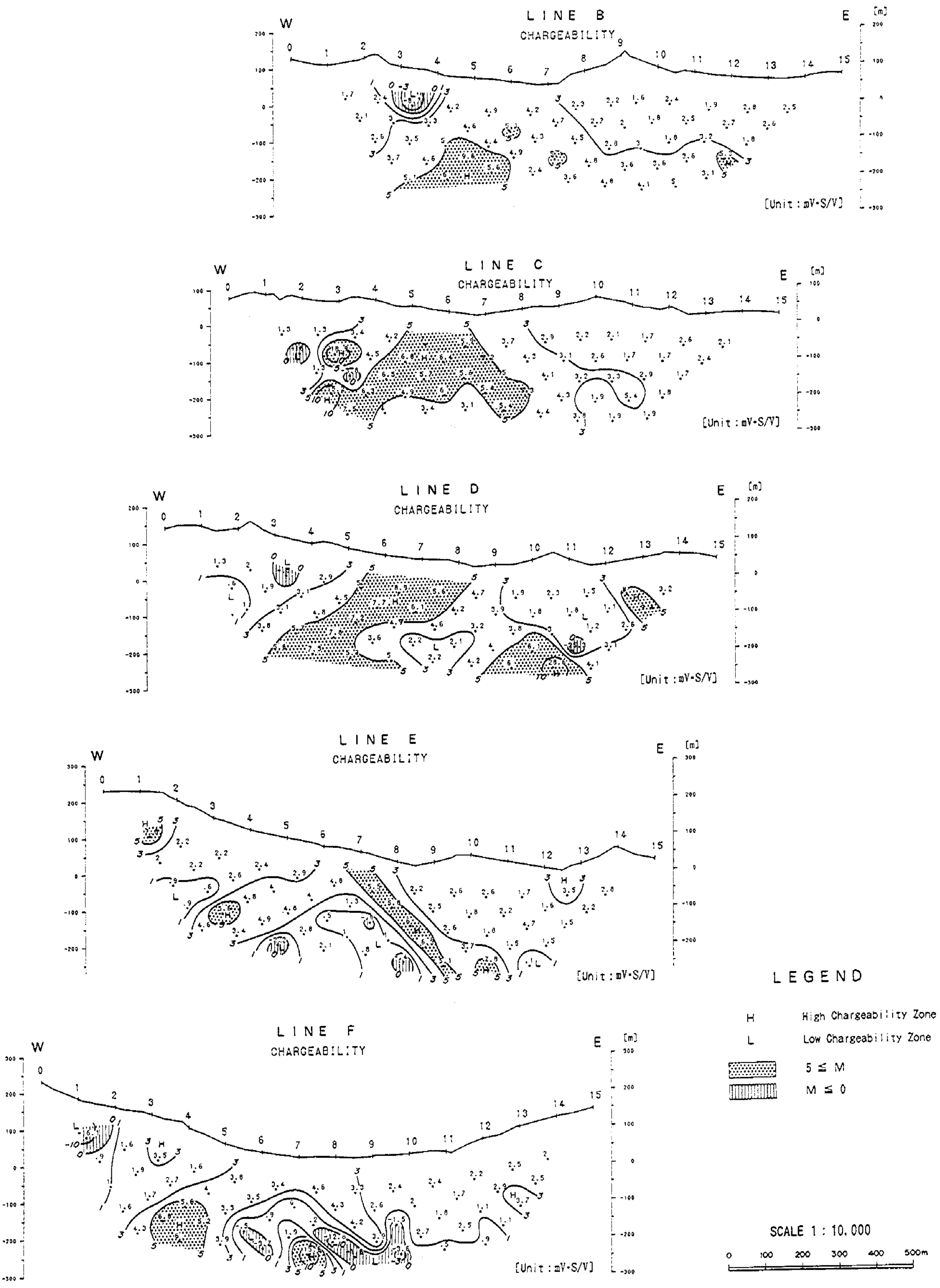
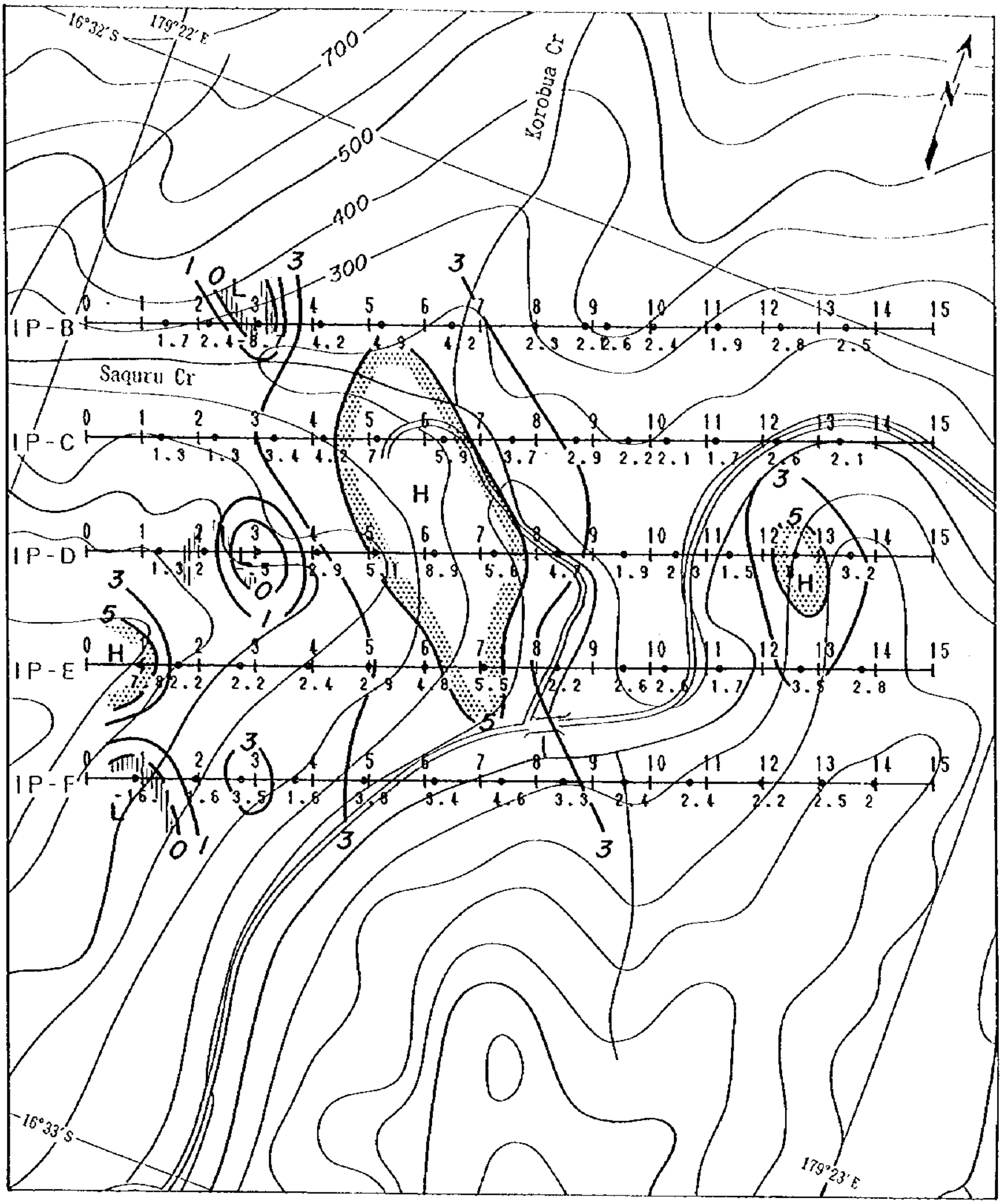


Fig. 2-2-22 TDIP Pseudo-section of Chargeability [Line B-F]



SCALE 1 : 10,000

0 100 200 300 400 500m

LEGEND

IP-B 0 1, 2.3	Line Name & Station No. / Chargeability (mV·S/V)	H	High Chargeability Zone
		L	Low Chargeability Zone
3	Contour Line Value & Chargeability (mV·S/V)	(dotted)	5 ≦ M
		(hatched)	M ≦ 0

Fig. 2-2-23 (1) TDIP Plane Map of Chargeability [n=1]

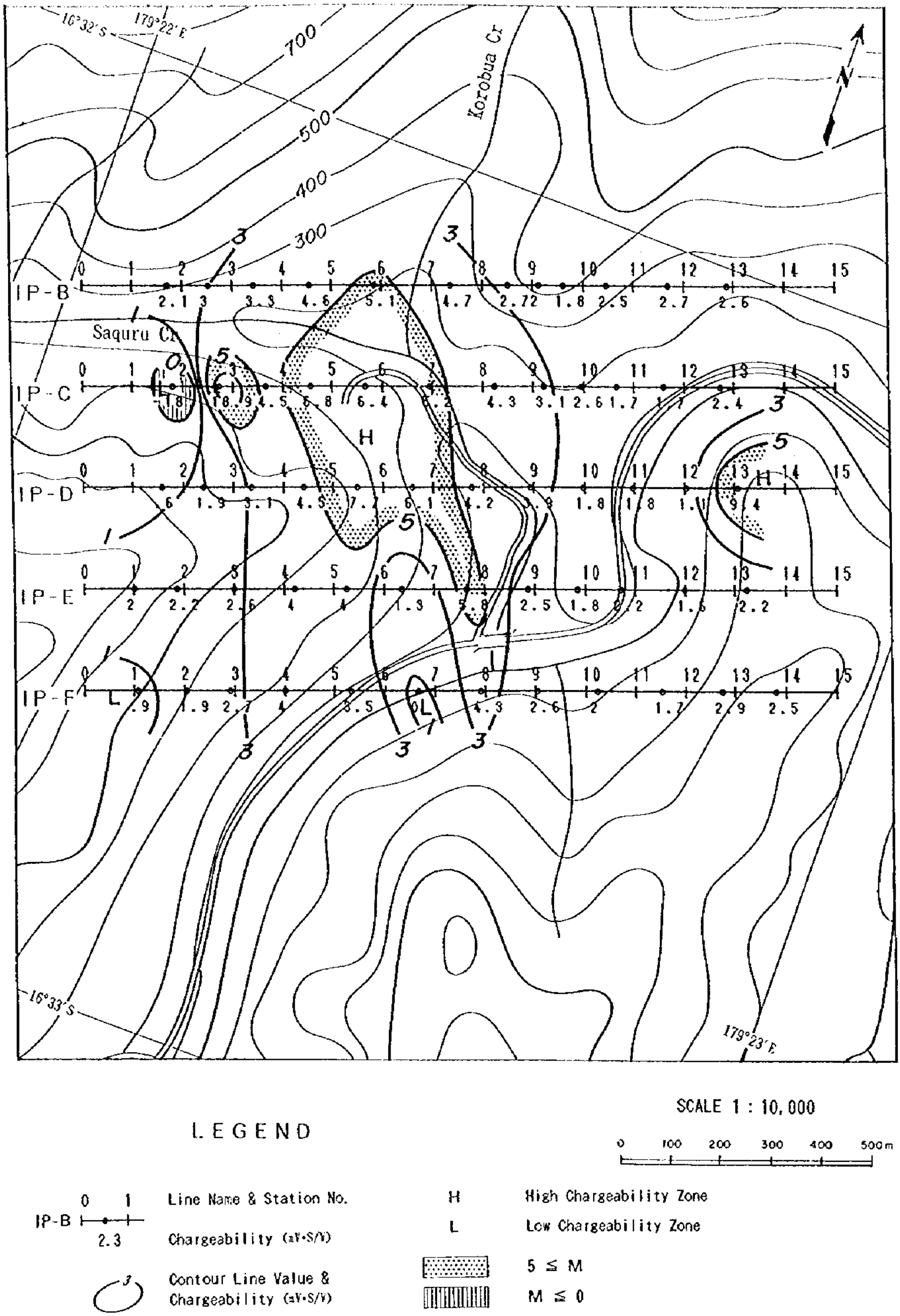
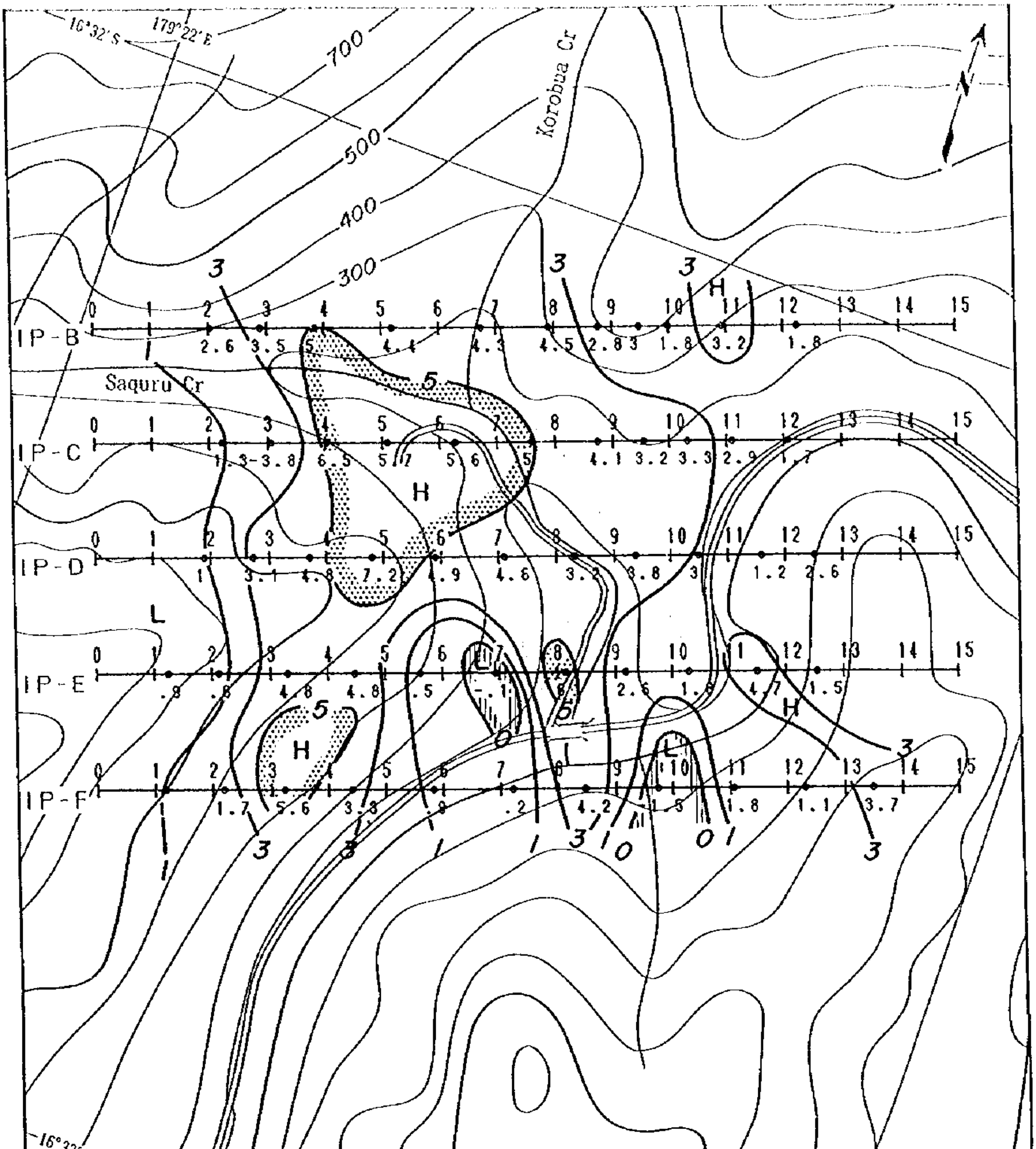


Fig. 2-2-23 (2) TDIP Plane Map of Chargeability [n=2]



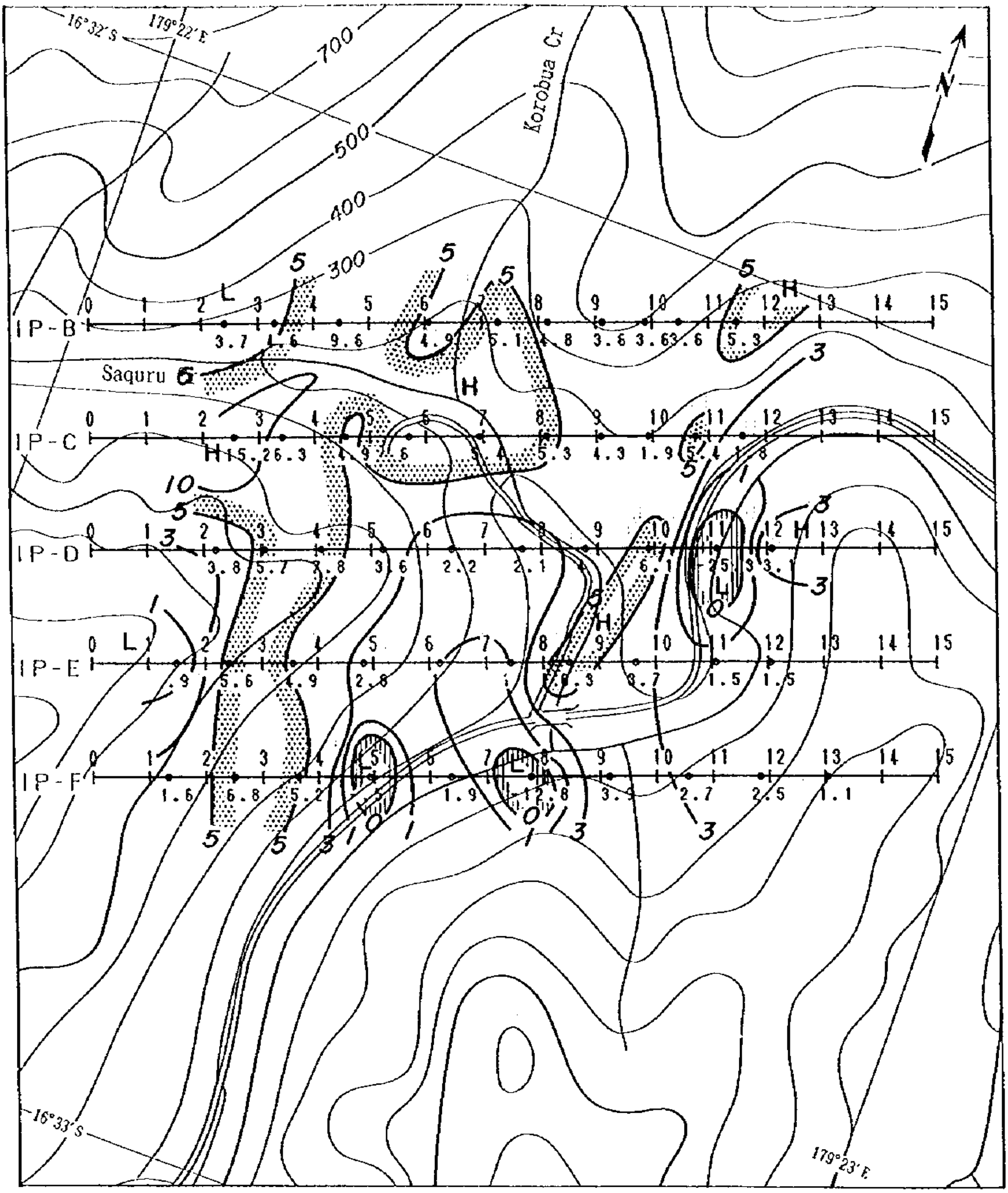
SCALE 1 : 10,000

0 100 200 300 400 500m

LEGEND

IP-B 0 1 / 2.3	Line Name & Station No. / Chargeability (mV·S/V)	H	High Chargeability Zone
		L	Low Chargeability Zone
3	Contour Line Value & Chargeability (mV·S/V)		5 ≦ M
			M ≦ 0

