
571.5	Infinite

ECUADOR CSAMT No. 15

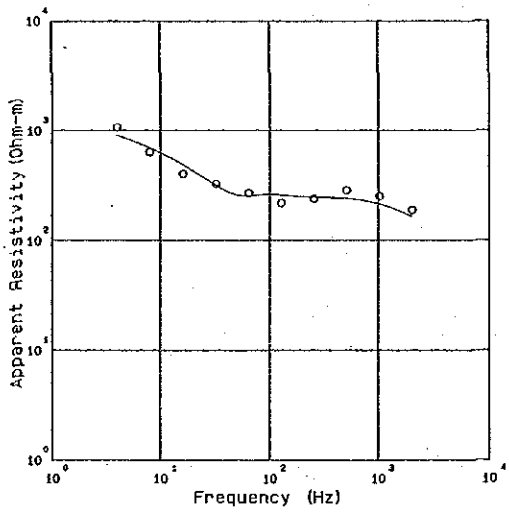


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	494	659
1024	760	693
512	1050	737
256	810	789
128	909	834
64	1180	1080
32	1270	1360
16	1230	1600
8	1620	1780
4	1750	1900

MODEL

Rho (Ohm-m)	Thickness (m)
495.5	38.0
776.6	344.0
1057.5	1768.4
517.2	Infinite

ECUADOR CSAMT No. 16

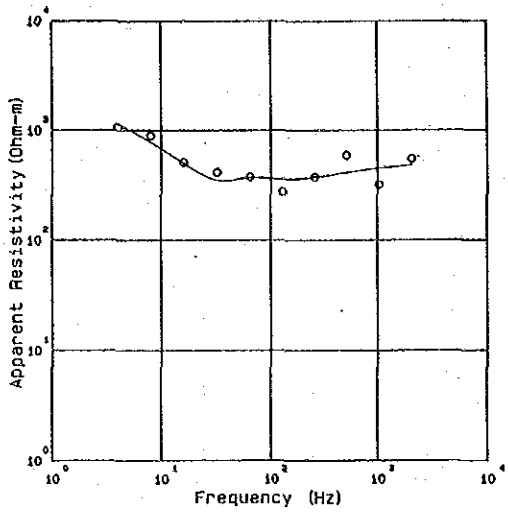


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	188	164
1024	252	215
512	285	242
256	239	248
128	218	260
64	270	255
32	327	317
16	404	490
8	638	701
4	1070	910

MODEL

Rho (Ohm-m)	Thickness (m)
78.5	43.1
4545.4	147.2
222.3	327.7
424.8	Infinite

ECUADOR CSAMT No. 17

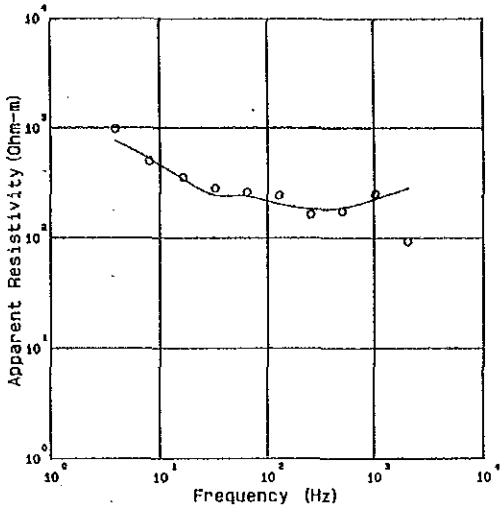


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	550	483
1024	320	451
512	597	414
256	374	376
128	276	358
64	378	373
32	417	350
16	516	505
8	904	788
4	1070	1150

MODEL

Rho (Ohm-m)	Thickness (m)
507.7	147.1
333.1	670.7
746.7	Infinite

ECUADOR CSAMT No. 18

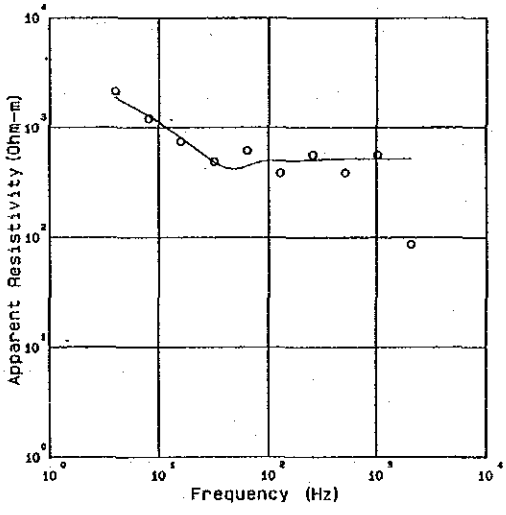


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	93.0	282
1024	252	225
512	174	188
256	163	183
128	245	204
64	262	242
32	284	245
16	357	345
8	499	530
4	990	760

MODEL

Rho (Ohm-m)	Thickness (m)
304.3	131.9
105.7	142.6
509.9	Infinite

ECUADOR CSAMT No. 19

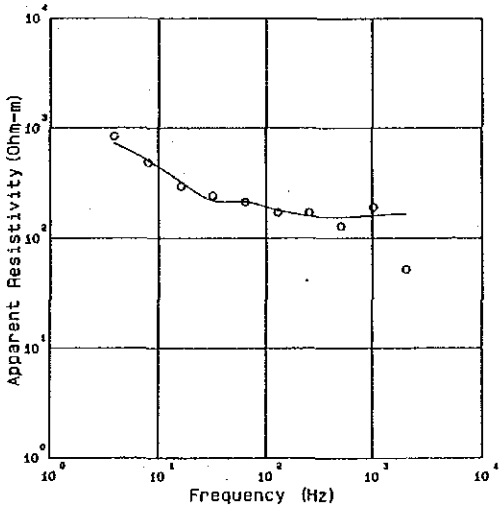


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	88.9	519
1024	572	519
512	390	520
256	570	510
128	387	500
64	622	447
32	493	486
16	751	816
8	1210	1280
4	2140	1890

MODEL

Rho (Ohm-m)	Thickness (m)
519.2	1319.5
1104.8	Infinite

ECUADOR CSAMT No. 20

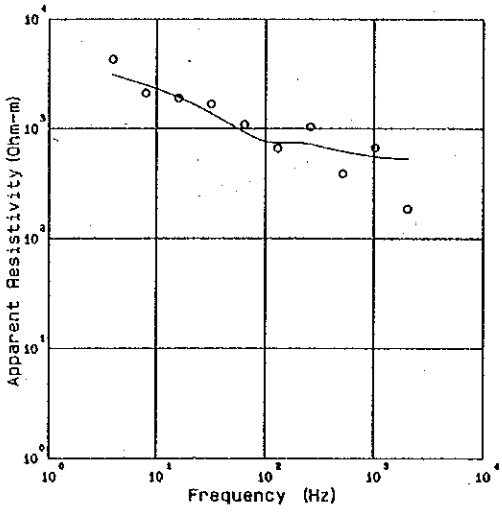


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	52.0	166
1024	193	161
512	128	154
256	172	159
128	172	180
64	214	216
32	244	220
16	299	326
8	489	510
4	846	733

MODEL

Rho (Ohm-m)	Thickness (m)
165.9	359.2
491.1	Infinite

ECUADOR CSAMT No. 21

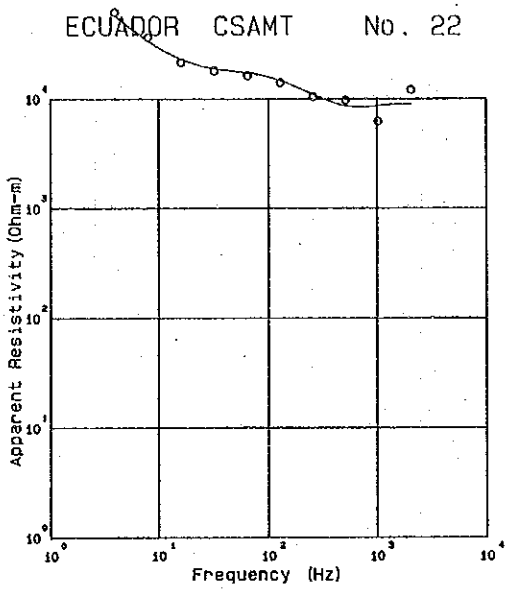


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	186	530
1024	674	556
512	390	623
256	1040	724
128	664	742
64	1090	928
32	1670	1370
16	1890	1930
8	2100	2500
4	4300	3110

MODEL

Rho (Ohm-m)	Thickness (m)
560.7	297.9
1295.5	Infinite

ECUADOR CSAMT No. 22

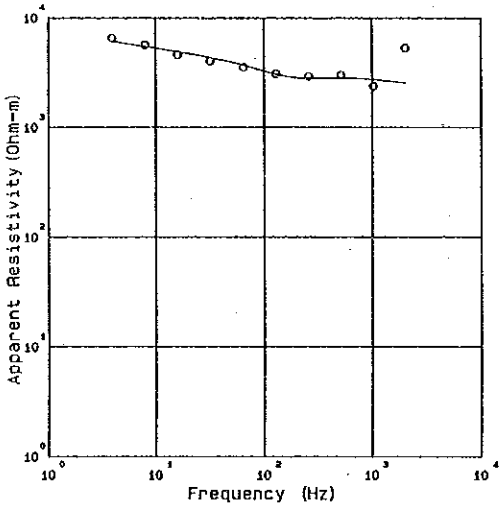


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	12000	8890
1024	6240	8610
512	9710	8560
256	10400	10900
128	14100	14600
64	16200	17200
32	18100	16800
16	21600	23000
8	35500	33800
4	61600	58100

MODEL

Rho (Ohm-m)	Thickness (m)
6889.3	12706.8
3860931.5	Infinite

ECUADOR CSAMT No. 23

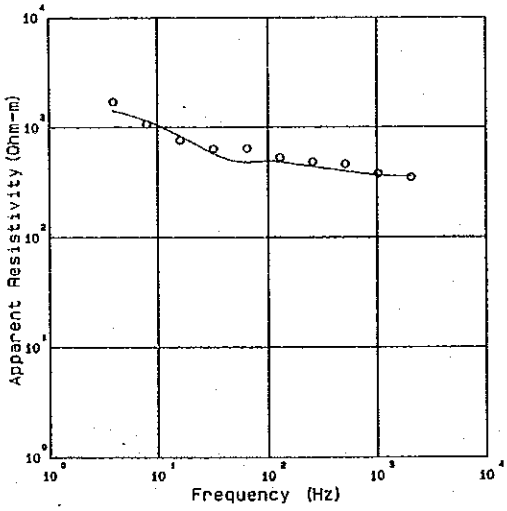


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	5340	2650
1024	2380	2730
512	3010	2840
256	2930	2910
128	3110	3050
64	3550	3720
32	4030	4350
16	4820	4930
8	5670	5500
4	6550	6170

MODEL

Rho (Ohm-m)	Thickness (m)
2321.5	211.0
3134.4	1025.0
2099.2	5938.5
4646.3	Infinite

ECUADOR CSAMT No. 24

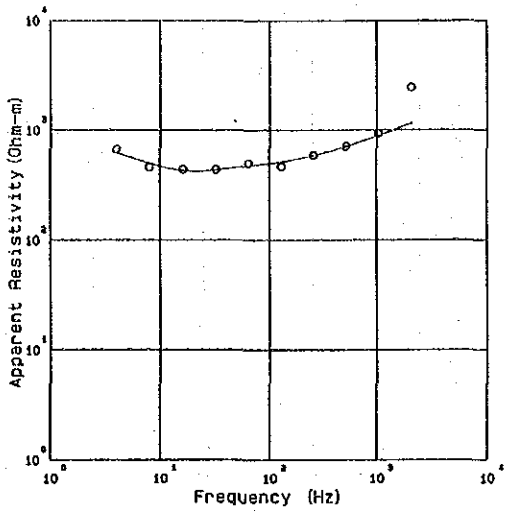


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	349	355
1024	380	367
512	465	399
256	485	440
128	532	487
64	546	484
32	539	578
16	769	839
8	1070	1150
4	1710	1420

MODEL

Rho (Ohm-m)	Thickness (m)
371.6	271.3
1465.2	45.3
658.7	Infinite

ECUADOR CSAMT No. 25

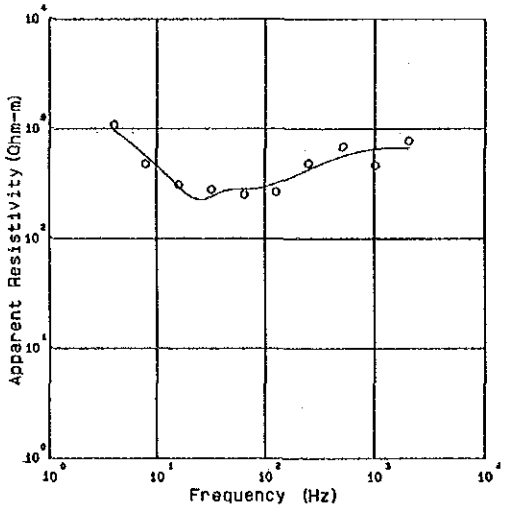


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	2450	1160
1024	934	884
512	714	710
256	593	590
128	487	517
64	502	473
32	438	433
16	439	426
8	461	502
4	671	627

MODEL

Rho (Ohm-m)	Thickness (m)
1748.6	198.7
345.6	1334.2
212.5	Infinite

ECUADOR CSAMT No. 26

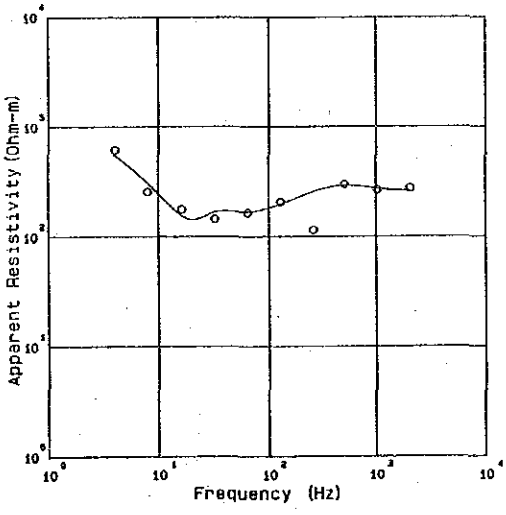


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	779	665
1024	468	655
512	692	564
256	487	427
128	267	320
64	252	281
32	281	241
16	309	296
8	481	572
4	1090	958

MODEL

Rho (Ohm-m)	Thickness (m)
612.2	367.9
148.0	435.5
870.1	Infinite

ECUADOR CSAMT No. 27

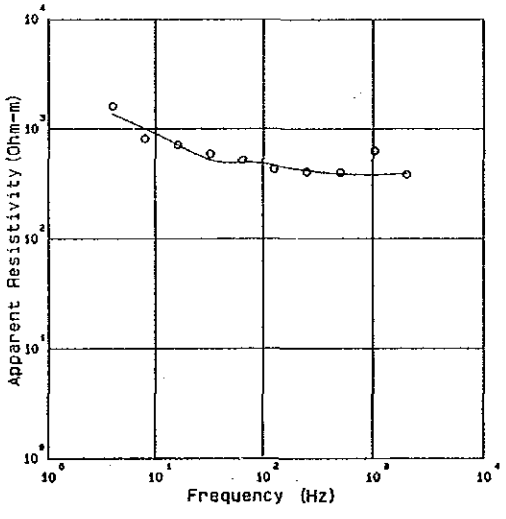


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	274	261
1024	264	275
512	300	292
256	114	256
128	207	197
64	164	167
32	144	167
16	177	154
8	256	309
4	619	557

MODEL

Rho (Ohm-m)	Thickness (m)
263.1	483.1
21.9	60.8
620.7	Infinite

ECUADOR CSAMT No. 28

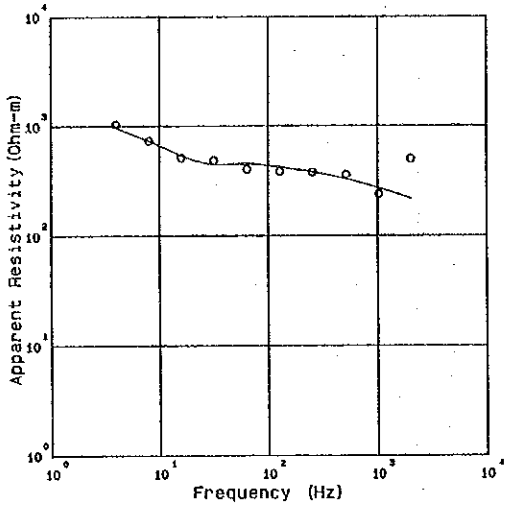


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	386	392
1024	834	382
512	401	388
256	409	419
128	431	458
64	521	499
32	596	527
16	718	719
8	815	1010
4	1620	1370

MODEL

Rho (Ohm-m)	Thickness (m)
398.7	397.3
761.2	Infinite

ECUADOR CSAMT No. 29

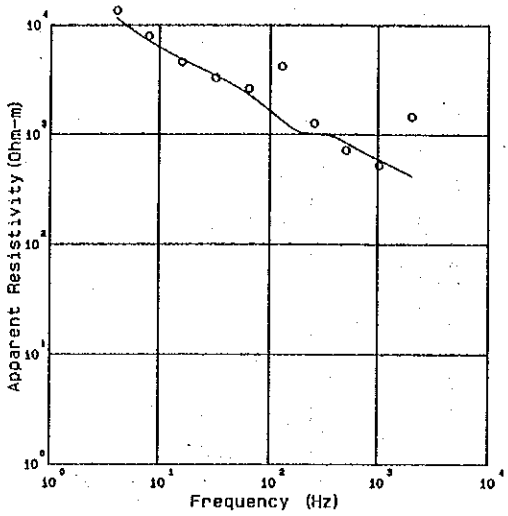


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	500	217
1024	239	272
512	360	328
256	380	381
128	385	424
64	404	454
32	488	480
16	516	543
8	737	736
4	1040	971

MODEL

Rho (Ohm-m)	Thickness (m)
125.8	42.2
560.0	Infinite

ECUADOR CSAMT No. 30

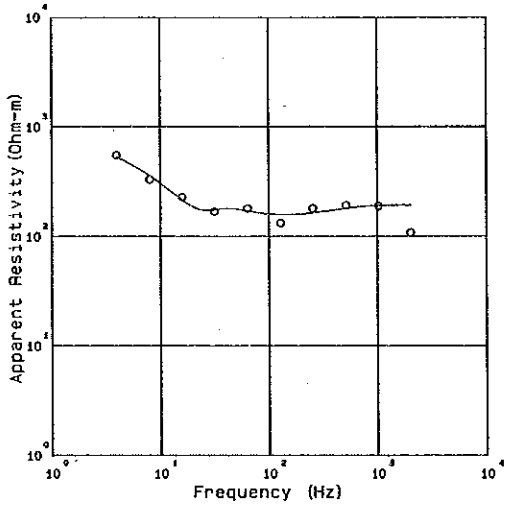


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	1460	420
1024	528	592
512	723	845
256	1270	1020
128	4210	1340
64	2630	2320
32	3300	3460
16	4630	4880
8	7910	7190
4	13600	11500

MODEL

Rho (Ohm-m)	Thickness (m)
345.6	125.3
3182.0	9024.5
11511.2	Infinite

ECUADOR CSAMT No. 31

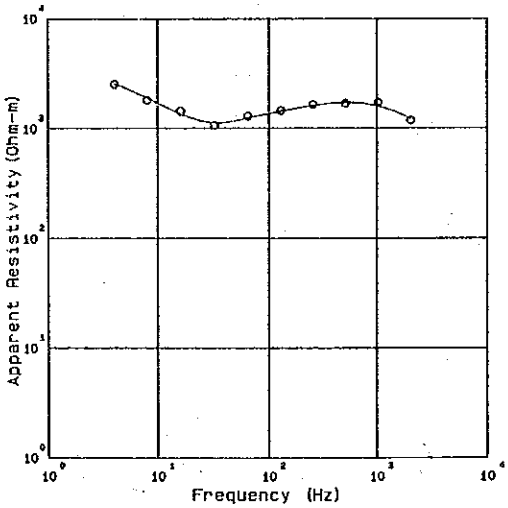


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	198	192
1024	189	191
512	192	179
256	180	163
128	131	157
64	179	170
32	168	174
16	228	215
8	331	358
4	552	534

MODEL

Rho (Ohm-m)	Thickness (m)
188.4	192.4
140.0	320.7
404.7	Infinite

ECUADOR CSAMT No. 32

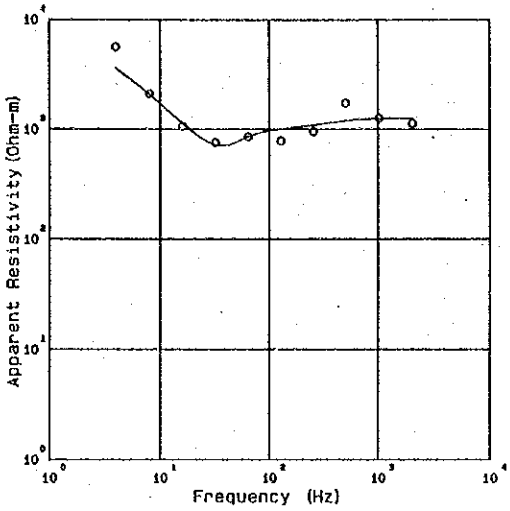


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	1180	1220
1024	1730	1600
512	1690	1720
256	1650	1810
128	1460	1430
64	1290	1240
32	1070	1120
16	1440	1360
8	1810	1900
4	2530	2560

MODEL

Rho (Ohm-m)	Thickness (m)
152.5	19.7
3732.1	654.9
788.3	3749.0
2241.9	Infinite

ECUADOR CSAMT No. 33

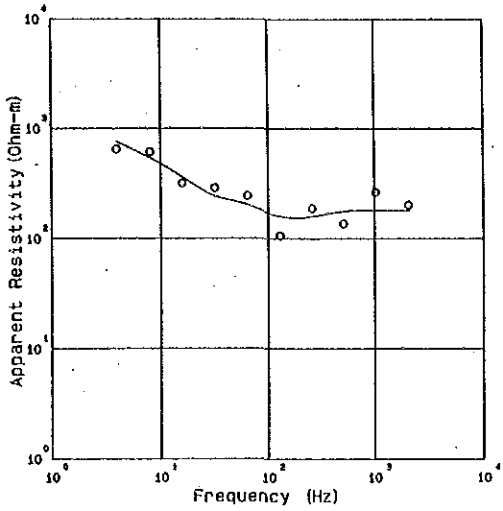


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	1130	1240
1024	1260	1250
512	1730	1190
256	957	1090
128	785	1000
64	881	855
32	754	719
16	1050	1130
8	2110	2080
4	5650	3600

