Apéndice 6 Resultados de observaciones al microscopio en secciones pulidas de muestras de rocas

Apéndice 6 Resultados de observaciones al microscopio en secciones pulidas de muestras de rocas

Ser. No.	Muestra No.	Ubicación	Coordenadas		Descripción de muestra a simple vista	Minerales observados con microscopio												
						Py	Ht	Ge	Cp	Bo	Cv	Cc	En	Dg	Te	Mo	Mt	
1	Y96042	Q. Controversia	N35.120	E761.090	Diseminación de py+Mo+cp+bo+cc	•			△		•							
2	Y96080	Q. Controversia	N35.153	E761.149	Diseminación de py+cp+bo+cc, películas de Mo	•			○		△							
3	Y96100	Q. Controversia	N35.183	E761.120	Diseminación de py+Mo+cp, películas de py+bo+cc+Mo+cp	•			△	•		•					•	
4	Y96123	Q. Controversia	N35.212	E761.108	Diseminación de py+Mo	△			△			△						
5	Y96154	Q. Fortuna	N34.685	E761.760	Diseminación de py	◎	•											
6	Y96155	Q. Fortuna	N34.730	E761.800	Diseminación de py	◎	•		△									
7	Y96174	Ramal de Q. Fortuna	N34.795	E761.705	Diseminación de py+bo+Mo	○			△			•						
8	Y96195	Ramal de Q. Fortuna	N35.095	E761.805	Diseminación de py+bo y películas	△			•	•	•				•			
9	Y96209	Ramal de Q. Fortuna	N35.052	E761.790	Diseminación de py+bo+Mo, películas de bo+py	○												
10	Y96213	Vicindad de MJJ 30	N35.042	E761.631	Diseminación de py+bo+Mo+cp, películas de limo	△			△		△	•		•				
11	Y96225	Q. Fortuna	N34.910	E761.900	Veta de cuarzo-py a lo largo de dique	◎			•	•	•							
12	Y96229	Q. Fortuna	N34.915	E761.906	Diseminación de py+bo+Mo+cp+cc	△			•		•							
13	Y96238	Q. Fortuna	N34.934	E761.939	Diseminación de py+bo	○	•		△	•	•						•	
14	Y96330	Q. Controversia	N35.069	E761.069	Películas de py+Mo+bo+cp, diseminación de py+Mo	△			•		•							
15	Y96350	Q. Controversia	N35.103	E761.104	Películas de py+Mo+bo+cp, diseminación depy+Mo				△		•							
16	Y96360	Q. Controversia	N35.139	E761.073	Películas de bo+cp+cc, diseminación de cp+bo	○			•		•				•			
17	Y96391	Arriba de Q. Controvers	N35.391	E761.441	Falla, mala impreg., brec. q.v., bo+cp+Mo+py diseminación					△		△				•		
18	Y96432	Arriba de Q. Rica	N35.330	E761.725	Vetillas de cuarzo en redes, diseminación de py+Mo+bo				•	•				•	•	•		
19	Y96462	Arriba de Q. Rica	N35.371	E761.722	Diseminación de py+Mo+bo					△	•	•		•				
20	Y96473	Arriba de Q. Rica	N35.384	E761.743	Diseminación de Mo+bo						•				△			
21	Y96489	Arriba de Q. Rica	N35.460	E761.780	Diseminación de py+Mo+bo	○	•		•		•						•	
22	Y96532	Q. Fortuna	N35.117	E762.023	Diseminación de py+bo+Mo y películas	△	•		•	•	•			•				

◎; abundante ○; común △: poco •; raro

py: pirita Ht: hematita Ge: goetita Mt: magnetita Cp: calcopirita Bo: bornita Cv: covelina Cc: calcocita En: enargita Dg: digenita Te: tenantita Mo: molibdenita

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Apéndice 7 Resultados de ensayos de rayos X de muestras de rocas

Apéndice 7 Resultados de ensayos de rayos X de muestras de rocas(1)

Ser. No.	Muestra No.	Ubicación	Coordenadas	Minerales detectados														Tipo de alteración
				Qz	Bi	Pl	Kf	Se	Ka	Ch	Ep	Ca	Ml	Py	Cp	Cc	Se/Ml	
1	Y96004	Rio Junín	N34.750 E760.800	◎		◎	○	○		○	△							Propilítica
2	Y96005	Rio Junín	N34.925 E760.865	◎		◎	○	○		○	△							Propilítica
3	Y96006	Rio Junín	N35.030 E760.810	◎		◎	○	△		◎	△							Propilítica
4	Y96007	Rio Junín	N35.245 E760.785	◎		◎	○	○		○								Filítica
5	Y96008	Pendiente R. Junín	N34.700 E760.880	◎		◎	△	○		○	·							Propilítica
6	Y96009	Pendiente R. Junín	N34.700 E760.900	◎		◎	○	△		○								Propilítica
7	Y96010	Pendiente R. Junín	N34.740 E760.870	◎		○	○	○		○								Filítica
8	Y96011	Pendiente R. Junín	N34.720 E761.025	◎		◎	○	△		○								Propilítica
9	Y96012	Pendiente R. Junín	N34.710 E761.220	◎		◎	△	○		○	·		△					Propilítica
10	Y96013	Pendiente R. Junín	N34.690 E761.245	◎		○	○	○		○			·		△			Filítica
11	Y96014	Pendiente R. Junín	N34.750 E761.280	◎		◎	△	△		○			△					Propilítica
12	Y96015	Cresta Junín Fortuna	N34.960 E761.460	◎				◎					△					Filítica
13	Y96016	Cresta Junín Fortuna	N35.060 E761.490	◎		◎	○	○		○			·					Filítica
14	Y96017	Cresta Junín Fortuna	N35.100 E761.485	◎				◎					○					Filítica
15	Y96018	Cresta Junín Fortuna	N35.195 E761.440	◎		◎	○	○		○			·					Filítica
16	Y96019	Cresta Junín Fortuna	N35.210 E761.360	◎		○	·	△					○					Argílico
17	Y96020	Cresta Junín Fortuna	N35.275 E761.325	◎		○	○	○	○	○			△					Argílico
18	Y96021	Cresta Junín Fortuna	N34.820 E760.925	◎		○		△		○			○					Argílico
19	Y96022	Cresta Junín Fortuna	N34.870 E760.935	◎		◎	○	△		◎	△							Propilítica
20	Y96023	Q. Controversia	N35.100 E761.000	◎		△		△	△	○	·		·					Propilítica
21	Y96038	Q. Controversia	N35.115 E761.055	◎		◎	○	○					○					Filítica
22	Y96075	Q. Controversia	N35.147 E761.149	◎		○		○					○					Filítica
23	Y96076	Q. Controversia	N35.148 E761.151	◎		◎	·	◎					○					Filítica
24	Y96138	Pendiente R. Junín	N34.720 E761.435	◎		◎	○	○		○			·					Filítica
25	Y96139	Pendiente R. Junín	N34.755 E761.550	◎				◎					○					Filítica
26	Y96141	Pendiente R. Junín	N34.685 E761.665	◎				◎					○					Filítica
27	Y96142	Pendiente R. Junín	N34.645 E761.690	◎		○	△	○		○			△					Filítica
28	Y96143	Q. Fortuna	N34.570 E761.670	◎		○	△			△	·		△					Propilítica
29	Y96154	Q. Fortuna	N34.685 E761.760	◎				◎					○	△				Filítica
30	Y96155	Q. Fortuna	N34.730 E761.800	◎				△					△	○	○			Filítica
31	Y96156	Ramal Q. Fortuna	N34.740 E761.685	◎		○	○	○		○			△					Filítica
32	Y96163	Pendiente Q. Fortuna	N34.820 E761.620	◎				◎					○					Filítica
33	Y96174	Ramal Q. Fortuna	N34.795 E761.705	◎				◎					○	△	○			Filítica
34	Y96191	Pendiente Q. Fortuna	N34.935 E761.550	◎		◎	○	○		○	△		·					Propilítica
35	Y96192	Pendiente Q. Fortuna	N34.965 E761.450	◎		○	○	○		○	△		·					Propilítica
36	Y96193	Pendiente Q. Fortuna	N35..085 E761.690	◎		○	○	△		○			△					Propilítica
37	Y96194	Pendiente Q. Fortuna	N35.090 E761.750	◎		○	△	○		○			△					Filítica
38	Y96213	Alrededor MJJ 30	N35.042 E761.631	◎		○	○	◎					△	△				Filítica
39	Y96219	Pendiente Q. Fortuna	N35.095 E761.930	◎		○	△	◎					·					Filítica
40	Y96223	Q. Fortuna	N34.906 E761.898	◎				◎		△	·		△	△				Filítica

◎; abundante ○; común △; poco ·; raro

Apéndice 7 Resultados de ensayos de rayos X de muestras de rocas(2)

Ser. No.	Muestra No.	Ubicación	Coordenadas	Minerales detectados														Tipo de alteración
				Qz	Bi	Pl	Kf	Se	Ka	Ch	Ep	Ca	Ml	Py	Cp	Cc	Se/Ml	
41	Y96238	Q. Fortuna	N34.934 E761.939	◎				◎					△	△				Filítica
42	Y96285	Q. Fortuna	N35.034 E761.954	◎		◎	○	○		△			△	•				Filítica
43	Y96301	Q. Controversia	N34.980 E761.030	◎		◎		◎		•			△					Filítica
44	Y96302	Q. Controversia	N34.995 E761.025	◎		◎		△		○				△				Propilítica
45	Y96303	Q. Controversia	N35.030 E761.025	◎		◎		•		○								Propilítica
46	Y96313	Q. Controversia	N35.060 E761.040	◎				◎					•	•				Filítica
47	Y96369	Q. Controv. arriba	N35.335 E761.360	◎		◎	○	◎		○				△				Filítica
48	Y96370	Q. Controv. arriba	N35.335 E761.435	◎			◎	◎					•	•				Filítica
49	Y96373	Q. Controv. arriba	N35.425 E761.439	◎		○	◎	○					•	•				Filítica
50	Y96420	Q. Controversia abajo	N34.860 E76.1030	◎		◎	○	○		○	△			•				Propilítica
51	Y96422	Alrededor MJJ 18	N34.875 E761.160	◎		◎		○		○					•		•	Propilítica
52	Y96425	Q. Rica arriba	N35.105 E761.525	◎		◎	○	○		○				△				Filítica
53	Y96426	Q. Rica arriba	N35.100 E761.580	◎		◎		◎					△	•				Filítica
54	Y96427	Q. Rica arriba	N35.125 E761.630	◎		◎	○	○		○	•			•				Propilítica
55	Y96428	Q. Rica arriba	N35.155 E761.660	◎		◎	○	○		○				•				Propilítica
56	Y96429	Q. Rica arriba	N35.520 E761.680	◎		◎	◎	△		○				•			△	Filítica
57	Y96430	Q. Rica arriba	N35.290 E761.720	◎		◎	○	△		○				•				Propilítica
58	Y96431	Q. Rica arriba	N35.380 E761.740	◎			○	◎			•		△					Filítica
59	Y96435	Q. Rica arriba	N35.335 E761.722	◎		◎	○	○		○								Propilítica
60	Y96451	Q. Rica abajo	N35.135 E761.345	◎		◎	○	○		△	•		△	•				Filítica
61	Y96452	Q. Rica abajo	N35.160 E761.375	◎		◎	◎	○		○				•			△	Filítica
62	Y96489	Q. Rica arriba	N35.460 E761.780	◎			○	◎		△			△	△				Filítica
63	Y96492	Q. Rica arriba	N35.480 E761.785	◎			○	◎					△					Filítica
64	Y96493	Q. Rica arriba	N35.520 E761.775	◎			○	◎			•		△					Filítica
65	Y96494	Pendiente Q. Rica	N35.230 E761.620	◎			○	◎			•		△	△			△	Filítica
66	Y96504	Q. Fortuna	N35.056 E762.007	◎				◎		•			△	△				Filítica
67	Y96520	Q. Fortuna	N35.085 E762.035	◎				◎			•		•	•				Filítica
68	Y96532	Q. Fortuna	N35.117 E762.023	◎			○	◎		△			△	○				Filítica
69	Y96577	Q. Fortuna	N35.200 E762.085	◎		◎		◎		•			△	•				Filítica
70	Y96578	Pendiente Q. Controv.	N35.010 E761.790	◎		◎	○	○		○				•			△	Filítica
71	Y96579	Q. Controv. arriba	N35.350 E761.350	◎		○	◎	◎		○			△					Filítica
72	Y96609	Cresta Junín Controv.	N35.330 E761.025	◎		△		◎			•		△	△				Filítica
73	Y96611	Cresta Junín Controv.	N35.485 E761.125	◎			○	◎					•	•				Filítica
74	Y96612	Q. Controv. arriba	N35.550 E761.250	◎		○	◎	○		•			•					Filítica

◎; abundante ○; común △; poco •; raro

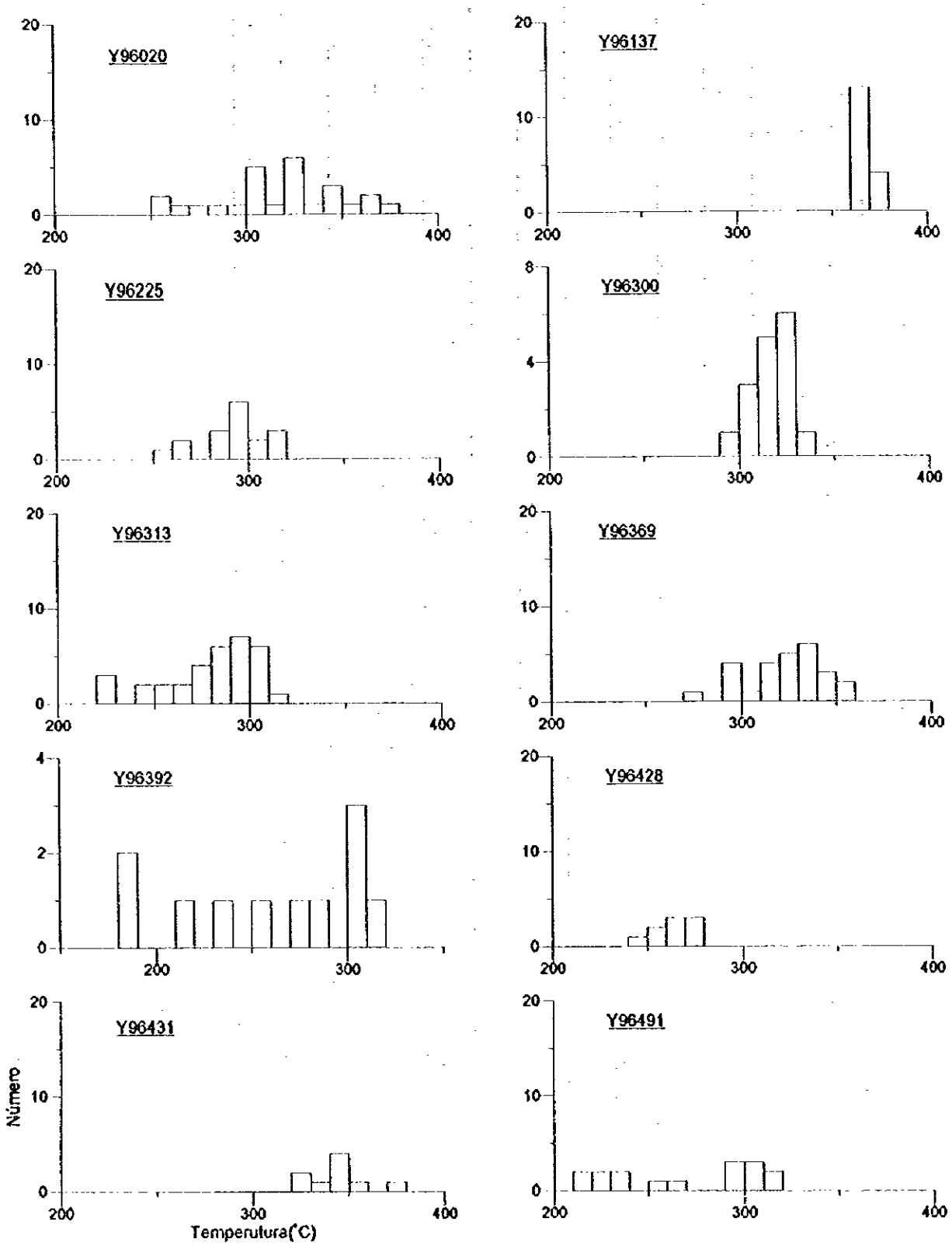
Apéndice 8 Resultados de mediciones de temperatura de inclusiones de fluidos

Apéndice 8 Resultados de mediciones de temperatura de inclusiones de fluidos(1)

Ser. No.	Muestra No.	Ubicación	Coordenadas		Material para medida	No. de medidas	Temperatura y promedio(°C)
1	Y96020	R. Junín/Fortuna cresta	N35.275	E761.325	Veta de cuarzo en falla	21	257.3-372.8 / 317.2
2	Y96137	Q. Controversia	N35.170	E761.140	Veta de cuarzo con py+bo+Mo dis., en falla	17	366.9-371.6 / 368.4
3	Y96225	Q. Fortuna	N34.910	E761.900	Veta de cuarzo-py	17	252.4-317.9 / 291.8
4	Y96300	Q. Fortuna	N35.045	E761.978	Veta de cuarzo blanco	16	292.6 - 335.8 / 315.6
5	Y96313	Q. Controversia	N35.060	E761.040	Veta de cuarzo blanco	34	221.5 - 317.9 / 280.5
6	Y96369	Q. Controversia Tributario	N35.335	E761.360	Veta de cuarzo blanco	21	278.0 - 355.0 / 322.8
7	Y96392	Q. Controversia Tributario	N35.388	E761.441	Veta de cuarzo+bo+cp+Mo+py en falla	11	180.3 - 314.3 / 259.5
8	Y96428	Q. Rica arriba	N35.155	E761.660	Veta de cuarzo blanco	9	248.7 - 276.8 / 264.4
9	Y96431	Q. Rica arriba	N35.380	E761.740	Veta de cuarzo blanco	9	352.1 - 371.6 / 344.1
10	Y96491	Q. Rica arriba	N35.300	E761.800	Veta de cuarzo blanco	17	212.8 - 305.1 / 274.7
11	Y96556	Q. Fortuna	N35.155	E762.075	Veta de cuarzo-py	6	285.3 - 299.6 / 292.2
12	Y96612	Q. Controv. arriba	N35.550	E761.250	Veta de cuarzo blanco	28	256.1 - 363.3 / 308.9

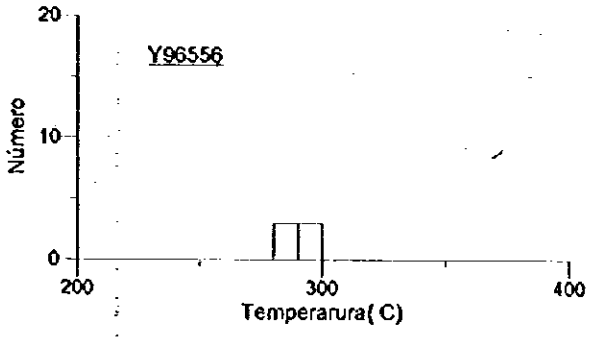
Apéndice 8 Resultados de mediciones de temperatura de inclusiones de fluidos(2)

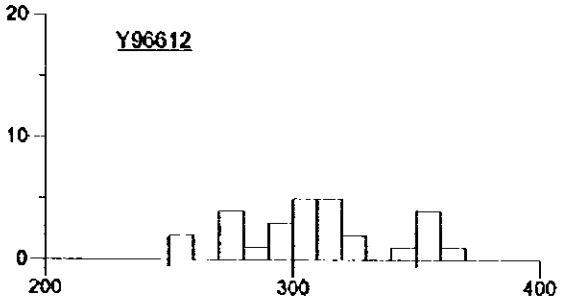
Histograma de la Temperatura



Apéndice 8 Resultados de mediciones de temperatura de inclusiones de fluidos(3)

Histograma de la Temperatura





Apéndice 8 Resultados de mediciones de temperatura de inclusiones de fluidos(4)

Muestra No.	Y96020	Y96137	Y96225	Y96300	Y96313	Y96369	Y96392	Y96428	Y96431	Y96491	Y96556	Y96612
Homogenization Temperatura(℃)	257.3	366.9	252.4	292.6	221.5	278	180.3	248.7	325.1	212.8	285.3	256.1
	259.8	366.9	262.2	302.2	226.5	290.2	180.3	253.6	329.9	214.1	286.5	257.3
	262.2	366.9	268.3	305.8	227.8	296.2	216.6	256.1	338.2	225.3	288.9	272
	278	366.9	281.7	309.5	246.3	297.4	230.2	262.2	340.9	226.5	296.2	275.6
	285.3	366.9	282.9	310.7	246.3	299.8	254.9	265.9	340.9	233.9	296.2	278
	295	366.9	288.9	310.7	258.5	309.5	276.8	267.1	345.4	235.2	299.8	278
	301	368.1	290.2	310.7	258.5	311.9	286.5	274.4	347.8	258.5		281.7
	302.2	368.1	292.6	311.9	265.9	311.9	301	274.4	357.3	261		290.2
	303.4	368.1	297.4	314.3	269.5	314.3	305.8	276.8	371.6	293.8		295
	308.3	368.1	297.4	320.3	270.7	317.9	308.3			304.6		295
	309.5	368.1	297.4	321.5	272	321.5	314.3			307.1		301
	311.9	368.1	299.8	322.7	273.2	325.1				309.5		301
	323.9	369.2	302.2	326.3	275.6	325.1				310.7		303.4
	323.9	370.4	304.6	327.5	284.1	328.7				311.9		305.8
	325.1	370.4	310.7	327.5	285.3	329.9				317.9		309.5
	325.1	371.6	313.1	335.8	285.3	331.1				322.7		310.7
	325.1	371.6	317.9		285.3	332.3				325.1		315.5
	328.7				286.5	332.3						316.7
	337				288.9	334.7						316.7
	345.4				290.2	335.8						317.9
	347.8				290.2	335.8						323.9
	349				292.6	343						325.1
	353.8				295	343						344.2
	362.1				295	343						352.6
	366.9				295	350.2						352.6
	372.8				296.2	355						353.8
					301							358.5
					305.8							363.3
					305.8							
					305.8							
					307.1							
					307.1							
					308.3							
					317.9							
Promedio	317.2	368.4	291.8	315.6	280.5	322.8	259.5	264.4	344.1	274.7	292.2	308.9

Apéndice 9 Resultados de análisis químicos de muestras mineralizadas

Resultado de análisis químico de muestras mineralizadas

No.	No. muestra	ppm Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Mo	% Fe	% Ca	% K	% Na	ppm Sr	ppm Rb	% S
1	Y96024	<0.1	<0.1	1109	12	52	13	2.06						
2	Y96025	<0.1	<0.1	1061	21	77	20	2.25						
3	Y96026	<0.1	<0.1	1254	12	40	32	1.41						
4	Y96027	<0.1	<0.1	1234	18	60	62	2.27						
5	Y96028	<0.1	<0.1	1557	16	40	515	4.13	0.07	1.88	0.27	75	110	0.013
6	Y96029	<0.1	<0.1	1179	13	52	39	1.50						
7	Y96030	<0.1	<0.1	1148	18	52	19	1.24						
8	Y96031	<0.1	<0.1	1156	13	36	17	1.36						
9	Y96032	<0.1	<0.1	1334	12	39	23	1.99						
10	Y96033	<0.1	<0.1	1346	12	29	20	1.74	0.15	1.81	0.33	118	98	0.007
11	Y96034	<0.1	<0.1	1204	14	24	25	1.35						
12	Y96035	<0.1	<0.1	827	14	25	198	1.89						
13	Y96036	<0.1	<0.1	703	16	17	25	1.19						
14	Y96037	<0.1	0.2	874	18	22	116	1.79						
15	Y96039	<0.1	1.3	583	21	22	154	1.59	0.11	1.99	1.27	122	114	0.018
16	Y96040	<0.1	0.8	623	10	19	85	1.91						
17	Y96041	<0.1	<0.1	868	12	20	138	1.99						
18	Y96042	<0.1	1.5	915	10	15	36	2.67						
19	Y96043	<0.1	1.1	2270	11	10	208	1.66						
20	Y96044	<0.1	1.3	2181	10	13	112	1.73	0.06	1.79	0.17	15	135	0.194

No.	No. muestra	ppm Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Mo	% Fe	% Ca	% K	% Na	ppm Sr	ppm Rb	% S
21	Y96045	<0.1	<0.1	1501	9	16	243	1.99						
22	Y96046	<0.1	1.3	1088	15	14	123	1.95						
23	Y96047	<0.1	0.9	592	10	13	264	1.89						
24	Y96048	<0.1	1.3	914	14	13	267	1.97						
25	Y96049	<0.1	1.6	566	12	15	212	2.08	0.10	1.52	1.02	116	120	0.024
26	Y96050	<0.1	0.4	692	16	19	274	1.97						
27	Y96051	<0.1	1.6	680	16	21	71	1.62						
28	Y96052	<0.1	0.3	1443	14	19	30	2.20						
29	Y96053	<0.1	1.3	649	9	17	49	2.25						
30	Y96054	<0.1	0.8	630	12	22	22	1.81	0.20	1.55	1.58	191	109	0.030
31	Y96055	<0.1	<0.1	475	15	26	90	2.02						
32	Y96056	<0.1	<0.1	362	12	40	34	1.81						
33	Y96057	<0.1	<0.1	565	13	41	185	1.89						
34	Y96058	<0.1	<0.1	636	15	34	27	2.43						
35	Y96059	<0.1	0.8	542	12	20	178	3.96	0.16	1.28	0.38	69	132	0.032
36	Y96060	<0.1	0.2	903	20	30	526	3.77						
37	Y96061	<0.1	1.6	632	11	21	353	3.09						
38	Y96062	<0.1	1.6	1349	14	50	453	3.00						
39	Y96063	<0.1	1.2	783	16	31	364	2.58						
40	Y96064	<0.1	0.3	675	15	35	103	1.94	0.46	1.10	1.45	253	97	0.014
41	Y96065	<0.1	0.8	1583	10	43	99	2.13						
42	Y96066	<0.1	<0.1	1071	14	49	143	2.43						
43	Y96067	<0.1	0.4	542	8	39	85	1.91						
44	Y96068	<0.1	0.2	598	10	29	157	2.16						
45	Y96069	<0.1	0.2	855	12	30	67	2.11	0.40	0.70	1.33	217	57	0.116
46	Y96070	<0.1	<0.1	553	10	24	43	1.81						
47	Y96071	<0.1	<0.1	553	10	23	36	1.74						
48	Y96072	<0.1	<0.1	258	13	15	79	1.67						
49	Y96073	<0.1	1.6	2162	9	12	581	2.47						
50	Y96074	<0.1	0.5	527	11	12	60	1.64	0.17	0.80	1.37	158	84	0.095

No.	muestra	ppm Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Mo	% Fe	% Ca	% K	% Na	ppm Sr	ppm Rb	% S
51	Y96075	<0.1	1.6	1796	14	15	56	1.68						
52	Y96076	<0.1	1.9	3353	9	13	121	1.67						
53	Y96077	<0.1	2.1	8953	10	12	404	1.34						
54	Y96078	<0.1	1.5	4328	9	9	45	1.28	0.12	1.18	0.91	81	107	0.271
55	Y96079	<0.1	2.5	7752	9	6	131	1.41						
56	Y96080	<0.1	4.2	3205	11	16	134	1.85						
57	Y96081	<0.1	2.4	3161	16	16	113	1.59						
58	Y96082	<0.1	1.3	2834	14	23	55	1.71						
59	Y96083	<0.1	1.8	4867	12	9	104	1.58	0.07	1.28	0.33	40	102	0.310
60	Y96084	<0.1	3.7	1433	24	19	76	1.73						
61	Y96085	<0.1	3.2	631	12	18	457	1.95						
62	Y96086	<0.1	0.3	1046	19	42	44	3.26						
63	Y96087	<0.1	<0.1	745	11	32	33	2.72						
64	Y96088	<0.1	0.4	703	14	31	56	3.01	0.28	0.82	1.03	119	69	0.028
65	Y96089	<0.1	0.3	685	10	25	37	2.26						
66	Y96090	<0.1	0.4	354	12	17	35	1.48						
67	Y96091	<0.1	1.1	1555	10	9	39	1.71						
68	Y96092	<0.1	0.7	234	16	15	24	1.27						
69	Y96093	<0.1	0.7	778	19	37	112	3.25	0.32	1.19	1.15	119	128	0.070
70	Y96094	<0.1	<0.1	1046	16	38	20	2.76						
71	Y96095	<0.1	0.2	940	17	35	18	2.35						
72	Y96096	<0.1	1.5	1708	19	38	2	2.81						
73	Y96097	<0.1	0.2	2116	17	34	42	2.93						
74	Y96098	<0.1	0.2	2334	17	38	20	2.92	1.20	0.88	1.23	254	89	0.204
75	Y96099	<0.1	2.0	5885	14	27	147	2.29						
76	Y96100	<0.1	1.0	8311	11	44	438	2.51						
77	Y96101	<0.1	0.9	5726	21	49	89	3.67						
78	Y96102	<0.1	1.9	4165	11	19	51	2.50						
79	Y96103	<0.1	3.6	1514	14	24	116	2.78	0.30	1.19	1.01	98	79	0.049
80	Y96104	<0.1	3.1	2360	14	17	93	2.08						