Fig. 2-2-23 (3) TDIP Plane Map of Chargeability [n=3]



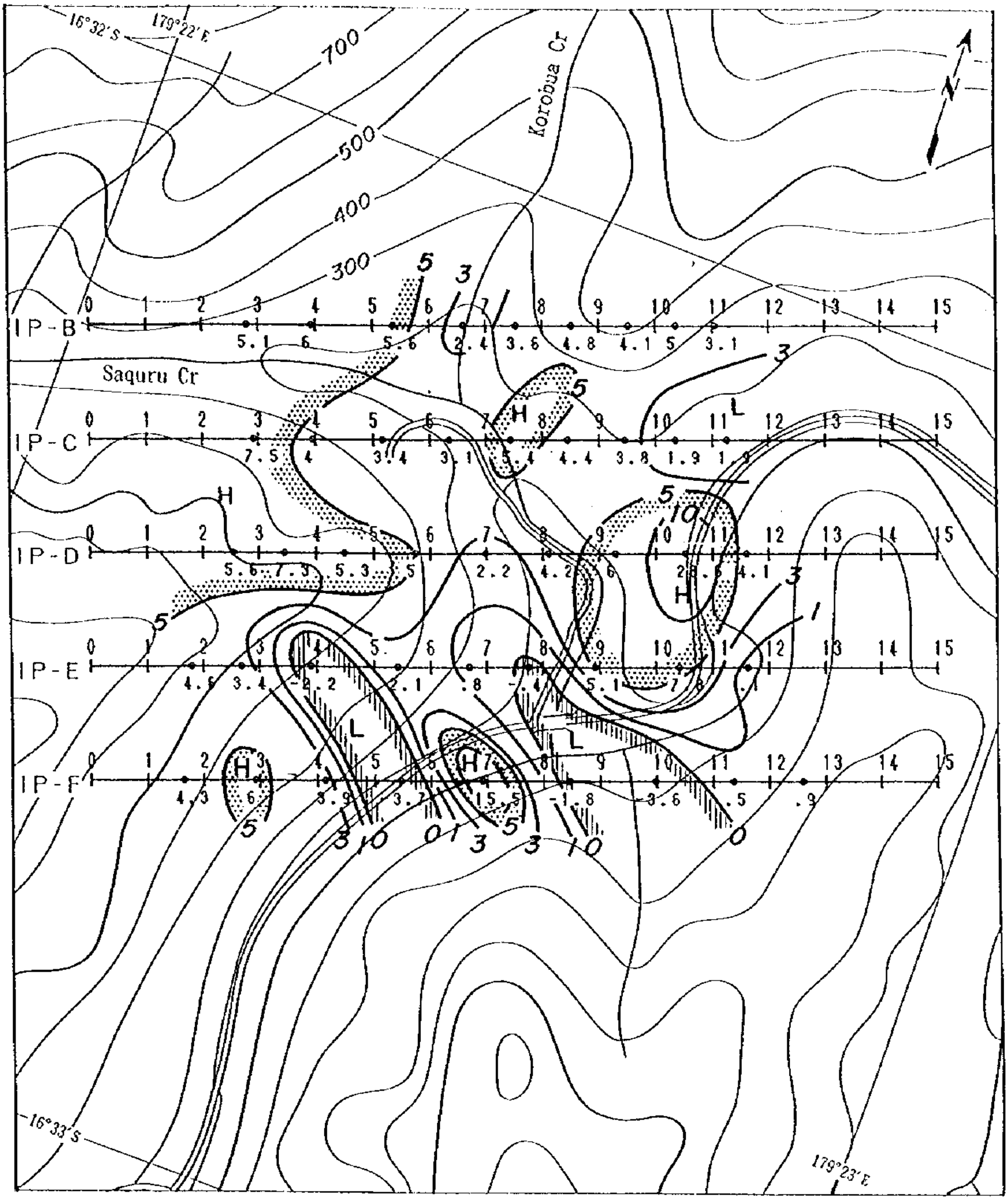
SCALE 1 : 10,000

0 100 200 300 400 500m

LEGEND

0 1 IP-B 2.3	Line Name & Station No. / Chargeability (mV·S/V)	H	High Chargeability Zone
		L	Low Chargeability Zone
3	Contour Line Value & Chargeability (mV·S/V)	(dotted pattern)	5 ≤ M
		(hatched pattern)	M ≤ 0

Fig. 2-2-23 (4) TDIP Plane Map of Chargeability [n=4]



SCALE 1 : 10,000

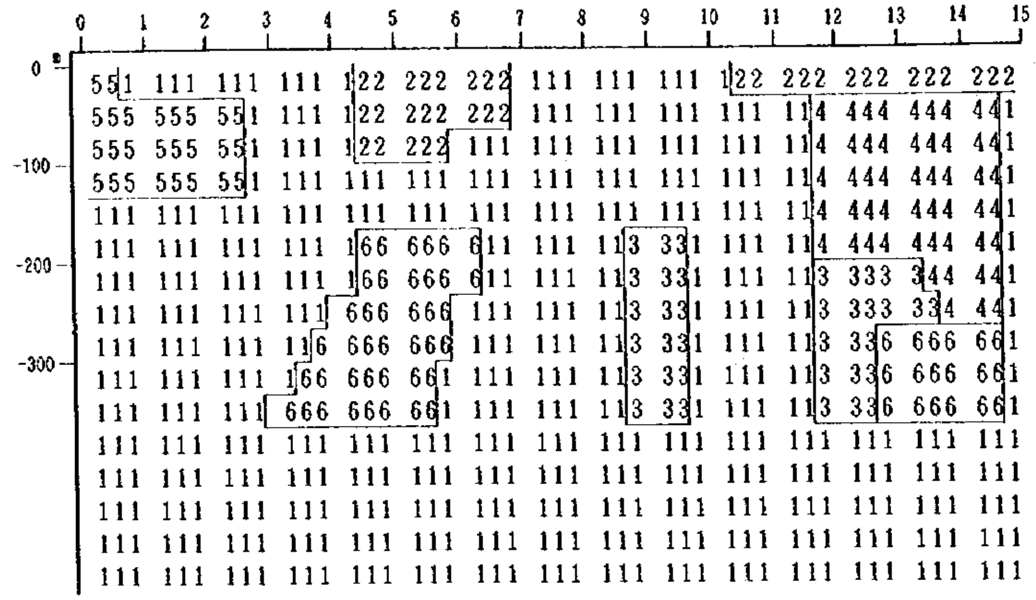
0 100 200 300 400 500m

LEGEND

IP-B 0 1	Line Name & Station No.	H	High Chargeability Zone
2.3	Chargeability (mV·S/V)	L	Low Chargeability Zone
	Contour Line Value & Chargeability (mV·S/V)		5 ≦ M
			M ≦ 0

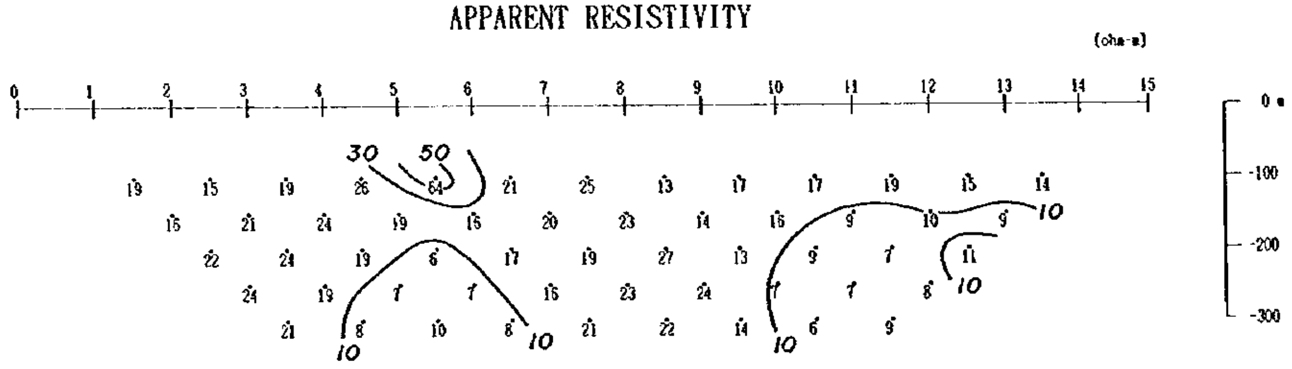
Fig. 2-2-23 (5) TDIP Plane Map of Chargeability [n=5]

SIMULATION MODEL LINE B

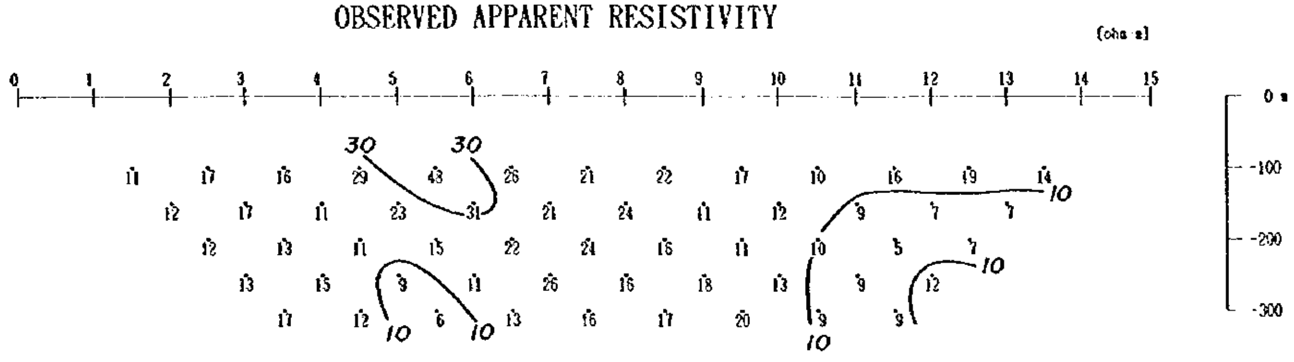


CODE	RESISTIVITY (ohm-m)	CHARGEABILITY (mV·S/V)
1	15	3.0
2	60	3.0
3	10	8.0
4	7	2.0
5	20	1.5
6	10	15.0

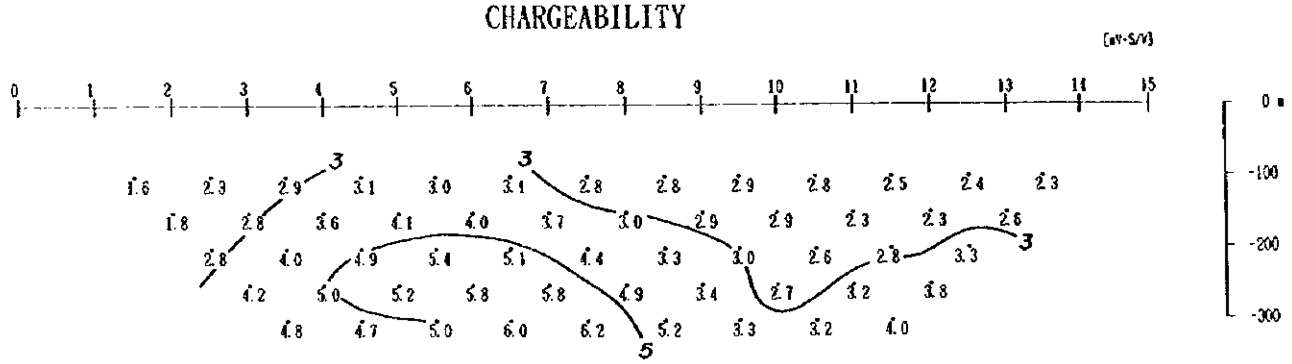
APPARENT RESISTIVITY



OBSERVED APPARENT RESISTIVITY



CHARGEABILITY



OBSERVED CHARGEABILITY

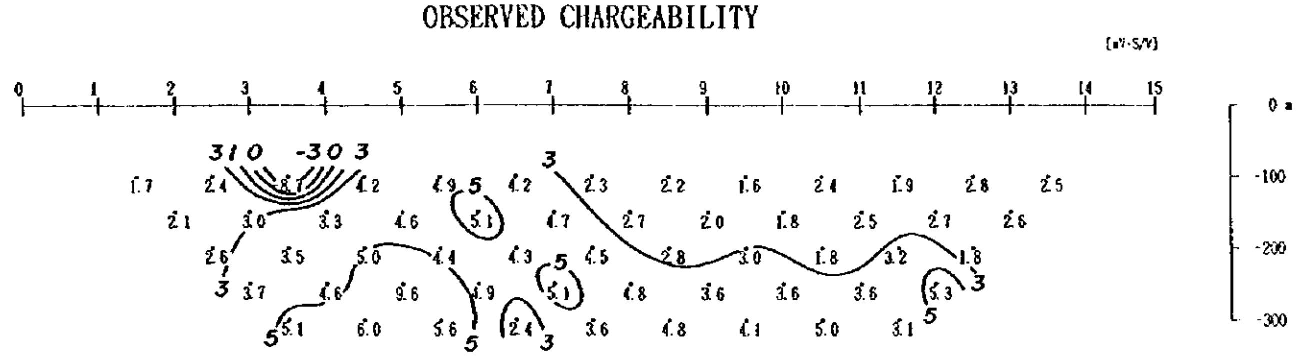


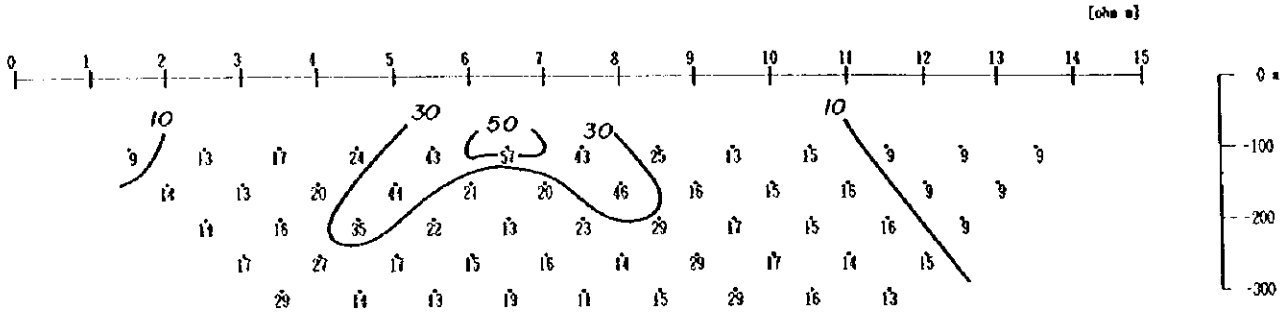
Fig. 2-2-24 (1) TDIP 2-d. Model Simulation Analysis [Line B]

SIMULATION MODEL LINE C

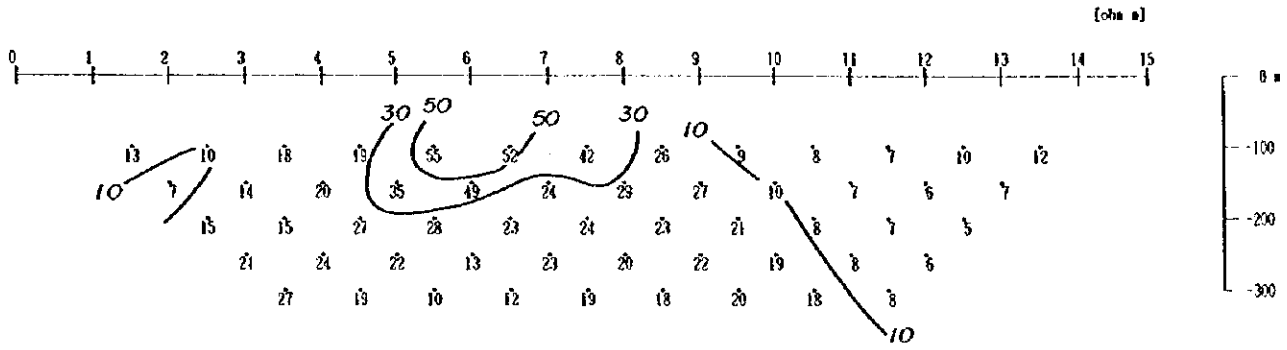
```
      0   1   2   3   4   5   6   7   8   9   10  11  12  13  14  15
0 m   111 111 112 222 222 234 444 432 222 222 111 111 111 111 111
      111 111 112 222 222 333 444 333 222 222 111 111 111 111 111
      111 111 112 222 223 333 333 333 222 222 221 111 111 111 111
-100  111 111 112 222 223 322 222 332 222 222 222 211 111 111 111
      111 222 222 222 222 222 222 222 222 222 222 211 111 111 111
      112 222 222 222 222 222 222 222 222 222 222 211 111 111 111
-200  222 222 222 222 222 222 222 222 222 222 222 222 221 111 111
      222 222 222 222 222 222 222 222 222 222 222 222 221 111 111
      222 222 222 222 222 222 222 222 222 222 222 222 221 111 111
-300  222 222 222 222 222 222 222 222 222 222 222 222 221 111 111
      222 222 222 222 211 111 111 111 111 111 111 111 111 111 111
      222 222 222 222 211 111 111 111 111 111 111 111 111 111 111
      222 222 222 222 211 111 111 111 111 111 111 111 111 111 111
      222 222 222 111 111 111 111 111 111 111 111 111 111 111 111
      222 222 222 111 111 111 111 111 111 111 111 111 111 111 111
      222 222 222 111 111 111 111 111 111 111 111 111 111 111 111
```