MODEL

Rho (Ohm-m)	Thickness (m)
1209.2	553.2
679.7	3195.3
9332.5	Infinite

ECUADOR CSAMT No. 34

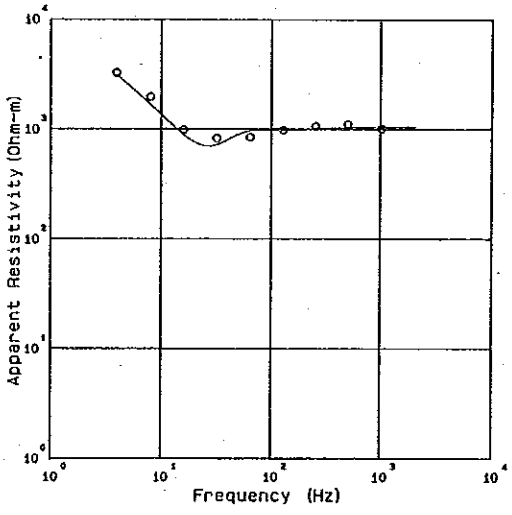


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	201	179
1024	264	180
512	136	176
256	188	158
128	106	158
64	244	203
32	289	243
16	319	364
8	617	543
4	653	767

MODEL

Rho (Ohm-m)	Thickness (m)
179.3	622.1
2639.7	1665.6
358.1	Infinite

ECUADOR CSAMT No. 35

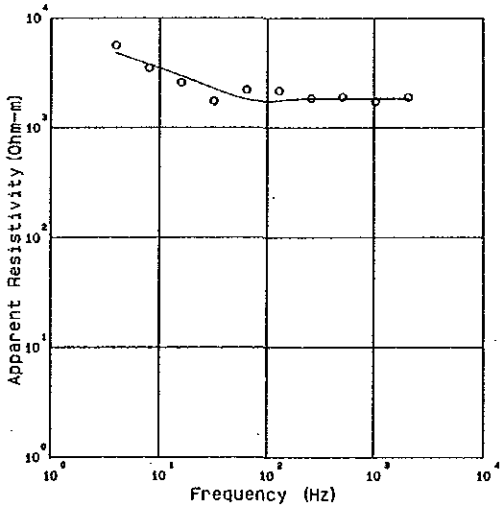


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	147000	1040
1024	1010	1040
512	1110	1030
256	1050	1000
128	981	981
64	842	968
32	822	720
16	991	891
8	1260	1680
4	3260	3130

MODEL

Rho (Ohm-m)	Thickness (m)
1039.7	483.3
896.1	4105.0
5629.1	Infinite

ECUADOR CSAMT No. 36

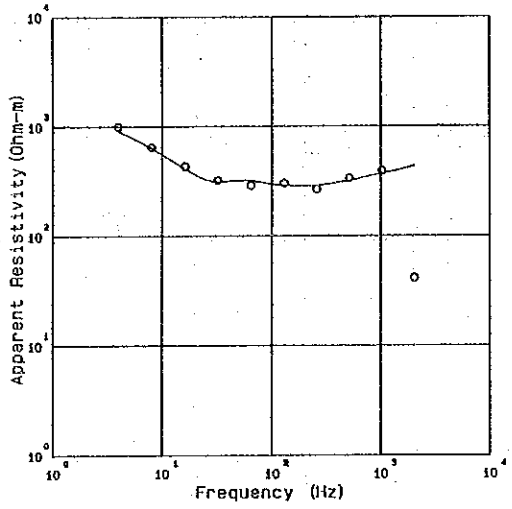


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	1900	1830
1024	1730	1830
512	1900	1830
256	1860	1830
128	2180	1760
64	2210	1800
32	1750	2270
16	2590	2970
8	3530	3780
4	5650	4830

MODEL

Rho (Ohm-m)	Thickness (m)
1837.9	Infinite

ECUADOR CSAMT No. 37

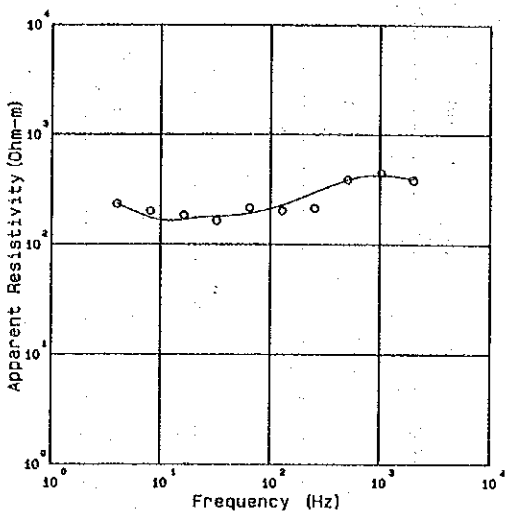


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	41.4	437
1024	395	372
512	338	320
256	268	289
128	304	280
64	291	319
32	324	313
16	437	415
8	653	641
4	1000	915

MODEL

Rho (Ohm-m)	Thickness (m)
1359.2	56.3
254.8	523.4
628.5	Infinite

ECUADOR CSAMT No. 38

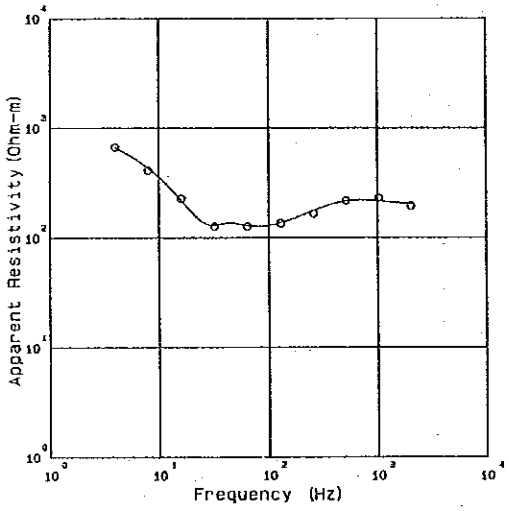


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	385	398
1024	449	432
512	390	390
256	214	298
128	201	228
64	216	192
32	165	180
16	185	168
8	201	175
4	233	236

MODEL

Rho (Ohm-m)	Thickness (m)
379.2	404.1
26.6	56.7
357.9	55.6
199.6	Infinite

ECUADOR CSAMT No. 39

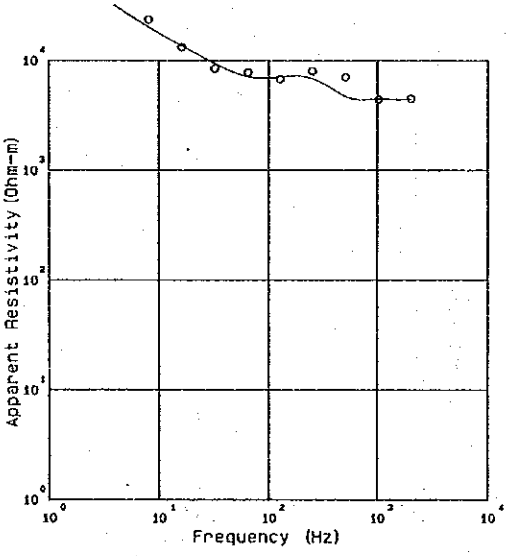


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	194	204
1024	232	217
512	218	217
256	166	176
128	135	137
64	126	129
32	127	130
16	229	220
8	412	434
4	674	669

MODEL

Rho (Ohm-m)	Thickness (m)
203.1	335.9
51.7	165.9
1195.0	3599.5
396.8	Infinite

ECUADOR CSAMT No. 40

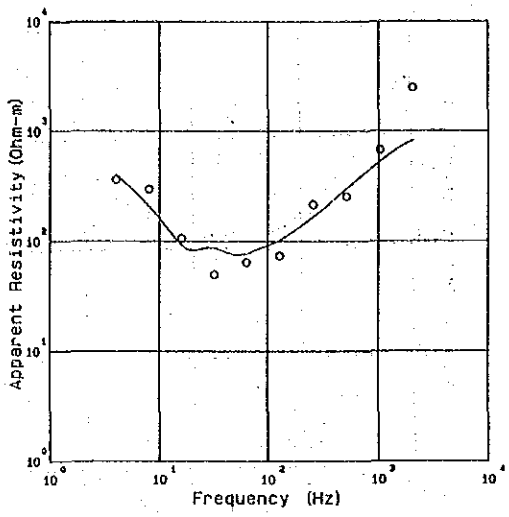


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	4490	4400
1024	4440	4440
512	7080	4880
256	8050	6830
128	8780	7070
64	7820	7120
32	8490	9360
16	13200	13600
8	23600	20200
4	42400	31800

MODEL

Rho (Ohm-m)	Thickness (m)
4626.6	1002.6
9541.7	2253.5
2021.8	1398.3
24761.1	Infinite

ECUADOR CSAMT No. 41

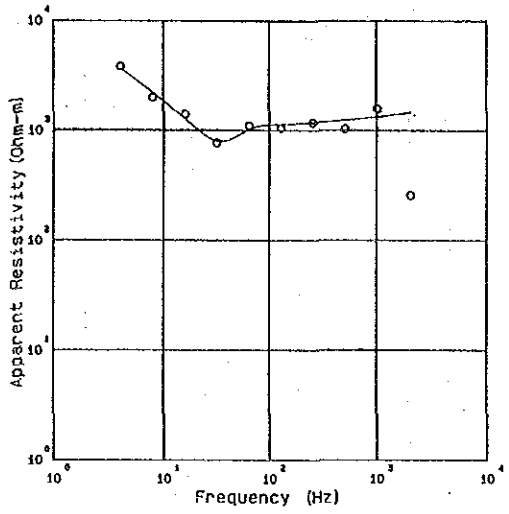


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	2500	831
1024	675	531
512	254	301
256	215	166
128	73.8	102
64	64.5	76.9
32	49.8	87.2
16	107	92.8
8	300	209
4	368	402

MODEL

Rho (Ohm-m)	Thickness (m)
736.5	275.3
.2	1.3
625.5	Infinite

ECUADOR CSAMT No. 42

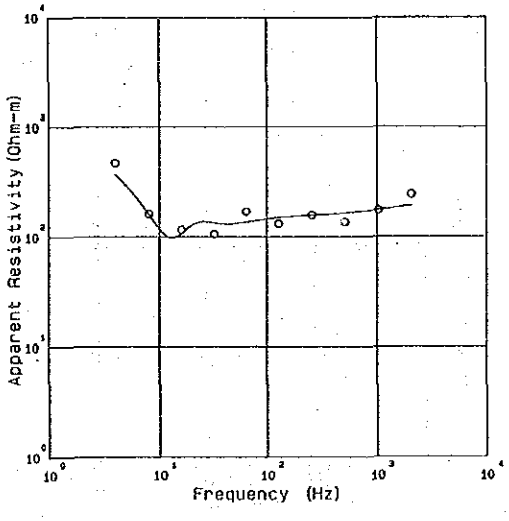


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	257	1470
1024	1600	1340
512	1040	1240
256	1180	1180
128	1050	1130
64	1110	1020
32	775	801
16	1410	1270
8	2000	2210
4	3820	3650

MODEL

Rho (Ohm-m)	Thickness (m)
1761.9	178.1
1017.3	3026.1
2764.5	Infinite

ECUADOR CSAMT No. 43

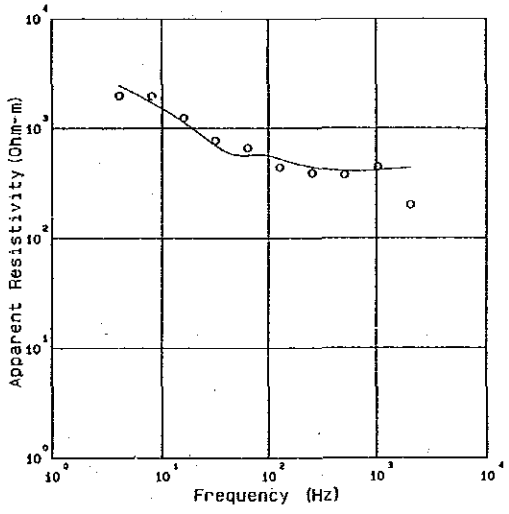


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	243	193
1024	173	176
512	136	164
256	158	157
128	131	149
64	170	136
32	106	134
16	116	107
8	162	159
4	472	370

MODEL

Rho (Ohm-m)	Thickness (m)
321.1	37.1
138.7	1105.2
750.4	Infinite

ECUADOR CSAMT No. 44

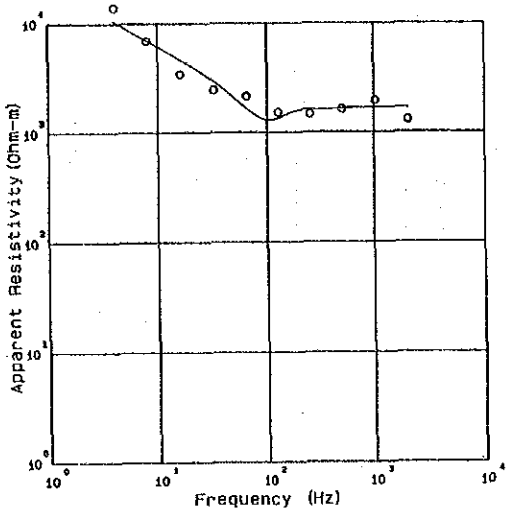


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	201	435
1024	448	415
512	377	407
256	393	443
128	442	529
64	666	570
32	782	703
16	1250	1140
8	1970	1730
4	1990	2460

MODEL

Rho (Ohm-m)	Thickness (m)
438.8	496.5
1392.5	Infinite

ECUADOR CSAMT No. 45

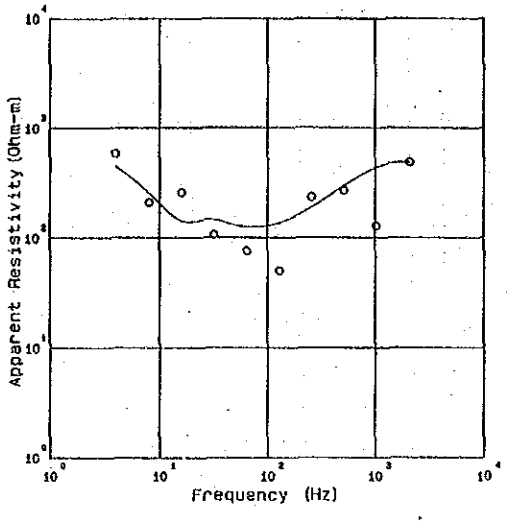


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	1300	1670
1024	1950	1680
512	1640	1540
256	1480	1510
128	1530	1340
64	2150	1660
32	2470	2940
16	3440	4590
8	6920	6980
4	14000	10400

MODEL

Rho (Ohm-m)	Thickness (m)
1679.3	1702.5
4049.4	Infinite

ECUADOR CSAMT No. 46

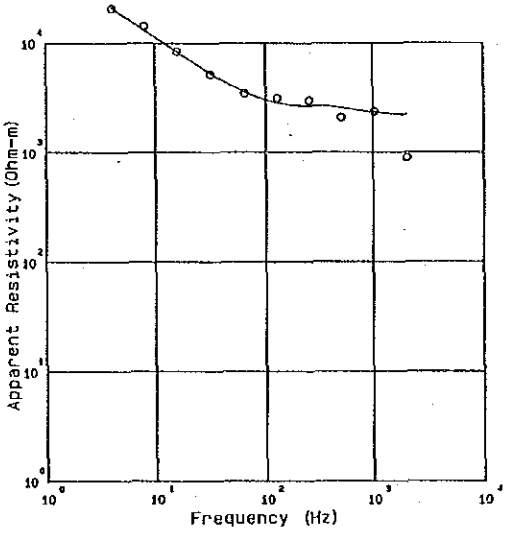


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	489	490
1024	428	440
512	269	296
256	234	198
128	50.0	136
64	75.9	125
32	106	146
16	260	141
8	211	254
4	591	445

MODEL

Rho (Ohm-m)	Thickness (m)
406.2	304.4
1.7	5.7
514.9	Infinite

ECUADOR CSAMT No. 47

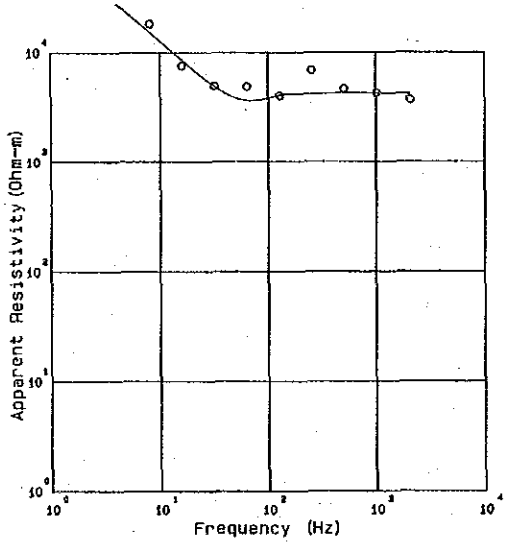


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	692	2190
1024	2370	2310
512	2070	2540
256	2980	2650
128	3140	2830
64	3460	3560
32	5170	5290
16	8410	8370
8	14300	13200
4	20700	21200

MODEL

Rho (Ohm-m)	Thickness (m)
2258.9	512.5
3974.6	5968.0
18961.4	Infinite

ECUADOR CSAMT No. 48

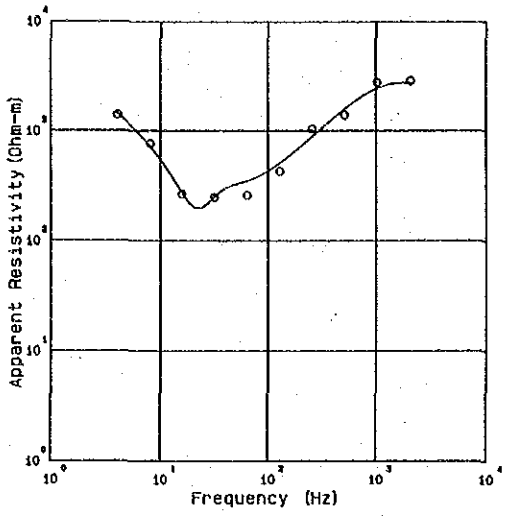


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	3700	4140
1024	4270	4200
512	4840	4240
256	6880	4130
128	4000	4010
64	4870	3800
32	4920	4870
16	7570	8530
8	18200	15200
4	40500	27700

MODEL

Rho (Ohm-m)	Thickness (m)
4141.8	1585.0
2930.8	4521.3
100000.0	Infinite

ECUADOR CSAMT No. 49

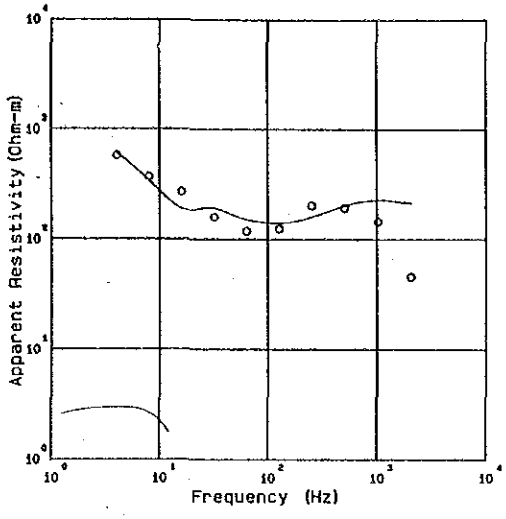


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	2880	2760
1024	2600	2460
512	1400	1580
256	1040	889
128	428	509
64	259	349
32	247	251
16	265	274
8	771	725
4	1410	1440

MODEL

Rho (Ohm-m)	Thickness (m)
2202.8	672.2
6.5	24.7
1815.5	Infinite

ECUADOR CSAMT No. 50

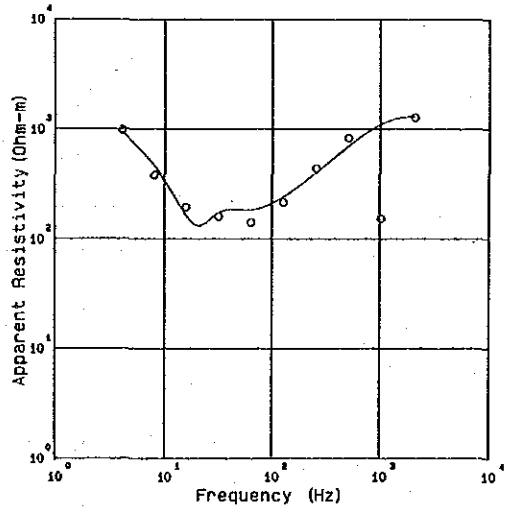


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	45.5	215
1024	146	228
512	194	203
256	203	180
128	125	140
64	119	151
32	160	193
16	271	189
8	371	342
4	578	607

MODEL

Rho (Ohm-m)	Thickness (m)
208.3	326.9
7.3	13.8
710.8	Infinite

ECUADOR CSAMT No. 51

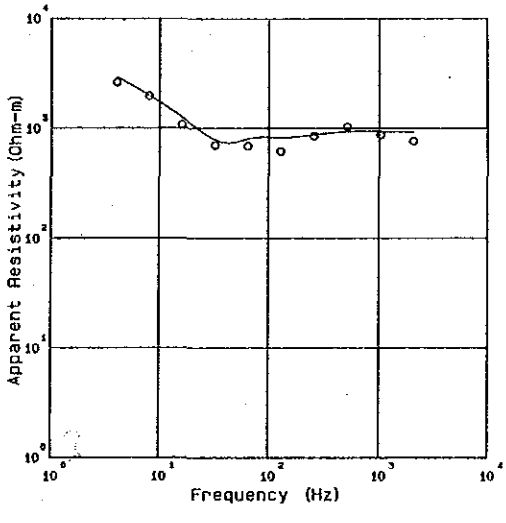


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	1280	1310
1024	152	1110
512	838	705
256	441	400
128	216	242
64	141	184
32	160	173
16	195	163
8	384	460
4	987	938

MODEL

Rho (Ohm-m)	Thickness (m)
1048.2	447.9
4.3	18.2
1340.4	Infinite

ECUADOR CSAMT No. 52

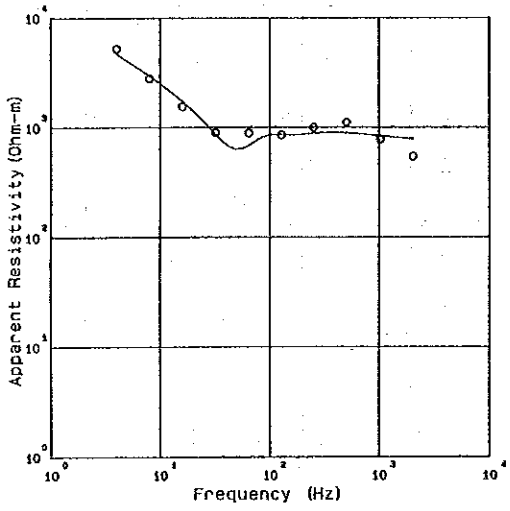


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	784	921
1024	873	937
512	1030	933
256	853	872
128	617	823
64	692	804
32	705	786
16	1080	1260
8	1970	1890
4	2820	2920

