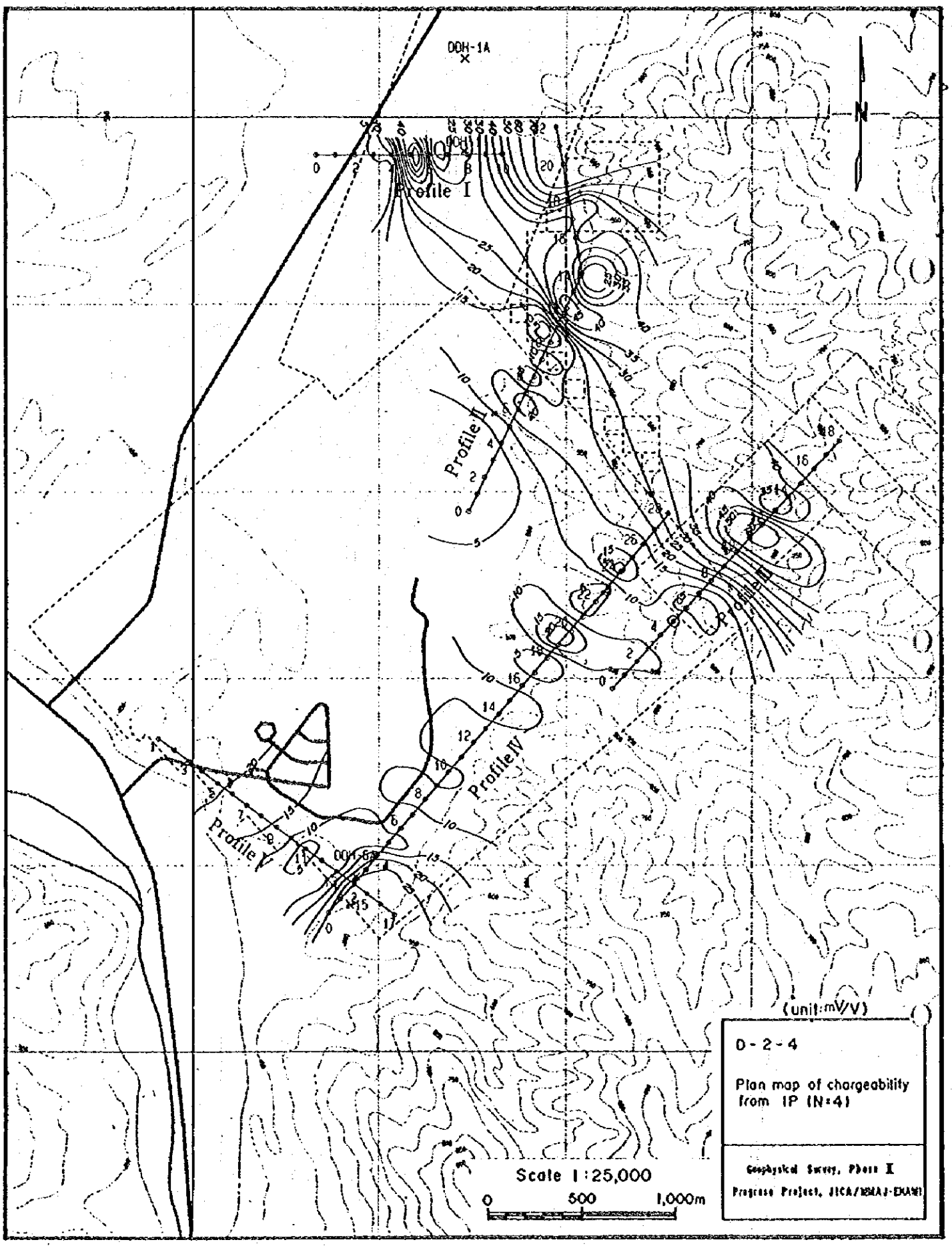

DDH-1A
DDH-6
Profile I
Profile II
Profile III
Profile IV
Profile V
N
(unit:mV/V)
D-2-4
Plan map of chargeability from IP (N=4)
Geophysical Survey, Phase II
Progress Project, JICA/MMAJ-EXAMI
Scale 1:25,000
0
500
1,000m

Appendix D-3(1) List of the observed IP data from profile I

* Current Electrodes : 700 - 800
Frequency : 0.125[Hz] Current : 210[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω・m]	Chargeability [mV/V]
1	900 - 1000	19.28	173.08	3.20

* Current Electrodes : 600 - 700
Frequency : 0.125[Hz] Current : 120[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω・m]	Chargeability [mV/V]
1	800 - 900	11.11	174.57	3.23
2	900 - 1000	2.30	144.40	2.68

* Current Electrodes : 500 - 600
Frequency : 0.125[Hz] Current : 280[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω・m]	Chargeability [mV/V]
1	700 - 800	26.58	178.95	3.43
2	800 - 900	4.50	121.08	4.69
3	900 - 1000	1.80	121.53	13.49

* Current Electrodes : 400 - 500
Frequency : 0.125[Hz] Current : 280[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω・m]	Chargeability [mV/V]
1	600 - 700	31.63	212.95	3.55
2	700 - 800	3.75	100.98	6.35
3	800 - 900	1.22	82.13	9.73
4	900 - 1000	0.82	109.96	22.29

* Current Electrodes : 300 - 400
Frequency : 0.125[Hz] Current : 240[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω・m]	Chargeability [mV/V]
1	500 - 600	26.54	208.46	3.35
2	600 - 700	3.14	98.59	5.33
3	700 - 800	0.81	63.37	12.39
4	800 - 900	0.49	77.58	13.56

* Current Electrodes : 200 - 300
Frequency : 0.125[Hz] Current : 210[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω・m]	Chargeability [mV/V]
1	400 - 500	19.75	177.32	4.23
2	500 - 600	3.19	114.39	6.15
3	600 - 700	0.68	61.15	18.21
4	700 - 800	0.36	65.01	67.09

Appendix D-3(2) List of the observed IP data from profile I

* Current Electrodes : 100 - 200
Frequency : 0.125[Hz] Current : 300[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω ·m]	Chargeability [mV/V]
1	300 - 400	31.39	197.26	2.89
2	400 - 500	3.88	97.54	8.21
3	500 - 600	1.20	75.57	12.31
4	600 - 700	0.47	58.69	2.79

* Current Electrodes : 0 - 100
Frequency : 0.125[Hz] Current : 640[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω ·m]	Chargeability [mV/V]
1	200 - 300	93.63	275.75	3.88
2	300 - 400	12.48	146.96	6.36
3	400 - 500	2.89	85.01	8.45
4	500 - 600	1.54	91.00	6.35

Appendix D-3(3) List of the observed IP data from profile II

* Current Electrodes : 800 - 900
Frequency : 0.125[Hz] Current : 200[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω · m]	Chargeability [mV/V]
1	1000 - 1100	3.01	28.33	1.73
2	1100 - 1200	0.00	0.00	0.00
3	1200 - 1300	0.00	0.00	0.00
4	1300 - 1400	0.00	0.00	0.00

* Current Electrodes : 700 - 800
Frequency : 0.125[Hz] Current : 100[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω · m]	Chargeability [mV/V]
1	900 - 1000	0.59	11.12	1.54
2	1000 - 1100	0.41	31.12	20.17
3	1100 - 1200	0.00	0.00	0.00
4	1200 - 1300	0.00	0.00	0.00

* Current Electrodes : 600 - 700
Frequency : 0.125[Hz] Current : 110[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω · m]	Chargeability [mV/V]
1	800 - 900	0.28	7.43	8.23
2	900 - 1000	0.14	14.52	6.65
3	1000 - 1100	0.09	23.15	18.95
4	1100 - 1200	0.00	0.00	0.00

* Current Electrodes : 500 - 600
Frequency : 0.125[Hz] Current : 800[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω · m]	Chargeability [mV/V]
1	700 - 800	4.87	11.47	1.31
2	800 - 900	1.25	11.75	3.42
3	900 - 1000	0.75	17.70	6.85
4	1000 - 1100	0.91	42.97	3.37

* Current Electrodes : 400 - 500
Frequency : 0.125[Hz] Current : 500[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω · m]	Chargeability [mV/V]
1	600 - 700	2.77	10.46	3.61
2	700 - 800	0.71	10.69	6.59
3	800 - 900	0.48	18.25	12.09
4	900 - 1000	0.41	30.87	22.81

Appendix D-3(4) List of the observed IP data from profile II

* Current Electrodes : 300 - 400
Frequency : 0.125[Hz] Current : 700[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	500 - 600	2.74	7.38	3.43
2	600 - 700	0.91	9.83	1.10
3	700 - 800	0.53	14.36	9.46
4	800 - 900	0.48	26.06	18.65

* Current Electrodes : 200 - 300
Frequency : 0.125[Hz] Current : 1000[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	400 - 500	3.73	7.04	3.82
2	500 - 600	1.20	9.05	3.74
3	600 - 700	0.64	12.07	5.94
4	700 - 800	0.45	17.13	7.85

* Current Electrodes : 100 - 200
Frequency : 0.125[Hz] Current : 1200[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	300 - 400	5.14	8.07	2.39
2	400 - 500	1.39	8.73	3.36
3	500 - 600	0.63	9.88	1.04
4	600 - 700	0.40	12.56	5.51

* Current Electrodes : 0 - 100
Frequency : 0.125[Hz] Current : 1500[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	200 - 300	12.40	15.59	5.51
2	300 - 400	2.65	13.31	1.63
3	400 - 500	1.14	14.28	2.74
4	500 - 600	0.65	16.29	0.71

* Current Electrodes : 1100 - 1200
Frequency : 0.125[Hz] Current : 120[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	900 - 1000	3.15	49.43	13.14
2	800 - 900	0.52	32.94	8.28
3	700 - 800	0.16	25.27	14.14
4	600 - 700	0.09	28.21	20.67

* Current Electrodes : 1200 - 1300
Frequency : 0.125[Hz] Current : 200[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1000 - 1100	9.44	88.93	11.13
2	900 - 1000	1.82	68.44	18.74
3	800 - 900	0.54	51.31	19.91
4	700 - 800	0.21	40.35	6.09

Appendix D-3(5) List of the observed IP data from profile II.

* Current Electrodes : 1300 - 1400
Frequency : 0.125[Hz] Current : 44[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1100 - 1200	2.04	87.47	13.47
2	1000 - 1100	1.29	220.54	20.78
3	900 - 1000	0.36	152.51	22.60
4	800 - 900	0.13	114.92	8.03

* Current Electrodes : 1400 - 1500
Frequency : 0.125[Hz] Current : 50[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1200 - 1300	3.08	120.83	20.87
2	1100 - 1200	0.69	114.30	34.00
3	1000 - 1100	0.63	265.92	53.90
4	900 - 1000	0.23	197.72	48.57

* Current Electrodes : 1500 - 1600
Frequency : 0.125[Hz] Current : 100[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1300 - 1400	10.41	204.35	13.76
2	1200 - 1300	1.79	125.42	37.61
3	1100 - 1200	0.57	97.01	44.72
4	1000 - 1100	0.57	154.17	39.21

* Current Electrodes : 1600 - 1700
Frequency : 0.125[Hz] Current : 32[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1400 - 1500	2.47	145.60	16.29
2	1300 - 1400	0.74	191.46	28.18
3	1200 - 1300	0.20	106.05	38.92
4	1100 - 1200	0.08	78.04	26.35

* Current Electrodes : 1700 - 1800
Frequency : 0.125[Hz] Current : 56[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1500 - 1600	4.16	140.17	14.74
2	1400 - 1500	1.75	236.03	29.03
3	1300 - 1400	0.70	265.92	35.78
4	1200 - 1300	0.22	105.22	34.35

* Current Electrodes : 1800 - 1900
Frequency : 0.125[Hz] Current : 84[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1600 - 1700	5.64	126.56	9.81
2	1500 - 1600	1.99	178.99	32.96
3	1400 - 1500	1.11	249.21	38.20
4	1300 - 1400	0.59	306.41	40.70

Appendix D-3(6) List of the observed IP data from profile II

* Current Electrodes : 1900 - 2000
Frequency : 0.125[Hz] Current : 44[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω・m]	Chargeability [mV/V]
1	1700 - 1800	2.18	93.35	17.58
2	1600 - 1700	0.73	125.24	30.16
3	1500 - 1600	0.35	151.42	39.54
4	1400 - 1500	0.25	216.05	32.94

* Current Electrodes : 2000 - 2100
Frequency : 0.125[Hz] Current : 78[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω・m]	Chargeability [mV/V]
1	1800 - 1900	4.38	105.89	45.00
2	1700 - 1800	1.31	126.92	65.66
3	1600 - 1700	0.57	137.15	67.78
4	1500 - 1600	0.33	157.39	39.78

* Current Electrodes : 2100 - 2200
Frequency : 0.125[Hz] Current : 300[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω・m]	Chargeability [mV/V]
1	1900 - 2000	9.13	57.37	65.62
2	1800 - 1900	2.45	61.51	71.10
3	1700 - 1800	1.20	75.06	77.39
4	1600 - 1700	0.68	85.84	78.35

Appendix D-3(7) List of the observed IP data from profile III

* Current Electrodes : 1500 - 1600
Frequency : 0.125[Hz] Current : 240[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1700 - 1800	212.95	1672.50	17.06

* Current Electrodes : 1400 - 1500
Frequency : 0.125[Hz] Current : 38[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1600 - 1700	8.46	419.72	27.47
2	1700 - 1800	6.22	1233.19	27.73

* Current Electrodes : 1300 - 1400
Frequency : 0.125[Hz] Current : 44[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1500 - 1600	15.02	643.30	27.96
2	1600 - 1700	1.85	316.12	43.03
3	1700 - 1800	1.80	770.58	38.66

* Current Electrodes : 1200 - 1300
Frequency : 0.125[Hz] Current : 120[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1400 - 1500	30.27	475.44	29.31
2	1500 - 1600	10.94	687.55	22.84
3	1600 - 1700	2.08	327.00	36.76
4	1700 - 1800	2.09	657.38	43.87

* Current Electrodes : 1100 - 1200
Frequency : 0.125[Hz] Current : 110[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1300 - 1400	33.36	571.64	22.91
2	1400 - 1500	9.61	658.97	31.98
3	1500 - 1600	4.19	718.54	23.41
4	1600 - 1700	0.89	305.68	35.79

* Current Electrodes : 1000 - 1100
Frequency : 0.125[Hz] Current : 100[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1200 - 1300	52.92	997.50	15.09
2	1300 - 1400	11.36	856.82	30.36
3	1400 - 1500	4.00	753.90	36.75
4	1500 - 1600	2.06	777.69	30.97

Appendix D-3(8) List of the observed IP data from profile III

* Current Electrodes : 900 - 1000
Frequency : 0.125[Hz] Current : 40[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1100 - 1200	25.31	1192.59	48.76
2	1200 - 1300	9.07	1710.56	24.08
3	1300 - 1400	2.15	1014.06	37.44
4	1400 - 1500	0.91	853.49	61.91

* Current Electrodes : 800 - 900
Frequency : 0.125[Hz] Current : 74[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1000 - 1100	5.36	136.58	2.05
2	1100 - 1200	2.21	225.23	12.07
3	1200 - 1300	1.08	275.85	22.65
4	1300 - 1400	0.30	153.79	62.42

* Current Electrodes : 700 - 800
Frequency : 0.125[Hz] Current : 44[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	900 - 1000	4.44	190.19	7.64
2	1000 - 1100	2.40	411.41	8.16
3	1100 - 1200	1.05	449.67	22.08
4	1200 - 1300	0.56	476.50	40.22

* Current Electrodes : 600 - 700
Frequency : 0.125[Hz] Current : 40[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	800 - 900	1.42	66.73	0.03
2	900 - 1000	2.12	399.70	12.92
3	1000 - 1100	1.21	571.35	21.12
4	1100 - 1200	0.57	533.09	31.43

* Current Electrodes : 500 - 600
Frequency : 0.125[Hz] Current : 200[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	700 - 800	9.73	91.69	3.66
2	800 - 900	1.86	70.04	4.34
3	900 - 1000	4.50	423.75	13.01
4	1000 - 1100	2.91	547.78	17.08

* Current Electrodes : 400 - 500
Frequency : 0.125[Hz] Current : 400[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	600 - 700	11.65	54.89	2.43
2	700 - 800	3.36	63.31	2.45
3	800 - 900	1.10	52.04	2.82
4	900 - 1000	3.69	347.86	5.76

Appendix D-3(9) List of the observed IP data from profile III

* Current Electrodes : 300 - 400
Frequency : 0.125[Hz] Current : 290[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω・m]	Chargeability [mV/V]
1	500 - 600	9.94	64.61	3.88
2	600 - 700	3.08	79.98	2.72
3	700 - 800	1.38	89.91	3.92
4	800 - 900	0.34	43.70	2.53

* Current Electrodes : 200 - 300
Frequency : 0.125[Hz] Current : 300[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω・m]	Chargeability [mV/V]
1	400 - 500	5.43	34.13	2.93
2	500 - 600	2.00	50.36	3.61
3	600 - 700	1.08	67.73	2.51
4	700 - 800	0.56	70.60	10.93

* Current Electrodes : 100 - 200
Frequency : 0.125[Hz] Current : 210[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω・m]	Chargeability [mV/V]
1	300 - 400	6.51	58.42	8.78
2	400 - 500	1.62	58.16	5.12
3	500 - 600	1.02	91.77	3.39
4	600 - 700	0.60	107.51	6.17

* Current Electrodes : 0 - 100
Frequency : 0.125[Hz] Current : 120[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω・m]	Chargeability [mV/V]
1	200 - 300	7.49	117.63	8.41
2	300 - 400	3.03	190.19	8.27
3	400 - 500	1.02	160.93	10.15
4	500 - 600	0.79	249.03	10.62

Appendix D-3(10) List of the observed IP data from profile Ⅳ

* Current Electrodes : 2500 - 2600
Frequency : 0.125[Hz] Current : 170[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω · m]	Chargeability [mV/V]
1	2700 - 2800	7.92	87.78	4.95

* Current Electrodes : 2400 - 2500
Frequency : 0.125[Hz] Current : 180[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω · m]	Chargeability [mV/V]
1	2600 - 2700	11.45	119.90	3.71
2	2700 - 2800	2.88	120.60	5.21

* Current Electrodes : 2300 - 2400
Frequency : 0.125[Hz] Current : 60[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω · m]	Chargeability [mV/V]
1	2500 - 2600	1.68	52.85	2.32
2	2600 - 2700	1.04	130.53	4.58
3	2700 - 2800	0.42	131.66	7.61

* Current Electrodes : 2200 - 2300
Frequency : 0.125[Hz] Current : 43[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω · m]	Chargeability [mV/V]
1	2400 - 2500	1.80	79.09	5.90
2	2500 - 2600	0.41	71.97	7.36
3	2600 - 2700	0.31	138.06	11.10
4	2700 - 2800	0.18	159.66	12.75

* Current Electrodes : 2100 - 2200
Frequency : 0.125[Hz] Current : 90[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω · m]	Chargeability [mV/V]
1	2300 - 2400	1.35	28.23	3.15
2	2400 - 2500	0.52	43.54	7.72
3	2500 - 2600	0.16	32.72	12.32
4	2600 - 2700	0.17	70.62	22.48

* Current Electrodes : 2000 - 2100
Frequency : 0.125[Hz] Current : 300[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω · m]	Chargeability [mV/V]
1	2200 - 2300	6.26	39.34	4.45
2	2300 - 2400	1.87	46.96	4.93
3	2400 - 2500	0.92	58.06	7.92
4	2500 - 2600	0.31	39.44	5.06

Appendix D-3(11) List of the observed IP data from profile Ⅳ

* Current Electrodes : 1900 - 2000
Frequency : 0.125[Hz] Current : 500[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	2100 - 2200	5.37	20.26	3.57
2	2200 - 2300	2.67	40.29	6.35
3	2300 - 2400	1.27	47.88	5.63
4	2400 - 2500	0.75	56.78	5.28

* Current Electrodes : 1800 - 1900
Frequency : 0.125[Hz] Current : 74[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	2000 - 2100	0.95	24.20	3.80
2	2100 - 2200	0.33	33.38	1.61
3	2200 - 2300	0.35	88.38	4.16
4	2300 - 2400	0.19	99.59	1.57

* Current Electrodes : 1700 - 1800
Frequency : 0.125[Hz] Current : 70[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1900 - 2000	5.68	152.96	6.11
2	2000 - 2100	0.46	49.17	5.79
3	2100 - 2200	0.23	61.98	4.37
4	2200 - 2300	0.28	149.50	17.11

* Current Electrodes : 1600 - 1700
Frequency : 0.125[Hz] Current : 90[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1800 - 1900	18.64	390.44	7.89
2	1900 - 2000	1.75	146.51	6.28
3	2000 - 2100	0.36	74.91	5.02
4	2100 - 2200	0.19	80.96	23.86

* Current Electrodes : 1500 - 1600
Frequency : 0.125[Hz] Current : 70[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1700 - 1800	14.02	377.41	10.86
2	1800 - 1900	3.93	423.70	12.76
3	1900 - 2000	0.65	173.87	9.09
4	2000 - 2100	0.19	102.61	2.94

* Current Electrodes : 1400 - 1500
Frequency : 0.125[Hz] Current : 42[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1600 - 1700	4.75	213.08	9.88
2	1700 - 1800	1.80	322.65	8.90
3	1800 - 1900	0.78	349.35	5.28
4	1900 - 2000	0.15	131.60	2.02

Appendix D-3(12) List of the observed IP data from profile Ⅳ

* Current Electrodes : 1300 - 1400
Frequency : 0.125[Hz] Current : 92[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1500 - 1600	10.53	215.85	14.95
2	1600 - 1700	2.65	217.00	18.82
3	1700 - 1800	1.27	260.98	9.35
4	1800 - 1900	0.64	261.26	8.59

* Current Electrodes : 1200 - 1300
Frequency : 0.125[Hz] Current : 90[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1400 - 1500	3.06	64.05	8.64
2	1500 - 1600	1.53	127.91	7.53
3	1600 - 1700	0.65	136.60	9.16
4	1700 - 1800	0.37	154.70	11.32

* Current Electrodes : 1100 - 1200
Frequency : 0.125[Hz] Current : 70[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1300 - 1400	1.21	32.68	8.78
2	1400 - 1500	0.81	87.05	12.54
3	1500 - 1600	0.65	174.25	12.09
4	1600 - 1700	0.34	180.56	12.75

* Current Electrodes : 1000 - 1100
Frequency : 0.125[Hz] Current : 50[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1200 - 1300	0.82	30.86	4.53
2	1300 - 1400	0.32	48.65	1.56
3	1400 - 1500	0.34	129.36	2.04
4	1500 - 1600	0.33	246.12	7.79

* Current Electrodes : 900 - 1000
Frequency : 0.125[Hz] Current : 100[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1100 - 1200	1.15	21.71	1.42
2	1200 - 1300	0.42	31.73	4.21
3	1300 - 1400	0.28	52.40	6.09
4	1400 - 1500	0.34	126.34	5.34

* Current Electrodes : 800 - 900
Frequency : 0.125[Hz] Current : 900[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1000 - 1100	14.28	29.90	1.43
2	1100 - 1200	7.26	60.79	2.00
3	1200 - 1300	3.53	74.02	4.00
4	1300 - 1400	3.26	136.39	6.95

Appendix D-3(13) List of the observed IP data from profile Ⅳ

* Current Electrodes : 700 - 800
Frequency : 0.125[Hz] Current : 44[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	900 - 1000	0.38	16.24	2.87
2	1000 - 1100	0.24	41.77	7.43
3	1100 - 1200	0.15	65.93	7.23
4	1200 - 1300	0.09	76.31	10.62

* Current Electrodes : 600 - 700
Frequency : 0.125[Hz] Current : 100[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	800 - 900	1.38	25.98	6.22
2	900 - 1000	0.14	10.65	4.52
3	1000 - 1100	0.13	23.86	8.44
4	1100 - 1200	0.17	62.89	11.04

* Current Electrodes : 500 - 600
Frequency : 0.125[Hz] Current : 48[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	700 - 800	0.79	31.05	2.65
2	800 - 900	0.32	50.36	3.70
3	900 - 1000	0.09	33.79	2.48
4	1000 - 1100	0.09	73.04	4.26

* Current Electrodes : 400 - 500
Frequency : 0.125[Hz] Current : 58[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	600 - 700	0.73	23.75	3.49
2	700 - 800	0.50	65.61	4.77
3	800 - 900	0.26	85.33	9.93
4	900 - 1000	0.08	51.18	11.76

* Current Electrodes : 300 - 400
Frequency : 0.125[Hz] Current : 56[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	500 - 600	1.41	47.56	9.76
2	600 - 700	0.48	64.81	9.07
3	700 - 800	0.38	126.97	18.68
4	800 - 900	0.21	141.00	14.78

* Current Electrodes : 200 - 300
Frequency : 0.125[Hz] Current : 54[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	400 - 500	1.58	54.97	15.81
2	500 - 600	0.55	76.47	5.31
3	600 - 700	0.23	79.57	6.66
4	700 - 800	0.20	138.68	6.16

Appendix D-3(14) List of the observed IP data from profile Ⅳ

* Current Electrodes : 100 - 200
Frequency : 0.125[Hz] Current : 210[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω・m]	Chargeability [mV/V]
1	300 - 400	5.16	46.36	12.29
2	400 - 500	1.12	40.02	20.85
3	500 - 600	0.52	47.06	24.53
4	600 - 700	0.24	43.15	20.50

* Current Electrodes : 0 - 100
Frequency : 0.125[Hz] Current : 700[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω・m]	Chargeability [mV/V]
1	200 - 300	20.93	56.36	10.94
2	300 - 400	5.72	61.63	18.70
3	400 - 500	2.01	54.24	27.20
4	500 - 600	1.10	59.08	19.16

Appendix D-3(15) List of the observed IP data from profile V

* Current Electrodes : 1400 - 1500
Frequency : 0.125[Hz] Current : 40[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1600 - 1700	0.65	30.82	8.84

* Current Electrodes : 1300 - 1400
Frequency : 0.125[Hz] Current : 40[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1500 - 1600	1.59	74.98	10.26
2	1600 - 1700	0.19	35.73	19.05

* Current Electrodes : 1200 - 1300
Frequency : 0.125[Hz] Current : 150[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1400 - 1500	5.94	74.69	4.44
2	1500 - 1600	1.52	76.20	12.10
3	1600 - 1700	0.30	37.49	19.01

* Current Electrodes : 1100 - 1200
Frequency : 0.125[Hz] Current : 820[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1300 - 1400	22.18	50.99	9.96
2	1400 - 1500	10.59	97.38	14.18
3	1500 - 1600	3.73	85.75	21.59
4	1600 - 1700	0.95	43.62	27.00

* Current Electrodes : 1000 - 1100
Frequency : 0.125[Hz] Current : 270[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1200 - 1300	3.70	25.82	4.99
2	1300 - 1400	1.85	51.69	4.56
3	1400 - 1500	1.22	85.37	3.98
4	1500 - 1600	0.49	68.78	6.57

* Current Electrodes : 900 - 1000
Frequency : 0.125[Hz] Current : 300[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1100 - 1200	3.31	20.78	2.35
2	1200 - 1300	1.25	31.41	4.53
3	1300 - 1400	0.82	51.27	11.38
4	1400 - 1500	0.62	77.56	7.90

Appendix D-3(16) List of the observed IP data from profile V

* Current Electrodes : 800 - 900
Frequency : 0.125[Hz] Current : 700[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	1000 - 1100	11.62	31.28	4.17
2	1100 - 1200	4.85	52.25	0.51
3	1200 - 1300	2.50	67.29	2.67
4	1300 - 1400	1.93	103.94	1.02

* Current Electrodes : 700 - 800
Frequency : 0.125[Hz] Current : 400[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	900 - 1000	6.23	29.36	6.52
2	1000 - 1100	4.29	80.85	7.42
3	1100 - 1200	2.86	134.92	8.57
4	1200 - 1300	1.74	164.22	13.12

* Current Electrodes : 600 - 700
Frequency : 0.125[Hz] Current : 150[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	800 - 900	4.93	62.01	8.68
2	900 - 1000	12.91	91.26	11.63
3	1000 - 1100	1.42	178.33	12.14
4	1100 - 1200	18.53	232.84	14.45

* Current Electrodes : 500 - 600
Frequency : 0.125[Hz] Current : 150[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	700 - 800	8.78	110.40	10.87
2	800 - 900	2.30	115.46	12.16
3	900 - 1000	1.94	243.65	15.67
4	1000 - 1100	1.48	371.83	17.37

* Current Electrodes : 400 - 500
Frequency : 0.125[Hz] Current : 250[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	600 - 700	17.17	129.49	14.75
2	700 - 800	5.92	178.64	17.94
3	800 - 900	1.88	141.98	18.32
4	900 - 1000	1.68	253.58	14.94

* Current Electrodes : 300 - 400
Frequency : 0.125[Hz] Current : 180[mA]

N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω·m]	Chargeability [mV/V]
1	500 - 600	16.64	174.24	11.15
2	600 - 700	1.99	83.41	19.23
3	700 - 800	0.87	90.98	21.81
4	800 - 900	0.31	65.57	16.79

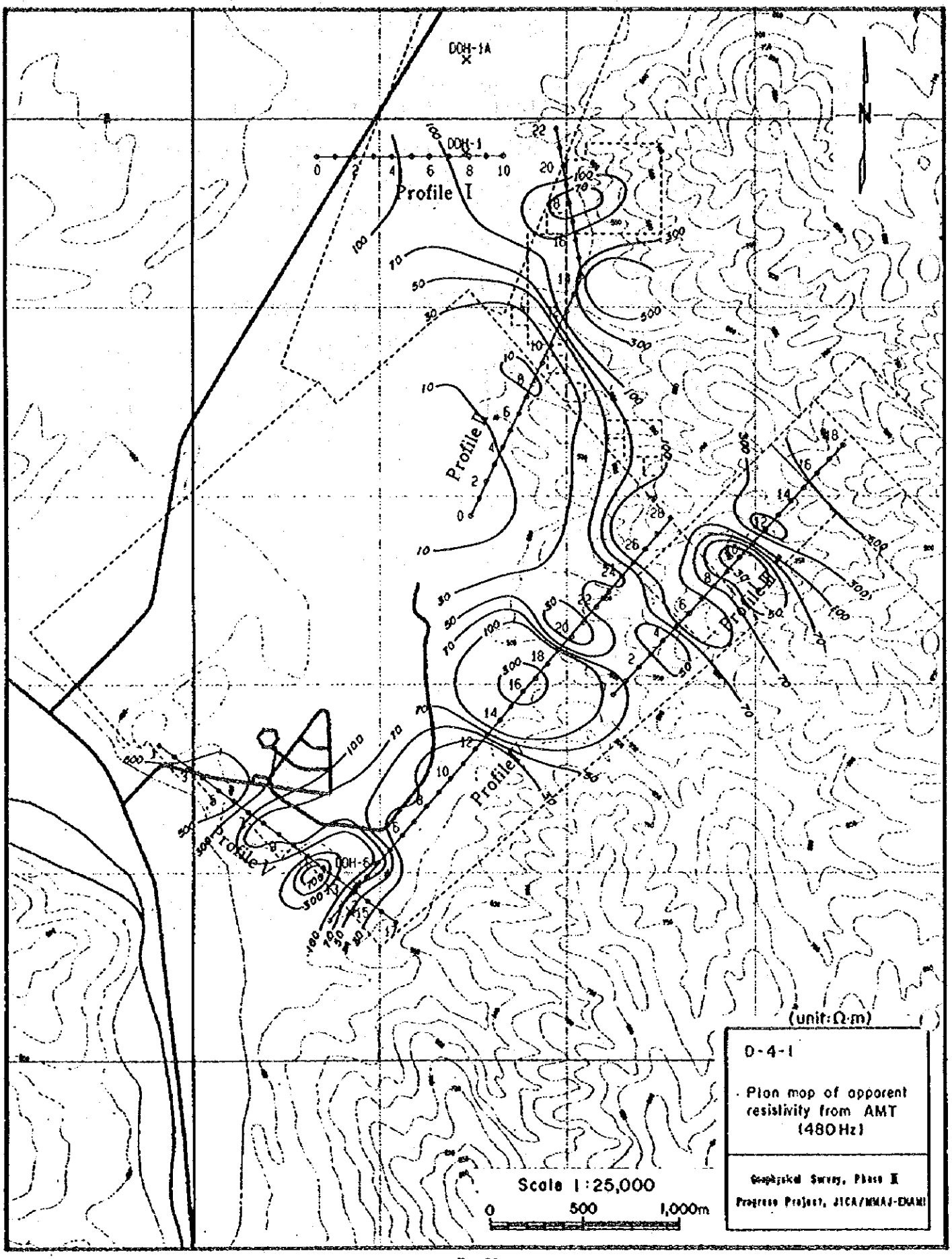
Appendix D-3(17) List of the observed IP data from profile V