No.	muestra	ppm Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Mo	% Fe	% Ca	% K	% Na	ppm Sr	ppm Rb	% S
81	Y96105	<0.1	1.6	510	24	16	26	1.88						
82	Y96106	<0.1	2.5	1445	10	10	38	1.45						
83	Y96107	<0.1	3.9	2254	16	14	106	1.34						
84	Y96108	<0.1	0.3	5344	15	38	41	1.40	0.48	1.03	1.07	205	50	0.077
85	Y96109	<0.1	0.3	2162	16	108	26	2.06						
86	Y96110	<0.1	1.0	5984	16	51	93	3.09						
87	Y96111	<0.1	1.3	7132	17	33	17	3.01						
88	Y96112	<0.1	0.3	937	13	37	8	3.05						
89	Y96113	<0.1	0.9	2486	18	42	21	2.62	1.56	1.03	1.32	245	70	0.127
90	Y96114	<0.1	<0.1	1029	7	30	9	2.47						
91	Y96115	<0.1	1.4	1164	16	36	108	2.49						
92	Y96116	<0.1	0.6	1915	10	27	73	2.42						
93	Y96117	<0.1	2.8	1427	21	22	37	1.38						
94	Y96118	<0.1	0.4	616	16	37	21	1.39	0.48	1.15	2.06	263	59	0.014
95	Y96119	<0.1	0.1	463	46	31	14	1.23						
96	Y96120	<0.1	<0.1	708	14	38	8	1.36						
97	Y96121	<0.1	<0.1	355	10	16	17	1.16						
98	Y96122	<0.1	1.0	1926	14	10	51	1.62						
99	Y96123	<0.1	1.3	900	19	36	130	1.72	0.52	1.06	1.67	220	59	0.027
100	Y96124	<0.1	1.3	1247	15	36	113	2.74						
101	Y96125	<0.1	0.6	996	9	26	77	1.93						
102	Y96126	<0.1	2.2	3857	23	34	114	1.87						
103	Y96127	<0.1	0.9	2863	8	23	65	1.75						
104	Y96128	<0.1	0.9	3140	12	30	131	2.01	0.68	0.67	1.83	304	39	0.103
105	Y96129	<0.1	0.5	4242	17	32	94	2.67						
106	Y96130	0.1	1.0	8232	16	35	59	2.25						
107	Y96131	<0.1	0.5	4289	16	34	87	3.06						
108	Y96132	<0.1	0.5	5067	16	36	69	4.07						
109	Y96133	<0.1	2.1	5879	13	33	78	3.66	0.58	0.46	1.23	151	33	0.106
110	Y96134	<0.1	2.3	3693	14	32	138	3.38						

No.	muestra	ppm Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Mo	% Fe	% Ca	% K	% Na	ppm Sr	ppm Rb	% S
111	Y96135	<0.1	1.0	2091	11	37	27	3.21						
112	Y96136	<0.1	1.0	1868	8	16	20	1.38						
113	Y96139	<0.1	7.1	553	19	37	23	4.63	0.19	0.82	0.20	23	67	0.068
114	Y96140	<0.1	7.1	677	30	54	14	4.22						
115	Y96143	<0.1	1.3	529	19	440	4	3.43						
116	Y96144	<0.1	0.4	568	14	107	3	3.24						
117	Y96145	<0.1	1.6	1152	22	141	13	4.83	3.22	0.41	1.28	325	19	0.872
118	Y96146	<0.1	1.0	760	22	198	5	4.99						
119	Y96147	<0.1	2.1	1020	20	171	12	4.49						
120	Y96148	<0.1	1.7	2141	20	200	14	4.19						
121	Y96149	<0.1	2.7	1095	20	128	6	3.43	2.41	0.42	1.40	328	27	0.497
122	Y96150	<0.1	2.3	2404	19	97	13	3.28						
123	Y96151	<0.1	1.8	4151	14	95	7	2.26						
124	Y96152	<0.1	1.7	1940	15	83	16	1.99						
125	Y96153	<0.1	0.2	998	10	97	5	2.23						
126	Y96157	<0.1	<0.1	893	10	141	26	3.69	0.84	0.49	0.90	171	22	0.703
127	Y96158	<0.1	1.6	3867	19	206	22	4.43						
128	Y96159	<0.1	0.1	1166	13	145	15	3.49						
129	Y96160	<0.1	1.2	3284	16	122	27	5.01						
130	Y96161	<0.1	1.4	7503	17	64	11	4.58	0.28	1.05	0.32	55	58	3.069
131	Y96162	<0.1	20.0	13777	17	57	18	19.27						
132	Y96164	<0.1	0.2	673	17	72	3	2.14						
133	Y96165	<0.1	0.5	742	13	41	10	3.49						
134	Y96166	<0.1	0.5	876	24	52	8	4.11	0.16	0.92	0.52	76	59	1.039
135	Y96167	<0.1	<0.1	312	17	77	4	3.13						
136	Y96168	<0.1	0.8	1065	22	41	11	4.09						
137	Y96169	<0.1	2.3	2373	19	39	17	4.34						
138	Y96170	<0.1	1.2	626	13	36	27	3.32						
139	Y96171	<0.1	2.3	1480	14	22	62	6.08	0.04	0.59	0.15	10	28	0.675
140	Y96172	<0.1	1.1	693	12	31	58	7.10						

No.	muestra	ppm Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Mo	% Fe	% Ca	% K	% Na	ppm Sr	ppm Rb	% S
141	Y96173	<0.1	2.0	2022	19	26	52	8.65						
142	Y96174	<0.1	1.6	1023	13	23	76	3.03						
143	Y96175	<0.1	3.7	944	13	40	16	5.46						
144	Y96176	<0.1	2.3	657	13	30	14	6.34	0.06	1.58	0.14	19	126	1.371
145	Y96177	<0.1	2.4	1440	11	49	17	5.08						
146	Y96178	<0.1	6.0	4037	21	114	26	5.92						
147	Y96179	<0.1	5.3	2606	14	16	23	6.96						
148	Y96180	<0.1	1.0	1300	12	24	3	2.41						
149	Y96181	<0.1	2.1	4260	24	22	77	5.09	0.08	1.25	0.19	20	50	1.730
150	Y96182	<0.1	0.1	183	11	14	34	3.04						
151	Y96183	<0.1	0.5	260	9	23	3	2.78						
152	Y96184	<0.1	1.0	1190	11	17	<1	2.18						
153	Y96185	<0.1	2.8	1180	17	22	5	2.51						
154	Y96186	<0.1	0.2	265	8	18	<1	2.18	0.03	0.87	0.17	10	66	0.097
155	Y96187	<0.1	0.6	215	12	22	<1	2.48						
156	Y96188	<0.1	0.4	151	11	20	12	3.73						
157	Y96189	<0.1	3.4	1202	13	28	19	3.72						
158	Y96190	<0.1	0.7	253	14	27	19	2.13						
159	Y96195	<0.1	0.4	839	14	36	42	2.70	0.14	0.89	0.85	87	63	0.987
160	Y96196	<0.1	<0.1	306	10	36	44	2.07						
161	Y96197	<0.1	0.8	2318	14	33	10	2.58						
162	Y96198	<0.1	1.0	1415	17	28	14	2.27						
163	Y96199	<0.1	0.9	437	12	30	35	2.04	0.08	0.97	0.84	72	48	0.020
164	Y96200	<0.1	0.6	469	10	19	64	1.73						
165	Y96201	<0.1	1.5	1934	11	19	269	1.74						
166	Y96202	<0.1	0.1	570	12	35	24	1.73						
167	Y96203	<0.1	0.5	282	12	24	120	1.67						
168	Y96204	<0.1	0.7	253	14	19	22	1.67	0.10	0.68	1.09	103	41	0.052
169	Y96205	<0.1	0.3	216	14	47	22	1.29						
170	Y96206	<0.1	0.2	423	12	12	39	2.48						

No.	muestra	ppm Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Mo	% Fe	% Ca	% K	% Na	ppm Sr	ppm Rb	% S
171	Y96207	<0.1	0.4	285	9	7	9	2.37						
172	Y96208	<0.1	<0.1	218	11	7	14	2.91						
173	Y96209	<0.1	0.6	1033	13	11	7	2.76	0.05	1.14	0.17	20	67	0.895
174	Y96210	<0.1	0.8	325	15	10	9	3.64						
175	Y96211	<0.1	0.3	364	14	12	10	5.56						
176	Y96212	<0.1	0.9	754	13	13	27	3.93						
177	Y96213	<0.1	3.1	2439	23	18	45	4.95	0.08	0.95	0.20	48	74	0.824
178	Y96214	<0.1	0.1	273	15	14	10	2.04						
179	Y96215	<0.1	<0.1	265	10	12	11	1.92						
180	Y96216	<0.1	0.2	465	16	20	43	4.67						
181	Y96217	<0.1	<0.1	345	11	10	27	4.04						
182	Y96218	<0.1	<0.1	248	10	13	36	4.14	0.07	0.84	0.16	13	65	0.091
183	Y96220	<0.1	4.2	501	14	17	184	2.35						
184	Y96221	<0.1	0.3	194	12	11	29	2.60						
185	Y96222	<0.1	1.2	109	10	9	11	1.28						
186	Y96223	<0.1	0.5	226	9	14	44	2.41						
187	Y96224	<0.1	2.3	179	8	14	22	3.57	0.03	0.93	0.12	9	80	1.474
188	Y96225	<0.1	4.7	1074	14	23	81	14.25						
189	Y96226	<0.1	3.8	11923	10	19	148	10.71						
190	Y96227	<0.1	0.3	239	9	7	41	1.54						
191	Y96228	<0.1	0.7	382	10	13	31	2.37						
192	Y96229	<0.1	2.4	550	14	11	56	3.12	0.05	0.99	0.16	13	68	0.554
193	Y96230	<0.1	0.5	329	12	9	16	2.67						
194	Y96231	<0.1	1.6	1097	13	12	17	3.53						
195	Y96232	<0.1	0.6	984	13	12	12	2.95						
196	Y96233	<0.1	0.4	468	16	61	3	1.96						
197	Y96234	<0.1	0.5	282	11	20	21	2.80	0.01	0.95	0.13	8	86	1.806
198	Y96235	<0.1	0.4	291	13	23	8	3.01						
199	Y96236	<0.1	1.0	810	13	26	91	2.69						
200	Y96237	<0.1	0.7	2998	15	40	4	3.91						

No.	muestra	ppm Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Mo	% Fe	% Ca	% K	% Na	ppm Sr	ppm Rb	% S
201	Y96238	<0.1	0.7	1973	13	28	9	3.31						
202	Y96239	<0.1	0.9	4101	13	24	28	4.16	0.04	1.30	0.18	14	118	3.410
203	Y96240	<0.1	1.6	2458	14	17	64	4.13						
204	Y96241	<0.1	1.0	4708	10	21	16	3.81						
205	Y96242	<0.1	0.5	3165	10	20	8	3.81						
206	Y96243	<0.1	0.1	3135	9	13	8	3.83						
207	Y96244	<0.1	1.0	2687	8	8	25	2.34	0.05	0.78	0.18	15	66	1.065
208	Y96245	<0.1	0.7	1284	9	12	24	2.15						
209	Y96246	<0.1	3.9	366	9	9	18	3.13						
210	Y96247	<0.1	1.5	824	8	9	52	2.09						
211	Y96248	<0.1	1.3	3017	9	8	57	2.63						
212	Y96249	<0.1	5.7	2644	9	10	54	3.75	0.04	0.84	0.14	14	79	2.869
213	Y96250	<0.1	1.0	713	13	6	80	1.88						
214	Y96251	<0.1	0.6	1244	9	4	25	1.63						
215	Y96252	<0.1	0.5	1657	10	9	46	1.58						
216	Y96253	<0.1	20.5	24522	10	77	149	5.83						
217	Y96254	<0.1	<0.1	401	10	13	29	2.96	0.05	0.68	0.18	9	51	1.766
218	Y96255	<0.1	1.3	1716	10	13	19	2.59						
219	Y96256	<0.1	0.9	4065	10	17	59	2.38						
220	Y96257	<0.1	0.5	3156	8	13	13	1.90						
221	Y96258	<0.1	0.9	2468	9	12	34	1.99						
222	Y96259	<0.1	0.6	4655	14	14	43	2.61	0.07	0.82	0.32	37	70	1.779
223	Y96260	<0.1	1.0	6167	9	11	27	2.32						
224	Y96261	<0.1	0.5	2602	9	9	156	2.05						
225	Y96262	<0.1	0.6	2619	19	13	35	2.72						
226	Y96263	<0.1	<0.1	1493	11	13	15	2.47						
227	Y96264	<0.1	<0.1	367	17	14	130	1.99	0.07	0.74	0.47	53	46	0.058
228	Y96265	<0.1	0.8	448	13	11	36	2.54						
229	Y96266	<0.1	0.8	196	10	8	6	1.54						
230	Y96267	<0.1	0.2	194	8	7	5	1.41						

No.	muestra	ppm Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Mo	% Fe	% Ca	% K	% Na	ppm Sr	ppm Rb	% S
231	Y96268	<0.1	2.4	2969	10	10	25	2.33						
232	Y96269	<0.1	1.8	6690	13	11	45	2.59	0.05	0.92	0.18	17	60	1.491
233	Y96270	<0.1	0.7	2766	15	10	28	2.13						
234	Y96271	<0.1	2.2	1083	10	12	19	2.83						
235	Y96272	<0.1	1.0	2801	13	18	16	2.28						
236	Y96273	<0.1	1.6	5483	9	14	8	2.20						
237	Y96274	<0.1	3.4	1444	11	17	32	3.77	0.05	0.82	0.19	9	62	2.354
238	Y96275	<0.1	1.7	827	12	11	28	3.09						
239	Y96276	<0.1	1.7	2827	11	10	20	2.51						
240	Y96277	<0.1	0.9	2215	11	15	14	2.54						
241	Y96278	<0.1	0.6	912	9	16	23	1.72						
242	Y96279	<0.1	1.1	646	9	17	23	2.58	0.03	0.97	0.22	17	54	1.043
243	Y96280	<0.1	<0.1	2275	7	12	13	2.51						
244	Y96281	<0.1	1.0	1732	10	35	11	2.24						
245	Y96282	<0.1	1.5	4232	10	34	42	3.24						
246	Y96283	<0.1	1.0	2387	12	35	28	2.15						
247	Y96284	<0.1	0.7	1314	9	31	37	2.26	0.08	0.77	0.53	90	38	0.583
248	Y96285	<0.1	0.5	1482	8	27	18	1.65						
249	Y96286	<0.1	<0.1	2209	9	26	10	2.51						
250	Y96287	<0.1	0.2	1491	10	31	15	2.17						
251	Y96288	<0.1	1.1	2608	10	16	10	2.56						
252	Y96289	<0.1	0.8	2561	12	10	9	2.64	0.05	1.27	0.20	12	89	2.086
253	Y96290	<0.1	1.2	785	12	10	8	1.67						
254	Y96291	<0.1	<0.1	776	10	10	3	1.62						
255	Y96292	<0.1	0.3	1086	12	87	8	1.91						
256	Y96293	<0.1	0.8	308	11	11	3	2.43						
257	Y96294	0.1	<0.1	194	9	10	5	1.62	0.05	0.88	0.16	9	66	0.050
258	Y96295	<0.1	0.3	342	9	9	53	2.06						
259	Y96296	<0.1	0.3	133	6	7	7	1.17						
260	Y96297	<0.1	0.2	196	8	8	10	1.53						

No.	muestra	ppm Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Mo	% Fe	% Ca	% K	% Na	ppm Sr	ppm Rb	% S
261	Y96298	<0.1	<0.1	214	10	9	3	1.45						
262	Y96299	<0.1	0.7	151	9	12	5	1.44	0.02	0.83	0.10	6	67	0.158
263	Y96300	<0.1	0.9	276	9	15	4	1.44						
264	Y96304	<0.1	0.4	1169	18	31	129	2.75						
265	Y96305	<0.1	0.8	776	13	35	84	2.32						
266	Y96306	<0.1	6.0	1541	20	17	203	5.65	0.08	0.84	0.20	30	60	3.093
267	Y96307	<0.1	5.5	1408	10	17	116	3.00						
268	Y96308	<0.1	6.2	1530	10	29	94	2.85						
269	Y96309	<0.1	5.9	2108	11	29	81	2.97						
270	Y96310	<0.1	0.8	1379	10	43	12	1.96						
271	Y96311	<0.1	4.3	5545	9	31	91	3.22	0.12	1.31	0.81	92	71	1.216
272	Y96312	<0.1	2.6	1475	10	53	24	2.23						
273	Y96313	<0.1	5.2	18246	12	34	571	4.45						
274	Y96314	<0.1	1.2	3282	13	18	61	1.95						
275	Y96315	<0.1	1.4	1993	9	32	39	2.38						
276	Y96316	<0.1	3.9	5010	12	32	18	2.56	0.20	1.12	1.24	131	64	1.539
277	Y96317	<0.1	0.4	510	9	15	13	2.44						
278	Y96318	<0.1	2.7	624	10	23	15	3.09						
279	Y96319	<0.1	2.1	2617	8	15	43	2.40						
280	Y96320	<0.1	1.7	835	13	31	31	2.99						
281	Y96321	<0.1	1.3	2412	11	30	9	2.46	0.12	1.21	1.45	155	62	1.316
282	Y96322	<0.1	0.4	599	14	34	3	1.80						
283	Y96323	<0.1	0.3	505	12	32	2	1.70						
284	Y96324	<0.1	1.3	2767	12	36	6	2.20						
285	Y96325	<0.1	1.6	2029	10	15	14	2.64						
286	Y96326	<0.1	2.1	3138	11	15	22	3.78	0.10	1.18	0.69	79	75	1.743
287	Y96327	<0.1	2.3	6261	14	20	12	2.84						
288	Y96328	<0.1	1.2	3349	18	21	18	2.94						
289	Y96329	<0.1	1.2	1769	16	28	18	2.74						
290	Y96330	<0.1	1.3	2731	13	24	16	2.26						

No.	muestra	ppm Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Mo	% Fe	% Ca	% K	% Na	ppm Sr	ppm Rb	% S
291	Y96331	<0.1	1.0	1322	17	19	8	2.07	0.08	1.85	1.17	134	106	1.325
292	Y96332	<0.1	1.2	956	9	18	17	2.21						
293	Y96333	<0.1	2.5	2157	12	19	28	1.93						
294	Y96334	<0.1	1.4	3467	10	16	9	1.37						
295	Y96335	<0.1	0.5	3117	10	27	7	1.34						
296	Y96336	<0.1	0.4	2154	9	19	9	1.20	0.13	1.23	1.20	149	69	0.310
297	Y96337	<0.1	2.5	8660	14	19	29	1.97						
298	Y96338	<0.1	0.1	4190	9	7	17	1.48						
299	Y96339	<0.1	1.6	12223	11	18	48	2.03						
300	Y96340	<0.1	0.9	8941	14	21	29	1.99						
301	Y96341	<0.1	1.4	7250	12	16	17	1.67	0.05	0.79	0.24	25	41	0.629
302	Y96342	<0.1	2.6	5117	12	21	14	1.71						
303	Y96343	<0.1	0.5	1520	10	16	2	1.02						
304	Y96344	<0.1	0.4	918	9	19	3	1.00						
305	Y96345	<0.1	1.8	5128	13	20	31	1.54						
306	Y96346	<0.1	1.2	4162	14	14	18	1.20	0.13	0.67	1.47	160	33	0.403
307	Y96347	<0.1	4.7	3685	11	20	19	1.30						
308	Y96348	<0.1	1.7	5816	9	17	15	1.25						
309	Y96349	<0.1	10.2	14544	13	14	10	1.46						
310	Y96350	<0.1	8.6	19418	11	16	18	1.65						
311	Y96351	<0.1	6.5	20298	11	16	8	1.78						
312	Y96352	<0.1	0.6	1186	12	44	11	1.65	1.15	0.65	2.74	431	33	0.073
313	Y96353	<0.1	1.1	2093	12	37	8	1.62						
314	Y96354	<0.1	0.6	714	10	36	6	1.58						
315	Y96355	<0.1	0.6	1164	8	51	7	2.64						
316	Y96356	<0.1	0.7	1284	13	41	9	2.75						
317	Y96357	<0.1	2.0	2962	11	18	48	1.66						
318	Y96358	<0.1	1.3	2995	14	21	9	1.78	0.43	0.56	2.05	222	30	0.040
319	Y96359	<0.1	0.4	3263	8	13	384	1.42						
320	Y96360	<0.1	0.9	3670	9	11	344	1.34						

No.	muestra	ppm Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Mo	% Fe	% Ca	% K	% Na	ppm Sr	ppm Rb	% S
321	Y96361	<0.1	0.7	1152	10	33	48	1.39						
322	Y96362	<0.1	0.6	1783	13	45	18	1.41						
323	Y96363	<0.1	1.1	5752	11	36	46	1.41	0.42	0.74	2.80	251	45	0.255
324	Y96364	<0.1	0.3	2599	12	41	15	2.70						
325	Y96365	<0.1	1.0	4604	13	40	321	2.64						
326	Y96366	<0.1	0.6	5433	12	44	22	2.60						
327	Y96367	<0.1	1.4	8478	12	42	35	2.87						
328	Y96368	<0.1	0.2	2274	9	39	25	2.53						
329	Y96371	<0.1	1.9	313	13	36	12	1.35						
330	Y96372	<0.1	2.8	368	13	41	23	1.44	0.10	1.25	0.54	66	56	0.020
331	Y96373	<0.1	1.4	329	14	47	12	1.65						
332	Y96374	<0.1	0.2	545	12	50	7	1.46						
333	Y96375	<0.1	0.6	1092	13	68	14	1.67						
334	Y96376	<0.1	1.2	1318	10	104	25	2.18						
335	Y96377	<0.1	0.2	1212	14	127	11	1.53	0.28	1.19	0.79	162	63	0.018
336	Y96378	<0.1	1.1	218	13	39	20	1.30						
337	Y96379	<0.1	0.5	266	13	67	9	1.25						
338	Y96380	<0.1	1.1	2574	13	57	40	1.76						
339	Y96381	<0.1	0.4	340	12	72	7	1.73						
340	Y96382	<0.1	0.5	321	12	50	20	1.70	0.14	1.69	0.65	79	82	0.015
341	Y96383	<0.1	1.0	303	10	26	34	1.44						
342	Y96384	<0.1	<0.1	1127	11	136	8	1.96						
343	Y96385	<0.1	0.5	491	13	49	13	1.63						
344	Y96386	<0.1	2.5	409	16	17	31	1.59						
345	Y96387	<0.1	2.0	1512	7	17	30	1.87	0.06	1.53	0.26	20	82	0.070
346	Y96388	<0.1	1.8	593	12	20	23	1.29						
347	Y96389	<0.1	0.3	251	9	10	14	1.10						
348	Y96390	<0.1	2.0	1506	9	11	38	1.52						
349	Y96391	<0.1	6.0	22157	14	65	112	1.50						
350	Y96392	<0.1	1.5	8784	23	101	83	1.24						

No.	muestra	ppm Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Mo	% Fe	% Ca	% K	% Na	ppm Sr	ppm Rb	% S
351	Y96393	<0.1	2.9	14474	18	1098	233	1.31						
352	Y96394	<0.1	5.7	15117	16	187	383	1.62						
353	Y96395	<0.1	4.5	20761	13	85	145	1.67	0.05	2.54	0.19	12	132	0.886
354	Y96396	<0.1	2.6	14793	9	26	260	1.47						
355	Y96397	<0.1	0.9	7531	9	19	200	1.68						
356	Y96398	<0.1	4.2	17166	13	34	158	1.83						
357	Y96399	<0.1	1.7	8084	14	57	58	1.58						
358	Y96400	<0.1	0.4	2806	11	13	41	1.22	0.02	3.18	0.30	29	143	0.137
359	Y96432	<0.1	2.4	1427	13	23	66	1.54						
360	Y96433	<0.1	0.9	1481	13	7	81	1.56						
361	Y96434	<0.1	0.6	840	13	23	40	1.26						
362	Y96435	<0.1	0.3	413	11	20	11	1.43						
363	Y96436	<0.1	0.2	727	14	26	10	1.40	1.16	1.28	2.31	403	73	0.045
364	Y96437	<0.1	<0.1	368	13	23	5	1.23						
365	Y96438	<0.1	1.2	2226	8	10	9	1.82						
366	Y96439	<0.1	0.9	2638	11	10	15	1.48						
367	Y96440	<0.1	<0.1	348	12	8	143	1.86						
368	Y96441	<0.1	0.2	427	14	25	23	1.28	0.10	2.04	0.69	95	116	0.025
369	Y96442	<0.1	0.7	577	16	18	59	1.86						
370	Y96443	<0.1	<0.1	513	16	48	3	1.54						
371	Y96444	<0.1	0.5	801	14	37	23	1.30						
372	Y96445	<0.1	0.4	944	15	57	20	1.69						
373	Y96446	<0.1	<0.1	91	10	7	105	0.95	0.04	2.15	0.20	11	131	0.014
374	Y96447	<0.1	2.4	59	9	5	14	0.73						
375	Y96448	<0.1	7.2	1954	10	10	18	0.94						
376	Y96449	<0.1	1.5	725	11	6	11	0.74						
377	Y96450	<0.1	1.7	929	7	7	62	0.61						
378	Y96455	<0.1	0.6	256	10	3	6	0.51	0.03	2.13	0.17	6	123	0.032
379	Y96456	<0.1	0.9	387	10	23	65	1.44						
380	Y96457	<0.1	0.6	625	11	13	63	1.42						

No.	muestra	ppm Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Mo	% Fe	% Ca	% K	% Na	ppm Sr	ppm Rb	% S
381	Y96458	<0.1	1.5	375	8	6	72	1.65						
382	Y96459	<0.1	0.9	377	11	5	46	1.26						
383	Y96460	<0.1	0.5	211	15	8	23	1.17	0.05	1.50	0.20	17	78	0.033
384	Y96461	<0.1	11.8	17719	3	29	243	0.58						
385	Y96462	<0.1	10.9	8613	6	31	533	0.60						
386	Y96463	<0.1	3.5	257	13	8	21	0.81						
387	Y96464	<0.1	5.7	212	16	8	33	1.38						
388	Y96465	<0.1	3.1	356	12	7	87	1.58	0.03	1.51	0.19	9	86	0.026
389	Y96466	<0.1	26.8	2247	14	18	34	1.43						
390	Y96467	<0.1	1.7	944	9	13	49	1.32						
391	Y96468	<0.1	2.4	1121	15	12	37	1.61						
392	Y96469	<0.1	2.3	9665	8	12	31	1.32						
393	Y96470	<0.1	5.0	14902	9	53	120	0.89	0.03	2.04	0.18	11	88	0.614
394	Y96471	<0.1	3.2	1221	8	12	25	0.98						
395	Y96472	<0.1	4.5	3267	5	25	306	0.42						
396	Y96473	<0.1	6.7	8949	10	23	34	0.76						
397	Y96474	<0.1	3.2	3216	7	11	17	0.59						
398	Y96475	<0.1	19.7	18889	13	82	94	0.97	0.03	1.41	0.14	10	74	0.923
399	Y96476	<0.1	7.7	3236	14	9	40	1.12						
400	Y96477	<0.1	10.5	3844	8	20	153	0.43						
401	Y96478	<0.1	6.9	5639	11	57	52	1.54						
402	Y96479	<0.1	1.7	4644	12	278	42	1.58						
403	Y96480	<0.1	6.9	3981	11	12	64	0.59	0.03	1.35	0.17	9	76	0.167
404	Y96481	<0.1	3.1	8462	10	20	55	1.09						
405	Y96482	<0.1	6.7	9571	12	12	15	1.07						
406	Y96483	<0.1	5.0	13995	14	32	78	1.19						
407	Y96484	<0.1	1.1	3352	10	8	79	0.99						
408	Y96485	<0.1	2.2	9359	10	6	58	1.02	0.03	1.30	0.19	10	75	0.462
409	Y96486	<0.1	4.3	30719	9	12	120	2.16						
410	Y96487	<0.1	1.0	3542	10	9	25	1.25						