CODE	RESISTIVITY (ohm-m)	CHARGEABILITY (mV·S/V)
1	10	1.5
2	20	4.0
3	30	5.0
4	150	10.0

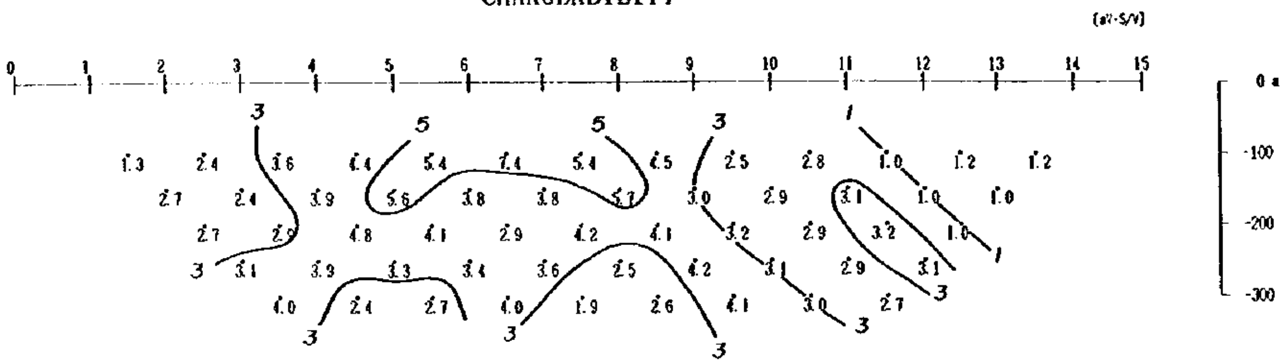
APPARENT RESISTIVITY



OBSERVED APPARENT RESISTIVITY



CHARGEABILITY



OBSERVED CHARGEABILITY

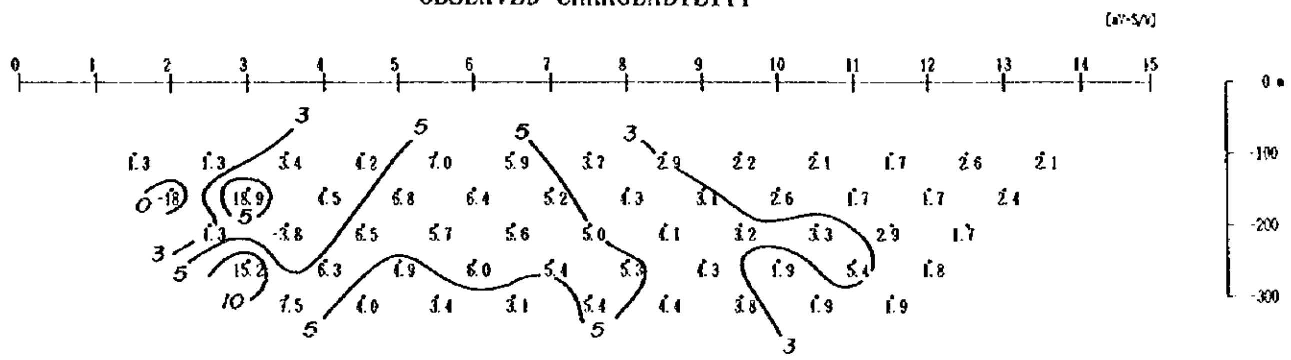


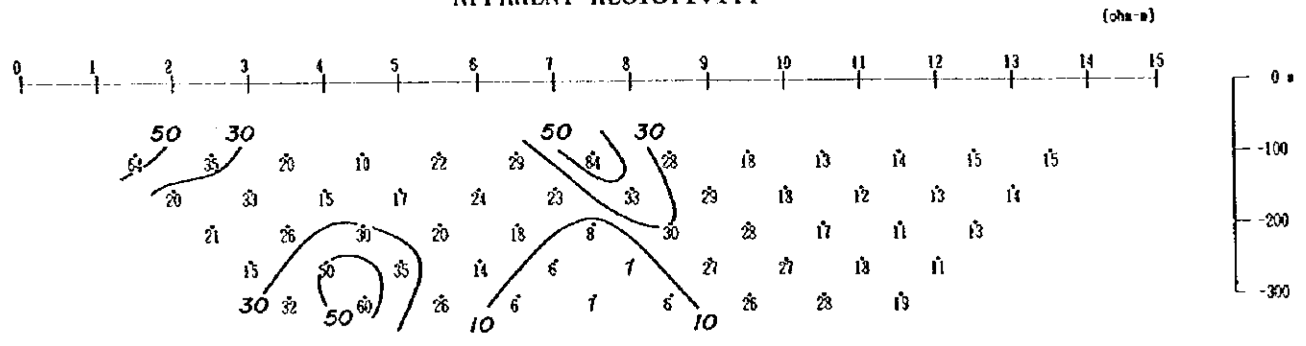
Fig. 2-2-24 (2) TDIP 2-d. Model Simulation Analysis [Line C]

SIMULATION MODEL LINE E

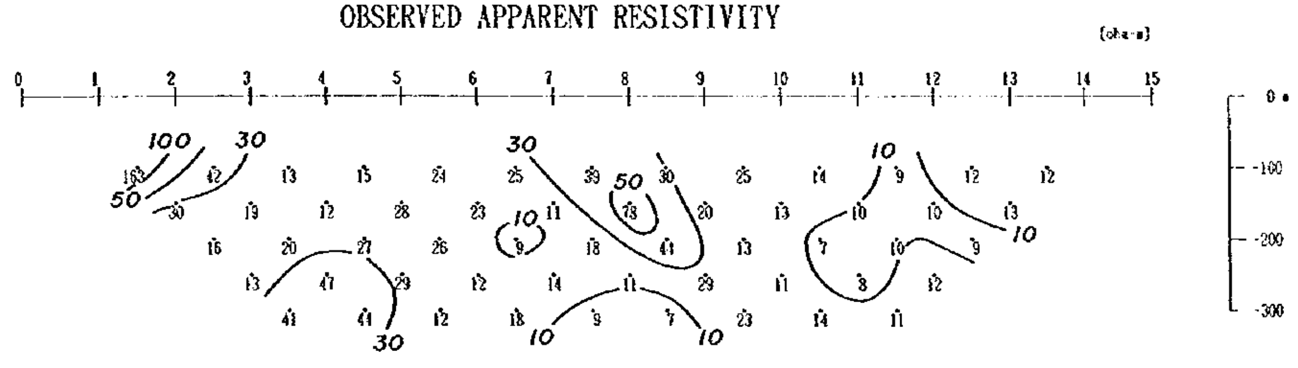
Depth	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14	14–15
0	666	666	444	333	333	333	444	447	773	333	333	333	333	333	333
	666	666	444	333	333	333	445	557	773	333	333	333	333	333	333
	333	333	333	333	333	333	445	557	773	333	333	333	333	333	333
-100	333	333	444	333	333	111	115	557	773	333	333	333	333	333	333
	333	333	444	333	333	111	114	447	773	333	222	222	222	333	333
	333	333	444	333	333	111	114	447	773	333	222	222	222	333	333
-200	333	444	444	444	333	331	111	333	333	333	333	333	333	333	333
	333	444	444	444	333	331	111	333	333	333	333	333	333	333	333
	333	444	444	444	333	331	111	333	333	333	333	333	333	333	333
-300	333	333	333	333	111	111	111	111	333	333	333	333	333	333	333
	333	333	333	333	111	111	111	111	333	333	333	333	333	333	333
	333	333	333	333	111	111	111	111	333	333	333	333	333	333	333
	333	333	333	333	111	111	111	111	333	333	333	333	333	333	333
	333	333	333	333	111	111	111	111	333	333	333	333	333	333	333
	333	333	333	333	111	111	111	111	333	333	333	333	333	333	333
	333	333	333	333	111	111	111	111	333	333	333	333	333	333	333

CODE	RESISTIVITY (ohm-m)	CHARGEABILITY (mV·S/V)
1	10	0.5
2	10	5.0
3	15	2.0
4	50	7.0
5	100	8.0
6	300	6.0
7	50	2.0

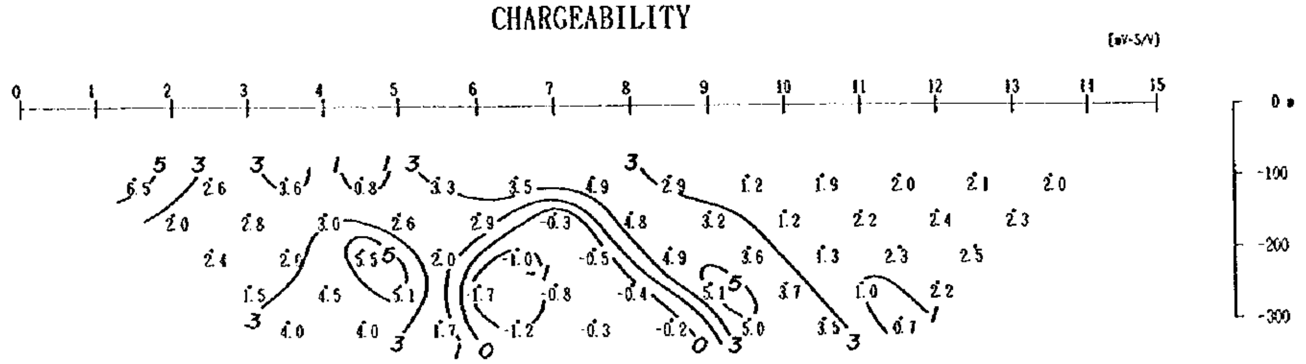
APPARENT RESISTIVITY



OBSERVED APPARENT RESISTIVITY



CHARGEABILITY



OBSERVED CHARGEABILITY

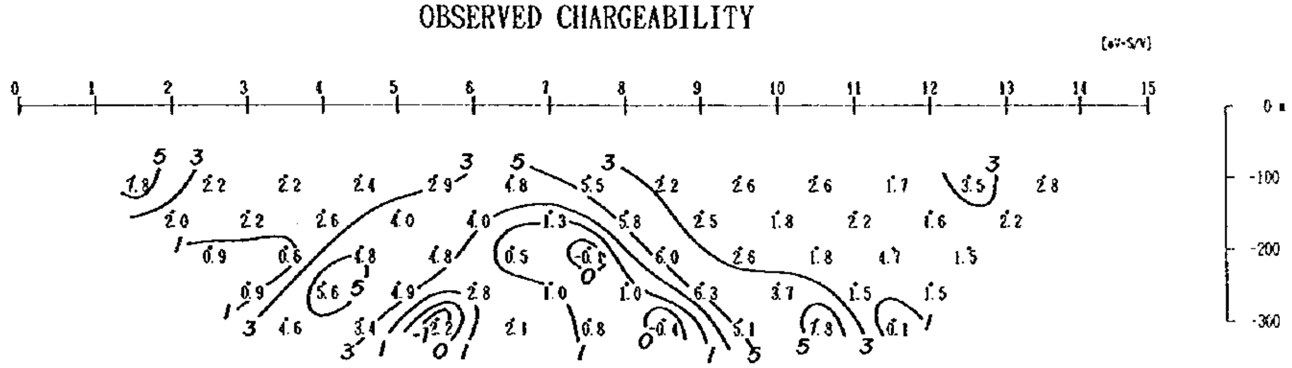


Fig. 2-2-24 (3) TDIP 2-d. Model Simulation Analysis (Line E)