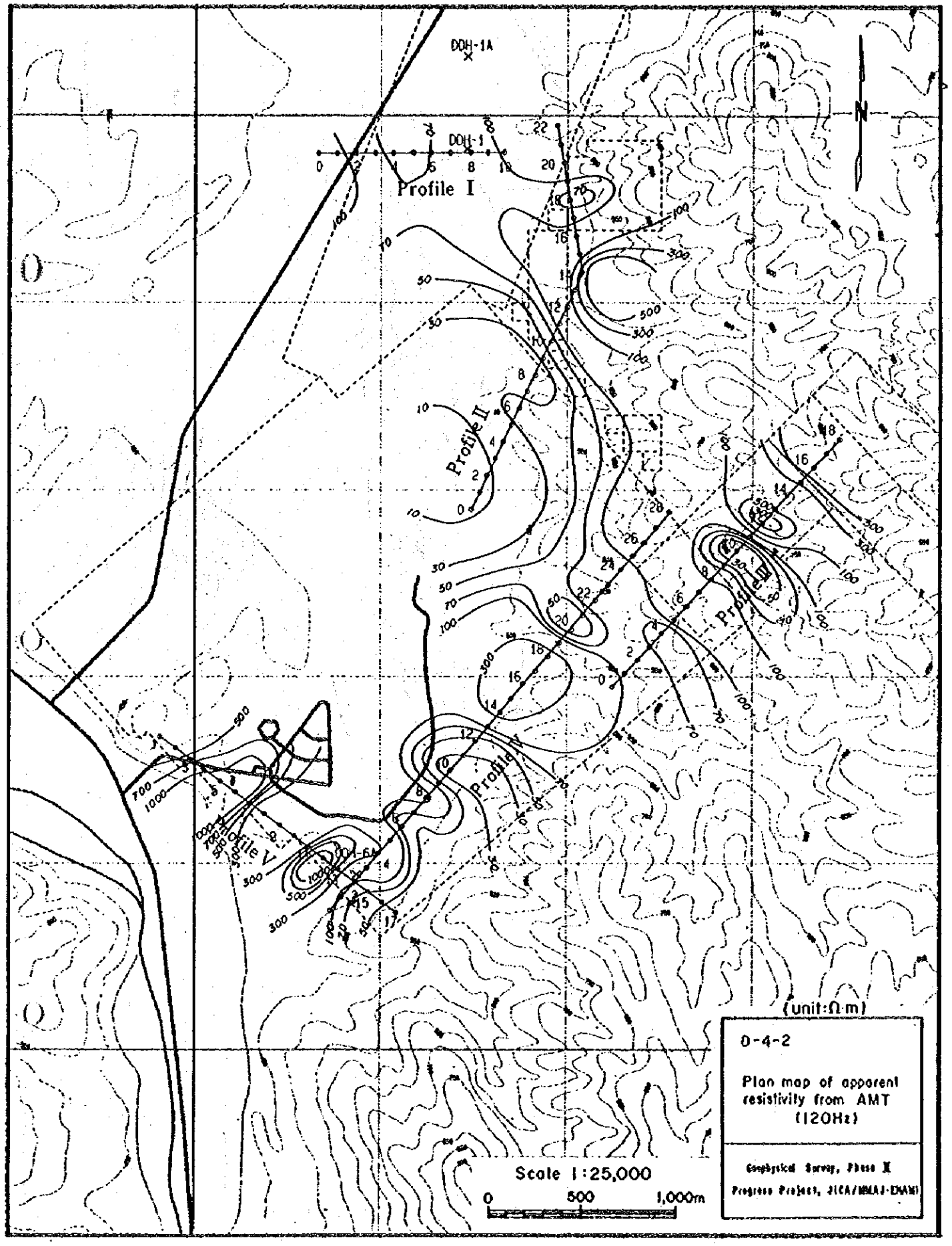
* Current Electrodes : 200 - 300
Frequency : 0.125[Hz] Current : 700[mA]

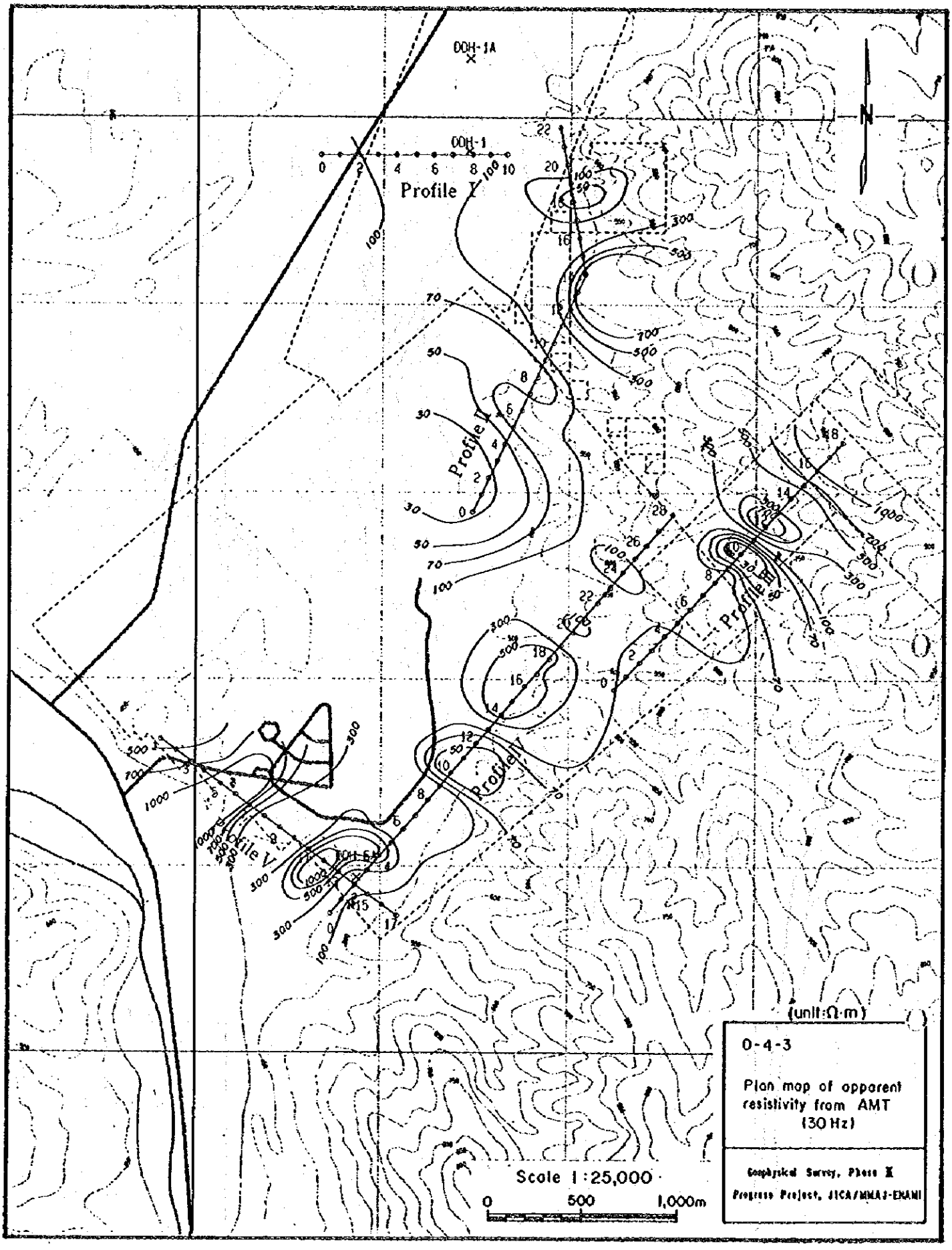
N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω・m]	Chargeability [mV/V]
1	400 - 500	62.87	169.29	14.02
2	500 - 600	8.59	92.55	19.87
3	600 - 700	1.71	45.95	23.02
4	700 - 800	0.97	52.16	24.47

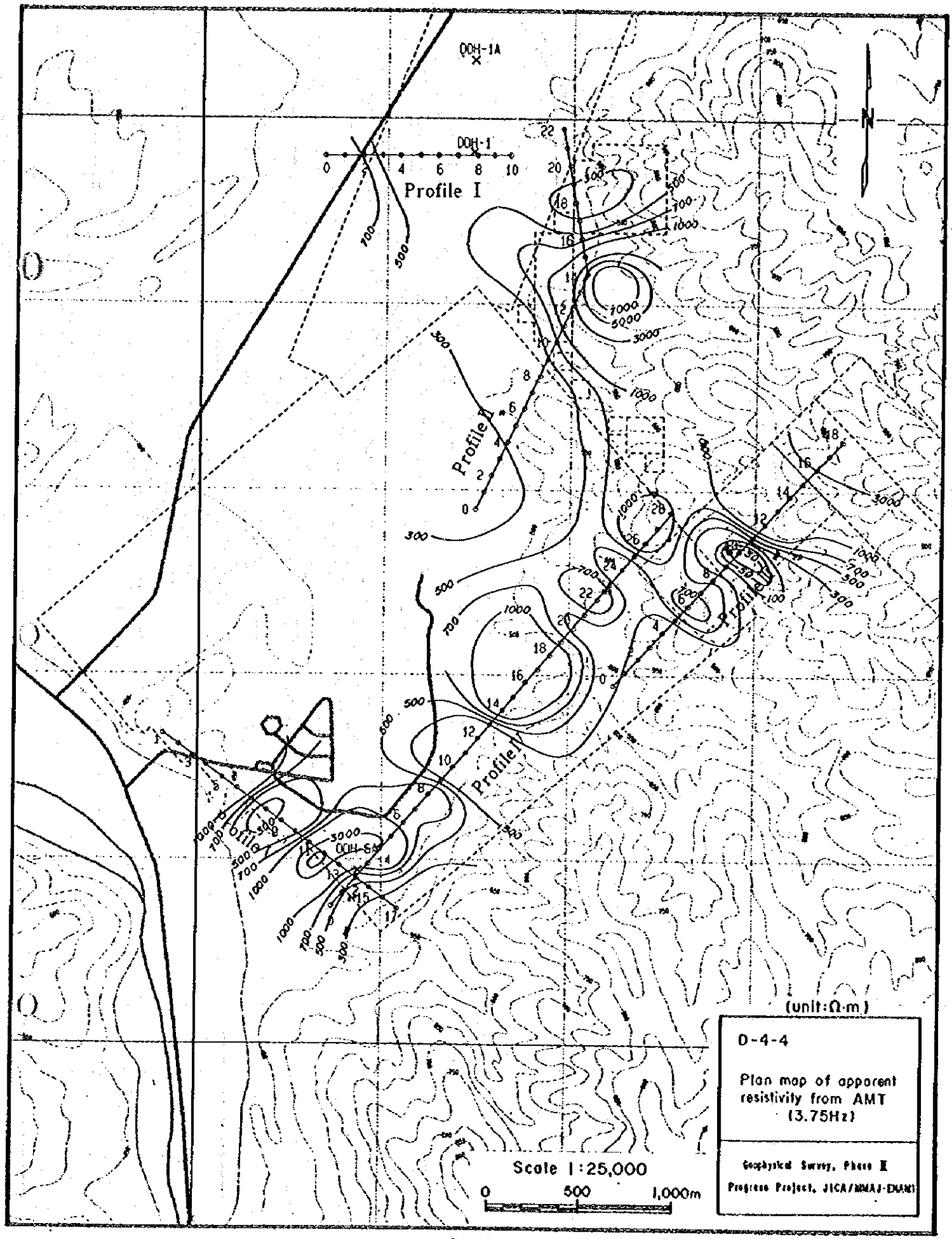
* Current Electrodes : 100 - 200
Frequency : 0.125[Hz] Current : 150[mA]

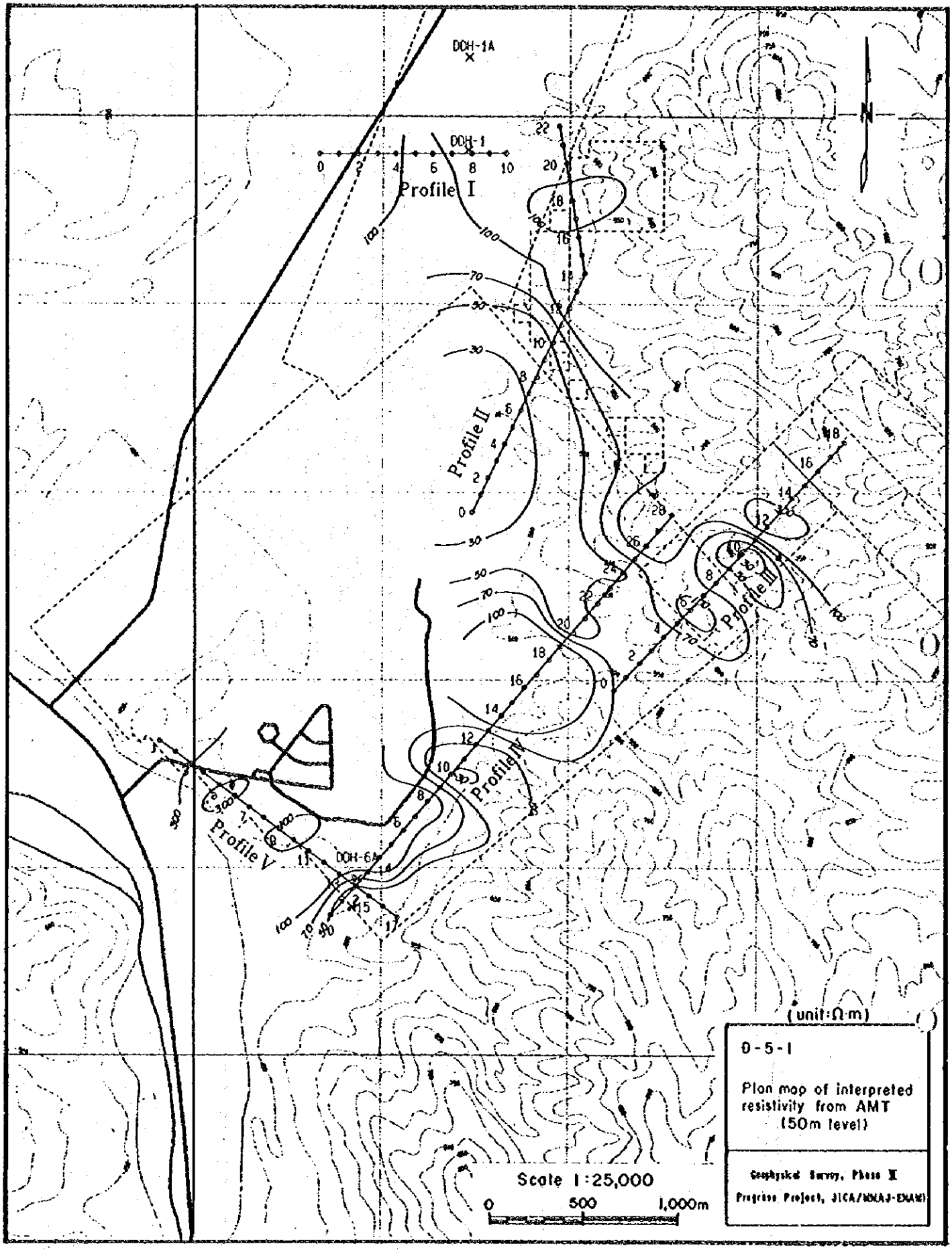
N	Potential Electrodes	Voltage [mV]	Resistivirity [Ω・m]	Chargeability [mV/V]
1	300 - 400	13.13	164.98	12.52
2	400 - 500	4.06	203.94	14.96
3	500 - 600	3.07	385.26	24.37
4	600 - 700	0.78	195.43	23.50

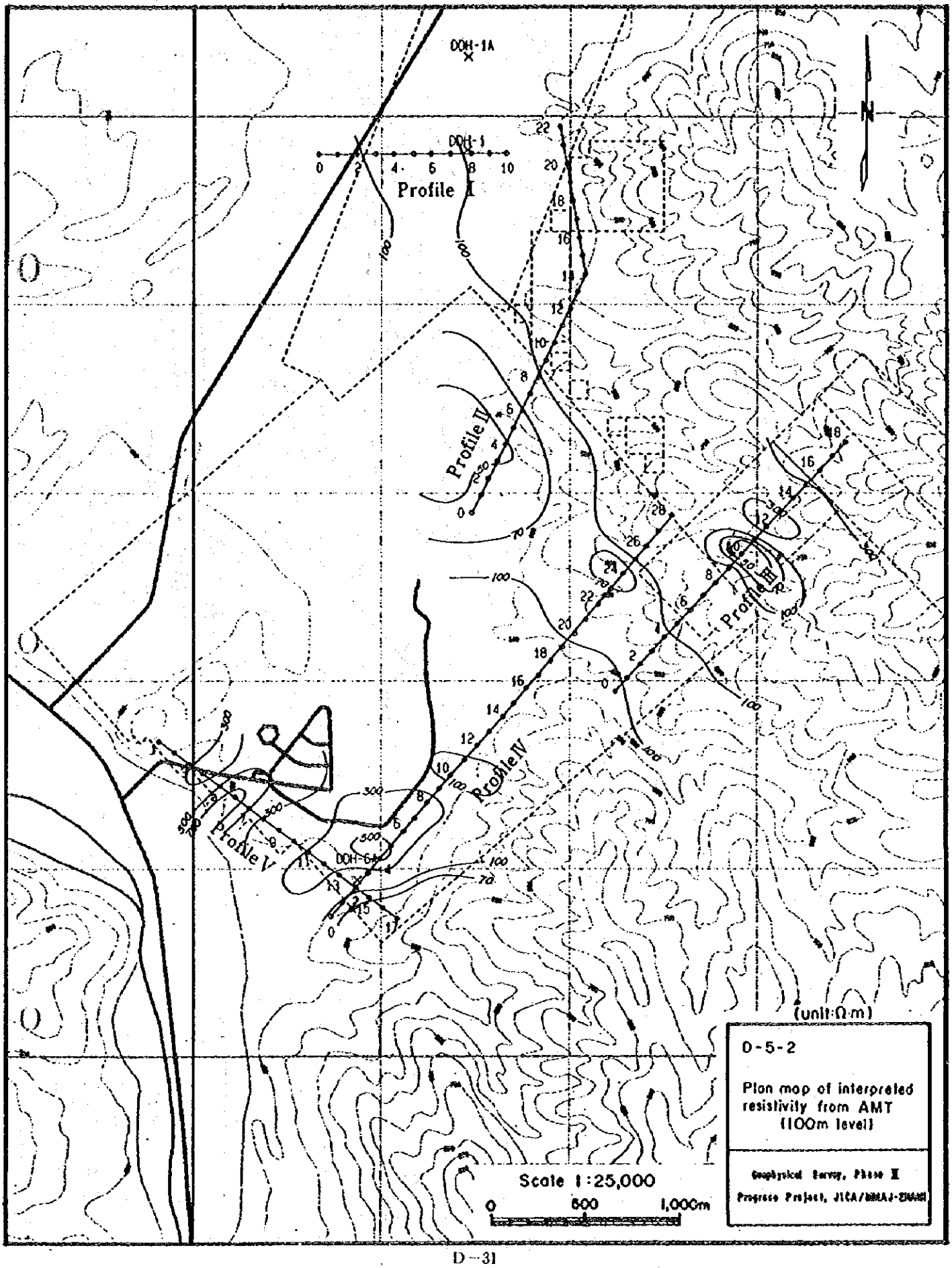

DDH-1A
DDH-1
DDH-5
Profile I
Profile II
Profile III
Profile IV
Profile V
N
(unit:Ω·m)
D-4-1
· Plan map of apparent resistivity from AMT (480Hz)
Geophysical Survey, Phase II
Progress Project, JICA/MMAJ-CHAMI
Scale 1:25,000
0
500
1,000m

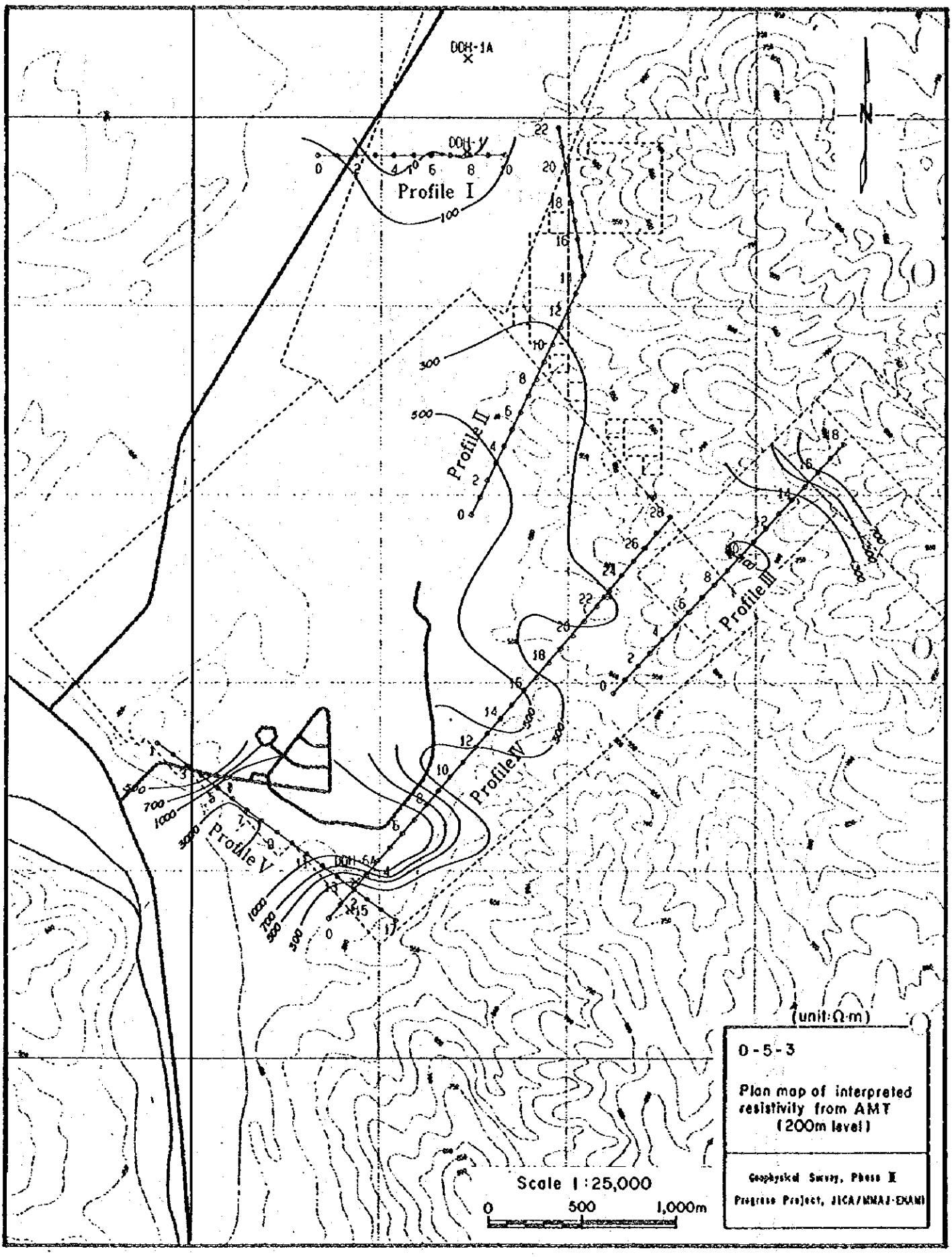

DDH-1A
DDH-1
Profile I
Profile II
Profile III
Profile IV
Profile V
DDH-6A
(unit:Ω·m)
D-4-2
Plan map of apparent resistivity from AMT (120Hz)
Geophysical Survey, Phase II
Progress Project, JICA/MMAJ-CMAM
Scale 1:25,000
0 500 1,000m

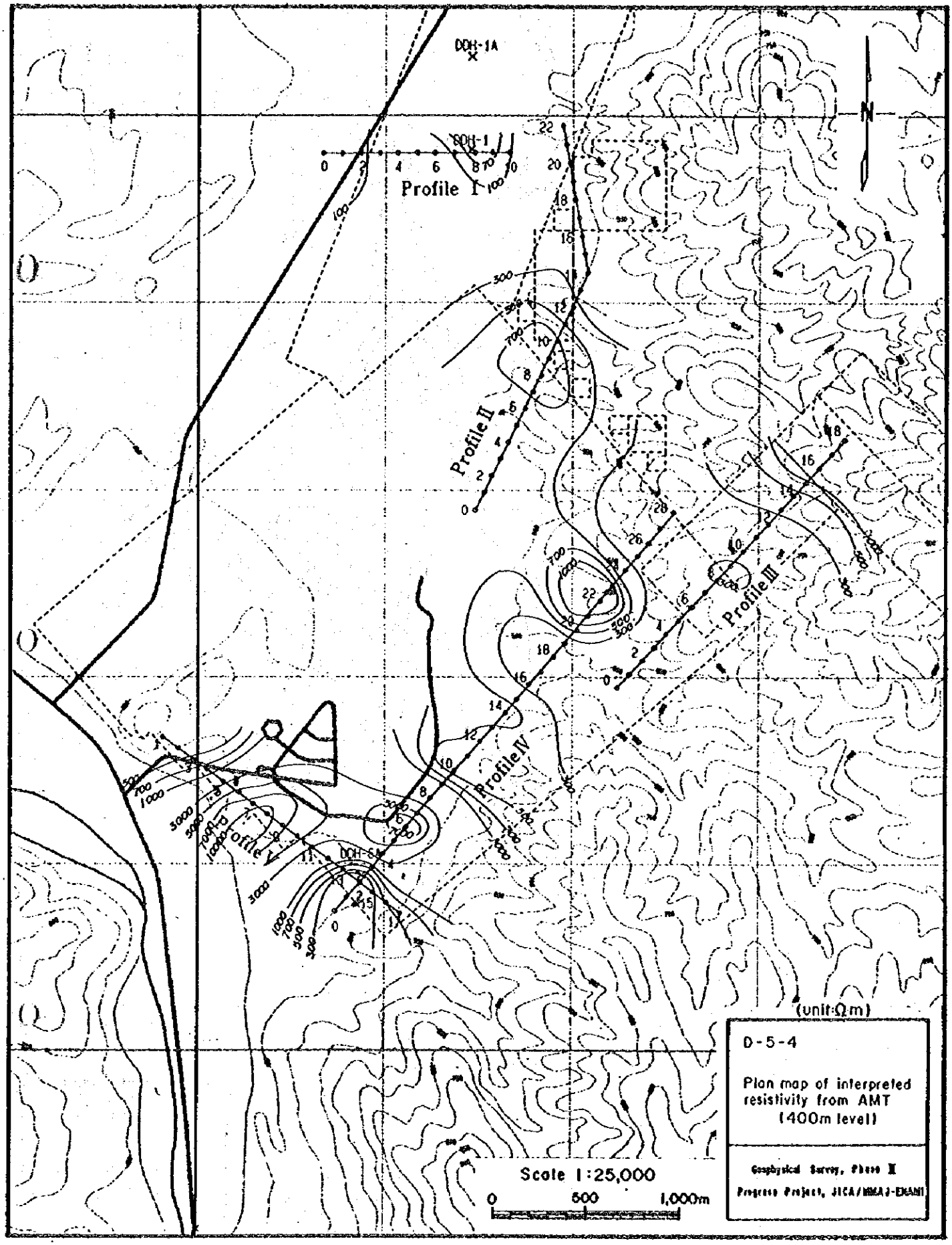

OOH-1A
OOH-1
Profile I
Profile II
Profile III
Profile IV
Profile V
OOH-6A
N
(unit:Ω·m)
0-4-3
Plan map of apparent resistivity from AMT (30 Hz)
Geophysical Survey, Phase II
Progress Project, JICA/MMAJ-ENAMI
Scale 1:25,000
0 500 1,000m

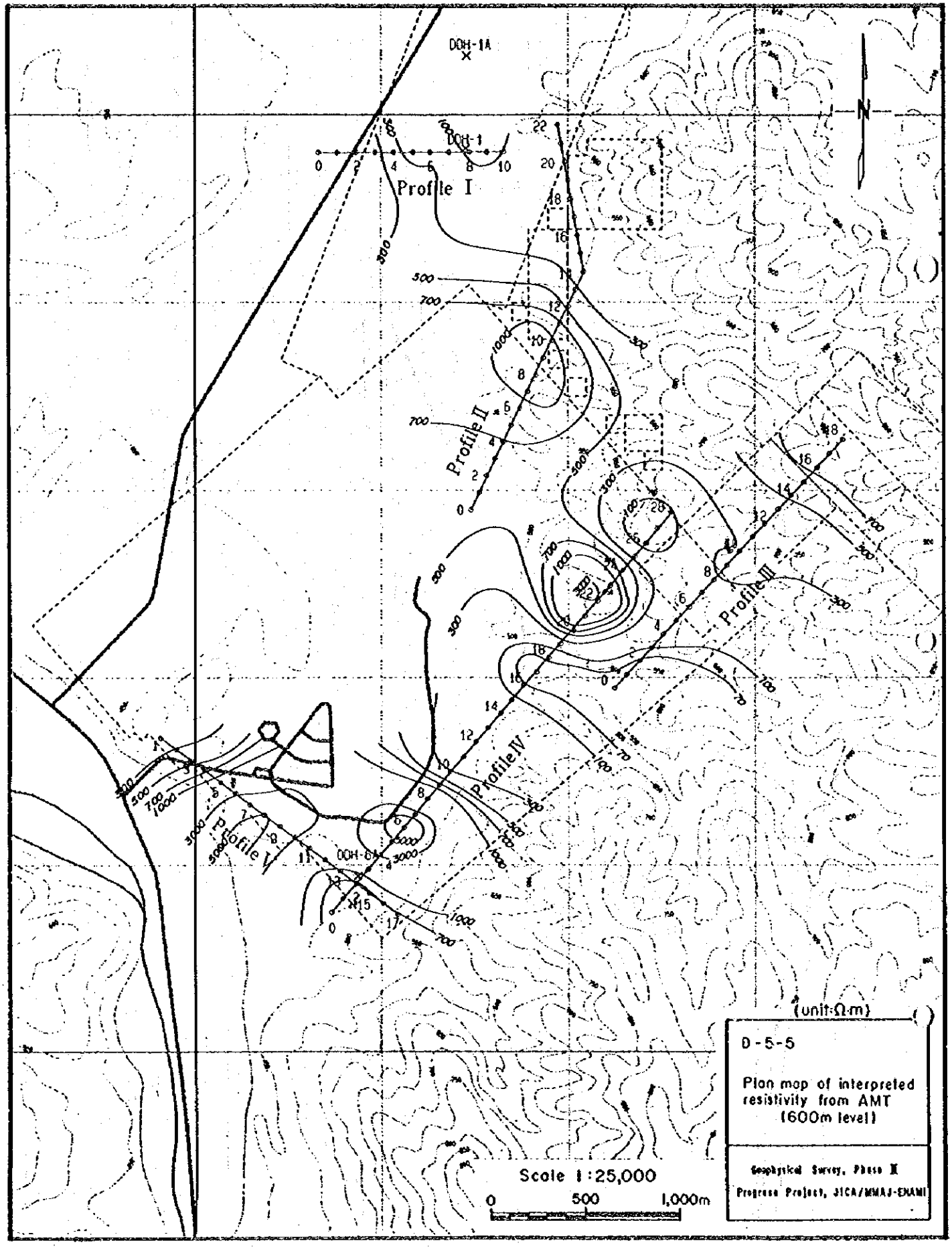

OOH-1A
OOH-1
Profile I
Profile II
Profile III
Profile IV
Profile V
OOH-5A
(unit:Ω·m)
D-4-4
Plan map of apparent resistivity from AMT (3.75Hz)
Geophysical Survey, Phase II
Progress Project, JICA/MMAJ-DMMI
Scale 1:25,000
0 500 1,000m

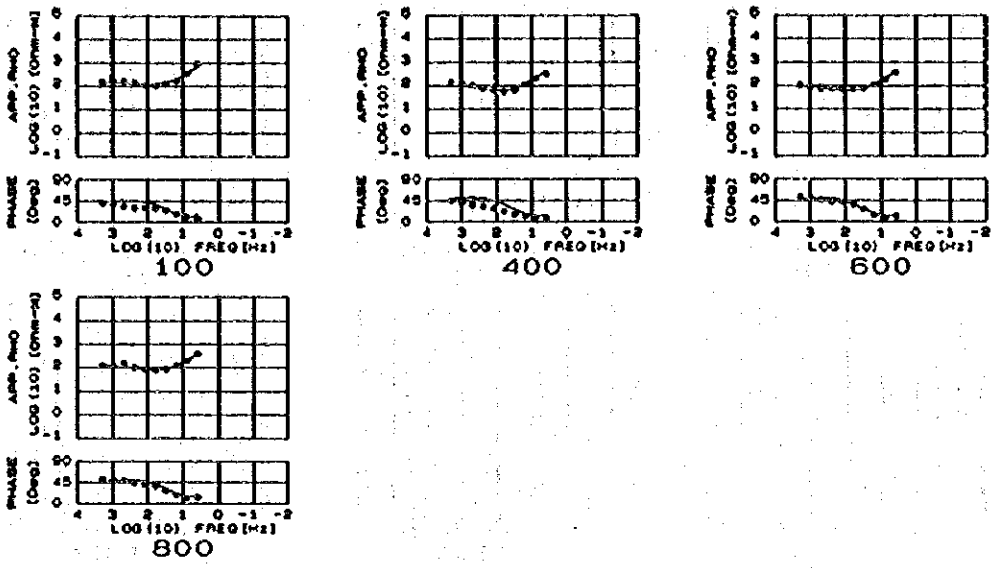

DDH-1A
DDH-1
Profile I
Profile II
Profile III
Profile IV
Profile V
DDH-6A
N
(unit:Ω·m)
D-5-1
Plan map of interpreted resistivity from AMT (50m level)
Geophysical Survey, Phase II
Progress Project, JICA/MMAJ-EMAM
Scale 1:25,000
0 500 1,000m


DOH-1A
DOH-1
Profile I
Profile II
Profile III
Profile IV
Profile V
DOH-6A
N
(unit:Ω·m)
D-5-2
Plan map of interpreted resistivity from AMT (100m level)
Geophysical Survey, Phase II
Progress Project, JICA/MMAJ-ENAMI
Scale 1:25,000
0
500
1,000m