No.	muestra	ppm Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Mo	% Fe	% Ca	% K	% Na	ppm Sr	ppm Rb	% S
411	Y96488	<0.1	1.6	5479	10	7	36	1.20						
412	Y96489	<0.1	3.3	4634	15	21	63	1.68						
413	Y96490	<0.1	1.4	192	12	13	65	1.33	0.05	1.34	0.23	27	91	0.039
414	Y96495	<0.1	0.6	1868	11	8	44	2.22						
415	Y96496	<0.1	0.8	5270	10	13	33	1.75						
416	Y96497	<0.1	0.8	3110	8	10	68	1.59						
417	Y96498	<0.1	0.9	558	10	14	2	1.34						
418	Y96499	<0.1	0.7	157	7	10	5	1.45	0.01	1.09	0.14	8	83	0.040
419	Y96500	<0.1	1.1	95	7	12	1	1.21						
420	Y96501	<0.1	0.5	129	7	10	4	1.69						
421	Y96502	<0.1	0.9	634	14	19	3	1.65						
422	Y96503	<0.1	1.5	3654	6	22	10	2.91						
423	Y96504	<0.1	3.3	1570	11	15	22	2.01	0.04	1.27	0.19	9	82	0.553
424	Y96505	<0.1	1.4	401	10	13	12	1.50						
425	Y96506	<0.1	1.5	662	12	18	16	2.06						
426	Y96507	<0.1	2.3	3681	11	18	16	3.66						
427	Y96508	<0.1	5.1	3096	12	25	26	8.07						
428	Y96509	<0.1	4.1	9549	12	25	22	10.58	0.04	1.20	0.10	7	100	12.350
429	Y96510	<0.1	2.9	6728	11	27	23	9.16						
430	Y96511	<0.1	3.3	1659	11	36	24	14.12						
431	Y96512	<0.1	3.6	1582	10	18	32	5.42						
432	Y96513	<0.1	6.9	1053	13	18	64	8.57						
433	Y96514	<0.1	3.0	2187	11	18	26	6.68	0.04	1.16	0.16	8	62	7.105
434	Y96515	<0.1	5.4	2214	12	22	37	6.00						
435	Y96516	<0.1	4.3	1976	11	19	35	4.37						
436	Y96517	<0.1	3.7	1217	9	19	49	4.74						
437	Y96518	<0.1	0.4	2160	12	17	15	2.33						
438	Y96519	<0.1	1.1	1841	10	24	7	2.28	0.07	1.91	0.17	16	114	2.157
439	Y96520	<0.1	2.5	1323	12	24	5	2.65						
440	Y96521	<0.1	0.8	445	11	25	3	2.38						

No.	muestra	ppm Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Mo	% Fe	% Ca	% K	% Na	ppm Sr	ppm Rb	% S
441	Y96522	<0.1	0.8	785	14	22	6	2.16						
442	Y96523	<0.1	0.1	423	14	25	7	1.80						
443	Y96524	<0.1	0.7	406	15	40	5	1.95	0.10	0.71	1.17	134	44	0.041
444	Y96525	<0.1	2.0	1005	8	15	19	3.15						
445	Y96526	<0.1	0.7	695	9	15	23	2.72						
446	Y96527	<0.1	0.9	783	12	17	17	2.67						
447	Y96528	<0.1	0.9	520	8	7	173	2.20						
448	Y96529	<0.1	2.7	1039	11	10	112	2.27						
449	Y96530	<0.1	2.2	2175	9	17	58	2.85	0.05	1.67	0.18	20	111	2.108
450	Y96531	<0.1	1.9	4788	11	11	497	2.94						
451	Y96532	<0.1	1.2	1590	11	18	9	2.25						
452	Y96533	<0.1	0.2	468	9	12	10	1.80						
453	Y96534	<0.1	0.8	1471	7	14	12	2.39						
454	Y96535	<0.1	0.9	2639	11	13	1	2.23	0.03	2.58	0.20	26	118	1.869
455	Y96536	<0.1	0.9	3150	12	17	12	9.89						
456	Y96537	<0.1	0.9	2265	10	14	11	2.89						
457	Y96538	<0.1	0.6	1818	12	10	11	3.28						
458	Y96539	<0.1	0.5	1566	12	18	19	2.02						
459	Y96540	<0.1	0.7	1271	11	13	14	2.14	0.04	1.94	0.26	36	136	1.362
460	Y96541	<0.1	0.7	1335	11	15	<1	3.25						
461	Y96542	<0.1	2.5	5966	11	17	40	3.77						
462	Y96543	<0.1	0.8	1743	11	13	41	1.80						
463	Y96544	<0.1	1.0	2621	12	12	8	1.86						
464	Y96545	<0.1	0.8	1086	10	17	27	1.46	0.03	2.19	0.17	13	147	0.901
465	Y96546	<0.1	0.5	2777	13	24	164	2.19						
466	Y96547	<0.1	0.9	2276	12	11	43	1.63						
467	Y96548	<0.1	0.7	1089	14	24	12	1.36						
468	Y96549	<0.1	1.0	1695	10	15	21	1.64						
469	Y96550	<0.1	0.5	1028	11	11	20	1.35	0.03	2.46	0.51	38	147	0.039
470	Y96551	<0.1	0.2	927	10	13	74	1.18						

No.	muestra	ppm Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Mo	% Fe	% Ca	% K	% Na	ppm Sr	ppm Rb	% S
471	Y96552	<0.1	2.6	579	16	34	4	3.07						
472	Y96553	<0.1	3.2	4107	15	34	14	18.26						
473	Y96554	<0.1	1.6	2943	17	15	9	3.03						
474	Y96555	<0.1	1.5	3382	12	14	15	2.19	0.02	2.12	0.15	10	125	2.190
475	Y96556	<0.1	0.9	2113	14	11	7	2.55						
476	Y96557	<0.1	3.9	9722	14	31	33	14.40						
477	Y96558	<0.1	3.0	2763	12	40	5	2.33						
478	Y96559	<0.1	1.2	518	11	15	15	1.80						
479	Y96560	<0.1	10.0	5997	15	58	10	5.80	0.04	1.34	0.13	12	81	5.643
480	Y96561	<0.1	1.1	164	6	8	34	1.55						
481	Y96562	<0.1	0.6	268	11	6	19	1.95						
482	Y96563	<0.1	4.8	295	7	7	24	2.44						
483	Y96564	<0.1	0.2	158	9	7	4	2.46						
484	Y96565	<0.1	<0.1	241	11	10	38	4.79	0.02	1.44	0.11	8	108	0.070
485	Y96566	<0.1	1.3	579	12	10	24	2.51						
486	Y96567	<0.1	1.3	210	14	15	12	1.45						
487	Y96568	<0.1	2.9	456	10	9	7	2.04						
488	Y96569	<0.1	0.5	492	11	17	14	1.72						
489	Y96570	<0.1	0.5	989	10	19	6	1.59	0.10	1.71	2.04	225	105	0.818
490	Y96571	<0.1	0.3	1044	10	11	3	1.07						
491	Y96572	<0.1	0.4	569	14	15	4	1.07						
492	Y96573	<0.1	0.4	849	16	30	3	1.58						
493	Y96574	<0.1	0.3	1083	14	14	69	1.28						
494	Y96575	<0.1	0.6	759	13	63	7	1.60						
495	Y96576	<0.1	<0.1	1141	12	151	61	1.40	0.09	2.24	1.72	161	121	0.641
496	Y96577	<0.1	<0.1	542	13	15	4	1.05						
497	Y96580	<0.1	0.4	2058	10	43	6	2.87						
498	Y96581	<0.1	0.7	4347	9	35	15	2.75						
499	Y96582	<0.1	<0.1	1956	12	44	4	2.81						
500	Y96583	<0.1	<0.1	1386	10	42	6	2.63	1.45	0.90	1.54	278	62	0.045

No.	muestra	ppm Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm Mo	% Fe	% Ca	% K	% Na	ppm Sr	ppm Rb	% S
501	Y96584	<0.1	0.7	2043	13	28	7	2.72						
502	Y96585	<0.1	0.7	3127	9	27	13	3.13						
503	Y96586	<0.1	0.6	2999	13	29	2	3.22						
504	Y96587	<0.1	<0.1	832	13	21	5	2.68						
505	Y96588	<0.1	0.2	1014	11	20	2	2.81	0.94	1.49	1.72	250	108	0.032
506	Y96589	<0.1	0.6	587	12	21	12	2.52						
507	Y96590	<0.1	0.4	1081	13	20	10	3.02						
508	Y96591	<0.1	0.3	1118	13	24	53	3.53						
509	Y96592	<0.1	0.2	969	14	23	35	2.93						
510	Y96593	<0.1	<0.1	4186	14	26	27	2.56	0.78	1.78	1.65	224	114	0.294
511	Y96594	<0.1	0.4	7081	10	20	32	2.32						
512	Y96595	<0.1	0.2	1080	12	30	26	2.75						
513	Y96596	<0.1	0.4	2227	13	20	321	2.48						
514	Y96597	<0.1	2.3	9108	12	9	21	1.09						
515	Y96598	<0.1	0.8	4514	9	11	12	1.33	0.03	2.53	0.24	12	139	0.938
516	Y96599	<0.1	0.4	5016	10	8	11	1.15						
517	Y96600	<0.1	4.2	4535	9	9	42	0.92						
518	Y96601	<0.1	2.2	3177	11	11	57	1.08						
519	Y96602	<0.1	2.0	6371	10	8	63	1.17						
520	Y96603	<0.1	2.4	4855	11	15	45	1.20	0.10	2.57	0.36	36	153	0.253
521	Y96604	<0.1	1.9	8409	11	16	37	1.24						
522	Y96605	<0.1	7.1	14792	15	38	200	1.44						
523	Y96606	<0.1	1.1	4273	10	18	80	2.06						
524	Y96607	<0.1	1.5	5095	16	29	38	2.16						
525	Y96608	<0.1	0.6	4587	12	11	23	1.43	0.05	2.43	0.56	47	144	0.667

Apéndice 10 Resultados de determinación de fechado en muestras de rocas

Apéndice 10 Resultados de determinación de fechado en muestras de rocas

Ser. No.	Muestra No.	Ubicación	Coordenadas		Descripción de muestra a simple vista	Edad Aparente (en m a.)
1	Y96003	Junín r.	N35.175	E760.60	pórfido cuarcífero	5.93±0.13
2	Y96006	Junín r.	N35.030	E760.810	granodiorita cl(3),sil(2),py(1),F(2)	7.51±0.17
3	Y96012	R. Junín slope	N34.710	E761.220	pórfido cuarcífero cl(3),epi(2),sil(1)	7.88±0.25
4	Y96065	Q. Controversia	N35.135	E761.134	porfirita sil(4),F(3),diss. py(1)	5.81±0.13

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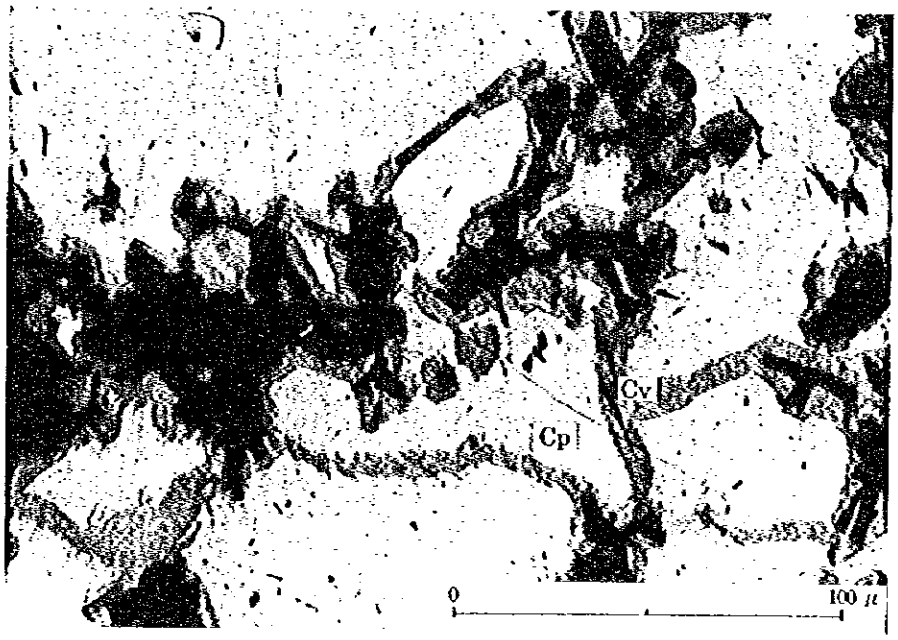
Apéndice 11 Fotografías al microscopio de muestras en rocas

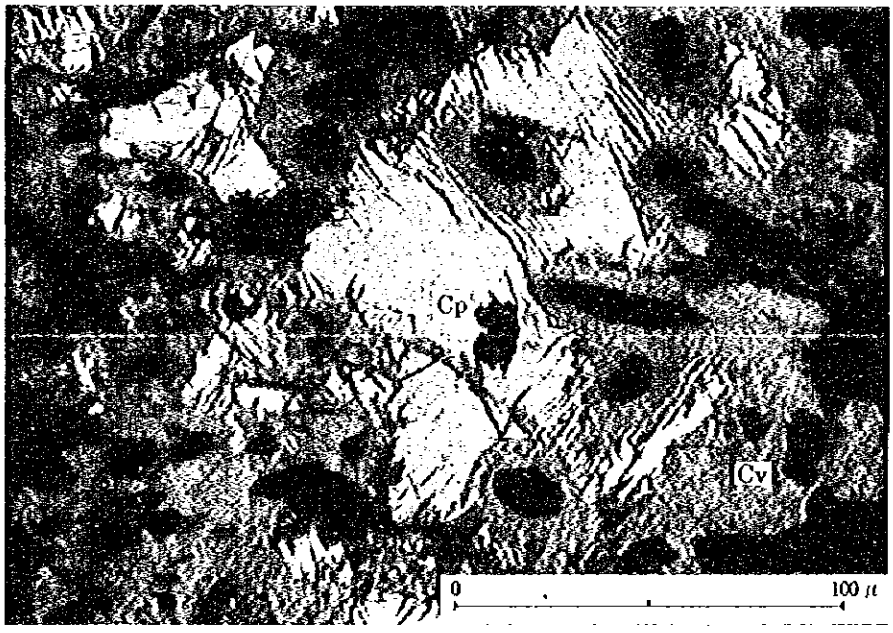


Ubicacion: Q. Controversia

Muestra No.: Y96350

Ca: calcopirita

Cv: covelina



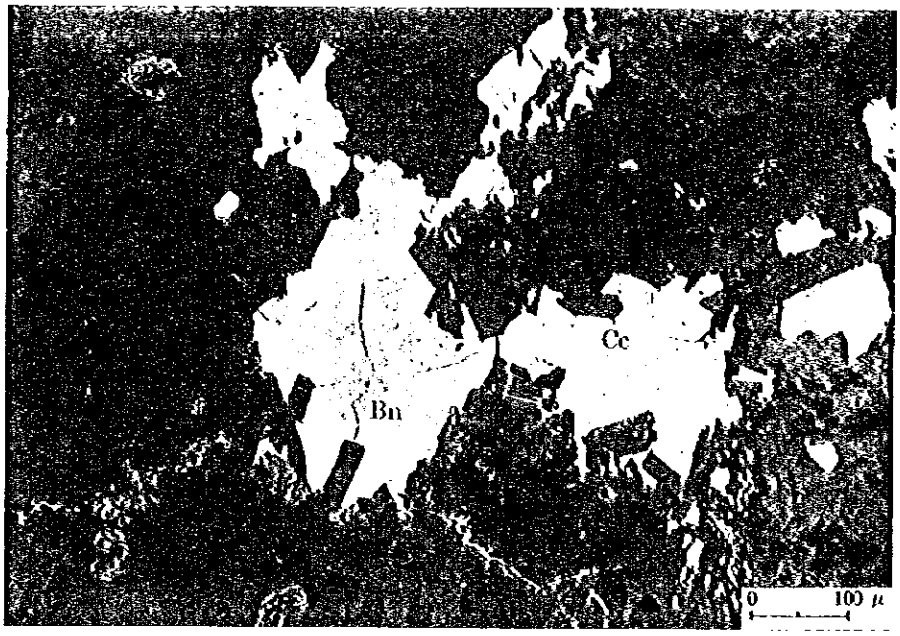
Ubicacion: Q. Controversia

Muestra No.: Y96123

Ca: calcopirita

Cv: covelina

Apéndice 11 Fotografias al microscopio de muestras en rocas(1)

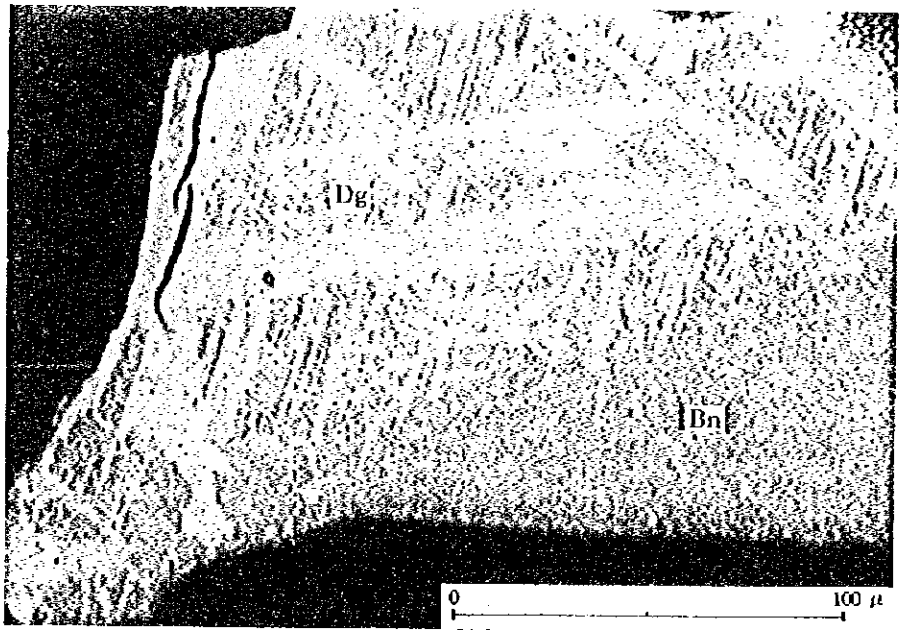


Ubicacion: Ramel de Q. Controversia

Muestra No.: Y96391

Bn: bonita

Cc: Calcosita



Ubicacion: Q. Rica

Muestra No.: Y96162

Bn: bonita

Dg: digenita

Apéndice 11 Fotografías al microscopio de muestras en rocas(2)

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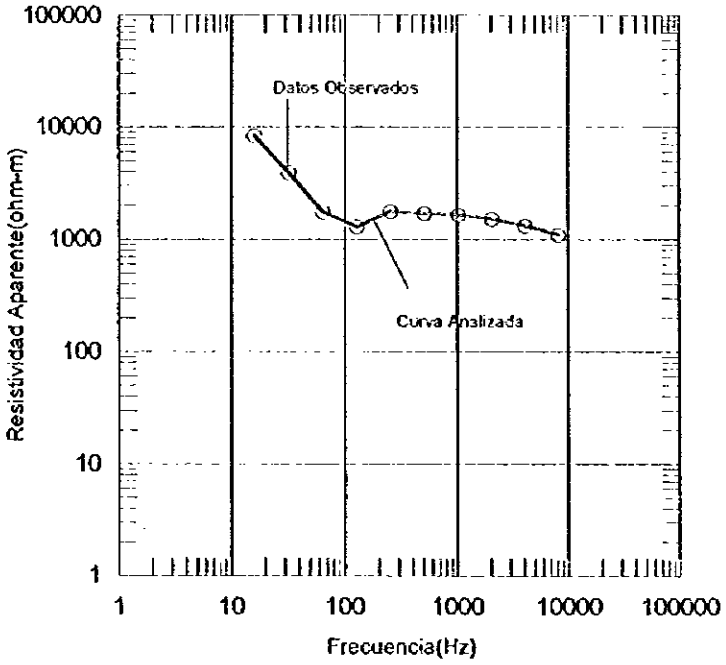
Apéndice 12 Curvas de resistividad aparente en función de la frecuencia

(Nombre del Area) CSAMT (Número de Estación)

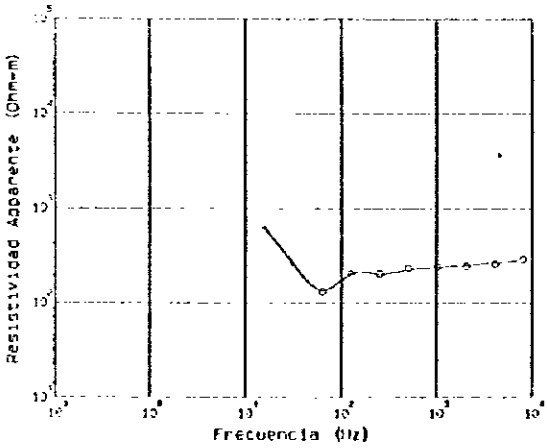


Frecuencia (Hz)	Datos Observados (ohm m)	Datos Calculados (ohm-m)
8192	1090	1085
4096	1311	1309
2048	1511	1514
1024	1830	1838
512	1295	1892
256	1758	1759
128	1284	1261
64	1744	1750
32	3865	3864
16	8334	8330

MODELO

Resistividad (ohm m)	Espesor (m)
930	150
4000	1500
100000	Infinito

ECUADOR96 CSAMT EST-001

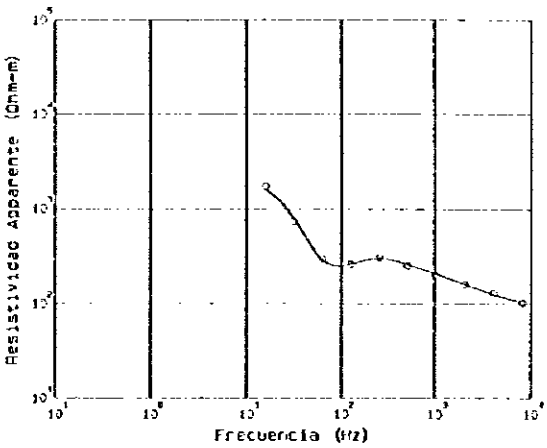


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	290	293
4096	258	266
2048	245	243
1024	241	237
512	234	224
256	204	204
128	203	203
64	137	176
32	271	251
16	501	624

MODELO

Resistividad (Ohm-m)	Espesor (m)
242.7	50.2
202.9	518.9
316.0	237.3
1312.3	Infinito

ECUADOR96 CSAMT EST-002

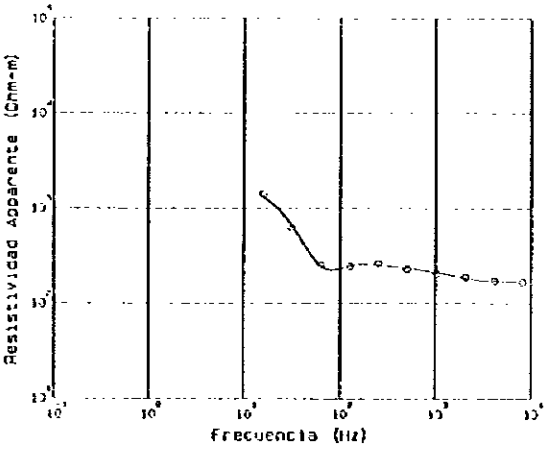


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	102	104
4096	130	125
2048	150	151
1024	203	203
512	253	253
256	309	309
128	262	262
64	237	252
32	749	825
16	1736	1628

MODELO

Resistividad (Ohm-m)	Espesor (m)
107.9	43.9
511.7	1518.7
258.5	Infinito

ECUADOR96 CSAMT EST-003

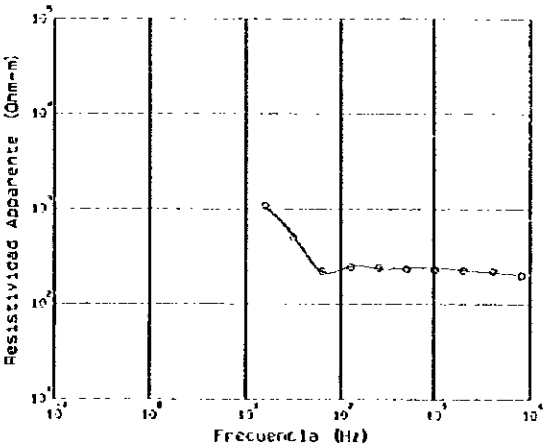


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	168	170
4096	174	171
2048	192	195
1024	205	211
512	230	236
256	224	253
128	247	247
64	251	216
32	619	666
16	1410	1325

MODELO

Resistividad (Ohm-m)	Espesor (m)
177.9	102.2
343.9	204.8
1856.7	Infinito

ECUADOR96 CSAMT EST-004

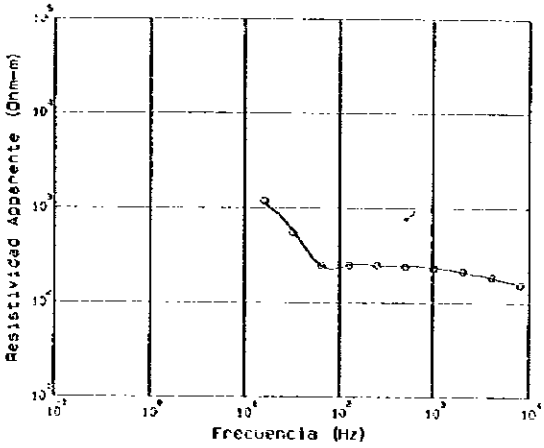


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	173	202
4096	220	212
2048	225	225
1024	230	230
512	234	239
256	241	234
128	246	236
64	222	219
32	479	509
16	1055	1029

MODELO

Resistividad (Ohm-m)	Espesor (m)
202.8	83.9
464.5	504.2
1833.3	Infinito

ECUADOR96 CSAMT EST-005

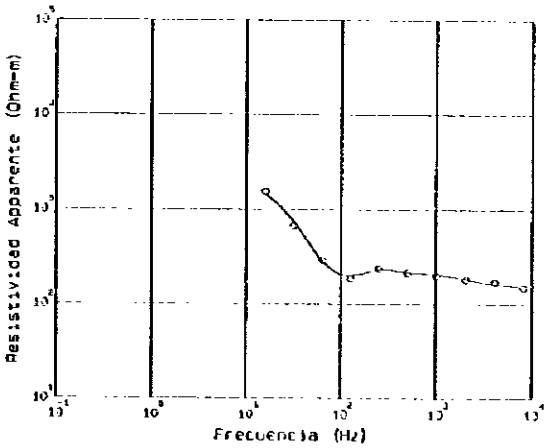


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	155	150
4096	197	185
2048	215	212
1024	232	236
512	242	245
256	250	249
128	251	251
64	248	244
32	551	587
16	1188	1136

MODELO

Resistividad (Ohm-m)	Espesor (m)
171.5	36.1
314.8	632.0
1422.5	Infinita

ECUADOR96 CSAMT EST-006

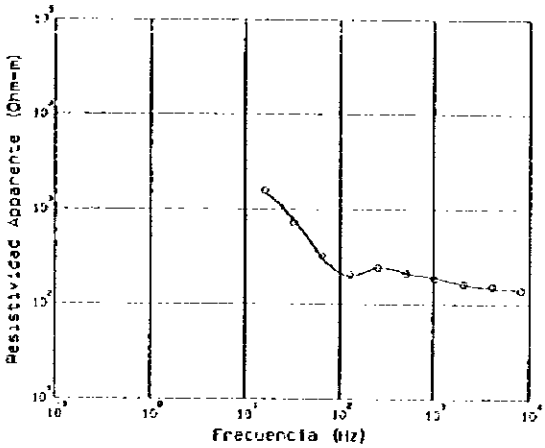


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	149	152
4096	170	163
2048	181	183
1024	197	205
512	215	215
256	249	231
128	186	199
64	293	283
32	677	741
16	1544	1439

MODELO

Resistividad (Ohm-m)	Espesor (m)
158.0	68.0
318.4	543.5
1697.8	Infinita

ECUADOR96 CSAMT EST-007

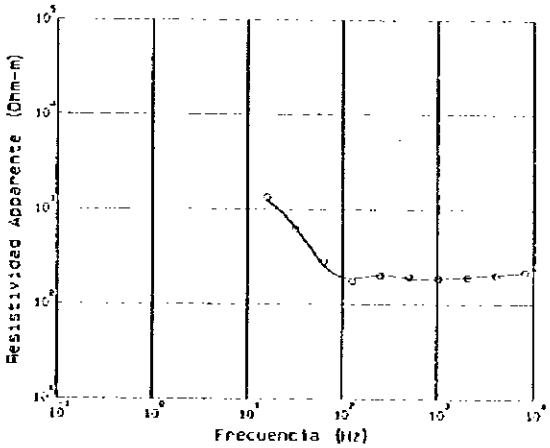


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	140	145
4096	154	147
2048	154	163
1024	187	191
512	212	214
256	244	242
128	206	199
64	365	315
32	726	787
16	1584	1502