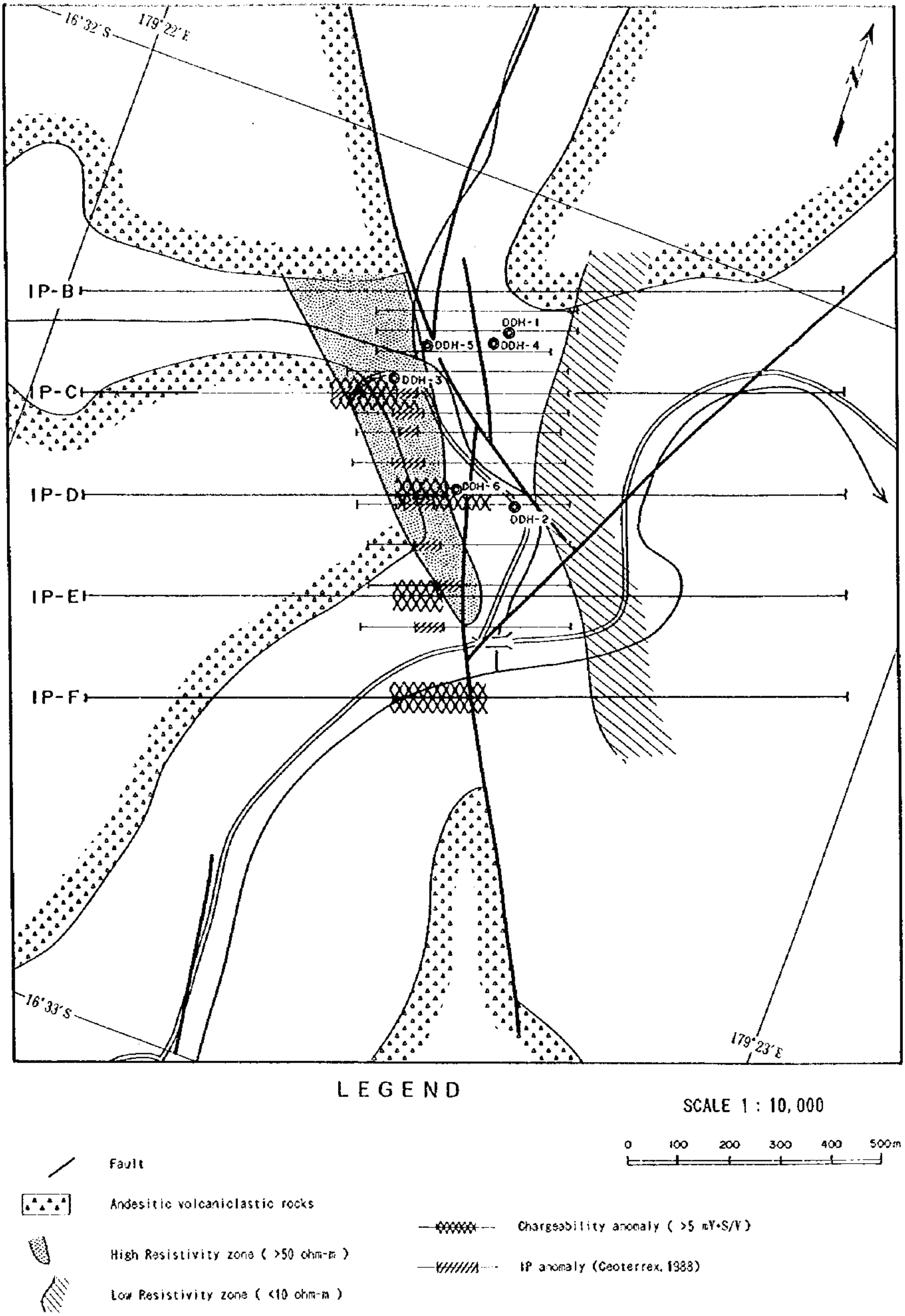


Fig. 2-2-25 TDIP Interpretation Map

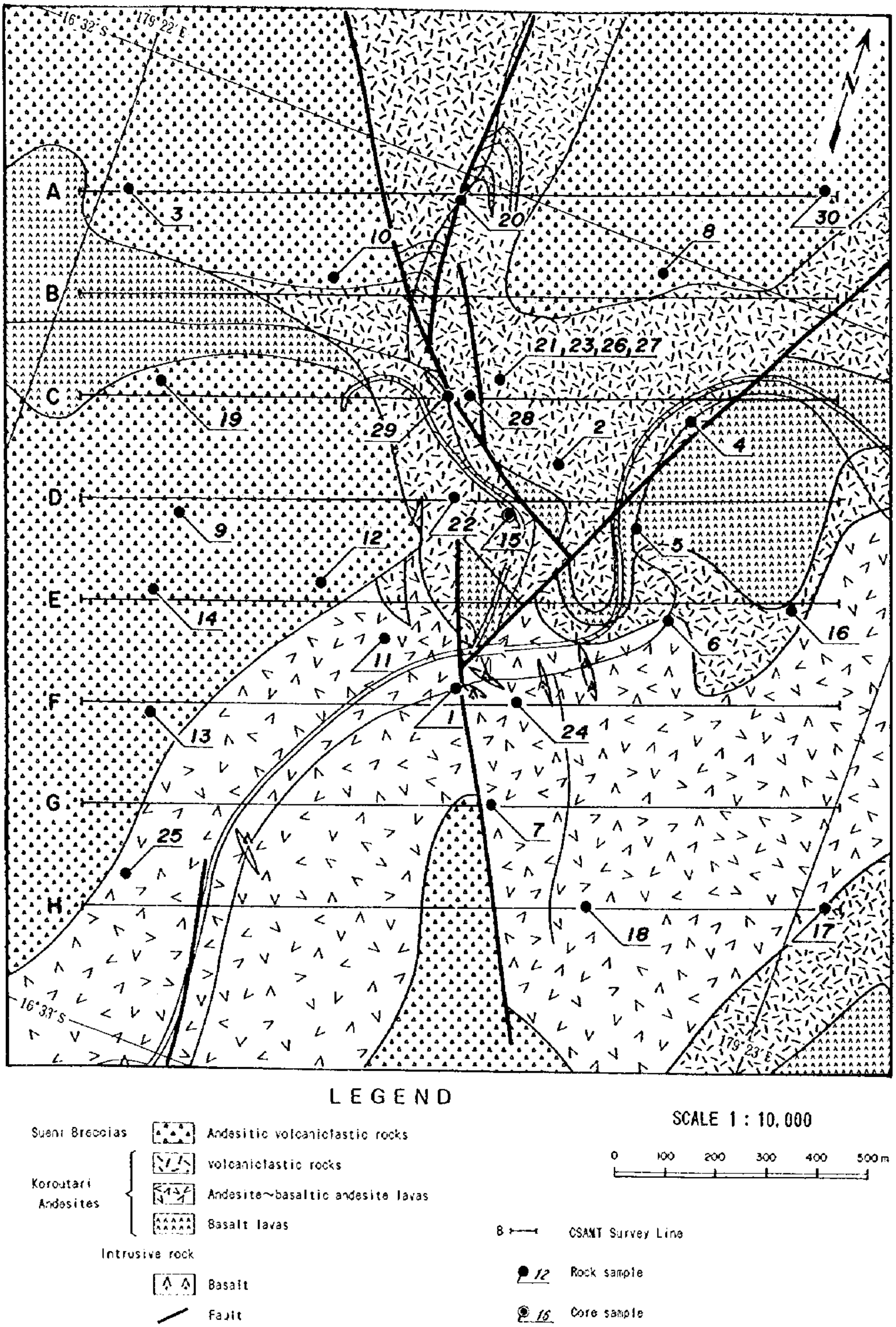


Fig. 2-2-26 Location Map of Rock Samples

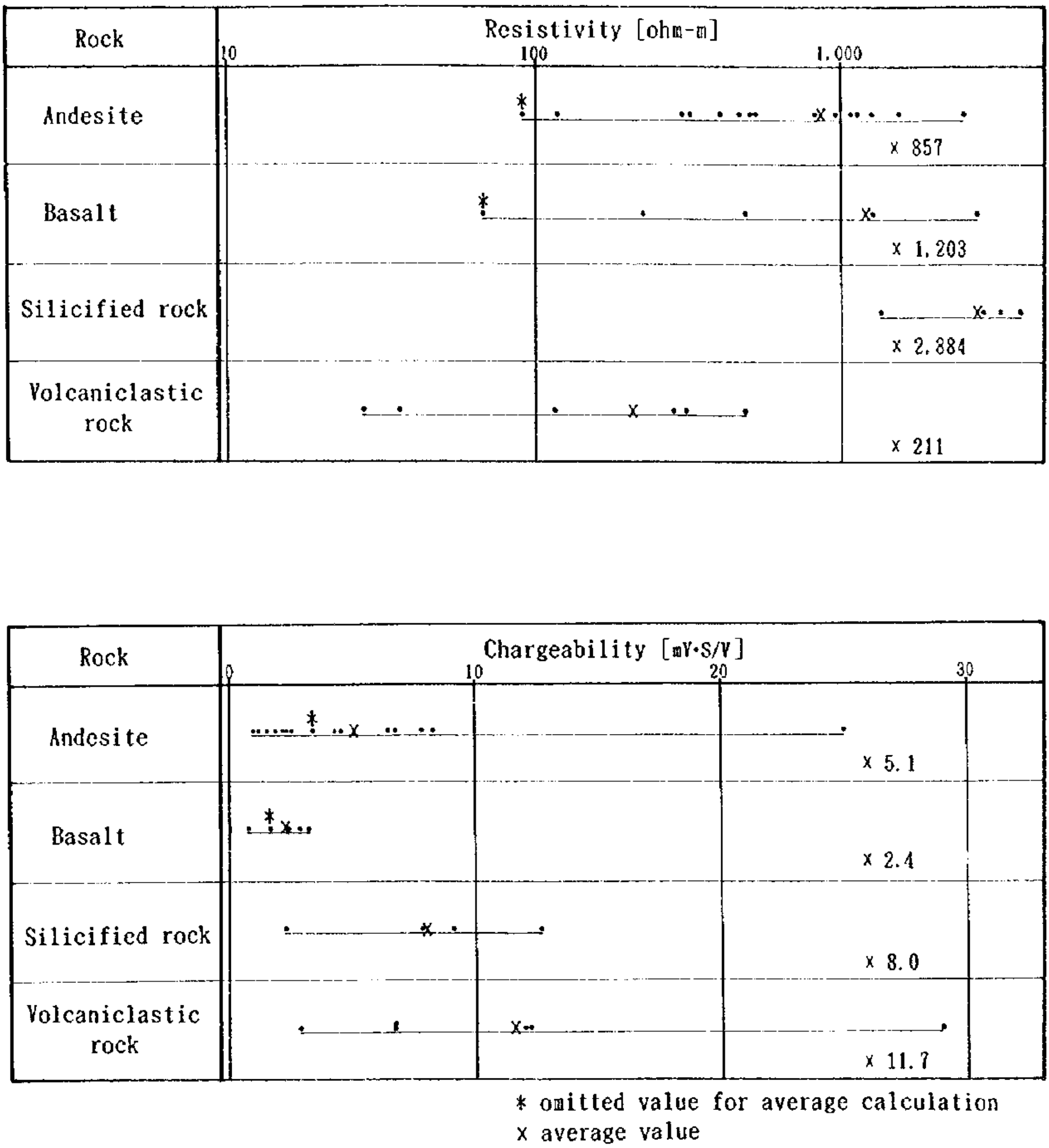


Fig. 2-2-27 Distribution for Resistivity and Chargeability of Rock Samples

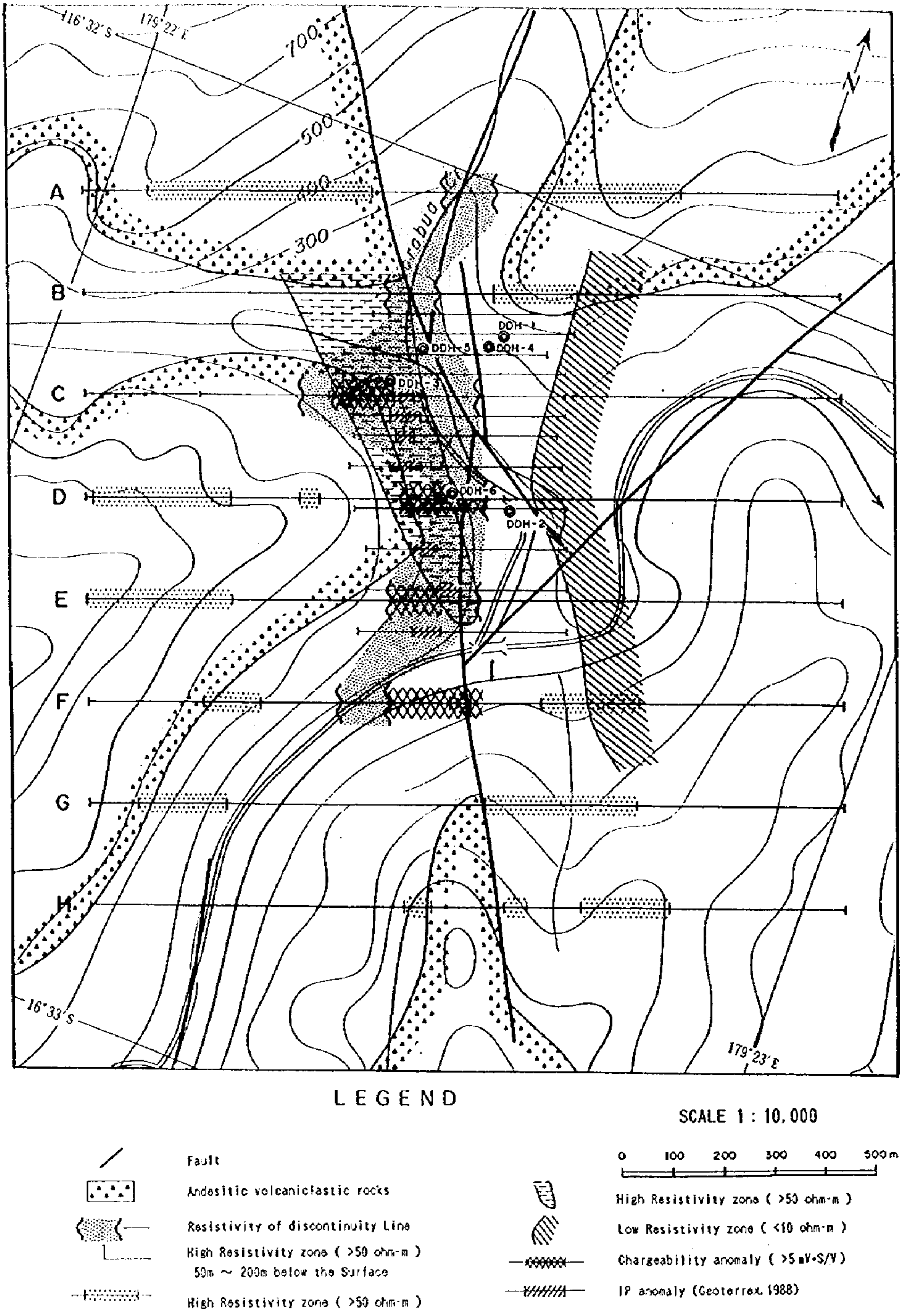


Fig. 2-2-28 Geophysical Interpretation Map

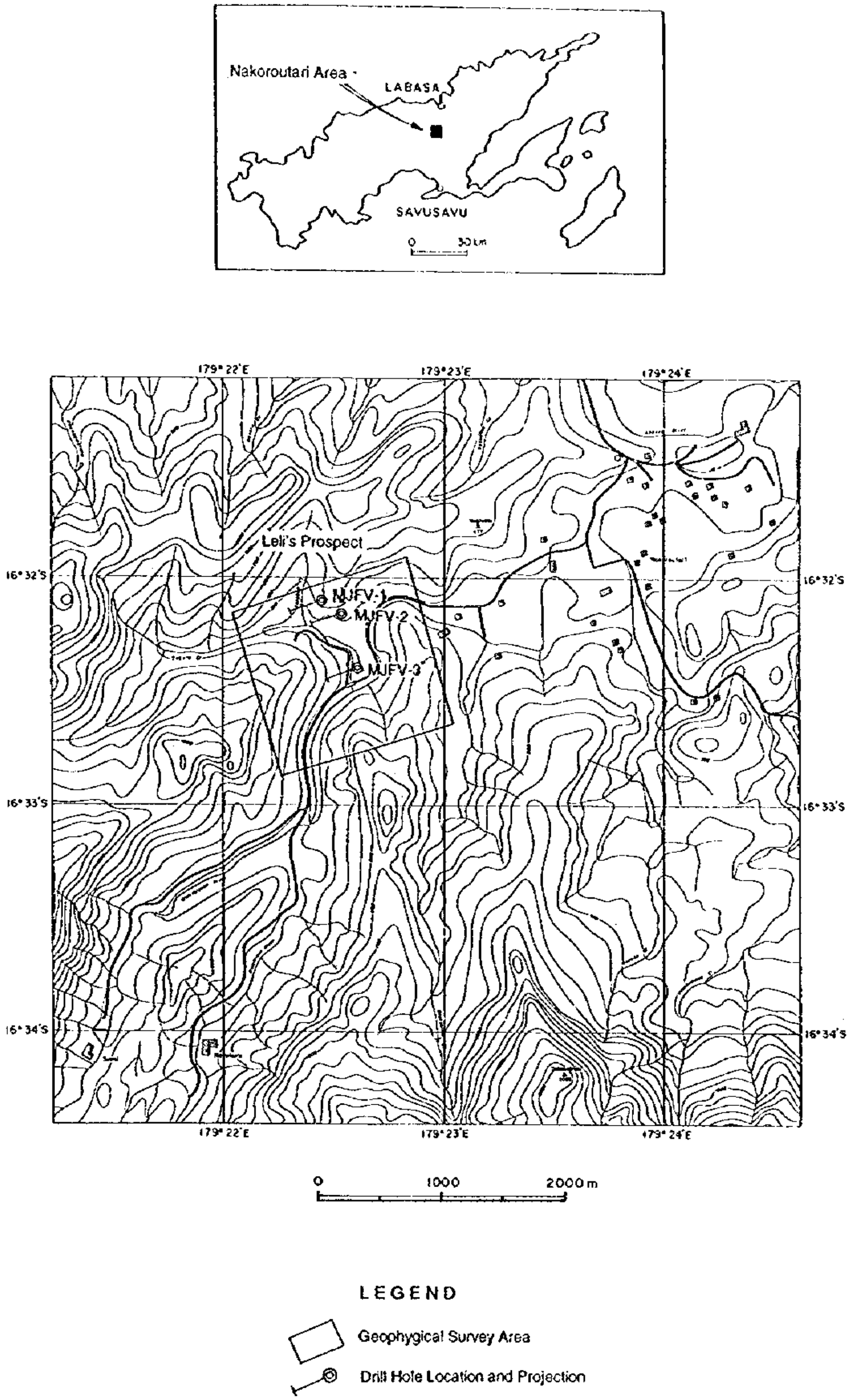
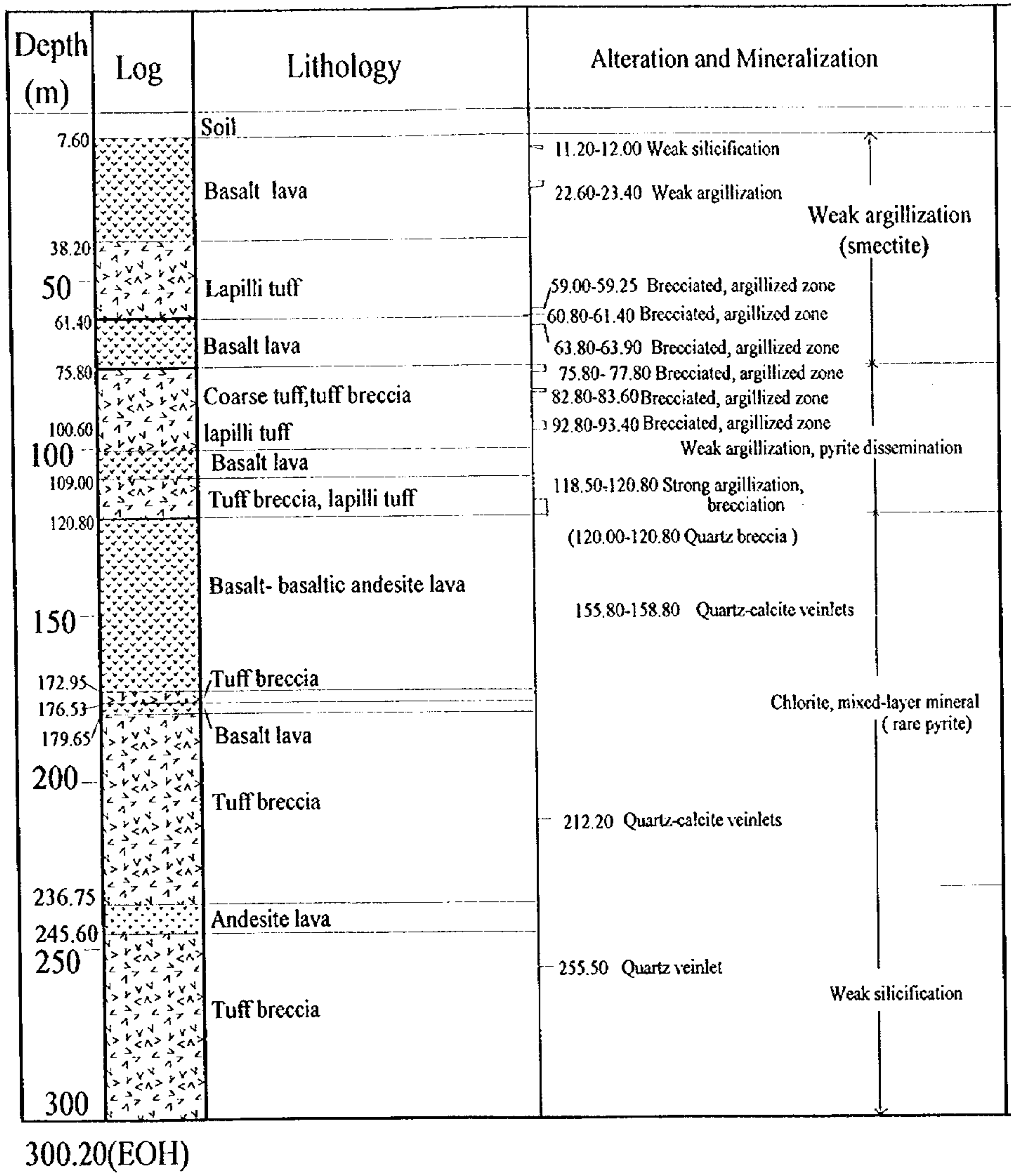


Fig. 2-2-29 Location Map of Drill Holes in the Nakoroutari Area

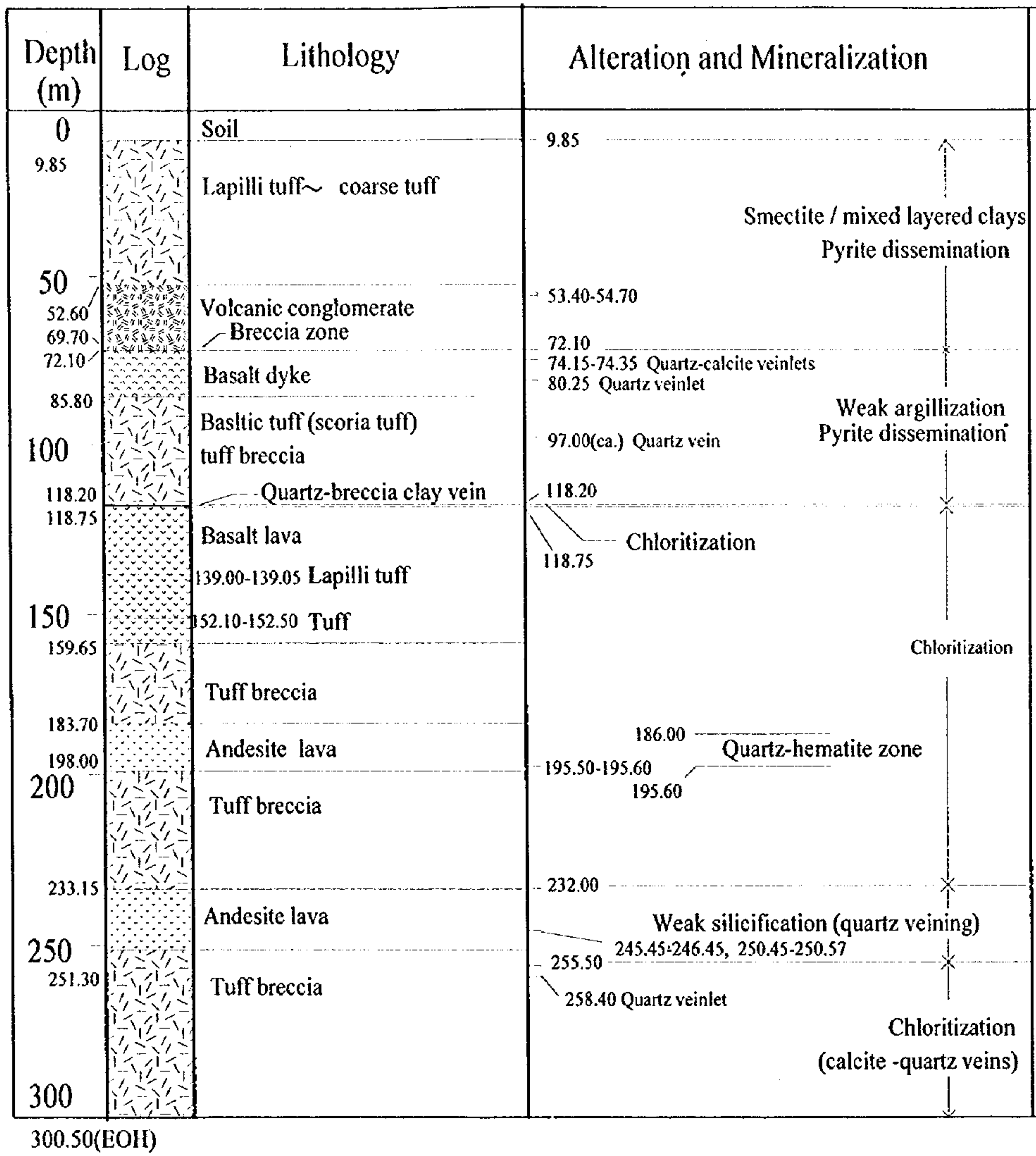


Chemical Analysis Results

Description	Depth (m)	Interval (m)	Au (g/t)	Ag (g/t)	As (ppm)	Sb (ppm)	Hg (ppm)
Cal-Qtz veinlet	60.80	0.20	0.029	3	46.0	3.8	1.750
Qtz veins	75.80	1.05	<0.008	<0.4	1.0	<0.5	<0.005
Ore zone	120.00	0.10	0.008	0.6	4.0	<0.5	0.006
Ore zone	120.10	0.10	0.100	0.7	13.0	<0.5	0.010
Ore zone	120.20	0.20	0.318	2.1	3.0	<0.5	0.005
Ore zone	120.40	0.05	5.76	90	40.0	0.9	0.047
Ore zone	120.45	0.35	0.404	3.5	38.0	<0.5	0.047
Qtz-breccia	212.20	0.30	0.011	<0.4	2.0	<0.5	<0.005
Qtz vein	255.50	0.08	0.023	0.6	2.0	<0.5	0.009