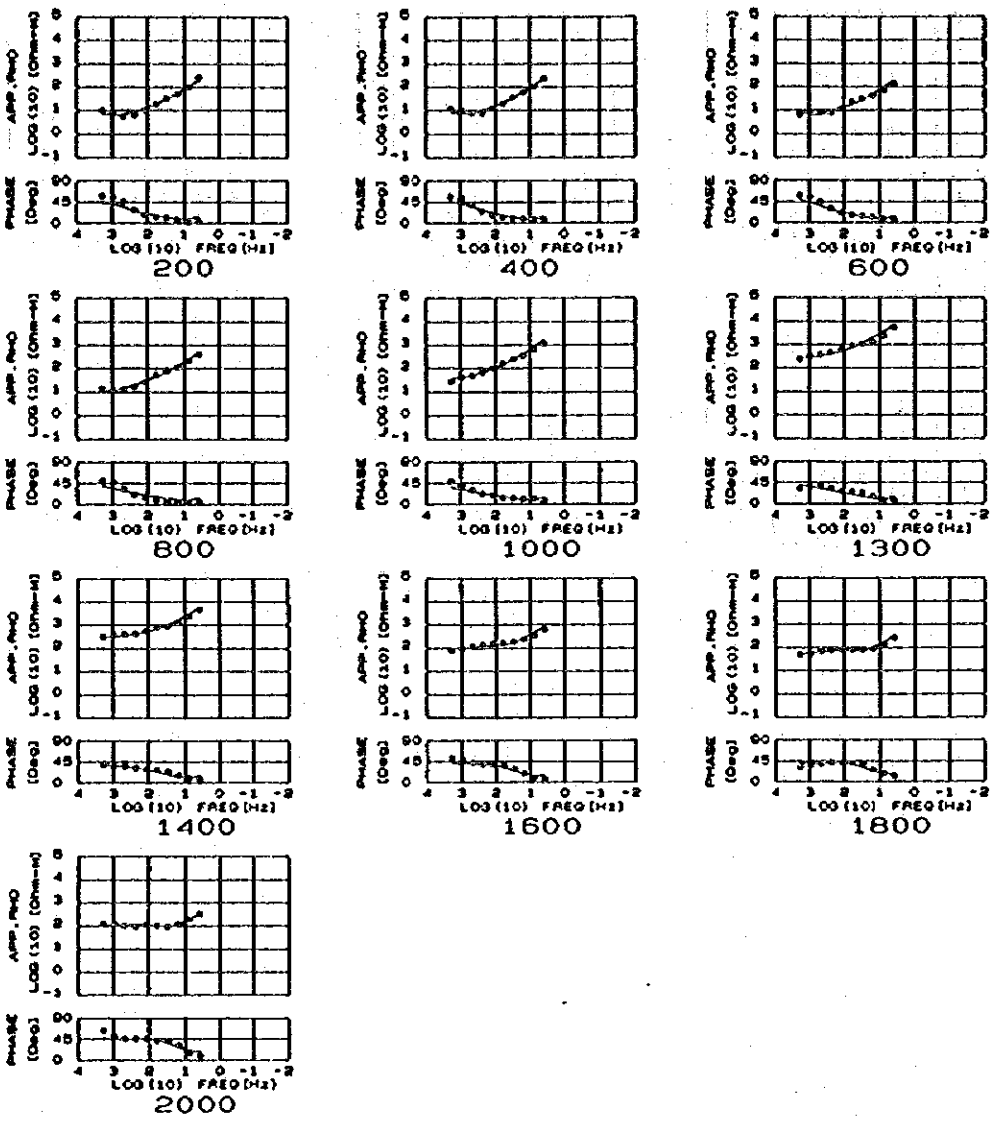

DCH-1A
DCH-5A
Profile I
Profile II
Profile III
Profile IV
Profile V
(unit:Ω·m)
0-5-3
Plan map of interpreted resistivity from AMT (200m level)
Geophysical Survey, Phase II
Progress Project, JICA/MMAJ-EXAMI
Scale 1:25,000
0
500
1,000m


DDH-1A
DDH-1
Profile I
Profile II
Profile III
Profile IV
DDH-6A
N
(unit:Ωm)
D-5-4
Plan map of interpreted resistivity from AMT (400m level)
Geophysical Survey, Phase II
Progress Project, JICA/MMAJ-EKANI
Scale 1:25,000
0
500
1,000m

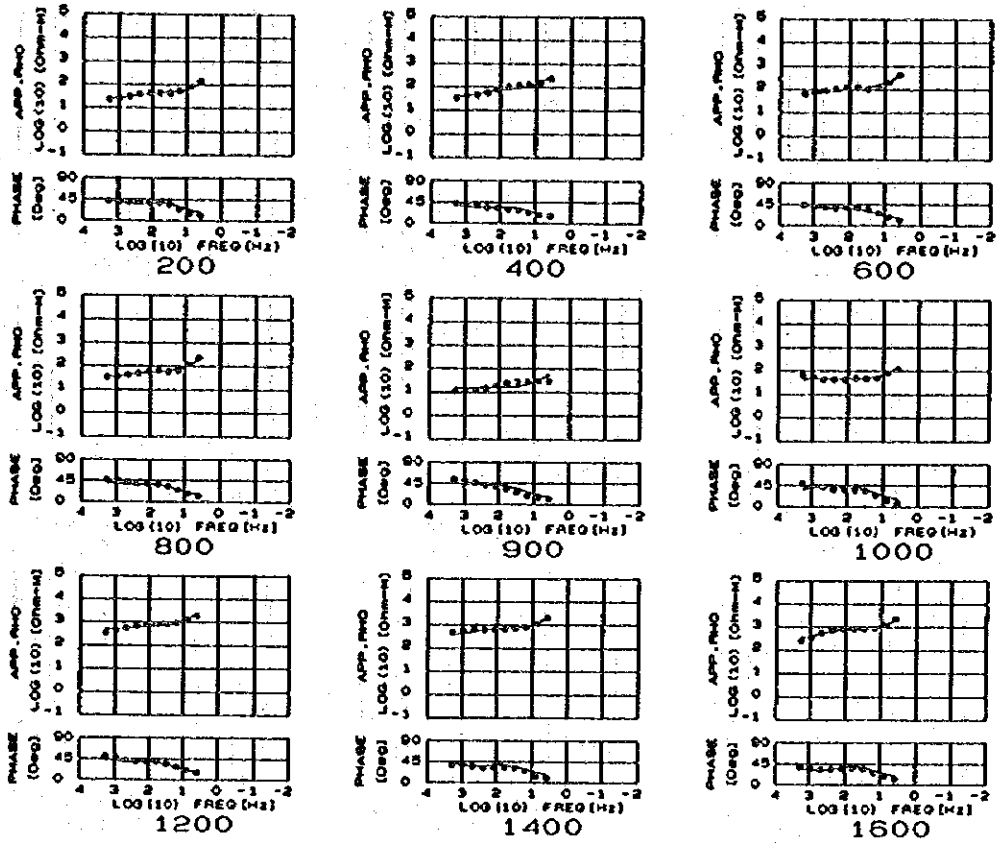

DOH-1A
DOH-1
DOH-6A
Profile I
Profile II
Profile III
Profile IV
Profile V
N
(unit:Ω·m)
D-5-5
Plan map of interpreted resistivity from AMT (600m level)
Geophysical Survey, Phase II
Progress Project, JICA/MMAJ-ENAMI
Scale 1:25,000
0
500
1,000m



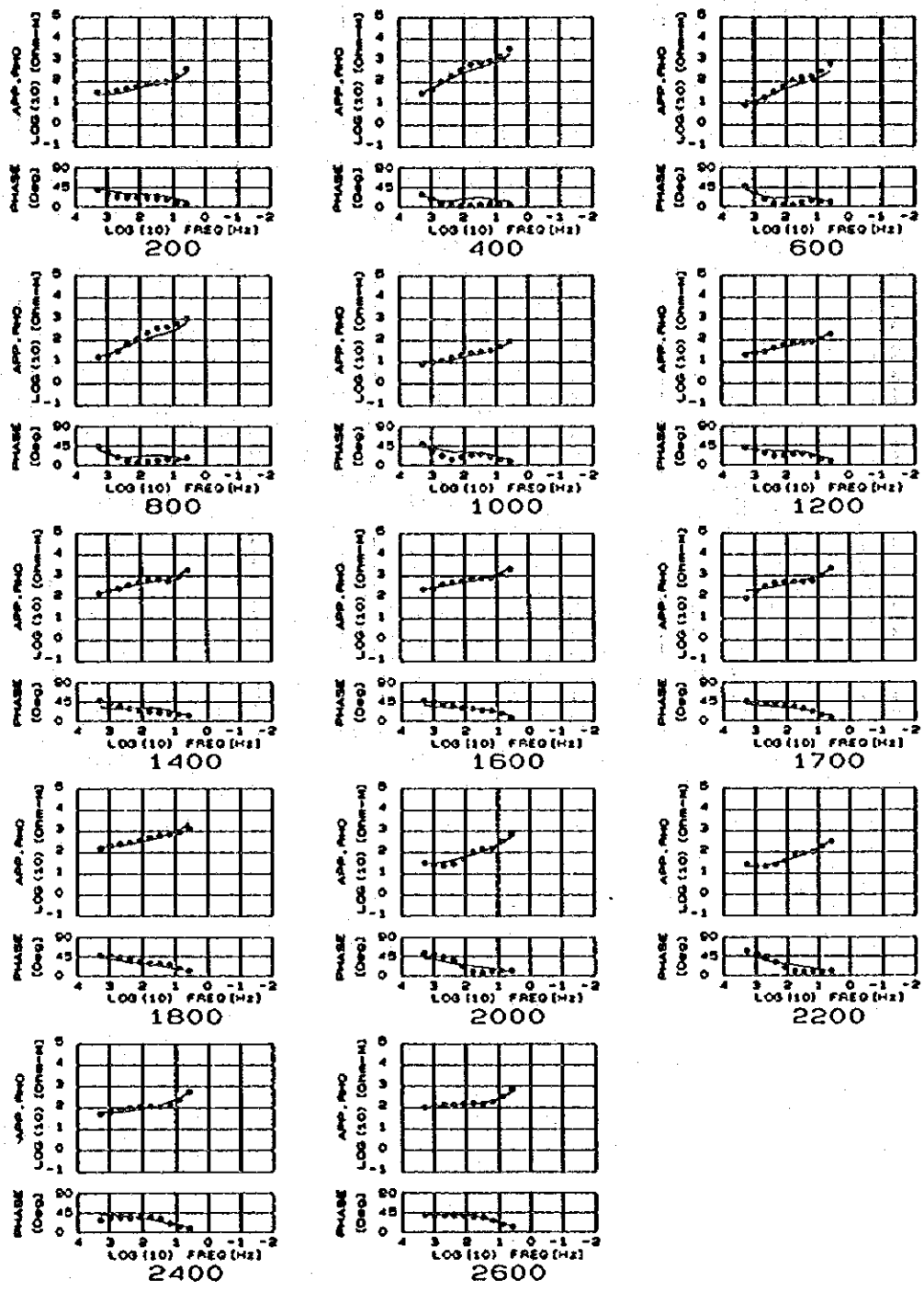
D-6(1) Summary of the observed data and interpreted data from AMT profile I
circle symboles are observed data, solid curves are 2D inversion response



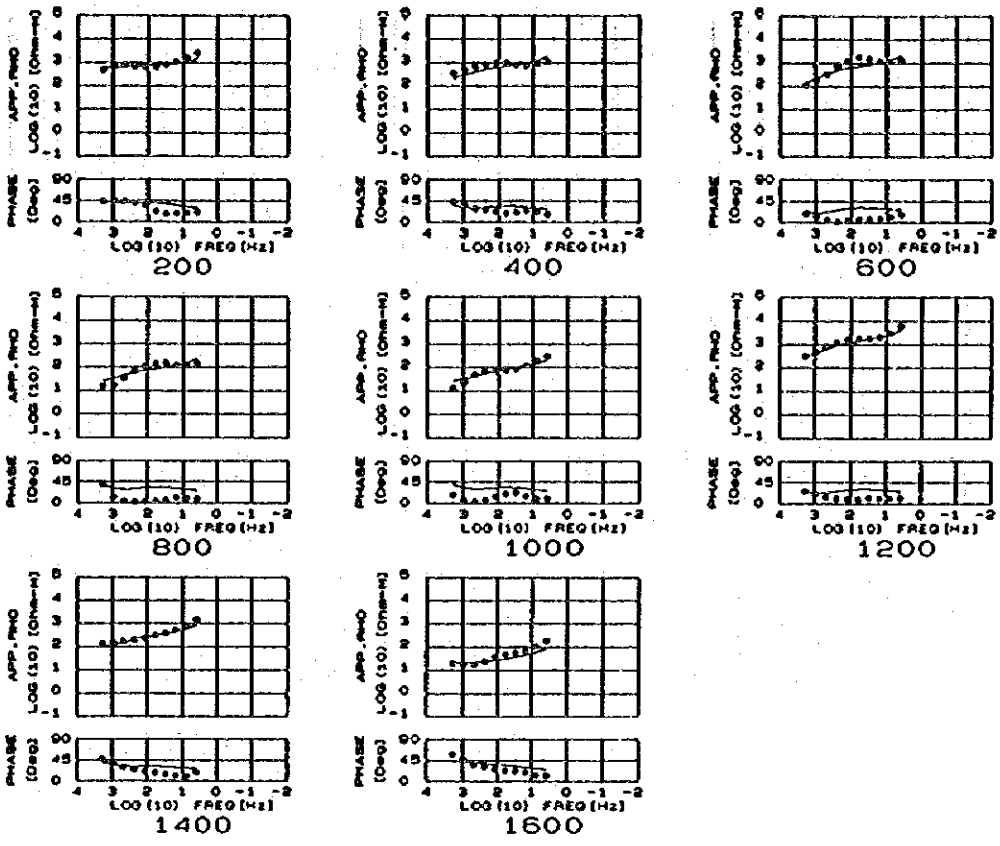
D-6(2) Summary of the observed data and interpreted data from AMT profile II
circle symboles are observed data, solid curves are 2D inversion response



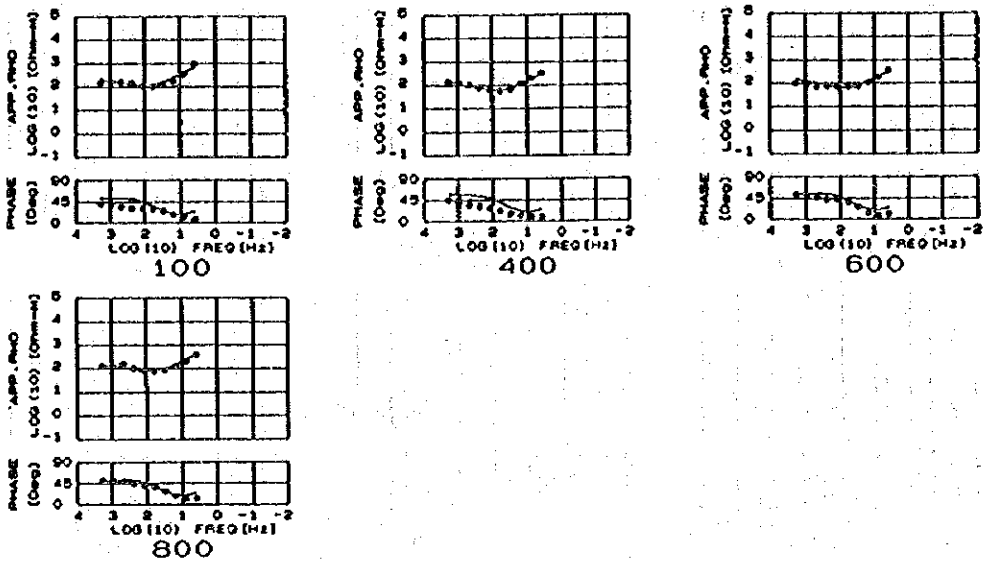
D-6(3) Summary of the observed data and interpreted data from AMT profile III
circle symboles are observed data, solid curves are 2D inversion response



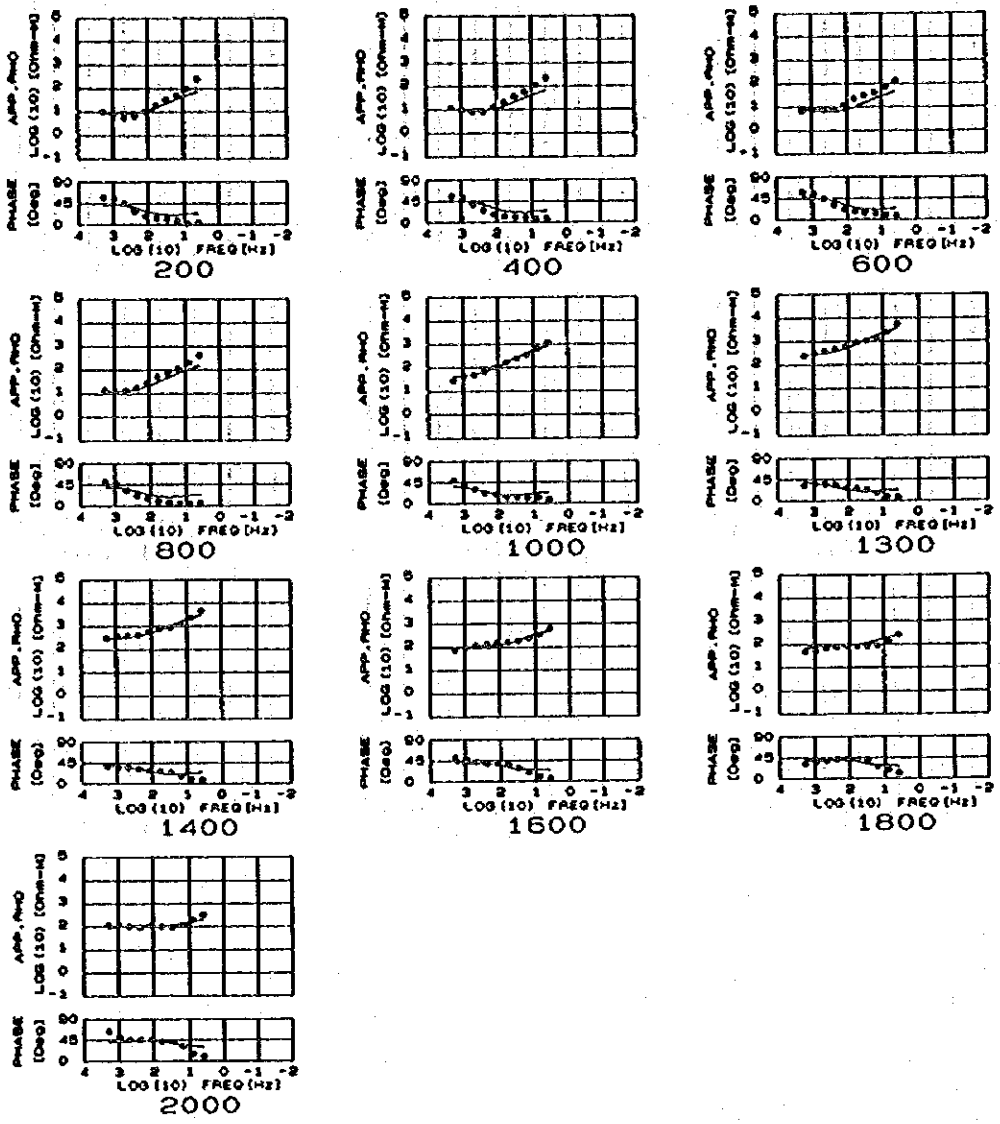
D-6(4) Summary of the observed data and interpreted data from AMT profile Ⅳ
circle symboles are observed data, solid curves are 2D inversion response



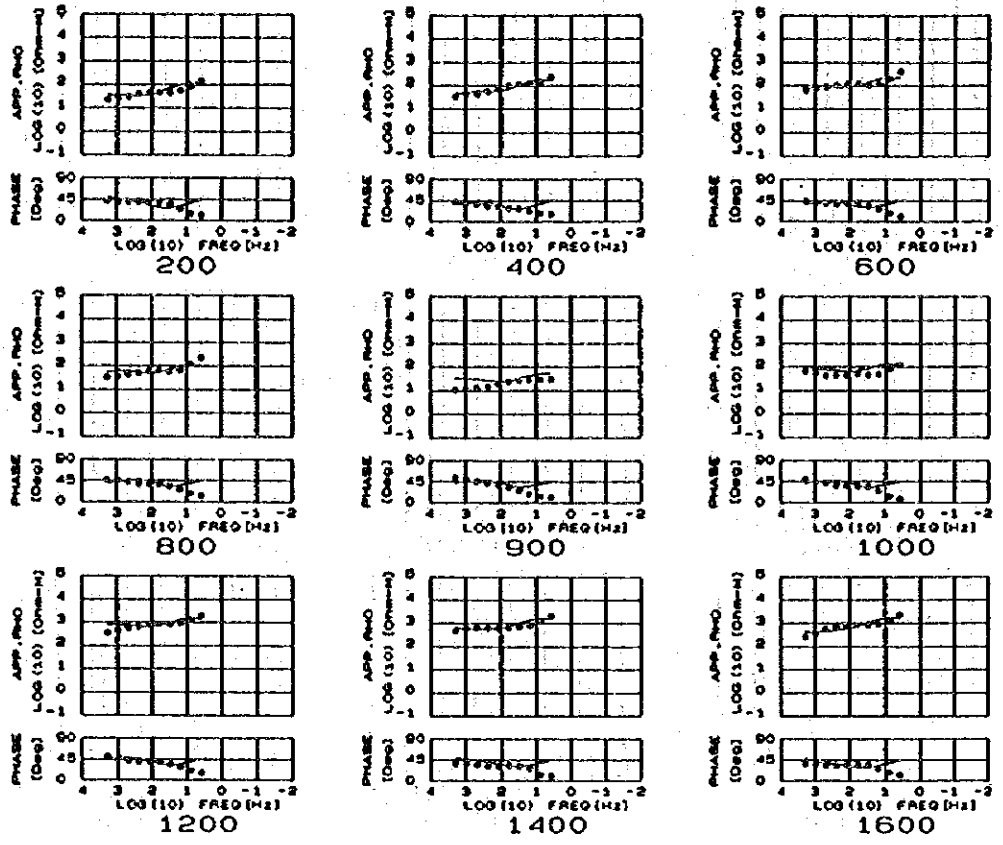
D-6(5) Summary of the observed data and interpreted data from AMT profile V
circle symboles are observed data, solid curves are 2D inversion response



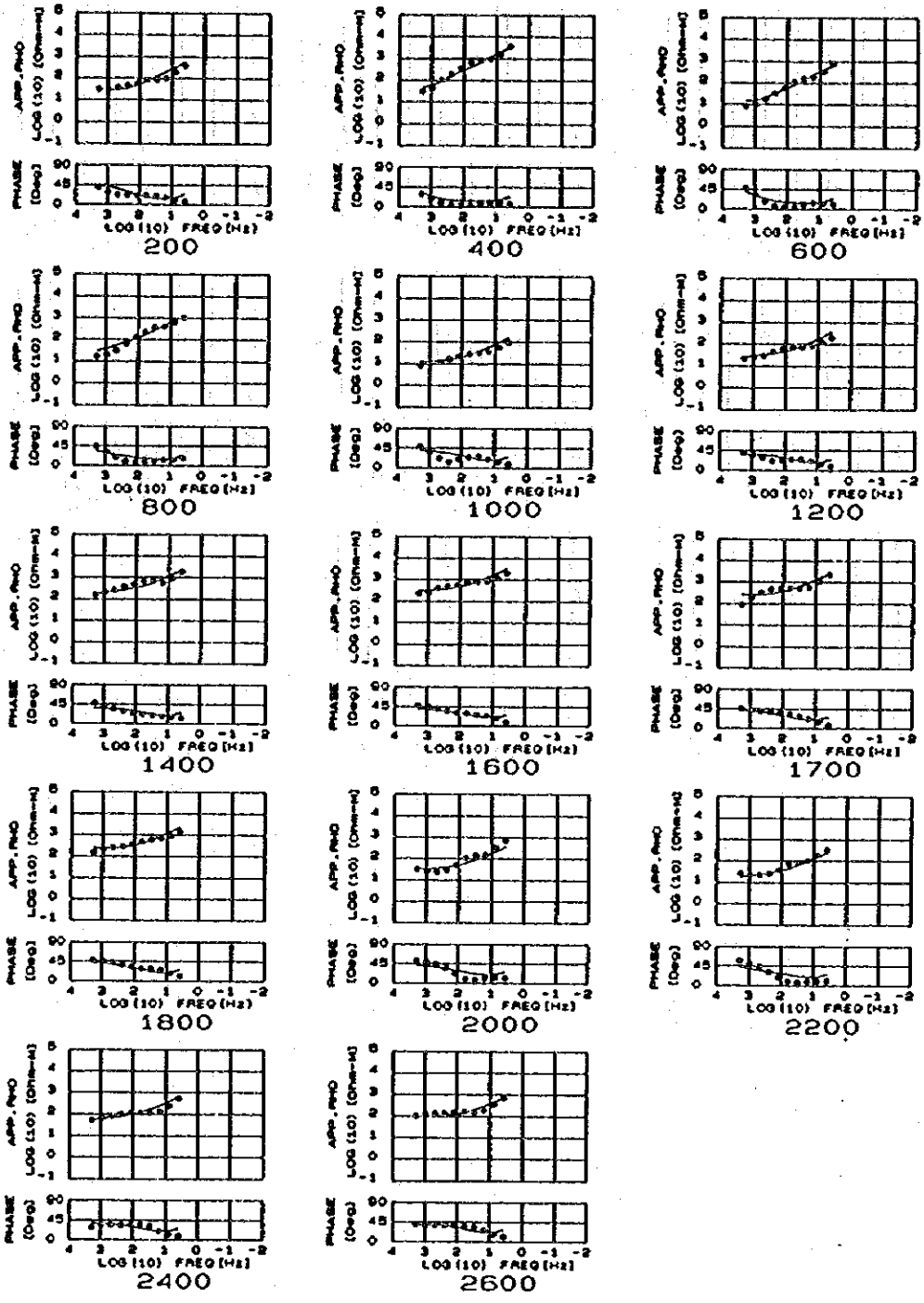
D-6(6) Summary of the observed data and interpreted data from AMT profile I
circle symboles are observed data, solid curves are 2D joint inversion response



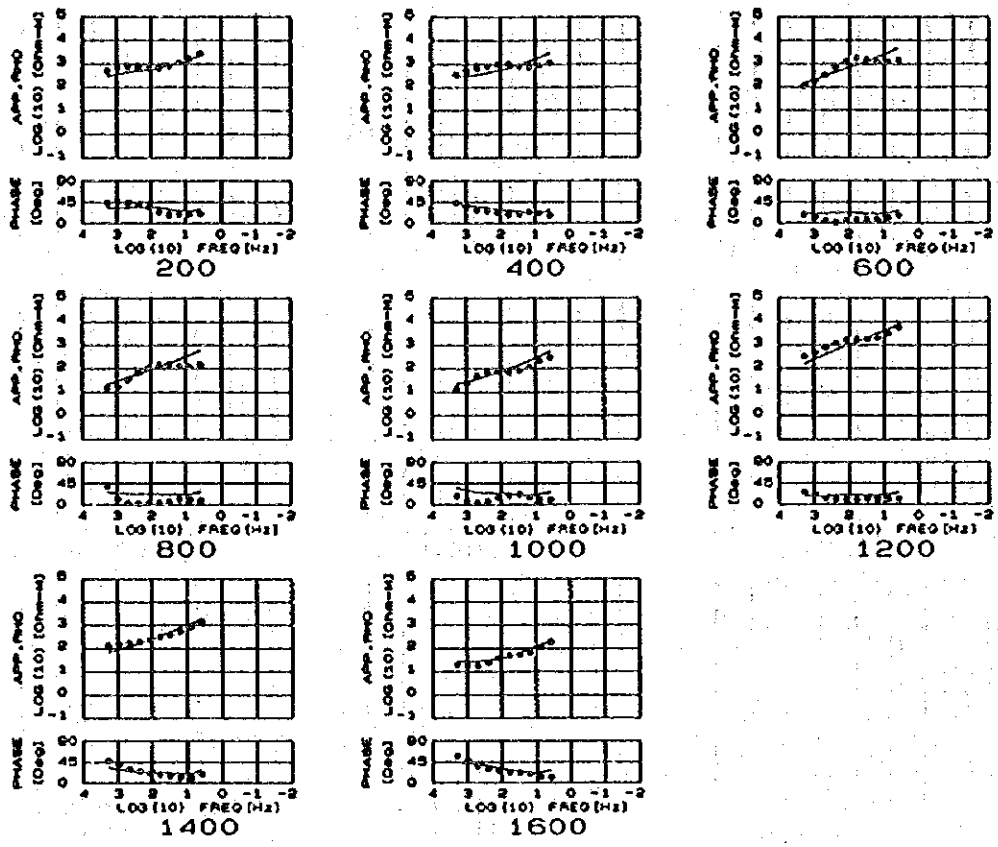
D-6(7) Summary of the observed data and interpreted data from AMT profile II
circle symboles are observed data, solid curves are 2D joint inversion response



D-6(8) Summary of the observed data and interpreted data from AMT profile III
circle symboles are observed data, solid curves are 2D joint inversion response



D-6(9) Summary of the observed data and interpreted data from AMT profile Ⅳ
circle symboles are observed data, solid curves are 2D joint inversion response



D-6(10) Summary of the observed data and interpreted data from AMT profile V
circle symboles are observed data, solid curves are 2D joint inversion response

Appendix D-7(1) List of the observed AMT data from profile I

Profile I site 100

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	101.88	90.30	40.26	-133.81
7500.0000	100.89	95.35	41.44	-134.19
5000.0000	96.30	118.02	43.63	-135.09
3750.0000	95.05	128.03	44.85	-135.50
2560.0000	87.36	145.30	45.07	-136.55
1920.0000	85.23	151.37	43.92	-138.66
1280.0000	81.61	167.27	43.54	-140.06
960.0000	78.19	168.55	43.15	-141.09
640.0000	74.75	163.67	40.18	-145.59
480.0000	72.80	161.94	38.81	-146.44
320.0000	66.06	151.66	36.95	-147.81
240.0000	63.85	143.23	35.09	-148.83
160.0000	63.53	115.49	32.44	-149.71
120.0000	62.99	107.40	31.33	-149.39
80.0000	60.35	102.11	28.28	-149.63
60.0000	59.45	103.81	27.25	-150.15
40.0000	59.04	118.36	26.13	-152.88
30.0000	59.41	123.87	25.62	-154.45
20.0000	62.84	149.73	23.30	-159.42
15.0000	70.56	171.45	20.89	-162.07
10.0000	118.42	268.30	15.85	-165.91
7.5000	150.93	347.75	13.04	-167.72
5.0000	238.88	756.11	10.16	-171.81
3.7500	275.33	926.49	9.69	-172.51
2.5000	355.32	1354.52	9.92	-172.02
1.8750	394.18	1483.16	10.47	-170.90
1.2500	464.68	1719.94	11.80	-168.78
0.9375	485.76	1756.15	12.81	-168.21

Profile I site 400

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	98.03	140.69	54.65	-128.75
7500.0000	90.55	141.58	54.54	-129.10
5000.0000	79.41	142.76	54.06	-130.13
3750.0000	74.05	142.45	53.92	-130.92
2560.0000	65.41	140.73	53.22	-133.02
1920.0000	61.79	139.10	52.50	-134.62
1280.0000	56.72	131.20	50.63	-138.73
960.0000	55.25	125.66	49.79	-140.18
640.0000	53.85	109.49	47.43	-144.39
480.0000	54.63	102.52	45.85	-145.45
320.0000	56.18	84.88	38.41	-147.34
240.0000	56.43	80.00	35.06	-147.97
160.0000	57.66	68.64	30.70	-150.40
120.0000	57.78	65.11	28.96	-152.03
80.0000	58.16	57.90	23.50	-155.48
60.0000	59.60	57.66	21.37	-157.50
40.0000	70.11	62.12	17.51	-163.10
30.0000	79.21	67.47	16.06	-164.47
20.0000	106.41	96.03	11.84	-166.78
15.0000	122.61	113.02	10.48	-167.66
10.0000	186.85	179.74	9.58	-169.94
7.5000	216.61	204.98	9.24	-170.46
5.0000	258.98	290.12	9.21	-170.94
3.7500	277.49	320.36	9.70	-170.68
2.5000	356.40	383.72	13.01	-168.19
1.8750	386.86	402.06	15.16	-166.58
1.2500	446.31	430.79	22.44	-161.57
0.9375	453.51	433.92	23.79	-160.49

Appendix D-7(2) List of the observed AMT data from profile I

Profile I site 600

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	92.04	119.20	55.68	-124.14
7500.0000	91.92	119.23	55.05	-124.42
5000.0000	88.36	121.44	54.08	-125.53
3750.0000	85.65	120.27	52.79	-125.79
2560.0000	81.94	109.34	51.43	-126.71
1920.0000	79.37	102.39	49.95	-126.90
1280.0000	71.18	88.88	44.29	-128.15
960.0000	65.91	85.21	42.55	-129.67
640.0000	58.58	75.89	41.12	-131.82
480.0000	56.06	75.59	40.24	-132.82
320.0000	54.64	79.90	38.15	-135.66
240.0000	55.47	79.08	36.88	-136.67
160.0000	62.81	74.20	35.02	-137.57
120.0000	68.74	72.56	34.12	-138.34
80.0000	78.61	71.34	31.15	-141.61
60.0000	82.74	72.04	29.10	-143.66
40.0000	94.22	76.90	24.72	-148.63
30.0000	101.77	80.46	23.09	-152.86
20.0000	120.03	94.62	20.65	-162.14
15.0000	134.78	107.66	19.26	-165.79
10.0000	190.85	155.89	13.90	-170.46
7.5000	225.05	190.26	11.30	-170.71
5.0000	354.15	300.71	8.34	-169.10
3.7500	439.56	370.05	7.91	-168.16
2.5000	680.41	554.72	8.05	-165.44
1.8750	801.40	649.01	9.03	-164.03
1.2500	1019.99	830.37	9.97	-160.90
0.9375	1079.03	891.88	9.99	-159.58