MODELO

Resistividad (Ohm-m)	Espesor (m)
153.5	51.0
341.8	635.5
1836.8	Infinita

ECUADOR96 CSAMT EST-008

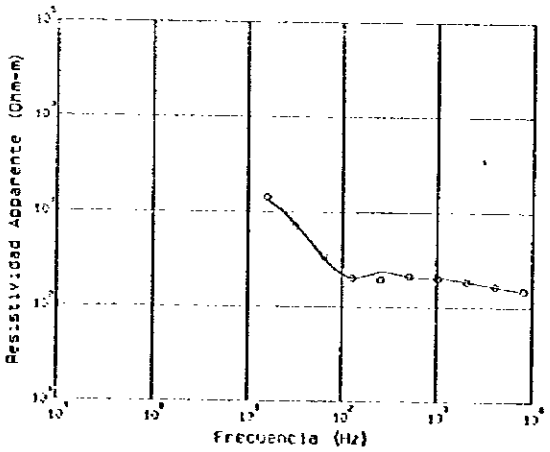


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	219	213
4096	201	205
2048	192	193
1024	189	186
512	196	187
256	202	204
128	176	187
64	287	256
32	673	643
16	1340	1242

MODELO

Resistividad (Ohm-m)	Espesor (m)
207.4	14.4
187.5	236.9
437.1	450.0
1541.0	Infinita

ECUADOR96 CSAMT EST-009

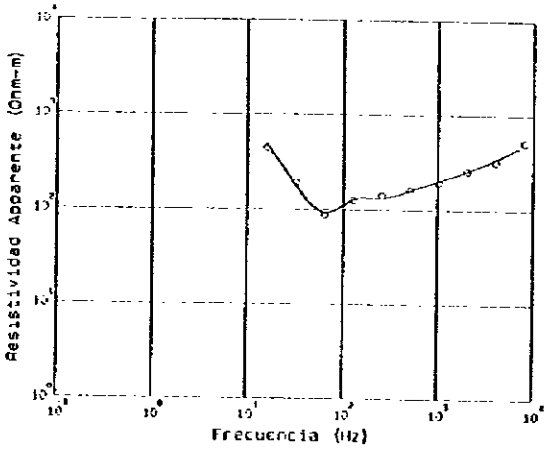


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	143	143
4096	157	156
2048	196	197
1024	193	203
512	212	208
256	194	205
128	202	203
64	344	336
32	700	713
16	1416	1356

MODELO

Rho (Ohm-m)	Espesor (m)
117.6	50.6
292.8	410.4
1103.6	Infinito

ECUADOR96 CSAMT EST-010

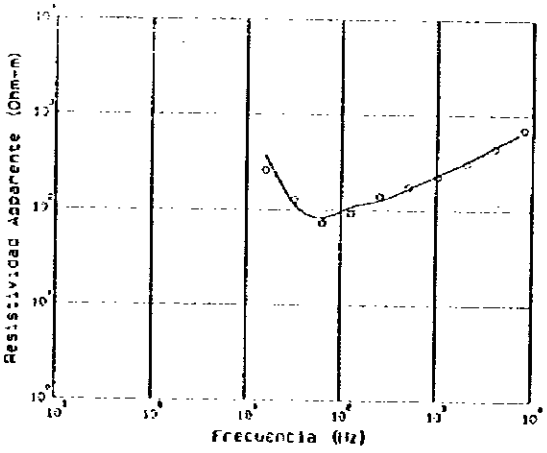


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	516	435
4096	321	313
2048	256	256
1024	194	201
512	169	159
256	143	131
128	125	125
64	87.0	91.1
32	192	192
16	417	484

MODELO

Rho (Ohm-m)	Espesor (m)
1152.8	62.3
133.2	330.7
452.7	487.3
1310.8	Infinito

ECUADOR96 CSAMT EST-011

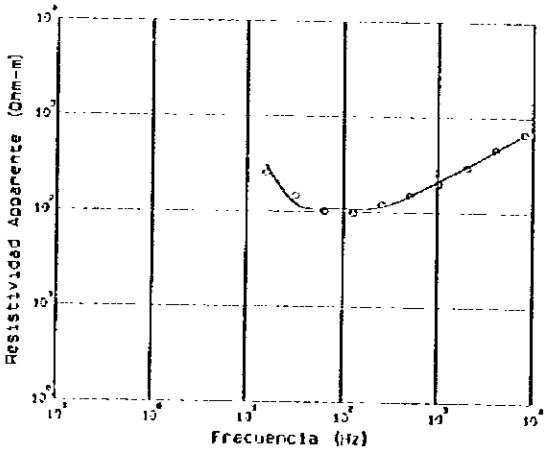


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	295	612
4096	453	476
2048	308	322
1024	225	232
512	176	163
256	149	126
128	31.4	126
64	72.9	82.5
32	123	139
16	260	377

MODELO

Rho (Ohm-m)	Espesor (m)
812.4	96.6
76.0	305.0
440.8	563.0
1370.6	Infinito

ECUADOR96 CSAMT EST-012

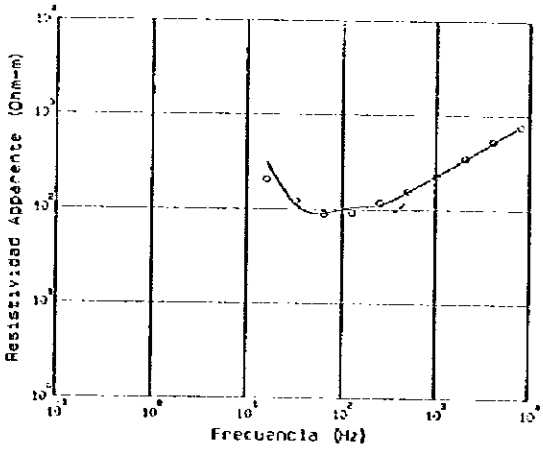


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	671	664
4096	470	446
2048	299	333
1024	130	210
512	150	147
256	120	113
128	37.0	109
64	102	106
32	147	120
16	253	333

MODELO

Rho (Ohm-m)	Espesor (m)
938.5	93.3
67.0	231.0
440.9	466.0
758.0	Infinito

ECUADOR96 CSAMT EST-013

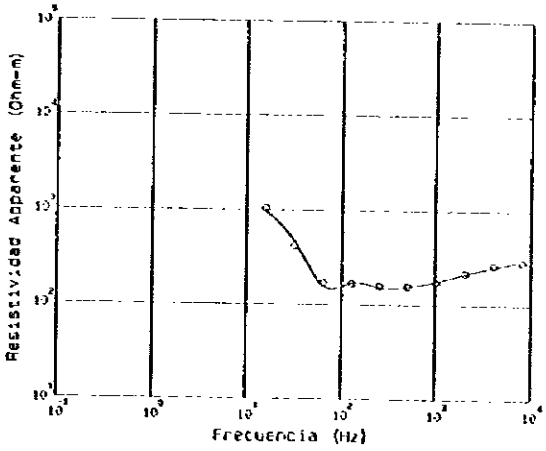


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	264	282
4096	530	517
2048	348	341
1024	226	233
512	157	155
256	119	112
128	91.7	104
64	89.0	90.3
32	122	111
16	207	315

MODELO

Resistividad (Ohm-m)	Espesor (m)
1021.6	185.0
59.5	234.8
519.0	400.0
976.0	Infinito

ECUADOR96 CSAMT EST-014

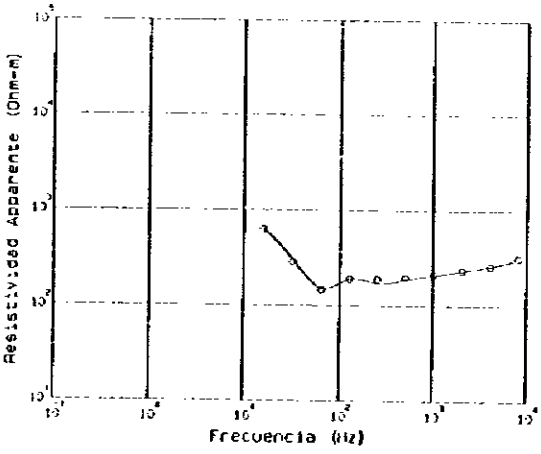


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	283	294
4096	264	253
2048	216	213
1024	175	177
512	157	155
256	156	153
128	169	168
64	170	157
32	416	406
16	1242	555

MODELO

Resistividad (Ohm-m)	Espesor (m)
322.3	61.0
159.5	214.4
479.0	400.0
1280.1	Infinito

ECUADOR96 CSAMT EST-015

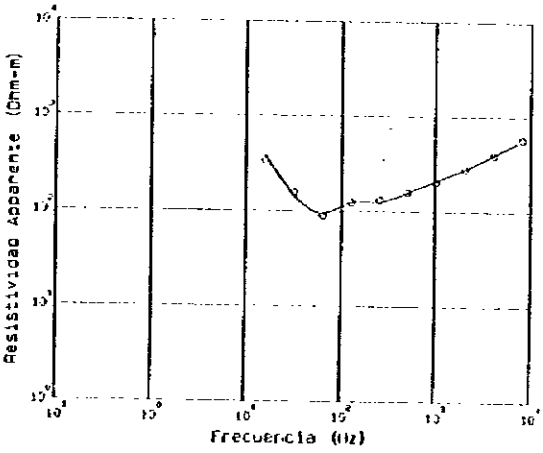


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	317	328
4096	281	262
2048	235	233
1024	212	209
512	197	199
256	191	172
128	191	191
64	147	151
32	266	309
16	625	638

MODELO

Resistividad (Ohm-m)	Espesor (m)
1131.2	23.1
192.2	308.0
445.3	106.3
1937.0	Infinito

ECUADOR96 CSAMT EST-016

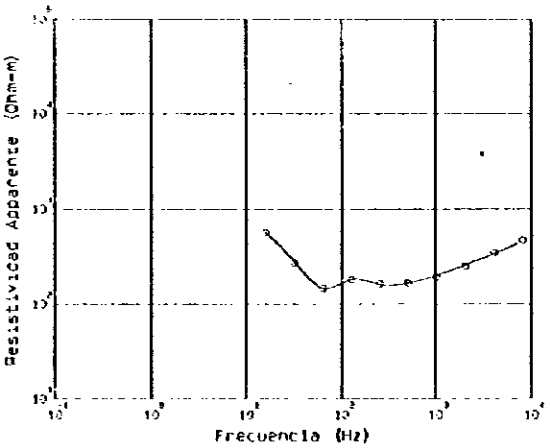


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	577	558
4096	330	350
2048	279	278
1024	203	203
512	159	157
256	131	124
128	123	123
64	93.2	93.7
32	157	136
16	336	381

MODELO

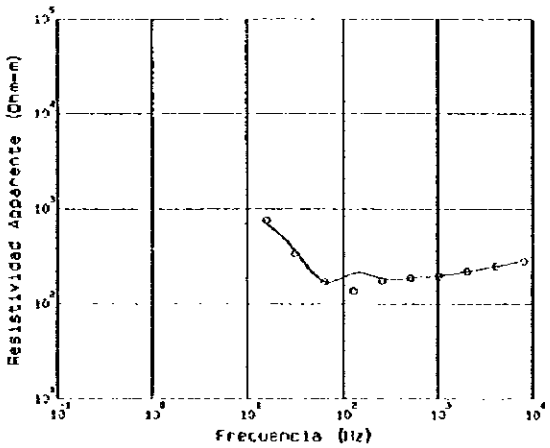
Resistividad (Ohm-m)	Espesor (m)
997.5	37.1
87.6	299.2
465.2	427.0
547.0	Infinito

ECUADOR96 CSAMT EST-017



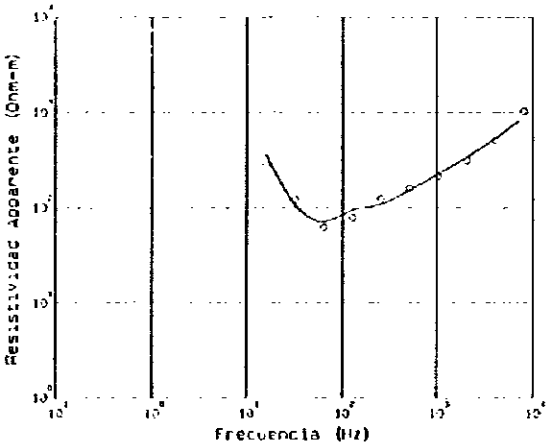
Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODELO Resistividad (Ohm-m)	MODELO Espesor (m)
8192	465	455		
4096	344	337	861.8	69.4
2048	243	257		
1024	193	159		
512	165	155	119.0	225.9
256	164	153		
128	191	181		
64	136	146	465.2	550.8
32	272	289		
16	567	558	956.8	Infinito

ECUADOR96 CSAMT EST-018



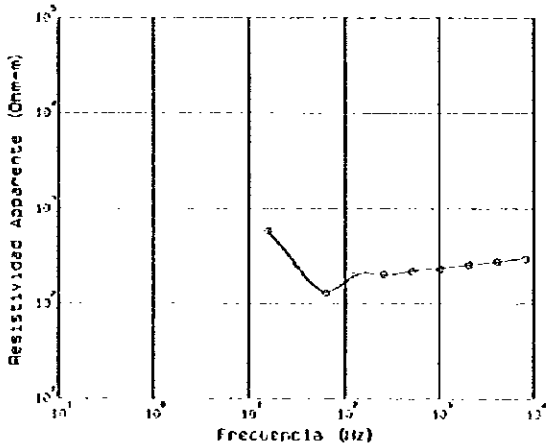
Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODELO Resistividad (Ohm-m)	MODELO Espesor (m)
8192	281	283		
4096	243	247	461.2	97.6
2048	220	217		
1024	195	196		
512	157	187	165.5	218.4
256	175	195		
128	196	233		
64	172	171	316.8	450.8
32	337	365		
16	758	703	914.7	Infinito

ECUADOR96 CSAMT EST-019



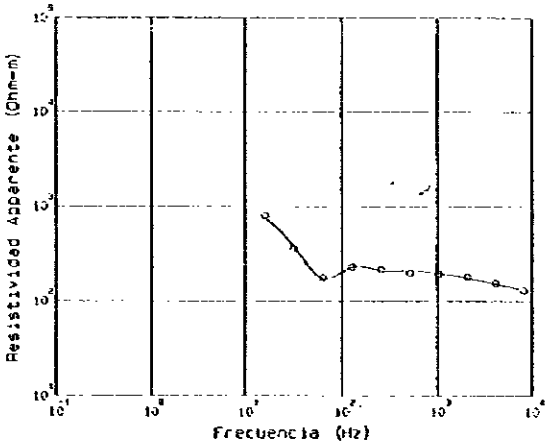
Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODELO Resistividad (Ohm-m)	MODELO Espesor (m)
8192	1033	838		
4096	533	536	1800.7	36.0
2048	313	318		
1024	215	224		
512	152	152	50.4	238.2
256	124	103		
128	78.5	97.3		
64	62.1	71.3	320.3	465.9
32	123	123		
16	263	350	1895.4	Infinito

ECUADOR96 CSAMT EST-020



Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODELO Resistividad (Ohm-m)	MODELO Espesor (m)
8192	295	295		
4096	273	273	304.3	62.5
2048	254	252		
1024	230	236		
512	213	223	142.8	427.1
256	204	200		
128	137	138	258.5	268.3
64	133	131		
32	257	254		
16	573	583	1130.8	Infinito

ECUADOR96 CSAMT EST-021

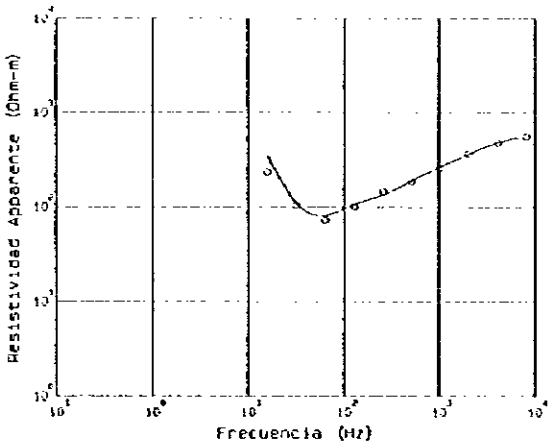


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	131	132
4096	155	153
2048	159	176
1024	134	137
512	193	209
256	215	203
128	266	268
64	178	174
32	360	352
16	652	762

MODELO

Resistividad (Ohm-m)	Espesor (m)
113.3	30.7
267.4	096.4
1105.2	Infinita

ECUADOR96 CSAMT EST-022

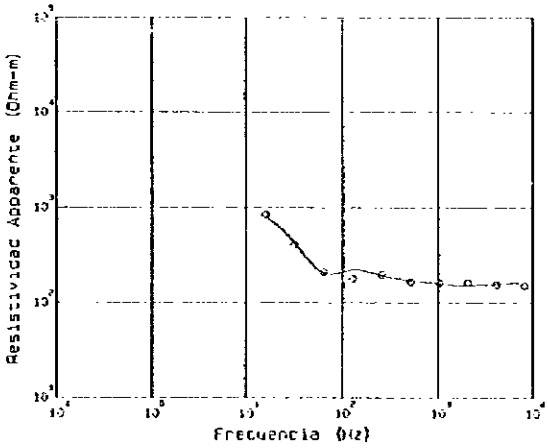


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	558	554
4096	477	476
2048	365	360
1024	270	263
512	166	169
256	146	133
128	109	105
64	72.7	81.0
32	174	111
16	234	351

MODELO

Resistividad (Ohm-m)	Espesor (m)
495.8	139.0
68.7	260.0
585.9	348.0
1.54.8	Infinita

ECUADOR96 CSAMT EST-023

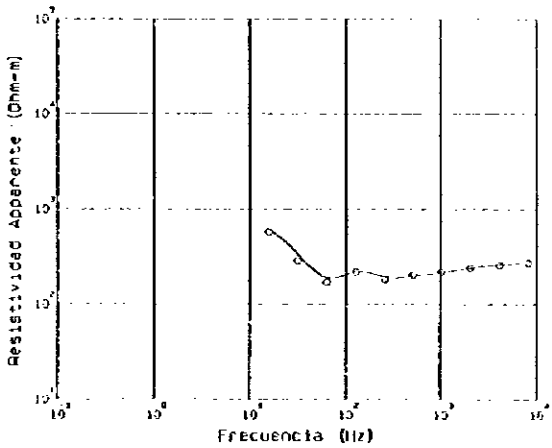


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	152	162
4096	156	158
2048	153	153
1024	152	159
512	153	172
256	135	131
128	173	221
64	243	266
32	465	465
16	843	739

MODELO

Resistividad (Ohm-m)	Espesor (m)
161.7	178.4
364.2	530.5
939.4	Infinita

ECUADOR96 CSAMT EST-024

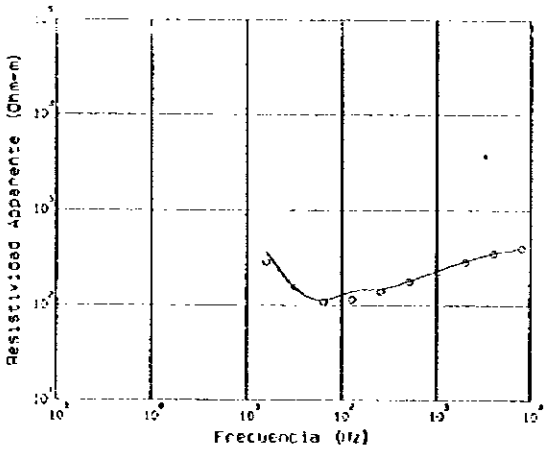


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	272	271
4096	258	260
2048	243	232
1024	219	215
512	204	198
256	192	134
128	213	213
64	173	138
32	256	339
16	574	613

MODELO

Resistividad (Ohm-m)	Espesor (m)
457.8	8.1
175.9	250.0
441.8	454.7
557.8	Infinita

ECUADOR96 CSAMT EST-025

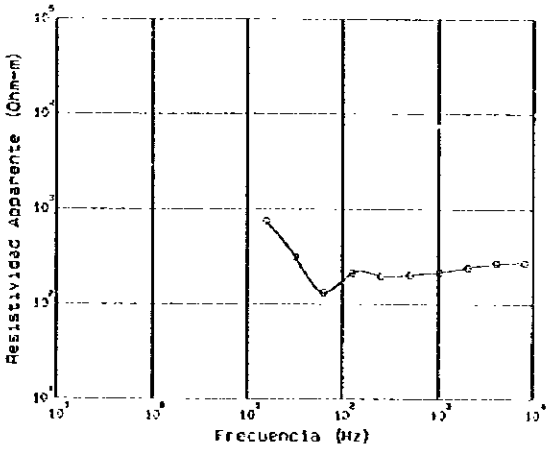


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	397	393
4096	350	355
2048	266	293
1024	224	230
512	177	181
256	149	149
128	115	142
64	109	114
32	154	154
16	251	357

MODELO

Rho (Ohm-m)	Espesor (m)
363.6	111.2
90.0	236.0
245.0	158.0
248.0	Infinito

ECUADOR96 CSAMT EST-026

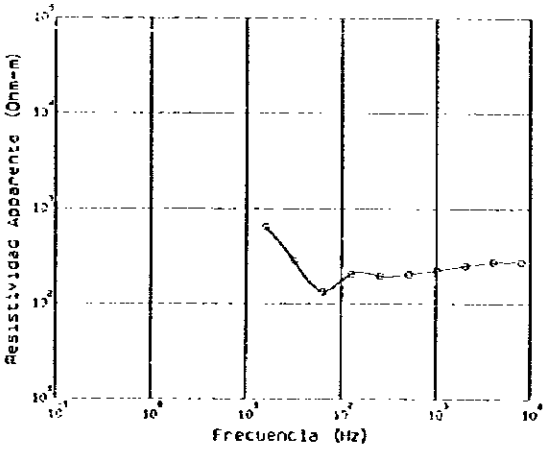


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	272	276
4096	270	265
2048	241	242
1024	214	216
512	253	203
256	197	197
128	213	213
64	333	132
32	315	318
16	742	732

MODELO

Rho (Ohm-m)	Espesor (m)
263.5	83.9
168.5	284.2
343.6	654.5
1511.6	Infinito

ECUADOR96 CSAMT EST-027

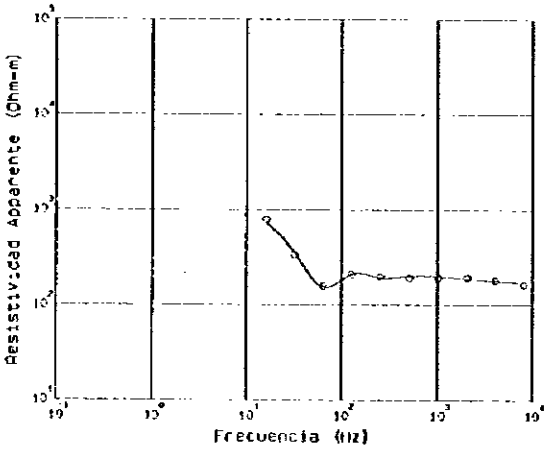


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	276	279
4096	276	272
2048	251	251
1024	222	223
512	204	205
256	133	137
128	207	207
64	135	136
32	285	285
16	645	647

MODELO

Rho (Ohm-m)	Espesor (m)
270.2	104.3
163.6	212.5
313.0	638.9
1393.3	Infinito

ECUADOR96 CSAMT EST-028

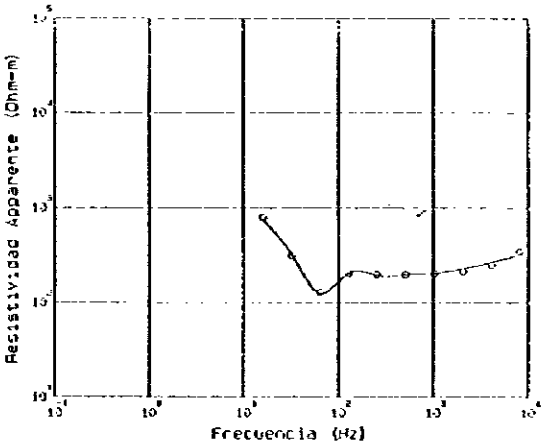


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	154	170
4096	181	178
2048	194	188
1024	193	198
512	193	200
256	137	192
128	203	209
64	159	151
32	334	356
16	787	732

MODELO

Rho (Ohm-m)	Espesor (m)
179.5	57.9
231.3	593.1
1136.0	Infinito

ECUADOR96 CSAMT EST-029

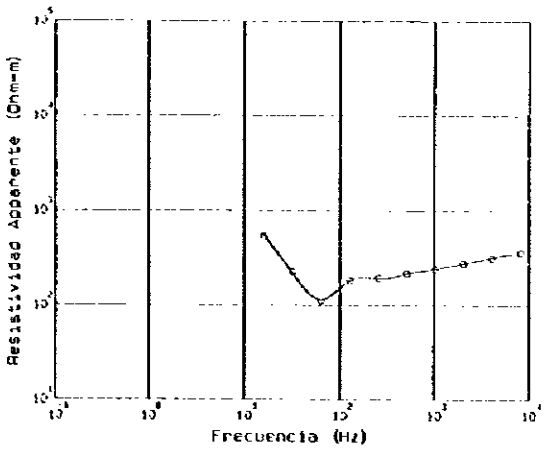


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	345	319
4096	243	266
2048	212	226
1024	202	204
512	197	197
256	198	193
128	204	204
64	129	125
32	313	323
16	767	751

MODELO

Rho (Ohm-m)	Espesor (m)
301.4	30.7
104.9	204.4
250.4	611.4
1593.2	Infinita

ECUADOR96 CSAMT EST-030

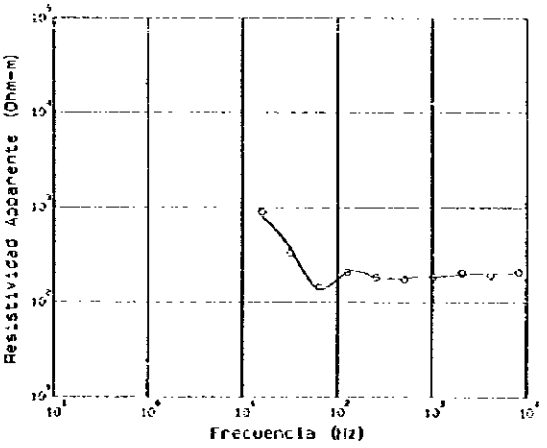


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	302	301
4096	314	317
2048	277	276
1024	241	242
512	217	215
256	134	131
128	182	182
64	113	114
32	226	213
16	534	560

MODELO

Rho (Ohm-m)	Espesor (m)
133.5	75.4
365.1	242.1
277.8	455.6
1437.9	Infinita

ECUADOR96 CSAMT EST-031

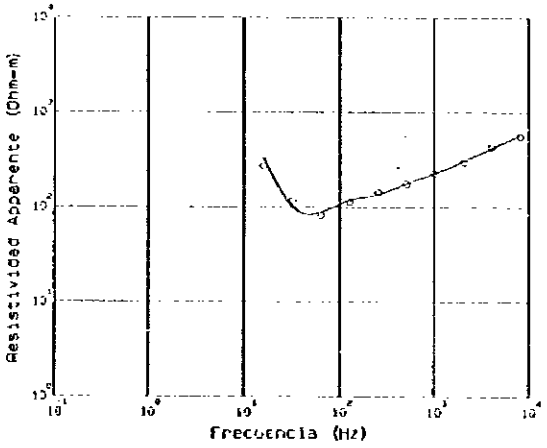


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	207	202
4096	193	203
2048	265	177
1024	166	185
512	175	192
256	193	184
128	209	209
64	144	137
32	331	367
16	960	752

MODELO

Rho (Ohm-m)	Espesor (m)
100.5	119.5
167.8	181.2
342.5	575.8
1453.8	Infinita

ECUADOR96 CSAMT EST-032

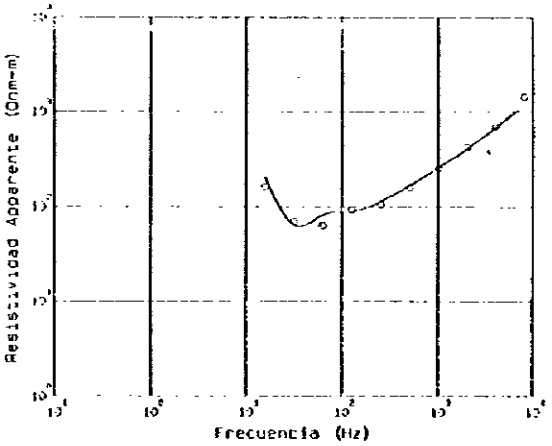


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	557	575
4096	432	419
2048	258	302
1024	258	227
512	177	176
256	142	136
128	114	117
64	82.2	87.7
32	117	131
16	270	331