MODEL

Rho (Ohm-m)	Thickness (m)
920.7	748.7
646.5	523.4
1798.5	Infinite

ECUADOR CSAMT No. 53

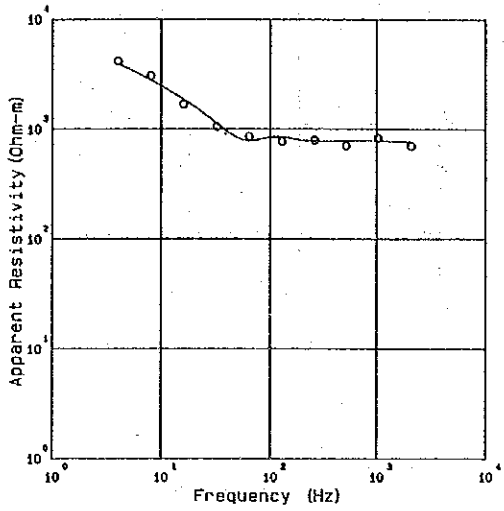


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	546	786
1024	784	837
512	1110	891
256	1000	885
128	854	858
64	893	684
32	898	864
16	1560	1730
8	2810	2970
4	5240	4680

MODEL

Rho (Ohm-m)	Thickness (m)
797.4	308.0
1260.5	308.0
816.3	1058.0
2997.9	Infinite

ECUADOR CSAMT No. 54

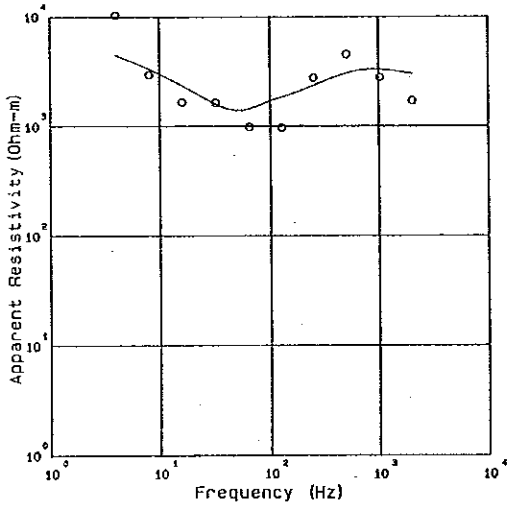


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	704	757
1024	835	786
512	707	784
256	795	778
128	774	844
64	859	780
32	1050	1120
16	1680	1870
8	3060	2800
4	4150	3940

MODEL

Rho (Ohm-m)	Thickness (m)
651.4	73.9
876.6	977.9
2076.0	Infinite

ECUADOR CSAMT No. 55

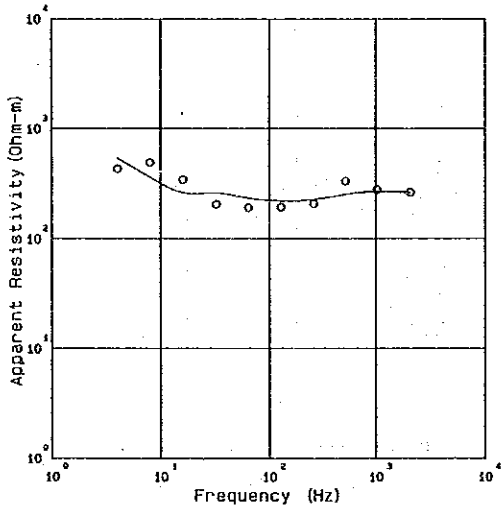


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	1720	3010
1024	2810	3300
512	4550	3040
256	2780	2350
128	970	1840
64	986	1440
32	1640	1590
16	1660	2350
8	2970	3340
4	10300	4470

MODEL

Rho (Ohm-m)	Thickness (m)
2907.4	1213.2
54.5	35.4
2229.4	Infinite

ECUADOR CSAMT No. 56

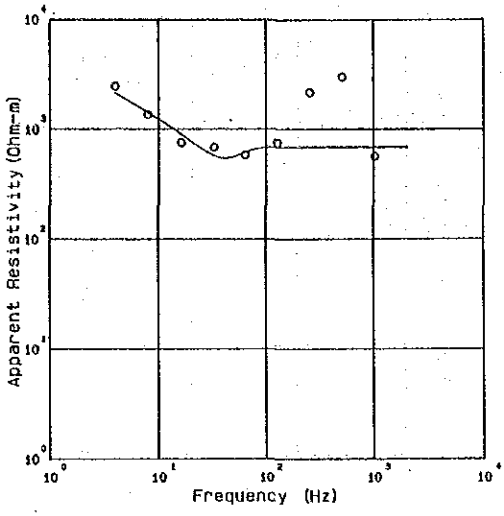


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	263	261
1024	279	288
512	334	252
256	207	227
128	193	219
64	191	233
32	205	260
16	344	262
8	493	363
4	432	538

MODEL

Rho (Ohm-m)	Thickness (m)
258.0	350.0
88.8	86.7
458.9	Infinite

ECUADOR CSAMT No. 57

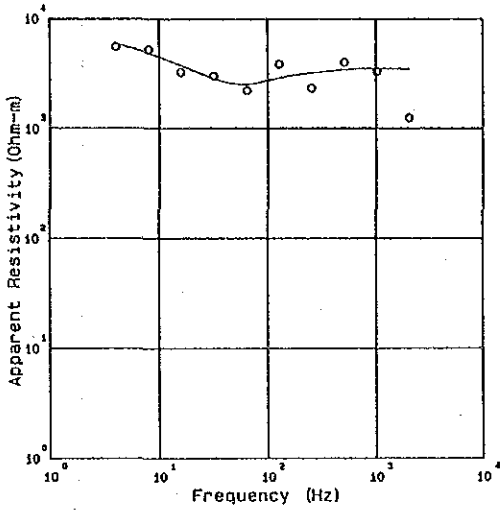


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	27200	688
1024	567	688
512	3010	688
256	2160	689
128	755	685
64	584	618
32	689	575
16	758	904
8	1360	1430
4	2470	2140

MODEL

Rho (Ohm-m)	Thickness (m)
688.1	2217.5
1362.4	Infinite

ECUADOR CSAMT No. 58

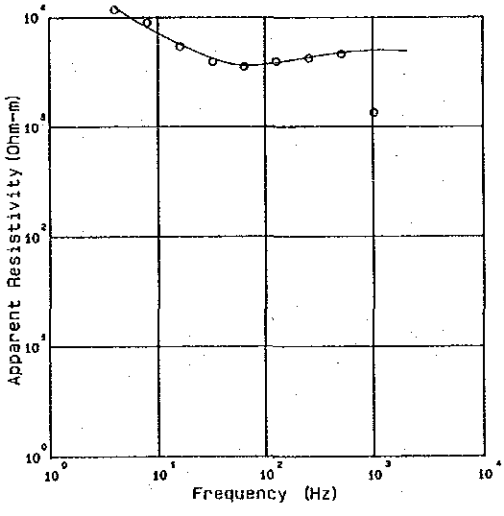


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	1250	3470
1024	3340	3530
512	4030	3440
256	2330	3210
128	3870	2890
64	2210	2520
32	3010	2840
16	3270	3760
8	5300	4850
4	5550	5940

MODEL

Rho (Ohm-m)	Thickness (m)
3401.5	1066.3
1960.0	3211.2
2718.2	Infinite

ECUADOR CSAMT No. 101

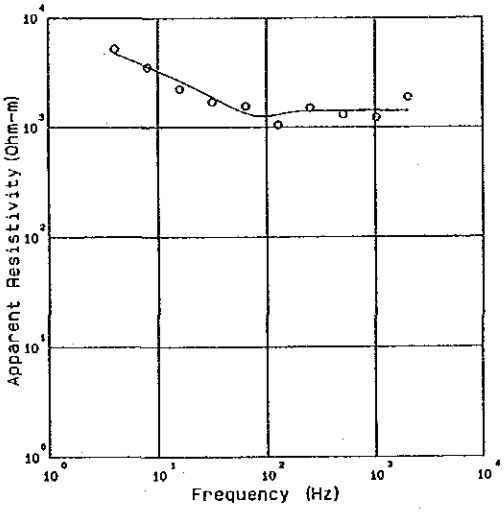


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	36600	4900
1024	1340	4970
512	4640	4750
256	4240	4300
128	3980	3840
64	3540	3610
32	3920	4200
16	5430	5660
8	9010	8140
4	11700	12400

MODEL

Rho (Ohm-m)	Thickness (m)
4733.0	1160.9
2273.0	4025.6
6006.3	Infinite

ECUADOR CSAMT No. 102

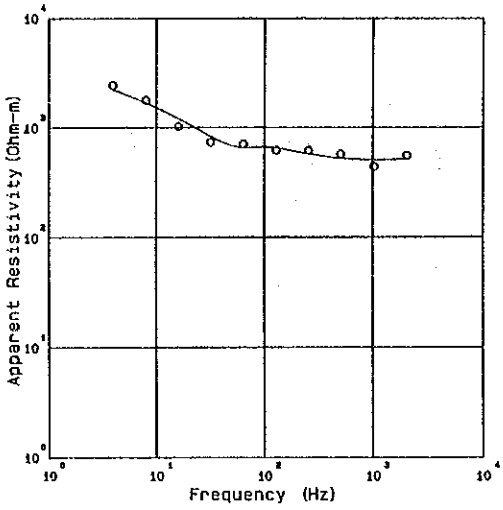


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	1890	1420
1024	1230	1420
512	1310	1410
256	1510	1410
128	1050	1300
64	1560	1340
32	1720	1880
16	2240	2870
8	3840	3580
4	5250	4750

MODEL

Rho (Ohm-m)	Thickness (m)
1422.0	1650.1
1910.6	Infinite

ECUADOR CSAMT No. 103

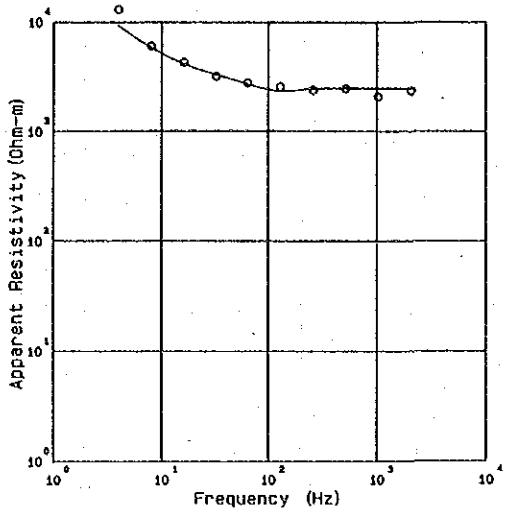


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	555	518
1024	441	506
512	575	524
256	618	576
128	820	656
64	712	662
32	738	834
16	1020	1210
8	1790	1690
4	2440	2230

MODEL

Rho (Ohm-m)	Thickness (m)
532.0	425.5
1110.5	Infinite

ECUADOR CSAMT No. 104

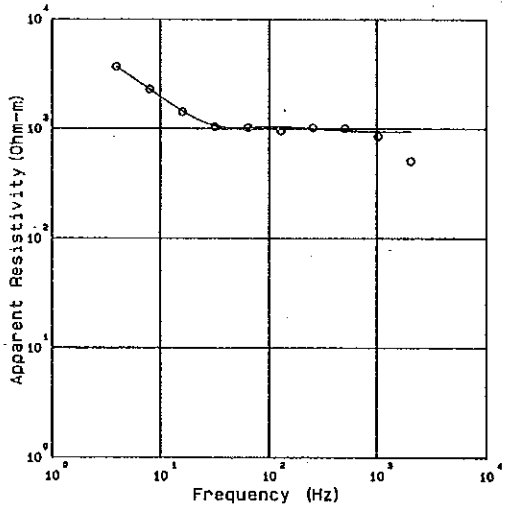


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	2370	2470
1024	2080	2470
512	2480	2470
256	2390	2450
128	2570	2330
64	2790	2710
32	3190	3300
16	4280	4150
8	6040	5870
4	13000	9270

MODEL

Rho (Ohm-m)	Thickness (m)
2476.4	8684.4
11053.7	Infinite

ECUADOR CSAMT No. 105

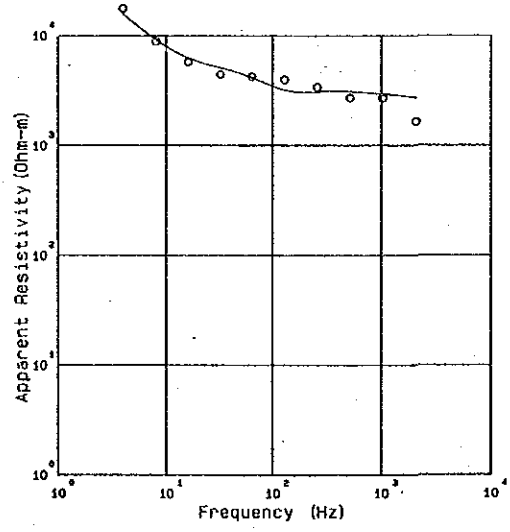


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	509	945
1024	859	941
512	1010	962
256	1020	1000
128	962	1040
64	1030	1020
32	1040	1060
16	1430	1450
8	2300	2290
4	3700	3710

MODEL

Rho (Ohm-m)	Thickness (m)
958.4	511.6
1256.8	5041.6
4097.2	Infinite

ECUADOR CSAMT No. 106

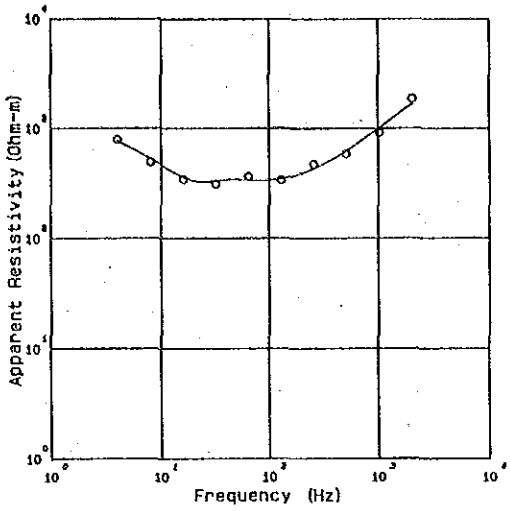


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	1660	2730
1024	2710	2930
512	2720	3100
256	3420	3070
128	3990	3200
64	4250	4160
32	4460	5120
16	5810	6280
8	8870	9240
4	17760	15800

MODEL

Rho (Ohm-m)	Thickness (m)
1167.3	42.0
3534.9	11420.7
1125507.3	Infinite

ECUADOR CSAMT No. 107

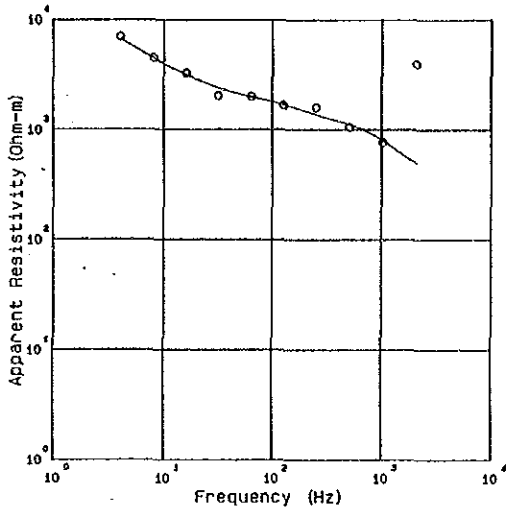


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	1870	1630
1024	921	1010
512	590	621
256	471	430
128	338	348
64	366	337
32	311	332
16	345	361
8	494	532
4	795	767

MODEL

Rho (Ohm-m)	Thickness (m)
5049.0	268.2
125.6	247.3
562.4	Infinite

ECUADOR CSAMT No. 108

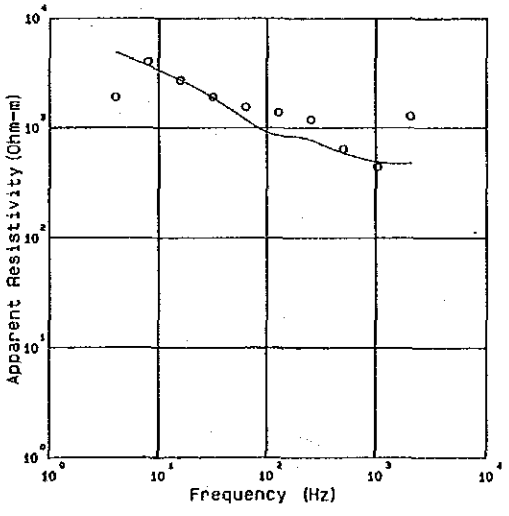


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	3970	501
1024	769	803
512	1050	1120
256	1600	1380
128	1670	1700
64	2000	1990
32	2040	2410
16	3270	3190
8	4500	4490
4	7010	6770

MODEL

Rho (Ohm-m)	Thickness (m)
522.4	222.3
28774.3	972.6
1157.2	Infinite

ECUADOR CSAMT No. 109

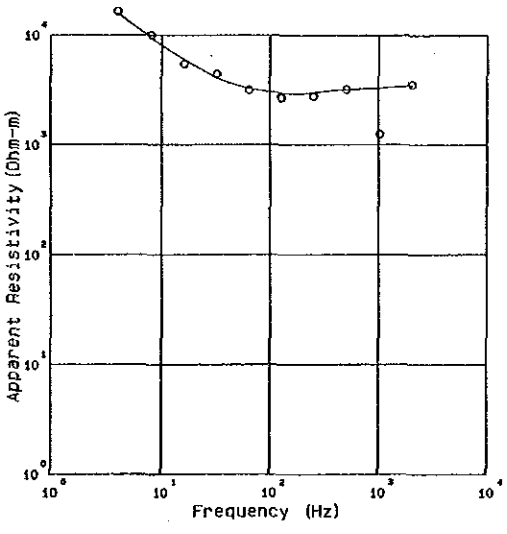


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	1280	474
1024	442	499
512	643	592
256	1190	777
128	1390	853
64	1550	1190
32	1910	1890
16	2730	2730
8	4010	3700
4	1810	4910

MODEL

Rho (Ohm-m)	Thickness (m)
527.7	350.3
3819.9	548.2
1981.6	Infinite

ECUADOR CSAMT No. 110

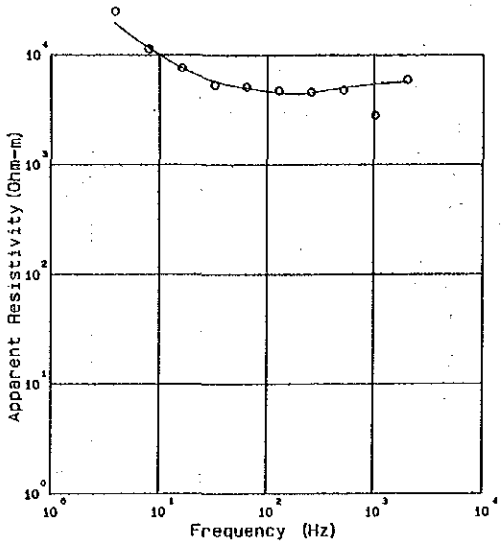


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	3550	3460
1024	1250	3280
512	3210	3160
256	2760	2980
128	2690	2950
64	3170	3260
32	4430	4110
16	5470	5990
8	10000	9440
4	16400	15800

MODEL

Rho (Ohm-m)	Thickness (m)
8980.1	81.2
2870.8	6384.1
12411.7	Infinite

ECUADOR CSAMT No. 111

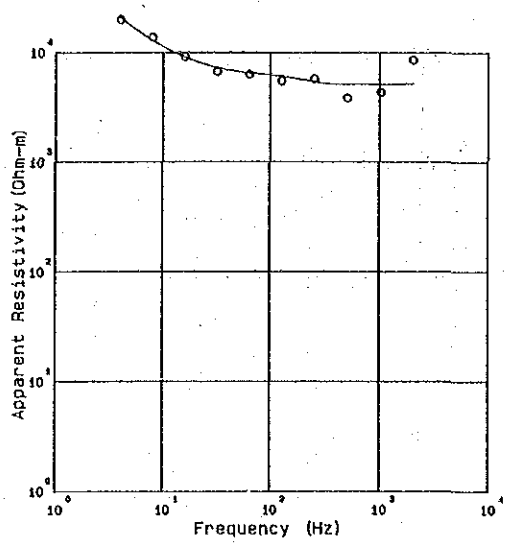


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	5970	5660
1024	2810	5390
512	4810	5010
256	4600	4500
128	4750	4480
64	5130	4950
32	5320	5720
16	7620	7620
8	11300	11500
4	25000	19400

MODEL

Rho (Ohm-m)	Thickness (m)
5520.8	788.4
3442.7	7168.0
18759.9	Infinite

ECUADOR CSAMT No. 112

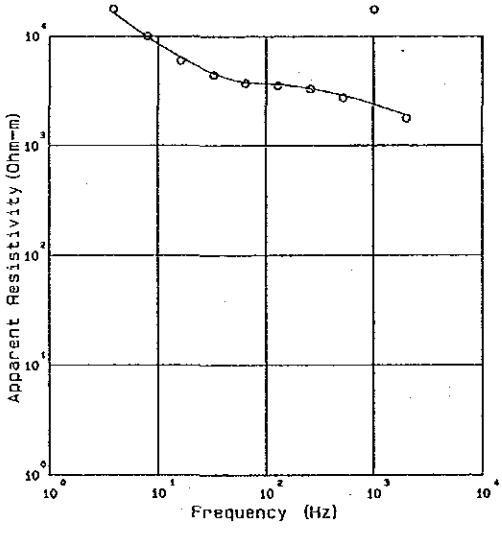


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	8590	5150
1024	4320	5070
512	3830	5100
256	5740	5370
128	5480	5040
64	6330	6510
32	6710	7260
16	9140	9060
8	13700	12900
4	20000	20900

MODEL

Rho (Ohm-m)	Thickness (m)
5152.7	2355.2
77548.9	634.7
1508.0	Infinite

ECUADOR CSAMT No. 113

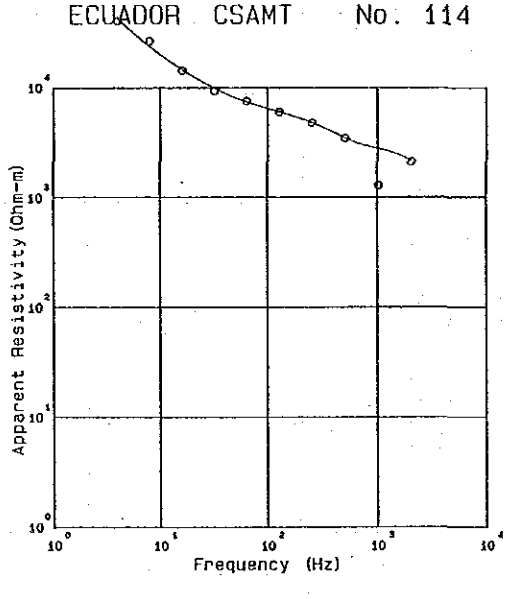


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	1780	1910
1024	17500	2370
512	2730	2860
256	3290	3330
128	3550	3650
64	3720	3800
32	4420	4580
16	5970	6440
8	10000	9310
4	17700	16500