Profile I site 800

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	132.66	225.69	56.00	-121.80
7500.0000	161.09	226.27	55.79	-122.50
5000.0000	197.94	204.58	56.15	-123.75
3750.0000	212.10	156.60	55.97	-124.50
2560.0000	195.30	138.33	54.79	-127.79
1920.0000	173.39	126.65	53.23	-128.87
1280.0000	168.50	122.60	50.40	-129.62
960.0000	161.75	127.39	47.99	-130.18
640.0000	142.43	150.10	43.80	-130.65
480.0000	114.01	161.39	42.64	-131.14
320.0000	103.73	130.54	40.00	-133.17
240.0000	101.56	106.37	39.02	-134.77
160.0000	103.51	91.30	36.51	-137.60
120.0000	105.28	86.95	35.15	-139.95
80.0000	115.19	83.69	31.45	-141.22
60.0000	131.65	83.24	29.61	-142.66
40.0000	145.06	84.93	25.87	-148.68
30.0000	150.76	89.63	24.01	-151.83
20.0000	162.63	105.28	21.73	-158.53
15.0000	182.95	124.38	20.64	-161.37
10.0000	228.31	163.34	15.58	-166.24
7.5000	287.53	207.41	12.17	-167.49
5.0000	405.73	307.93	7.80	-167.39
3.7500	543.04	394.26	7.41	-166.88
2.5000	761.82	499.90	8.67	-164.74
1.8750	990.96	610.27	9.79	-162.76
1.2500	1300.47	771.16	13.42	-159.87
0.9375	1602.78	850.72	14.97	-159.06

Appendix D-7(3) List of the observed AMT data from profile II

ProfileII site 200

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	12.69	14.07	62.80	-120.13
7500.0000	12.58	14.29	62.69	-120.39
5000.0000	12.03	13.24	61.24	-122.48
3750.0000	11.71	11.81	60.84	-122.84
2560.0000	11.03	9.99	60.20	-123.55
1920.0000	10.18	9.46	58.47	-124.25
1280.0000	8.43	8.19	57.24	-127.59
960.0000	7.77	7.76	56.50	-128.65
640.0000	6.19	5.68	50.84	-131.32
480.0000	5.89	5.38	46.41	-134.23
320.0000	6.12	5.35	33.35	-141.48
240.0000	6.52	5.69	28.96	-145.47
160.0000	8.66	7.76	20.14	-152.59
120.0000	10.43	9.04	17.88	-154.24
80.0000	16.14	12.34	14.63	-157.13
60.0000	19.32	13.71	14.08	-158.39
40.0000	27.74	16.65	13.02	-159.51
30.0000	33.03	18.13	12.28	-159.69
20.0000	43.35	20.94	9.96	-160.33
15.0000	49.99	22.86	8.39	-160.77
10.0000	78.38	29.64	4.54	-161.15
7.5000	101.86	33.74	3.23	-161.09
5.0000	196.61	44.90	3.45	-160.54
3.7500	265.26	50.66	4.10	-159.83
2.5000	375.72	59.94	5.80	-155.02
1.8750	399.88	60.93	7.13	-152.94
1.2500	425.36	60.05	10.57	-147.67
0.9375	419.50	59.67	11.85	-145.09

ProfileII site 400

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	13.96	13.93	52.17	-114.66
7500.0000	14.05	13.93	52.66	-114.94
5000.0000	13.90	13.55	54.56	-116.12
3750.0000	13.70	13.26	55.47	-116.81
2560.0000	12.46	13.08	56.00	-121.47
1920.0000	12.17	12.84	55.61	-122.31
1280.0000	11.06	12.30	54.23	-125.16
960.0000	10.18	11.15	53.05	-126.84
640.0000	8.53	9.71	43.79	-131.18
480.0000	8.21	9.17	39.24	-132.57
320.0000	8.03	8.37	29.23	-135.73
240.0000	8.25	8.32	25.89	-138.63
160.0000	10.35	9.01	19.59	-145.62
120.0000	12.51	10.00	17.35	-147.81
80.0000	18.11	12.57	13.96	-151.90
60.0000	21.27	13.97	12.72	-154.27
40.0000	30.40	16.66	11.69	-157.14
30.0000	35.94	17.39	11.29	-157.69
20.0000	49.36	20.00	10.97	-157.82
15.0000	58.23	21.77	10.46	-157.93
10.0000	86.66	26.07	8.88	-158.85
7.5000	107.65	29.15	7.82	-159.14
5.0000	178.67	38.80	7.30	-160.42
3.7500	225.25	42.54	7.67	-160.98
2.5000	349.39	47.70	9.70	-162.19
1.8750	408.30	48.18	11.76	-161.91
1.2500	484.38	47.01	17.10	-160.21
0.9375	493.63	46.98	19.04	-160.04

Appendix D-7(4) List of the observed AMT data from profile II

ProfileII site 600

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	5.53	8.08	58.08	-139.84
7500.0000	5.60	8.11	58.06	-138.89
5000.0000	5.71	8.27	57.94	-136.69
3750.0000	5.91	8.44	58.26	-132.00
2560.0000	6.48	8.93	59.26	-128.98
1920.0000	6.86	9.16	59.13	-128.11
1280.0000	7.72	9.14	57.20	-126.57
960.0000	7.98	9.05	56.19	-126.56
640.0000	8.10	8.98	49.13	-128.75
480.0000	8.03	9.03	45.22	-130.97
320.0000	8.01	9.34	35.41	-136.08
240.0000	8.26	9.64	31.02	-137.93
160.0000	10.23	11.41	24.05	-142.39
120.0000	11.96	12.18	21.54	-144.88
80.0000	18.74	14.12	18.21	-149.88
60.0000	22.83	14.85	17.09	-151.36
40.0000	29.84	17.30	15.72	-154.40
30.0000	32.04	18.57	15.37	-156.38
20.0000	36.02	22.78	14.19	-159.71
15.0000	40.96	25.03	13.36	-161.06
10.0000	61.00	33.92	10.66	-164.72
7.5000	73.31	38.86	9.85	-167.36
5.0000	111.34	58.25	8.19	-170.55
3.7500	134.51	67.01	8.01	-170.96
2.5000	189.05	92.73	9.66	-170.57
1.8750	214.67	101.04	11.70	-170.08
1.2500	259.61	125.36	17.67	-167.21
0.9375	273.29	131.90	19.40	-166.02

ProfileII site 800

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	15.89	11.93	54.67	-120.94
7500.0000	15.91	11.89	54.54	-121.32
5000.0000	15.25	11.70	53.50	-122.22
3750.0000	14.87	11.59	53.07	-122.93
2560.0000	13.87	11.26	51.37	-125.35
1920.0000	13.58	11.02	50.75	-126.29
1280.0000	12.94	9.92	49.50	-129.47
960.0000	12.59	9.38	47.81	-130.42
640.0000	12.56	8.13	38.70	-134.48
480.0000	12.93	8.08	32.71	-136.18
320.0000	15.31	8.73	22.98	-139.86
240.0000	17.03	9.31	20.78	-142.31
160.0000	23.36	11.58	17.16	-145.57
120.0000	27.95	12.21	15.00	-145.59
80.0000	43.08	13.16	10.52	-143.75
60.0000	53.39	13.36	9.29	-143.69
40.0000	70.78	13.54	6.81	-144.48
30.0000	74.75	13.56	6.13	-145.79
20.0000	93.68	13.81	4.40	-149.40
15.0000	116.31	14.67	4.63	-151.10
10.0000	172.72	20.98	5.26	-153.59
7.5000	211.84	24.36	5.36	-154.66
5.0000	342.22	36.55	5.91	-155.22
3.7500	422.35	39.84	6.24	-153.91
2.5000	558.55	44.17	7.28	-150.67
1.8750	574.94	45.19	8.69	-149.85
1.2500	591.26	45.98	9.93	-147.84
0.9375	592.52	45.88	9.99	-147.36

Appendix D-7(5) List of the observed AMT data from profile II

ProfileII site 1000

Frequency	ρxy	ρyx	ϕxy	ϕyx
10000.0000	24.52	23.19	69.41	-128.53
7500.0000	23.71	23.21	68.60	-128.98
5000.0000	23.03	23.59	64.91	-131.90
3750.0000	24.58	23.95	62.31	-133.54
2560.0000	26.57	24.76	53.81	-136.85
1920.0000	29.02	25.32	49.01	-138.30
1280.0000	39.87	27.88	41.51	-141.00
960.0000	43.67	29.29	39.30	-141.55
640.0000	48.38	34.45	32.34	-142.40
480.0000	50.65	36.40	29.71	-142.70
320.0000	61.17	40.33	23.97	-143.60
240.0000	68.74	41.56	22.16	-143.83
160.0000	91.50	44.29	19.54	-143.34
120.0000	106.73	44.94	18.67	-142.68
80.0000	149.60	45.93	14.88	-139.92
60.0000	174.18	45.84	14.25	-139.23
40.0000	228.64	43.94	12.73	-139.65
30.0000	256.87	43.06	12.66	-140.54
20.0000	309.59	42.43	12.02	-144.80
15.0000	340.52	44.14	11.34	-146.75
10.0000	515.83	54.86	12.02	-152.53
7.5000	639.53	61.75	11.76	-155.08
5.0000	936.61	88.36	8.09	-161.54
3.7500	1127.72	97.03	7.72	-162.96
2.5000	1412.70	114.19	8.53	-165.16
1.8750	1502.17	119.27	9.19	-165.61
1.2500	1581.67	124.84	12.00	-165.16
0.9375	1584.72	125.67	12.69	-164.59

ProfileII site 1300

Frequency	ρxy	ρyx	ϕxy	ϕyx
10000.0000	138.67	94.45	49.70	-128.91
7500.0000	144.16	94.47	47.70	-129.00
5000.0000	157.66	87.46	42.21	-129.28
3750.0000	176.27	81.85	39.91	-129.71
2560.0000	216.26	75.13	34.93	-130.93
1920.0000	246.25	72.71	33.07	-131.42
1280.0000	311.85	74.75	34.24	-132.66
960.0000	331.36	81.30	35.57	-132.87
640.0000	370.19	98.42	35.75	-132.34
480.0000	395.68	105.30	35.84	-132.37
320.0000	451.22	112.58	34.80	-135.99
240.0000	478.25	113.12	32.73	-136.01
160.0000	561.82	110.54	27.38	-135.32
120.0000	620.68	109.31	26.67	-134.64
80.0000	826.04	104.79	26.20	-133.27
60.0000	906.60	97.92	25.92	-133.34
40.0000	1039.21	85.77	24.56	-135.03
30.0000	1095.90	83.55	23.11	-136.17
20.0000	1232.48	80.68	18.40	-140.62
15.0000	1326.72	81.22	15.77	-143.46
10.0000	1895.90	92.62	11.19	-148.90
7.5000	2447.26	109.97	9.39	-153.00
5.0000	4546.42	146.86	6.76	-157.13
3.7500	5491.87	180.30	6.74	-158.06
2.5000	8893.03	276.71	8.83	-157.96
1.8750	10143.19	324.60	10.68	-156.27
1.2500	12353.67	459.58	16.16	-150.61
0.9375	13543.78	520.52	18.42	-148.29

Appendix D-7(6) List of the observed AMT data from profile II

Profile II site 1400

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	156.64	117.86	54.64	-145.14
7500.0000	162.39	121.60	54.39	-145.03
5000.0000	188.24	134.08	51.79	-143.73
3750.0000	204.19	139.98	49.05	-143.20
2560.0000	240.98	141.48	43.24	-142.34
1920.0000	259.27	140.32	40.02	-141.81
1280.0000	310.78	141.24	35.83	-140.34
960.0000	334.30	144.14	35.28	-139.61
640.0000	357.93	149.98	34.92	-136.27
480.0000	368.38	153.09	34.46	-135.32
320.0000	387.13	160.98	31.57	-133.32
240.0000	420.19	161.71	30.48	-131.40
160.0000	518.15	157.83	28.44	-130.85
120.0000	574.13	152.98	28.25	-130.39
80.0000	719.74	132.80	27.94	-129.91
60.0000	776.43	122.41	27.44	-130.54
40.0000	866.31	106.02	25.40	-132.64
30.0000	906.78	102.62	23.79	-134.24
20.0000	1074.48	101.49	18.71	-139.88
15.0000	1234.70	102.27	16.09	-142.88
10.0000	1902.73	108.17	11.07	-147.74
7.5000	2392.73	120.72	9.52	-149.19
5.0000	3947.61	186.15	8.00	-149.85
3.7500	4766.14	217.58	7.89	-149.42
2.5000	6829.93	303.69	8.21	-147.34
1.8750	8035.33	358.30	8.72	-146.35
1.2500	10953.73	466.46	10.73	-143.45
0.9375	12051.24	478.39	11.58	-141.87

Profile II site 1600

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	65.80	60.85	52.21	-121.24
7500.0000	66.06	60.81	52.46	-120.91
5000.0000	68.59	63.02	52.79	-119.43
3750.0000	70.36	64.42	52.66	-118.26
2560.0000	75.28	67.09	51.98	-118.05
1920.0000	78.79	67.93	51.52	-118.18
1280.0000	88.91	72.95	49.91	-118.90
960.0000	94.75	74.35	49.08	-119.49
640.0000	113.61	76.72	44.85	-122.59
480.0000	120.24	75.85	43.41	-123.98
320.0000	132.95	66.19	39.62	-130.18
240.0000	137.39	60.87	38.91	-131.42
160.0000	151.15	52.95	38.38	-131.94
120.0000	155.03	50.55	37.80	-132.05
80.0000	161.09	48.91	37.19	-132.56
60.0000	163.98	47.82	36.48	-133.08
40.0000	180.00	46.90	32.56	-137.49
30.0000	191.21	47.32	29.13	-141.37
20.0000	226.03	50.54	21.72	-148.28
15.0000	239.00	54.44	18.87	-152.05
10.0000	303.19	73.67	13.00	-158.30
7.5000	342.94	87.00	11.17	-161.48
5.0000	527.00	122.26	7.75	-165.33
3.7500	643.70	141.65	7.32	-165.61
2.5000	872.33	198.82	7.55	-164.75
1.8750	974.36	220.59	8.16	-163.54
1.2500	1198.96	267.70	11.82	-159.81
0.9375	1260.85	281.30	12.87	-158.36

Appendix D-7(7) List of the observed AMT data from profile II

ProfileII site 1800

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	56.30	57.73	24.96	-118.04
7500.0000	56.30	57.44	26.29	-118.02
5000.0000	55.40	54.12	27.71	-117.17
3750.0000	54.13	53.55	28.50	-117.70
2560.0000	50.22	52.61	31.44	-120.63
1920.0000	49.27	52.39	32.31	-123.17
1280.0000	50.55	53.29	34.39	-129.97
960.0000	53.08	54.64	35.78	-133.25
640.0000	62.81	58.83	38.36	-137.61
480.0000	68.81	59.86	39.16	-138.84
320.0000	75.92	62.49	41.26	-140.46
240.0000	78.92	62.73	42.01	-140.92
160.0000	81.21	64.16	42.26	-141.17
120.0000	81.82	64.11	42.13	-141.06
80.0000	82.29	61.16	41.45	-139.74
60.0000	82.26	59.88	40.93	-139.77
40.0000	81.84	58.10	39.09	-142.24
30.0000	81.56	58.51	37.82	-144.52
20.0000	83.92	66.38	29.07	-152.16
15.0000	88.22	74.26	26.42	-156.38
10.0000	119.75	104.02	20.63	-164.15
7.5000	147.81	124.05	18.15	-166.58
5.0000	221.15	197.60	14.49	-168.91
3.7500	258.74	243.93	13.00	-168.63
2.5000	358.54	375.58	11.48	-163.89
1.8750	391.36	447.54	12.33	-160.13
1.2500	396.13	651.15	14.17	-150.52
0.9375	388.48	731.39	15.83	-146.36

ProfileII site 2000

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	105.50	111.91	74.37	-125.49
7500.0000	107.27	114.56	74.32	-125.44
5000.0000	114.23	115.73	72.75	-124.89
3750.0000	117.74	115.22	70.79	-124.84
2560.0000	119.20	116.12	66.88	-125.09
1920.0000	119.26	116.16	63.90	-124.66
1280.0000	120.25	116.16	55.48	-124.88
960.0000	119.08	115.94	52.11	-125.28
640.0000	113.53	107.71	47.06	-127.89
480.0000	106.76	107.79	46.31	-128.82
320.0000	95.48	110.24	45.89	-134.99
240.0000	96.39	110.41	45.90	-138.13
160.0000	108.44	103.59	46.02	-142.11
120.0000	113.34	100.81	45.67	-142.71
80.0000	111.22	98.15	43.43	-142.99
60.0000	106.91	98.70	42.44	-143.23
40.0000	99.33	105.31	41.57	-145.03
30.0000	97.68	112.20	40.64	-146.78
20.0000	104.78	136.51	35.57	-152.01
15.0000	117.85	154.00	31.84	-156.12
10.0000	168.39	222.85	19.12	-165.11
7.5000	197.56	271.19	15.09	-168.60
5.0000	289.56	427.10	10.31	-172.51
3.7500	327.21	530.35	9.69	-173.03
2.5000	423.45	791.19	9.25	-172.96
1.8750	492.95	882.42	9.43	-172.49
1.2500	616.49	1084.74	11.06	-171.21
0.9375	623.98	1102.26	12.14	-170.78

Appendix D-7(8) List of the observed AMT data from profile III

ProfileIII site 200

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	17.09	35.79	63.16	-144.47
7500.0000	17.19	37.58	61.23	-141.86
5000.0000	17.88	50.52	53.07	-140.27
3750.0000	18.74	58.14	50.73	-142.30
2560.0000	22.07	77.97	47.53	-145.14
1920.0000	23.22	84.97	46.55	-148.33
1280.0000	25.32	106.34	43.73	-154.57
960.0000	26.22	123.22	42.56	-158.56
640.0000	30.17	176.43	40.83	-159.81
480.0000	31.86	193.46	40.17	-159.63
320.0000	37.29	246.99	38.32	-158.90
240.0000	39.02	280.46	37.96	-157.62
160.0000	43.33	363.34	37.96	-156.81
120.0000	44.34	401.03	38.21	-156.61
80.0000	46.03	483.68	39.28	-156.28
60.0000	46.25	523.00	39.45	-156.36
40.0000	46.06	617.56	38.80	-158.28
30.0000	46.57	676.02	37.37	-160.20
20.0000	50.51	882.50	30.06	-162.77
15.0000	54.01	1036.97	26.80	-165.20
10.0000	72.50	1569.73	18.45	-168.73
7.5000	82.50	1934.42	16.27	-170.01
5.0000	124.77	3112.38	12.74	-169.07
3.7500	145.63	3821.33	11.83	-167.38
2.5000	225.66	5587.66	10.13	-164.69
1.8750	264.74	6345.97	9.91	-161.52
1.2500	379.64	7675.25	9.84	-157.47
0.9375	397.62	8060.08	9.83	-154.41

ProfileIII site 400

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	28.87	113.72	44.56	-140.07
7500.0000	29.02	111.89	44.48	-141.43
5000.0000	29.66	100.83	43.92	-146.01
3750.0000	30.45	97.05	43.33	-148.08
2560.0000	32.85	91.67	42.02	-153.33
1920.0000	34.25	91.13	41.65	-155.91
1280.0000	40.42	93.92	40.74	-158.96
960.0000	42.83	97.69	40.37	-159.31
640.0000	46.54	119.81	38.72	-159.37
480.0000	47.68	132.75	37.78	-159.35
320.0000	53.17	180.30	34.80	-159.12
240.0000	57.08	212.60	34.20	-158.94
160.0000	69.86	284.18	33.39	-158.32
120.0000	75.35	310.81	32.89	-158.40
80.0000	95.51	407.93	30.76	-160.17
60.0000	103.42	494.40	30.31	-161.26
40.0000	118.79	671.81	29.24	-164.93
30.0000	121.70	943.82	28.47	-165.53
20.0000	127.57	1321.02	25.15	-166.98
15.0000	131.17	1802.96	23.30	-167.73
10.0000	147.14	3027.32	19.12	-169.20
7.5000	159.26	4017.06	18.05	-169.44
5.0000	206.82	5421.15	16.04	-169.37
3.7500	229.39	6235.34	15.69	-168.99
2.5000	287.08	8102.45	15.89	-168.24
1.8750	302.65	9431.48	16.23	-168.17
1.2500	320.69	13499.76	17.71	-168.14
0.9375	322.40	14431.21	18.08	-168.14

Appendix D-7(9) List of the observed AMT data from profile III

ProfileIII site 600

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	119.43	124.47	51.99	-138.32
7500.0000	97.50	124.04	51.99	-138.00
5000.0000	71.06	124.10	49.28	-137.87
3750.0000	67.48	126.29	46.57	-138.43
2560.0000	64.08	134.06	45.21	-140.33
1920.0000	67.48	141.45	43.86	-141.24
1280.0000	74.83	180.52	43.18	-145.31
960.0000	78.80	203.09	40.69	-146.66
640.0000	90.86	284.82	40.34	-149.42
480.0000	93.00	315.36	39.83	-151.60
320.0000	97.87	412.15	38.35	-152.05
240.0000	105.08	450.70	38.24	-152.25
160.0000	118.48	562.51	39.00	-152.37
120.0000	127.44	591.92	39.35	-152.58
80.0000	133.34	650.15	39.51	-153.27
60.0000	128.57	672.44	38.02	-154.11
40.0000	118.66	760.82	35.79	-156.43
30.0000	111.58	812.15	34.17	-157.51
20.0000	110.18	996.59	30.99	-159.22
15.0000	119.38	1105.22	26.85	-159.98
10.0000	154.97	1589.81	21.35	-162.12
7.5000	204.00	1863.59	17.49	-163.96
5.0000	317.73	2864.03	13.56	-166.86
3.7500	407.78	3275.40	12.08	-167.04
2.5000	592.52	4481.91	12.90	-164.11
1.8750	674.02	4858.96	16.32	-162.34
1.2500	943.82	5512.09	21.77	-158.35
0.9375	1019.96	5642.56	27.40	-158.01

ProfileIII site 800

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	30.58	40.65	45.29	-127.48
7500.0000	30.64	41.49	45.62	-128.18
5000.0000	31.04	45.20	46.24	-131.28
3750.0000	31.42	46.34	47.54	-132.31
2560.0000	32.71	49.41	47.29	-135.35
1920.0000	33.29	51.33	47.44	-137.34
1280.0000	35.02	57.41	46.70	-141.64
960.0000	36.10	59.91	46.19	-142.98
640.0000	41.02	70.58	43.26	-147.27
480.0000	42.89	75.58	42.61	-147.95
320.0000	49.01	94.34	39.63	-148.33
240.0000	51.04	101.10	38.59	-148.40
160.0000	56.90	121.23	38.03	-148.48
120.0000	59.18	126.69	37.96	-148.62
80.0000	65.23	138.99	37.56	-149.55
60.0000	66.28	142.63	36.68	-150.19
40.0000	62.84	153.78	34.00	-152.70
30.0000	60.58	159.62	32.63	-153.89
20.0000	62.04	187.17	28.16	-157.51
15.0000	66.64	205.26	25.46	-159.01
10.0000	95.11	292.72	19.62	-162.91
7.5000	117.91	336.03	17.70	-164.10
5.0000	193.02	501.94	14.59	-166.42
3.7500	225.13	562.68	12.86	-166.87
2.5000	321.74	760.64	10.82	-166.91
1.8750	364.99	830.41	10.64	-166.64
1.2500	459.82	1018.50	10.40	-165.15
0.9375	477.40	1050.50	10.33	-164.85

Appendix D-7(10) List of the observed AMT data from profile III

ProfileIII site 900

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	16.99	35.58	56.07	-128.20
7500.0000	16.53	35.86	56.17	-128.20
5000.0000	13.84	37.18	55.49	-128.66
3750.0000	12.77	37.74	54.99	-129.21
2560.0000	11.12	39.82	54.52	-130.97
1920.0000	10.81	40.98	54.08	-131.87
1280.0000	10.99	46.88	52.26	-134.99
960.0000	11.28	49.24	50.86	-135.77
640.0000	12.41	53.38	47.36	-137.73
480.0000	12.67	54.50	46.45	-138.60
320.0000	13.92	56.31	42.95	-142.27
240.0000	15.06	57.75	41.49	-143.50
160.0000	17.43	67.18	38.94	-145.96
120.0000	19.40	72.83	37.88	-146.63
80.0000	23.33	89.81	34.54	-147.66
60.0000	25.32	93.94	32.58	-147.90
40.0000	28.12	101.43	28.17	-149.04
30.0000	28.48	103.80	26.09	-149.55
20.0000	28.79	112.05	21.83	-151.78
15.0000	29.32	118.62	19.45	-152.88
10.0000	30.15	149.78	15.21	-156.59
7.5000	30.49	168.18	14.08	-158.07
5.0000	30.97	238.58	12.13	-160.75
3.7500	30.78	270.59	11.91	-161.00
2.5000	28.72	361.00	13.23	-158.39
1.8750	27.34	388.63	13.93	-156.67
1.2500	24.23	438.65	16.29	-151.00
0.9375	23.63	447.56	16.70	-149.61

ProfileIII site 1000

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	126.17	134.57	55.86	-127.60
7500.0000	119.98	125.35	55.43	-128.83
5000.0000	97.50	103.10	53.79	-130.27
3750.0000	87.26	89.44	52.76	-132.82
2560.0000	72.16	73.79	50.70	-134.81
1920.0000	65.78	67.77	49.84	-135.99
1280.0000	57.57	60.11	46.17	-138.21
960.0000	55.05	54.49	44.48	-138.83
640.0000	47.34	48.76	42.74	-141.44
480.0000	44.09	46.77	41.49	-141.72
320.0000	42.46	43.95	38.34	-142.83
240.0000	42.69	43.47	37.14	-143.11
160.0000	44.30	43.47	35.64	-143.11
80.0000	49.79	50.77	35.27	-141.22
60.0000	49.55	50.80	35.29	-141.67
40.0000	48.15	51.88	34.75	-144.46
30.0000	47.71	53.08	33.74	-146.45
20.0000	48.01	56.04	27.97	-151.88
15.0000	50.83	60.24	25.17	-154.80
10.0000	70.87	78.37	16.34	-161.68
7.5000	82.29	89.65	13.17	-163.65
5.0000	111.86	118.36	8.49	-162.82
3.7500	119.40	127.12	7.89	-161.50
2.5000	140.53	138.76	7.45	-158.60
1.8750	146.63	143.51	7.43	-157.50
1.2500	155.05	164.10	7.67	-155.13
0.9375	156.70	166.39	7.82	-154.32

Appendix D-7(11) List of the observed AMT data from profile III

ProfileIII site 1200

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	325.68	466.53	54.70	-120.14
7500.0000	314.88	460.68	54.68	-121.48
5000.0000	299.00	439.21	54.07	-123.07
3750.0000	309.40	434.42	53.64	-124.27
2560.0000	341.49	445.97	52.61	-128.90
1920.0000	366.14	474.21	51.26	-132.15
1280.0000	426.60	544.59	49.33	-138.49
960.0000	467.55	580.46	47.70	-141.69
640.0000	539.44	643.07	44.08	-147.40
480.0000	588.70	702.46	42.36	-149.08
320.0000	655.75	890.90	40.22	-150.25
240.0000	700.57	970.89	39.78	-149.54
160.0000	793.18	1154.28	39.38	-147.30
120.0000	821.80	1206.92	39.60	-146.09
80.0000	873.11	1313.49	39.52	-144.42
60.0000	886.44	1342.21	38.71	-144.47
40.0000	889.35	1392.65	35.95	-146.26
30.0000	878.29	1421.11	34.39	-147.57
20.0000	901.18	1568.20	30.27	-152.26
15.0000	960.30	1678.65	28.09	-154.54
10.0000	1228.33	2215.68	23.36	-159.65
7.5000	1390.32	2534.61	21.01	-161.23
5.0000	1772.93	3752.66	16.70	-161.45
3.7500	1959.41	4281.78	16.16	-160.54
2.5000	2111.54	5541.84	17.85	-156.25
1.8750	2090.92	5960.23	18.49	-153.65
1.2500	1900.68	6714.65	19.53	-149.49
0.9375	1775.94	6892.49	19.95	-149.06

ProfileIII site 1400

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	279.87	799.02	26.31	-139.72
7500.0000	284.51	826.33	27.82	-139.86
5000.0000	337.61	918.25	30.93	-140.44
3750.0000	364.05	955.94	31.73	-140.62
2560.0000	440.88	1098.53	34.46	-140.69
1920.0000	482.60	1165.25	36.73	-141.08
1280.0000	553.57	1410.16	37.78	-141.70
960.0000	599.93	1519.75	37.73	-141.83
640.0000	654.92	1746.98	36.36	-143.36
480.0000	657.22	1838.08	34.94	-144.40
320.0000	625.29	1914.22	32.89	-145.30
240.0000	620.85	1945.20	32.33	-145.26
160.0000	629.33	2041.61	32.01	-144.49
120.0000	635.54	2121.27	32.04	-144.12
80.0000	647.52	2326.27	32.37	-143.92
60.0000	653.32	2346.98	32.78	-144.10
40.0000	672.49	2355.93	32.69	-145.30
30.0000	722.84	2371.14	31.99	-146.23
20.0000	763.22	2439.46	28.52	-148.16
15.0000	776.95	2536.96	25.51	-149.87
10.0000	969.57	3386.92	15.99	-155.07
7.5000	1184.72	4180.83	12.94	-156.79
5.0000	1787.52	6071.92	10.75	-158.63
3.7500	2121.03	6590.26	10.57	-159.07
2.5000	2816.33	7802.41	10.31	-159.03
1.8750	3175.95	8475.11	10.23	-158.73
1.2500	3815.25	9513.56	10.12	-158.18
0.9375	3993.14	9682.25	10.01	-157.21

Appendix D-7(12) List of the observed AMT data from profile III

ProfileIII site 1600

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	210.18	505.96	46.99	-124.33
7500.0000	207.70	493.23	45.28	-124.87
5000.0000	206.61	472.83	42.27	-127.64
3750.0000	212.56	484.57	40.03	-128.63
2560.0000	242.71	541.58	38.45	-130.14
1920.0000	262.12	577.46	37.43	-131.70
1280.0000	313.57	608.81	35.75	-135.22
960.0000	358.96	653.09	35.40	-139.18
640.0000	517.54	822.50	33.58	-145.64
480.0000	583.27	911.98	33.44	-146.31
320.0000	691.66	1144.61	33.18	-145.85
240.0000	723.89	1232.70	33.06	-145.50
160.0000	795.88	1369.55	33.52	-145.44
120.0000	825.81	1416.03	34.00	-145.96
80.0000	875.18	1488.68	35.33	-146.45
60.0000	883.58	1515.84	35.69	-146.49
40.0000	880.03	1568.73	35.22	-146.95
30.0000	870.68	1590.76	33.94	-147.33
20.0000	882.36	1733.00	29.02	-149.08
15.0000	911.38	1866.18	26.34	-150.54
10.0000	1108.56	2340.46	20.10	-155.80
7.5000	1294.68	2613.19	17.84	-159.18
5.0000	1918.88	3355.14	14.16	-162.43
3.7500	2283.49	3755.70	13.05	-162.71
2.5000	3164.04	4641.12	12.98	-162.20
1.8750	3636.28	5049.63	13.33	-161.06
1.2500	4811.70	5667.22	13.06	-158.00
0.9375	5246.14	5837.98	12.75	-156.23

Appendix D-7(13) List of the observed AMT data from profile IV

ProfileIV site 400

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	54.87	28.43	51.20	-118.81
7500.0000	43.47	27.02	49.80	-118.98
5000.0000	33.32	23.05	43.48	-120.28
3750.0000	31.58	22.19	40.17	-122.09
2560.0000	30.36	21.64	32.80	-128.54
1920.0000	30.69	21.98	29.43	-132.40
1280.0000	36.58	25.91	21.89	-145.50
960.0000	45.41	30.46	19.14	-150.92
640.0000	80.48	55.54	12.18	-163.51
480.0000	102.53	72.52	9.49	-166.25
320.0000	160.34	136.04	6.69	-171.72
240.0000	191.98	165.42	5.22	-173.49
160.0000	288.40	249.57	3.23	-176.14
120.0000	356.69	282.03	3.33	-176.84
80.0000	555.28	370.72	3.61	-177.25
60.0000	659.57	378.51	3.92	-176.57
40.0000	817.39	362.23	4.85	-175.49
30.0000	842.40	354.66	5.86	-175.08
20.0000	911.19	318.69	8.97	-172.69
15.0000	953.40	328.03	9.28	-171.56
10.0000	1283.01	487.12	8.27	-168.94
7.5000	1569.42	635.48	7.64	-168.49
5.0000	2578.22	1299.99	6.74	-168.51
3.7500	3622.24	1848.98	7.26	-168.66
2.5000	5131.19	2447.61	13.04	-169.08
1.8750	5829.76	2743.78	15.57	-169.17
1.2500	6459.25	3405.56	20.32	-169.15
0.9375	6551.88	3558.08	21.62	-169.10

ProfileIV site 600

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	11.68	13.78	62.17	-111.97
7500.0000	11.22	12.63	61.77	-111.99
5000.0000	10.33	10.50	59.15	-112.94
3750.0000	9.81	9.97	57.47	-113.69
2560.0000	9.09	9.07	51.83	-118.66
1920.0000	8.87	8.42	48.46	-124.89
1280.0000	9.13	7.92	37.74	-138.83
960.0000	10.11	9.26	33.41	-145.25
640.0000	14.86	17.57	21.24	-162.54
480.0000	18.13	23.13	17.77	-167.30
320.0000	27.93	40.44	9.84	-173.33
240.0000	33.27	51.08	6.99	-174.76
160.0000	47.17	76.73	5.30	-175.56
120.0000	57.86	90.11	4.99	-174.32
80.0000	102.54	112.96	4.75	-172.94
60.0000	121.04	128.58	5.37	-172.89
40.0000	151.28	151.74	9.11	-172.60
30.0000	159.97	154.04	10.70	-172.17
20.0000	173.40	155.41	12.91	-170.22
15.0000	182.93	159.63	13.69	-169.42
10.0000	256.74	204.93	13.78	-167.49
7.5000	322.98	262.28	13.31	-167.24
5.0000	585.56	429.11	11.84	-167.49
3.7500	771.51	505.97	11.81	-167.75
2.5000	1460.91	634.89	13.05	-167.94
1.8750	1937.96	652.68	13.93	-167.83
1.2500	3185.69	619.44	15.85	-166.98
0.9375	3504.21	595.51	16.05	-166.69