MODELO

Rho (Ohm-m)	Espesor (m)
575.8	50.7
87.3	193.7
456.3	346.0
1298.5	Infinita

ECUADOR96 CSAMT EST-033

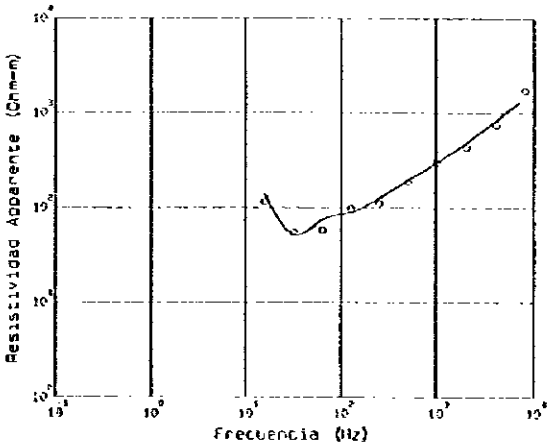


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	1447	1171
4096	704	679
2048	426	453
1024	257	260
512	150	168
256	104	113
128	92.3	89.5
64	63.1	81.5
32	69.9	63.9
16	172	205

MODELO

Res (Ohm-m)	Espesor (m)
439.0	119.3
47.7	236.0
398.0	497.8
753.0	Infinita

ECUADOR96 CSAMT EST-034

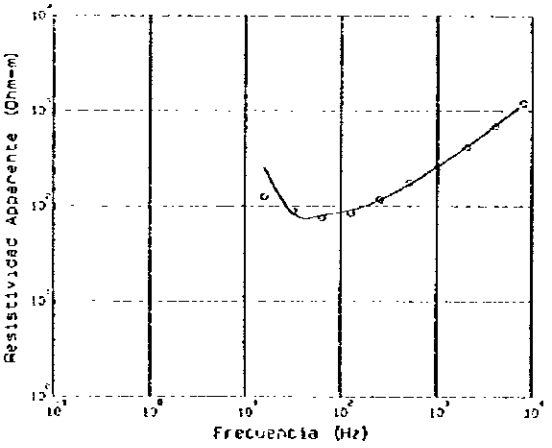


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	1225	1361
4096	744	823
2048	430	482
1024	299	297
512	159	132
256	111	126
128	97.4	83.3
64	57.9	74.2
32	54.5	51.7
16	115	130

MODELO

Res (Ohm-m)	Espesor (m)
568.4	132.7
44.4	263.0
422.5	439.9
736.3	Infinita

ECUADOR96 CSAMT EST-035

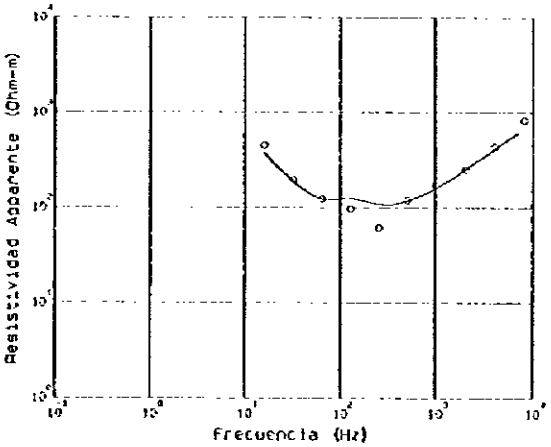


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	1203	1211
4096	633	698
2048	415	420
1024	263	263
512	175	162
256	119	116
128	84.6	83.0
64	75.5	78.9
32	53.3	80.3
16	126	200

MODELO

Res (Ohm-m)	Espesor (m)
573.4	113.4
48.4	173.0
248.9	353.0
537.6	Infinita

ECUADOR96 CSAMT EST-036

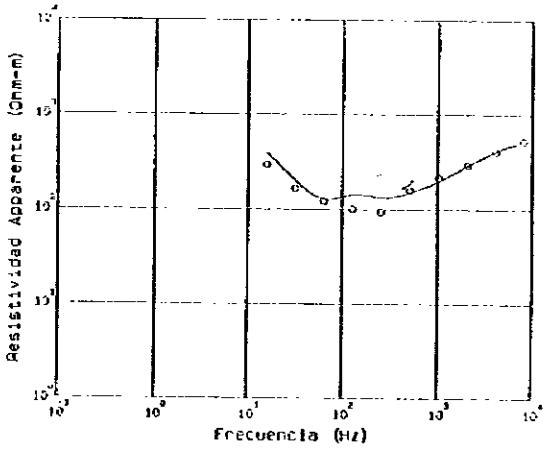


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	836	672
4096	433	412
2048	251	250
1024	173	153
512	113	117
256	61.2	106
128	96.8	124
64	123	129
32	195	183
16	456	373

MODELO

Res (Ohm-m)	Espesor (m)
1765.0	86.8
45.3	102.0
368.0	339.8
500.0	Infinita

ECUADOR96 CSAMT EST-037

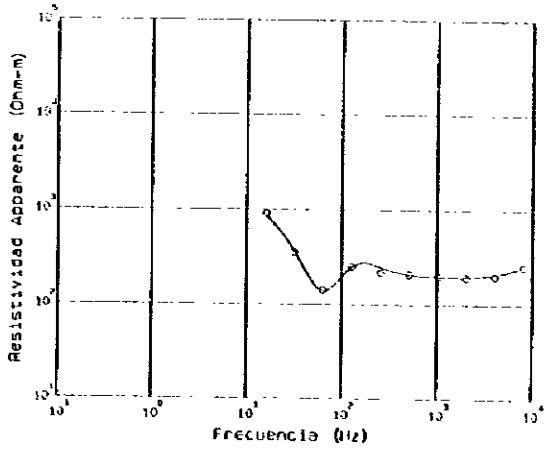


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	526	524
4096	407	412
2048	233	263
1024	216	193
512	157	150
256	93.8	133
128	131	143
64	122	127
32	156	231
16	235	337

MODELO

Res (Ohm-m)	Espesor (m)
493.1	156.4
64.0	129.0
268.0	320.0
598.0	Infinito

ECUADOR96 CSAMT EST-038

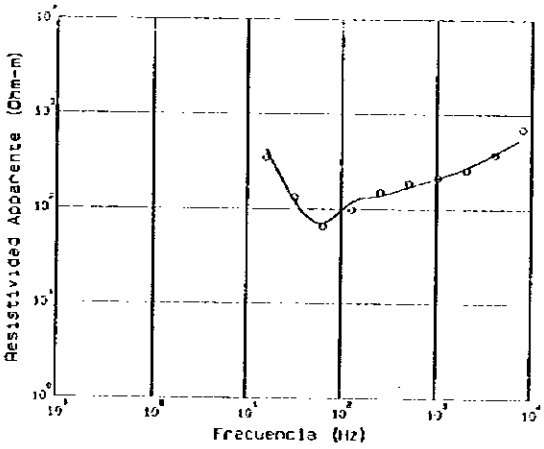


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	252	247
4096	201	210
2048	155	196
1024	200	198
512	213	206
256	219	247
128	250	250
64	143	133
32	354	362
16	933	873

MODELO

Res (Ohm-m)	Espesor (m)
1642.9	13.2
147.3	93.3
765.2	624.9
1073.5	Infinito

ECUADOR96 CSAMT EST-039

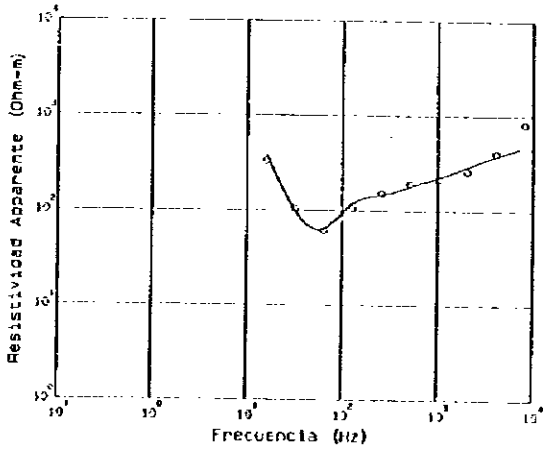


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	703	574
4096	376	384
2048	256	275
1024	214	211
512	197	171
256	150	138
128	97.9	117
64	65.4	70.1
32	134	123
16	318	428

MODELO

Res (Ohm-m)	Espesor (m)
4724.0	64.6
96.6	430.6
728.3	253.0
2345.7	Infinito

ECUADOR96 CSAMT EST-040

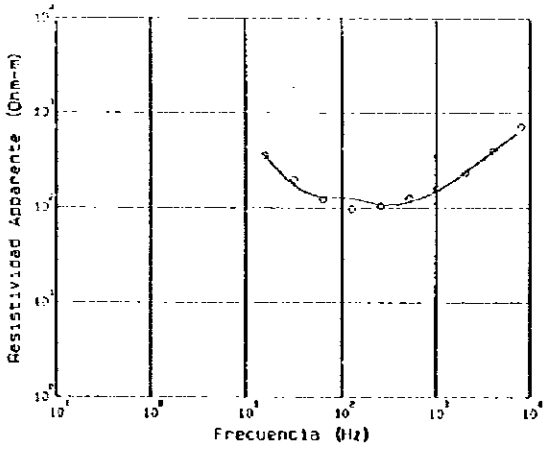


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	817	464
4096	493	375
2048	260	288
1024	214	222
512	190	179
256	152	144
128	106	119
64	61.6	63.1
32	165	98.4
16	333	351

MODELO

Res (Ohm-m)	Espesor (m)
456.7	96.6
93.7	515.4
385.1	183.6
3062.3	Infinito

ECUADOR96 CSAMT EST-041

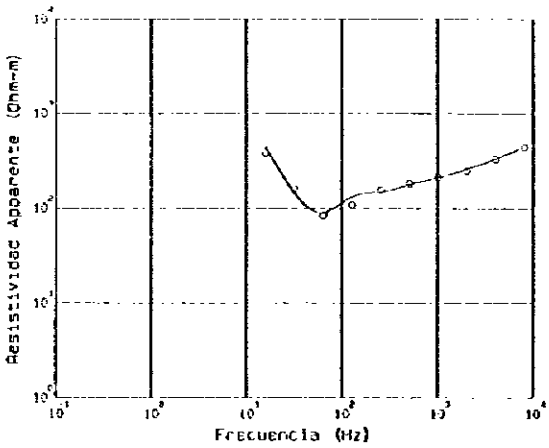


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	722	559
4096	336	334
2048	234	236
1024	159	151
512	127	115
256	105	100
128	97.2	126
64	123	130
32	202	174
16	358	303

MODELO

Rho (Ohm-m)	Espesor (m)
240.0	81.0
43.2	92.0
302.0	550.0
634.2	Infinito

ECUADOR96 CSAMT EST-042

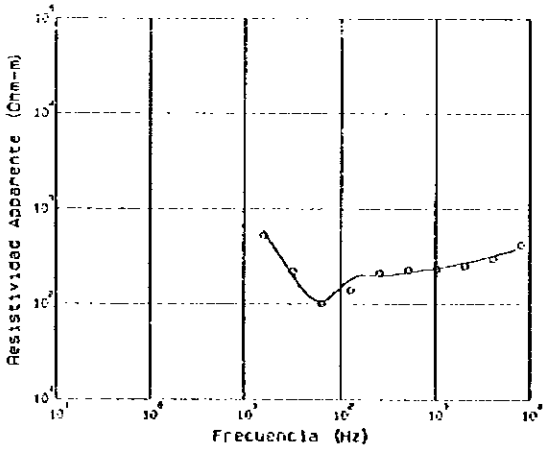


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	411	437
4096	331	333
2048	251	253
1024	212	211
512	192	177
256	156	147
128	199	132
64	84.0	69.5
32	151	143
16	377	430

MODELO

Rho (Ohm-m)	Espesor (m)
642.3	86.3
115.0	365.1
178.0	265.8
1472.4	Infinito

ECUADOR96 CSAMT EST-043

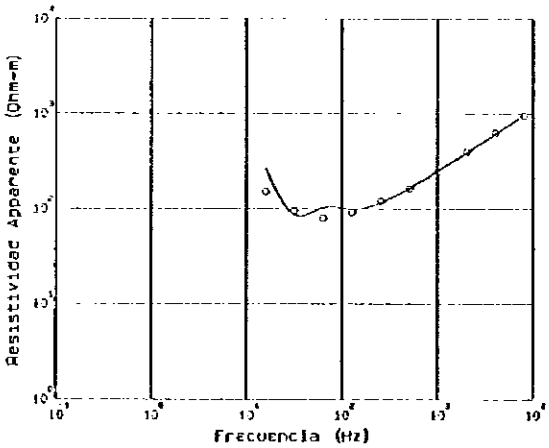


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	413	331
4096	301	320
2048	251	270
1024	235	235
512	228	215
256	212	199
128	149	182
64	102	165
32	221	201
16	526	532

MODELO

Rho (Ohm-m)	Espesor (m)
833.0	49.6
170.4	268.0
261.0	576.2
2241.0	Infinito

ECUADOR96 CSAMT EST-044

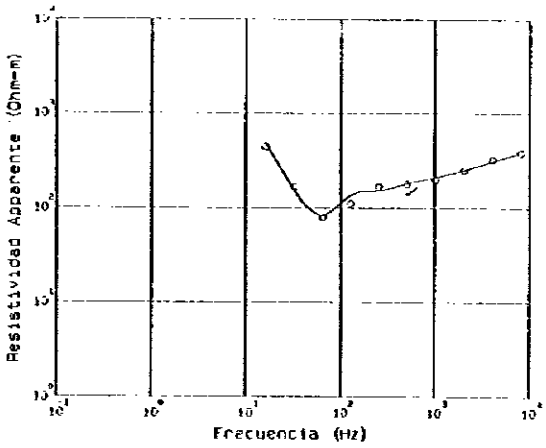


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	948	964
4096	610	612
2048	337	378
1024	240	250
512	153	153
256	120	118
128	91.6	97.9
64	79.4	102
32	95.6	86.0
16	152	267

MODELO

Rho (Ohm-m)	Espesor (m)
1703.6	117.2
52.7	192.0
140.0	480.0
343.0	Infinito

ECUADOR96 CSAMT EST-045

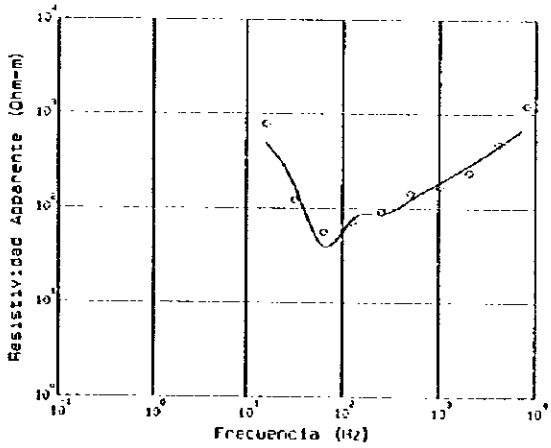


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	384	365
4096	324	311
2048	252	252
1024	202	211
512	179	182
256	163	153
128	114	136
64	29.2	83.2
32	167	154
16	492	452

MODELO

Rho (Ohm-m)	Espesor (m)
410.6	63.8
127.3	436.4
337.2	329.3
2157.5	Infinito

ECUADOR96 CSAMT EST-046

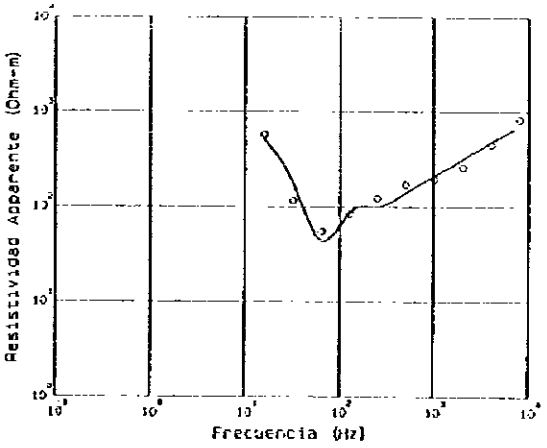


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	1246	747
4096	431	450
2048	233	283
1024	170	157
512	144	123
256	91.7	86.1
128	71.2	77.3
64	55.7	33.0
32	123	169
16	765	531

MODELO

Rho (Ohm-m)	Espesor (m)
2500.0	91.3
46.6	203.9
565.9	450.0
2500.0	Infinito

ECUADOR96 CSAMT EST-047

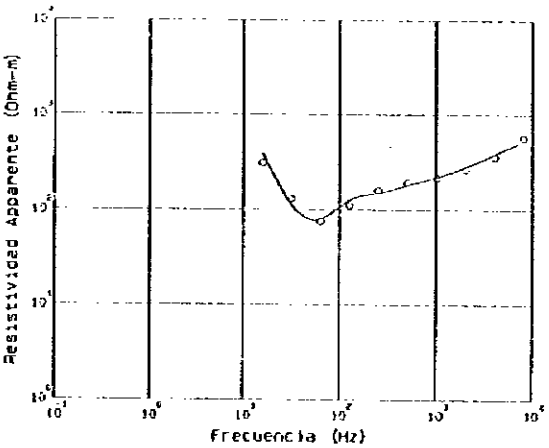


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	825	724
4096	451	473
2048	259	317
1024	195	210
512	171	173
256	122	133
128	84.3	87.6
64	54.9	43.2
32	116	175
16	575	517

MODELO

Rho (Ohm-m)	Espesor (m)
803.7	106.4
50.2	303.1
344.4	411.5
2500.0	Infinito

ECUADOR96 CSAMT EST-048

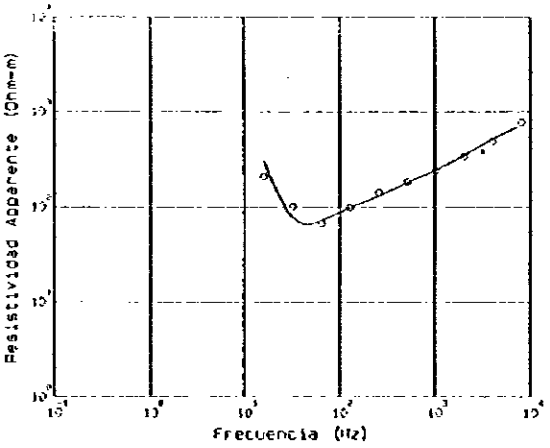


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	569	529
4096	368	382
2048	206	282
1024	215	219
512	194	190
256	160	148
128	111	125
64	75.1	78.7
32	130	113
16	310	335

MODELO

Rho (Ohm-m)	Espesor (m)
692.0	61.4
93.3	50.7
105.7	517.1
1990.7	Infinito

ECUADOR96 CSAMT EST-049

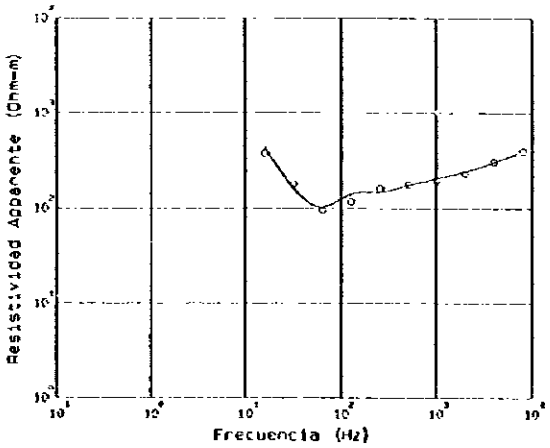


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	773	734
4096	432	516
2048	342	352
1024	242	245
512	155	181
256	143	131
128	100	99.8
64	69.1	72.2
32	151	79.4
16	203	310

MODELO

Rho (Ohm-m)	Espesor (m)
871.9	159.8
67.8	361.6
692.9	268.0
1195.8	Infinito

ECUADOR96 CSAMT EST-050

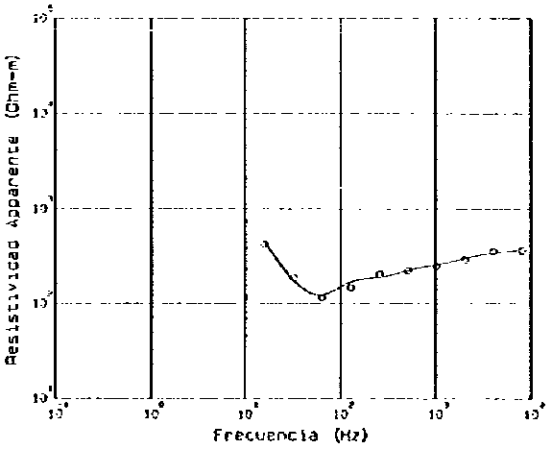


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	339	325
4096	308	302
2048	233	242
1024	137	203
512	177	174
256	161	147
128	117	143
64	95.3	122
32	179	152
16	376	434

MODELO

Rho (Ohm-m)	Espesor (m)
698.6	54.8
124.8	422.5
350.9	293.8
1186.2	Infinito

ECUADOR96 CSAMT EST-051

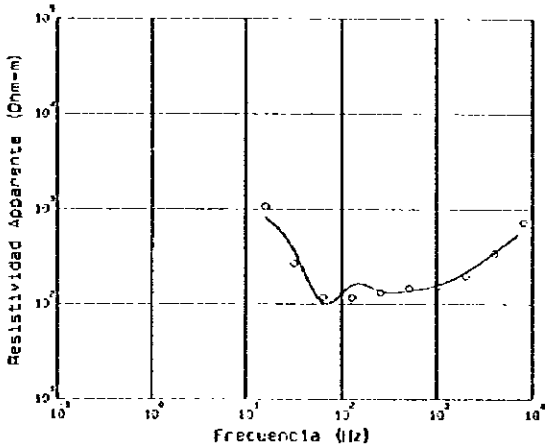


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	363	366
4096	356	342
2048	292	293
1024	250	258
512	223	224
256	205	193
128	149	169
64	116	123
32	193	177
16	421	455

MODELO

Rho (Ohm-m)	Espesor (m)
350.6	106.6
188.2	913.4
306.9	267.4
1153.2	Infinito

ECUADOR96 CSAMT EST-052

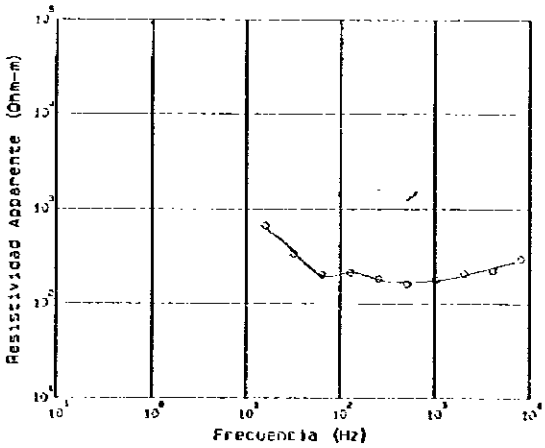


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	727	539
4096	345	349
2048	158	215
1024	155	156
512	147	138
256	132	137
128	117	157
64	117	152
32	209	381
16	1069	819

MODELO

Rho (Ohm-m)	Espesor (m)
3497.6	78.8
47.3	66.5
315.1	603.6
1758.1	Infinito

ECUADOR96 CSAMT EST-053

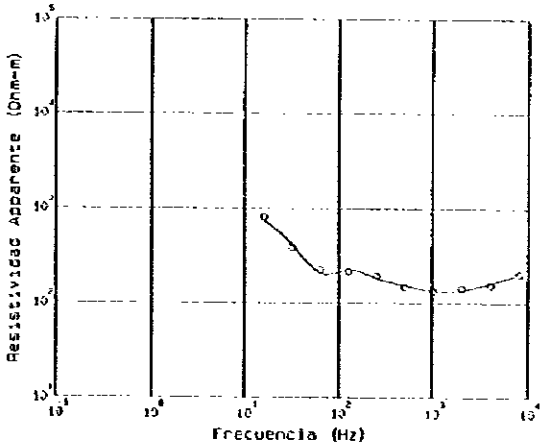


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	253	268
4096	222	233
2048	207	199
1024	178	174
512	163	163
256	124	183
128	212	212
64	272	197
32	334	356
16	667	630

MODELO

Resistividad (Ohm-m)	Espesor (m)
453.6	37.4
141.6	163.2
418.5	465.6
743.7	Infinita

ECUADOR96 CSAMT EST-054

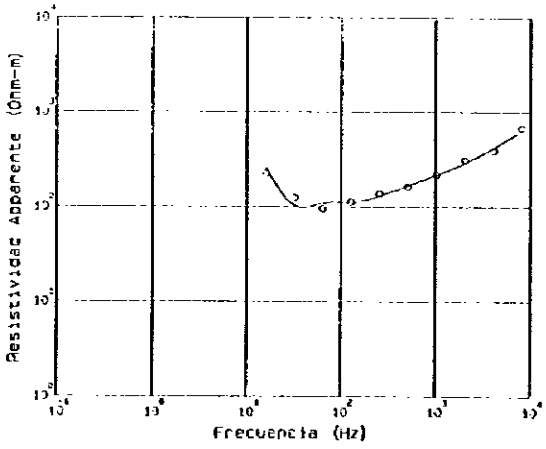


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	202	221
4096	156	161
2048	143	136
1024	135	135
512	139	153
256	124	183
128	216	223
64	225	206
32	346	410
16	610	744

MODELO

Resistividad (Ohm-m)	Espesor (m)
108.7	27.5
106.9	114.6
487.8	503.4
924.8	Infinita

ECUADOR96 CSAMT EST-055

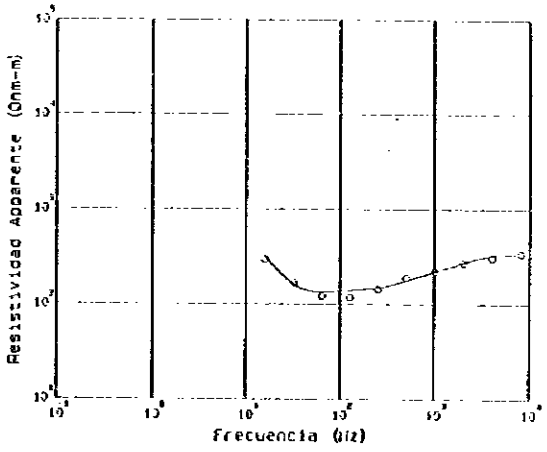


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	681	649
4096	331	419
2048	307	289
1024	217	215
512	153	166
256	138	133
128	113	111
64	96.2	109
32	124	103
16	225	254

MODELO

Resistividad (Ohm-m)	Espesor (m)
4948.5	70.4
69.9	323.9
508.2	373.8
630.9	Infinita

ECUADOR96 CSAMT EST-056

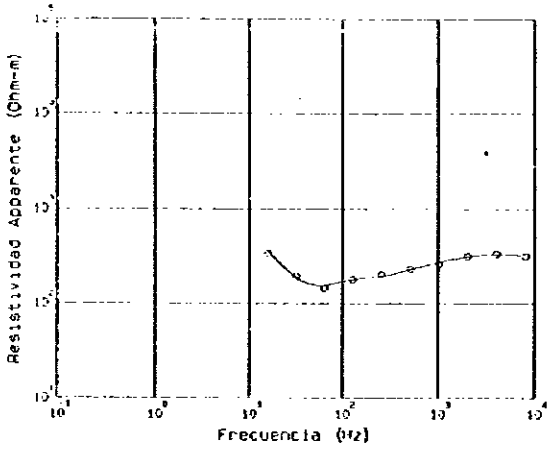


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	349	331
4096	306	321
2048	273	273
1024	221	215
512	163	176
256	144	145
128	118	141
64	122	133
32	169	151
16	293	321

MODELO

Resistividad (Ohm-m)	Espesor (m)
305.2	125.5
83.7	170.8
145.9	282.2
570.1	Infinita

ECUADOR96 CSAMT EST-057

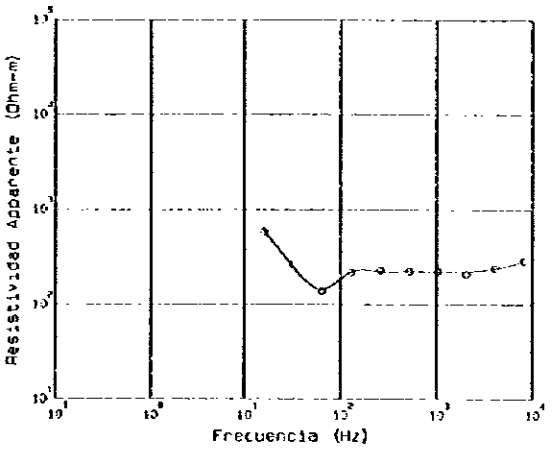


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	315	321
4096	355	328
2048	316	311
1024	282	272
512	232	228
256	203	194
128	173	173
64	146	155
32	172	189
16	312	362