MODEL

Rho (Ohm-m)	Thickness (m)
1573.7	138.8
833048.3	134.5
1505.8	Infinite

ECUADOR CSAMT No. 114

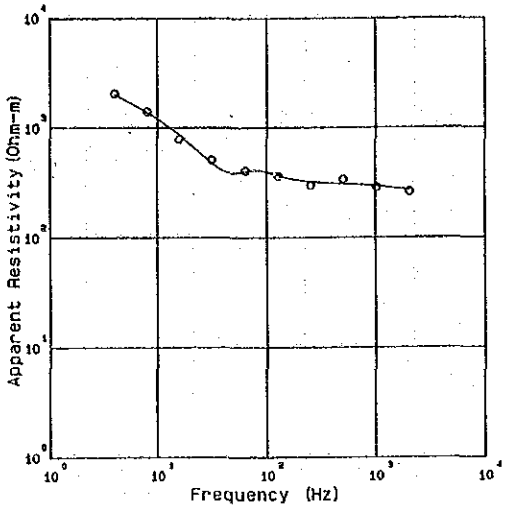


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	2110	2130
1024	1290	2770
512	3480	3490
256	4790	4810
128	6020	6030
64	7560	7440
32	9360	9940
16	14300	14600
8	26600	23800
4	40500	42700

MODEL

Rho (Ohm-m)	Thickness (m)
1824.1	375.0
75144.1	1250.0
2224.4	Infinite

ECUADOR CSAMT No. 115

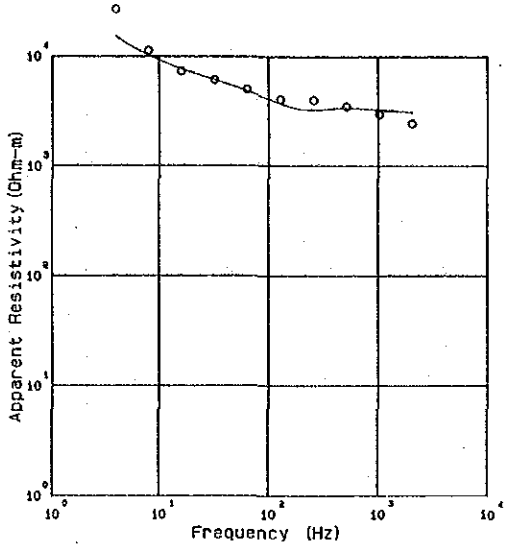


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	261	269
1024	287	294
512	340	308
256	293	323
128	362	359
64	408	400
32	512	480
16	794	867
8	1410	1390
4	2060	2030

MODEL

Rho (Ohm-m)	Thickness (m)
245.6	91.3
425.1	592.8
1270.9	Infinite

ECUADOR CSAMT No. 116

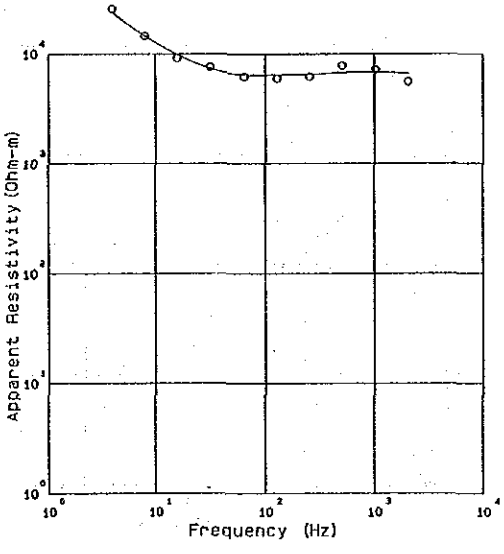


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	2460	3080
1024	3000	3240
512	3520	3370
256	4010	3240
128	4080	3700
64	5010	4840
32	6120	6080
16	7340	7700
8	11300	10200
4	27000	15100

MODEL

Rho (Ohm-m)	Thickness (m)
1542.7	44.0
3707.7	8782.7
8948.8	Infinite

ECUADOR CSAMT No. 117

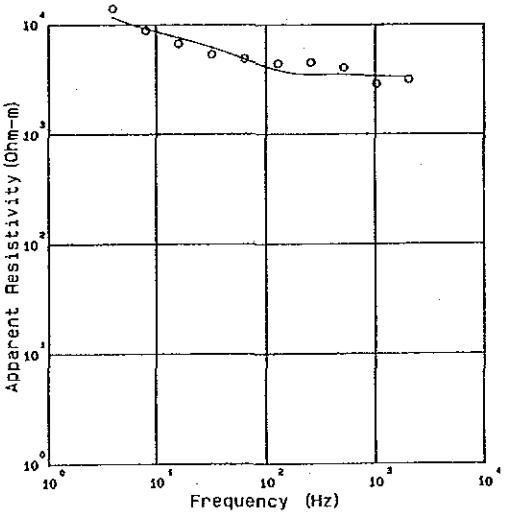


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	5600	6590
1024	7220	6770
512	7850	6740
256	6210	6470
128	5980	6420
64	6220	6410
32	7620	7350
16	9140	9880
8	14600	14600
4	25600	23900

MODEL

Rho (Ohm-m)	Thickness (m)
6517.4	1661.5
3512.7	5080.6
14344.5	Infinite

ECUADOR CSAMT No. 118

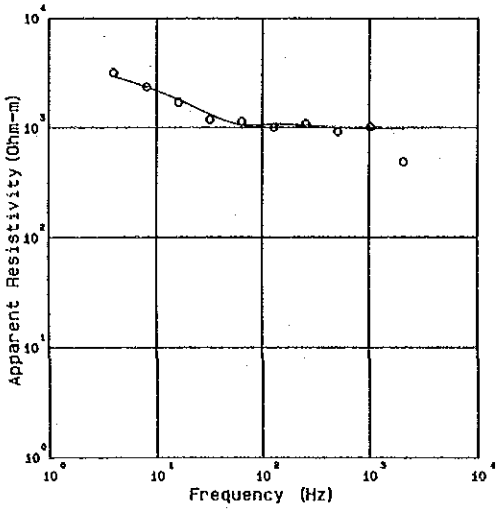


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	3180	3330
1024	2870	3360
512	4060	3510
256	4540	3490
128	4420	3840
64	4900	4660
32	5350	6190
16	6730	7610
8	8870	9200
4	14000	11700

MODEL

Rho (Ohm-m)	Thickness (m)
3411.5	1027.6
6322.2	439.3
3466.3	Infinite

ECUADOR CSAMT No. 119

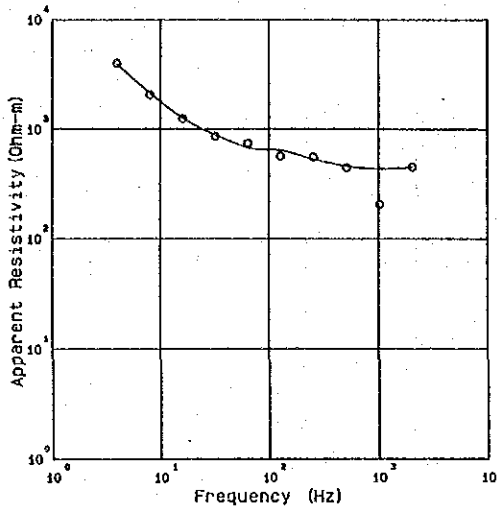


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	488	986
1024	1020	983
512	926	1000
256	1090	1040
128	1000	1080
64	1140	1080
32	1190	1320
16	1710	1810
8	2360	2370
4	3190	2960

MODEL

Rho (Ohm-m)	Thickness (m)
1001.0	518.6
1317.3	Infinite

ECUADOR CSAMT No. 120

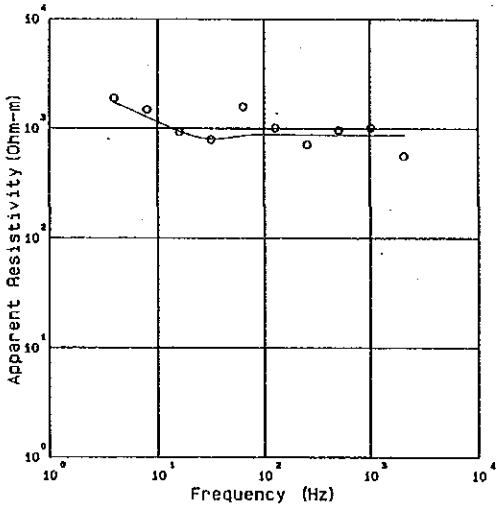


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	452	449
1024	206	434
512	447	460
256	558	532
128	570	644
64	746	681
32	852	809
16	1250	1260
8	2060	2150
4	3980	3940

MODEL

Rho (Ohm-m)	Thickness (m)
468.5	394.0
1452.1	7051.3
32137.6	Infinite

ECUADOR CSAMT No. 201

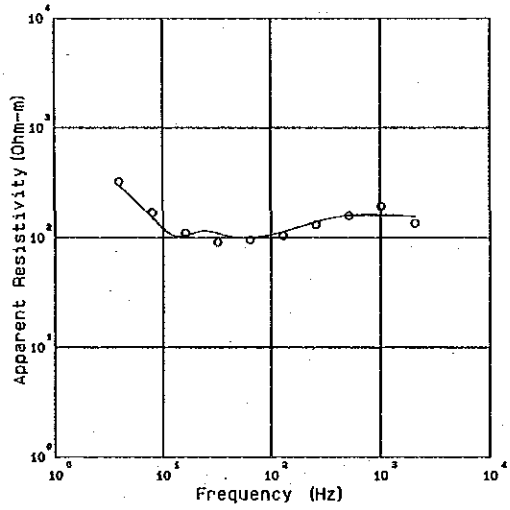


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	562	872
1024	1020	872
512	970	872
256	715	872
128	1010	878
64	1580	859
32	793	801
16	934	947
8	1490	1270
4	1890	1730

MODEL

Rho (Ohm-m)	Thickness (m)
872.6	2296.8
655.1	491.1
986.7	Infinite

ECUADOR CSAMT No. 202

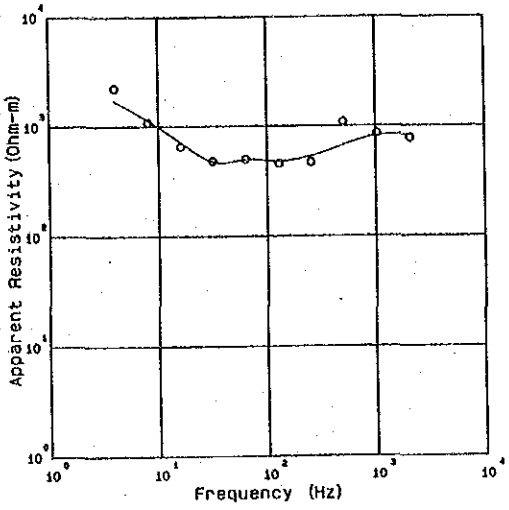


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	135	155
1024	193	160
512	158	159
256	130	139
128	104	112
64	95.5	99.8
32	90.8	109
16	110	103
8	169	152
4	324	299

MODEL

Rho (Ohm-m)	Thickness (m)
153.1	213.7
114.0	61.4
65.1	280.9
451.5	Infinite

ECUADOR CSAMT No. 203

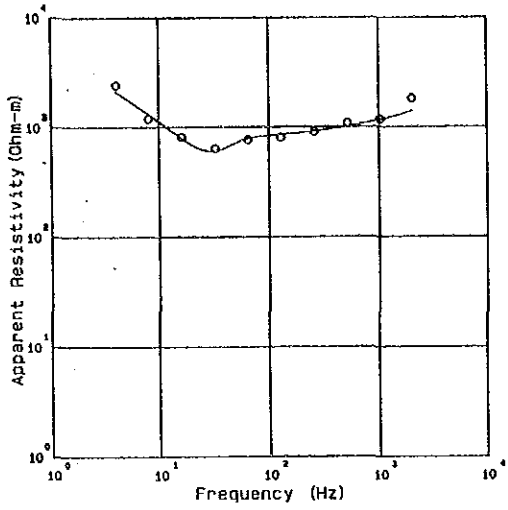


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	777	820
1024	852	818
512	1090	671
256	470	534
128	458	481
64	502	498
32	482	474
16	660	722
8	1090	1150
4	2240	1710

MODEL

Rho (Ohm-m)	Thickness (m)
755.4	506.1
45.3	41.7
1088.4	Infinite

ECUADOR CSAMT No. 204

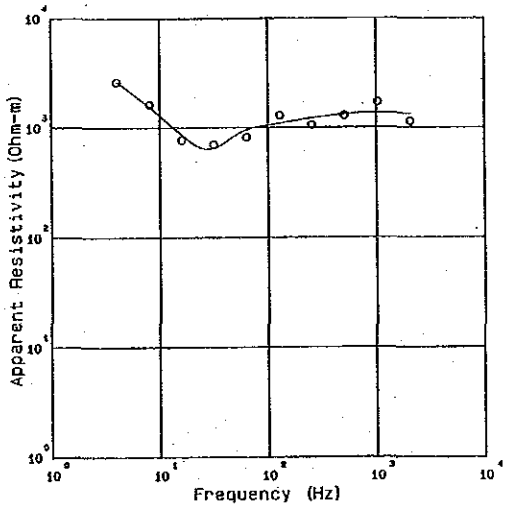


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	1820	1400
1024	1170	1160
512	1090	1010
256	905	916
128	802	849
64	769	790
32	840	805
16	816	795
8	1190	1320
4	2430	2100

MODEL

Rho (Ohm-m)	Thickness (m)
7219.3	115.7
710.9	2605.4
1617.5	Infinite

ECUADOR CSAMT No. 205

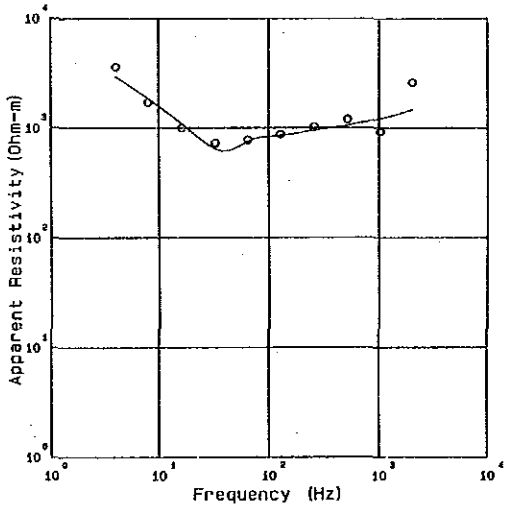


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	1130	1330
1024	1720	1360
512	1290	1320
256	1050	1220
128	1280	1090
64	819	956
32	703	847
16	776	863
8	1630	1550
4	2520	2840

MODEL

Rho (Ohm-m)	Thickness (m)
1305.3	678.2
684.0	2227.7
2349.1	Infinite

ECUADOR CSAMT No. 206

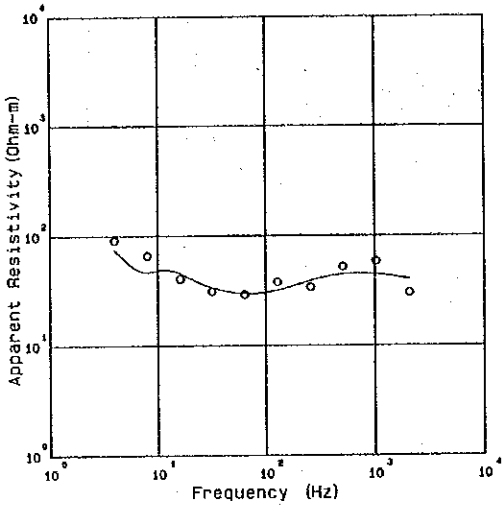


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	2620	1470
1024	931	1210
512	1200	1050
256	1020	956
128	878	853
64	779	753
32	728	643
16	1000	1090
8	1720	1850
4	3820	2950

MODEL

Rho (Ohm-m)	Thickness (m)
4630.1	131.6
736.0	1805.4
1936.5	Infinite

ECUADOR CSAMT No. 207

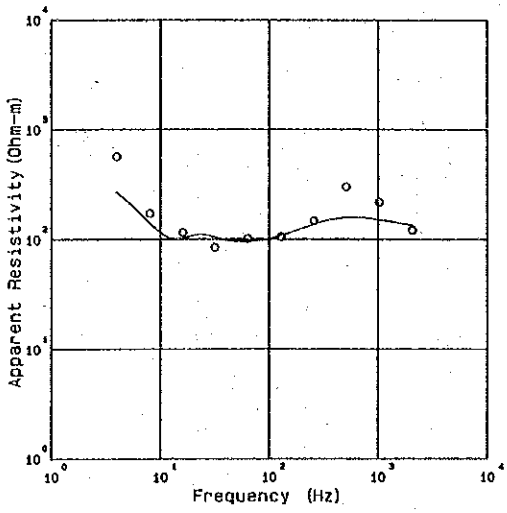


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	30.3	40.5
1024	59.0	44.7
512	52.2	44.8
256	34.1	39.0
128	38.1	32.0
64	29.3	29.8
32	31.4	34.0
16	40.6	45.7
8	66.6	46.8
4	91.9	75.3

MODEL

Rho (Ohm-m)	Thickness (m)
36.6	50.0
97.1	51.5
22.5	198.8
196.6	Infinite

ECUADOR CSAMT No. 208

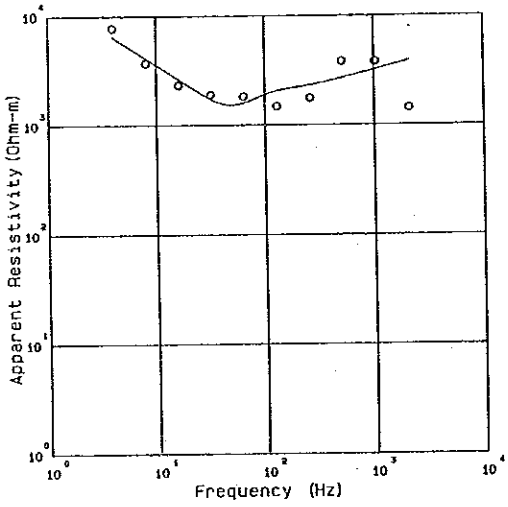


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	121	134
1024	219	151
512	302	159
256	147	137
128	105	108
64	101	95.5
32	84.4	104
16	115	102
8	172	141
4	572	268

MODEL

Rho (Ohm-m)	Thickness (m)
135.1	155.0
543.3	93.4
49.3	234.9
392.6	Infinite

ECUADOR CSAMT No. 209

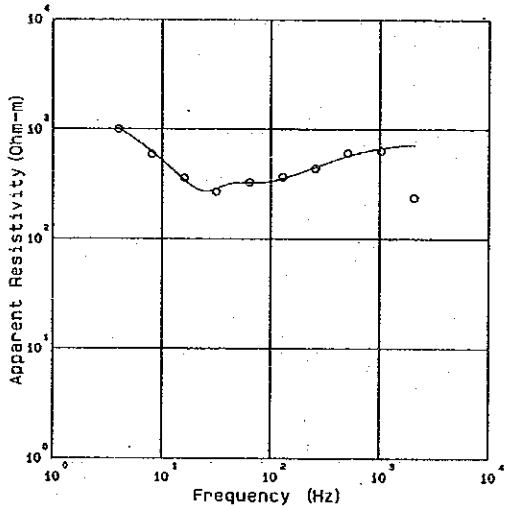


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	1440	3860
1024	3820	3210
512	3820	2690
256	1760	2320
128	1480	2050
64	1830	1590
32	1910	1730
16	2340	2640
8	3710	4120
4	7780	8470

MODEL

Rho (Ohm-m)	Thickness (m)
2756.0	75.4
6206.1	323.3
1484.2	3192.6
3355.6	Infinite

ECUADOR CSAMT No. 210

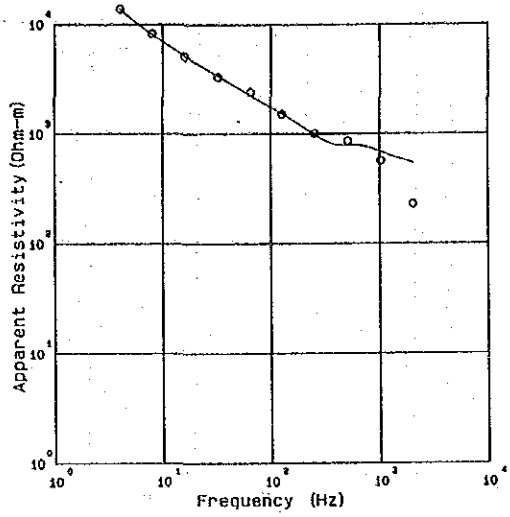


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	237	721
1024	640	672
512	610	572
256	441	450
128	387	356
64	327	324
32	270	286
16	359	345
8	595	629
4	1000	1030

MODEL

Rho (Ohm-m)	Thickness (m)
670.0	320.0
211.9	589.6
888.3	Infinite

ECUADOR CSAMT No. 301

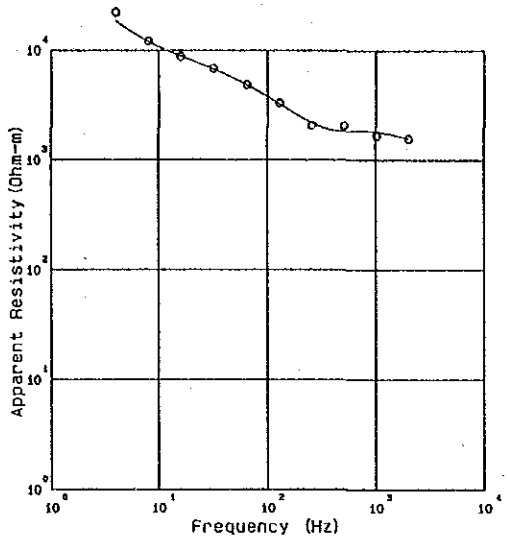


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	229	547
1024	573	689
512	866	793
256	1010	992
128	1520	1540
64	2420	2270
32	3320	3410
16	5110	5190
8	8300	8160
4	13800	13800

MODEL

Rho (Ohm-m)	Thickness (m)
504.8	165.2
2098.8	3781.0
9169.5	Infinite

ECUADOR CSAMT No. 302

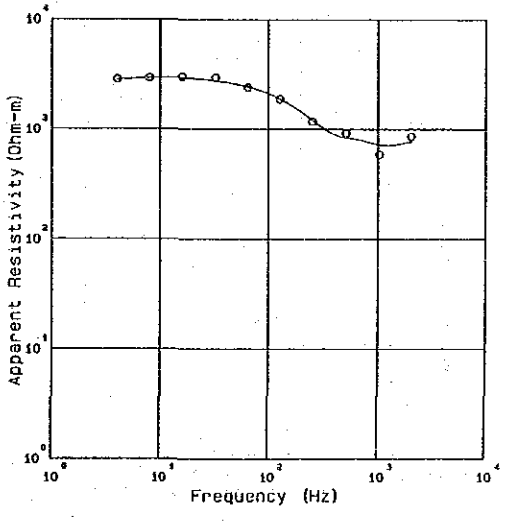


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	1560	1560
1024	1870	1800
512	2050	1820
256	2080	2170
128	3310	3240
64	4830	4810
32	6800	6700
16	8780	8870
8	12100	12000
4	22200	18400