Appendix D-7(14) List of the observed AMT data from profile IV

ProfileIV site 800

Frequency	ρxy	ρyx	ϕxy	ϕyx
10000.0000	17.96	87.84	62.25	-125.87
7500.0000	17.55	83.84	61.68	-126.62
5000.0000	16.02	73.89	58.42	-128.79
3750.0000	16.12	72.88	55.51	-130.52
2560.0000	16.50	74.76	47.46	-133.80
1920.0000	17.03	75.17	43.53	-136.91
1280.0000	18.91	79.89	36.98	-143.12
960.0000	20.47	84.93	32.53	-145.38
640.0000	27.18	113.56	23.10	-151.48
480.0000	32.35	136.59	18.69	-155.20
320.0000	52.28	207.36	12.45	-162.44
240.0000	65.53	237.15	10.25	-163.77
160.0000	104.34	332.98	7.30	-163.91
120.0000	126.26	395.58	7.41	-162.26
80.0000	186.55	560.08	8.34	-160.26
60.0000	224.47	594.20	8.81	-160.37
40.0000	338.15	618.16	10.66	-161.78
30.0000	372.62	614.07	11.17	-162.57
20.0000	409.95	620.97	11.95	-164.02
15.0000	419.36	662.50	12.76	-164.60
10.0000	516.22	927.01	13.55	-166.10
7.5000	597.85	1080.23	14.05	-166.72
5.0000	879.69	1568.45	16.08	-167.12
3.7500	1063.70	1925.12	16.76	-166.97
2.5000	1496.75	2821.98	18.62	-165.14
1.8750	1663.32	3152.33	18.96	-163.35
1.2500	1898.00	3495.15	21.17	-160.55
0.9375	1966.60	3640.78	22.30	-159.74

ProfileIV site 1000

Frequency	ρxy	ρyx	ϕxy	ϕyx
10000.0000	7.67	6.28	61.28	-111.83
7500.0000	7.54	6.06	60.79	-112.96
5000.0000	7.30	5.63	58.59	-115.51
3750.0000	7.37	5.06	57.12	-116.67
2560.0000	7.98	4.83	51.78	-119.75
1920.0000	8.44	4.80	48.89	-121.93
1280.0000	9.89	4.82	40.85	-128.04
960.0000	10.41	4.84	36.53	-129.67
640.0000	11.60	5.02	26.12	-135.38
480.0000	12.26	5.25	21.80	-138.26
320.0000	15.19	6.38	14.76	-147.71
240.0000	16.66	7.10	14.36	-150.38
160.0000	20.93	9.24	16.97	-151.10
120.0000	22.03	10.14	18.84	-150.89
80.0000	25.23	10.80	22.47	-151.72
60.0000	27.02	11.23	23.69	-152.80
40.0000	31.31	12.72	26.05	-156.74
30.0000	32.16	13.64	26.03	-158.44
20.0000	33.87	16.63	23.09	-162.05
15.0000	35.48	19.02	20.54	-163.73
10.0000	47.41	28.51	14.81	-166.62
7.5000	55.87	35.45	12.98	-167.31
5.0000	84.82	56.48	9.50	-167.69
3.7500	96.28	66.31	9.20	-167.22
2.5000	116.43	86.21	9.11	-166.12
1.8750	127.76	93.00	8.67	-165.21
1.2500	187.52	99.77	8.14	-159.64
0.9375	212.45	101.35	8.45	-157.59

Appendix D-7(15) List of the observed AMT data from profile IV

ProfileIV site 1200

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	10.44	16.19	46.28	-123.13
7500.0000	10.98	15.47	46.01	-123.57
5000.0000	13.38	13.88	44.75	-125.84
3750.0000	15.23	13.63	44.06	-127.06
2560.0000	19.38	14.26	42.46	-131.88
1920.0000	21.64	15.42	40.47	-134.41
1280.0000	25.19	19.93	36.69	-138.77
960.0000	25.99	21.47	35.45	-140.79
640.0000	28.41	23.53	31.45	-146.39
480.0000	30.44	25.81	28.92	-149.27
320.0000	40.43	34.20	23.94	-157.37
240.0000	46.09	39.08	22.46	-160.21
160.0000	58.46	46.91	21.79	-160.92
120.0000	60.46	49.17	22.12	-159.99
80.0000	67.88	51.25	24.34	-157.60
60.0000	70.94	52.41	25.12	-157.34
40.0000	73.69	62.10	25.77	-158.45
30.0000	76.22	71.40	25.46	-159.52
20.0000	80.40	96.15	23.61	-163.27
15.0000	86.52	109.42	21.70	-165.72
10.0000	112.19	162.58	15.66	-171.00
7.5000	127.18	200.90	13.95	-171.67
5.0000	171.84	313.69	11.19	-170.65
3.7500	197.14	365.34	10.51	-168.79
2.5000	272.61	485.38	9.10	-164.39
1.8750	320.70	542.56	9.22	-162.00
1.2500	437.30	632.02	10.66	-156.84
0.9375	473.33	645.73	11.16	-155.05

ProfileIV site 1400

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	139.21	254.18	57.07	-115.59
7500.0000	142.86	258.46	56.65	-117.64
5000.0000	146.60	275.23	54.08	-123.86
3750.0000	146.60	290.15	52.79	-126.64
2560.0000	154.39	354.39	49.19	-132.64
1920.0000	158.43	404.32	47.55	-135.48
1280.0000	185.03	533.66	43.10	-139.22
960.0000	210.57	593.01	41.43	-141.63
640.0000	233.52	704.00	35.75	-145.25
480.0000	265.76	751.79	34.02	-146.44
320.0000	335.42	804.75	30.00	-150.62
240.0000	381.72	815.93	28.68	-153.03
160.0000	456.65	916.89	25.46	-155.70
120.0000	506.77	1003.73	24.54	-157.06
80.0000	615.74	1416.89	22.57	-160.22
60.0000	696.20	1584.51	21.92	-161.00
40.0000	710.69	1867.88	20.85	-162.03
30.0000	684.11	1964.91	20.38	-162.19
20.0000	610.13	2088.64	17.98	-161.63
15.0000	582.70	2251.66	17.39	-161.16
10.0000	747.82	3440.54	16.08	-162.41
7.5000	919.72	4613.21	15.45	-163.44
5.0000	1583.21	8892.08	13.20	-164.83
3.7500	1864.31	10876.02	12.85	-165.12
2.5000	2037.54	14870.94	12.47	-164.02
1.8750	2050.51	16427.13	12.26	-162.55
1.2500	1998.16	19823.37	11.96	-159.86
0.9375	1947.14	20346.69	11.94	-159.61

Appendix D-7(16) List of the observed AMT data from profile IV

ProfileIV site 1600

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	254.18	296.85	39.21	-129.77
7500.0000	257.31	301.17	40.26	-130.59
5000.0000	259.20	313.87	44.67	-133.75
3750.0000	256.49	322.38	45.97	-135.02
2560.0000	245.81	314.92	47.57	-139.72
1920.0000	241.30	306.63	47.77	-143.21
1280.0000	244.21	294.95	46.61	-151.35
960.0000	268.81	297.03	44.88	-154.02
640.0000	363.86	335.43	40.65	-160.33
480.0000	424.24	386.07	39.57	-161.42
320.0000	492.09	451.91	35.50	-162.09
240.0000	499.66	480.91	34.59	-162.58
160.0000	512.93	661.51	31.58	-163.22
120.0000	562.87	745.41	30.98	-164.23
80.0000	651.85	888.52	29.05	-170.06
60.0000	735.26	943.10	28.66	-171.78
40.0000	825.39	990.81	27.04	-173.50
30.0000	834.78	1057.05	25.66	-173.55
20.0000	821.02	1214.32	23.94	-172.22
15.0000	833.57	1411.02	23.47	-171.85
10.0000	1012.09	2101.78	20.19	-171.44
7.5000	1214.13	2431.30	17.73	-171.16
5.0000	1786.68	3439.70	11.16	-169.75
3.7500	2082.05	3981.36	9.22	-169.23
2.5000	2661.74	5886.77	7.36	-167.58
1.8750	2946.59	7103.55	6.89	-166.07
1.2500	3419.09	8952.12	6.44	-161.06
0.9375	3501.46	9300.65	6.56	-159.88

ProfileIV site 1700

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	115.98	37.49	54.70	-122.29
7500.0000	108.40	38.12	54.55	-122.67
5000.0000	85.57	40.88	53.65	-123.75
3750.0000	82.67	43.82	52.53	-124.56
2560.0000	84.78	54.92	48.23	-125.91
1920.0000	90.46	62.98	45.84	-127.24
1280.0000	138.43	86.22	42.56	-130.35
960.0000	189.15	100.62	42.00	-131.36
640.0000	282.90	144.43	41.49	-133.17
480.0000	327.87	164.79	40.35	-134.30
320.0000	439.01	241.66	38.78	-138.71
240.0000	473.94	268.20	37.51	-140.66
160.0000	504.60	322.04	35.38	-145.10
120.0000	515.30	343.99	35.16	-148.28
80.0000	537.16	407.65	34.52	-158.03
60.0000	557.08	468.44	33.31	-161.48
40.0000	570.27	708.05	30.01	-165.85
30.0000	557.27	798.36	28.11	-168.05
20.0000	553.85	946.54	23.84	-171.82
15.0000	587.06	1130.98	21.64	-172.68
10.0000	835.87	1624.29	16.09	-174.04
7.5000	1078.26	1958.54	13.58	-174.04
5.0000	1710.94	2997.20	9.21	-171.78
3.7500	2290.24	3615.88	8.14	-170.18
2.5000	2930.27	5178.05	7.64	-165.44
1.8750	3256.05	5961.70	8.57	-162.19
1.2500	4370.75	7629.49	12.76	-155.00
0.9375	4684.11	8210.17	14.96	-152.55

Appendix D-7(17) List of the observed AMT data from profile IV

ProfileIV site 1800

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	201.70	142.86	61.57	-127.97
7500.0000	190.20	142.86	58.17	-128.80
5000.0000	166.16	138.34	50.73	-132.66
3750.0000	159.94	134.89	49.17	-134.19
2560.0000	156.61	125.79	48.38	-141.28
1920.0000	161.61	117.38	48.31	-145.68
1280.0000	183.40	106.50	47.70	-150.85
960.0000	205.08	105.66	46.47	-153.94
640.0000	252.35	120.91	44.20	-160.38
480.0000	266.76	139.87	43.20	-161.24
320.0000	279.02	167.39	39.00	-164.08
240.0000	288.45	173.50	37.14	-164.64
160.0000	324.49	187.66	34.22	-163.37
120.0000	355.29	203.08	33.19	-162.92
80.0000	452.43	221.83	30.64	-162.75
60.0000	501.47	254.32	29.41	-162.75
40.0000	583.86	419.42	28.16	-164.03
30.0000	611.57	498.01	27.66	-165.23
20.0000	670.92	647.33	26.30	-169.47
15.0000	696.21	760.18	25.85	-170.54
10.0000	769.53	1013.73	22.01	-172.70
7.5000	858.46	1206.91	18.09	-173.04
5.0000	1165.20	1905.51	12.38	-172.39
3.7500	1375.93	2316.80	11.66	-171.89
2.5000	1876.44	3070.11	11.39	-171.68
1.8750	2287.27	3233.25	11.63	-171.82
1.2500	3405.31	3553.93	12.56	-171.38
0.9375	3687.21	3665.58	12.67	-171.07

ProfileIV site 2000

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	58.88	38.14	49.16	-118.43
7500.0000	57.47	35.77	50.34	-117.12
5000.0000	48.65	28.41	53.28	-113.88
3750.0000	43.91	25.45	53.83	-113.29
2560.0000	34.64	19.80	53.63	-113.17
1920.0000	31.71	18.44	53.22	-114.00
1280.0000	28.16	18.16	51.43	-119.66
960.0000	26.50	18.79	49.79	-123.18
640.0000	24.09	23.36	46.21	-133.19
480.0000	24.08	25.92	44.24	-136.55
320.0000	26.35	30.89	38.36	-145.10
240.0000	28.86	33.42	35.25	-149.64
160.0000	39.02	42.42	27.10	-154.41
120.0000	49.40	49.06	22.53	-156.39
80.0000	89.43	68.69	13.03	-159.34
60.0000	110.06	81.00	10.40	-160.17
40.0000	139.78	97.32	8.12	-164.05
30.0000	144.73	102.20	8.22	-164.83
20.0000	145.00	118.57	10.61	-167.24
15.0000	155.11	131.90	11.17	-168.00
10.0000	257.23	239.89	11.86	-170.08
7.5000	352.70	346.92	11.54	-170.58
5.0000	600.13	581.28	11.71	-170.89
3.7500	709.07	648.80	12.52	-170.71
2.5000	914.03	798.36	15.58	-169.06
1.8750	990.99	861.77	18.11	-167.84
1.2500	1051.37	983.86	23.54	-163.26
0.9375	1066.57	993.92	25.80	-161.99

Appendix D-7(18) List of the observed AMT data from profile Ⅳ

ProfileⅣ site 2200

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	41.22	40.16	70.30	-128.20
7500.0000	38.94	37.80	70.25	-126.17
5000.0000	33.90	31.34	68.74	-124.82
3750.0000	31.54	28.44	66.71	-126.17
2560.0000	27.84	24.16	61.49	-128.88
1920.0000	26.18	23.27	58.27	-131.59
1280.0000	22.89	22.73	52.86	-137.01
960.0000	22.34	22.00	51.17	-141.04
640.0000	21.74	22.53	46.51	-148.42
480.0000	21.88	24.02	44.38	-155.83
320.0000	24.27	32.77	35.29	-166.13
240.0000	25.93	38.87	30.59	-172.58
160.0000	32.74	57.35	21.06	-175.57
120.0000	38.00	69.37	18.38	-175.11
80.0000	63.93	105.09	11.99	-174.09
60.0000	73.86	121.83	10.39	-172.64
40.0000	85.03	149.61	8.38	-170.66
30.0000	87.31	158.80	8.27	-168.63
20.0000	94.29	183.20	8.69	-168.29
15.0000	102.64	207.38	8.85	-168.57
10.0000	159.42	314.53	9.77	-169.98
7.5000	190.41	394.41	9.98	-171.47
5.0000	292.40	642.87	10.57	-172.53
3.7500	331.93	754.96	10.98	-171.76
2.5000	418.44	949.16	12.55	-170.20
1.8750	440.10	1021.55	13.38	-168.85
1.2500	460.71	1146.43	16.40	-162.75
0.9375	464.61	1176.95	16.93	-158.01

ProfileⅣ site 2400

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	34.44	14.16	35.05	-131.52
7500.0000	31.06	14.15	33.69	-131.01
5000.0000	31.06	13.56	31.78	-129.56
3750.0000	34.18	12.91	28.40	-128.20
2560.0000	43.05	11.45	27.15	-127.53
1920.0000	52.10	11.24	27.80	-128.88
1280.0000	62.69	13.76	30.70	-132.95
960.0000	66.82	17.03	33.06	-144.12
640.0000	74.60	31.91	34.47	-152.27
480.0000	81.86	40.46	34.24	-156.55
320.0000	91.97	68.42	33.55	-160.32
240.0000	99.10	89.02	33.26	-162.53
160.0000	109.72	123.83	33.99	-162.1
120.0000	116.22	132.17	34.44	-162.90
80.0000	121.09	149.91	34.82	-164.05
60.0000	117.91	158.14	34.61	-164.10
40.0000	114.65	164.36	33.88	-161.70
30.0000	115.27	160.02	30.65	-160.57
20.0000	122.05	168.36	25.65	-160.10
15.0000	137.44	195.26	20.48	-161.06
10.0000	176.38	317.55	15.17	-163.04
7.5000	239.64	370.42	11.67	-166.71
5.0000	384.26	498.77	9.52	-166.82
3.7500	546.93	555.96	9.17	-164.55
2.5000	762.80	702.10	9.97	-161.43
1.8750	926.22	783.21	11.45	-159.84
1.2500	1112.58	935.14	13.71	-158.75
0.9375	1294.04	942.07	16.74	-158.15

Appendix D-7(19) List of the observed AMT data from profile Ⅳ

ProfileⅣ site 2600

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	87.86	50.21	48.62	-124.63
7500.0000	90.02	46.63	48.71	-124.31
5000.0000	96.37	39.43	47.68	-123.97
3750.0000	96.92	35.96	45.65	-123.64
2560.0000	99.50	29.95	41.71	-123.36
1920.0000	105.88	27.46	40.33	-123.51
1280.0000	119.33	25.95	38.64	-124.94
960.0000	125.90	25.99	38.42	-127.01
640.0000	135.15	27.27	38.46	-131.84
480.0000	134.97	27.67	38.55	-133.48
320.0000	138.68	31.92	38.38	-137.22
240.0000	139.56	33.98	38.35	-141.51
160.0000	148.48	43.20	37.47	-152.66
120.0000	156.57	45.37	37.13	-156.40
80.0000	166.09	52.10	36.47	-162.30
60.0000	165.92	53.33	35.41	-163.36
40.0000	158.78	52.74	33.59	-162.30
30.0000	159.15	51.34	32.67	-161.06
20.0000	172.21	49.49	29.60	-158.88
15.0000	189.67	50.59	26.80	-158.65
10.0000	273.16	63.97	19.83	-160.14
7.5000	339.87	78.88	16.71	-162.03
5.0000	567.08	135.66	12.98	-164.13
3.7500	703.15	166.84	12.24	-163.53
2.5000	1030.29	210.57	12.05	-157.94
1.8750	1148.92	245.92	13.31	-155.38
1.2500	1290.08	279.87	17.88	-150.78
0.9375	1317.11	302.45	19.67	-148.84

Appendix D-7(20) List of the observed AMT data from profile V

ProfileV site 200

Frequency	ρxy	ρyx	ϕxy	ϕyx
10000.0000	285.12	196.65	44.47	-129.93
7500.0000	311.04	210.37	45.79	-130.74
5000.0000	407.62	285.73	49.18	-132.95
3750.0000	459.49	330.26	49.87	-133.77
2560.0000	570.53	448.03	50.57	-135.96
1920.0000	629.84	509.91	50.91	-136.40
1280.0000	736.62	675.22	50.91	-134.23
960.0000	753.19	707.55	50.24	-134.43
640.0000	756.30	756.47	48.74	-135.71
480.0000	749.14	756.66	47.47	-136.16
320.0000	703.90	724.37	43.97	-137.04
240.0000	642.91	702.79	43.12	-139.30
160.0000	508.41	637.90	40.35	-142.34
120.0000	437.63	627.72	39.48	-145.19
80.0000	376.47	636.75	38.76	-153.56
60.0000	344.74	665.57	37.79	-157.39
40.0000	335.02	794.00	36.54	-161.31
30.0000	329.11	850.68	35.17	-162.09
20.0000	327.98	1002.59	29.85	-161.94
15.0000	349.42	1080.67	27.15	-161.17
10.0000	428.77	1475.60	19.07	-160.91
7.5000	485.60	1668.61	16.03	-160.91
5.0000	636.77	2377.69	10.55	-159.88
3.7500	720.16	2677.87	8.92	-159.31
2.5000	991.29	3776.40	6.19	-155.86
1.8750	1155.63	4177.50	6.09	-153.16
1.2500	1524.65	5281.24	7.62	-146.94
0.9375	1670.42	5482.18	8.24	-145.20

ProfileV site 400

Frequency	ρxy	ρyx	ϕxy	ϕyx
10000.0000	245.92	125.17	29.26	-128.20
7500.0000	310.38	139.39	28.63	-128.20
5000.0000	412.52	185.59	23.29	-128.88
3750.0000	494.40	223.31	18.89	-129.56
2560.0000	691.99	305.41	10.38	-133.58
1920.0000	879.70	345.50	7.36	-137.01
1280.0000	1184.34	455.90	3.20	-142.66
960.0000	1517.34	495.14	2.27	-145.44
640.0000	1938.68	610.11	1.17	-148.31
480.0000	2457.48	665.48	1.68	-150.84
320.0000	3022.39	799.85	6.38	-153.14
240.0000	3266.24	832.30	8.40	-153.42
160.0000	3439.64	924.66	10.18	-156.04
120.0000	3182.84	947.88	11.47	-156.87
80.0000	3022.39	997.80	12.74	-159.86
60.0000	2768.83	993.82	13.31	-161.36
40.0000	2333.59	869.56	14.03	-160.49
30.0000	2017.20	819.64	13.90	-159.18
20.0000	1897.43	725.50	12.85	-156.88
15.0000	1848.98	717.88	12.70	-156.46
10.0000	1947.14	802.70	12.07	-157.45
7.5000	2394.73	859.65	11.65	-158.26
5.0000	3504.71	1001.60	11.22	-161.92
3.7500	4542.94	1105.98	11.32	-163.43
2.5000	6014.06	1371.29	12.09	-162.07
1.8750	6398.72	1543.31	13.61	-160.04
1.2500	6235.34	1937.26	15.17	-157.66
0.9375	5769.83	2087.29	15.68	-155.74

Appendix D-7(21) List of the observed AMT data from profile V

ProfileV site 600

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	52.22	62.44	47.74	-130.00
7500.0000	53.50	64.08	47.31	-132.66
5000.0000	61.05	74.83	44.81	-143.77
3750.0000	66.70	85.17	41.38	-150.74
2560.0000	84.73	102.07	32.26	-159.26
1920.0000	97.64	113.19	27.19	-162.17
1280.0000	139.21	139.21	17.59	-166.81
960.0000	174.82	185.03	14.23	-168.50
640.0000	252.36	265.76	9.31	-173.39
480.0000	317.66	326.85	7.82	-174.59
320.0000	482.29	481.77	2.60	-177.32
240.0000	640.32	728.72	1.94	-177.68
160.0000	1015.83	943.82	1.25	-176.53
120.0000	1355.63	1254.43	0.89	-174.94
80.0000	2025.82	1542.78	1.41	-173.04
60.0000	2296.34	1755.77	1.84	-172.79
40.0000	2759.35	1710.94	3.01	-173.53
30.0000	2899.01	1542.78	4.56	-173.42
20.0000	3373.37	1287.29	6.38	-172.32
15.0000	3707.10	1222.40	7.41	-171.92
10.0000	5371.35	1160.77	8.02	-169.66
7.5000	6080.19	1191.19	7.56	-168.50
5.0000	7767.48	1222.40	5.73	-164.80
3.7500	8142.62	1355.63	4.92	-163.17
2.5000	8108.71	1503.39	3.92	-158.47
1.8750	7886.38	1583.21	4.01	-156.82
1.2500	6790.30	1710.94	5.47	-154.84
0.9375	6379.28	2050.51	6.23	-154.65

ProfileV site 800

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	11.51	20.01	51.43	-119.89
7500.0000	11.60	19.70	50.99	-119.58
5000.0000	12.04	18.27	47.77	-121.52
3750.0000	12.38	17.66	45.23	-124.21
2560.0000	13.97	16.44	36.52	-133.69
1920.0000	15.79	15.96	31.16	-140.70
1280.0000	20.01	15.91	18.17	-161.01
960.0000	31.79	17.32	14.01	-168.36
640.0000	58.27	26.86	5.18	-175.23
480.0000	74.83	35.10	3.09	-176.92
320.0000	110.99	58.88	2.09	-177.77
240.0000	146.60	68.26	1.89	-177.68
160.0000	205.20	96.99	1.26	-177.48
120.0000	287.20	113.73	1.31	-177.15
80.0000	418.76	138.01	1.75	-176.37
60.0000	472.45	147.38	1.84	-175.56
40.0000	592.52	157.71	2.70	-174.77
30.0000	629.13	157.46	4.06	-174.21
20.0000	703.95	144.66	5.80	-171.02
15.0000	796.48	134.63	5.89	-169.35
10.0000	1131.14	125.17	4.89	-169.33
7.5000	1534.43	126.04	4.25	-169.95
5.0000	1947.14	136.24	3.63	-170.97
3.7500	2215.95	147.95	4.01	-171.39
2.5000	2457.48	177.17	6.94	-172.63
1.8750	2587.95	187.58	7.78	-172.77
1.2500	2790.46	211.06	9.37	-170.99
0.9375	2795.93	225.73	9.80	-169.59

Appendix D-7(22) List of the observed AMT data from profile V

ProfileV site 1000

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	31.01	19.00	53.92	-149.86
7500.0000	29.47	16.70	53.56	-150.05
5000.0000	28.04	14.17	50.93	-151.77
3750.0000	27.79	13.19	48.90	-153.31
2560.0000	28.82	13.07	43.59	-158.63
1920.0000	30.73	13.68	41.47	-161.85
1280.0000	36.84	18.58	35.98	-169.02
960.0000	39.60	23.87	33.74	-172.97
640.0000	44.54	41.17	28.20	-175.52
480.0000	45.69	49.62	26.47	-175.85
320.0000	48.57	63.35	23.16	-174.71
240.0000	50.20	68.03	22.24	-172.92
160.0000	54.14	74.87	22.05	-169.18
120.0000	55.06	76.30	23.08	-166.32
80.0000	59.21	76.87	24.33	-161.21
60.0000	62.11	77.28	24.70	-159.68
40.0000	72.67	84.10	24.04	-157.53
30.0000	78.30	87.65	23.29	-158.00
20.0000	97.42	106.16	20.20	-162.24
15.0000	112.97	119.73	18.01	-164.70
10.0000	196.21	176.65	13.65	-169.24
7.5000	241.40	208.32	12.06	-169.72
5.0000	360.54	272.89	9.78	-170.34
3.7500	409.54	302.75	9.48	-169.81
2.5000	523.93	354.38	10.25	-165.62
1.8750	570.10	366.91	10.64	-163.03
1.2500	715.05	365.52	13.47	-155.66
0.9375	751.35	361.04	14.36	-153.61

ProfileV site 1200

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	25.00	365.09	40.47	-144.36
7500.0000	25.16	369.39	39.79	-144.87
5000.0000	25.25	354.56	36.35	-146.93
3750.0000	25.57	344.64	35.66	-148.14
2560.0000	28.25	329.02	33.27	-151.71
1920.0000	30.12	334.43	31.27	-153.94
1280.0000	35.89	419.39	26.13	-157.27
960.0000	38.88	486.39	24.16	-159.29
640.0000	47.97	683.75	17.32	-163.83
480.0000	52.72	778.35	15.24	-165.52
320.0000	64.95	1037.64	12.89	-168.39
240.0000	70.48	1175.42	12.97	-169.06
160.0000	86.26	1523.12	15.52	-170.14
120.0000	93.51	1672.10	17.39	-170.33
80.0000	114.67	1806.17	20.15	-170.05
60.0000	123.03	1853.62	20.64	-169.76
40.0000	137.00	1825.37	19.99	-168.54
30.0000	139.29	1813.62	19.44	-168.38
20.0000	150.57	1917.75	18.33	-168.56
15.0000	168.37	2074.73	17.15	-168.76
10.0000	233.52	2633.21	12.77	-169.35
7.5000	307.32	3078.10	11.80	-169.38
5.0000	450.03	4819.66	11.12	-168.92
3.7500	562.65	5776.32	11.09	-168.14
2.5000	775.94	7559.90	11.95	-163.65
1.8750	862.62	8542.57	11.99	-161.27
1.2500	1100.97	11019.16	10.55	-151.57
0.9375	1149.89	12019.20	10.08	-148.38

Appendix D-7(23) List of the observed AMT data from profile V

ProfileV site 1400

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	36.89	99.96	61.59	-125.68
7500.0000	36.81	102.46	60.34	-126.06
5000.0000	35.78	112.03	55.99	-126.96
3750.0000	34.69	115.78	52.81	-127.59
2560.0000	32.88	132.64	44.57	-129.99
1920.0000	31.80	141.13	40.03	-131.98
1280.0000	30.48	155.49	31.60	-137.30
960.0000	31.22	160.52	29.41	-139.60
640.0000	35.71	164.76	25.62	-146.95
480.0000	37.92	170.19	23.65	-149.65
320.0000	44.23	188.96	22.23	-152.87
240.0000	47.34	201.49	22.06	-155.20
160.0000	52.84	226.47	22.33	-157.72
120.0000	56.63	242.66	21.71	-158.62
80.0000	74.62	288.44	21.84	-161.13
60.0000	81.91	316.22	21.70	-162.34
40.0000	89.01	366.85	20.94	-164.06
30.0000	88.41	402.47	20.33	-164.96
20.0000	91.19	489.57	18.35	-167.25
15.0000	100.77	537.75	17.12	-168.04
10.0000	148.62	710.84	12.95	-168.86
7.5000	189.91	836.76	11.21	-168.58
5.0000	330.31	1257.39	8.60	-164.74
3.7500	407.07	1504.95	8.37	-161.08
2.5000	554.09	2088.16	9.77	-157.18
1.8750	626.28	2306.49	9.88	-156.85
1.2500	756.30	2574.63	8.89	-157.76
0.9375	792.32	2614.51	8.31	-158.72

ProfileV site 1600

Frequency	ρxy	ρyx	φxy	φyx
10000.0000	49.40	36.71	54.51	-112.51
7500.0000	45.95	35.15	54.19	-113.69
5000.0000	32.43	26.97	53.31	-116.63
3750.0000	28.17	24.00	51.52	-117.51
2560.0000	23.67	20.60	50.10	-120.26
1920.0000	22.93	19.72	48.66	-121.93
1280.0000	22.68	18.72	42.44	-127.71
960.0000	23.24	18.08	39.13	-132.31
640.0000	27.90	17.67	31.51	-141.07
480.0000	31.15	18.00	28.10	-144.10
320.0000	43.75	20.81	20.95	-147.25
240.0000	49.79	23.52	18.86	-148.64
160.0000	56.67	32.92	16.46	-151.74
120.0000	57.05	38.30	15.98	-153.56
80.0000	54.86	47.45	14.85	-156.30
60.0000	54.55	49.92	14.78	-156.76
40.0000	55.05	52.33	16.06	-157.13
30.0000	55.01	53.84	16.55	-158.30
20.0000	56.67	60.57	16.73	-159.90
15.0000	60.90	66.82	15.99	-161.22
10.0000	94.55	90.95	13.98	-165.18
7.5000	119.73	108.71	13.44	-167.23
5.0000	180.91	162.90	14.01	-169.46
3.7500	214.58	192.81	15.20	-168.20
2.5000	270.14	252.79	19.13	-165.92
1.8750	290.55	271.84	21.58	-165.63
1.2500	315.51	287.62	27.19	-166.60
0.9375	319.21	289.07	29.09	-167.06