Qtz:Quartz

Fig. 2-2-30 Geologic Log of MJFV-1

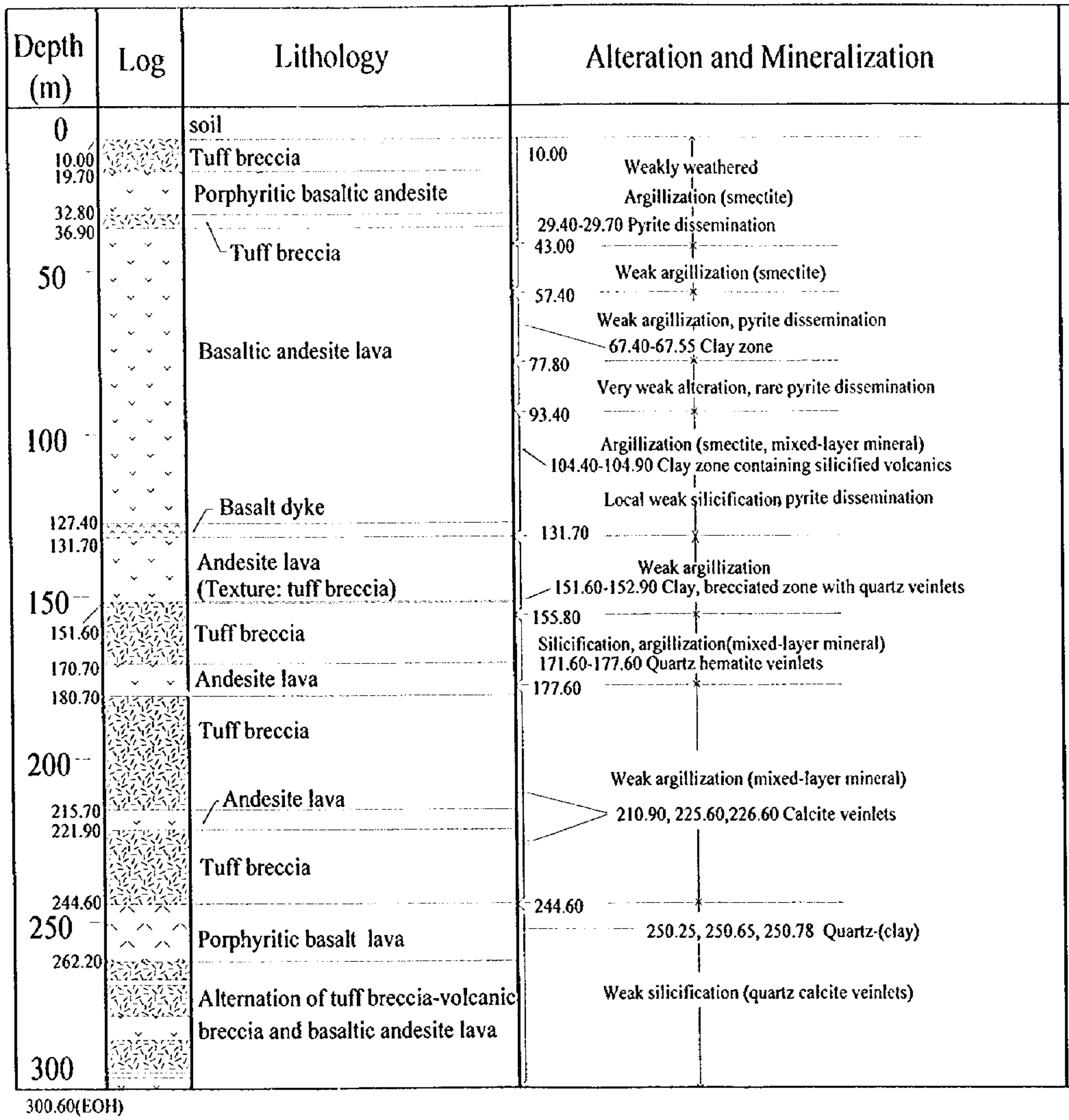


Chemical Analysis Results

Description	Depth (m)	Interval (m)	Au (g/t)	Ag (g/t)	As (ppm)	Sb (ppm)	Hg (ppm)
Tuff	50.00	1.00	0.059	1.6	12.0	<0.5	0.009
Silicified zone	53.30	1.40	0.031	1	37.0	0.6	0.338
Qtz-breccia +Clay	118.20	0.20	0.094	4.9	26.0	<0.5	0.009
Qtz-breccia +Clay	118.40	0.05	0.890	1.4	8.0	<0.5	<0.005
Qtz-breccia +Clay	118.45	0.10	0.895	1.6	2.0	<0.5	<0.005
Qtz-breccia +Clay	118.55	0.15	0.251	1.1	3.0	<0.5	<0.005
Qtz-breccia +Clay	118.70	0.05	0.815	3	3.0	<0.5	<0.005
Qtz Veinlet	186.00	0.18	0.018	<0.4	3.0	<0.5	<0.005
Qtz-breccia	195.10	0.10	0.010	<0.4	2.0	<0.5	<0.005
Qtz-breccia	195.50	0.10	0.032	<0.4	3.0	<0.5	<0.005
Qtz-Hematite Veinlets	245.35	1.00	0.010	<0.4	1.0	<0.5	<0.005
Qtz Veinlet	250.50	0.07	<0.008	<0.4	3.0	<0.5	0.012

Qtz:Quartz

Fig. 2-2-31 Geologic Log of MJFV-2



Chemical Analysis Results

Description	Depth (m)	Interval (m)	Au (g/t)	Ag (g/t)	As (ppm)	Sb (ppm)	Hg (ppm)
Argillized zone	67.40	0.15	0.010	<0.4	<1	<0.5	<0.005
Clay zone	104.40	0.50	0.638	1.6	85.0	11.9	0.023
Qtz vein	152.00	0.10	0.835	<0.4	<1	<0.5	<0.005
(Clay+Qtz)	152.10	0.10	5.06	<0.4	6.0	<0.5	0.005
Breccia zone (Clay+Qtz)	152.20	0.05	2.04	1	7.0	<0.5	0.005
Silicified zone	174.60	1.00	0.014	<0.4	<1	<0.5	<0.005
Qtz vein(1cm)	176.60	1.00	0.010	<0.4	<1	<0.5	<0.005
Qtz fragments	250.25	0.40	0.021	0.4	2.0	<0.5	<0.005
Clay-Qtz	250.65	0.13	0.012	1	1.0	<0.5	<0.005
Qtz stockwork	250.78	0.17	0.015	<0.4	<1	<0.5	<0.005