MODELO

Rho (Ohm-m)	Espesor (m)
303.9	195.9
109.3	269.5
224.8	306.9
579.4	Infinito

ECUADOR96 CSAMT EST-058

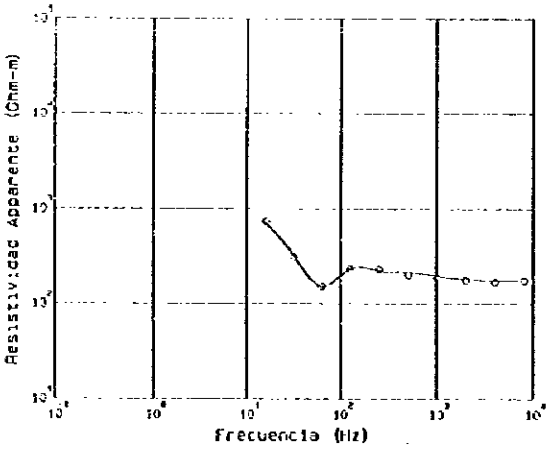


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	287	281
4096	241	233
2048	210	220
1024	223	217
512	224	222
256	228	220
128	217	217
64	139	142
32	263	255
16	596	612

MODELO

Rho (Ohm-m)	Espesor (m)
553.0	34.7
147.2	67.4
259.3	832.3
1013.9	Infinito

ECUADOR96 CSAMT EST-059

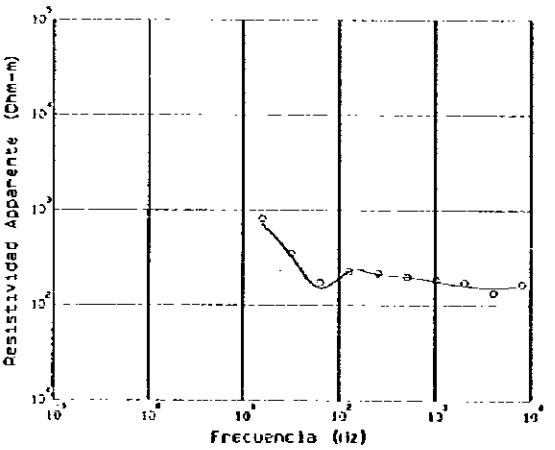


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	176	176
4096	170	175
2048	177	183
1024	159	197
512	201	214
256	229	221
128	233	233
64	152	151
32	311	323
16	736	710

MODELO

Rho (Ohm-m)	Espesor (m)
160.5	103.6
264.4	814.9
1305.0	Infinito

ECUADOR96 CSAMT EST-060

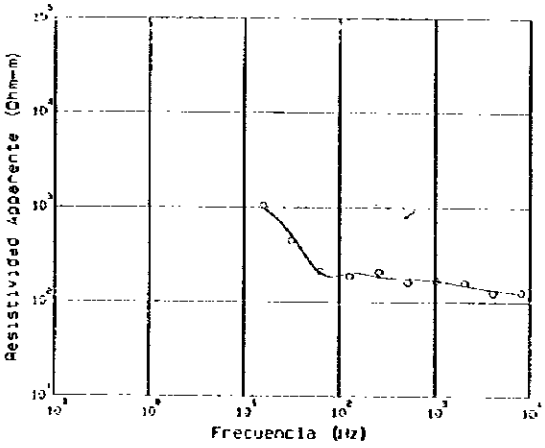


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	155	158
4096	135	152
2048	174	159
1024	166	176
512	199	197
256	218	208
128	226	226
64	173	150
32	359	331
16	812	712

MODELO

Rho (Ohm-m)	Espesor (m)
302.5	11.6
108.8	77.1
258.0	835.0
1315.0	Infinito

ECUADOR96 CSAMT EST-061

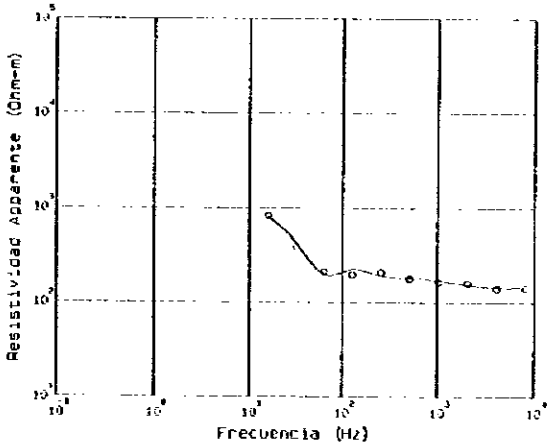


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	127	125
4096	125	133
2048	159	149
1024	163	167
512	161	175
256	209	184
128	197	201
64	212	202
32	455	511
16	1344	992

MODELO

Res (Ohm-m)	Espesor (m)
190.1	63.4
248.0	478.1
1359.0	Infinita

ECUADOR96 CSAMT EST-062

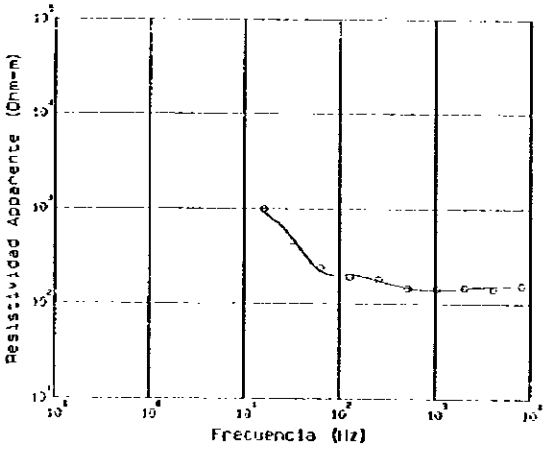


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	142	141
4096	141	143
2048	150	153
1024	155	163
512	179	180
256	203	190
128	197	221
64	211	250
32	359	430
16	850	797

MODELO

Res (Ohm-m)	Espesor (m)
180.4	91.7
261.8	472.6
1964.1	Infinita

ECUADOR96 CSAMT EST-063

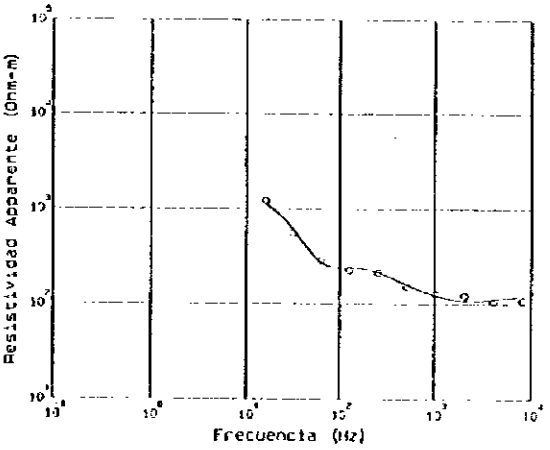


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	156	153
4096	142	153
2048	148	146
1024	144	139
512	143	149
256	182	175
128	192	203
64	243	220
32	458	500
16	930	916

MODELO

Res (Ohm-m)	Espesor (m)
193.2	235.0
688.0	830.5
1165.2	Infinita

ECUADOR96 CSAMT EST-064

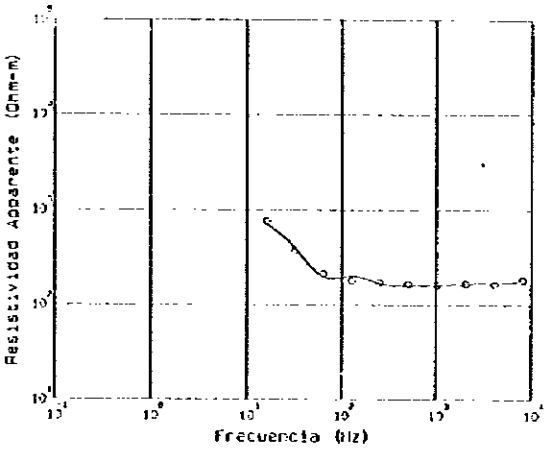


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	109	113
4096	107	111
2048	122	108
1024	123	123
512	153	159
256	213	215
128	228	237
64	286	273
32	555	613
16	1215	1133

MODELO

Res (Ohm-m)	Espesor (m)
109.1	530.0
745.9	1473.0
1952.5	Infinita

ECUADOR96 CSAMT EST-065

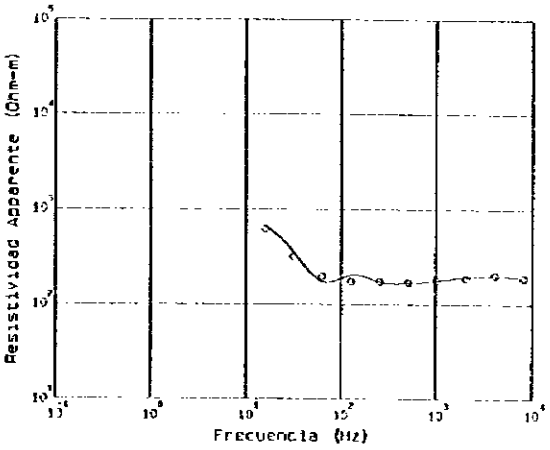


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	167	175
4096	156	173
2048	158	170
1024	162	162
512	166	151
256	173	171
128	191	202
64	214	199
32	371	435
16	767	724

MODELO

Resistividad (Ohm-m)	Espesor (m)
170.2	26.0
197.2	200.6
292.5	251.6
538.7	Infinito

ECUADOR96 CSAMT EST-066

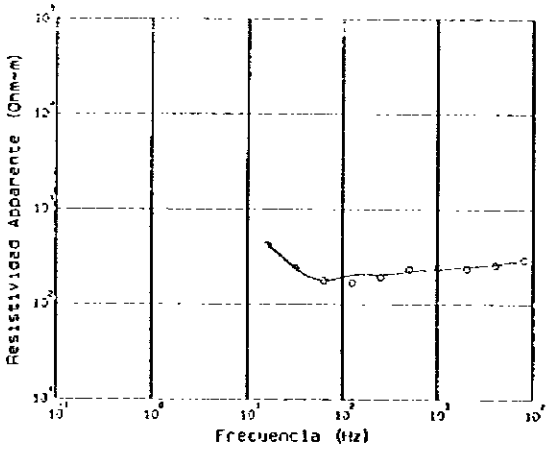


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	190	193
4096	192	197
2048	193	194
1024	179	175
512	170	169
256	175	174
128	195	204
64	199	173
32	319	361
16	620	676

MODELO

Resistividad (Ohm-m)	Espesor (m)
192.9	164.9
139.1	329.9
498.0	698.0
896.5	Infinito

ECUADOR96 CSAMT EST-067

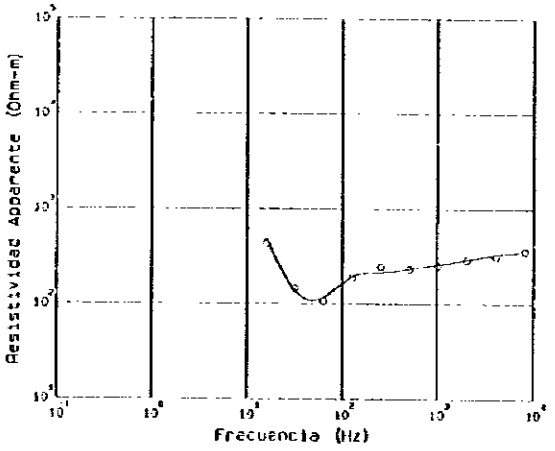


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	293	287
4096	253	265
2048	238	243
1024	242	234
512	233	220
256	193	204
128	193	204
64	177	178
32	241	243
16	418	429

MODELO

Resistividad (Ohm-m)	Espesor (m)
319.9	50.5
269.2	580.6
519.2	657.2
562.9	Infinito

ECUADOR96 CSAMT EST-068

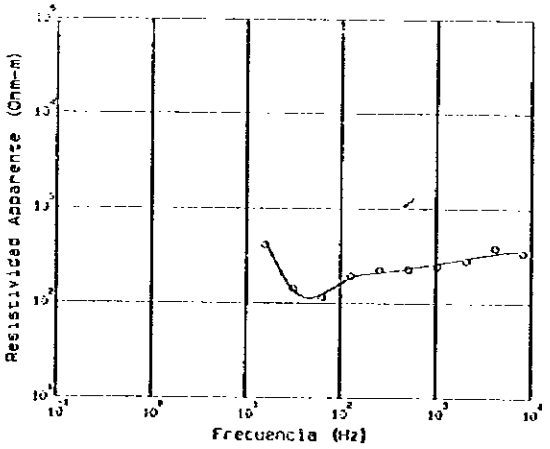


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	359	352
4096	314	326
2048	293	290
1024	252	257
512	231	232
256	246	213
128	159	131
64	107	115
32	145	139
16	470	488

MODELO

Resistividad (Ohm-m)	Espesor (m)
341.1	96.1
169.4	765.5
138.5	91.7
367.0	Infinito

ECUADOR96 CSAMT EST-069

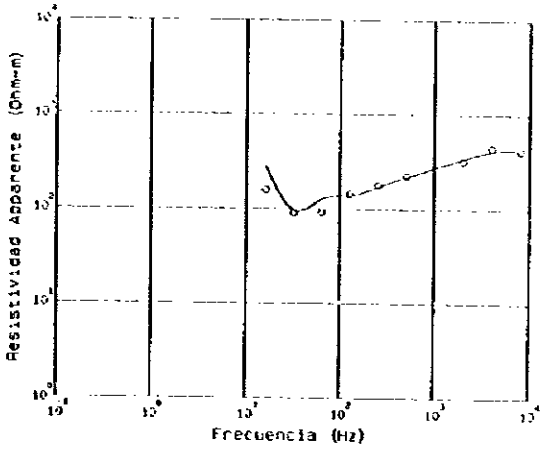


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
3152	353	358
4096	302	333
2048	260	295
1024	246	259
512	227	231
256	223	205
128	174	184
64	115	172
32	143	136
16	469	457

MODELO

Resistividad (Ohm-m)	Espesor (m)
395.8	61.7
411.3	33.3
163.2	500.8
171.6	300.6
2,983.7	Infinito

ECUADOR96 CSAMT EST-070

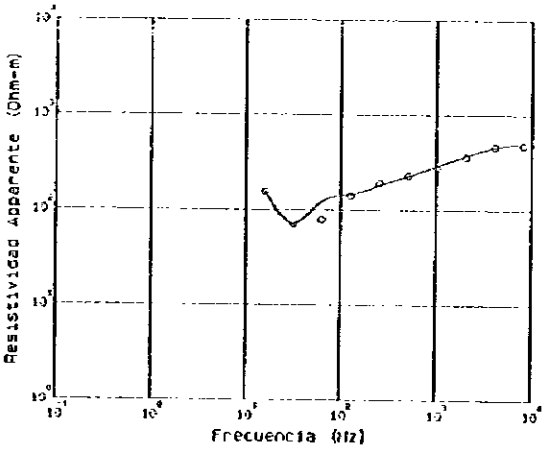


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
6132	416	428
4096	443	408
2048	324	341
1024	263	272
512	224	217
256	177	170
128	144	137
64	92.4	126
32	50.8	95.4
16	150	283

MODELO

Resistividad (Ohm-m)	Espesor (m)
263.7	40.6
420.7	103.9
103.6	443.0
473.0	324.0
1039.0	Infinita

ECUADOR96 CSAMT EST-071

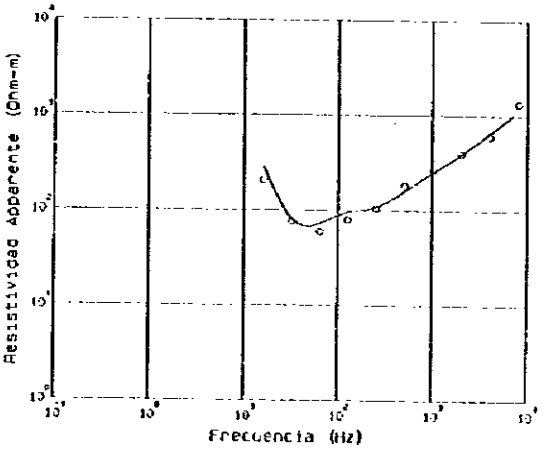


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
6132	480	505
4096	462	453
2048	363	376
1024	273	291
512	223	228
256	132	183
128	141	145
64	79.2	122
32	71.9	72.6
16	154	154

MODELO

Resistividad (Ohm-m)	Espesor (m)
458.9	126.0
97.7	697.0
163.0	316.0
921.0	Infinita

ECUADOR96 CSAMT EST-072

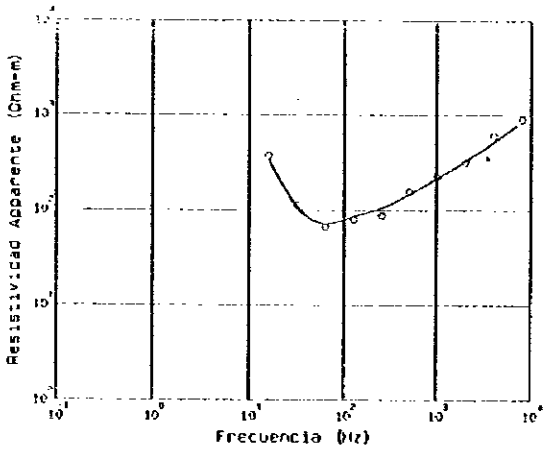


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	1342	1134
4096	693	696
2048	395	396
1024	267	269
512	192	189
256	195	197
128	73.2	96.7
64	59.4	72.2
32	76.7	80.6
16	265	285

MODELO

Resistividad (Ohm-m)	Espesor (m)
550.0	115.5
46.4	213.0
496.0	485.0
1,546.0	Infinita

ECUADOR96 CSAMT EST-073

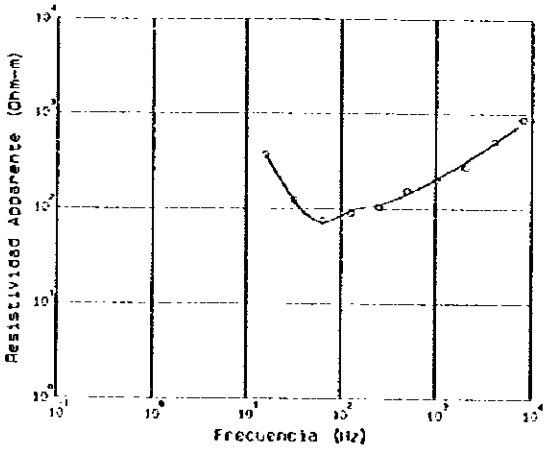


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	662	671
4096	610	520
2048	321	328
1024	224	217
512	156	147
256	87.7	105
128	73.4	65.5
64	65.7	71.5
32	113	109
16	373	341

MODELO

Rho (Ohm-m)	Espesor (m)
5010.0	35.9
56.1	216.0
417.0	400.0
1763.9	Infinita

ECUADOR96 CSAMT EST-074

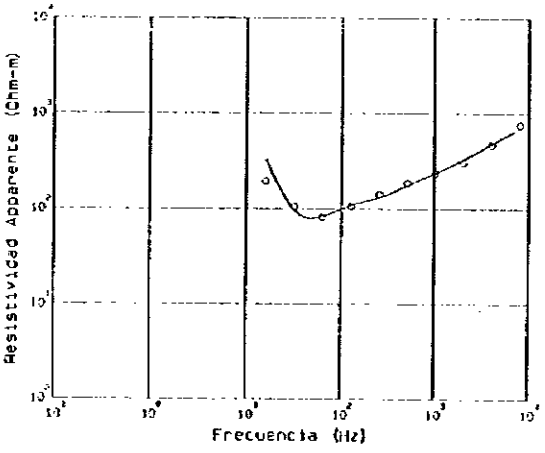


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	823	819
4096	504	433
2048	273	313
1024	202	205
512	154	142
256	103	139
128	33.2	34.4
64	74.4	71.6
32	124	122
16	362	375

MODELO

Rho (Ohm-m)	Espesor (m)
5018.4	91.7
57.9	183.6
238.6	409.9
1247.9	Infinita

ECUADOR96 CSAMT EST-075

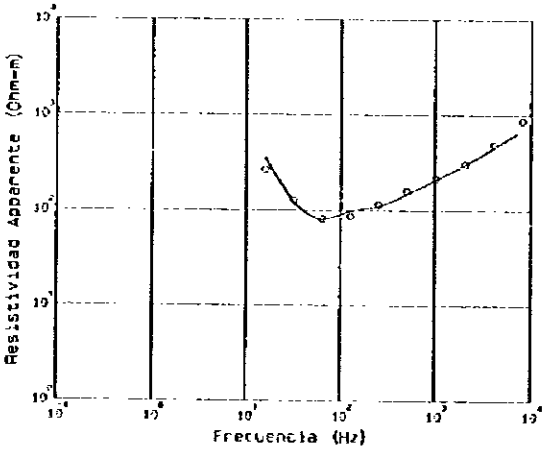


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	759	708
4096	473	482
2048	306	330
1024	256	237
512	156	126
256	142	131
128	106	108
64	81.4	82.4
32	105	96.8
16	195	333

MODELO

Rho (Ohm-m)	Espesor (m)
364.0	96.7
77.7	354.7
403.6	461.0
1188.0	Infinita

ECUADOR96 CSAMT EST-076

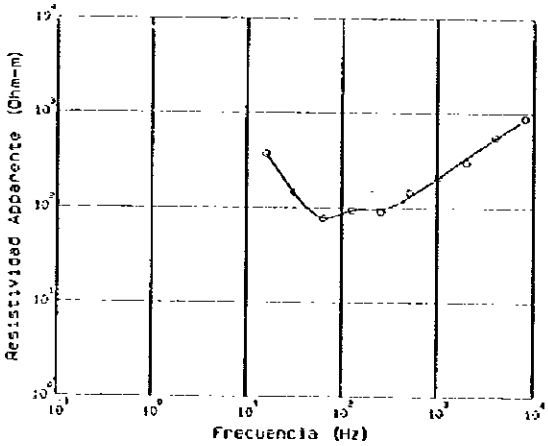


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	875	724
4096	453	353
2048	306	301
1024	216	208
512	159	146
256	115	139
128	66.4	97.1
64	80.7	83.1
32	127	123
16	205	356

MODELO

Rho (Ohm-m)	Espesor (m)
1316.2	90.5
84.7	243.0
436.5	473.0
1154.0	Infinita

ECUADOR96 CSAMT EST-077

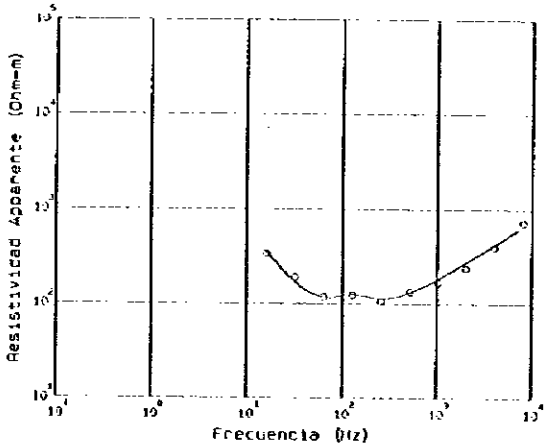


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	857	868
4096	556	543
2048	300	337
1024	210	207
512	145	131
256	99.4	95.4
128	94.0	94.0
64	77.6	77.4
32	145	142
16	372	372

MODELO

Rho (Ohm-m)	Espesor (m)
1249.8	111.7
40.2	110.5
415.7	309.5
398.0	Infinita

ECUADOR96 CSAMT EST-078

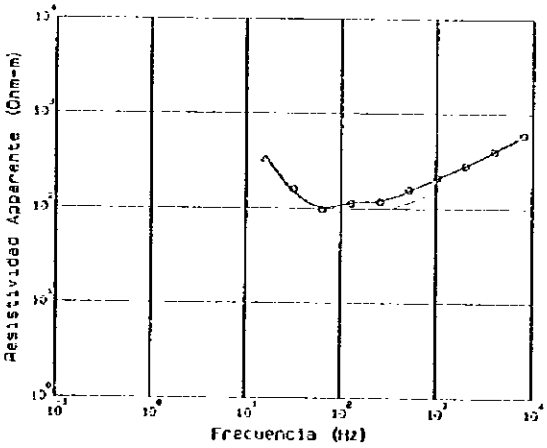


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	770	662
4096	328	418
2048	249	273
1024	157	152
512	133	131
256	107	113
128	124	124
64	119	117
32	131	169
16	341	357

MODELO

Rho (Ohm-m)	Espesor (m)
3015.0	79.8
69.2	136.0
450.0	538.0
616.1	Infinita

ECUADOR96 CSAMT EST-079

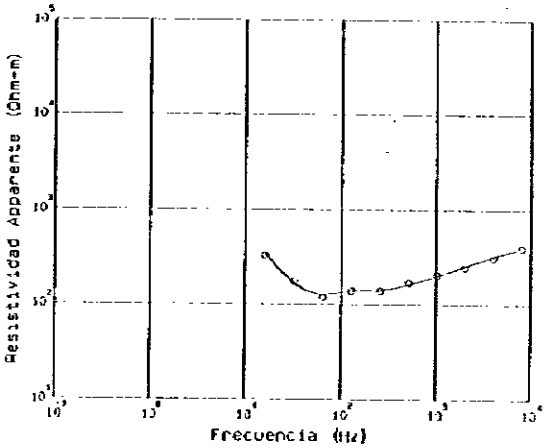


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	533	589
4096	397	430
2048	282	282
1024	212	208
512	157	153
256	119	130
128	113	113
64	97.2	102
32	159	150
16	323	354

MODELO

Rho (Ohm-m)	Espesor (m)
1938.9	73.8
82.7	298.2
608.2	597.8
737.7	Infinita

ECUADOR96 CSAMT EST-080

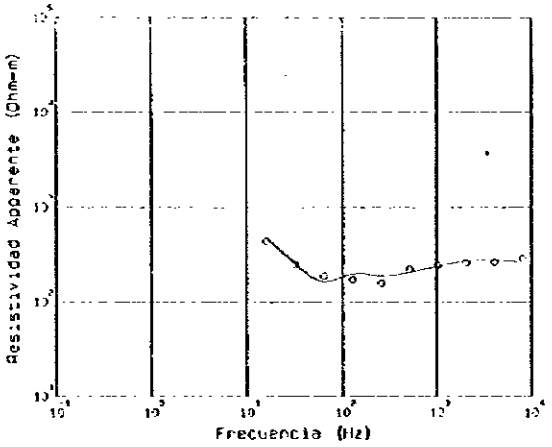


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	354	388
4096	311	320
2048	243	253
1024	206	200
512	170	163
256	139	141
128	138	138
64	119	127
32	176	157
16	329	317

MODELO

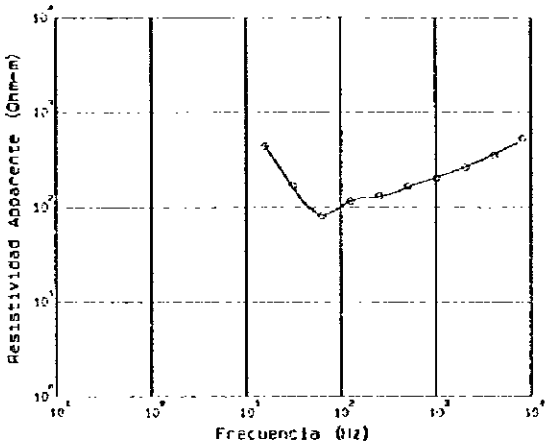
Rho (Ohm-m)	Espesor (m)
335.1	81.7
302.1	203.4
154.9	301.5
682.7	Infinita

ECUADOR96 CSAMT EST-081



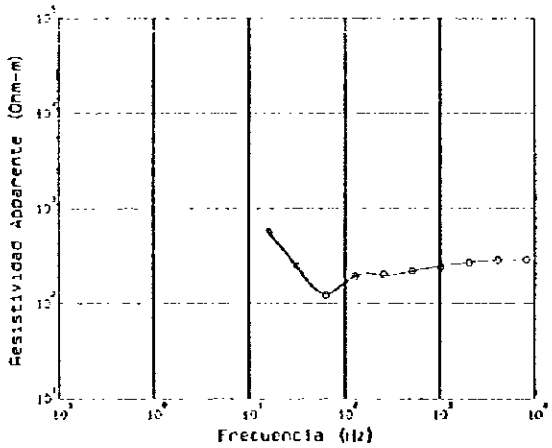
Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODELO Resist. (Ohm-m)	MODELO Espesor (m)
8192	287	266		
4096	263	275		
2048	250	270	202.2	108.9
1024	244	233		
512	223	206	173.1	156.0
256	150	159		
128	172	138	361.3	509.1
64	147	164		
32	250	255	675.0	Infinito
16	437	420		