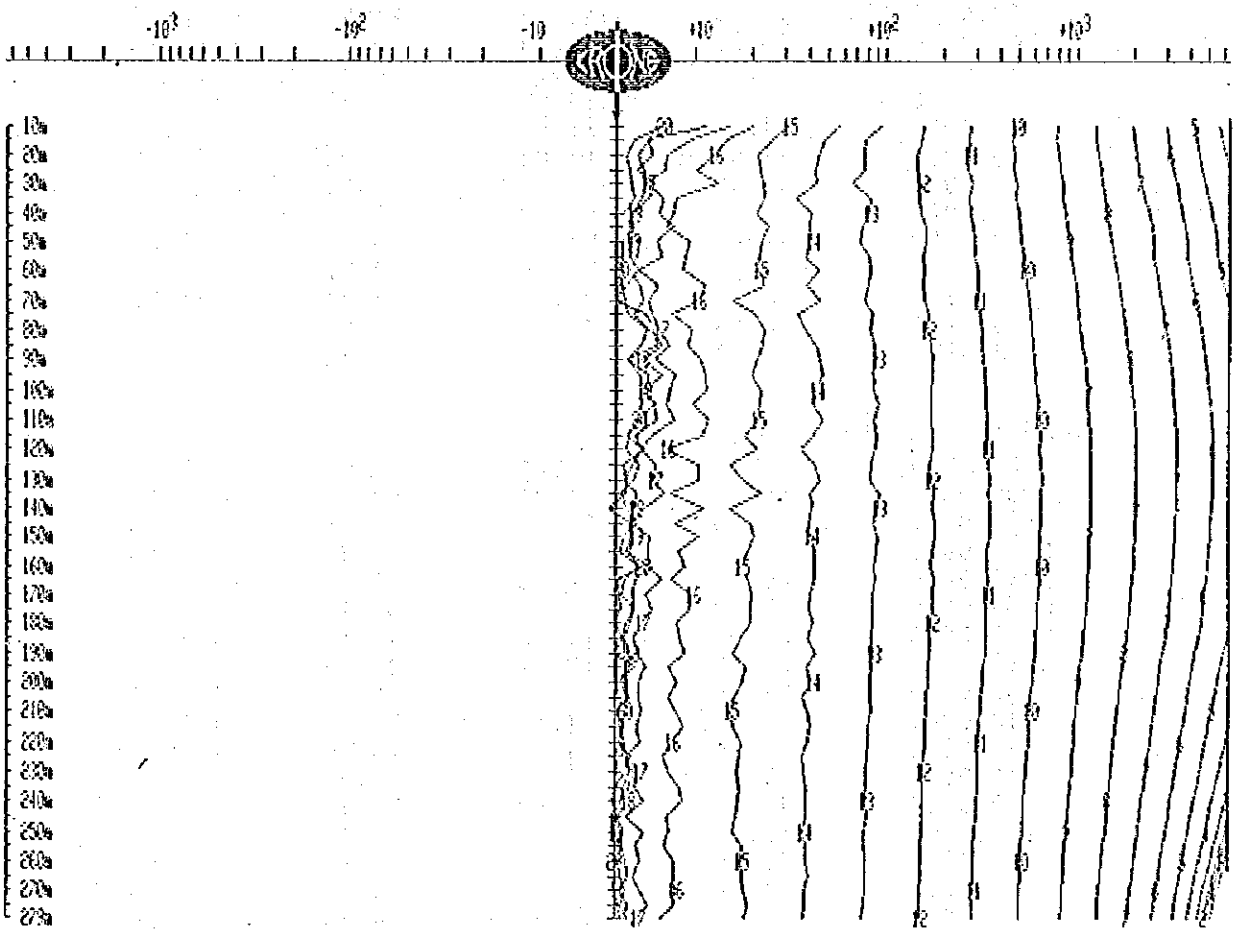
CRONE GEOPHYSICS & EXPLORATION LTD

BOREHOLE PEM

Client : ENAMI
Grid : PROGRESO
Date : Nov 11, 1994

Hole : DDH1A
Tx Loop : C
File name : DDH1AZC.PEM

Z COMPONENT dBz/dt nanoTesla/sec - 20 channels and PP



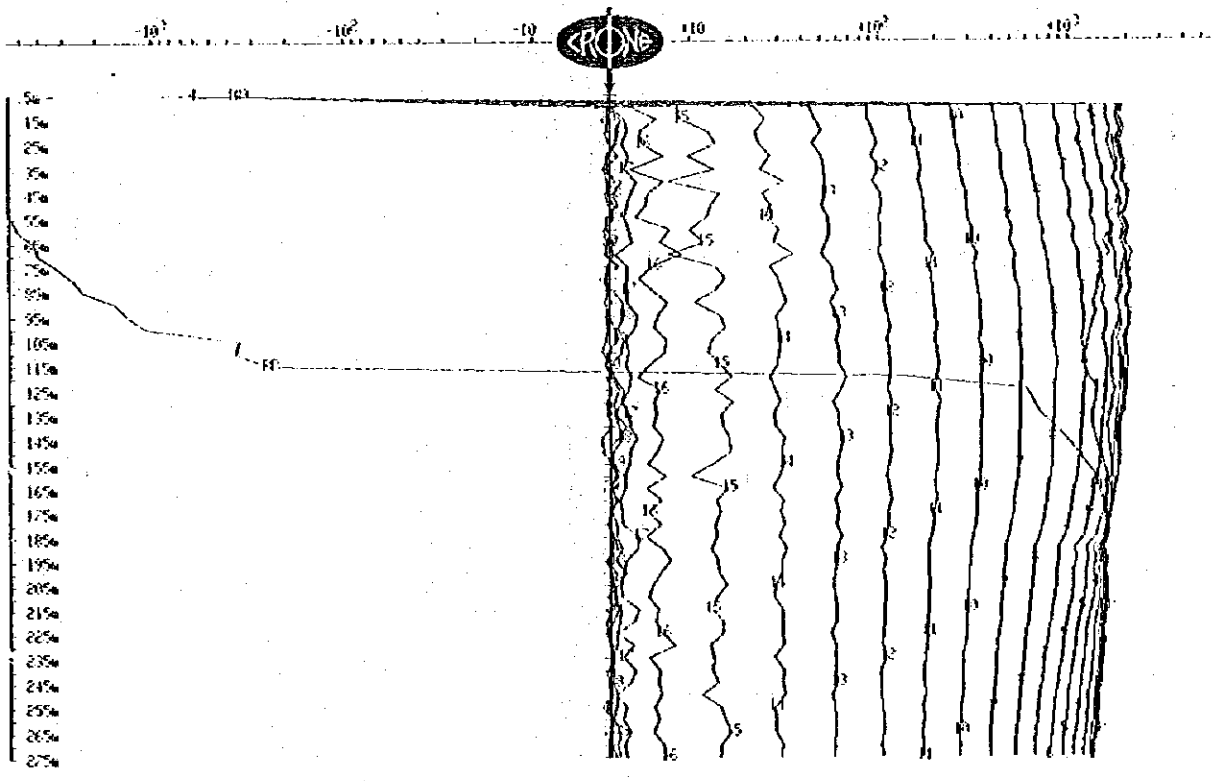
D-8(1) PEM observed data for DDH-1A, Central loop Z component

CRONE GEOPHYSICS & EXPLORATION LTD

BOREHOLE PEM

Client	: ENAMI	Hole	: DDH1A
Grid	: PROGRESO	Tx Loop	: N
Date	: Nov 12, 1994	File name	: DDH1AZN.PEM

Data Scaled by Factor of -1.00
Z COMPONENT dBz/dt nanoTesla/sec - 20 channels and PP



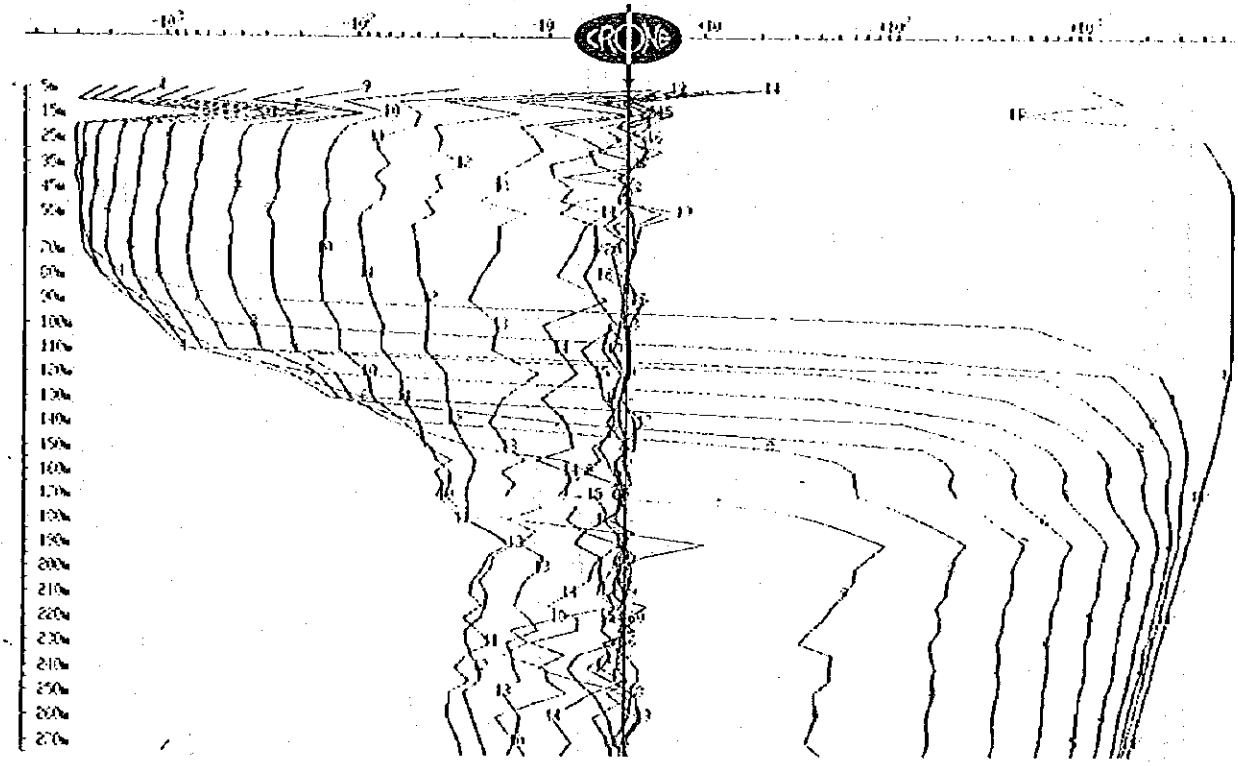
D-8(2) PEM observed data for DDH-1A, North loop Z component

CRONE GEOPHYSICS & EXPLORATION LTD

BOREHOLE PEM

Client	: ENAMI	Hole	: DDH1A
Grid	: PROGRESO	Tx Loop	: N
Date	: Nov 11, 1994	File name	: DDH1AXYN.PEM

Data Corrected for Probe Rotation using Cleaned PP
X COMPONENT dBx/dt nanoTesla/sec - 20 channels and PP



D-8(3) PEM observed data for DDH-1A, North loop X component

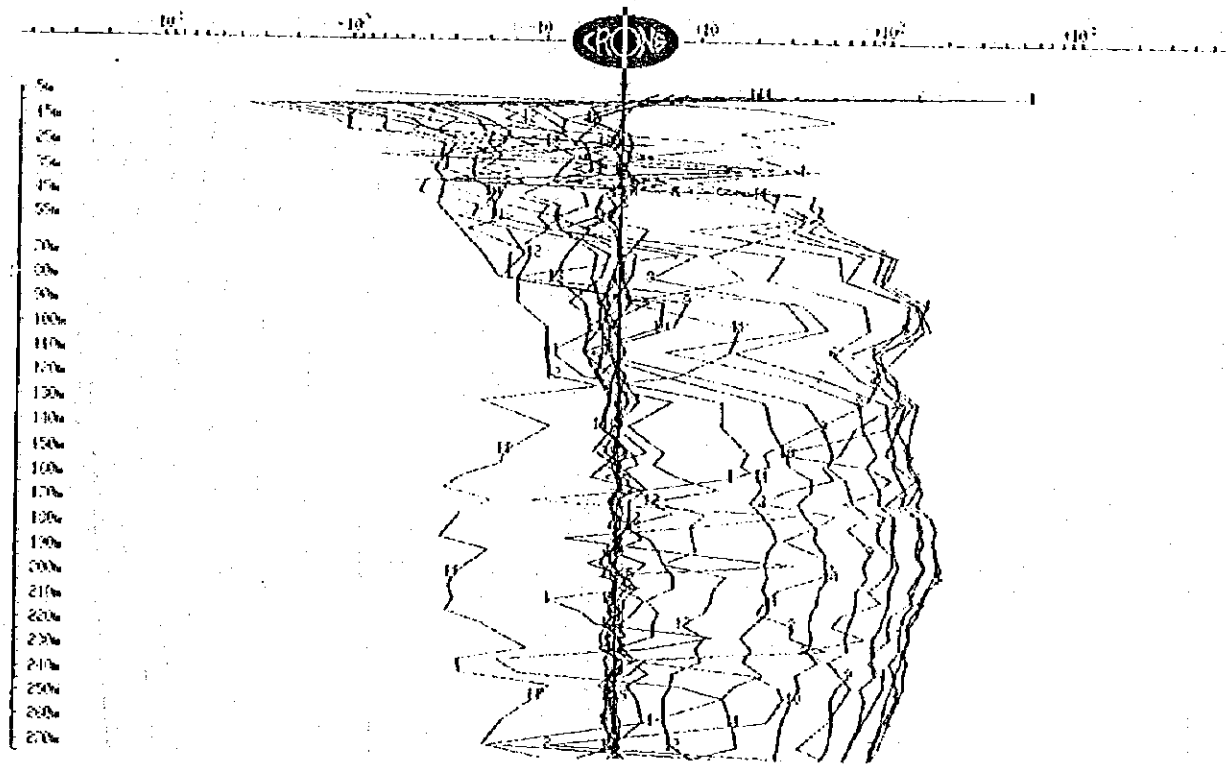
CRONE GEOPHYSICS & EXPLORATION LTD

BOREHOLE PEM

Client : ENAMI
Grid : PROGRESO
Date : Nov 11, 1994

Hole : DDH1A
Tx Loop : N
File name : DDH1AXYN.PEM

Data Corrected for Probe Rotation using Cleaned PP
Y COMPONENT dBy/dt nanoTesla/sec - 20 channels and PP

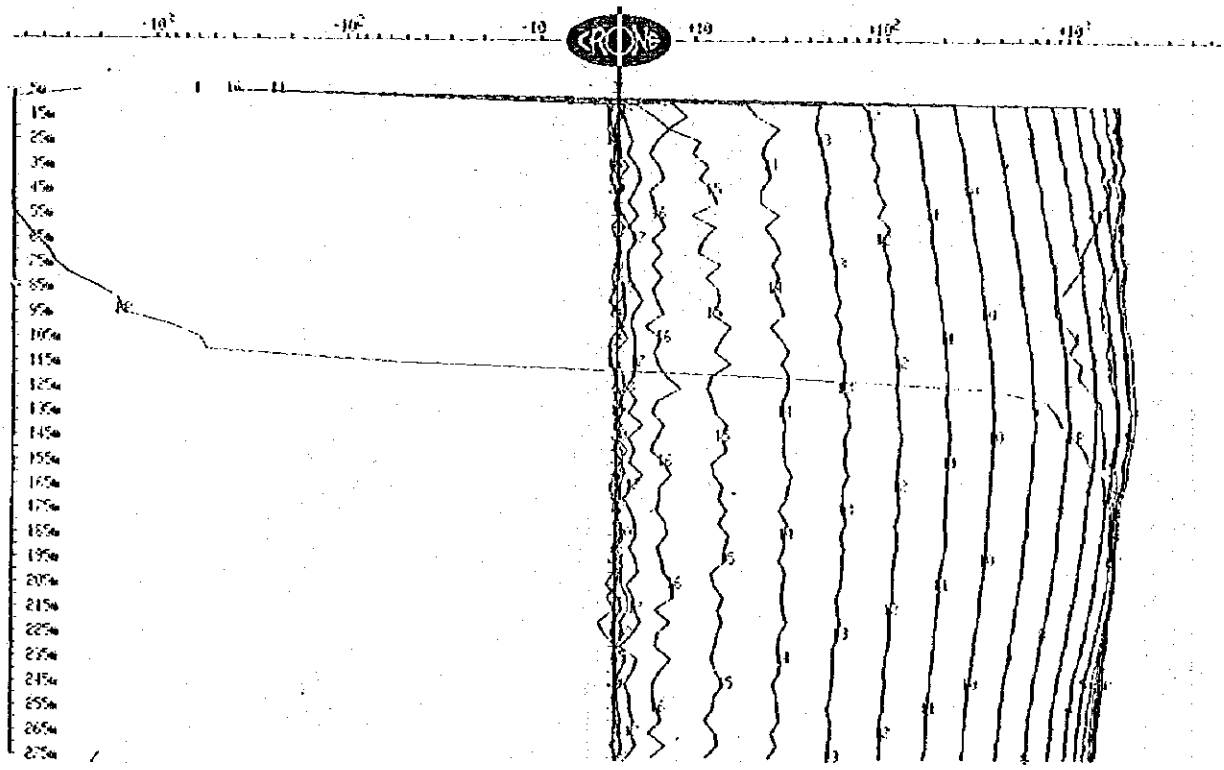


D-8(4) PEM observed data for DDH-1A, North loop Y component

CRONE GEOPHYSICS & EXPLORATION LTD
BOREHOLE PEM

Client	: ENAMI	Hole	: DDH1A
Grid	: PROGRESO	Tx Loop	: E
Date	: Nov 12, 1994	File name	: DDH1AZE.PEM

Data Scaled by Factor of -1.00
Z COMPONENT dBz/dt nanoTesla/sec - 20 channels and PP

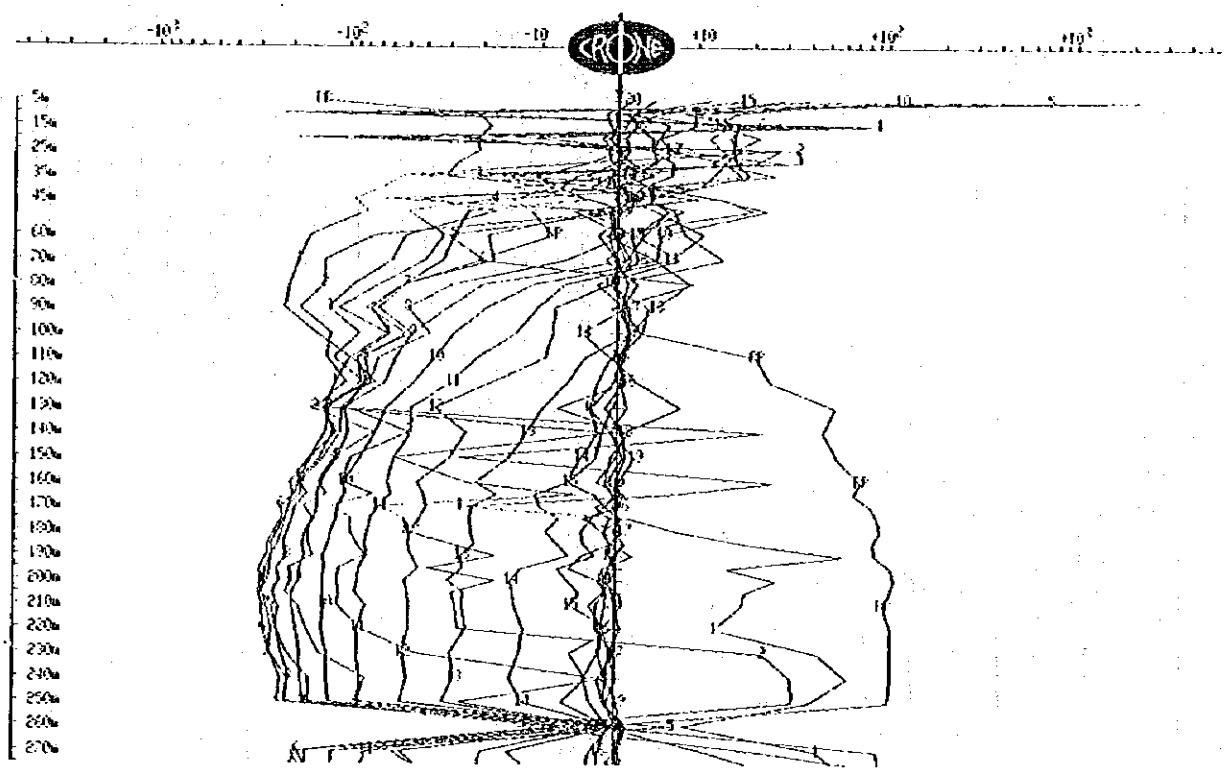


D-8(5) PEM observed data for DDH-1A, East loop Z component

CRONE GEOPHYSICS & EXPLORATION LTD
BOREHOLE PEM

Client	: ENAMI	Hole	: DDH1A
Grid	: PROGRESO	Tx Loop	: E
Date	: Nov 11, 1994	File name	: DDH1AXYE.PEM

Data Corrected for Probe Rotation using Cleaned PP
X COMPONENT dBx/dt nanoTesla/sec - 20 channels and PP



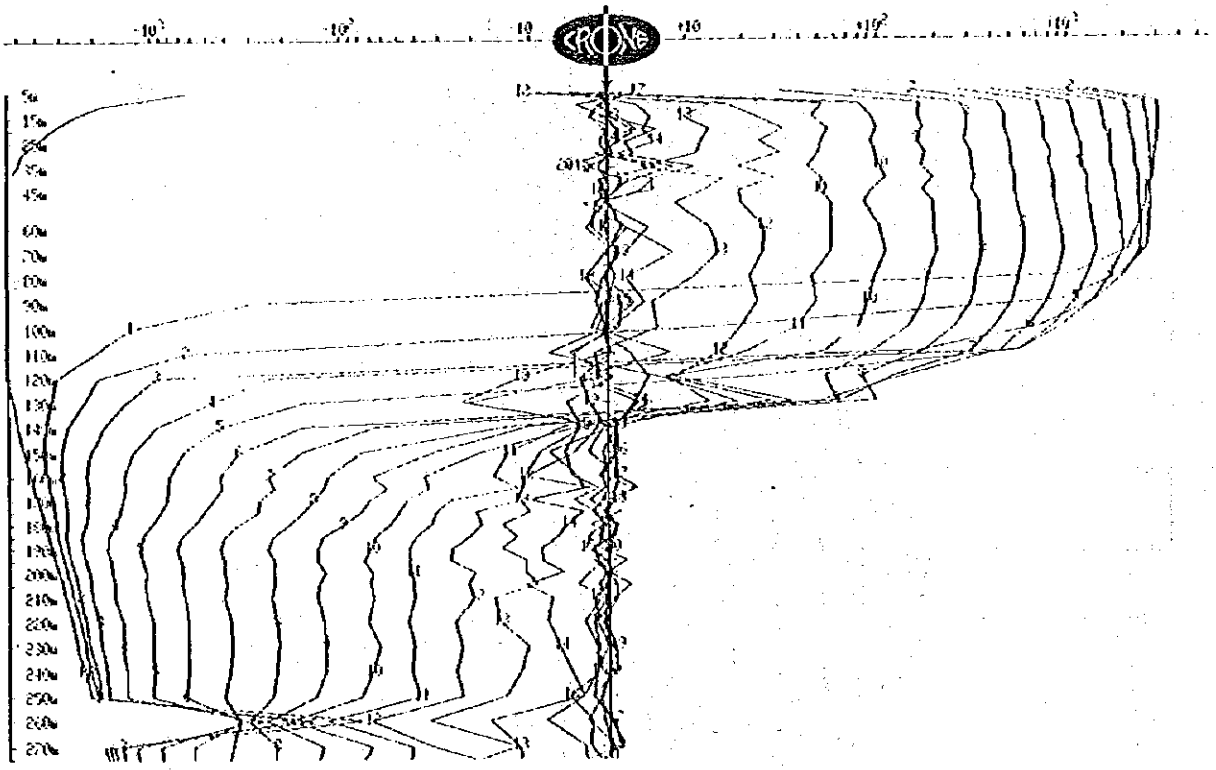
D-8(6) PEM observed data for DDH-1A, East loop X component

CRONE GEOPHYSICS & EXPLORATION LTD

BOREHOLE PEM

Client	: ENAMI	Hole	: DDH1A
Grid	: PROGRESO	Tx Loop	: E
Date	: Nov 11, 1994	File name	: DDH1AXYE.PEM

Data Corrected for Probe Rotation using Cleaned PP
Y COMPONENT dBy/dt nanoTesla/sec - 20 channels and PP



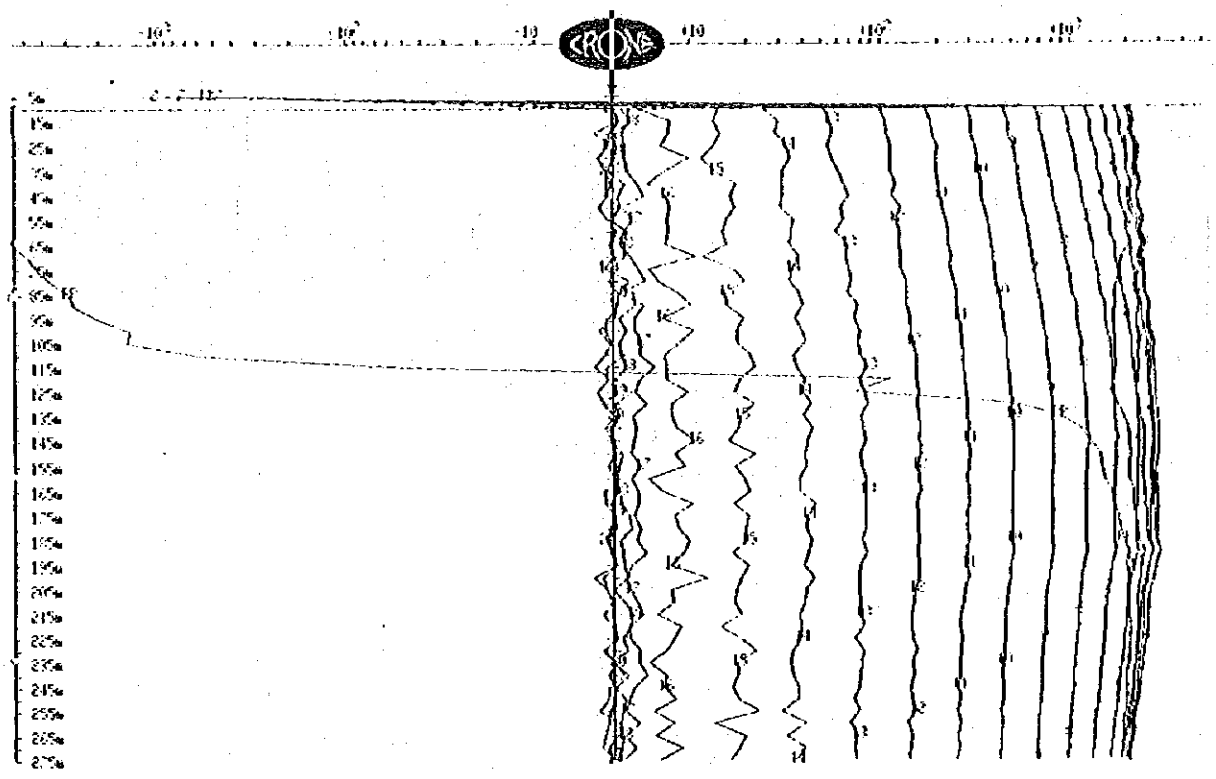
D-8(7) PEM observed data for DDH-1A, East loop Y component

CRONE GEOPHYSICS & EXPLORATION LTD

BOREHOLE PEM

Client	: ENAMI	Hole	: DDH1A
Grid	: PROGRESO	Tx Loop	: S
Date	: Nov 11, 1994	File name	: DDH1AZS.PEM

Data Scaled by Factor of -1.00
Z COMPONENT dBz/dt nanoTesla/sec - 20 channels and PP

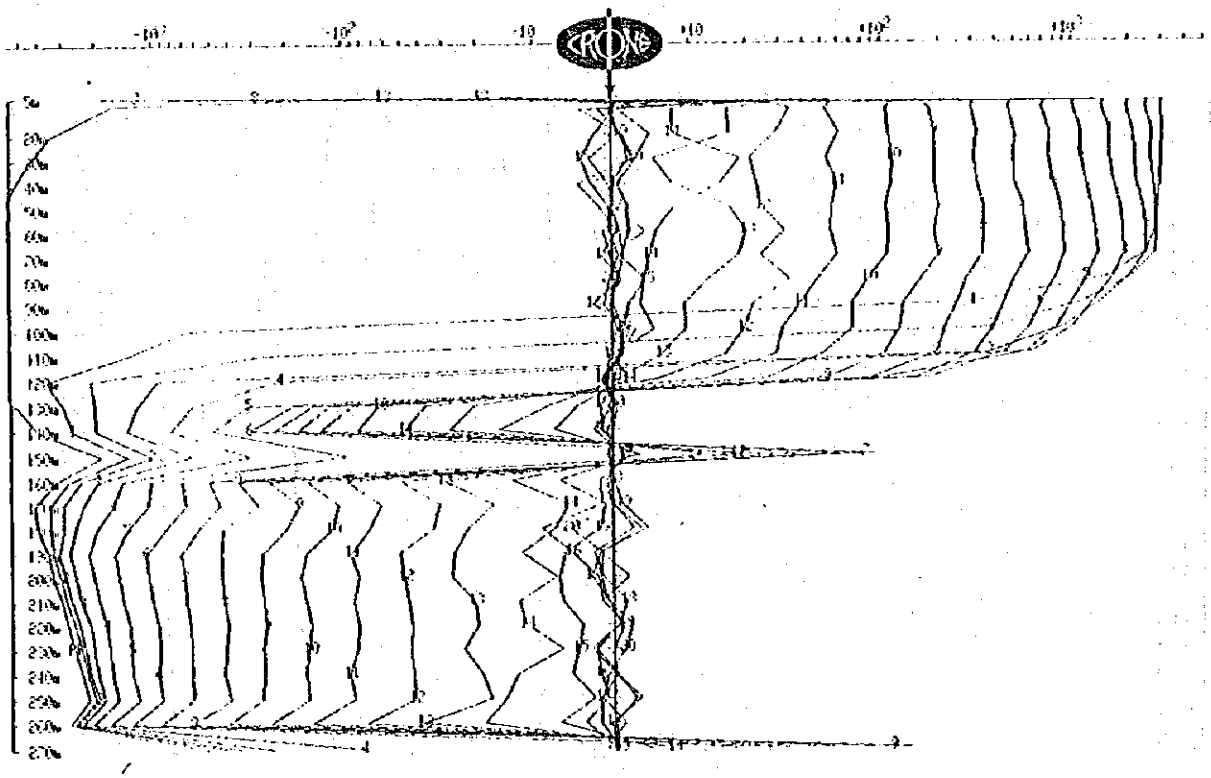


D-8(8) PEM observed data for DDH-1A, South loop Z component

CRONE GEOPHYSICS & EXPLORATION LTD
BOREHOLE PEM

Client	: ENAMI	Hole	: DDH1A
Grid	: PROGRESO	Tx Loop	: S
Date	: Nov 11, 1994	File name	: DDH1AXYS.PEM

Data Corrected for Probe Rotation using Cleaned PP
X COMPONENT dBx/dt nanoTesla/sec - 20 channels and PP

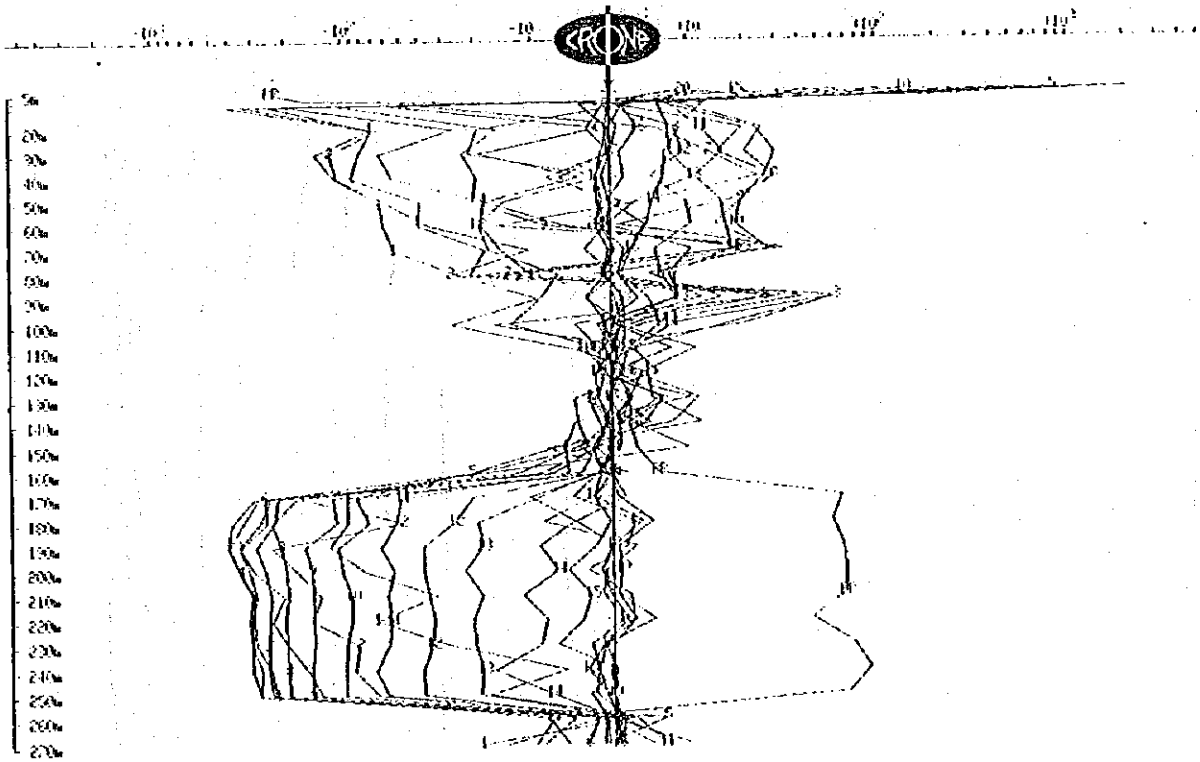


D-8(9) PEM observed data for DDH-1A, South loop X component

CRONE GEOPHYSICS & EXPLORATION LTD
BOREHOLE PEM

Client	: ENAMI	Hole	: DDH1A
Grid	: PROGRESO	Tx Loop	: S
Date	: Nov 11, 1994	File name	: DDH1AXYS.PEM

Data Corrected for Probe Rotation using Cleaned PP
Y COMPONENT dBy/dt nanoTesla/sec - 20 channels and PP

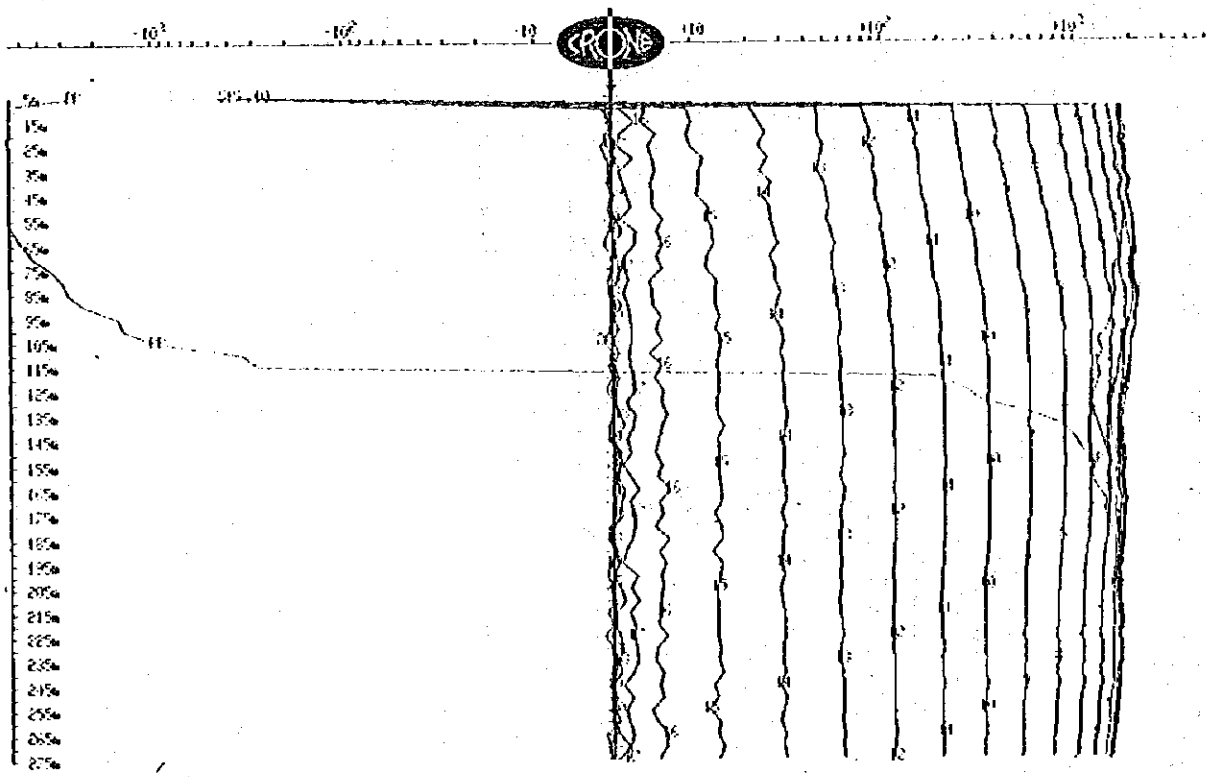


D-8(10) PEM observed data for DDH-1A, South loop Y component

CRONE GEOPHYSICS & EXPLORATION LTD
BOREHOLE PEM

Client	: ENAMI	Hole	: DDH1A
Grid	: PROGRESO	Tx Loop	: W
Date	: Nov 13, 1994	File name	: DDH1AZW.PEM