Qtz:Quartz

Fig. 2-2-32 Geologic Log of MJFV-3

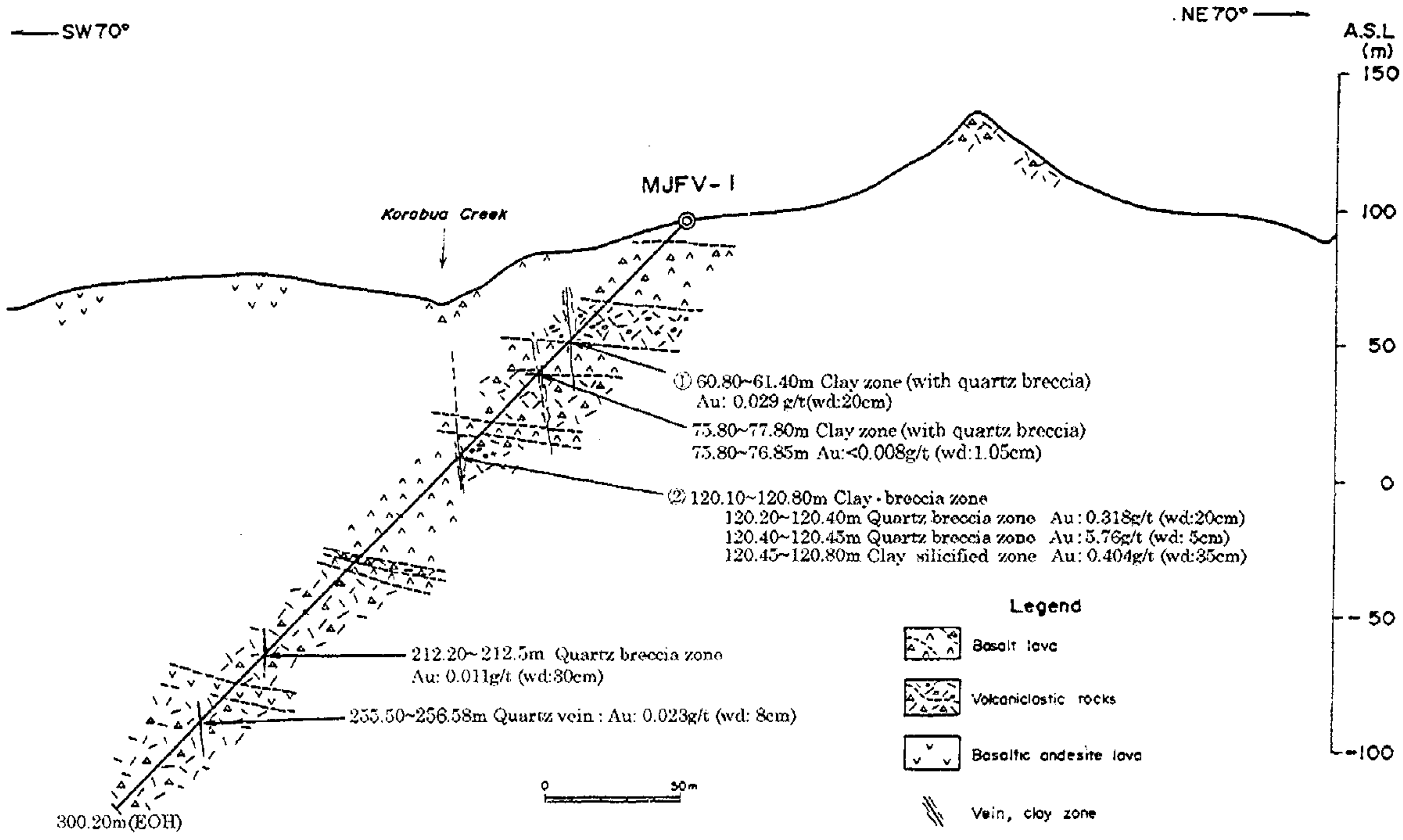


Fig. 2-2-33 Geologic Profile of MJFV-1

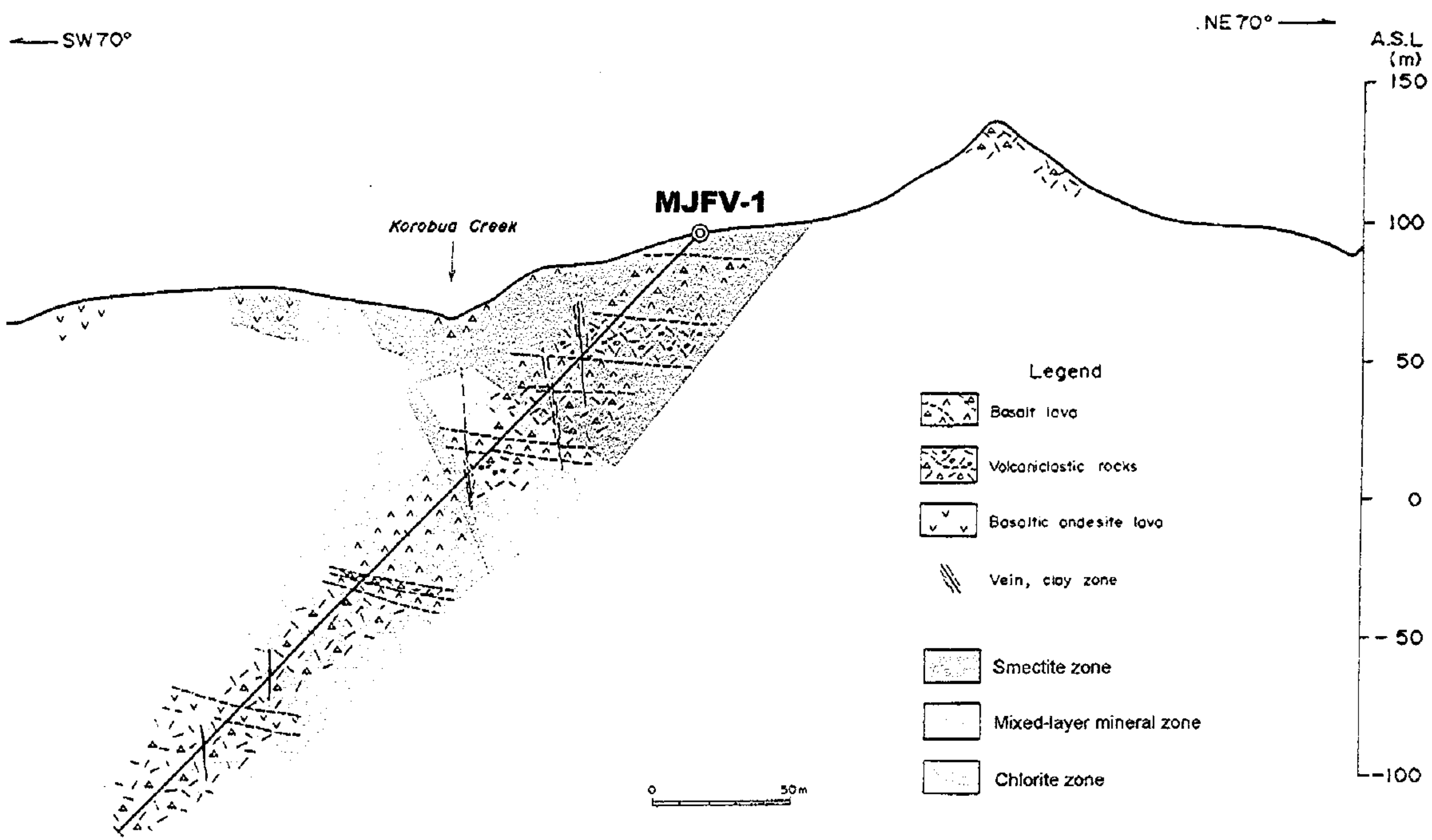


Fig. 2-2-34 Schematic Alteration Zoning of MJFV-1

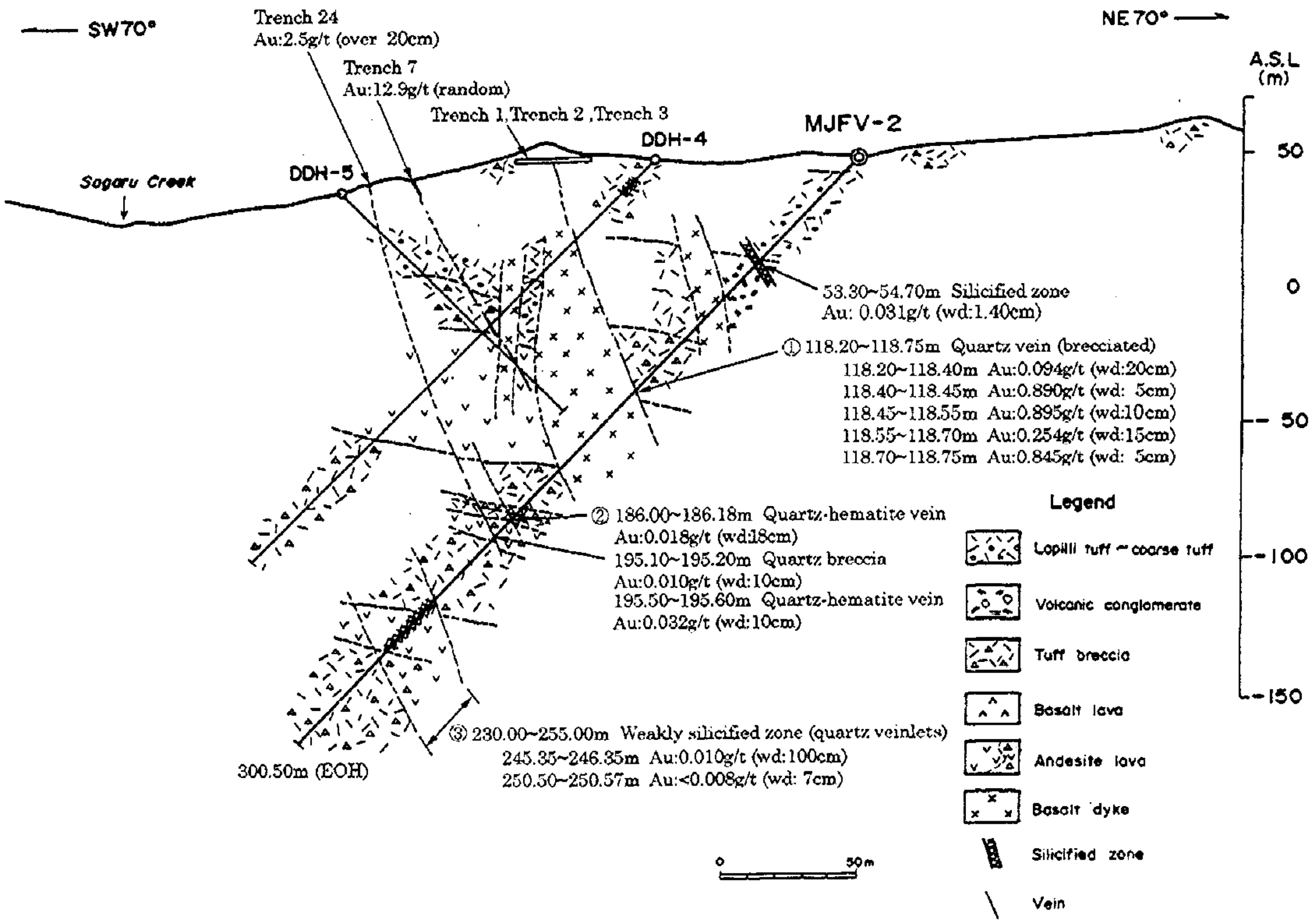


Fig. 2-2-35 Geologic Profile of MJFV-2

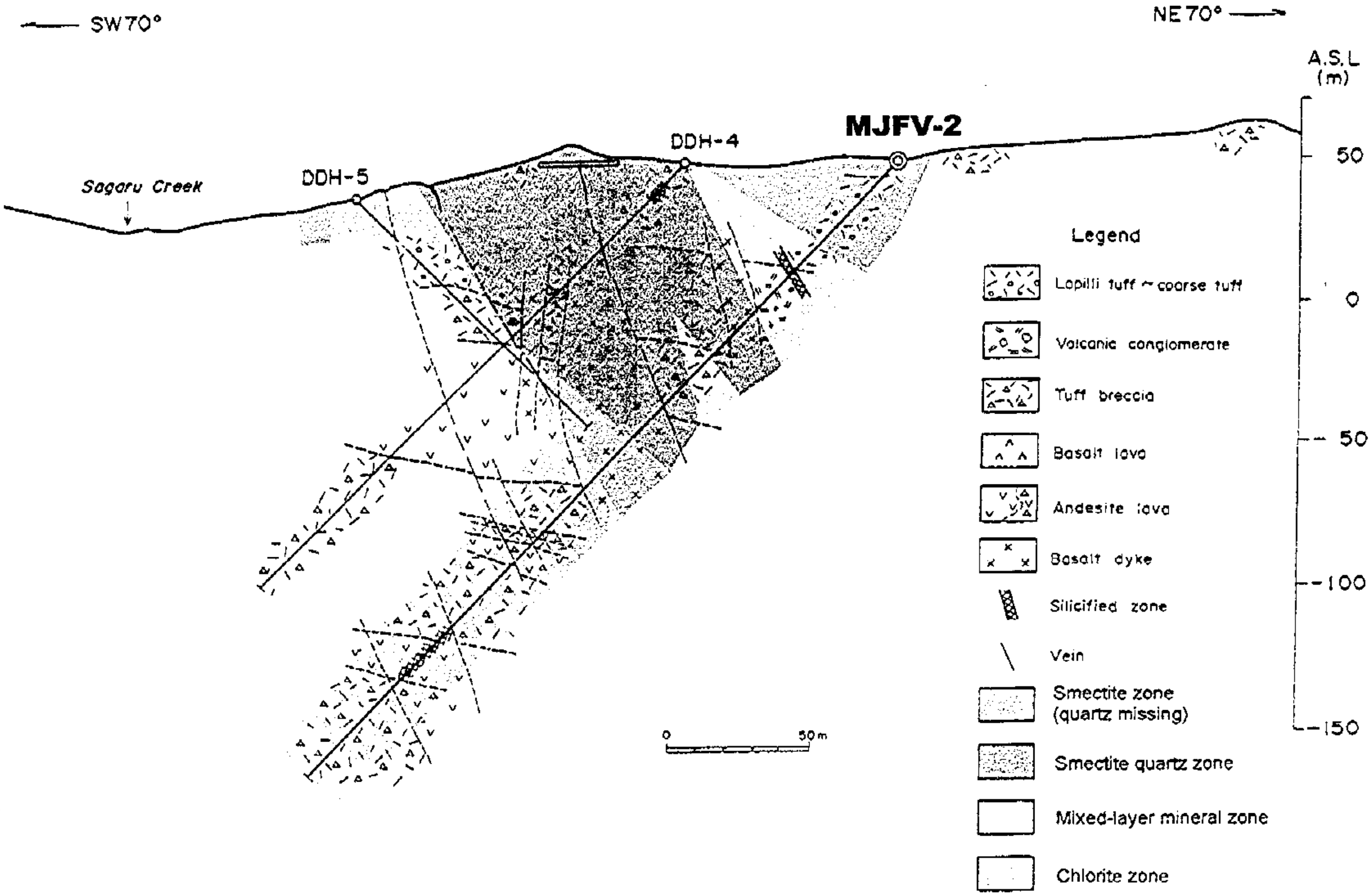


Fig. 2-2-36 Schematic Alteration Zoning of MJFV-2

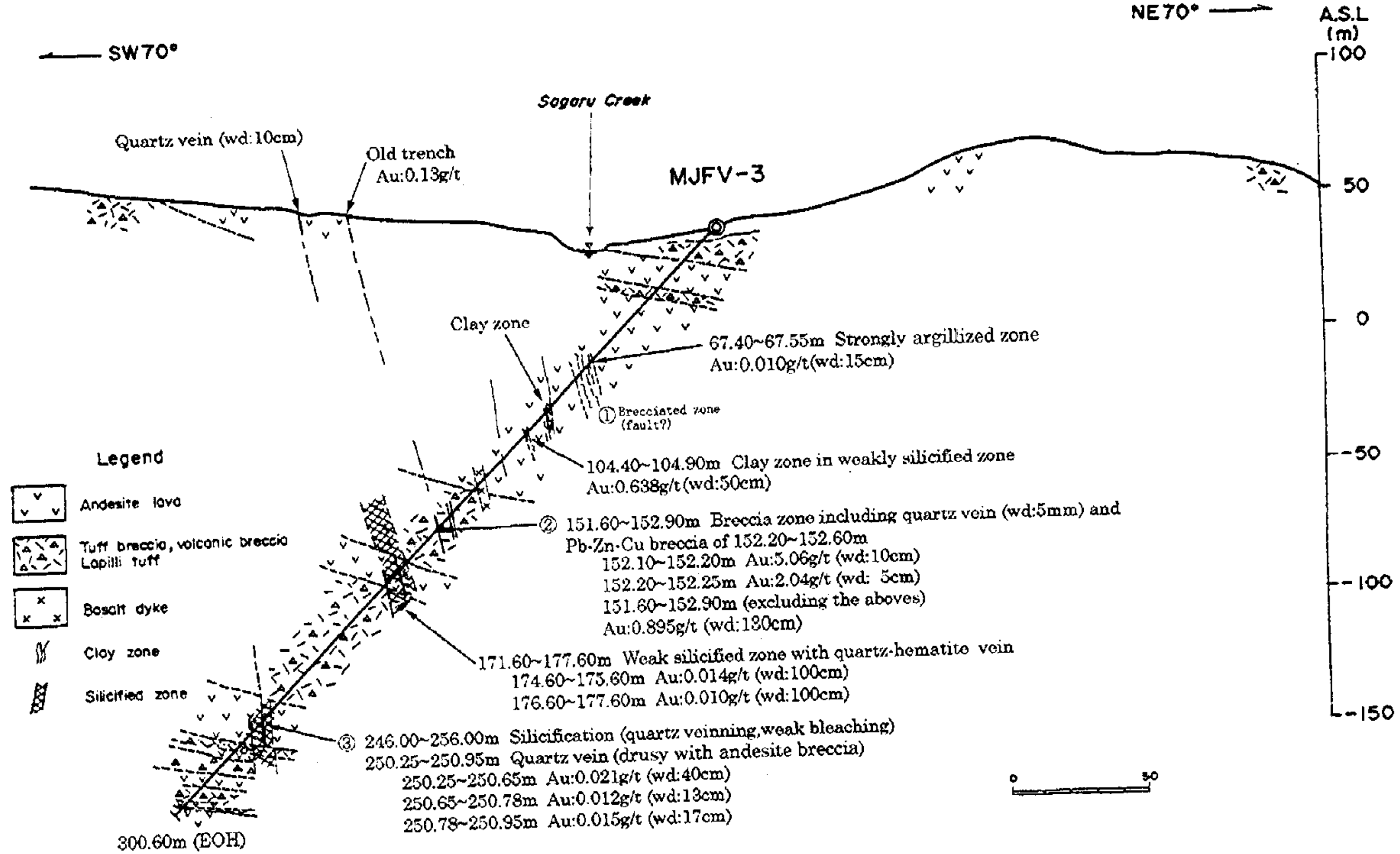


Fig. 2-2-37 Ge ologic Profile of MJFV-3

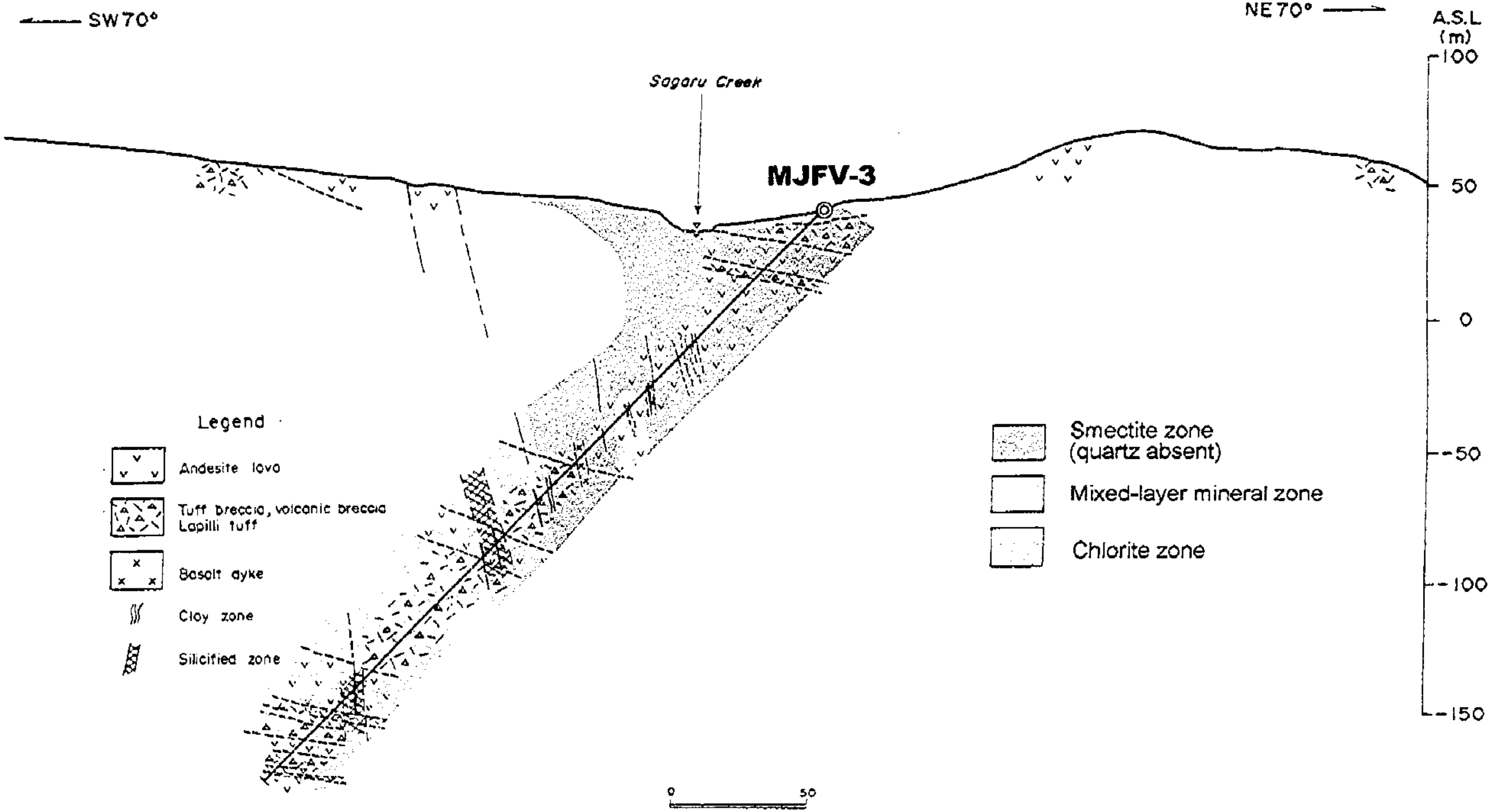


Fig. 2-2-38 Schematic Alteration Zoning of MJFV-3

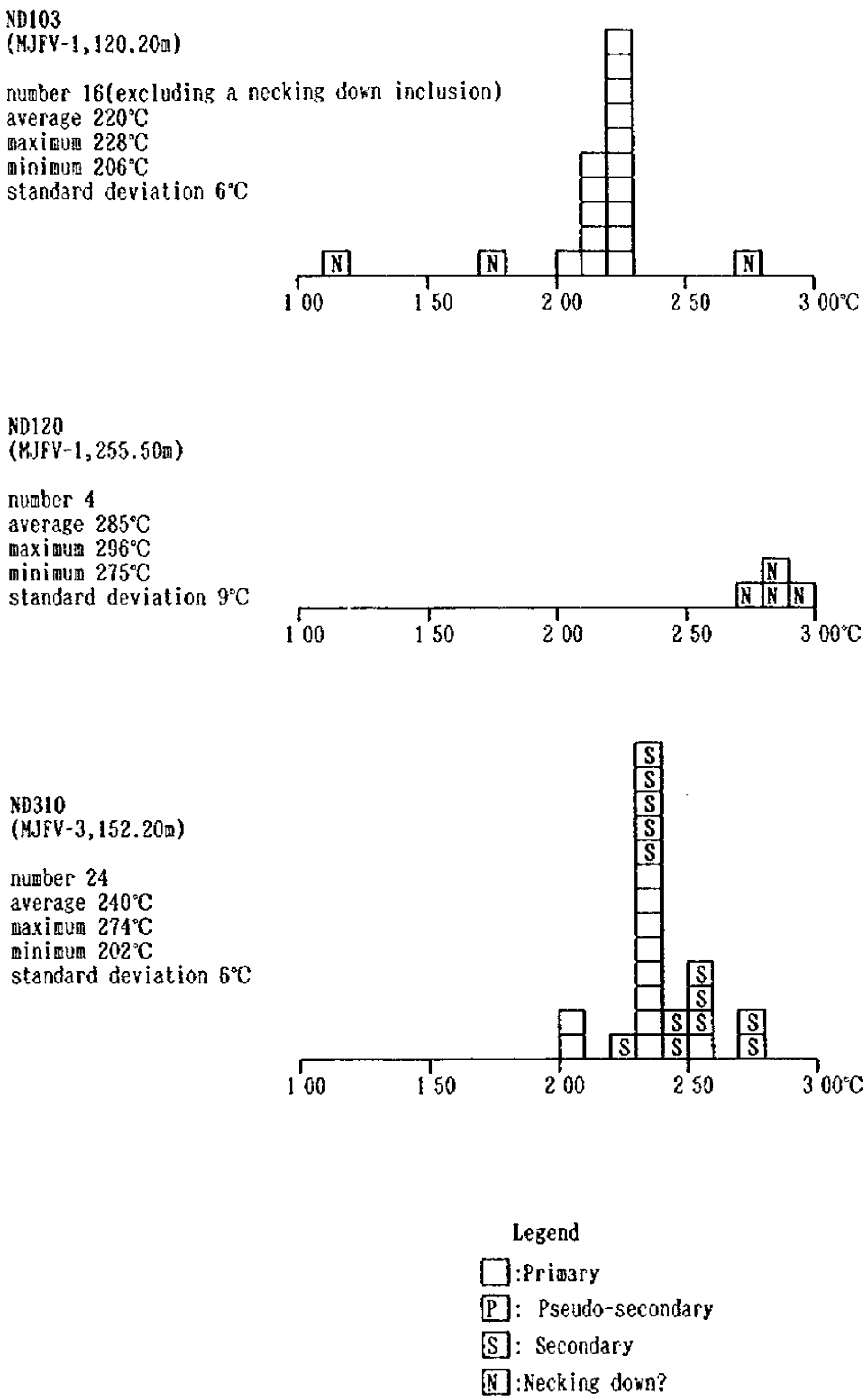


Fig. 2-2-39 Histograms of Homogenization Temperature from the Nakoroutari Area

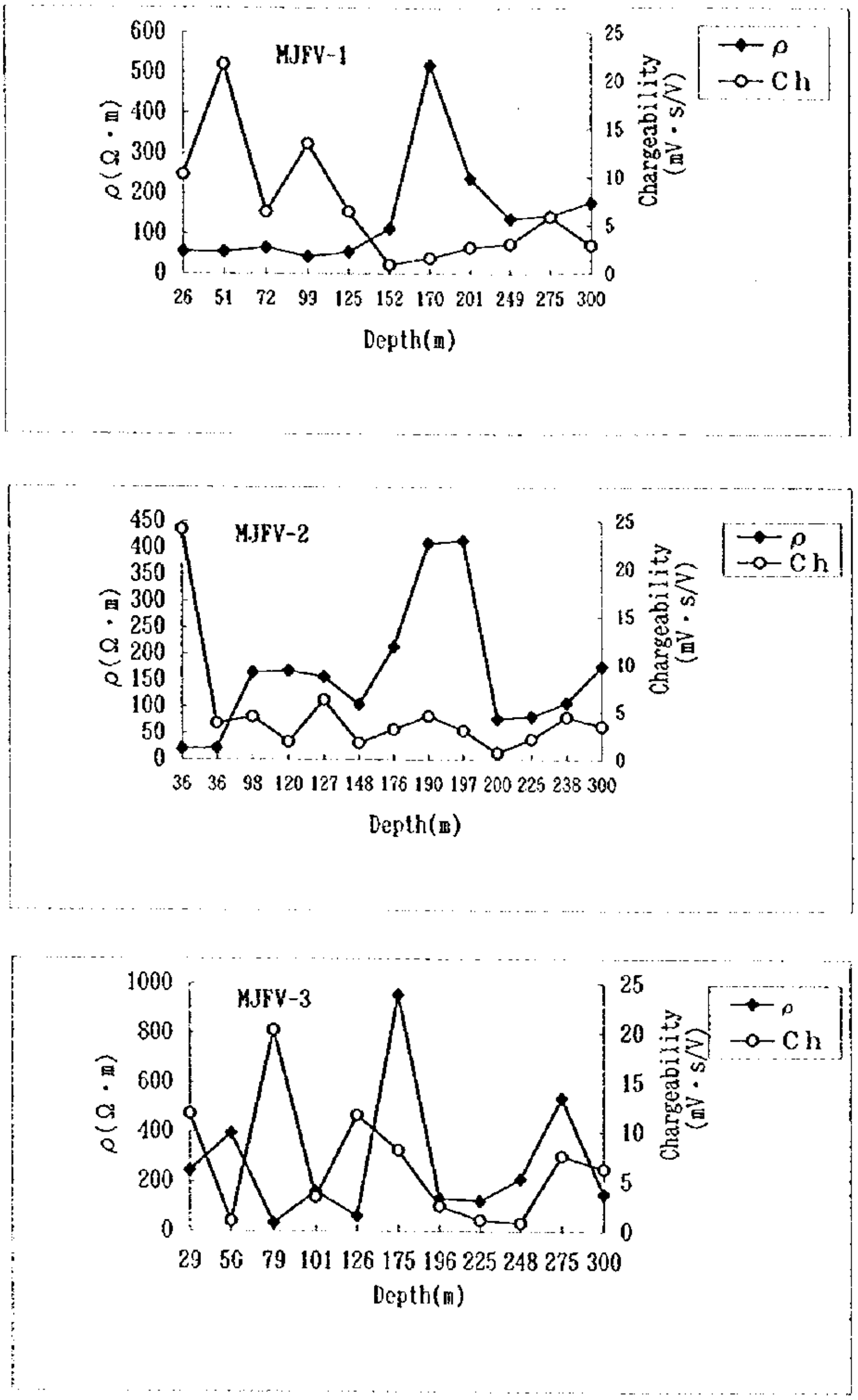


Fig. 2-2-40 Resistivity and Chargeability of Drill Core Samples

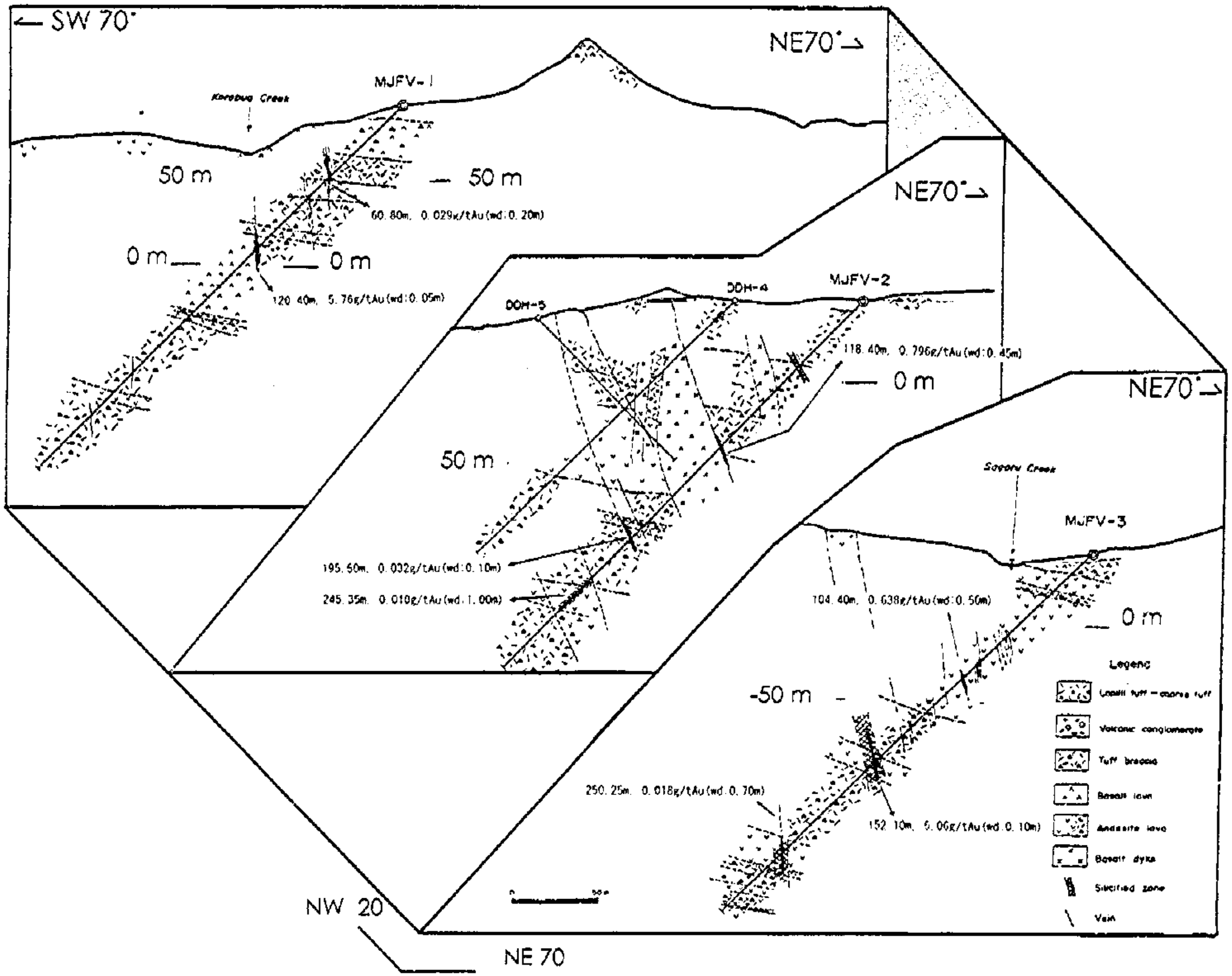


Fig. 2-2-41 Schematic Block Diagram of Drill Holes in the Leli's Prospect

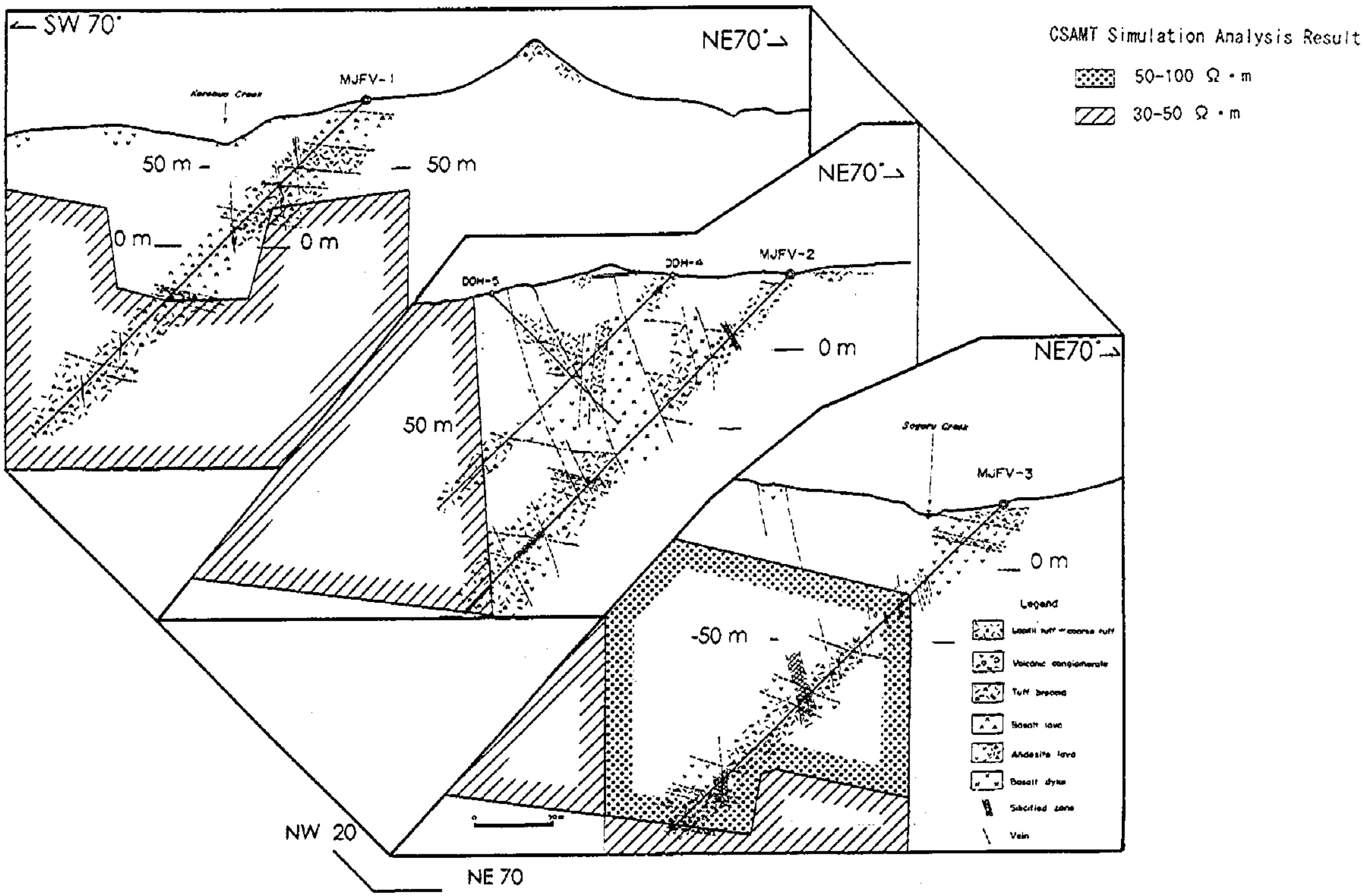


Fig. 2-2-42 Schematic Block Diagram Showing the CSAMT Simulation Results

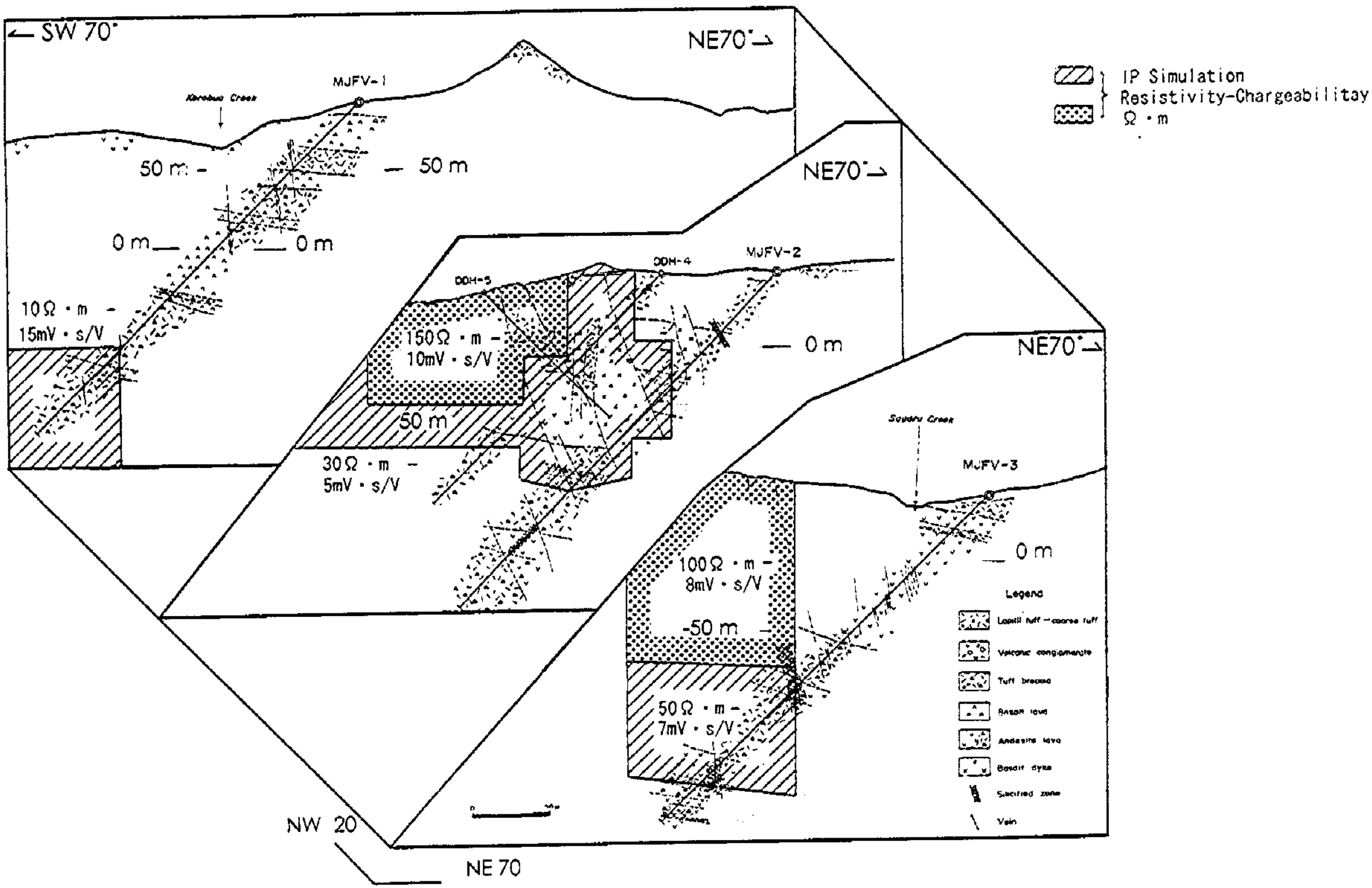


Fig. 2-2-43 Schematic Block Diagram Showing the TDIP Simulation Results

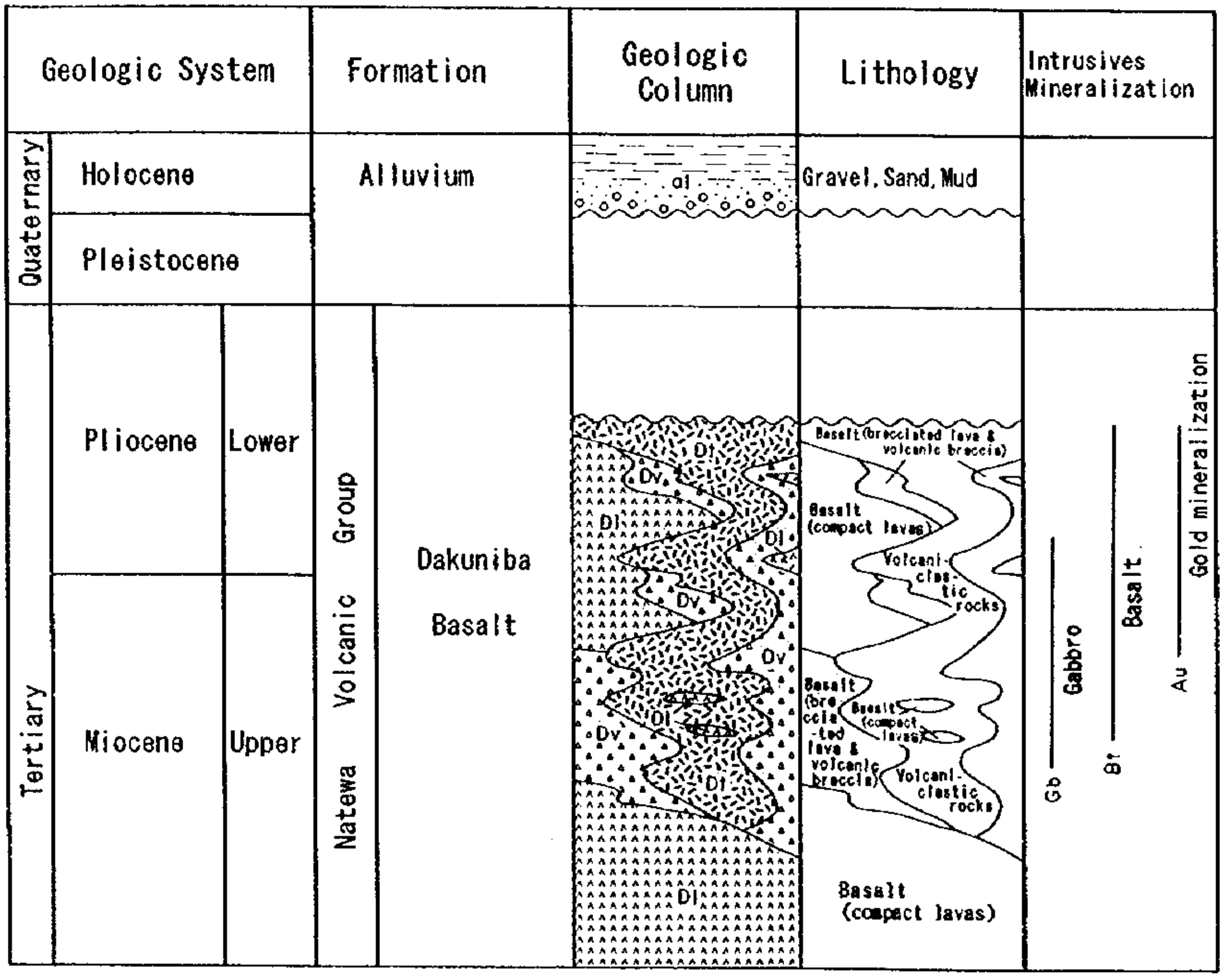


Fig. 2-3-1 Schematic Stratigraphic Columns of the Dakuniba Area

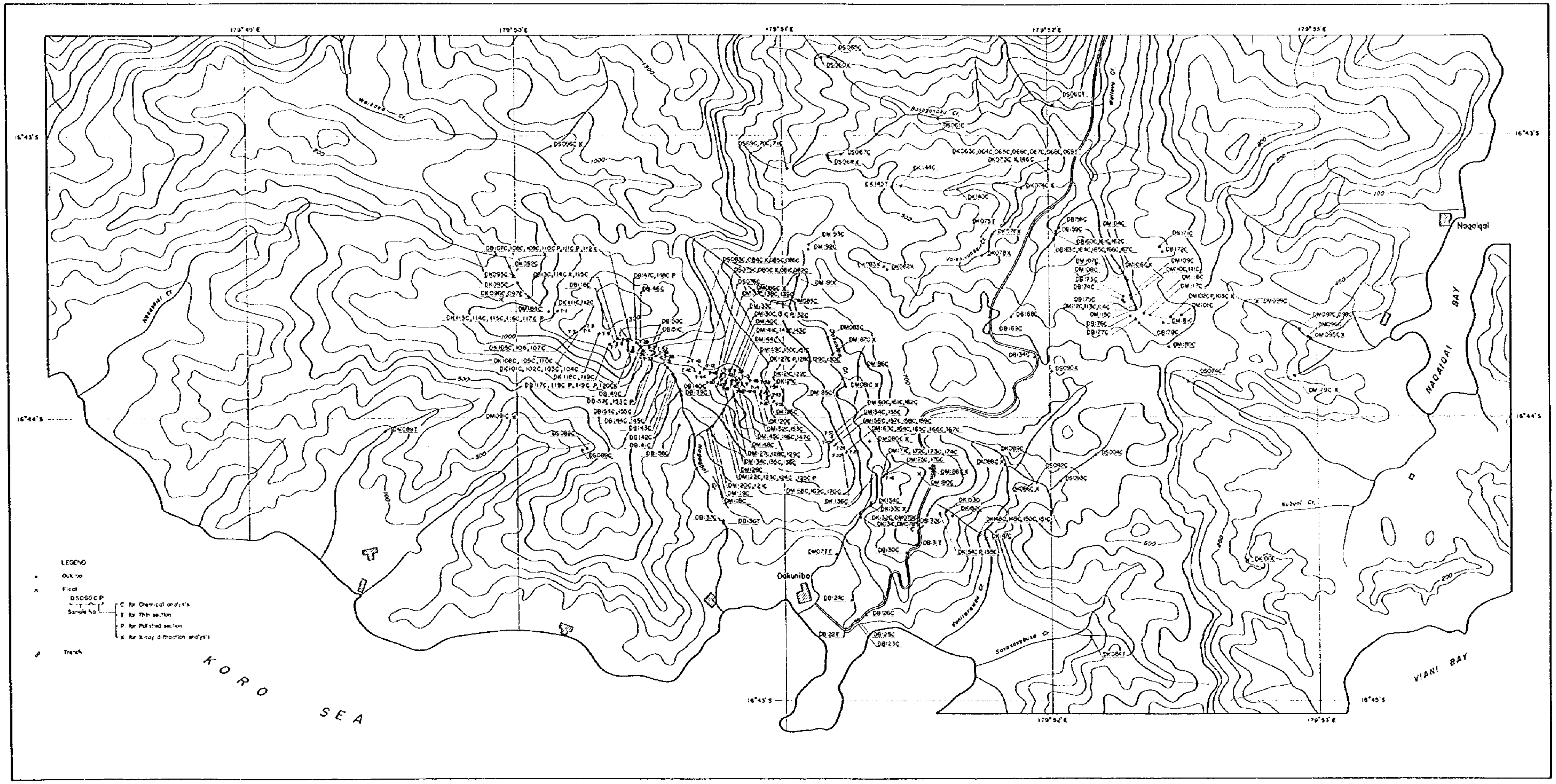


Fig. 2-3-2 Sample Location Map of the Dakuniba Area

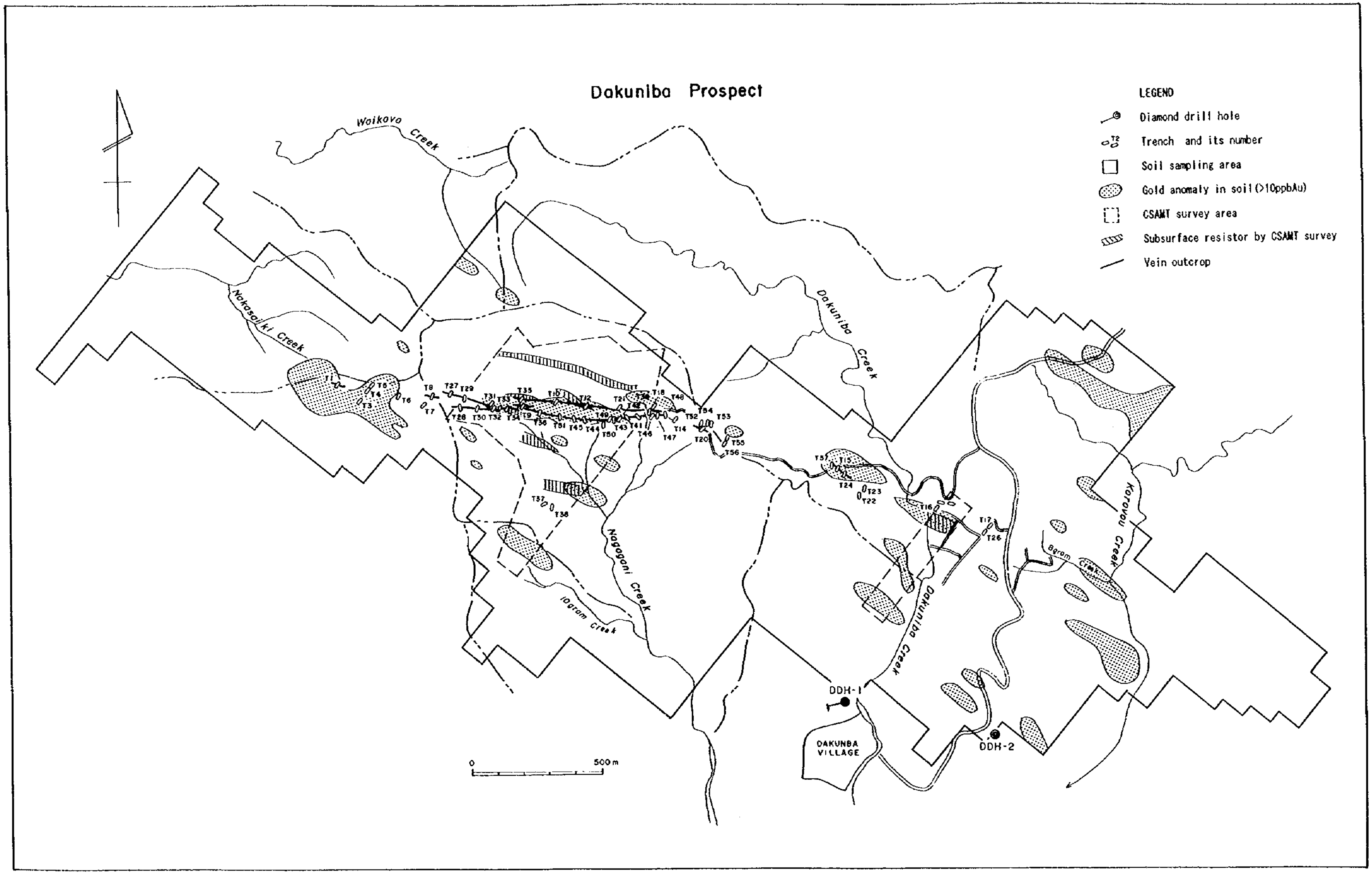


Fig. 2-3-3 Summary Map of Existing Data of the Dakuniba Area

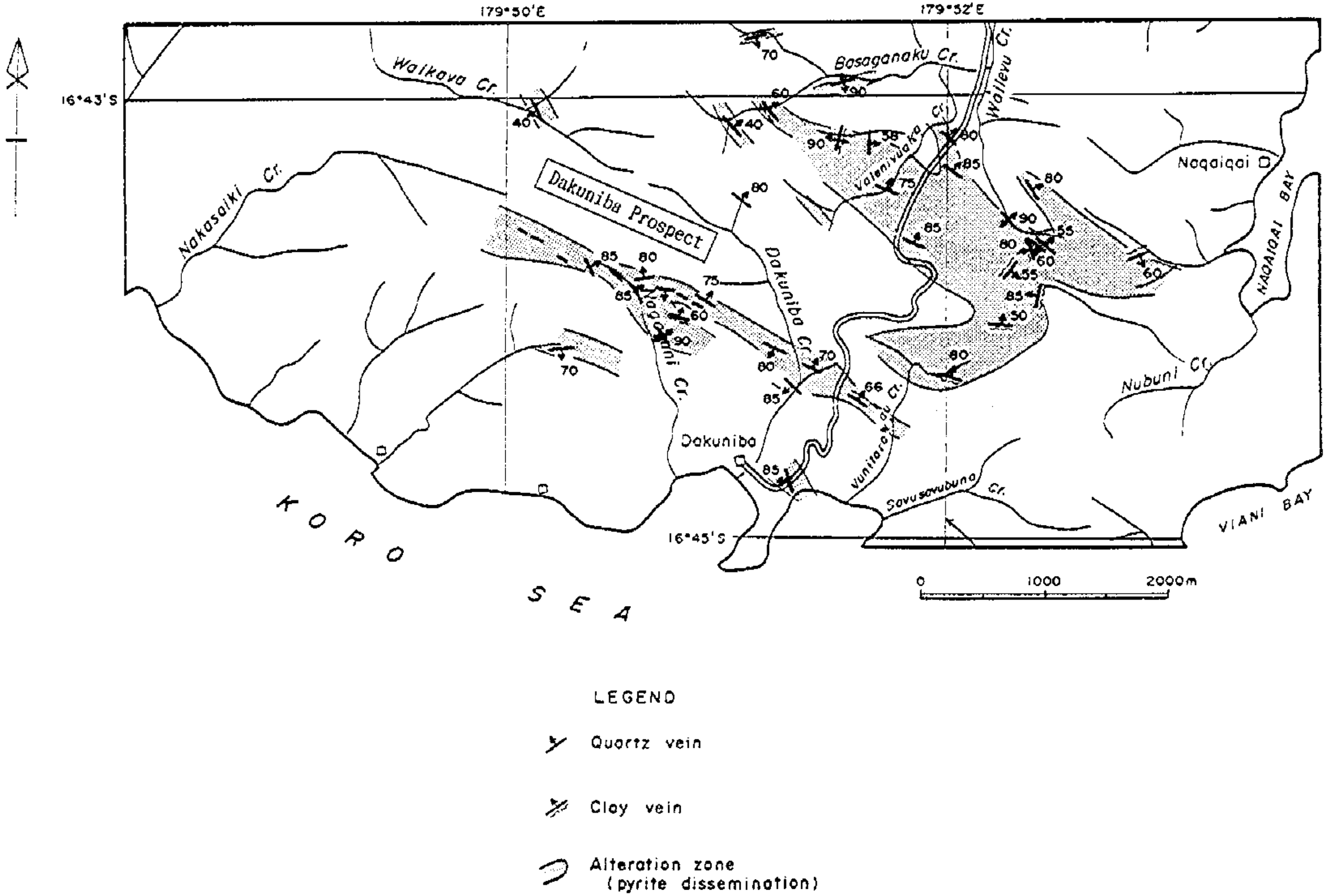
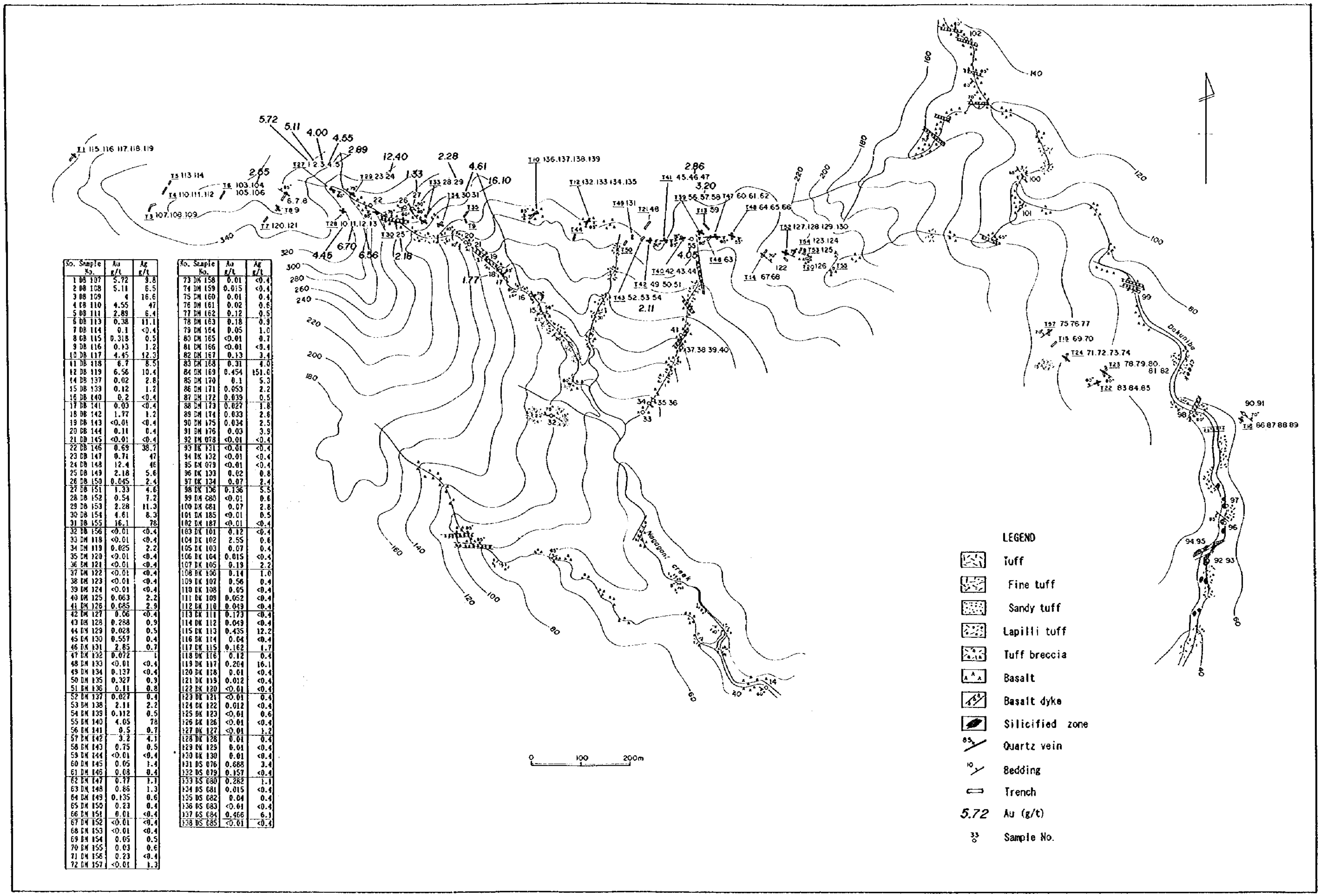