MODEL

Rho (Ohm-m)	Thickness (m)
870.7	80.1
2691.9	2482.1
5257.0	Infinite

ECUADOR CSAMT No. 303

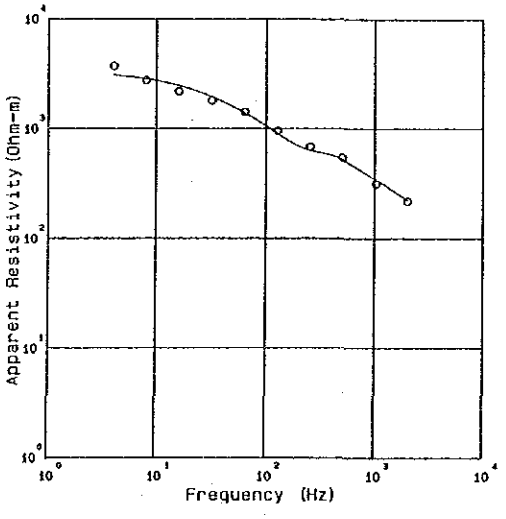


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	883	770
1024	592	722
512	928	842
256	1180	1210
128	1690	1980
64	2400	2440
32	2960	2770
16	3010	2940
8	2930	2940
4	2840	2920

MODEL

Rho (Ohm-m)	Thickness (m)
837.8	515.4
7733.0	1358.6
1053.6	Infinite

ECUADOR CSAMT No. 304

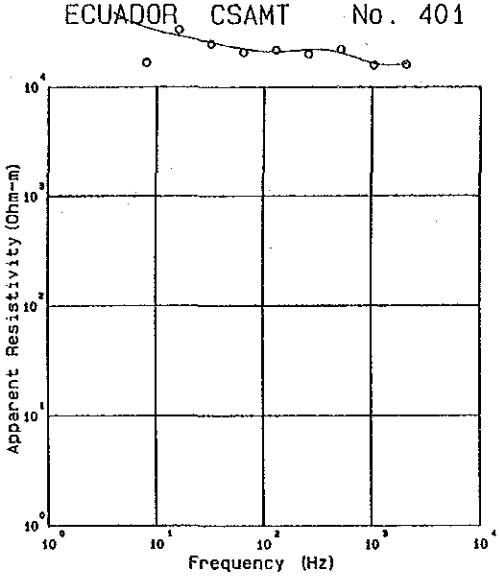


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	219	222
1024	316	345
512	549	524
256	687	636
128	951	907
64	1430	1390
32	1810	1950
16	2190	2480
8	2760	2860
4	3730	3100

MODEL

Rho (Ohm-m)	Thickness (m)
156.6	79.4
3556.8	475.5
1409.6	Infinite

ECUADOR CSAMT No. 401

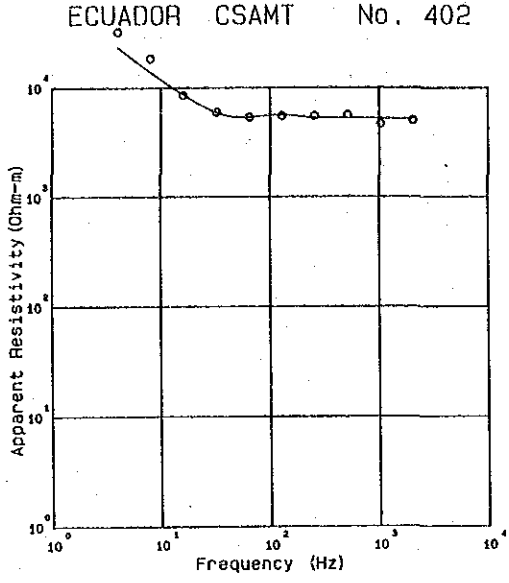


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	16000	16100
1024	15800	16300
512	22100	20400
256	20000	21900
128	21800	20900
64	20700	22200
32	24700	25400
16	33300	29300
8	16500	34800
4	120000	47600

MODEL

Rho (Ohm-m)	Thickness (m)
16323.6	3431.3
5890.7	2343.0
23063.9	Infinite

ECUADOR CSAMT No. 402

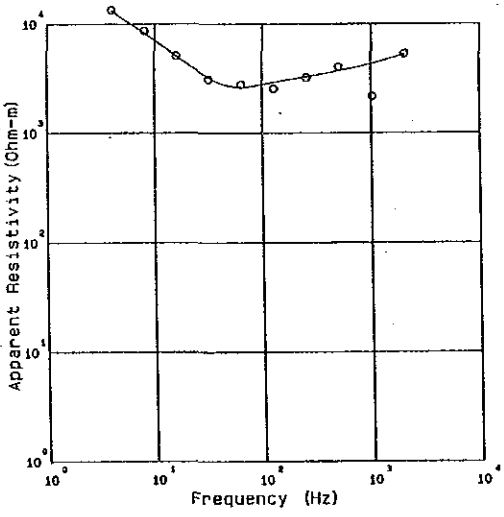


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	5050	5130
1024	4690	5190
512	5650	5270
256	5520	5280
128	5530	5600
64	5370	5320
32	5970	5900
16	8510	8620
8	18500	13800
4	32400	23300

MODEL

Rho (Ohm-m)	Thickness (m)
5140.6	2066.1
3111.8	4819.9
58025.2	Infinite

ECUADOR CSAMT No. 403

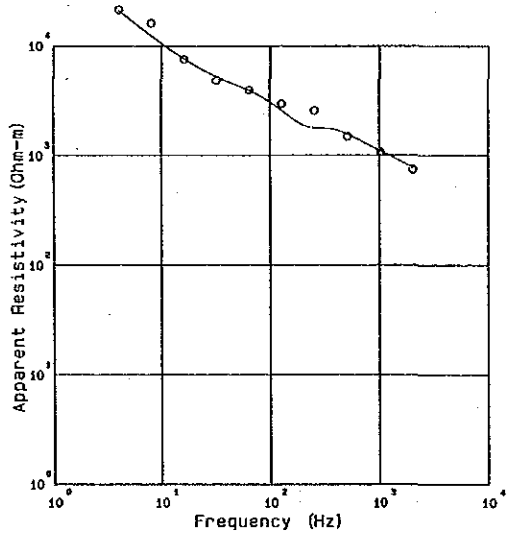


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	5350	5230
1024	2170	4320
512	4040	3710
256	3210	3260
128	2560	2920
64	2600	2610
32	3110	3220
16	5120	5090
8	8630	8240
4	13400	13200

MODEL

Rho (Ohm-m)	Thickness (m)
7699.9	367.4
2341.6	5268.7
15319.7	Infinite

ECUADOR CSAMT No. 404

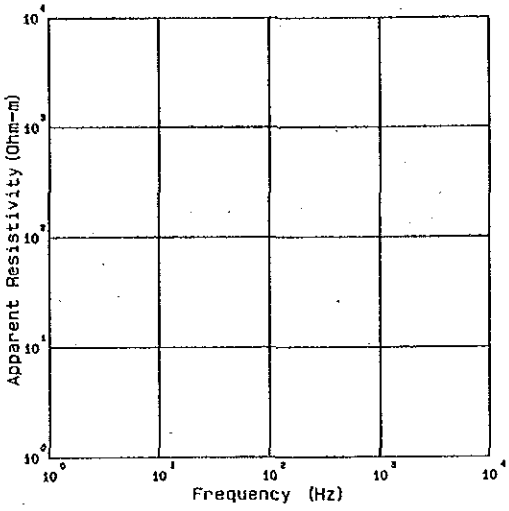


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	749	774
1024	1050	1100
512	1490	1570
256	2580	1790
128	2980	2590
64	3980	3950
32	4870	5250
16	7570	7660
8	16200	12400
4	21400	21100

MODEL

Rho (Ohm-m)	Thickness (m)
464.4	107.6
4844.2	9826.4
976238.3	Infinite

ECUADOR CSAMT No. 405

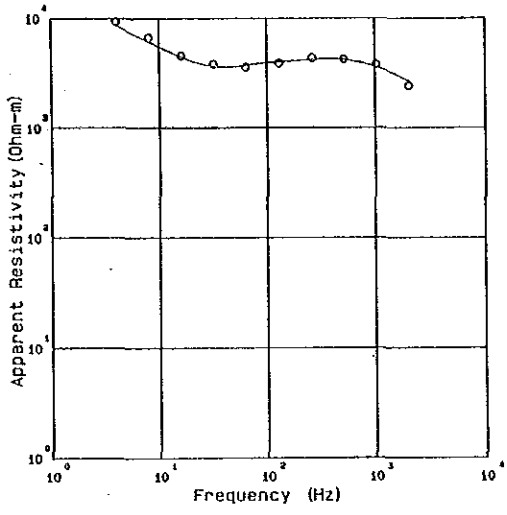


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	20700	18800
1024	17200	16300
512	24700	23200
256	28400	31700
128	34400	39100
64	39300	41200
32	39800	42900
16	52100	50400
8	84400	71200
4	161000	120000

MODEL

Rho (Ohm-m)	Thickness (m)
19283.1	10042.4
19738.4	5043.0
1744728.3	Infinite

ECUADOR CSAMT No. 408

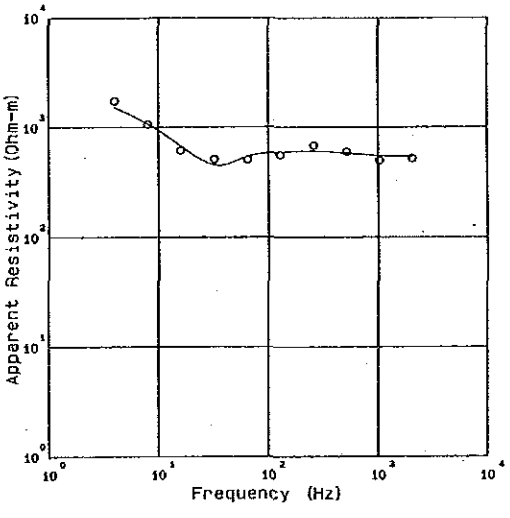


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	2420	2660
1024	3810	3600
512	4230	4200
256	4360	4220
128	3890	4020
64	3580	3710
32	3820	3620
16	4550	4450
8	6700	6130
4	9330	8660

MODEL

Rho (Ohm-m)	Thickness (m)
1312.4	149.6
9756.7	1013.1
2035.3	5005.5
15003.4	Infinite

ECUADOR CSAMT No. 409

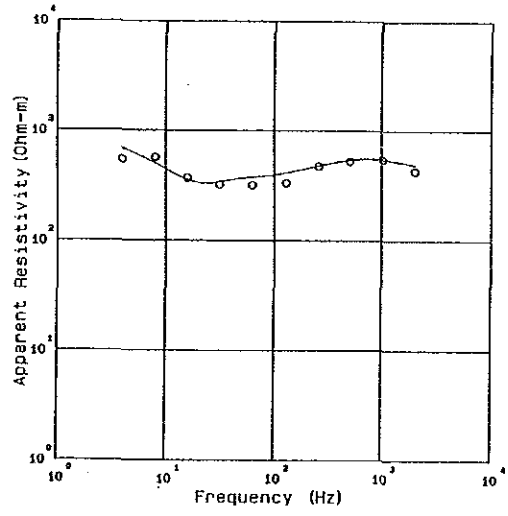


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	520	544
1024	498	550
512	598	581
256	684	606
128	560	594
64	508	541
32	513	452
16	615	680
8	1050	1070
4	1740	1510

MODEL

Rho (Ohm-m)	Thickness (m)
556.5	480.7
6521.4	120.3
453.5	1358.8
1068.9	Infinite

ECUADOR CSAMT No. 410

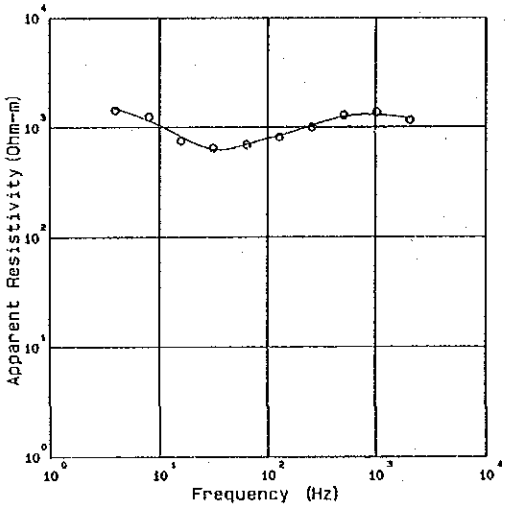


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	431	489
1024	550	550
512	529	545
256	474	478
128	334	413
64	318	377
32	320	341
16	372	358
8	570	504
4	545	695

MODEL

Rho (Ohm-m)	Thickness (m)
424.8	128.9
779.3	273.1
221.7	377.4
388.1	Infinite

ECUADOR CSAMT No. 411

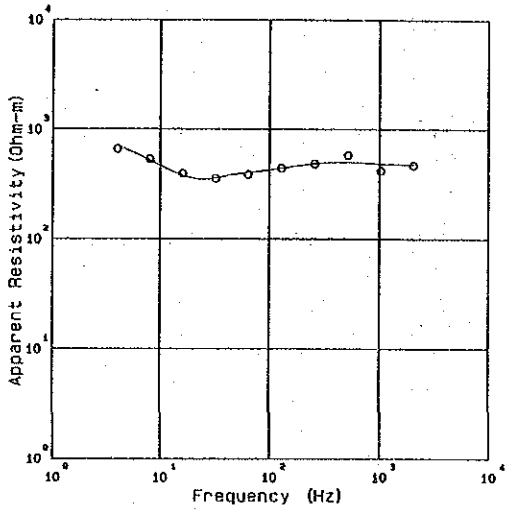


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	1160	1210
1024	1380	1300
512	1290	1250
256	1000	1040
128	816	842
64	695	703
32	647	630
16	758	828
8	1250	1160
4	1440	1490

MODEL

Rho (Ohm-m)	Thickness (m)
1185.4	769.0
158.5	138.6
634.1	Infinite

ECUADOR CSAMT No. 412

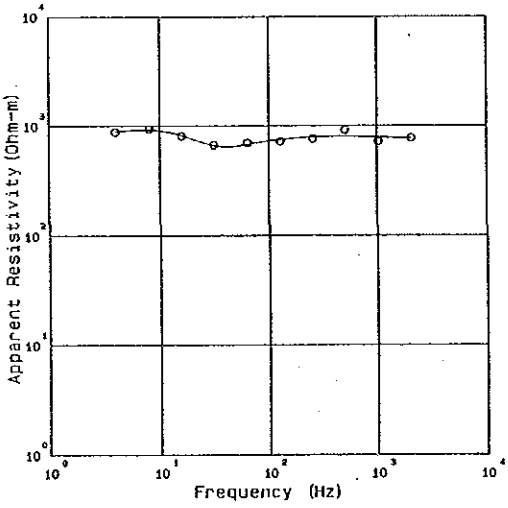


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	469	477
1024	420	485
512	583	503
256	485	487
128	443	441
64	385	403
32	356	359
16	395	379
8	537	524
4	660	708

MODEL

Rho (Ohm-m)	Thickness (m)
478.7	730.6
79.7	57.8
378.5	Infinite

ECUADOR CSAMT No. 413

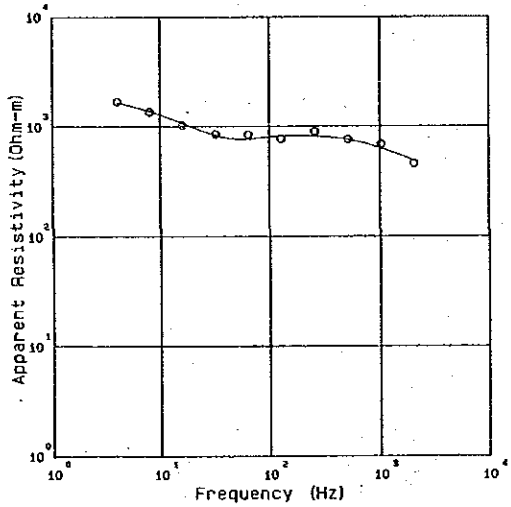


Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	775	778
1024	723	789
512	920	806
256	765	797
128	725	754
64	702	681
32	673	655
16	814	826
8	941	929
4	885	890

MODEL

Rho (Ohm-m)	Thickness (m)
779.9	790.5
471.0	2907.6
127.2	Infinite

ECUADOR CSAMT No. 414



Freq. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
2048	459	485
1024	692	634
512	787	760
256	903	818
128	776	823
64	849	772
32	856	833
16	1020	1080
8	1370	1390
4	1690	1640

MODEL

Rho (Ohm-m)	Thickness (m)
363.3	115.7
1972.2	380.1
702.1	Infinite

Table A－1 Microscopic Observation (Thin Section)

No.	Sample No.	Location: Area	Location: Coordinates E	Location: Coordinates N	Geological Unit	Rock Name	Texture	Minerals: Quartz	Potash feldspar	Plagioclase	Biotite	Hornblende	Pyroxene	Apatite	Allanite	Sphene	Alteration minerals: Quartz	Albite	Biotite	(Fine-grained) Muscovite	Actinolite	Epidote	Chlorite	Calcite	Leucoxene	Smectite	Opaque minerals
1	A1011	Balzapamba	707.97	9808.01	Di	bt quartz dio.	holocrystalline granular	●	·	◉	○			·	·				○	·	·	·	●		·		·
2	A1019		707.95	9807.74	Gd	bt granodio.	ditto	○	●	○	○			·	·				●	·	·	·	·		·		·
3	A1131		707.56	9807.83	Gd	bt-hb quartz dio.	ditto	○		◉	●	○		·				·	●			·	·				·
4	B1033		706.98	9807.72	Gd	bt-hb quartz dio.	ditto	○		◉	○	○		·	·			·	·	·	·	·	·				·
5	C1016		708.63	9810.47	Tf (D-Mem.)	dacitic lap. tuff	clastic	○		·		●		·		·	○			●		●	○				·
6	C1031		709.54	9810.11	Qan-1 (B-Mem.)	por. dacite	porphyritic	○	●	○	chl epi						◉			●		●	○	·	·		· Py
7	E1003		703.46	9806.90	An－1 (A-Mem.)	mafic hornfels	granoblasfic (hornfelsic)			○		○	●									●	●				·
8	B1092	Chaco Juan	705.05	9844.86	Gd	hb-bt granodio.	holocrystalline granular	○	·	◉	○	●		·			·	·		·		·		·			·
9	B1093		704.04	9844.73	An	altered hornfels	porphyritic			○		·					○	○			●	·	○			·	● Py
10	B1109		706.17	9845.14	Gd	bt grano dio.	holocrystalline granular	○	●	◉	○			·		·		·	·			·	●	·			·
11	C1079	La Industria	690.97	9825.26	Qd	bt-hb quartz dio.	ditto	○		◉	●	○		·					●	○		·	●		·	·	·
12	D1062		688.54	9826.03	Di	ditto	ditto	●		◉	●	○		·				●		●		·	○		·		·
13	B1149	Telimbela	703.59	9816.55	Qd	hb-bt quartz dio.	ditto	○	·	◉	○			·	·			·	●			●	○		·		● Py
14	B1154		703.09	9815.75	Qp	quartz por.	porphyritic	○	·	◉	chl epi							·		·		○	○				·
15	B1166		703.68	9816.01	Qd	bt-hb quartz dio.	holocrystalline granular	○	·	◉	○	○		·		·				·		·	●	·	·		·
16	B1071	Las Guardias	708.14	9798.66	Gd	hb quartz dio	ditto	○	·	◉	chl epi	○		·				·		·	●	○	○				
17	B1078		707.34	9801.28	Di	hb dio.	ditto	·		◉	chl epi	○				·				·	○	·	○				·
18	B1086	Tablas Pumbal	717.71	9775.81	Ba-1	altered basaltic andesite	porphyritic			○							●	○				○	○				·
19	G1027		715.43	9776.16	Ba-2	altered basalt	porphyritic			○				·		·	●				○	·	○		·		·

◉ abundant ○ common ● a little · rare

Table A－2 Microscopic Observation (Polished Section)

No.	Sample No. and Hole No.	Location and Depth			Occurrence	Minerals									
						Chalcopyrite	Bornite	Molybdenite	Sphalerite	Pyrite	Magnetite	Hematite	Pyrrhotite	Gangue minerals	Pyrite (secondary)
1	A1011	Balza-pamba	707.97	9808.01	dissemination	・			・	・	・	・		⊙	
2	A1021	do.	707.95	9807.74	veinlet and dissemination	・				●	・	・		⊙	
3	A1124	do.	707.38	9805.98	dissemination	●				・	・	・		⊙	
4	E1002	do.	707.57	9806.04	veinlets	・	・							⊙	
5	A1113	Chaso Juan	706.43	9844.18	dissemination	●					・			⊙	
6	B1108	do.	707.07	9844.73	Quartz veinlet	・		●						Q ⊙	
7	B1142	Telimbela	703.36	9816.23	veinlets and dissemination	・				●	●			⊙	
8	E1056	do.	702.92	9815.23	veinlets and dissemination	・		●		●	●	●		⊙	
9	A1077	Las Guardias	707.33	9799.72	dissemination	●				●	・	・		⊙	
10	MJE-1	53.20m (A)			veinlets and dissemination	●	・		・	●	・	・	・	⊙	
11	〃	〃 (B)			dissemination	●				●	・	・		⊙	
12	〃	53.30m			veinlets and dissemination	●			・	●	・		・	⊙	
13	〃	92.60m			veinlets and disemination	●		・	・	⊙	・		○	⊙	・
14	MJE-2	21.70m			dissemination	●				●	●	・		⊙	
15	〃	91.60m			veinlets and dissemination	・		●		⊙	●	・		⊙	
16	〃	177.55m			veinlets and dissemination	◔			・	⊙	・			○	
17	MJE-3	203m			veinlets and dissemination	●				⊙	・	・	・	○	
18	〃	229.20m			veinlets and dissemination	●			・	○			○	○	・
19	〃	235.50m			veinlets and dissemination	●				●	・	・	○	⊙	・

Remarks ⊙ abundant ○ common ● little ・ rare

Table A－3 Assay Results of Ore Samples (Geological Survey and Drill Core) (1)~(3)

(1)