Data Scaled by Factor of -1.00
Z COMPONENT dBz/dt nanoTesla/sec - 20 channels and PP



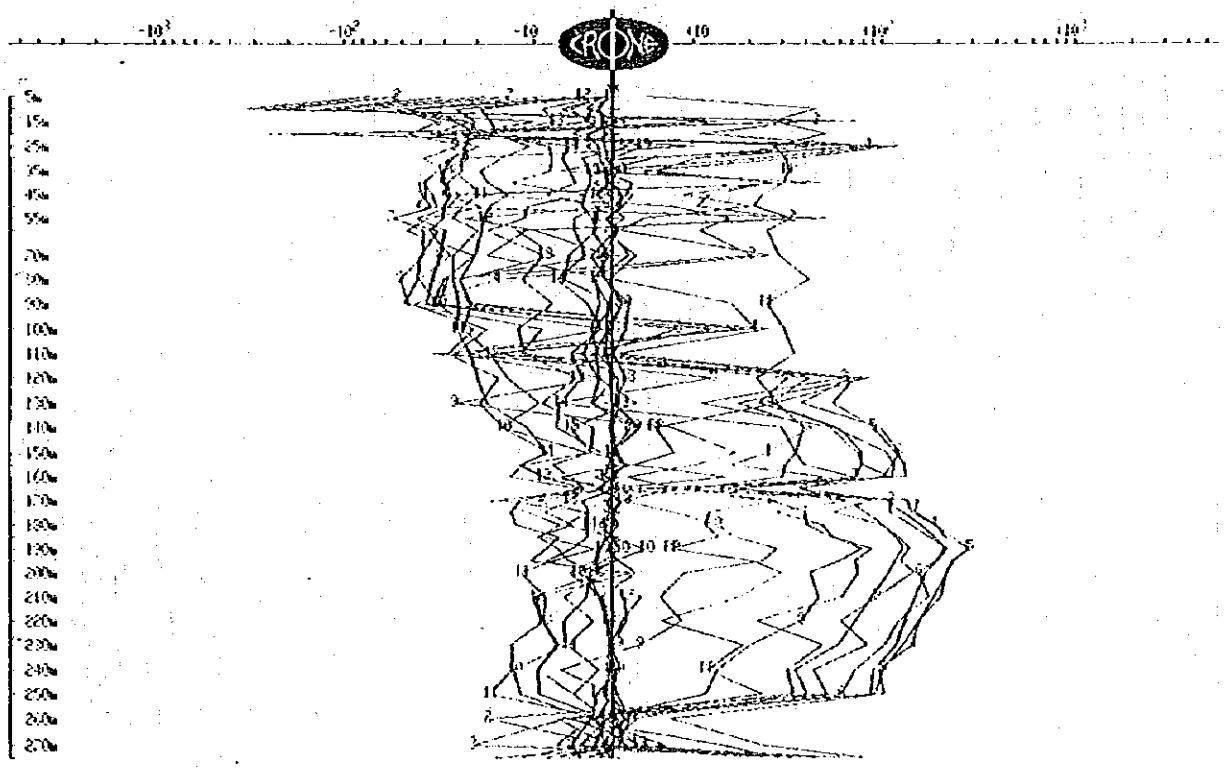
D-8(11) PEM observed data for DDH-1A, West loop Z component

CRONE GEOPHYSICS & EXPLORATION LTD

BOREHOLE PEM

Client	: ENAMI	Hole	: DDH1A
Grid	: PROGRESO	Tx Loop	: W
Date	: Nov 13, 1994	File name	: DDH1AXYW.PEM

Data Corrected for Probe Rotation using Cleaned PP
X COMPONENT dBx/dt nanoTesla/sec - 20 channels and PP



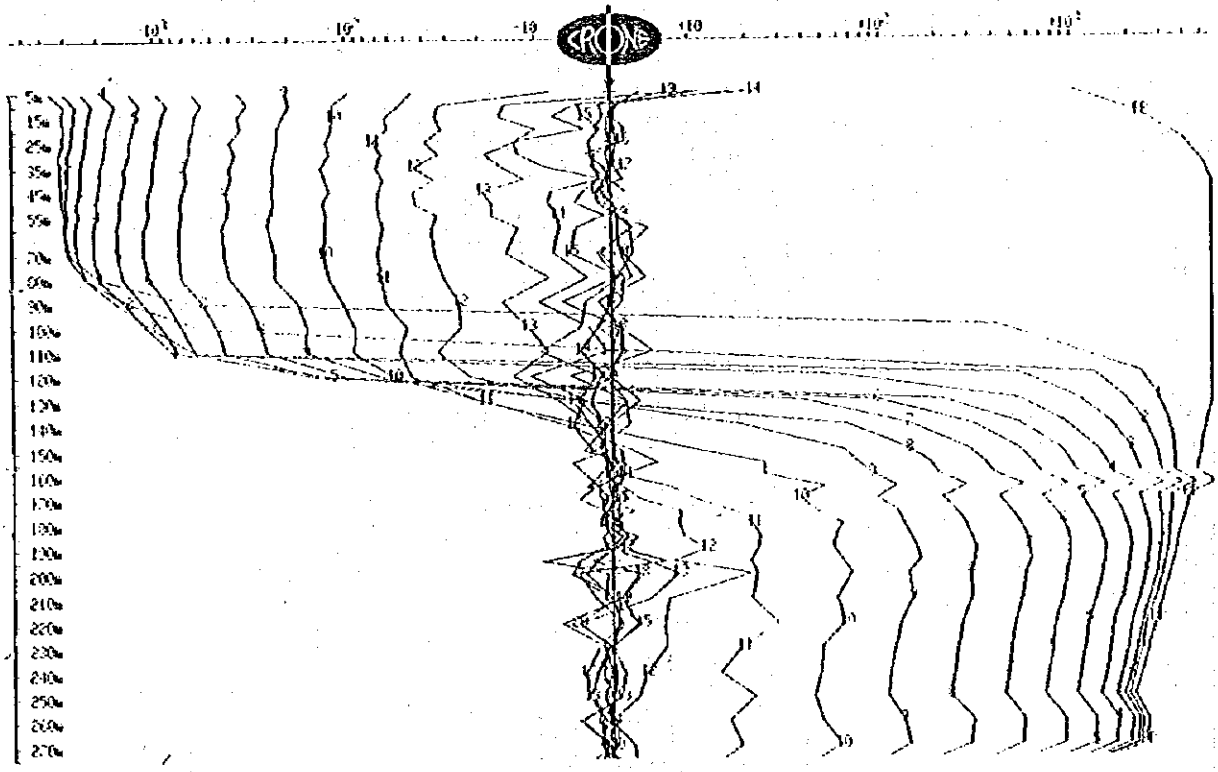
D-8(12) PEM observed data for DDH--1A, West loop X component

CRONE GEOPHYSICS & EXPLORATION LTD
BOREHOLE PEM

Client : ENAMI
Grid : PROGRESO
Date : Nov 13, 1994

Hole : DDH1A
Tx Loop : W
File name : DDH1AXYW.PEM

Data Corrected for Probe Rotation using Cleaned PP
Y COMPONENT dBy/dt nanoTesla/sec - 20 channels and PP



D-8(13) PEM observed data for DDH-1A, West loop Y component

CRONE GEOPHYSICS & EXPLORATION LTD

BOREHOLE PEM

Client : ENAMI
Grid : PROGRESO
Date : Nov 11, 1994
Time Base : 20.00 ms
Ramp Time : 1.50 ms
Channels: 20
Sync Type : Cable
Loop Size : 200m X 200m
Current : 20 Amps

Hole : DDH1A
Tx Loop : C
File name : DDH1AZC.PEM
Readings: 55
Stn Units : Metric
Coil Area : 6500 sq m
Polarity : +
Receiver : Digital #110
Operator : E.C.

Loop Coordinates (X,Y,Z)
1. 0m, 0m, 0m
2. 200m, 0m, 0m
3. 200m, 200m, 0m
4. 0m, 200m, 0m

Hole Coordinates (X,Y,Z) or (Azimuth,Dip,Length)
1. 100m, 100m, 0m
2. 0deg, 90deg, 279m

Channel Times (usec)

Ch PP	Start -198	End -99	Center -149	Ch 1	Start 76	End 104	Center 90	Ch 2	Start 104	End 131	Center 117
3	131	171	151	4	171	225	198	5	225	292	259
6	292	378	335	7	378	490	434	8	490	639	565
9	639	828	733	10	828	1075	952	11	1075	1395	1235
12	1395	1809	1602	13	1809	2348	2078	14	2348	3046	2697
15	3046	3951	3498	16	3951	5121	4536	17	5121	6646	5884
18	6646	8617	7632	19	8617	11170	9894	20	11170	14490	12830

D-9(1) PEM recorded data for Central loop

CRONE GEOPHYSICS & EXPLORATION LTD

BOREHOLE PEM

Client	: ENAMI	Hole	: DDH1A
Grid	: PROGRESO	Tx Loop	: N
Date	: Nov 11, 1994	File name	: DDHAXYNR.PEM
Time Base	: 30.00 ms	# Readings	: 88
Ramp Time	: 1.50 ms	Stn Units	: Metric
# Channels	: 20	Coil Area	: 2800 sq m
Sync Type	: Cable	Polarity	: +
Loop Size	: 200m X 200m	Receiver	: Digital #110
Current	: 20 Amps	Operator	: R.C.

Loop Coordinates (X,Y,Z)

1. 0m, 200m, 0m
2. 200m, 200m, 0m
3. 200m, 400m, 0m
4. 0m, 400m, 0m

Hole Coordinates (X,Y,Z) or (Azimuth,Dip,Length)

1. 100m, 100m, 0m
2. 0deg, 90deg, 279m

Channel Times (usec)

Ch	Start	End	Center	Ch	Start	End	Center	Ch	Start	End	Center
PP	-198	-99	-149	1	76	104	90	2	104	131	117
3	131	171	151	4	171	225	198	5	225	292	259
6	292	378	335	7	378	490	434	8	490	639	565
9	639	828	733	10	828	1075	952	11	1075	1395	1235
12	1395	1809	1602	13	1809	2348	2078	14	2348	3046	2697
15	3046	3951	3498	16	3951	5121	4536	17	5121	6646	5884
18	6646	8617	7632	19	8617	11170	9894	20	11170	14490	12830

D-9(2) PEM recorded data for North loop

CRONE GEOPHYSICS & EXPLORATION LTD

BOREHOLE PEM

Client	: KHAMI	Hole	: DDH1A
Grid	: PROGRESO	Tx Loop	: E
Date	: Nov 11, 1994	File name	: DDHAXYBR.PEM
Time Base	: 20.00 ms	# Readings	: 76
Ramp Time	: 1.50 ms	Stn Units	: Metric
# Channels	: 20	Coil Area	: 2800 sq m
Sync Type	: Cable	Polarity	: +
Loop Size	: 200m X 200m	Receiver	: Digital #110
Current	: 20 Amps	Operator	: E.C.

Loop Coordinates (X,Y,Z)

1. 200m, 0m, 0m
2. 400m, 0m, 0m
3. 400m, 200m, 0m
4. 200m, 200m, 0m

Hole Coordinates (X,Y,Z) or (Azimuth,Dip,Length)

1. 100m, 100m, 0m
2. 0deg, 90deg, 279m

Channel Times (usec)

Ch	Start	End	Center	Ch	Start	End	Center	Ch	Start	End	Center
PP	-198	-99	-149	1	76	104	90	2	104	131	117
3	131	171	151	4	171	225	198	5	225	292	259
6	292	378	335	7	378	490	434	8	490	639	565
9	639	828	733	10	828	1075	952	11	1075	1395	1235
12	1395	1809	1602	13	1809	2348	2078	14	2348	3046	2697
15	3046	3951	3498	16	3951	5121	4536	17	5121	6646	5884
18	6646	8617	7632	19	8617	11170	9894	20	11170	14490	12830

D-9(3) PEM recorded data for East loop

CRONE GEOPHYSICS & EXPLORATION LTD

BOREHOLE PEM

Client	: ENAHI	Hole	: DDH1A
Grid	: PROGRESO	Tx Loop	: B
Date	: Nov 11, 1994	File name	: DDHAXYSR.PEM
Time Base	: 20.00 ms	# Readings	: 58
Ramp Time	: 1.50 ms	Stn Units	: Metric
# Channels	: 20	Coil Area	: 2800 sq m
Sync Type	: Cable	Polarity	: +
Loop Size	: 200m X 200m	Receiver	: Digital #110
Current	: 20 Amps	Operator	: E. C.

Loop Coordinates (X,Y,Z)

1. 0m, 0m, 0m
2. 0m, -200m, 0m
3. 200m, -200m, 0m
4. 200m, 0m, 0m

Hole Coordinates (X,Y,Z) or (Azimuth,Dip,Length)

1. 100m, 100m, 0m
2. 0deg, 90deg, 279m

Channel Times (usec)

Ch	Start	End	Center	Ch	Start	End	Center	Ch	Start	End	Center
PP	-198	-99	-149	1	76	104	90	2	104	131	117
3	131	171	151	4	171	225	198	5	225	292	259
6	292	378	335	7	378	490	434	8	490	639	565
9	639	828	733	10	828	1075	952	11	1075	1395	1235
12	1395	1809	1602	13	1809	2348	2078	14	2348	3046	2697
15	3046	3951	3498	16	3951	5121	4536	17	5121	6646	5884
18	6646	8617	7632	19	8617	11170	9894	20	11170	14490	12830

D-9(4) PEM recorded data for South loop

CRONE GEOPHYSICS & EXPLORATION LTD

BOREHOLE PEM

Client : ENAMI
Grid : PROGRESO
Date : Nov 13, 1994
Time Base : 20.00 ms
Ramp Time : 1.50 ms
Channels: 20
Sync Type : Cable
Loop Size : 200m X 200m
Current : 20 Amps

Hole : DDH1A
Tx Loop : W
File name : DDHAXYWR.PEM
Readings: 78
Stn Units : Metric
Coil Area : 2800 sq m
Polarity : +
Receiver : Digital #110
Operator : E.C.

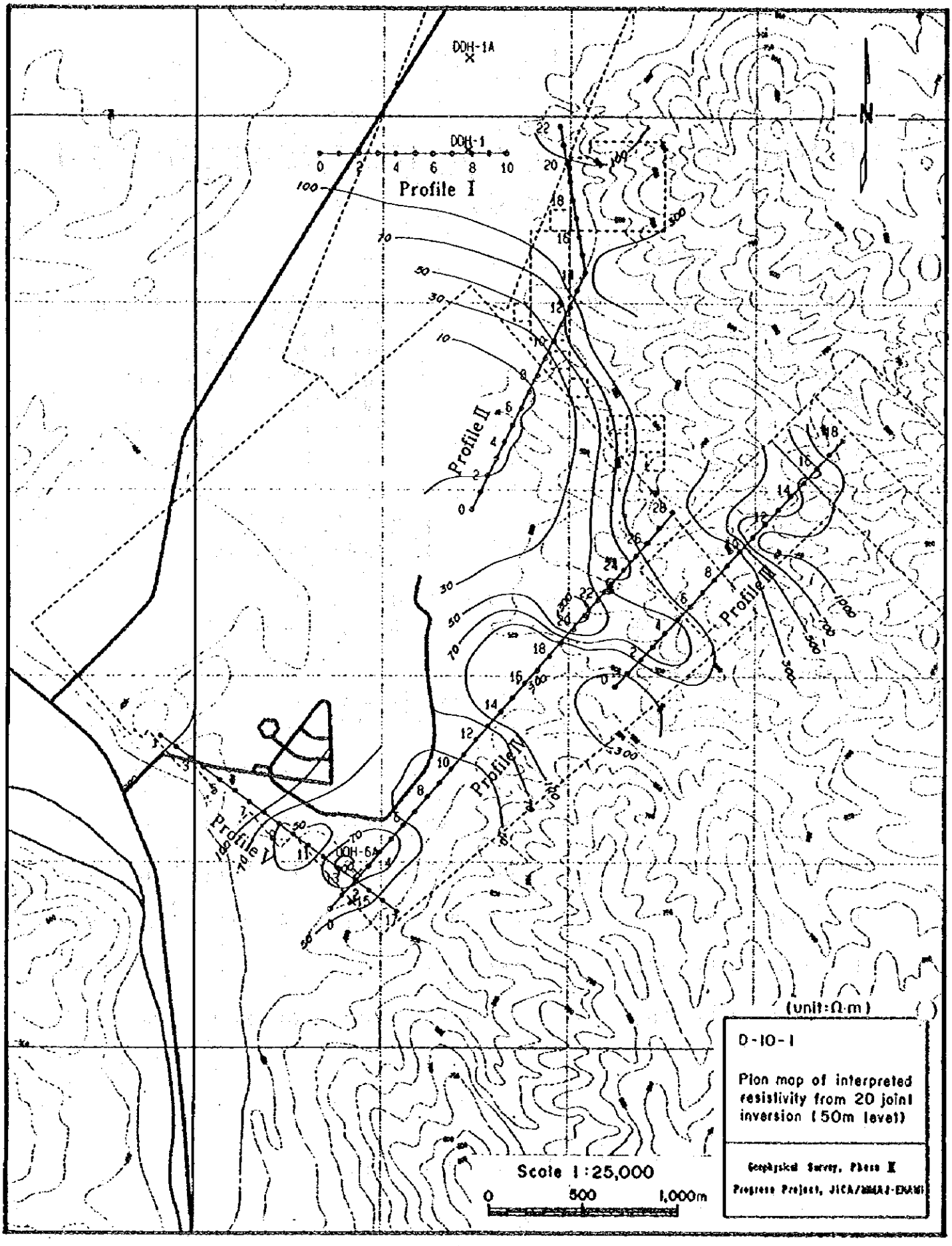
Loop Coordinates (X,Y,Z)
1. -200m, 0m, 0m
2. 0m, 0m, 0m
3. 0m, 200m, 0m
4. -200m, 200m, 0m

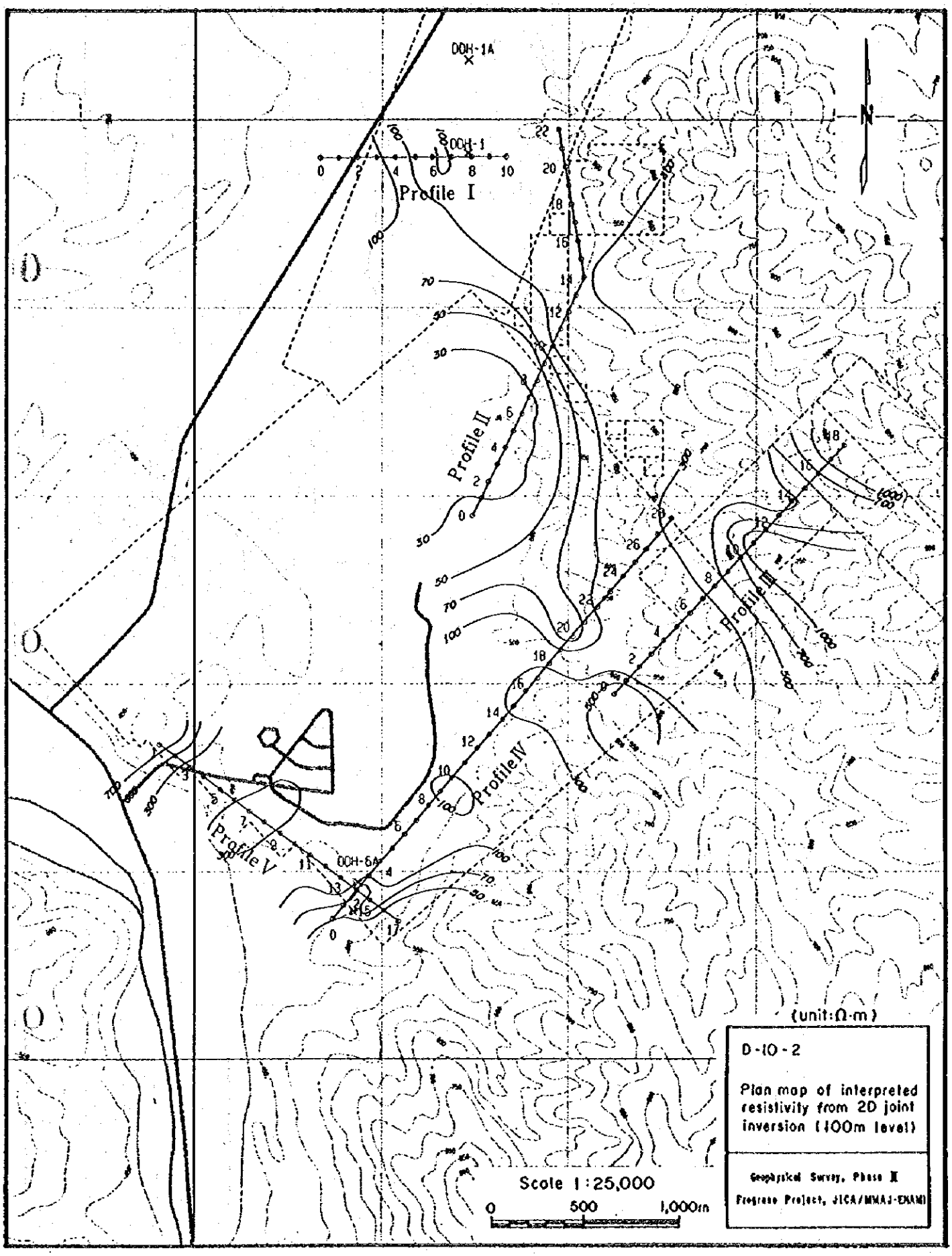
Hole Coordinates (X,Y,Z) or (Azimuth,Dip,Length)
1. 100m, 100m, 0m
2. 0deg, 90deg, 279m

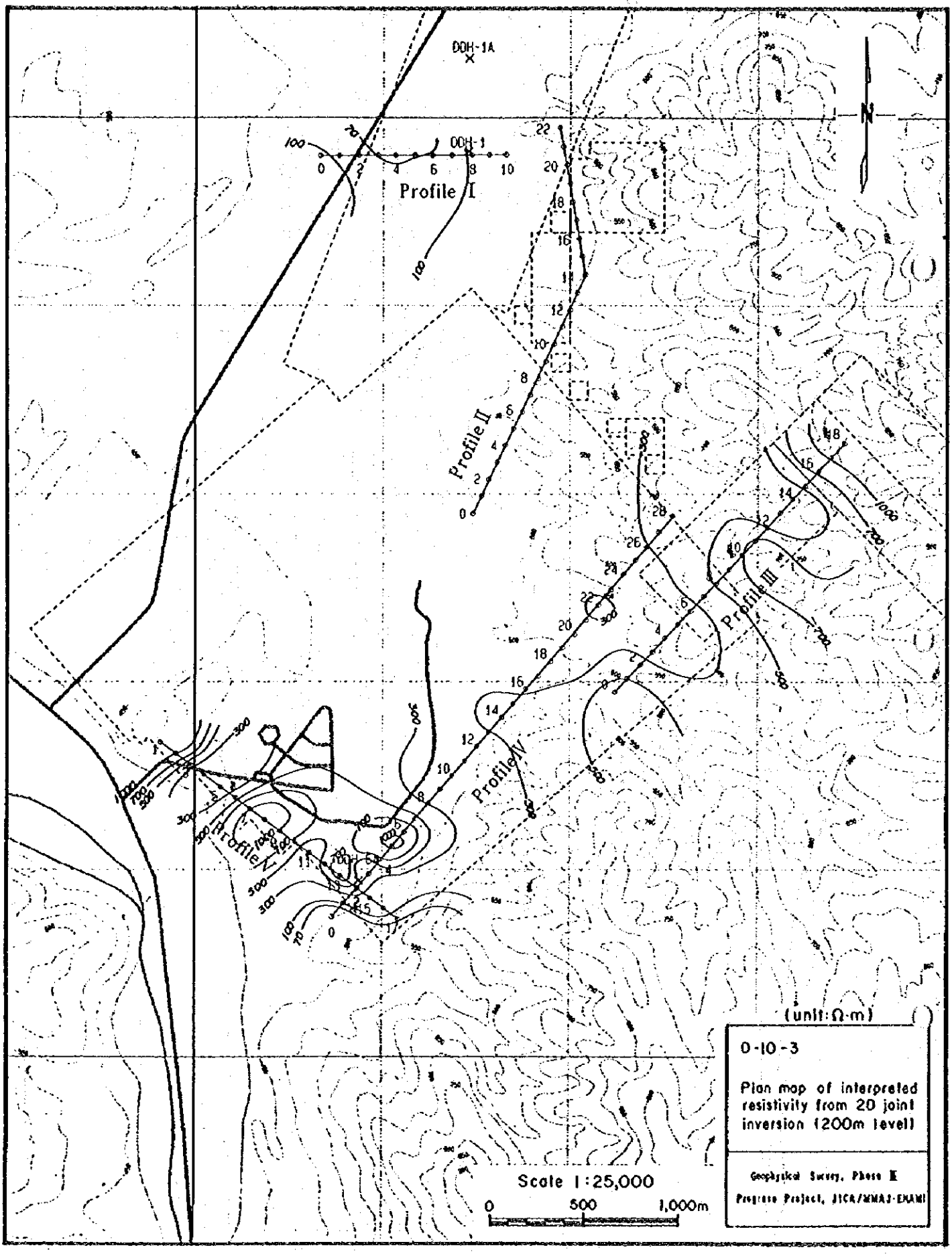
Channel Times (usec)

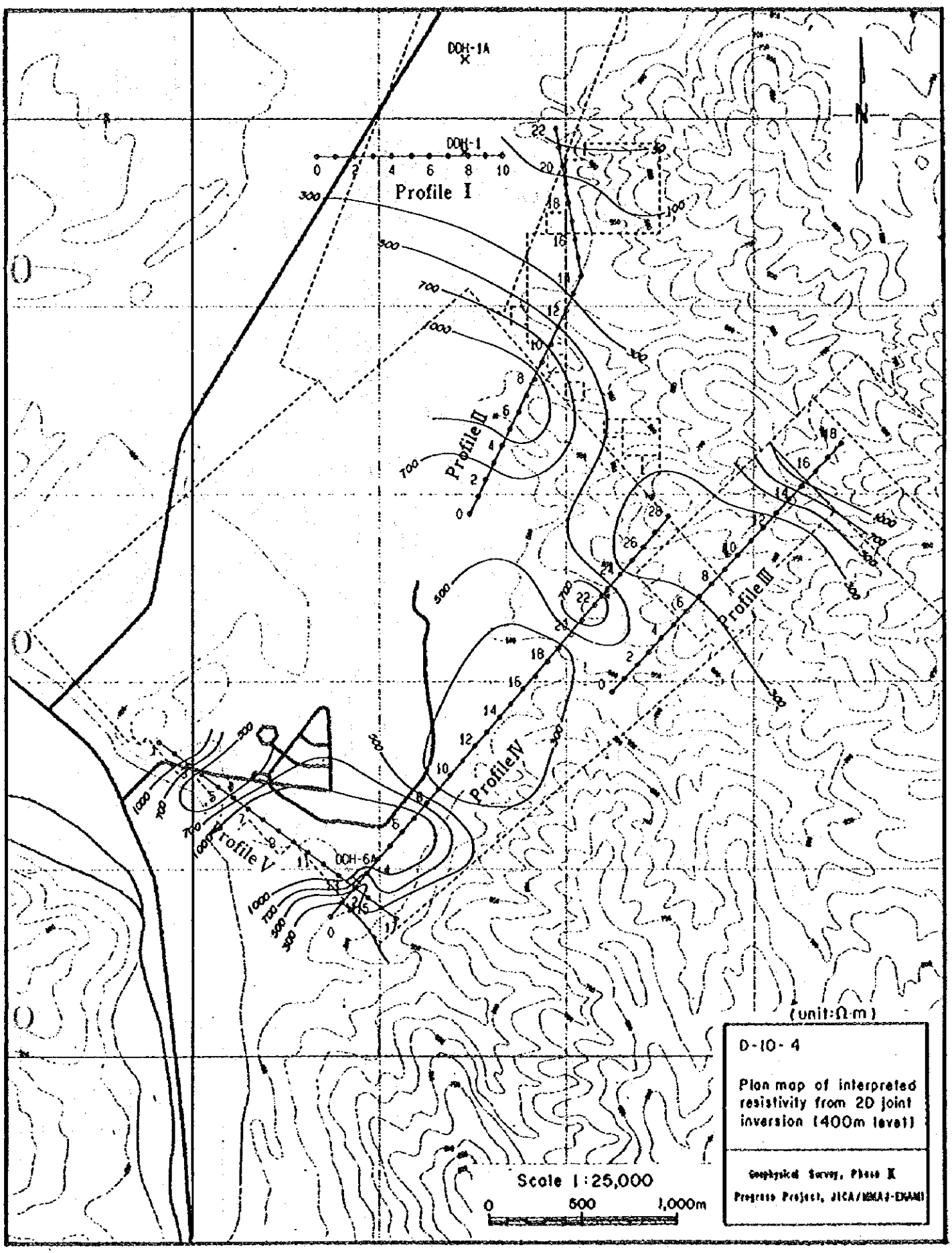
Ch	Start	End	Center	Ch	Start	End	Center	Ch	Start	End	Center
PP	-198	-99	-149	1	76	104	90	2	104	131	117
3	131	171	151	4	171	225	198	5	225	292	259
6	292	378	335	7	378	490	434	8	490	639	565
9	639	828	733	10	828	1075	952	11	1075	1395	1235
12	1395	1809	1602	13	1809	2348	2078	14	2348	3046	2697
15	3046	3951	3498	16	3951	5121	4536	17	5121	6646	5884
18	6646	8617	7632	19	8617	11170	9894	20	11170	14490	12830