Fig. 2-3-4 Distribution Map of Prospects and Alteration Zones in the Dakuniba Area



No.	Sample No.	Au g/t	Ag g/t
1	DB 107	5.72	9.8
2	DB 108	5.11	6.5
3	DB 109	4	16.6
4	DB 110	4.55	47
5	DB 111	2.89	6.4
6	DB 113	0.38	11.1
7	DB 114	0.1	<0.4
8	DB 115	0.318	0.5
9	DB 116	0.13	1.2
10	DB 117	4.45	12.3
11	DB 118	6.7	8.5
12	DB 119	6.56	10.4
14	DB 137	0.02	2.8
15	DB 139	0.12	1.2
16	DB 140	0.2	<0.4
17	DB 141	0.03	<0.4
18	DB 142	1.77	1.2
19	DB 143	<0.01	<0.4
20	DB 144	0.11	0.4
21	DB 145	<0.01	<0.4
22	DB 146	0.69	38.7
23	DB 147	0.71	47
24	DB 148	12.4	46
25	DB 149	2.18	5.6
26	DB 150	0.045	2.4
27	DB 151	1.33	4.6
28	DB 152	0.54	7.2
29	DB 153	2.28	11.3
30	DB 154	4.61	8.3
31	DB 155	16.1	78
32	DB 156	<0.01	<0.4
33	DM 118	<0.01	<0.4
34	DM 119	0.025	2.2
35	DM 120	<0.01	<0.4
36	DM 121	<0.01	<0.4
37	DM 122	<0.01	<0.4
38	DM 123	<0.01	<0.4
39	DM 124	<0.01	<0.4
40	DM 125	0.063	2.2
41	DM 126	0.085	2.9
42	DM 127	0.06	<0.4
43	DM 128	0.288	0.9
44	DM 129	0.028	0.5
45	DM 130	0.557	0.4
46	DM 131	2.85	0.7
47	DM 132	0.072	1
48	DM 133	<0.01	<0.4
49	DM 134	0.137	<0.4
50	DM 135	0.327	0.9
51	DM 136	0.11	0.8
52	DM 137	0.027	0.4
53	DM 138	2.11	2.2
54	DM 139	0.112	0.5
55	DM 140	4.05	78
56	DM 141	0.5	0.7
57	DM 142	3.2	4.1
58	DM 143	0.75	0.5
59	DM 144	<0.01	<0.4
60	DM 145	0.05	1.4
61	DM 146	0.08	0.4
62	DM 147	0.77	1.1
63	DM 148	0.86	1.3
64	DM 149	0.135	0.6
65	DM 150	0.23	0.4
66	DM 151	0.01	<0.4
67	DM 152	<0.01	<0.4
68	DM 153	<0.01	<0.4
69	DM 154	0.05	0.5
70	DM 155	0.03	0.6
71	DM 156	0.23	<0.4
72	DM 157	<0.01	1.3

No.	Sample No.	Au g/t	Ag g/t