No.	Sample No.	Location: Area	Location: Coordinates E	Location: Coordinates N	Description	Assay Results: (g/t) Au	(g/t) Ag	(%) Cu	(%) Pb	(%) Zn	(%) Mo	(%) Wo
1	A1004	Balzapamba	Q. Esperanza 708.05	9807.90	Mo-Py-Q-Chl v. in altered gr. dio. (D)	Tr	Tr	0.01	0.00	0.01	0.06	0.00
2	A1008		Q. Esperanza 708.04	9807.91	Py-Mo-chl-Q v. (D)	Tr	Tr	0.00	0.00	0.00	0.03	0.00
3	A1011		Q. Esperanza 707.97	9808.01	Cp-Py diss. in second. bt rich melano. dio. (B)	Tr	Tr	0.03	0.00	0.07	0.00	0.00
4	A1019		Q. Teresa 707.95	9807.74	Cp-Py-Mo diss. in second bt rich gr. dio. (D)	Tr	Tr	0.03	0.00	0.04	0.00	0.00
5	A1024		Q. Teresa 707.93	9807.76	Cp-Mo-Py-Q vlets in trachande dyke (A)	Tr	Tr	0.13	0.00	0.01	0.00	0.00
6	A1035		Q. Teresa 707.83	9807.98	Cp-Py-Q v. (w:2m) (A)	0.2	2.0	0.66	0.00	0.00	0.01	0.00
7	A1037		Q. Teresa 707.83	9807.99	Mo-Py-Q v. (A)	0.1	7.7	0.43	0.00	0.00	0.42	0.00
8	A1045		Q. Osohuayco 709.53	9806.63	ande. hornfels, Cp-Py diss.	Tr	Tr	0.01	0.00	0.01	0.00	0.00
9	A1062		Juana de Oro 704.61	9807.64	hornfels, Cp-Py diss.	Tr	Tr	0.01	0.00	0.01	0.00	0.00
10	A1105		Q. Esperanza 707.92	9808.09	Py-Cp-chl-Q v. and Py-Mo diss. in gr. dio. (A)	Tr	Tr	0.11	0.00	0.01	0.00	0.00
11	A1106		Q. Esperanza 707.92	9808.09	Cp-Py diss in gr. dio. (A)	Tr	Tr	0.09	0.00	0.00	0.00	0.00
12	A1107		Q. Esperanza 707.92	9808.09	Cp-Py diss in melano. dio. (A)	Tr	Tr	0.17	0.00	0.00	0.00	0.00
13	A1124		Osohuayco 707.38	9805.98	Py-Cp diss in gr. dio.	Tr	Tr	0.08	0.00	0.00	0.01	0.00
14	A1128		Osohuayco 707.72	9805.33	Cp-Py diss and film in gnt-Q v.	Tr	Tr	0.02	0.00	0.01	0.00	0.00
15	B1015		El Cristal 703.74	9805.34	Py diss. zone (w:0.80m)	Tr	Tr	0.08	0.00	0.00	0.00	–
16	B1016		El Cristal 703.74	9805.34	ditto (w:1.80m)	0.1	2.1	0.16	0.00	0.03	0.00	–
17	B1017		El Cristal 703.74	9805.34	Py. rich zone (w:1.80m)	Tr	Tr	0.11	0.00	0.00	0.00	0.00
18	B1019		El cristal 703.74	9805.34	limo. rich zone (w:0.70m)	Tr	Tr	0.05	0.00	0.00	0.00	0.00
19	B1021		El Cristal 703.74	9805.34	Py diss zone (w:2.70m)	Tr	Tr	0.05	0.00	0.01	0.00	–
20	C1008		Q. Las Palmas 708.20	9808.90	sili. rock, Cp-Cc-Py-Q ntwk	0.3	7.6	0.60	0.00	0.01	0.00	0.00
21	C1010		Q. Las Palmas 708.08	9809.57	sili. rock, Py-Q ntwk, Py diss	Tr	Tr	0.02	0.00	0.04	0.00	–
22	C1025		Las Juntas 706.57	9808.55	limo-Py v. in argi. zone	0.1	1.1	0.11	0.00	0.03	0.00	–
23	E1002		Osohuayco 707.57	9806.04	Cp-Cc diss in gnt-Q v.	0.4	27.8	2.60	0.00	0.10	0.00	0.00
24	E1013		Oshuayco 707.98	9805.84	ditto	Tr	Tr	0.16	0.00	0.08	0.00	0.00
25	A1113	Chaso Juan	Mulidiahuan 706.43	9844.18	Cp diss. in gr. dio. (S)	0.2	1.8	0.44	0.00	0.00	0.00	0.00
26	A1115		Mulidiahuan 706.43	9844.18	Cp diss. in gr. dio. (S)	Tr	2.9	0.50	0.00	0.04	0.00	0.00
27	A1116		Mulidiahuan 706.46	9844.18	Cp-Mo-chl Q v. (S)	0.1	7.6	1.46	0.00	0.03	0.02	0.00
28	A1118		Mulidiahuan 705.94	9844.20	Cp-limo. v. (w:0.10m)	1.5	160.9	9.03	0.00	0.03	0.01	0.00
29	B1101		E. Araloma 706.43	9844.89	bt gr. dio., Cp-Py diss. (E)	0.1	1.7	0.26	0.00	0.00	0.00	0.00
30	B1108		E. Araloma 707.07	9844.73	bt-hb gr. dio., Cp-Mo diss. (E)	Tr	1.2	0.24	0.00	0.01	0.01	0.00
31	C1062		705.32	9845.64	bt-hb gr. dio, Py-Cp-Q vlet, Py-Cp diss. (N)	Tr	1.3	0.10	0.00	0.00	0.00	0.00
32	C1063		705.27	9845.67	bt-hb gr. dio, Cp-Py diss. (N)	Tr	Tr	0.02	0.00	0.00	0.00	0.00
33	C1072		706.54	9844.93	bt-hb gr. dio, Cp-Py vlet, diss. (E)	Tr	Tr	0.13	0.00	0.00	0.00	0.00
34	E1024		Rio San Pablo 705.43	9847.17	limo-goe. gossan	Tr	1.3	0.03	0.00	0.00	0.02	–

No.	Sample No.	Location: Area	Coordinates: E	Coordinates: N	Description	Assay Results: (g/t) Au	(g/t) Ag	(%) Cu	(%) Pb	(%) Zn	(%) Mo	(%) W
35	B1110	La Industria	688.83	9824.58	Hm-Goe-limo-Qtz gossan	Tr	0.8	0.03	0.00	0.00	0.01	–
36	B1111		688.57	9824.68	ditto	Tr	Tr	0.02	0.00	0.00	0.01	–
37	B1112		688.39	9824.70	tourmaline-Q v.	0.3	16.3	0.00	0.00	0.00	0.00	0.00
38	B1114		688.59	9824.92	ditto	Tr	Tr	0.01	0.00	0.02	0.00	0.00
39	B1116		E. San Antonio 690.51	9827.02	hb qtz-dio. Py-Cp diss.	Tr	Tr	0.05	0.00	0.01	0.00	–
40	E1030		689.45	9827.29	limo-Q v. in qtz-dio.	Tr	Tr	0.01	0.00	0.00	0.00	–
41	D1071	Tres Hermans	700.03	9825.77	ba. ande, Py-Cp film, diss.	0.1	4.6	0.03	0.00	0.00	0.00	–
42	B1140	Telimbela	703.44	9816.13	hb-bt qtz-dio, Cp-Py diss. (I)	Tr	Tr	0.04	0.00	0.05	0.00	–
43	B1142		703.36	9816.23	qtz-dio., very strongly Cp-Py diss. (I)	Tr	Tr	0.37	0.00	0.01	0.00	0.00
44	B1145		703.36	9816.46	melano. dio., Py-Cp stringer and diss. (I)	Tr	Tr	1.60	0.00	0.02	0.04	0.00
45	B1149		703.59	9816.54	hb-bt gr. dio., Cp-Py diss. and film (I)	Tr	Tr	0.09	0.00	0.01	0.00	0.00
46	B1151		703.59	9816.38	hb qtz dio., Cp-Py diss., second, bt (I)	Tr	Tr	0.05	0.00	0.00	0.00	0.00
47	B1159		703.63	9815.71	hb-bt gr. dio. Py diss. and film (III)	Tr	Tr	0.01	0.00	0.01	0.00	0.00
48	E1045		704.00	9816.66	melano. dio., Cp-Py diss. (II)	Tr	Tr	0.04	0.00	0.17	0.00	–
49	E1049		703.94	9816.94	aplite dyke in bt hornfels, Py-Cp film (II)	Tr	Tr	0.01	0.00	0.01	0.00	–
50	E1051		703.92	9817.04	bt hornfels, Cp-Py-Q v., Cp-Py (II)	Tr	Tr	0.01	0.00	0.01	0.00	–
51	E1056		702.92	9815.23	qtz-dio, Py-Cp-Mo-Q ntwk (IV)	Tr	Tr	0.05	0.00	0.00	0.03	0.00
52	E1057		703.00	9815.16	hb qtz-dio. Py diss, Py-Q stringer/film (IV)	Tr	Tr	0.01	0.00	0.00	0.00	0.00
53	A1086	San Miguel	715.80	9808.91	Cp-Py-Q network v.	Tr	Tr	0.01	0.00	0.06	0.00	–
54	A1100		716.51	9807.77	Hm-clay v. (w:0.20 ~ 0.50m)	Tr	Tr	0.00	0.00	0.00	0.00	–
55	A1103		717.35	9807.32	Hm-Q network	Tr	Tr	0.00	0.00	0.00	0.00	–
56	A1063	Las Guardias	705.84	9802.92	Py-Cp diss. in altered gr. dio. (N)	Tr	Tr	0.01	0.00	0.01	0.00	0.00
57	A1068		706.45	9803.05	Cp-Py diss in gr. dio. (N)	Tr	0.6	0.02	0.00	0.01	0.00	0.00
58	A1075		707.56	9799.63	Cp-Py diss in melano dio. (S)	Tr	Tr	0.03	0.00	0.01	0.00	0.00
59	A1076		707.37	9799.73	Cp-Py-Mo diss in gr. dio. (S)	Tr	Tr	0.00	0.00	0.01	0.00	0.00
60	A1077		707.33	9799.72	Cp-Py diss in gr. dio. (S)	Tr	Tr	0.06	0.00	0.00	0.00	–
61	A1078		707.14	9799.93	ditto (S)	Tr	Tr	0.02	0.00	0.01	0.00	0.10
62	C1042		707.18	9802.00	melano. dio., Cp-Q v. and Py diss. (C)	Tr	Tr	0.01	0.00	0.00	0.00	0.00
63	C1043		707.24	9801.94	altered rock, Cp-Py-bt-Q lenze (C)	Tr	Tr	0.09	0.00	0.01	0.00	0.00
64	C1046		707.60	9801.74	sili. rock, Cp-Py diss, v let. (C)	Tr	Tr	0.01	0.00	0.01	0.00	0.00
65	A1122	Sioota	713.02	9798.14	Py diss. in strongly sili. rock	0.2	3.9	0.09	0.01	0.01	0.00	–
66	C1090	Tambulo	722.43	9784.75	sil-chl rock, Cp-Py film, diss.	Tr	Tr	0.07	0.00	0.02	0.00	–
67	G1019	Tablas Pamba	715.80	9776.59	basaltic hornfels, Cp-Py diss, Cp-Py-epi-Q ntwk	Tr	Tr	0.02	0.00	0.01	0.00	–
68	G1025		715.09	9776.01	ba. ande, Cp-Py film diss.	Tr	Tr	0.02	0.00	0.01	0.00	–
69	E1064	Balacon Chicales	722.79	9752.33	ba. ande, malachite	0.1	7.3	1.47	0.00	0.01	0.00	–
70	C1100		706.02	9742.36	sili. ande, Q-ntwk	Tr	Tr	0.01	0.00	0.03	0.00	–

No.	Hole No.	Depth (m)	Description	Assay Results						
				(g/t) Au	(g/t) Ag	(%) Cu	(%) Pb	(%) Zn	(%) Mo	(%) W
1	MJE-1	36.2 – 37.2	cp-py-chl-bi-Q ntwk in grdio	Tr	1.0	0.11	0.00	0.01	0.00	0.06
2		41 – 42	cp-py-mo-chl-bi-Q ntwk in grdio	Tr	Tr	0.05	0.00	0.00	0.01	0.04
3		47 – 48	ditto	Tr	Tr	0.06	0.00	0.01	0.01	0.05
4		51 – 52	cp-py-chl ntwk and diss in grdio	Tr	Tr	0.06	0.00	0.00	0.00	0.06
5		60 – 61	cp-py-Q ntwk in grdio	Tr	Tr	0.01	0.00	0.00	0.00	0.06
6		82 – 83	cp-py diss & film in grdio	Tr	Tr	0.06	0.00	0.04	0.00	0.09
7		118 – 119	cp-py diss in grdio	Tr	Tr	0.02	0.00	0.03	0.00	0.06
8		212 – 213	ditto	Tr	Tr	0.01	0.00	0.00	0.00	0.05
9		238.5 – 239.5	cp-py-chl lens & diss in grdio	Tr	Tr	0.02	0.00	0.00	0.00	0.05
10		263.5 – 264.6	ditto	Tr	Tr	0.04	0.00	0.00	0.01	0.07
11		274 – 275	cp-py-mo-chl-Q ntwk in grdio	Tr	Tr	0.07	0.00	0.00	0.03	0.04
12		284 – 285	cp-py-chl ntwk in grdio	Tr	Tr	0.04	0.00	0.04	0.02	0.06
13		292 – 293	cp-py-mo-chl-Q ntwk in grdio	Tr	Tr	0.05	0.00	0.00	0.01	0.05
14		304 – 305	cp-py-ep-chl-bi-Q ntwk in grdio	Tr	Tr	0.17	0.00	0.00	0.01	0.06
15	MJE-2	19.5 – 20.5	cp-py-mo-bi-chl-Q ntwk in arg rk	Tr	1.6	0.05	0.00	0.05	0.31	0.05
16		24.5 – 25.5	cp-py-bi-chl-Q ntwk in arg rk	Tr	Tr	0.03	0.00	0.00	0.05	0.07
17		91.5 – 92.5	cp-py-mo-chl-Q ntwk in grdio	Tr	0.5	0.13	0.00	0.00	0.0	0.03
18		137 – 138	cp-py-bi-chl-Q ntwk in grdio	Tr	Tr	0.06	0.00	0.00	0.00	0.06
19		141.5 – 142.5	ditto	Tr	Tr	0.03	0.00	0.00	0.01	0.08
20		169 – 170	cp-py-mo-chl-bi-Q ntwk in grdio	Tr	Tr	0.08	0.00	0.00	0.00	0.06
21		174 – 175	cp-py-chl-bi-Q ntwk in grdio	Tr	Tr	0.07	0.00	0.04	0.00	0.07
22		180 – 181	ditto	Tr	Tr	0.05	0.00	0.04	0.00	0.06
23		185 – 186	ditto	Tr	Tr	0.07	0.00	0.00	0.00	0.06
24		200 – 201	cp-py-ep-bi-chl ntwk in arg rk	Tr	Tr	0.21	0.00	0.01	0.00	0.04
25		260 – 261	cp-py diss in grdio	Tr	Tr	0.02	0.00	0.01	0.00	0.05
26		264.5 – 265.5	ditto	Tr	Tr	0.04	0.00	0.01	0.00	0.04
27		278 – 279	cp-py diss & film in grdio	Tr	Tr	0.03	0.00	0.01	0.00	0.05
28		284 – 285	ditto	Tr	Tr	0.02	0.00	0.01	0.00	0.06
29	MJE-3	30 – 31	cp-py-mo-chl-bi-Q ntwk in arg rk	Tr	1.0	0.08	0.00	0.01	0.05	0.00
30		36 – 37	ditto	Tr	Tr	0.07	0.00	0.00	0.04	0.00
31		42 – 43	ditto	Tr	Tr	0.04	0.00	0.00	0.19	0.00
32		52 – 53	cp-py-mo-chl-bi-Q ntwk in grdio	Tr	Tr	0.06	0.00	0.00	0.13	0.00
33		57 – 58	cp-py-chl-Q ntwk in grdio	Tr	Tr	0.07	0.00	0.04	0.00	0.00
34		62 – 63	ditto	Tr	Tr	0.07	0.00	0.00	0.00	0.00
35		210.5 – 211.5	cp-py-chl-bi-Q ntwk in tuff	Tr	Tr	0.14	0.00	0.01	0.00	0.00
36		229 – 230	cp-py-chl-ep-bi-Q ntwk in tuff	Tr	Tr	0.08	0.00	0.00	0.00	0.00
37		235.5 – 236.5	cp-py-po-chl-bi-Q ntwk in tff	Tr	Tr	0.10	0.00	0.01	0.00	0.00
38		246.5 – 247.5	cp-py-chl-bi-Q ntwk in tuff	Tr	Tr	0.14	0.00	0.00	0.00	0.00
39		251.5 – 252.5	cp-py-chl-Q ntwk in tuff	Tr	Tr	0.36	0.00	0.00	0.00	0.00
40		269.5 – 270.5	cp-py diss in melano dio	Tr	Tr	0.09	0.00	0.00	0.00	0.00
41		276.5 – 277.5	cp-py-chl-bi-Q ntwk in altrk	Tr	Tr	0.16	0.00	0.00	0.00	0.00
42		290 – 291	cp-py diss in grdio	Tr	Tr	0.09	0.00	0.00	0.00	0.00

Table A－4 Results of X-ray Diffractive Analysis (1)~(2)

(1)

No.	Sample No.	Coordinates X	Coordinates Y	Rock name		quartz	plagio class	K-feldspar	hornblende	actinolite	clino pyroxene	biotite	sericite	chlorite	montmorillonite	calcite	laumontite	stilbite	kaolinite	halloysite	pyrite	chalcopyrite	molybdenite	Remarks
1	A1007 (D)	[Balzapamba] 708.04	9807.91	granodiorite white argili/Py diss.	Gd	C	C						C			L	L				L			
2	A1011 (B)	707.97	9808.01	Cp-Py diss. in 2nd bt melano. dio	Di	A	A					A	R									R		
3	A1019 (D)	707.95	9807.74	Cp-Py-Mo diss. in 2nd bt gr. dio.	Gd	A	A					L				R								
4	A1020 (D)	707.95	9807.74	Cp-Py-Mo diss in white altered rock	Gd	L	A	C					L					R				R	R	editote (R)
5	A1021 (D)	707.95	9807.78	Cp-Py-Mo-chl-qtz Vlets in altered rock	Gd	C	A	L				C	C	L		L		L	L		R	R	R	
6	A1044	709.22	9806.37	andesitic hornfels Cp-Py diss	An	A	A		L	L				R					R		R	L	(R)	
7	A1062	704.61	9807.64	hornfels Cp-Py diss	An	A	C					L		C		R					L	R		
8	A1109	708.71	9810.41	hemetite-clay	Tf	A							L							L				
9	A1124	707.38	9805.98	Py-Cp diss in corse granodio.	Gd	A	C		R			L	L	L		R			L		L	R	R	
10	B1002	708.12	9807.80	bt hornfels	An		L		C			A		L										
11	B1022	703.74	9805.34	white clay zone	An	A			C															
12	B1052	709.61	9811.57	qtz-andesite	Qan	A	A				L			C										
13	B1053	709.45	9811.52	brownish white clay	Qan	A							L	L					L					
14	C1004	708.22	9808.25	hb-bt granodio, second. bt	Gd	A	A		L			C	L			L						L		
15	C1009	708.18	9809.02	hb diorite, Py diss.	Di	A	A						C	L	L									
16	C1010	708.08	9809.57	silicified rock. Py-qtz ntwk/Py diss.	Tf	A	A						L	R							L			
17	C1013	707.96	9810.43	silicified rock (lap. tf?) in clay-Py	Tf	A	C						L	L					L	L	L			
18	C1017	708.76	9810.54	white clay zone	Tf	A	C												L	L				
19	C1025	706.57	9808.55	Py-limo-sili hornfels in argi. zone	An	A										L					L			
20	C1032	709.25	9810.38	Py-argi. rock.	Qan	A	C						L	C		R				L	L			
21	A1115	[Chaso Juan] 706.43	9844.18	Cp. diss. in coarse granodio.	Gd	A	A		R		L	C		L								L		
22	B1101	706.43	9844.89	medium bt granodio, Cp-Py diss	Gd	A	A	A				L	R	R								R		
23	B1104	706.74	9844.80	bt-hb granodio. chl.	Gd	A	A	C						L										
24	B1108	707.07	9844.73	bt-hb granodio. Cp-Mo diss	Gd	A	A					L		L								L	R	
25	C1066	705.10	9845.90	bt-hb granodio, Cp-Py-Mo diss/white clay	Gd	A	A					C	L					R	R		L	L	R	
26	C1073	706.73	9844.87	hb-by granodio, Py-Mo. diss/second. bt	Gd	A	A	C				C											R	
27	B1116	[La Industria] 690.51	9827.02	hb-qtz dio. Py-Cp diss	Qd	A	A							L							L	R		epistilbite (L)
28	B1117	690.56	9827.01	hb qtz dio Py diss	Qd	A	A					L		L							L	L		
29	B1122	691.44	9826.43	qtz dio. sili-chl/Py film	Qd	A	A						L	L										
30	D1063	688.52	9826.05	qtz-dio sili-clay/Py diss	Qd	A							L						L	L	L			
31	B1141	[Telimbela] 703.41	9816.18	qtz dio/melano. dio Py-Cp diss	Di	A	C	L			R	L	L	L		R					L	L		
32	B1143	703.37	9816.33	hb qtz dio. Py-(Cp) diss	Qd	A	A						L	L		R					R	R		
33	B1145	703.36	9816.46	melano. dio. chl/ Py-Cp stringer/Py-Cp diss	Di	A	A					L	L	L		L					L	L		
34	B1150	703.59	9816.48	hb qtz-dio, second bt/ chl/Cp-Py diss. film	Qd	A	A					L	L	L		R					L	L	R	
35	E1055	702.90	9815.25	hb qtz dio, chl-sili/ Py-Cp film, Py diss	Qd	A	A							C		L					L	L	R	

No.	Sample No.	Coordinates X	Coordinates Y	Rock name		quartz	plagioclase	K-feldspar	hornblende	actinolite	clino pyroxene	biotite	sericite	chlorite	montmorillonite	calcite	laumontite	stilbite	kaolinite	halloysite	pyrite	chalcopyrite	molybdenite	Remarks
36	E1056	[Telimbela] 702.92	9815.23	qtz dio, sili-chl/ Py-Cp-Mo-qtz veinlet	Qd	A	A		R				R	C		R			R	R	L		R	
37	E1057	703.00	9815.16	hb qtz dio, sili-chl/ Py diss, Py-qtz stringer	Qd	A	L						L	L	L						L			
38	A1085	[San Miguel] 715.75	9808.91	dacitic pumice tuff	Da	A	C						L	L					L	L				
39	A1088	715.72	9809.02	Sili. rock with Py veinlet	Da	A							L	L					L	L	L			
40	A1092	716.27	9808.22	white arg. rock	Da	A														C				cristobalite (C)
41	A1098	716.45	9807.88	white clay-Py diss	Da	A	C							C					C					
42	A1099	716.45	9807.88	chl. rock	Da	A	A						R	L					L	L	L			
43	A1103	717.35	9807.32	hematite-qtz ntwk.	Da	A	L						L							L				hematite (L)
44	A1075	[Las Guardias] 707.56	9799.63	Cp-Py diss in melano. granodio.	Di	A	A		L			L	L			L					L	L		
45	A1076	707.37	9799.73	Cp-Py-Mo diss in Coarse granodio.	Gd	A	C		L					R				R			L	L	R	
46	B1079	707.27	9801.46	hornfels, sili/Py diss	An	A	A							L		R		L			L			
47	B1080	707.24	9801.51	ditto	An	A	A						R	L		R					L			
48	C1047	707.63	9801.68	Py-qtz-clay (f. clay)	Gd	A							L					L			L			
49	A1120	[Sicota] 712.71	9798.31	altered rock sili-clay	Gd	A													C	C				epistilbite (R)
50	C1090	[Tambillo] 722.43	9784.75	sili-chl. rock Cp-Py film/diss	An	A	A						L			R				L	R	R		
51	D1076	721.51	9784.37	sili andesite Py-Cp diss	An	A	C	L	L												R			
52	C1060	[Tablas Pamba] 714.96	9775.90	ande. hornfels sil.	An –3	L	A		L		L							L			L	L		
53	G1024	715.15	9776.13	chl. basalt	Ba –2	C				L				L					L					
54	E1064	[Balaron] 722.79	9752.33	basaltic andesite malachite	Ba	L	C				L		L	L						R				malachite (R)
55	C1100	[Chilcales] 706.02	9742.36	sili. andesite qtz ntwk.	An	C					L													prhenite (L)