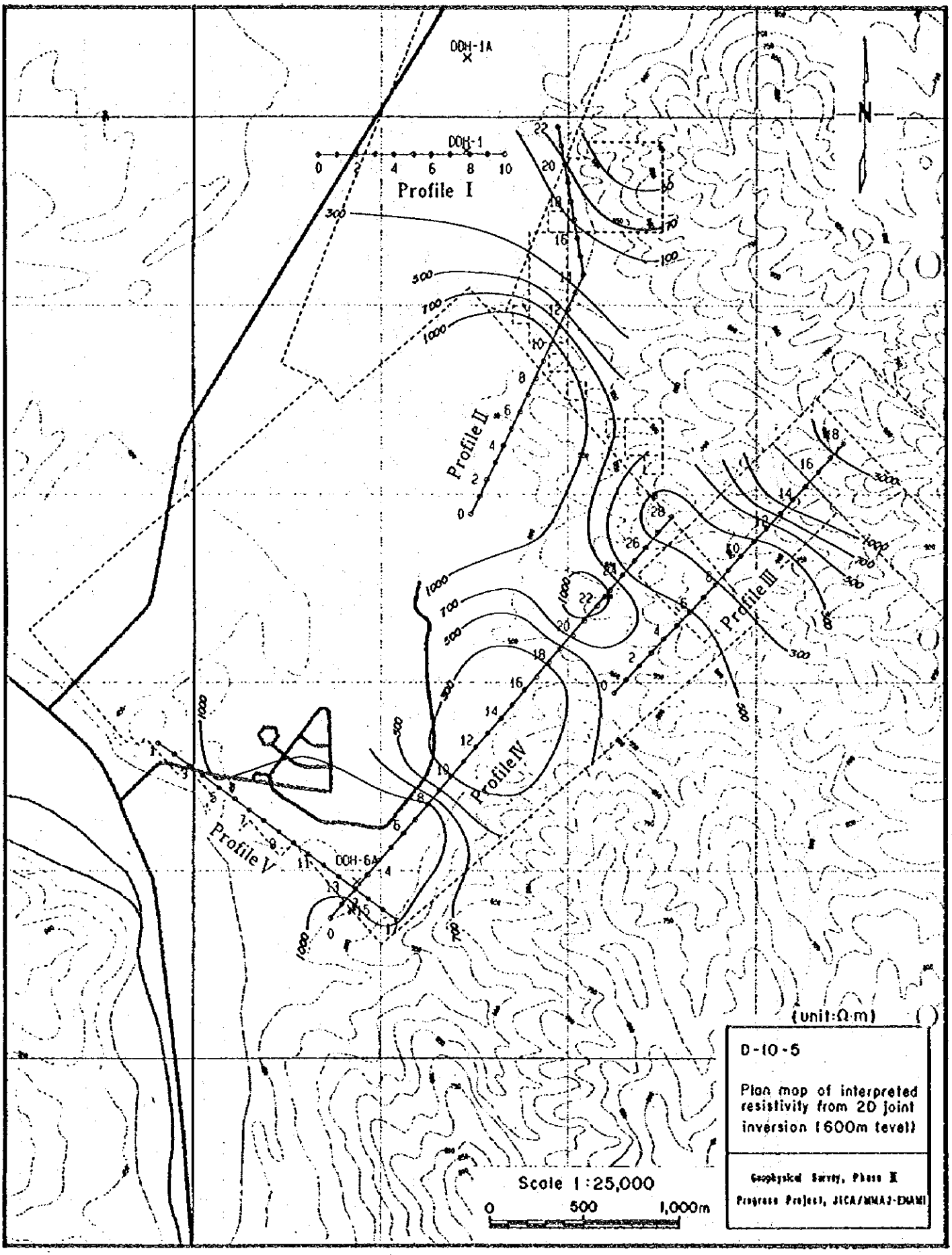
D-9(5) PEM recorded data for West loop

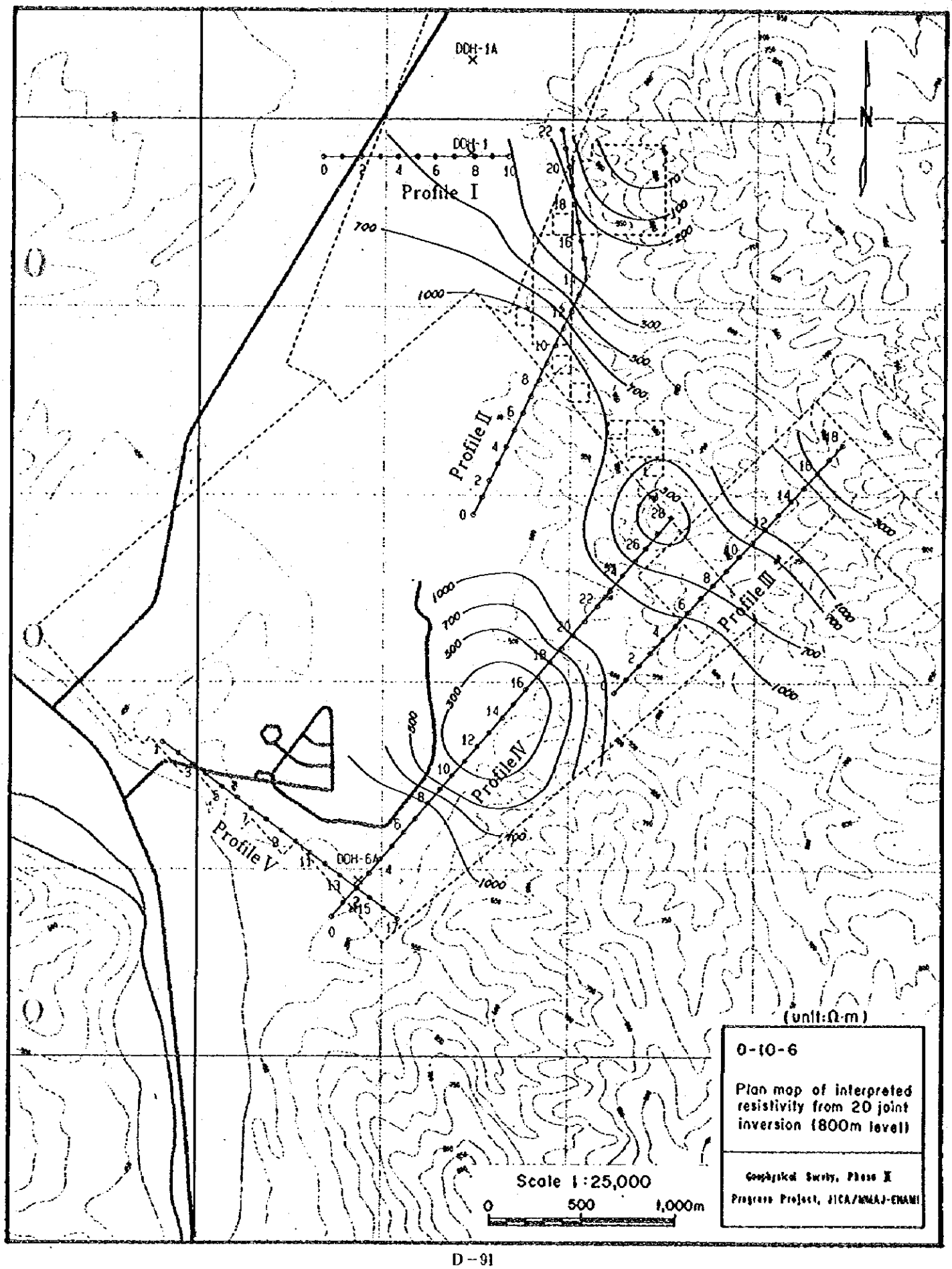

DOH-1A
DOH-1
0 2 4 6 8 10
Profile I
Profile II
Profile III
Profile IV
Profile V
DOH-6A
(unit:Ω·m)
D-10-1
Plan map of interpreted resistivity from 2D joint inversion (50m level)
Geophysical Survey, Phase II
Progress Project, JICA/MMAJ-ENAMI
Scale 1:25,000
0 500 1,000m

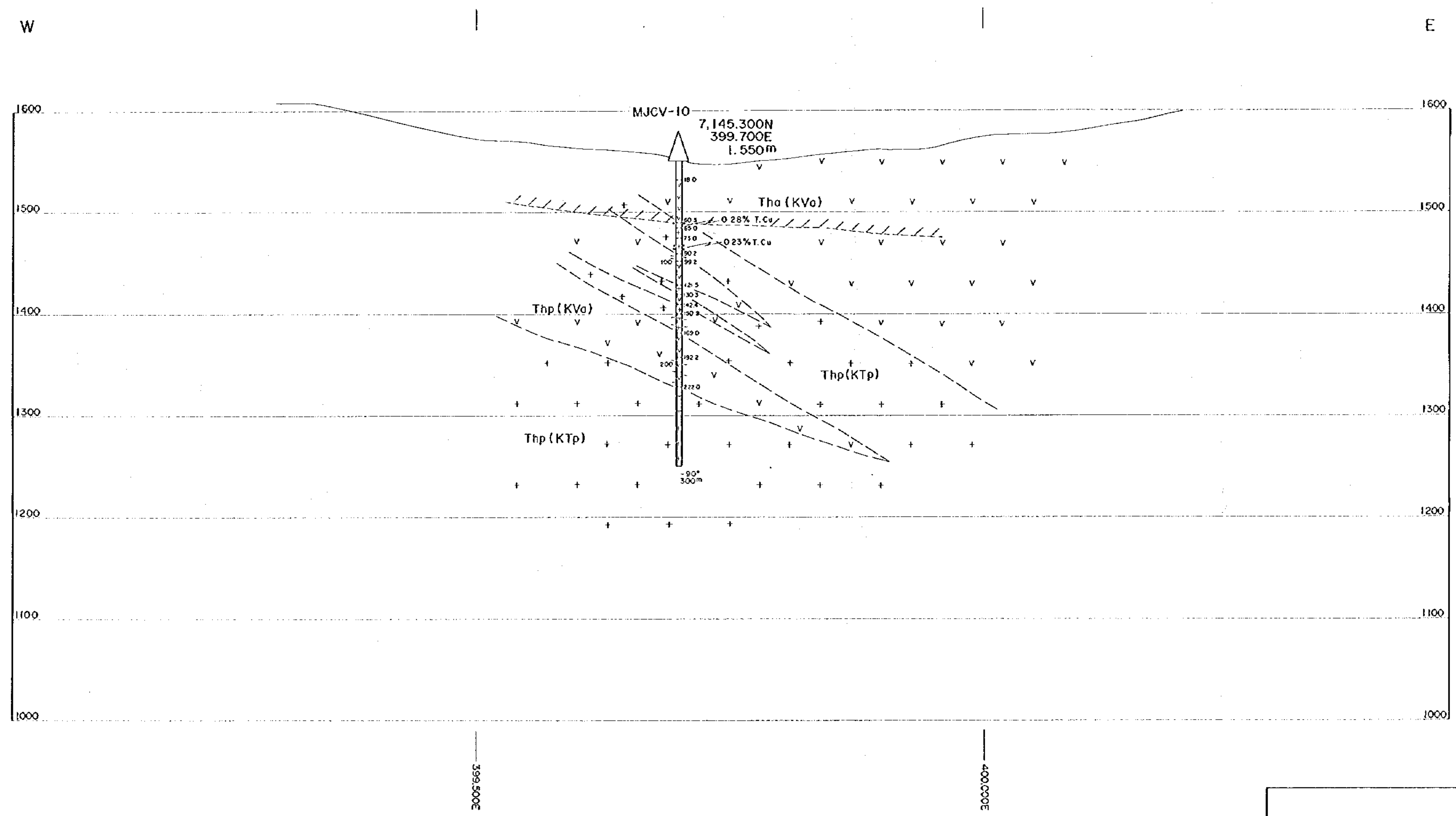

OOH-1A
OOH-1
Profile I
Profile II
Profile III
Profile IV
Profile V
OOH-6A
(unit:Ω-m)
D-10-2
Plan map of interpreted resistivity from 2D joint inversion (100m level)
Geophysical Survey, Phase II
Program Project, JICA/MMAJ-EXAMI
Scale 1:25,000
0
500
1,000m


DDH-1A
DDH-1
Profile I
Profile II
Profile III
Profile IV
Profile V
N
(unit: Ω-m)
0-10-3
Plan map of interpreted resistivity from 2D joint inversion (200m level)
Geophysical Survey, Phase II
Progress Project, JICA/MMAJ-ENAMI
Scale 1:25,000
0 500 1,000m


DDH-1A
DDH-1
Profile I
Profile II
Profile III
Profile IV
Profile V
DDH-6A
N
(unit:Ω·m)
D-10-4
Plan map of interpreted resistivity from 2D joint inversion (400m level)
Geophysical Survey, Phase II
Progress Project, JICA/MMAJ-DIAMI
Scale 1:25,000
0 500 1,000m


DDH-1A
DDH-1
0 2 4 6 8 10
Profile I
Profile II
Profile III
Profile IV
Profile V
DDH-6A
N
(unit:Ω·m)
D-10-5
Plan map of interpreted resistivity from 2D joint inversion (600m level)
Geophysical Survey, Phase II
Progress Project, JICA/MMAJ-ENAMI
Scale 1:25,000
0 500 1,000m


DDH-1A
DDH-1
Profile I
Profile II
Profile III
Profile IV
Profile V
DDH-6A
N
(unit:Ω-m)
0-10-6
Plan map of interpreted resistivity from 2D joint inversion (800m level)
Geophysical Survey, Phase II
Progress Project, JICA/MMAJ-ENAMI
Scale 1:25,000
0 500 1,000m



Legend

Aeropuerto formation

KVa	Andesitic lava and autobrecciated lava
KVa	Andesitic tuff and pyroclastics

Intrusion

KTp	Diorite – andesite porphyry

Hydrothermal Alteration zone

Ths	Intensely silicified zone
Thsv	Quartz sericitized zone
Tha	Siliceous argillized zone
Thp	Chloritized zone (Propylitized zone)

Mineralization

Limonite and Jarosite rich zone

Fault (broken line shows inferred fault)

Fractured zone

Geologic contact

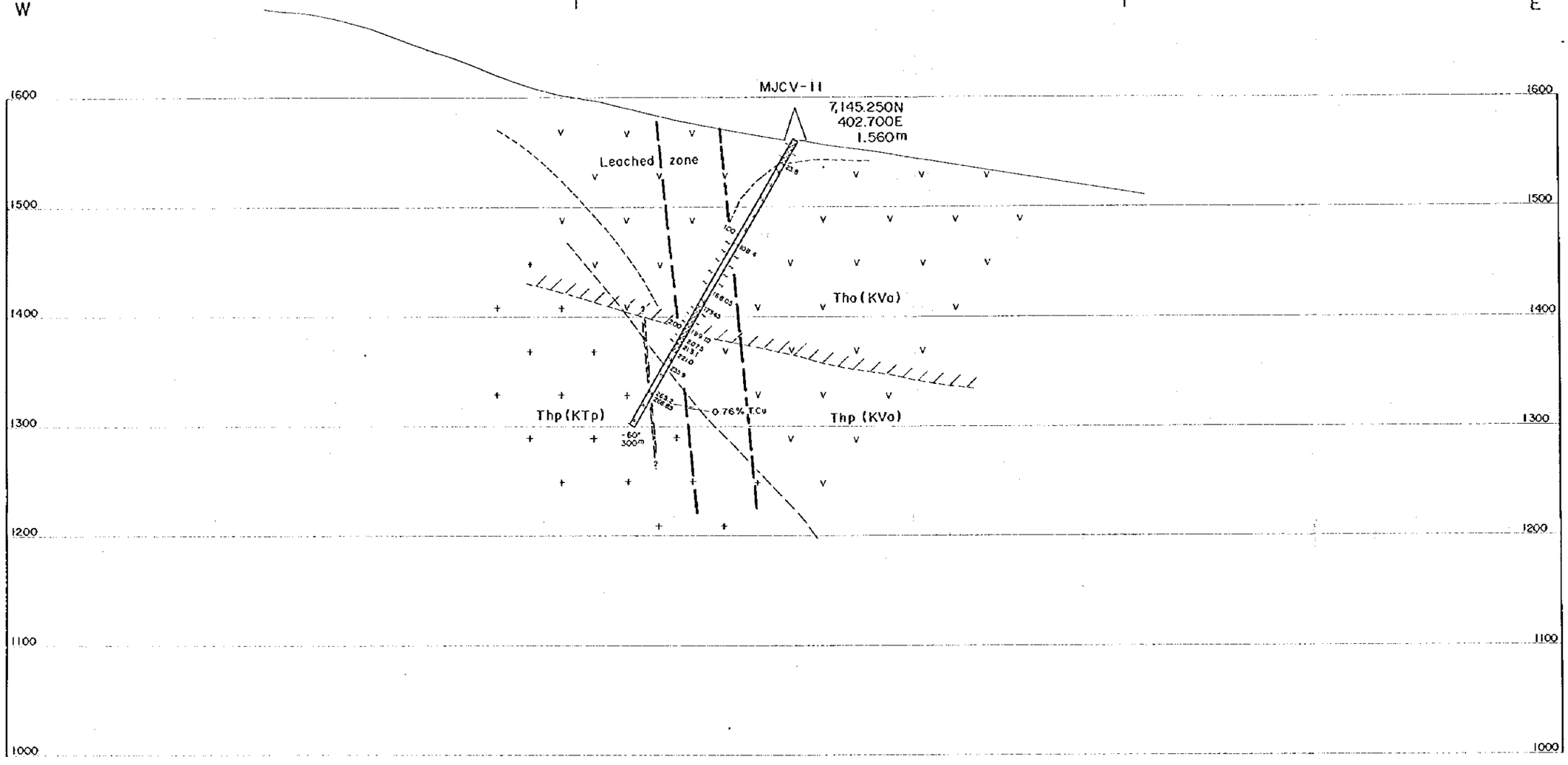
Plate 1-(4)

Geologic profile of the drill hole MJCV-10

(1:2,000)

Drilling Survey, Phase II

Veraguas Project, JICA/MMAJ-ENAMI



Legend

Aeropuerto formation

- KVa — Andesitic lava and autobrecciated lava
- KVa — Andesitic tuff and pyroclastics

Intrusion

- KTp — Diorite – andesite porphyry

Hydrothermal Alteration zone

- Ths — Intensely silicified zone
- Thsv — Quartz sericitized zone
- Tho — Siliceous argillized zone
- Thp — Chloritized zone (Propylitized zone)

- Mineralization
- Limonite and Jarosite rich zone
- —— Fault (broken line shows inferred fault)
- ~~~~ Fractured zone
- ----- Geologic contact

Plate I-(5)

Geologic profile of the drill hole MJCV-11

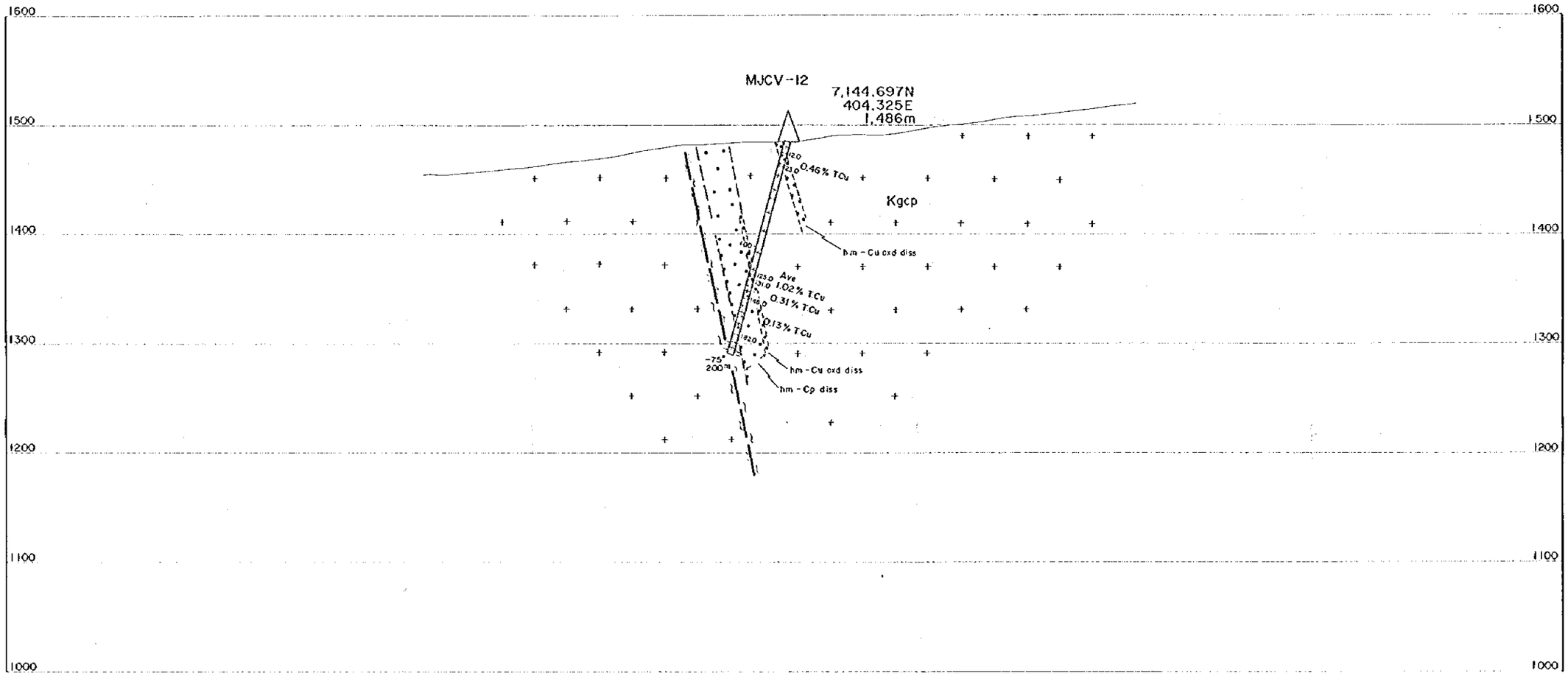
(1:2,000)

Drilling Survey, Phase II

Veraguas Project, JICA/MMAJ-ENAMI

S 45 W

N 45 E



404,000E

Legend

Aeropuerto formation

- KVa — Andesitic lava and autobrecciated lava
- KVa — Andesitic tuff and pyroclastics

Intrusion

- Kgcp — Quartz diorite

Hydrothermal Alteration zone

- Ths — Intensely silicified zone
- Thsv — Quartz sericitized zone
- Tha — Siliceous argillized zone
- Thp — Chloritized zone (Propylitized zone)

- Mineralization
- Limonite and Jarosite rich zone
- —— Fault (broken line shows inferred fault)
- ~~~~ Fractured zone
- ---- Geologic contact

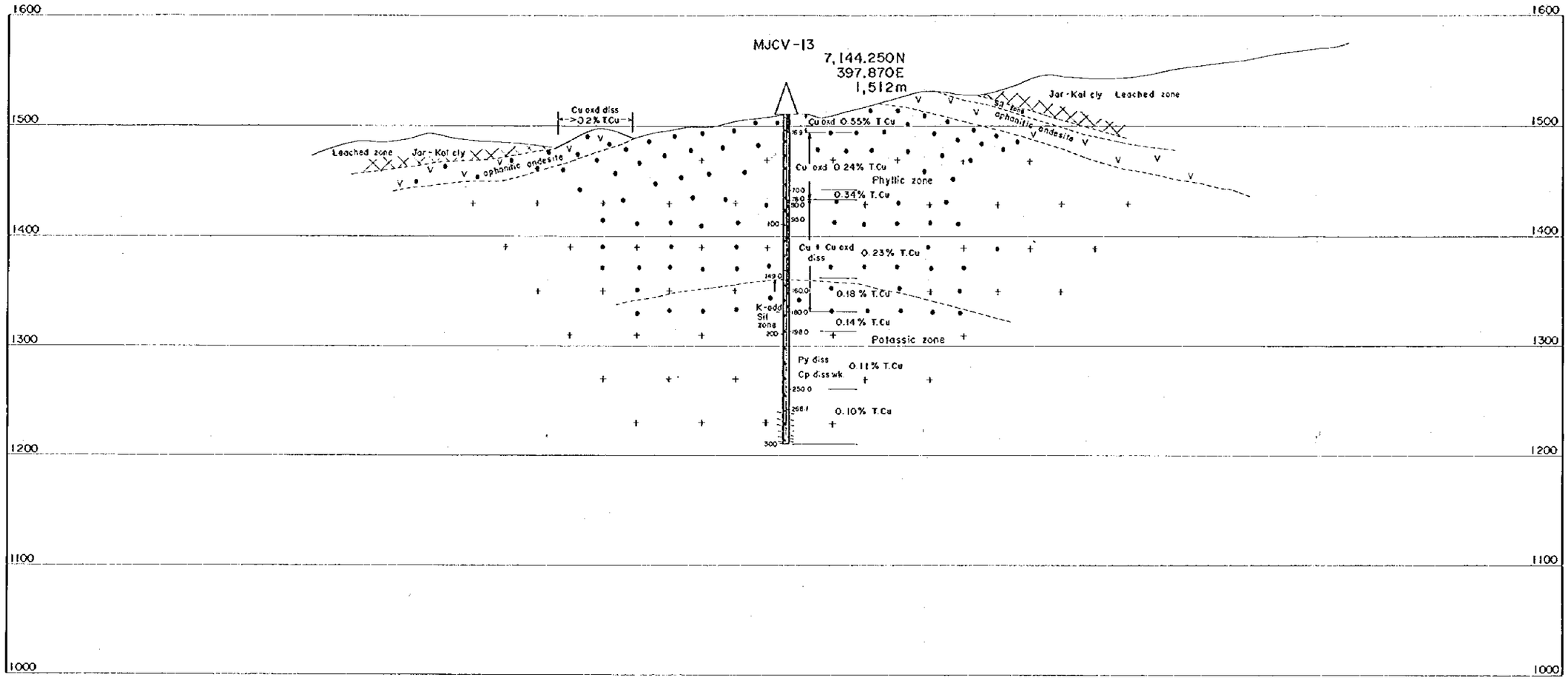
Plate I-(6)

Geologic profile of the drill hole
MJCV-12

(1:2,000)

Drilling Survey, Phase II
Veraguas Project, JICA/MMAJ-ENAMI

W E



Legend

Aeropuerto formation

- KVo — Andesitic lava and autobrecciated lava
- KVa — Andesitic tuff and pyroclastics

Intrusion

- KTp — Diorite – andesite porphyry

Hydrothermal Alteration zone

- Ths — Intensely silicified zone
- Thsv — Quartz sericitized zone
- Tha — Siliceous argillized zone
- Thp — Chloritized zone (Propylitized zone)

- Mineralization
- Limonite and Jarosite rich zone
- Fault (broken line shows inferred fault)
- Fractured zone
- Geologic contact

Plate I-(7)

Geologic profile of the drill hole MJCV-13

(1:2,000)

Drilling Survey, Phase II

Veraguas Project, JICA/MMAJ-ENAMI

397 000E

Line 1

Line 2

1425

1450

1475

1500

jarosite – natro jarosite – kaolinite clay

X-8 purplish clay
quartz, anhydrite, muscovite, natro jarosite
natroalunite

X-7 (yellowish clay)
quartz, halite natro jarosite, muscovite

purplish ~ brownish white
jarosite ~ natro jarosite ~ kaolinite clay

jarosite – natro jarosite – kaolinite clay

purplish grey partly yellowish

purplish ~ brownish white
. jarosite – hematite – kaolinite clay

jarosite – natro jarosite – kaolinite clay
Calcite network

brownish grey
partly aphanitic andesite texture relics

dark green aphanitic andesite
Calcite network
jarosite veinlet
Cu oxid. diss

gypsum, bassanite, zeolite

brownish ~ purplish grey
jarosite – natro jarosite – koolinite clay

Cu oxid. disc weakly

jarosite – koolinite clay veinlet
dark green aphanitic andesite

purplish grey ~ reddish brown
jarosite – hematite – kaolinite clay

purplish ~ brownish white
hematite – jarosite – koolinite clay

jarosite – koolinite clay
aphanitic andesite texture relics

reddish ~ purplish brown
jarosite – natro jarosite kaolinite clay

gypsum, bassanite, zeolite
X-6

Cu oxid diss very weakly

brownish white
natro jarosite – jarosite – koarine clay

No. T. Cu Au
% g/t
60. 0.021 <0.04
59. 0.009 <0.04
58. 0.004 <0.04
57. 0.007 <0.04
56. 0.006 <0.04
55. 0.004 <0.04
54. 0.005 <0.04
53 0.006 <0.04
52. 0.007 <0.04
51 0.010 <0.04
50. 0.013 <0.04
49. 0.025 <0.04
48. 0.018 <0.04
47. 0.036 0.05
46. 0.026 0.07
45. 0.062 <0.04
44. 0.063 <0.04
43. 0.072 0.21
42. 0.055 0.12
41. 0.11 0.05
40. 0.33 0.56
39. 0.24 <0.04
38. 0.24 0.07
37. 0.26 <0.04
36. 0.18 0.16
35. 0.22 <0.04
34. 0.25 0.23
T-1
T-2
T-3
T-4
T-5
T-6
T-7
T-8
T-9
T-10
T-11


3000 West
1475
1500
1525
1550
1575
1490
MJCV-13
P4
P3
P2O
P1
Legend
Aeropuerta formation
KVo
Andesitic lava
Intrusion
KTp
Diorite porphyry
Hydrothermal Alteration zone
Ths
Intensely silicified zone
Thsv
Quartz sericitized zone
Tha
Siliceous argillized zone
Thp
Chloritized zone
Mineralization
Limonite and Jarosite rich zone
Geologic contact

Line 3

Line 2

11a Tcu Au
23. 0.22 <0.04
24. 0.16 0.12
brownish grey
jarosite - kaolinite clay
Caliche network
partly aphanitic andesite texture relics

24. 0.24 0.07
25. 0.24 <0.04
T-2
dark green aphanitic andesite
27. 0.29 0.12
Caliche network
28. 0.35 0.36
jarosite veinlet
Cu oxd. diss
29. 0.14 <0.04
30. 0.29 <0.04
31. 0.32 <0.04
T-3
X-5
40. 0.53 0.56
gypsum, bassonite, zeolite

41. 0.11 0.05
brownish ~ purplish grey
jarosite - natro jarosite - kaolinite clay
42. 0.055 0.12
Cu oxd, diss weakly
43. 0.072 0.21
brownish white
hematite - kaolinite clay
44. 0.063 <0.04
jarosite - kaolinite clay veinlet
dark green aphanitic andesite
purplish grey
45. 0.042 <0.04
jarosite - natro jarosite - kaolinite clay
purplish grey ~ reddish brown
jarosite - hematite - kaolinite clay
46. 0.026 0.07
purplish ~ brownish white
hematite - jarosite - kaolinite clay
47. 0.036 0.05
jarosite - kaolinite clay
aphanitic andesite texture relics
grey partly yellowish
~ natro jarosite - kaolinite clay
purplish clay
quartz, anhydrite, muscovite, natro jarosite
strontianite
(yellowish clay)
quartz, halite natro jarosite, muscovite
48. 0.018 <0.04
reddish ~ purplish brown
jarosite - natro jarosite kaolinite clay
49. 0.025 <0.04
Cu oxd diss very weakly
X-6
gypsum, albite, gismondine, chlorite
brownish white
natro jarosite - jarosite - kaorine clay
plish ~ brownish white
osite - natro jarosite - kaolinite clay
tro jarosite - kaolinite clay

18. 0.28 0.07
1-2. T-1
19. 0.84 <0.04
gypsun
K-3 quartz, albite, muscovite
20. 0.26 0.07
anhydrite, kaolinite
21. 0.051 <0.04
X-4
22. 0.16 0.07
gypsum, quartz, muscovite, chlorite, hematite
Cu oxd diss weakly

1625
1600
1575
1550
1525
1500
1475
1450
1425

397.000E
7,144.000N

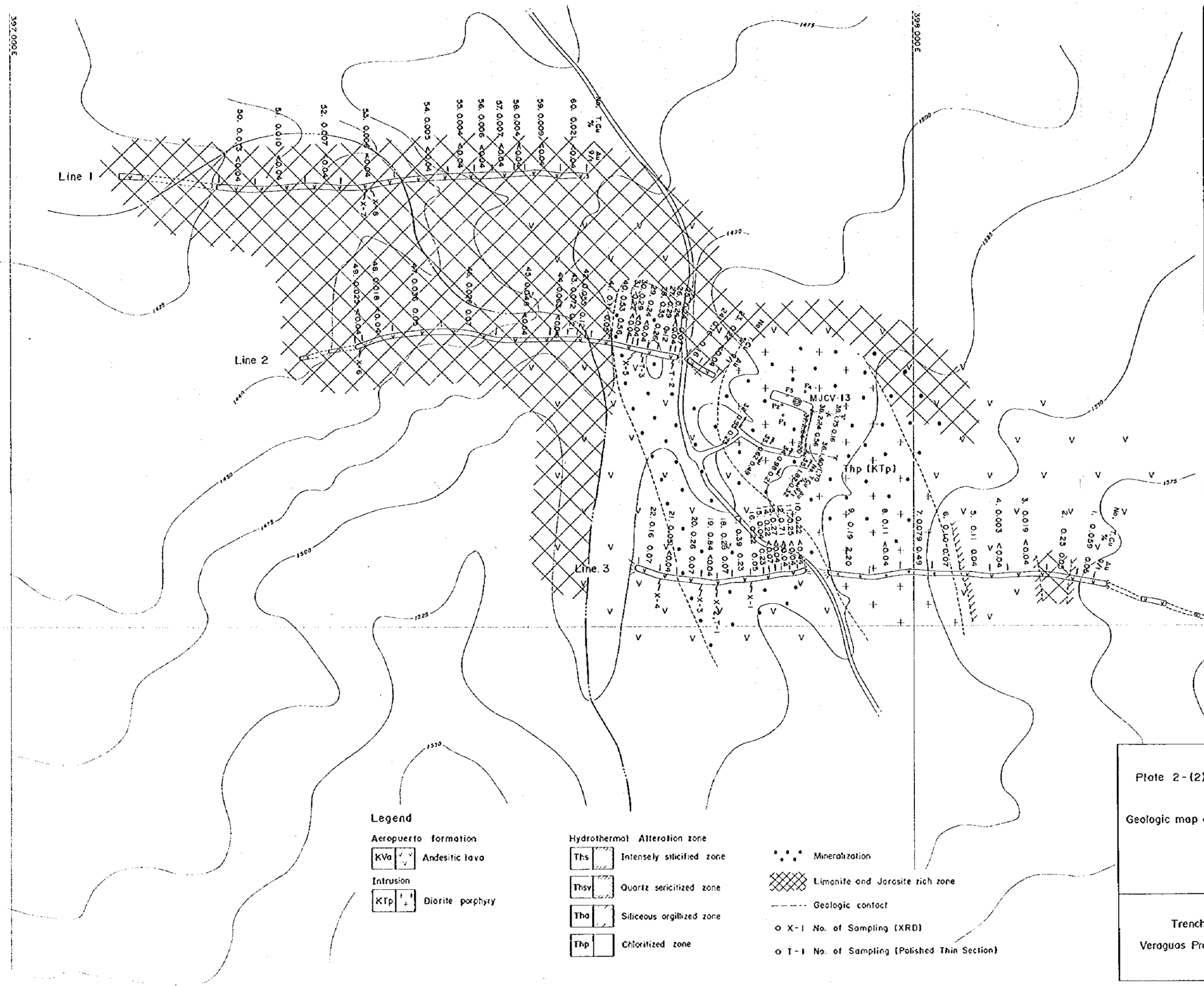
Plate 2 - (1)

Sketch of the trench survey district

(1 : 1,000)

Trench Survey, Phase II

Veraguas Project, JICA/MMAJ-ENAMI


397,000E
399,000E
7,144,000N
Line 1
Line 2
Line 3
MJCV-13
Thp (KTp)
Legend
Aeropuerto formation
KVa Andesitic lava
Intrusion
KTp Diorite porphyry
Hydrothermal Alteration zone
Ths Intensely silicified zone
Thsv Quartz sericitized zone
Tha Siliceous orgillized zone
Thp Chloritized zone
Mineralization
Limonite and Jarosite rich zone
Geologic contact
X-1 No. of Sampling (XRD)
T-1 No. of Sampling (Polished Thin Section)
Plate 2-(2)
Geologic map of the trench survey district
(1:2,000)
Trench Survey, Phase II
Veraguas Project, JICA/MMAJ-ENAMI