ECUADOR96 CSAMT EST-082



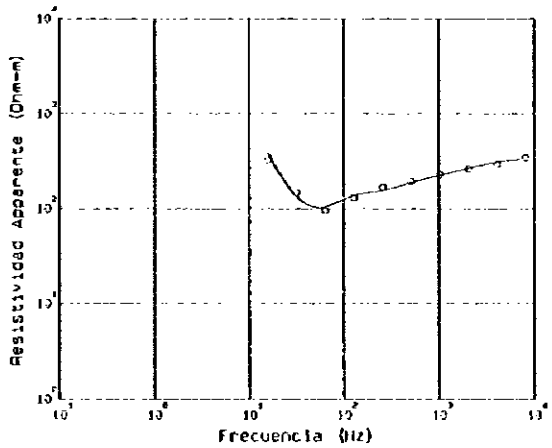
Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODELO Resist. (Ohm-m)	MODELO Espesor (m)
8192	533	518		
4096	354	361		
2048	264	265	911.9	70.0
1024	203	205		
512	187	153	37.0	304.0
256	132	128		
128	116	116	452.4	290.1
64	81.3	82.0		
32	103	160	1338.4	Infinito
16	433	456		

ECUADOR96 CSAMT EST-083



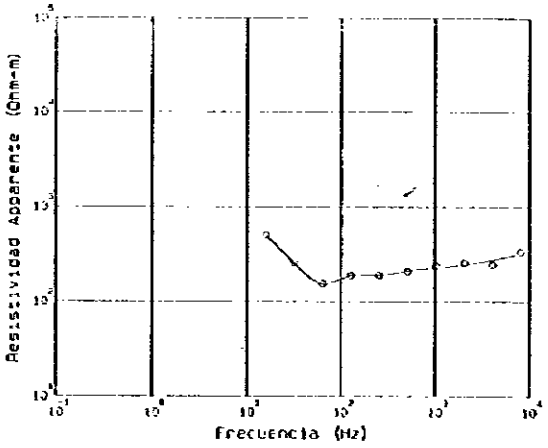
Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODELO Resist. (Ohm-m)	MODELO Espesor (m)
8192	283	293		
4096	287	266		
2048	270	270	273.7	122.3
1024	244	235		
512	213	220	168.5	304.3
256	202	150		
128	145	135	304.3	495.2
64	124	126		
32	245	241	1311.9	Infinito
16	562	579		

ECUADOR96 CSAMT EST-084



Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)	MODELO Resist. (Ohm-m)	MODELO Espesor (m)
8192	345	333		
4096	291	308		
2048	263	266	317.3	104.3
1024	228	224		
512	195	193	115.3	495.3
256	163	155		
128	132	137	526.7	373.2
64	95.4	134		
32	148	134	1161.1	Infinito
16	323	383		

ECUADOR96 CSAMT EST-085

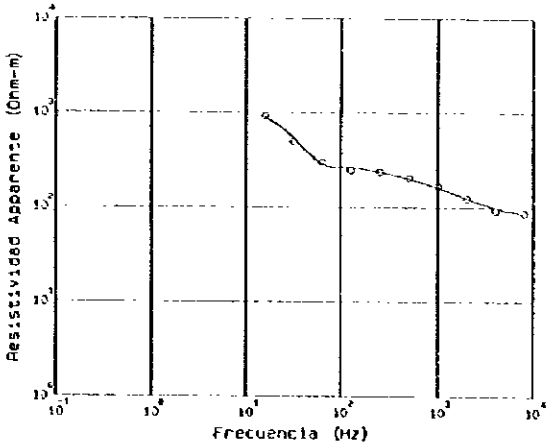


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	335	323
4096	245	274
2048	256	244
1024	233	226
512	208	209
256	189	190
128	188	183
64	155	155
32	256	252
16	533	505

MODELO

Resistividad (Ohm-m)	Espesor (m)
217.7	31.0
165.6	46.5
107.7	527.0
97.8	Infinito

ECUADOR96 CSAMT EST-086

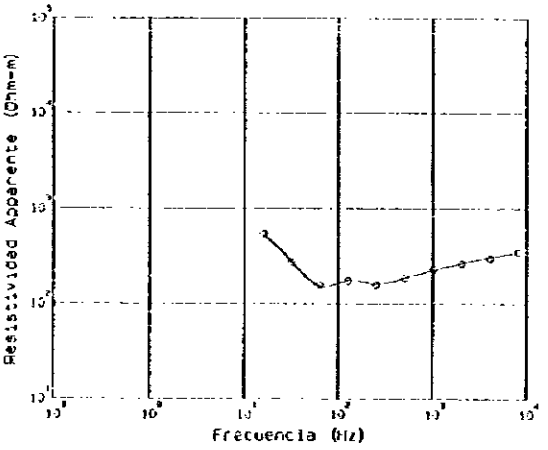


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	66.8	65.2
4096	91.8	97.8
2048	124	124
1024	166	166
512	201	198
256	235	231
128	246	262
64	250	284
32	434	536
16	917	833

MODELO

Resistividad (Ohm-m)	Espesor (m)
92.6	53.6
442.5	825.2
505.2	Infinito

ECUADOR96 CSAMT EST-087

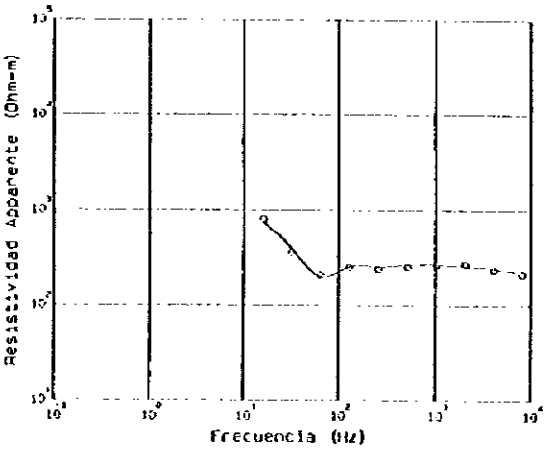


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	347	315
4096	302	308
2048	265	266
1024	230	226
512	187	188
256	159	163
128	175	175
64	159	153
32	275	262
16	549	531

MODELO

Resistividad (Ohm-m)	Espesor (m)
313.8	83.4
150.4	375.6
801.3	610.8
703.1	Infinito

ECUADOR96 CSAMT EST-088

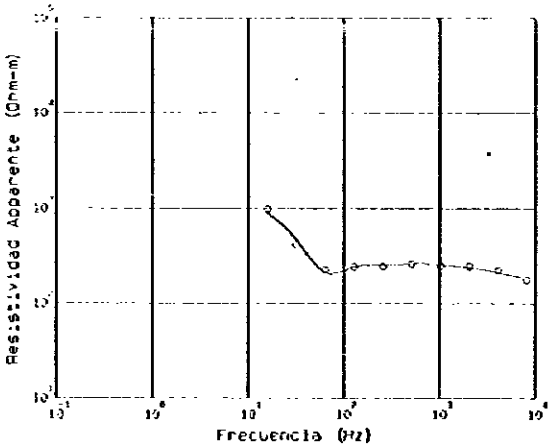


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	214	217
4096	238	241
2048	271	256
1024	258	265
512	257	266
256	242	253
128	252	252
64	216	201
32	363	350
16	750	733

MODELO

Resistividad (Ohm-m)	Espesor (m)
170.7	30.7
509.1	15.4
274.5	633.4
372.6	Infinito

ECUADOR96 CSAMT EST-089

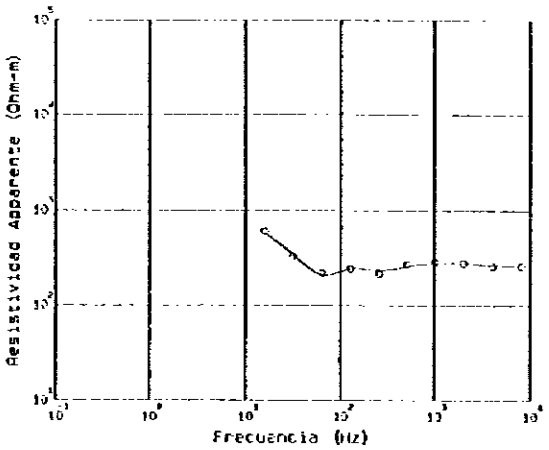


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	177	182
4096	221	213
2048	245	233
1024	240	256
512	259	251
256	246	251
128	243	243
64	224	213
32	413	475
16	983	837

MODELO

Rho (Ohm-m)	Espesor (m)
138.4	30.4
547.0	52.0
293.0	695.0
1343.3	Infinito

ECUADOR96 CSAMT EST-090

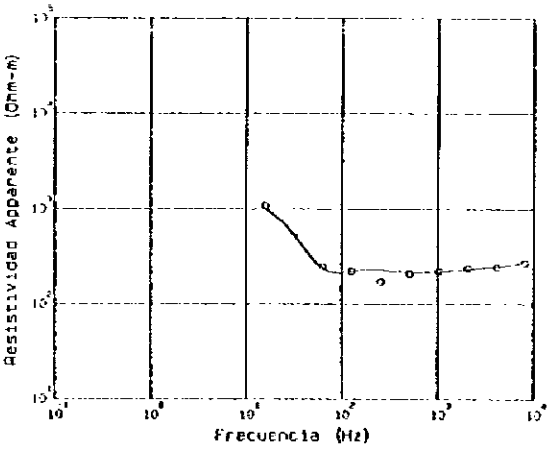


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	259	257
4096	258	263
2048	277	277
1024	276	278
512	271	256
256	215	233
128	241	241
64	219	212
32	353	311
16	609	583

MODELO

Rho (Ohm-m)	Espesor (m)
261.9	152.8
293.2	44.5
130.4	313.5
695.1	Infinito

ECUADOR96 CSAMT EST-091

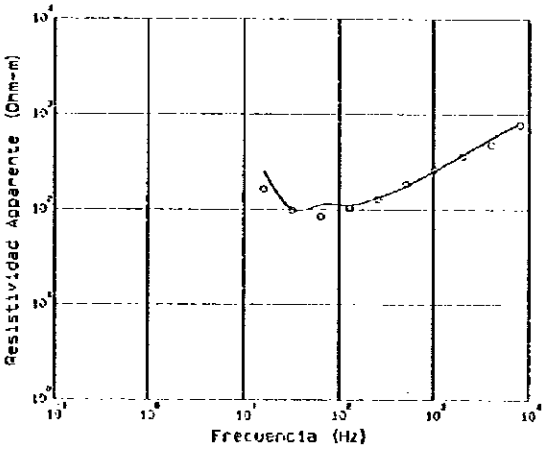


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	271	269
4096	245	250
2048	258	232
1024	221	220
512	211	219
256	173	227
128	222	222
64	249	239
32	510	545
16	1285	1010

MODELO

Rho (Ohm-m)	Espesor (m)
314.7	27.6
266.7	274.8
401.1	473.6
1340.1	Infinito

ECUADOR96 CSAMT EST-092

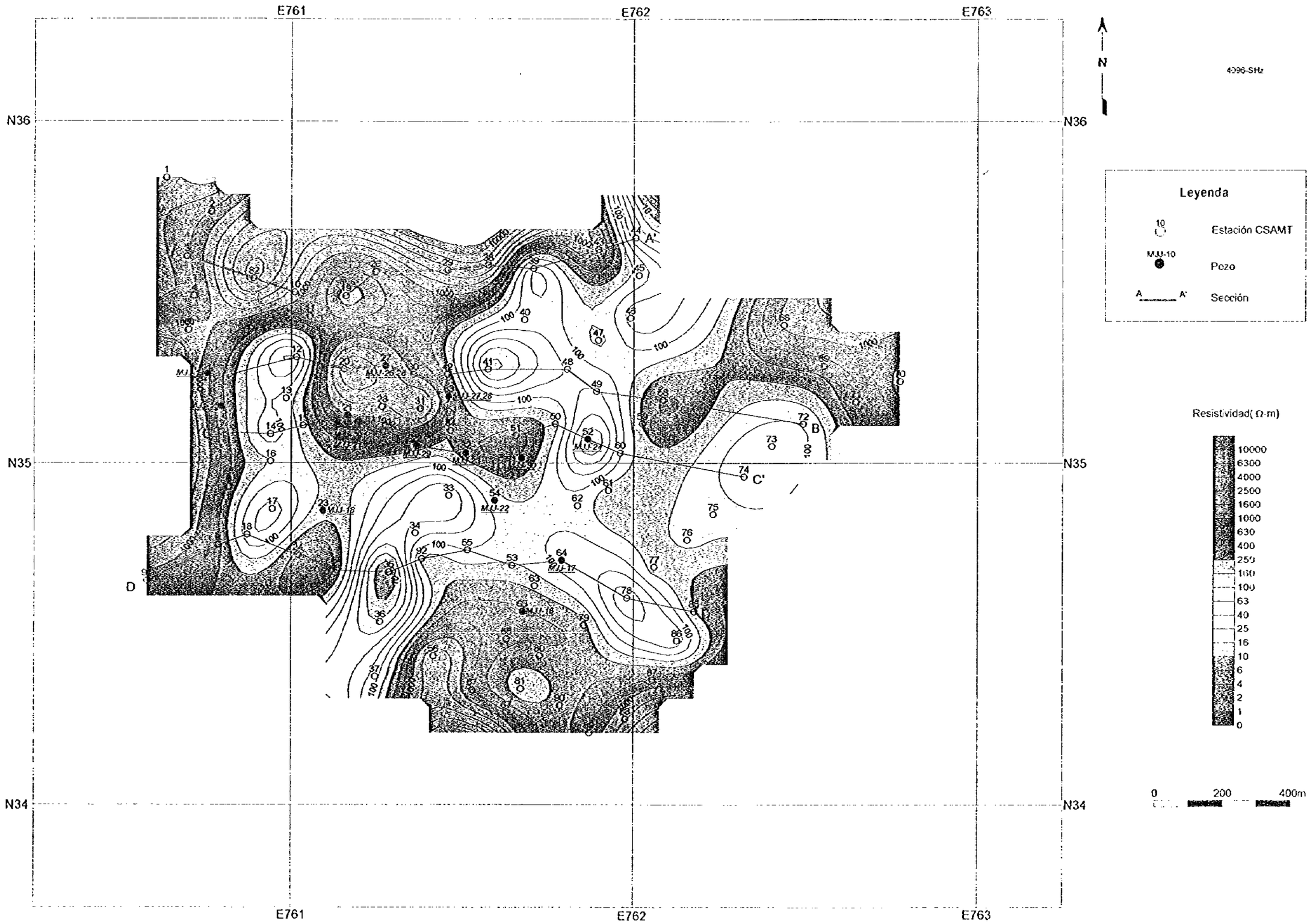


Frec. (Hz)	Obs. (Ohm-m)	Cal. (Ohm-m)
8192	782	847
4096	481	553
2048	364	370
1024	262	252
512	184	173
256	129	132
128	103	110
64	84.4	112
32	99.1	159
16	155	257

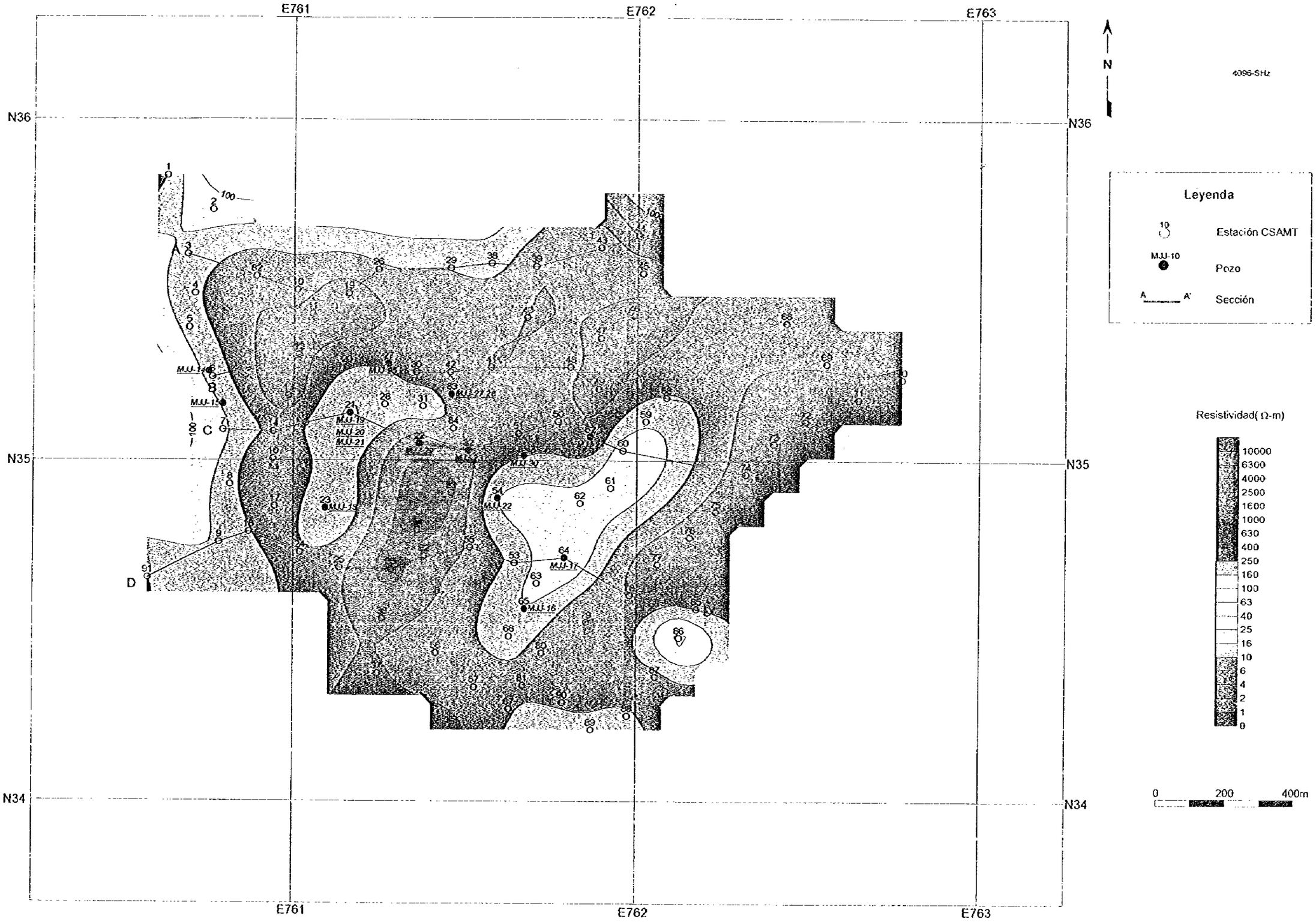
MODELO

Rho (Ohm-m)	Espesor (m)
1409.9	133.9
69.2	276.3
258.1	498.1
698.0	Infinito

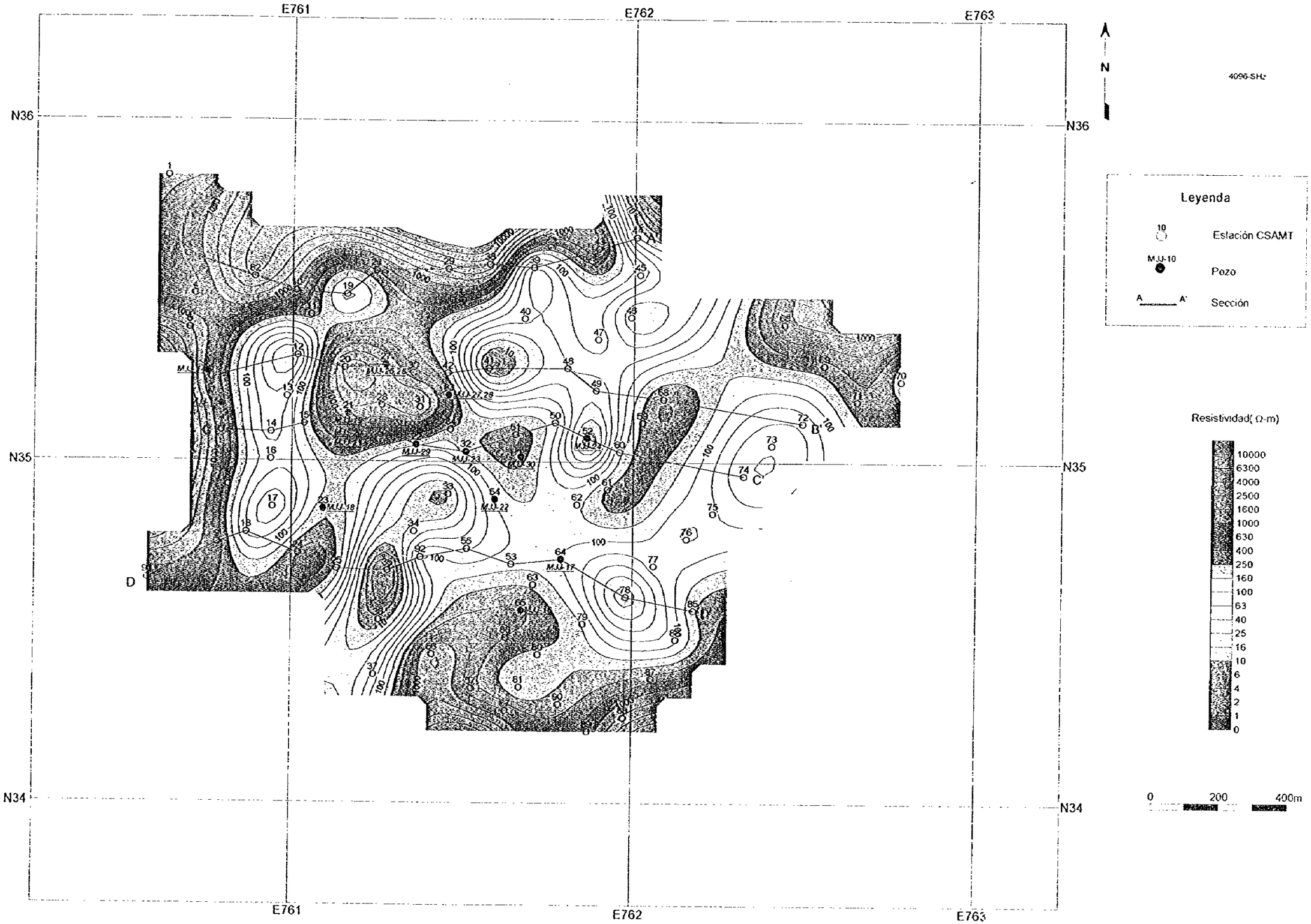
Apéndice 13 Mapa en plano de resistividad aparente
(previo al corrimiento estático a 4096Hz)
Apéndice 14 Mapa en plano de resistividad aparente
(después del corrimiento estático a 4096Hz)
Apéndice 15 Mapa en plano de resistividad aparente
(previo al corrimiento estático a 1024Hz)
Apéndice 16 Mapa en plano de resistividad aparente
(después del corrimiento estático a 1024Hz)
Apéndice 17 Mapa en plano de resistividad aparente
(previo al corrimiento estático a 256Hz)
Apéndice 18 Mapa en plano de resistividad aparente
(después del corrimiento estático a 256Hz)



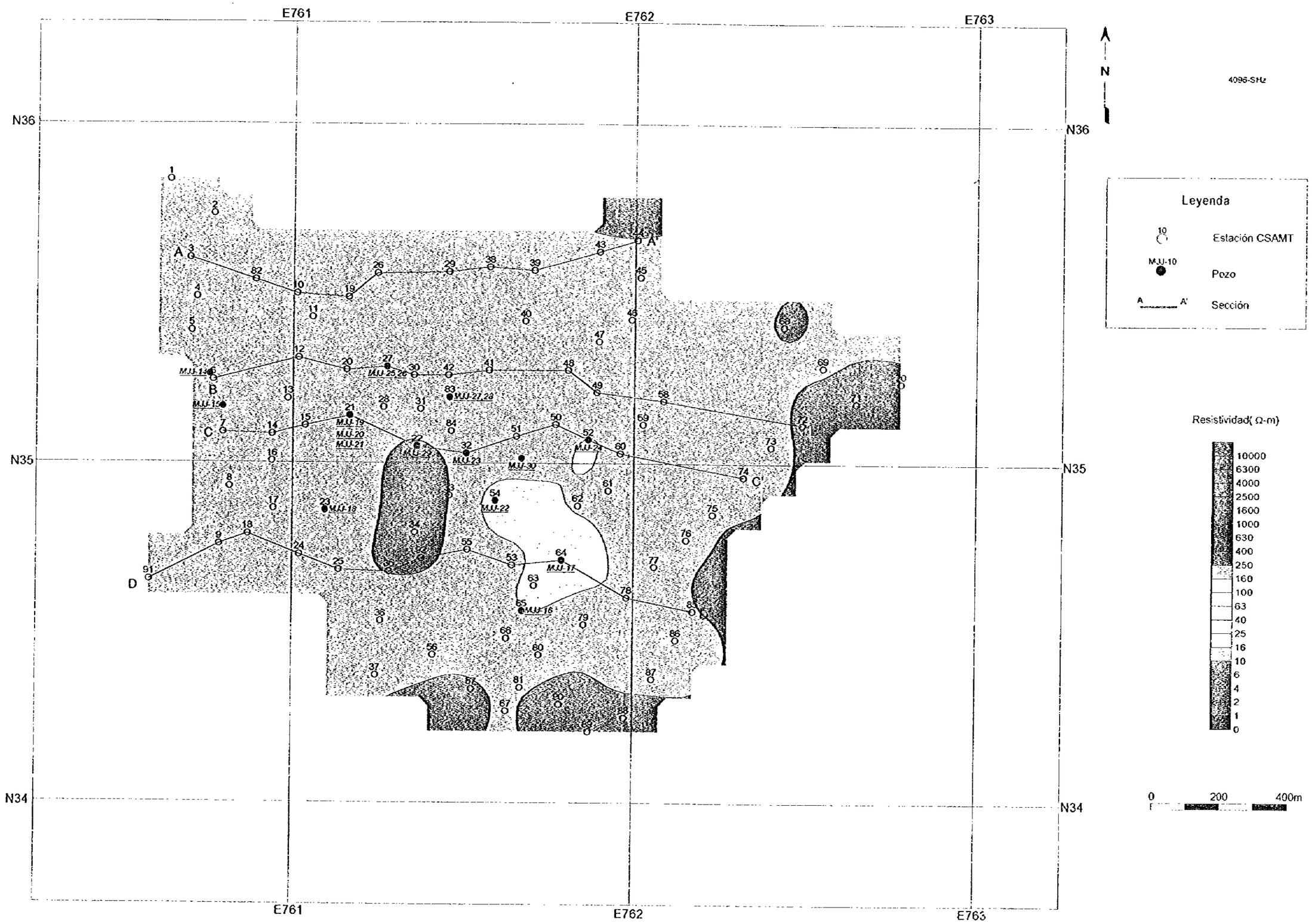
Apéndice 13 Mapa en plano de resistividad aparente(previo al corrimiento estático a 4096Hz)