Table A－5 Results of the Measured Value of the Magnetic Susceptibility (1)～(5)

(1)

No.	Measured Point No.	Measured Value	Remarks	No.	Measured Point No.	Measured Value	Remarks	No.	Measured Point No.	Measured Value	Remarks
1	MBP1001	35		39	MBP1039	25		77	MBP1077	3	
2	MBP1002	40		40	MBP1040	9		78	MBP1078	4	
3	MBP1003	4		41	MBP1041	0.4		79	MBP1079	0.5	
4	MBP1004	3		42	MBP1042	51		80	MBP1080	32	
5	MBP1005	9		43	MBP1043	0.4		81	MBP1081	61	
6	MBP1006	33		44	MBP1044	20		82	MBP1082	0.2	
7	MBP1007	50		45	MBP1045	12		83	MBP1083	0.2	
8	MBP1008	44		46	MBP1046	45		84	MBP1084	0.7	
9	MBP1009	6		47	MBP1047	0.01		85	MBP1085	7	
10	MBP1010	34		48	MBP1048	3		86	MBP1086	11	
11	MBP1011	24		49	MBP1049	16		87	MBP1087	0.2	
12	MBP1012	24		50	MBP1050	3		88	MBP1088	0.2	
13	MBP1013	22		51	MBP1051	2		89	MBP1089	0.3	
14	MBP1014	0.6		52	MBP1052	3		90	MBP1090	51	
15	MBP1015	2		53	MBP1053	1		91	MBP1091	1.2	
16	MBP1016	1.3		54	MBP1054	0.7		92	MBP1092	0.6	
17	MBP1017	24		55	MBP1055	0.3		93	MBP1093	0.3	
18	MBP1018	38		56	MBP1056	6		94	MBP1094	0.5	
19	MBP1019	39		57	MBP1057	0.4		95	MBP1095	25	
20	MBP1020	1.5		58	MBP1058	0.3		96	MBP1096	1	
21	MBP1021	2		59	MBP1059	0.5		97	MBP1097	0.4	
22	MBP1022	5		60	MBP1060	0.3		98	MBP1098	45	
23	MBP1023	42		61	MBP1061	0.3		99	MBP1099	54	
24	MBP1024	68		62	MBP1062	3		100	MBP1100	32	
25	MBP1025	69		63	MBP1063	0.5		101	MBP1101	102	
26	MBP1026	27		64	MBP1064	0.6		102	MBP1102	55	
27	MBP1027	37		65	MBP1065	0.3		103	MBP1103	50	
28	MBP1028	20		66	MBP1066	0.7		104	MBP1104	35	
29	MBP1029	31		67	MBP1067	0.3		105	MBP1105	29	
30	MBP1030	6		68	MBP1068	0.4		106	MBP1106	28	
31	MBP1031	21		69	MBP1069	0.6		107	MBP1107	40	
32	MBP1032	22		70	MBP1070	0.7		108	MBP1108	27	
33	MBP1033	11		71	MBP1071	0.3		109	MBP1109	28	
34	MBP1034	14		72	MBP1072	3		110	MBP1110	8	
35	MBP1035	72		73	MBP1073	4		111	MBP1111	10	
36	MBP1036	50		74	MBP1074	20		112	MBP1112	17	
37	MBP1037	40		75	MBP1075	0.9		113	MBP1113	30	
38	MBP1038	0.4		76	MBP1076	14		114	MBP1114	49	

(2)

No.	Measured Point No.	Measured Value	Remarks	No.	Measured Point No.	Measured Value	Remarks	No.	Measured Point No.	Measured Value	Remarks
115	MBP1115	28		153	MBP1153	38		191	MBP1191	170	
116	MBP1116	36		154	MBP1154	42		192	MBP1192	125	
117	MBP1117	45		155	MBP1155	25		193	MBP1193	127	
118	MBP1118	156		156	MBP1156	32		194	MBP1194	116	
119	MBP1119	46		157	MBP1157	35		195	MBP1195	117	
120	MBP1120	47		158	MBP1158	45		196	MBP1196	81	
121	MBP1121	156		159	MBP1159	42		197	MBP1197	132	
122	MBP1122	35		160	MBP1160	41		198	MBP1198	80	
123	MBP1123	85		161	MBP1161	42		199	MBP1199	33	
124	MBP1124	45		162	MBP1162	46		200	MBP1200	117	
125	MBP1125	43		163	MBP1163	48		201	MBP1201	50	
126	MBP1126	34		164	MBP1164	44		202	MBP1202	75	
127	MBP1127	13		165	MBP1165	42		203	MBP1203	1	
128	MBP1128	53		166	MBP1166	40		204	MBP1204	30	
129	MBP1129	45		167	MBP1167	43					
130	MBP1130	73		168	MBP1168	49		205	MCJ1001	75	
131	MBP1131	65		169	MBP1169	48		206	MCJ1002	36	
132	MBP1132	57		170	MBP1170	45		207	MCJ1003	25	
133	MBP1133	42		171	MBP1171	48		208	MCJ1004	75	
134	MBP1134	73		172	MBP1172	31		209	MCJ1005	61	
135	MBP1135	70		173	MBP1173	42		210	MCJ1006	84	
136	MBP1136	118		174	MBP1174	0.8		211	MCJ1007	35	
137	MBP1137	38		175	MBP1175	62		212	MCJ1008	35	
138	MBP1138	48		176	MBP1176	1		213	MCJ1009	28	
139	MBP1139	0.6		177	MBP1177	5		214	MCJ1010	73	
140	MBP1140	12		178	MBP1178	2		215	MCJ1011	40	
141	MBP1141	2		179	MBP1179	2		216	MCJ1012	0.5	
142	MBP1142	3		180	MBP1180	0.4		217	MCJ1013	7	
143	MBP1143	0.4		181	MBP1181	8		218	MCJ1014	28	
144	MBP1144	30		182	MBP1182	8		219	MCJ1015	42	
145	MBP1145	46		183	MBP1183	84		220	MCJ1016	78	
146	MBP1146	63		184	MBP1184	3		221	MCJ1017	33	
147	MBP1147	42		185	MBP1185	13		222	MCJ1018	29	
148	MBP1148	32		186	MBP1186	18		223	MCJ1019	26	
149	MBP1149	22		187	MBP1187	20		224	MCJ1020	5	
150	MBP1150	20		188	MBP1188	40		225	MCJ1021	15	
151	MBP1151	6		189	MBP1189	67		226	MCJ1022	28	
152	MBP1152	17		190	MBP1190	78		227	MCJ1023	28	

No.	Measured Point No.	Measured Value	Remarks	No.	Measured Point No.	Measured Value	Remarks	No.	Measured Point No.	Measured Value	Remarks
228	MCJ1024	0.5		265	MLY1026	58		301	MTE1028	16	
229	MCJ1025	6		266	MLY1027	56		302	MTE1029	7	
230	MCJ1026	8		267	MLY1028	113		303	MTE1030	18	
231	MCJ1027	17						304	MTE1031	30	
232	MCJ1028	27		268	MTH1001	24		305	MTE1032	28	
233	MCJ1029	14		269	MTH1002	86		306	MTE1033	0.8	
234	MCJ1030	14		270	MTH1003	1		307	MTE1034	14	
235	MCJ1031	16		271	MTH1004	21		308	MTE1035	20	
236	MCJ1032	12		272	MTH1005	36		309	MTE1036	25	
237	MCJ1033	20		273	MTH1006	1		310	MTE1037	26	
238	MCJ1034	14						311	MTE1038	35	
239	MCJ1035	24		274	MTE1001	104		312	MTE1039	45	
				275	MTE1002	76		313	MTE1040	54	
240	MLY1001	1		276	MTE1003	23		314	MTE1041	83	
241	MLY1002	0.4		277	MTE1004	29		315	MTE1042	28	
242	MLY1003	0.3		278	MTE1005	8		316	MTE1043	12	
243	MLY1004	30		279	MTE1006	5		317	MTE1044	10	
244	MLY1005	43		280	MTE1007	37		318	MTE1045	28	
245	MLY1006	48		281	MTE1008	24		319	MTE1046	32	
246	MLY1007	58		282	MTE1009	9		320	MTE1047	53	
247	MLY1008	40		283	MTE1010	37		321	MTE1048	5	
248	MLY1009	32		284	MTE1011	48		322	MTE1049	6	
249	MLY1010	28		285	MTE1012	17		323	MTE1050	16	
250	MLY1011	23		286	MTE1013	16					
251	MLY1012	19		287	MTE1014	28		324	MSM1001	5	
252	MLY1013	15		288	MTE1015	0.7		325	MSM1002	0.3	
253	MLY1014	37		289	MTE1016	7		326	MSM1003	0.02	
254	MLY1015	50		290	MTE1017	1		327	MSM1004	1.1	
255	MLY1016	0.6		291	MTE1018	21		328	MSM1005	0.01	
256	MLY1017	46		292	MTE1019	36		329	MSM1006	0.3	
257	MLY1018	20		293	MTE1020	37		330	MSM1007	0.4	
258	MLY1019	0.5		294	MTE1021	22		331	MSM1008	0.1	
259	MLY1020	6		295	MTE1022	17		332	MSM1009	41	
260	MLY1021	24		296	MTE1023	4		333	MSM1010	4	
261	MLY1022	21		297	MTE1024	40		334	MSM1011	37	
262	MLY1023	0.1		298	MTE1025	24		335	MSM1012	0.5	
263	MLY1024	0.6		299	MTE1026	21		336	MSM1013	15	
264	MLY1025	80		300	MTE1027	21		337	MSM1014	4	

No.	Measured Point No.	Measured Value	Remarks	No.	Measured Point No.	Measured Value	Remarks	No.	Measured Point No.	Measured Value	Remarks
338	MSM1015	0.1		375	MLG1030	28		411	MTA1007	9	
339	MSM1016	17		376	MLG1031	25					
340	MSM1017	0.1		377	MLG1032	90		412	MTP1001	0.8	
341	MSM1018	1.5		378	MLG1033	42		413	MTP1002	0.7	
342	MSM1019	9		379	MLG1034	2		414	MTP1003	0.5	
343	MSM1020	8		380	MLG1035	8		415	MTP1004	1.2	
344	MSM1021	7		381	MLG1036	89		416	MTP1005	0.3	
345	MSM1022	0.05		382	MLG1037	34		417	MTP1006	6	
				383	MLG1038	35		418	MTP1007	17	
346	MLG1001	21		384	MLG1039	38		419	MTP1008	8	
347	MLG1002	14		385	MLG1040	24		420	MTP1009	13	
348	MLG1003	29		386	MLG1041	37		421	MTP1010	23	
349	MLG1004	46		387	MLG1042	20		422	MTP1011	36	
350	MLG1005	5		388	MLG1043	28		423	MTP1012	31	
351	MLG1006	7		389	MLG1044	27		424	MTP1013	33	
352	MLG1007	0.6		390	MLG1045	17		425	MTP1014	0.3	
353	MLG1008	40		391	MLG1046	73		426	MTP1015	63	
354	MLG1009	37		392	MLG1047	8		427	MTP1016	52	
355	MLG1010	70		393	MLG1048	97		428	MTP1017	33	
356	MLG1011	0.5		394	MLG1049	35		429	MTP1018	36	
357	MLG1012	27		395	MLG1050	27		430	MTP1019	41	
358	MLG1013	90		396	MLG1051	29		431	MTP1020	35	
359	MLG1014	87		397	MLG1052	41		432	MTP1021	7	
360	MLG1015	0.5		398	MLG1053	30		433	MTP1022	0.4	
361	MLG1016	30		399	MLG1054	32		434	MTP1023	26	
362	MLG1017	0.2		400	MLG1055	34		435	MTP1024	20	
363	MLG1018	7		401	MLG1056	28					
364	MLG1019	42						436	MBA1001	31	
365	MLG1020	45		402	MSI1001	0.03		437	MBA1002	30	
366	MLG1021	35		403	MSI1002	0.01		438	MBA1003	0.3	
367	MLG1022	0.5		404	MSI1003	0.15		439	MBA1004	13	
368	MLG1023	0.3						440	MBA1005	8	
369	MLG1024	42		405	MTA1001	20		441	MBA1006	15	
370	MLG1025	37		406	MTA1002	18		442	MBA1007	10	
371	MLG1026	0.5		407	MTA1003	9		443	MBA1008	16	
372	MLG1027	2		408	MTA1004	14		444	MBA1009	22	
373	MLG1028	47		409	MTA1005	5		445	MBA1010	16	
374	MLG1029	29		410	MTA1006	6		446	MBA1011	10	

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No.	Measured Point No.	Measured Value	Remarks	No.	Measured Point No.	Measured Value	Remarks	No.	Measured Point No.	Measured Value	Remarks
447	MBA1012	4									
448	MBA1013	15									
449	MBA1014	4									
450	MCA1001	0.35									
451	MCA1002	0.38									
452	MCA1003	2									
453	MCA1004	14									
454	MCA1005	36									
455	MCA1006	0.78									
456	MCA1007	50									

Table A－6 Results of Geochemical Analysis

Ser. No.	Sample No.	Geol. Unit	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm	Co ppm	Ni ppm	Factor 1	Factor 2	Factor 3	Scores 4		
1	A1002	G	0.0	84	1	41	0	10	10	−.335	−.489	−.127	.216		
2	A1003	G	0.1	475	3	34	1	15	8	−.373	.261	.559	−.216		
3	A1004	G	0.0	358	2	27	0	12	8	−.272	−.210	.278	−.077		
4	A1006	G	0.0	28	2	7	5	1	3	1.786	−.490	−.561	−1.015		
5	A1007	G	0.1	7	2	11	0	8	1	1.060	−.863	−.017	−.153		El Torneado
6	A1008	G	0.0	62	0	31	270	4	4	.567	−.453	−.086	−1.200		
7	A1011	D	0.1	154	2	57	1	9	6	−.055	.072	.433	.141		
8	A1014	G	0.1	7	0	39	31	8	9	−.108	−.595	−.594	−.617		
9	A1016	G	0.2	147	17	119	0	13	7	−.355	.446	1.318	.460		
10	A1017	G	0.1	128	1	36	0	13	9	−.355	−.011	−.067	.090		
11	A1018	G	0.0	130	1	35	0	9	7	−.104	−.402	−.020	.152		
12	A1019	G	0.1	131	3	28	0	8	5	.224	.013	.319	−.038		
13	A1123	G	0.3	11	0	25	0	10	4	.301	.060	−.613	.078		Osohuayco
14	A1126	G	0.5	166	0	22	0	12	10	−.123	1.085	−.560	−.252		
15	B1024	M	0.2	67	0	12	1	1	9	1.356	.714	−1.222	−.569	Balzapamba	
16	B1025	M	0.4	822	3	35	1	4	32	−.064	1.637	−.123	−.468		El Cristal
17	B1026	M	1.1	3353	7	29	8	14	67	−.957	2.455	.317	−1.301		
18	B1027	M	0.0	28	0	10	0	4	1	1.375	−.833	−.393	−.138		
19	B1051	M	0.1	22	4	57	1	5	1	1.036	−.462	.857	.375		Gualazay
20	B1052	M	0.0	34	2	52	0	6	4	.305	−.699	.254	.425		do.
21	C1004	G	0.1	15	0	35	0	8	6	.096	−.472	−.568	.267		Q. San Cristobal
22	C1007	M	0.1	250	0	51	0	2	5	.875	.448	−.235	.319		
23	C1009	D	0.2	128	2	46	0	1	4	1.471	.816	−.001	.193		
24	C1012	M	0.0	3	3	6	0	8	3	.663	−1.421	−.520	−.474		Las Palmas
25	C1013	M	0.0	18	3	85	1	21	25	−1.239	−.895	.120	.335		
26	C1016	M	0.2	6	1	71	0	13	11	−.471	−.273	−.389	.501		
27	C1018	G	0.0	162	3	38	0	13	4	−.083	−.474	.649	.170		
28	C1022	G	0.0	11	0	17	0	1	1	2.076	−.794	−.605	.165		Las Juntas
29	C1023	D	0.1	111	1	64	0	7	4	.229	.007	.251	.450		
30	C1028	M	0.0	28	0	37	0	23	135	−1.860	−.659	−1.240	.015		
31	C1032	M	0.1	211	5	75	0	21	12	−.854	.056	.768	.293		Gualazay
32	C1038	M	0.1	26	1	36	1	8	14	−.253	−.262	−.497	−.027		East
33	C1041	M	0.0	33	2	23	0	12	42	−.907	−.634	−.654	−.189		do.
34	B1101	G	1.1	3113	1	24	0	5	6	.636	2.396	.079	−.413		
35	B1102	G	0.2	442	0	21	0	9	10	−.045	.793	−.434	−.255		
36	B1104	G	0.0	256	8	33	0	4	2	.908	−.227	1.003	.090		Chaso Juan
37	C1072	G	0.3	809	0	21	4	10	7	.064	1.152	−.146	−.755		
38	C1073	G	0.0	191	0	17	0	7	3	.501	−.356	−.199	−.091		
39	B1115	Q	0.0	261	4	60	2	17	24	−1.057	−.225	.489	−.140		
40	B1117	Q	0.2	232	2	64	1	22	16	−.922	.542	.334	.027		La Industria
41	B1118	Q	0.2	59	3	48	2	9	16	−.352	.366	.045	−.219		− Yatubi
42	C1083	Q	0.1	39	0	37	0	11	28	−.732	−.155	−.855	.096		
43	B1147	P	0.2	882	0	215	0	7	4	.056	.980	.675	.907		
44	B1148	Q	0.0	245	0	73	0	10	6	−.246	−.258	.152	.525		
45	B1149	Q	0.2	654	0	45	0	13	8	−.301	.820	.010	.110		Telimbela
46	B1150	Q	0.3	683	13	50	1	8	5	.234	1.111	1.195	−.173		
47	E1044	Q	0.0	33	2	28	0	5	4	.519	−.689	.014	.132		
48	E1046	Q	0.1	122	3	25	135	7	2	.664	−.041	.788	−1.271		
49	A1098	L	0.1	104	2	116	0	24	11	−.981	−.127	.560	.599		
50	A1099	L	0.2	3545	2	50	7	14	9	−.414	1.229	.833	−.619		San Miguel
51	A1100	L	0.0	18	4	13	0	3	1	1.527	−.897	.262	−.110		
52	A1101	L	0.0	26	2	7	0	2	1	1.855	−.746	−.189	−.384		
53	A1074	G	0.0	21	0	30	0	10	2	.377	−.975	−.134	.334		
54	A1075	D	0.2	86	0	26	0	9	7	.073	.371	−.483	−.033		
55	A1076	G	0.1	26	0	25	0	7	5	.302	−.341	−.564	.096		Las Guardias
56	C1044	G	0.2	348	0	24	3	26	21	−.985	.625	−.395	−.657		
57	C1049	G	0.0	222	0	29	1	9	6	−.025	−.284	−.152	−.068		
58	C1054	G	0.0	19	0	34	0	3	17	.165	−.580	−1.021	.195		
59	C1088	M	0.0	8	0	115	0	4	2	.667	−1.007	.000	1.026		
60	C1089	P	0.0	1236	0	48	2	7	7	−.049	.206	.192	−.089		Tambillo
61	D1076	M	0.1	142	2	570	0	7	7	−.379	.169	1.047	1.387		
62	C1060	M	0.3	248	2	50	0	17	10	−.497	.807	.315	.078		
63	G1024	M	0.0	72	1	85	0	30	19	−1.351	−.646	.080	.510		Tablas Pamba
64	G1025	M	0.0	190	0	59	0	19	16	−.973	−.350	−.156	.342		
65	C1104	M	0.1	135	1	42	0	13	17	−.643	.065	−.215	.099		Balaron
66	C1097	M	0.1	109	0	95	0	24	94	−1.845	.089	−.652	.375		Chilcales Alto
67	C1099	M	0.0	140	3	88	0	30	22	−1.405	−.480	.501	.414		

G : gr. dio. M : Macuchi. F.

Q : qtz-dio. L : Lourdes V.

D : melano. dio.

P : por. qtz-dio
gr. por.

F1 Co-Ni-Zn

F2 Ag-Cu

F3 Pb-Zn-Cu

F4 Mo

Table A－7 List of Apparent Resistivity (1)～(2)

(1)

No.	2048Hz	1024Hz	512Hz	256Hz	128Hz	64Hz	32Hz	16Hz	8Hz	4Hz
1	.689E+03	.728E+03	.863E+03	.115E+04	.170E+04	.286E+04	.444E+04	.670E+04	.116E+05	.298E+05
2	.555E+02	.795E+02	.106E+03	.157E+03	.240E+03	.431E+03	.635E+03	.982E+03	.196E+04	.249E+04
3	.143E+02	.445E+02	.356E+02	.637E+02	.769E+02	.846E+02	.183E+03	.562E+03	.356E+03	.212E+03
4	.117E+04	.164E+04	.235E+04	.269E+04	.333E+04	.446E+04	.535E+04	.654E+04	.104E+05	.197E+05
5	.104E+04	.843E+03	.902E+03	.145E+04	.204E+04	.332E+04	.382E+04	.431E+04	.720E+04	.212E+05
6	.805E+02	.128E+03	.211E+03	.318E+03	.489E+03	.807E+03	.114E+04	.153E+04	.277E+04	.373E+04
7	.275E+03	.470E+03	.689E+03	.887E+03	.115E+04	.163E+04	.196E+04	.261E+04	.383E+04	.687E+04
8	.143E+03	.314E+03	.539E+03	.782E+03	.118E+04	.174E+04	.229E+04	.310E+04	.453E+04	.823E+04
9	.208E+03	.298E+03	.334E+03	.422E+03	.618E+03	.817E+03	.969E+03	.109E+04	.137E+04	.201E+04
10	.116E+04	.979E+03	.107E+04	.867E+03	.669E+03	.830E+03	.951E+03	.127E+04	.202E+04	.438E+04
11	.168E+04	.248E+04	.336E+04	.354E+04	.368E+04	.468E+04	.565E+04	.744E+04	.113E+05	.204E+05
12	.409E+03	.124E+04	.137E+04	.164E+04	.183E+04	.254E+04	.292E+04	.383E+04	.849E+04	.618E+04
13	.136E+04	.488E+03	.598E+03	.581E+03	.518E+03	.494E+03	.600E+03	.593E+03	.523E+03	.736E+03
14	.395E+03	.554E+03	.589E+03	.576E+03	.606E+03	.746E+03	.808E+03	.948E+03	.118E+04	.181E+04
15	.505E+03	.761E+03	.105E+04	.811E+03	.909E+03	.119E+04	.127E+04	.123E+04	.162E+04	.176E+04
16	.191E+03	.253E+03	.286E+03	.239E+03	.219E+03	.270E+03	.327E+03	.405E+03	.638E+03	.108E+04
17	.558E+03	.321E+03	.598E+03	.375E+03	.276E+03	.379E+03	.417E+03	.516E+03	.904E+03	.107E+04
18	.930E+02	.253E+03	.175E+03	.164E+03	.245E+03	.262E+03	.284E+03	.357E+03	.500E+03	.101E+04
19	.652E+02	.573E+03	.390E+03	.571E+03	.387E+03	.623E+03	.493E+03	.751E+03	.122E+04	.215E+04
20	.520E+02	.197E+03	.129E+03	.172E+03	.173E+03	.215E+03	.244E+03	.299E+03	.489E+03	.847E+03
21	.186E+03	.674E+03	.614E+03	.104E+04	.664E+03	.110E+04	.167E+04	.189E+04	.211E+04	.430E+04
22	.121E+05	.625E+04	.103E+05	.104E+05	.141E+05	.163E+05	.181E+05	.216E+05	.365E+05	.616E+05
23	.116E+05	.239E+04	.301E+04	.293E+04	.311E+04	.356E+04	.404E+04	.462E+04	.568E+04	.655E+04
24	.349E+03	.380E+03	.465E+03	.486E+03	.533E+03	.647E+03	.640E+03	.769E+03	.108E+04	.172E+04
25	.246E+04	.934E+03	.715E+03	.594E+03	.468E+03	.505E+03	.439E+03	.440E+03	.462E+03	.672E+03
26	.779E+03	.467E+03	.692E+03	.487E+03	.268E+03	.252E+03	.281E+03	.310E+03	.485E+03	.110E+04
27	.275E+03	.264E+03	.300E+03	.115E+03	.211E+03	.165E+03	.144E+03	.177E+03	.257E+03	.620E+03
28	.386E+03	.635E+03	.401E+03	.409E+03	.432E+03	.521E+03	.596E+03	.719E+03	.816E+03	.162E+04
29	.500E+03	.239E+03	.361E+03	.380E+03	.386E+03	.404E+03	.488E+03	.527E+03	.737E+03	.104E+04
30	.147E+04	.528E+03	.724E+03	.127E+04	.421E+04	.263E+04	.330E+04	.464E+04	.791E+04	.142E+05
31	.108E+03	.189E+03	.172E+03	.180E+03	.132E+03	.180E+03	.169E+03	.229E+03	.331E+03	.552E+03
32	.119E+04	.174E+04	.169E+04	.167E+04	.146E+04	.129E+04	.107E+04	.145E+04	.181E+04	.253E+04
33	.113E+04	.127E+04	.174E+04	.958E+03	.835E+03	.862E+03	.754E+03	.107E+04	.211E+04	.565E+04
34	.201E+03	.265E+03	.136E+03	.189E+03	.106E+03	.244E+03	.289E+03	.319E+03	.617E+03	.654E+03
35	.147E+06	.101E+04	.111E+04	.107E+04	.981E+03	.842E+03	.822E+03	.991E+03	.197E+04	.327E+04
36	.190E+04	.173E+04	.191E+04	.187E+04	.210E+04	.222E+04	.175E+04	.259E+04	.354E+04	.566E+04
37	.406E+02	.396E+03	.339E+03	.268E+03	.305E+03	.292E+03	.325E+03	.437E+03	.653E+03	.101E+04
38	.386E+03	.450E+03	.390E+03	.214E+03	.202E+03	.216E+03	.166E+03	.185E+03	.202E+03	.234E+03
39	.195E+03	.232E+03	.219E+03	.167E+03	.136E+03	.127E+03	.127E+03	.232E+03	.413E+03	.675E+03
40	.440E+04	.444E+04	.709E+04	.806E+04	.678E+04	.783E+04	.849E+04	.133E+05	.236E+05	.424E+05
41	.250E+04	.676E+03	.255E+03	.215E+03	.738E+02	.645E+02	.498E+02	.107E+03	.301E+03	.368E+03
42	.257E+03	.160E+04	.104E+04	.119E+04	.106E+04	.111E+04	.775E+03	.141E+04	.200E+04	.382E+04
43	.244E+03	.174E+03	.136E+03	.158E+03	.131E+03	.167E+03	.106E+03	.116E+03	.162E+03	.473E+03
44	.201E+03	.448E+03	.377E+03	.393E+03	.443E+03	.666E+03	.782E+03	.125E+04	.198E+04	.199E+04
45	.131E+04	.196E+04	.164E+04	.148E+04	.153E+04	.216E+04	.247E+04	.344E+04	.693E+04	.140E+05
46	.489E+03	.128E+03	.270E+03	.235E+03	.500E+02	.759E+02	.107E+03	.260E+03	.211E+03	.292E+03
47	.893E+03	.237E+04	.208E+04	.299E+04	.314E+04	.347E+04	.518E+04	.842E+04	.144E+05	.202E+05
48	.371E+04	.428E+04	.465E+04	.689E+04	.401E+04	.487E+04	.492E+04	.758E+04	.312E+04	.405E+05
49	.288E+04	.280E+04	.140E+04	.104E+04	.429E+03	.259E+03	.248E+03	.261E+03	.772E+03	.141E+04
50	.455E+02	.235E+03	.194E+03	.204E+03	.125E+03	.119E+03	.160E+03	.271E+03	.373E+03	.578E+03
51	.128E+04	.153E+03	.837E+03	.442E+03	.216E+03	.142E+03	.175E+03	.196E+03	.384E+03	.987E+03
52	.765E+03	.874E+03	.104E+04	.854E+03	.618E+03	.692E+03	.706E+03	.108E+04	.199E+04	.263E+04
53	.546E+03	.785E+03	.111E+04	.100E+04	.854E+03	.894E+03	.899E+03	.156E+04	.282E+04	.497E+04
54	.705E+03	.835E+03	.708E+03	.796E+03	.774E+03	.859E+03	.105E+04	.169E+04	.307E+04	.416E+04
55	.172E+04	.282E+04	.711E+04	.278E+04	.971E+03	.987E+03	.146E+04	.166E+04	.297E+04	.104E+05
56	.264E+03	.280E+03	.334E+03	.207E+03	.193E+03	.191E+03	.206E+03	.344E+03	.493E+03	.454E+03
57	.269E+05	.568E+03	.301E+04	.217E+04	.756E+03	.584E+03	.690E+03	.758E+03	.136E+04	.247E+04
58	.137E+04	.334E+04	.403E+04	.234E+04	.388E+04	.221E+04	.301E+04	.327E+04	.530E+04	.792E+04
101	.367E+05	.134E+04	.464E+04	.424E+04	.397E+04	.354E+04	.393E+04	.543E+04	.902E+04	.118E+05
102	.189E+04	.124E+04	.131E+04	.152E+04	.105E+04	.157E+04	.172E+04	.225E+04	.355E+04	.525E+04
103	.557E+03	.441E+03	.555E+03	.619E+03	.620E+03	.712E+03	.738E+03	.103E+04	.179E+04	.245E+04
104	.231E+04	.208E+04	.248E+04	.240E+04	.257E+04	.280E+04	.320E+04	.428E+04	.604E+04	.131E+05
105	.509E+03	.860E+03	.101E+04	.103E+04	.962E+03	.103E+04	.106E+04	.144E+04	.231E+04	.370E+04
106	.166E+04	.272E+04	.273E+04	.342E+04	.400E+04	.426E+04	.446E+04	.580E+04	.887E+04	.178E+05

No.	2048Hz	1024Hz	512Hz	256Hz	128Hz	64Hz	32Hz	16Hz	8Hz	4Hz
107	.187E+04	.921E+03	.590E+03	.483E+03	.339E+03	.367E+03	.311E+03	.345E+03	.494E+03	.795E+03
108	.385E+04	.770E+03	.106E+04	.161E+04	.167E+04	.201E+04	.205E+04	.328E+04	.451E+04	.702E+04
109	.129E+04	.442E+03	.644E+03	.120E+04	.139E+04	.156E+04	.190E+04	.273E+04	.401E+04	.191E+04
110	.356E+04	.125E+04	.322E+04	.277E+04	.269E+04	.318E+04	.449E+04	.547E+04	.100E+05	.164E+05
111	.595E+04	.281E+04	.482E+04	.460E+04	.475E+04	.513E+04	.533E+04	.763E+04	.114E+05	.250E+05
112	.875E+04	.433E+04	.384E+04	.574E+04	.548E+04	.634E+04	.672E+04	.915E+04	.138E+05	.200E+05
113	.179E+04	.176E+05	.273E+04	.333E+04	.355E+04	.372E+04	.443E+04	.598E+04	.100E+05	.178E+05
114	.211E+04	.129E+04	.348E+04	.479E+04	.602E+04	.757E+04	.936E+04	.144E+05	.266E+05	.406E+05
115	.264E+03	.287E+03	.340E+03	.299E+03	.363E+03	.409E+03	.512E+03	.795E+03	.142E+04	.207E+04
116	.247E+04	.301E+04	.380E+04	.401E+04	.408E+04	.501E+04	.612E+04	.734E+04	.114E+05	.271E+05
117	.560E+04	.722E+04	.786E+04	.621E+04	.598E+04	.622E+04	.763E+04	.914E+04	.149E+05	.257E+05
118	.319E+04	.288E+04	.406E+04	.454E+04	.430E+04	.491E+04	.536E+04	.674E+04	.887E+04	.140E+05
119	.488E+03	.102E+04	.927E+03	.110E+04	.101E+04	.113E+04	.119E+04	.172E+04	.238E+04	.320E+04
120	.453E+03	.207E+03	.448E+03	.558E+03	.570E+03	.733E+03	.862E+03	.125E+04	.207E+04	.398E+04
201	.562E+03	.103E+04	.970E+03	.732E+03	.102E+04	.159E+04	.794E+03	.935E+03	.149E+04	.190E+04
202	.135E+03	.193E+03	.158E+03	.131E+03	.104E+03	.955E+02	.908E+02	.110E+03	.170E+03	.319E+03
203	.778E+03	.862E+03	.110E+04	.476E+03	.459E+03	.503E+03	.483E+03	.660E+03	.110E+04	.225E+04
204	.185E+04	.118E+04	.109E+04	.906E+03	.802E+03	.769E+03	.641E+03	.817E+03	.120E+04	.306E+04
205	.114E+04	.172E+04	.129E+04	.106E+04	.130E+04	.825E+03	.703E+03	.776E+03	.164E+04	.262E+04
206	.263E+04	.934E+03	.121E+04	.102E+04	.878E+03	.779E+03	.729E+03	.101E+04	.172E+04	.362E+04
207	.303E+02	.590E+02	.522E+02	.341E+02	.381E+02	.293E+02	.314E+02	.406E+02	.666E+02	.919E+02
208	.121E+03	.215E+03	.303E+03	.147E+03	.105E+03	.101E+03	.844E+02	.116E+03	.172E+03	.573E+03
209	.144E+04	.383E+04	.383E+04	.180E+04	.149E+04	.184E+04	.191E+04	.234E+04	.371E+04	.778E+04
210	.238E+03	.640E+03	.611E+03	.442E+03	.368E+03	.328E+03	.271E+03	.360E+03	.589E+03	.101E+04
301	.230E+03	.574E+03	.867E+03	.101E+04	.153E+04	.243E+04	.332E+04	.511E+04	.830E+04	.139E+05
302	.157E+04	.167E+04	.206E+04	.207E+04	.331E+04	.484E+04	.681E+04	.879E+04	.121E+05	.221E+05
303	.863E+03	.593E+03	.100E+04	.119E+04	.189E+04	.241E+04	.296E+04	.302E+04	.294E+04	.285E+04
304	.220E+03	.316E+03	.550E+03	.688E+03	.961E+03	.143E+04	.182E+04	.219E+04	.277E+04	.373E+04
401	.160E+05	.159E+05	.222E+05	.200E+05	.218E+05	.209E+05	.248E+05	.334E+05	.167E+05	.120E+06
402	.497E+04	.470E+04	.566E+04	.552E+04	.554E+04	.537E+04	.598E+04	.852E+04	.185E+05	.324E+05
403	.535E+04	.217E+04	.404E+04	.333E+04	.256E+04	.280E+04	.312E+04	.513E+04	.864E+04	.134E+05
404	.749E+03	.108E+04	.150E+04	.258E+04	.299E+04	.399E+04	.488E+04	.758E+04	.162E+05	.214E+05
405	.208E+05	.173E+05	.248E+05	.284E+05	.344E+05	.393E+05	.398E+05	.521E+05	.845E+05	.162E+06
408	.242E+04	.381E+04	.424E+04	.437E+04	.389E+04	.359E+04	.379E+04	.456E+04	.671E+04	.934E+04
409	.503E+03	.499E+03	.599E+03	.684E+03	.560E+03	.506E+03	.513E+03	.616E+03	.107E+04	.175E+04
410	.432E+03	.551E+03	.529E+03	.475E+03	.334E+03	.319E+03	.321E+03	.372E+03	.570E+03	.522E+03
411	.116E+04	.138E+04	.129E+04	.100E+04	.817E+03	.695E+03	.647E+03	.758E+03	.126E+04	.144E+04
412	.470E+03	.421E+03	.584E+03	.486E+03	.443E+03	.385E+03	.356E+03	.395E+03	.537E+03	.661E+03
413	.776E+03	.723E+03	.921E+03	.766E+03	.726E+03	.703E+03	.674E+03	.815E+03	.942E+03	.886E+03
414	.459E+03	.693E+03	.768E+03	.903E+03	.776E+03	.849E+03	.856E+03	.103E+04	.137E+04	.170E+04

Table A－8 Summary Record of Drilling Results (1)～(3)

MJE－1

		Periods	Number of Days	Actual Working Days	Pay off	Total Number of Workers
Drilling Period	Preparation	Sep. 16, 1988 ～Sep. 26, 1988	11	11	–	315
	Drilling	Sep. 27, 1988 ～Oct. 10, 1988	14	14	–	262
	Removing	Oct. 11, 1988 ～Oct. 15, 1988	5	5	–	108
	Total	Sep. 16, 1988 ～Oct. 15, 1988	30	30	–	685

Drilling Length	Planned Length	300 m	Overburden	30.00 m	Core Recovery for Each 100m Section			
	Increase or Decrease in Length	+5.40m	Core Length	274.70 m	Depth (m)	Section (m)	Core Length(m)	Core Recovery(%)
	Drilled Length	305.40m	Core Recovery	99.7 %	30.00 ～102.70	72.70	72.00	99.0
Working Time	Drilling	131°	58.2 %	27.5 %	102.70～206.60	103.90	103.90	100
	Accompanying Works	94°	41.8 %	19.7 %	206.60～ 05.40	98.80	98.80	100
	Reparing	0°	–	–				
	Sub Total	225°	100 %	47.2 %	Drilling Efficiency			
	Preparation	41°		8.6%	$\frac{305.40}{14}$ ($\frac{\text{Total Length}}{\text{Drilling Days}}$)			21.81 m/Day
	Moving	32°		6.7 %	$\frac{305.40}{30}$ ($\frac{\text{Total Length}}{\text{Total Working Days}}$)			10.18 m/Day
	Others	178°		37.5 %	$\frac{262}{305.40}$ ($\frac{\text{Net Drilling Workers}}{\text{Total Length}}$)			0.86 men/m
	Grand Total	476°		100 %	$\frac{685}{305.40}$ ($\frac{\text{Total Workers}}{\text{Total Length}}$)			2.24 men/m

	Pipe Size & Inserted Length	$\frac{\text{Inserted Length}}{\text{Drilled Length}} \times 100$	Recovery of Casing Pipe	Remarks
Inserted Casing Pipe	NQ-NUCP 30.00 m	9.8 %	100 %	
	BWCP 237.40 m	77.7 %	100 %	

MJE–2

		Periods	Number of Days	Actual Working Days	Pay off	Total Number of Workers
Drilling Period	Preparation	Oct. 16, 1988 ~ Oct. 18, 1988	3	3	–	63
	Drilling	Oct. 19, 1988 ~ Oct. 26, 1988	8	8	–	114
	Removing	Oct. 27, 1988 ~ Oct. 29, 1988	3	3	–	54
	Total	Oct. 16, 1988 ~ Oct. 29, 1988	14	14	–	231

Drilling Length					Core Recovery for Each 100m Section			
	Planned Length	300 m	Overburden	16.00 m				
	Increase or Decrease in Length	+5.40 m	Core Length	289.40 m	Depth (m)	Section (m)	Core Length(m)	Core Recovery(%)
	Drilled Length	305.40 m	Core Recovery	100 %	16.00~104.00	88.00	88.00	100
Working Time	Drilling	120°	68.2 %	42.8 %	104.00~216.80	112.80	112.80	100
	Accompanying	56°	31.8 %	20.0 %	216.80~305.40	88.60	88.60	100
	Repairing	0°	–	–				
	Sub Total	176°	100 %	62.8 %	Drilling Efficiency			
	Preparation	24°		8.6 %	$\frac{305.40}{8}$ ($\frac{\text{Total Length}}{\text{Drilling Days}}$)			38.18 m/Day
	Moving	24°		8.6 %	$\frac{305.40}{14}$ ($\frac{\text{Total Length}}{\text{Total Working Days}}$)			21.81 m/Day
	Others	56°		20.0%	$\frac{114}{305.40}$ ($\frac{\text{Net Drilling Workers}}{\text{Total Lentth}}$)			0.37 men/m
	Grand Total	280°		100 %	$\frac{231}{305.40}$ ($\frac{\text{Total Workers}}{\text{Total Length}}$)			0.76 men/m

Inserted Casing Pipe	Pipe Size & Inserted Length	$\frac{\text{Inserted Length}}{\text{Drilled Length}} \times 100$	Recovery of Casing Pipe	Remarks
	NQ-NUCP 16.00 m	5.2 %	100 %	
	BWCP 201.60 m	66.0 %	100 %	

MJE–3

		Periods	Number of Days	Actual Working Days	Pay off	Total Number of Workers
Drilling Period	Preparation	Oct. 30, 1988 ~ Nov. 2, 1988	4	4	–	81
	Drilling	Nov. 3, 1988 ~ Nov. 15, 1988	13	13	–	192
	Removing	Nov. 16, 1988 ~ Nov. 22, 1988	7	7	–	137
	Total	Oct. 30, 1988 ~ Nov. 22, 1988	24	24	–	410

Drilling Length	Planned Length	300 m	Overburden	29.50 m	Core Recovery for Each 100m Section			
	Increase or Decrease in Length	+3.30 m	Core Length	273.70 m	Depth (m)	Section (m)	Core Length(m)	Core Recovery(%)
	Drilled Length	303.30 m	Core Recovery	100 %	29.50~104.80	75.30	75.20	99.9
Working Time	Drilling	148°	63.8 %	41.1 %	104.80~215.60	110.80	110.80	100
	Accompanying	84°	36.2 %	23.3 %	215.60~303.30	87.70	87.70	100
	Repairing	–	–	–				
	Sub Total	232°	100 %	64.4 %	Drilling Efficiency			
	Preparation	32°		8.9 %	$\frac{303.30}{13}$ ($\frac{\text{Total Length}}{\text{Drilling Days}}$)			23.33 m/Day
	Moving	56°		15.6 %	$\frac{303.30}{24}$ ($\frac{\text{Total Length}}{\text{Total Working Days}}$)			12.64 m/Day
	Others	40°		11.1 %	$\frac{192}{303.30}$ ($\frac{\text{Net Drilling Workers}}{\text{Total Length}}$)			0.63 men/Day
	Grand Total	360°		100 %	$\frac{410}{303.30}$ ($\frac{\text{Total Workers}}{\text{Total Length}}$)			1.35 men/m

	Pipe Size & Inserted Length	$\frac{\text{Inserted Length}}{\text{Drilled Length}} \times 100$	Recovery of Casing Pipe	Remarks
Inserted Casing Pipe	NQ-NUCP 29.50 m	9.7 %	100 %	
	BWCP 201.60 m	66.0 %	100 %	

Table A－9 Drilling Equipments and Consumed Materials

A. Drilling Equipments

Article	Model	Specification	Quantity
Drilling Machine	D 900	Maker : Craelius Capacity : BQWL 700 m Dimensions : Height 1,550 mm Length 2,600 mm Width 900 mm Weight (without Power unit) : 850 kg	1 set
Diesel Engine	F3L 912	Maker : Mitsui Deutz Horse Power : 41 HP/1800 rpm	1 set
Drilling Pump & Water Supply Pump	520 RQ	Maker : Longyear Piston Diameter 57 mm Stroke 57 mm Max. Capacity 76 ℓ/min Max. Pressure 49 kg/cm² Weight (without Power unit) : 395 kg	2 sets
Diesel Engine	FIL 210	Maker : Mitsuii Duetz Horse Power : 8.5 HP/1800rpm	2 sets
Mixer	Jet Type	Run by Drilling pump	1 set
Drill Rod		NQWL (3.00 m/joint)	85 joints
		BQWL (3.00 m/joint)	120 joints
Casing Pipe		NQ–NU (2.50 m/joint)	18 joints
		BW (2.80 m/joint)	100 joints
Wireline Hoist		Attached to Drilling Machine	1 set

B. Consumed Materials

Article	Specification	Unit	Quantity			
			MJE–1	MJE–2	MJE–3	Total
Light oil	Engine	ℓ	710	730	690	2,130
Cement	40 Kg/Sx	Sx	6	6	6	18
Bentonite	25 Kg/Sx	Sx	81	91	83	255
Libonite	20 Kg/Sx	Sx	16	16	19	51
C. M. C	10 Kg/Sx	Kg	48	49	51	148
TK60B	20 Kg/Sx	Sx	3	2	3	8

C. Consumed Bit

Hole No. / Bit Type		MJE–1		MJE–2		MJE–3		Total	
		Drilled Length	Quantity	Drilled Length	Quantity	Drilled Length	Quantity	Drilled Length	Quantity
101 mm Single	Metal Bit	30.00 m	5 pcs	16.00 m	2 pcs	29.50 m	5 pcs	75.50 m	12 pcs
	Reamer	–	–	–	–	–	–	–	–
NQWL	Dia. Bit	207.40	6	185.60	4	172.10	6	565.10	16
	Dia. Reamer	207.40	3	185.60	3	172.10	3	565.10	9
BWQL	Dia. Bit	68.00	2	103.80	3	101.70	4	273.50	9
	Dia. Reamer	68.00	1	103.80	2	101.70	4	273.50	7

Dia: Diamond