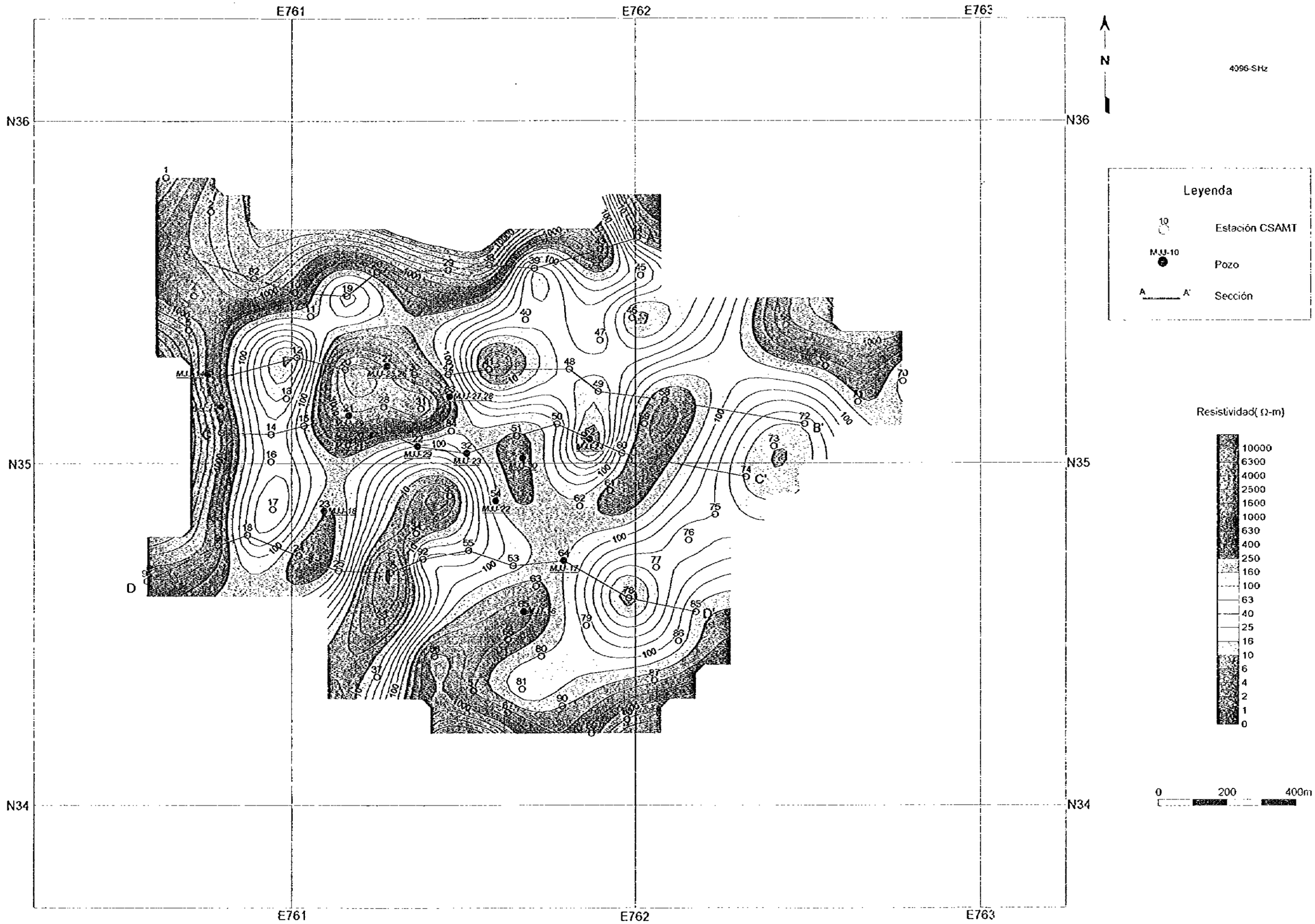
Apéndice 14 Mapa en plano de resistividad aparente(después del corrimiento estático a 4096Hz)



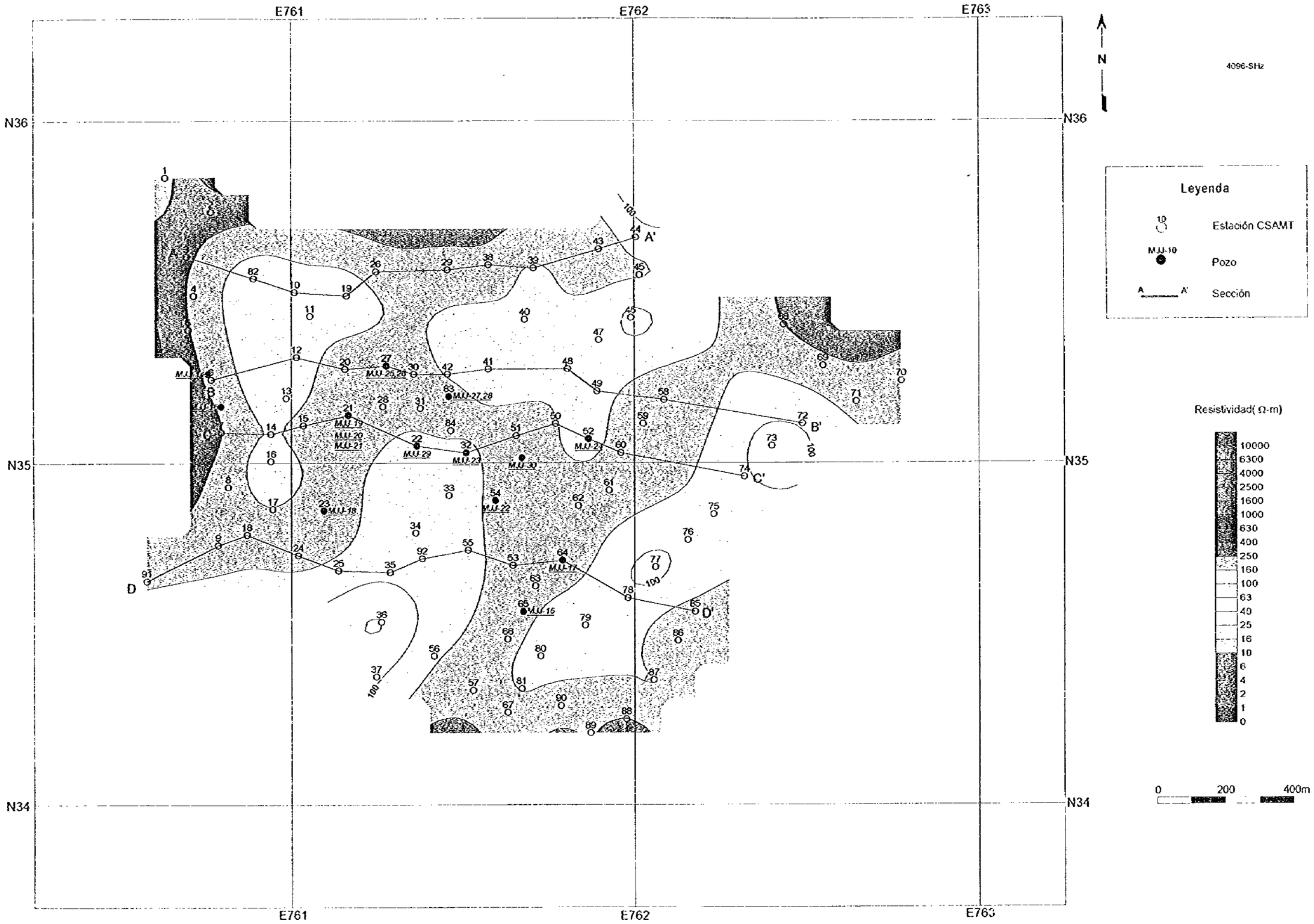
Apéndice 15 Mapa en plano de resistividad aparente(previo al corrimiento estático a 1024Hz)



Apéndice 16 Mapa en plano de resistividad aparente(después del corrimiento estático a 1024Hz)

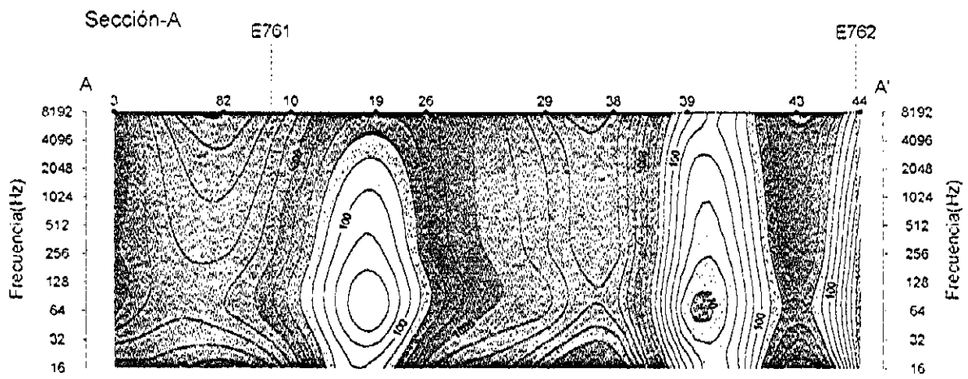


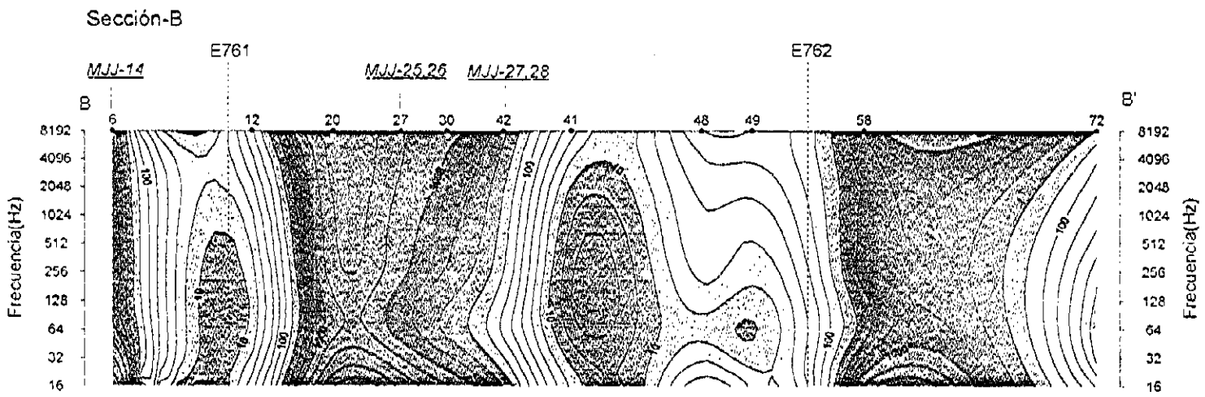
Apéndice 17 Mapa en plano de resistividad aparente(previo al corrimiento estático a 256Hz)

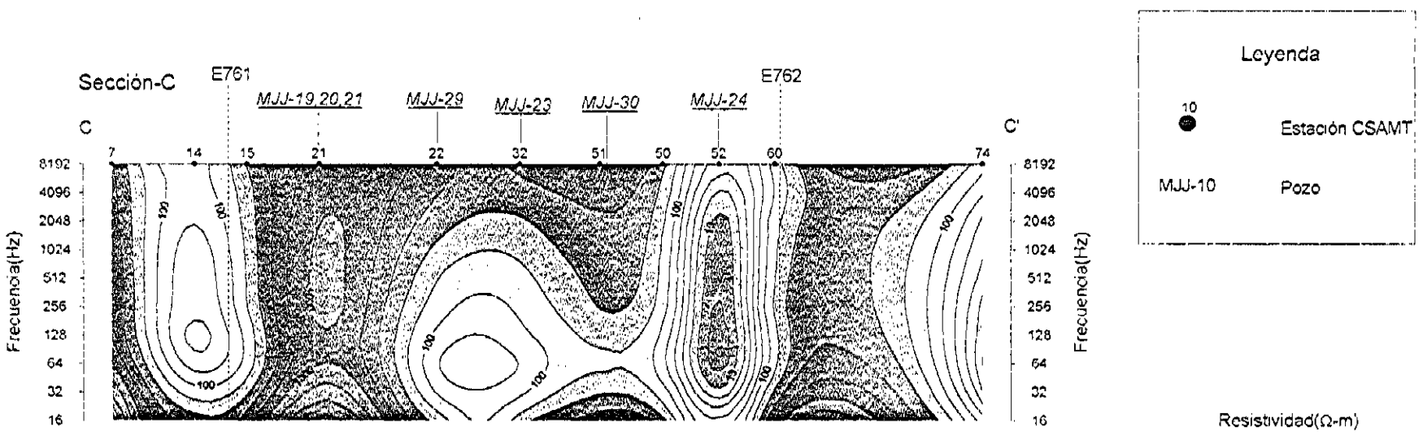


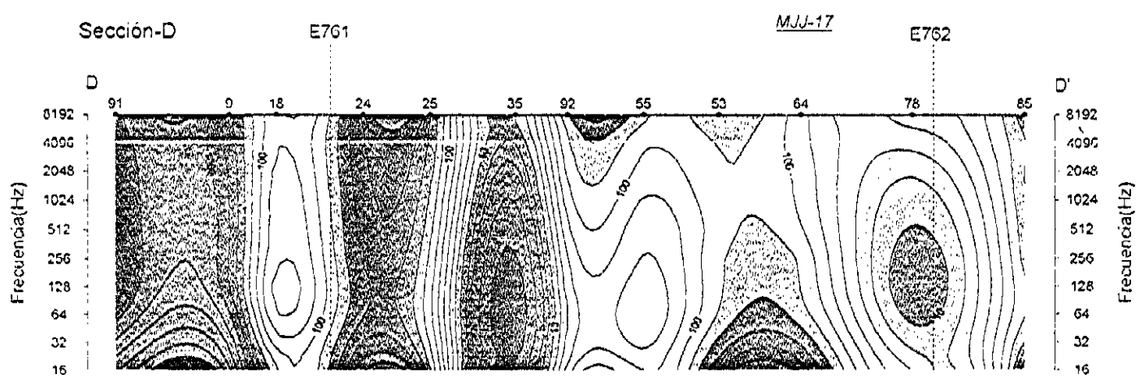
Apéndice 18 Mapa en plano de resistividad aparente(después del corrimiento estático a 256Hz)

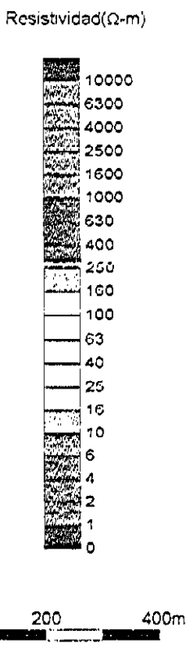
Apéndice 19 Secciones de resistividad aparente

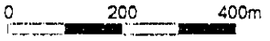








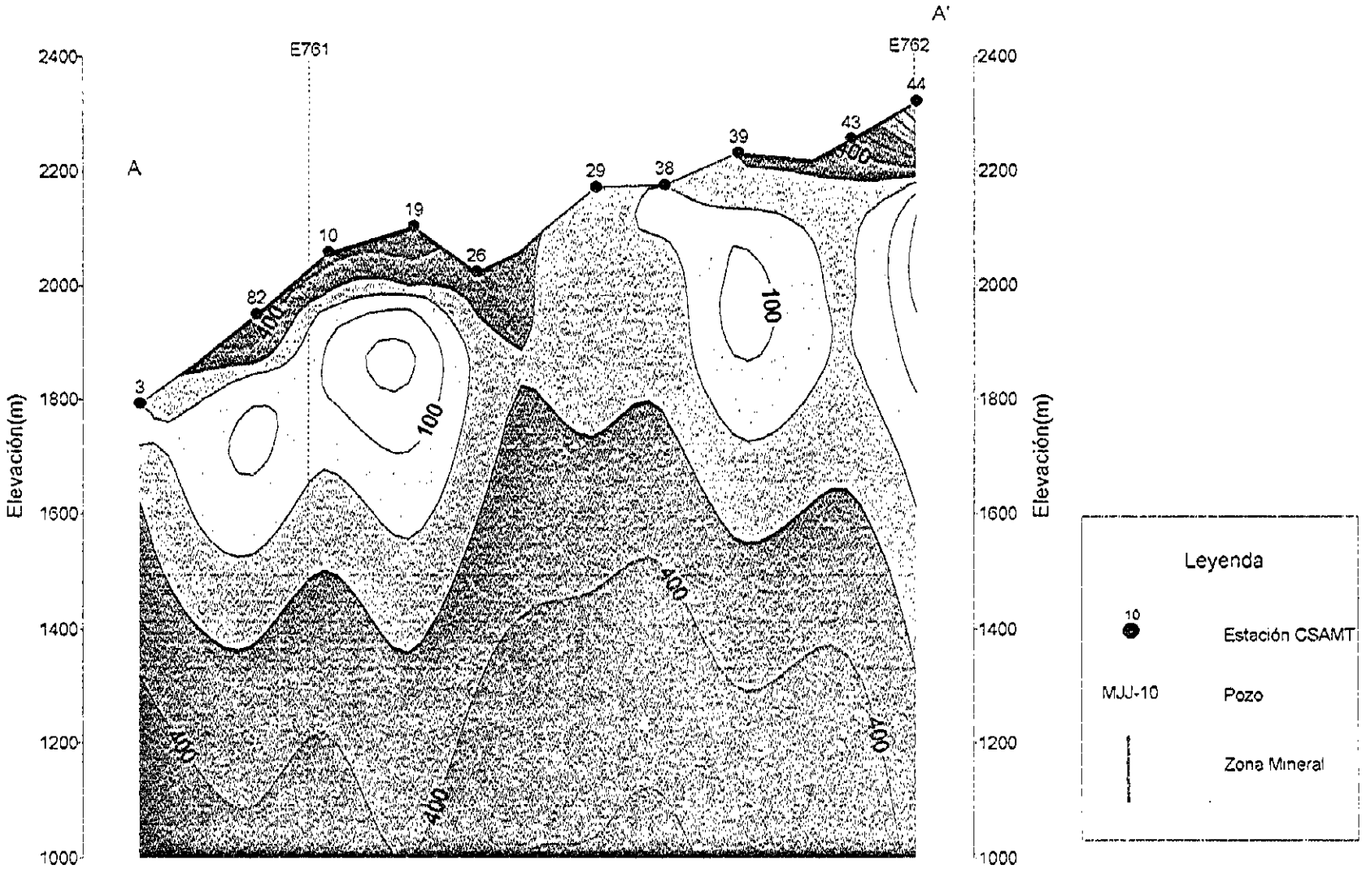




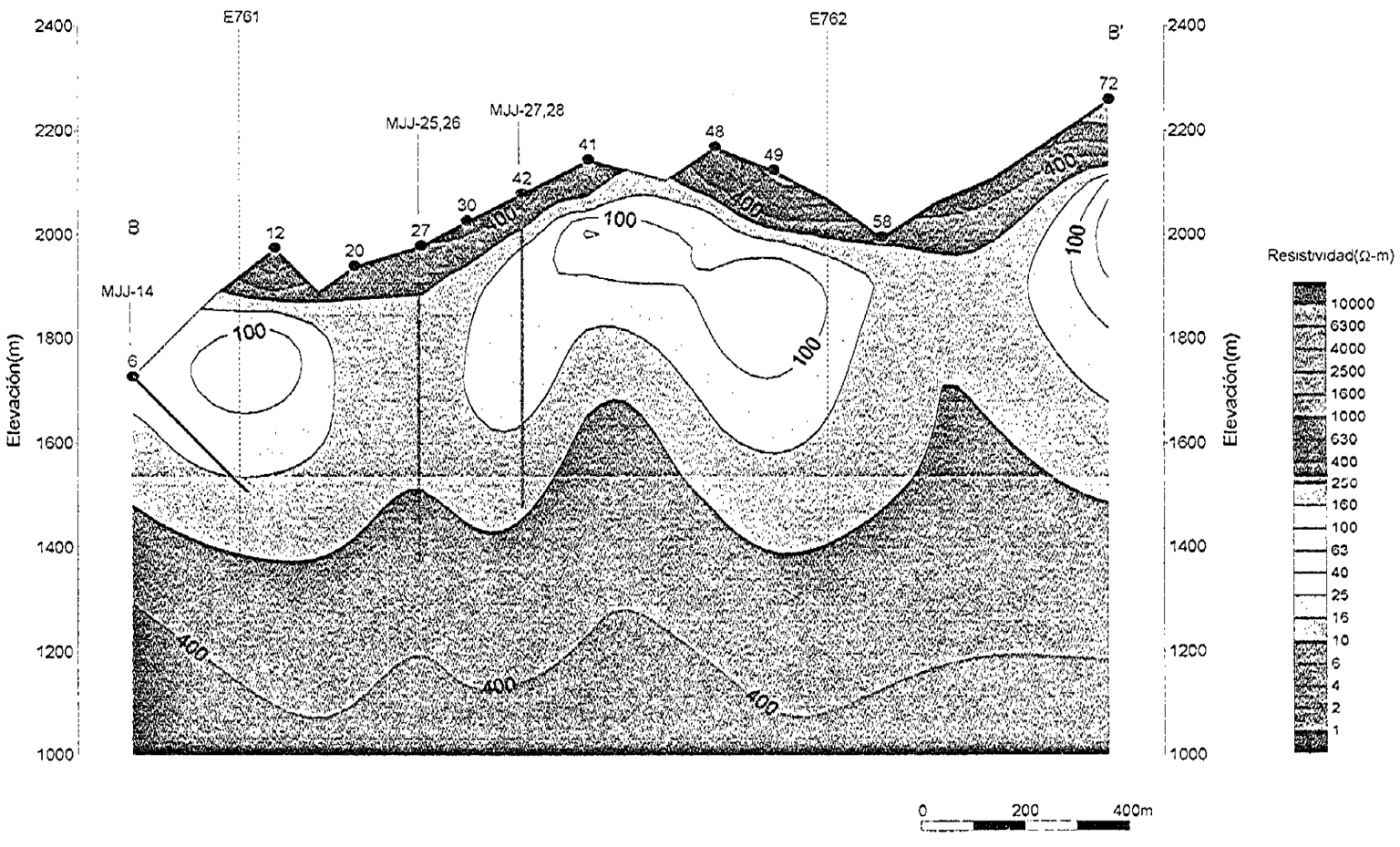
Apéndice 19 Secciones de resistividad aparente

Apéndice 20 Resistividad analizada en 1-D (Secciones A y B)
Apéndice 21 Resistividad analizada en 1-D (Secciones C y D)

Sección-A

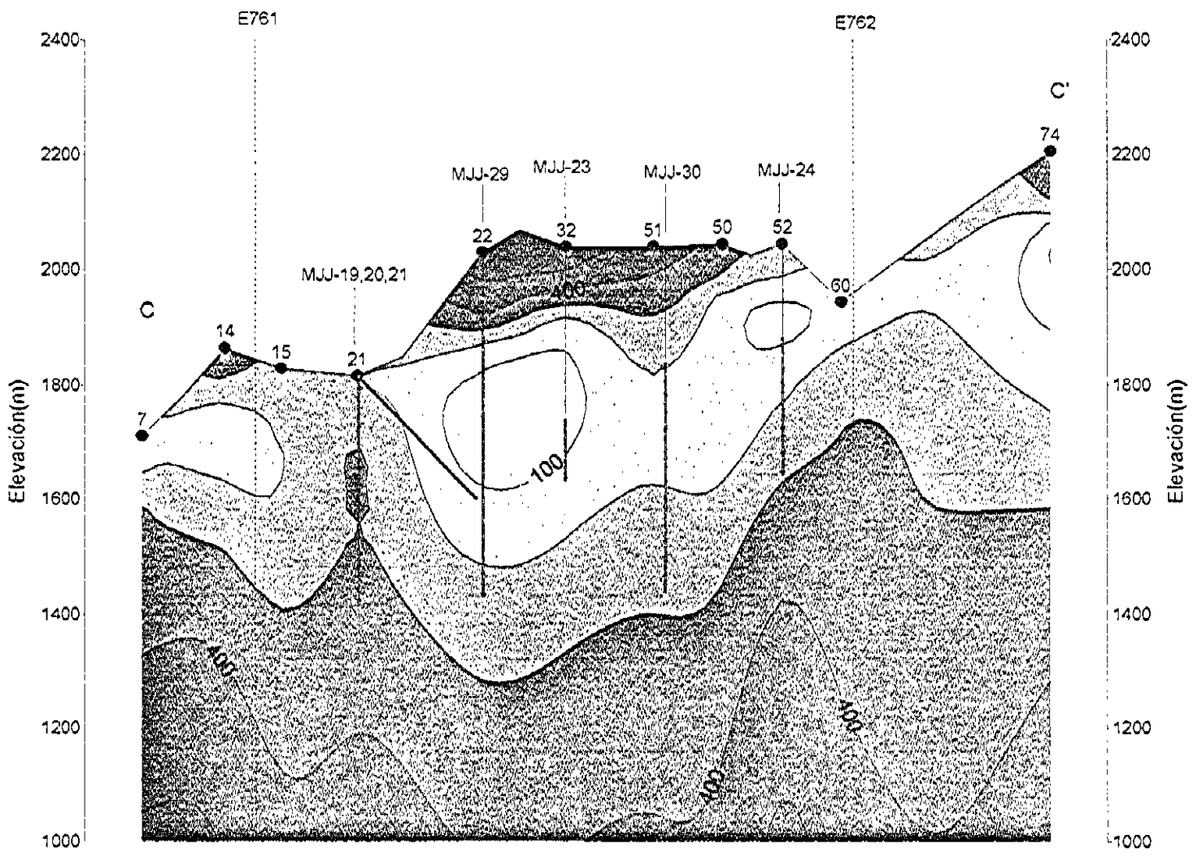


Sección-B

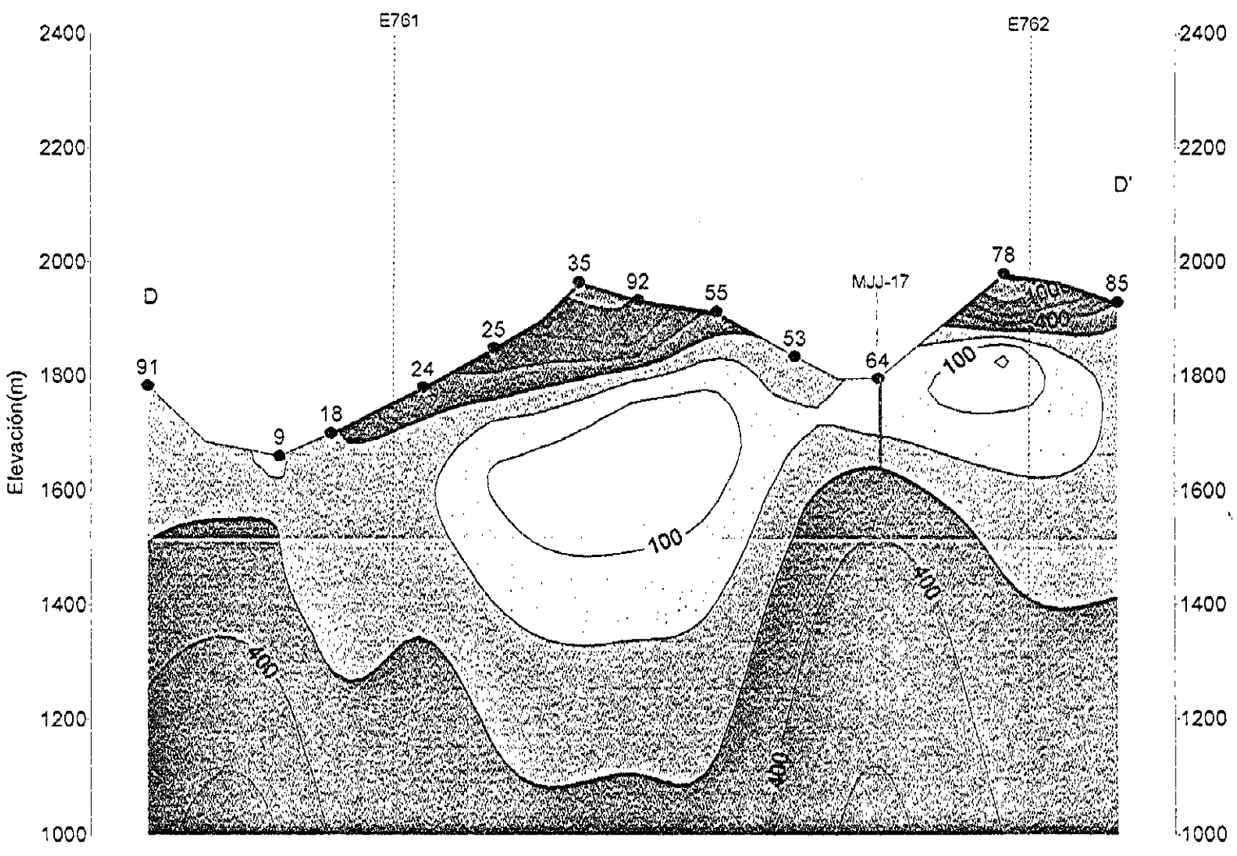


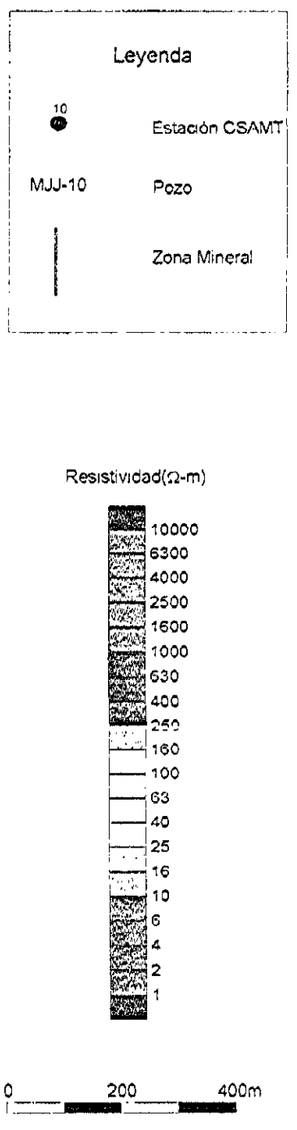
Apéndice 20 Resistividad analizada en 1-D (Secciones A y B)

Sección-C



Sección-D





Apéndice 21 Resistividad analizada en 1-D (Secciones C y D)