73	DK 158	0.01	<0.4
74	DM 159	0.015	<0.4
75	DM 160	0.01	0.4
76	DM 161	0.02	0.6
77	DM 162	0.12	0.5
78	DM 163	0.18	0.9
79	DM 164	0.05	1.0
80	DM 165	<0.01	0.7
81	DM 166	<0.01	<0.4
82	DM 167	0.13	3.4
83	DM 168	0.31	4.0
84	DM 169	0.454	151.0
85	DM 170	0.1	5.3
86	DM 171	0.053	2.2
87	DM 172	0.039	0.5
88	DM 173	0.027	1.8
89	DM 174	0.033	2.6
90	DM 175	0.034	2.5
91	DM 176	0.03	3.9
92	DM 078	<0.01	<0.4
93	DK 131	<0.01	<0.4
94	DK 132	<0.01	<0.4
95	DM 079	<0.01	<0.4
96	DK 133	0.02	0.8
97	DK 134	0.07	2.4
98	DK 136	0.136	5.5
99	DM 080	<0.01	0.6
100	DM 081	0.07	2.8
101	DM 185	<0.01	0.5
102	DM 187	<0.01	<0.4
103	DK 101	0.12	<0.4
104	DK 102	2.55	0.6
105	DK 103	0.07	0.4
106	DK 104	0.015	<0.4
107	DK 105	0.19	2.2
108	DK 106	0.14	1.0
109	DK 107	0.56	0.4
110	DK 108	0.05	<0.4
111	DK 109	0.052	<0.4
112	DK 110	0.049	<0.4
113	DK 111	0.173	<0.4
114	DK 112	0.049	<0.4
115	DK 113	0.435	12.2
116	DK 114	0.04	<0.4
117	DK 115	0.162	1.7
118	DK 116	0.12	0.4
119	DK 117	0.204	16.1
120	DK 118	0.01	<0.4
121	DK 119	0.012	<0.4
122	DK 120	<0.01	<0.4
123	DK 121	<0.01	0.4
124	DK 122	0.012	<0.4
125	DK 123	<0.01	0.6
126	DK 126	<0.01	<0.4
127	DK 127	<0.01	1.2
128	DK 128	0.01	0.4
129	DK 129	0.01	<0.4
130	DK 130	0.01	<0.4
131	DS 076	0.688	3.4
132	DS 079	0.157	<0.4
133	DS 080	0.282	1.1
134	DS 081	0.015	<0.4
135	DS 082	0.04	0.4
136	DS 083	<0.01	<0.4
137	DS 084	0.466	6.1
138	DS 085	<0.01	<0.4

Fig. 2-3-5 Detailed Survey Results of the Dakuniba Prospect

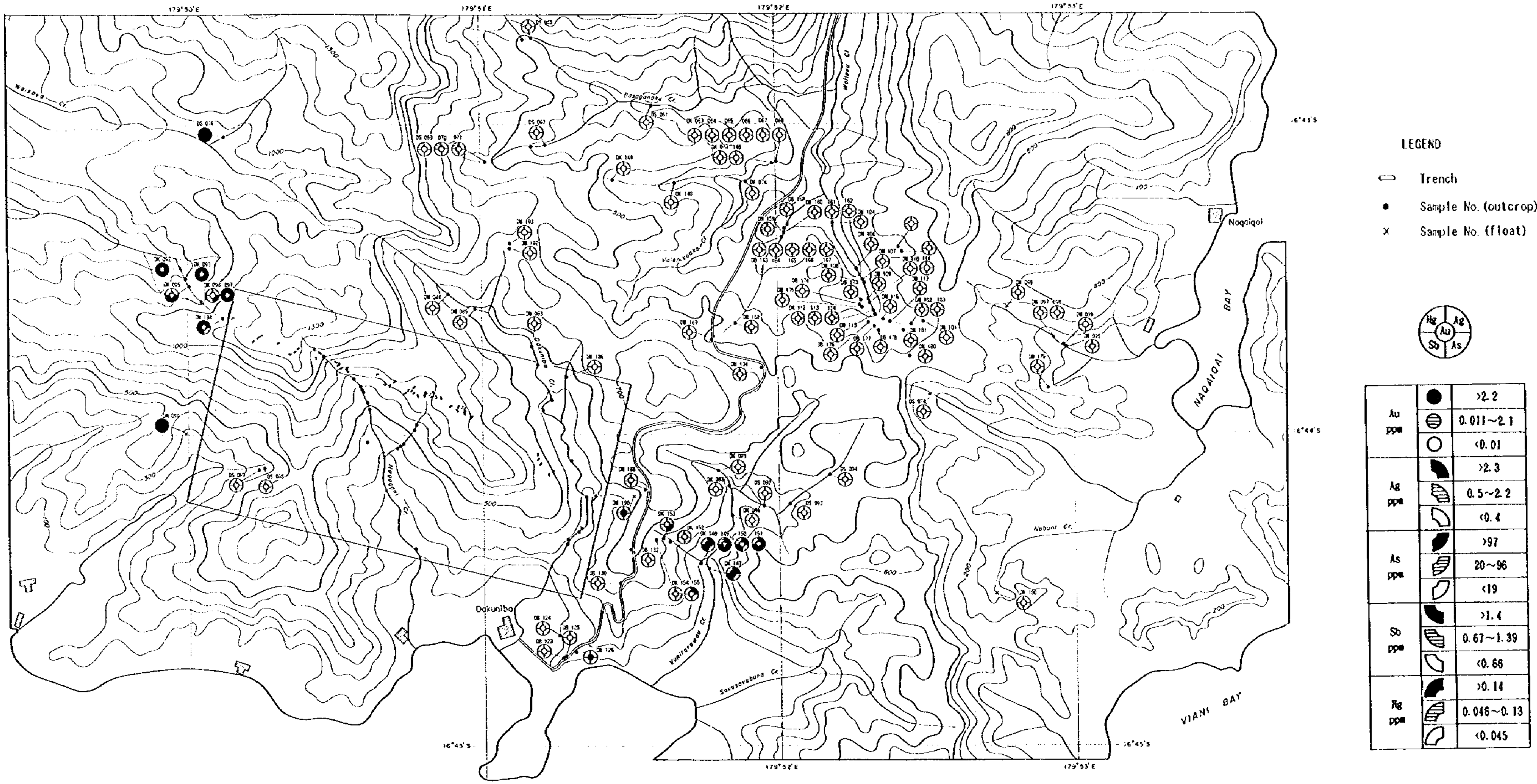


Fig. 2-3-6 Geochemical Survey Results of the Dakuniba Area

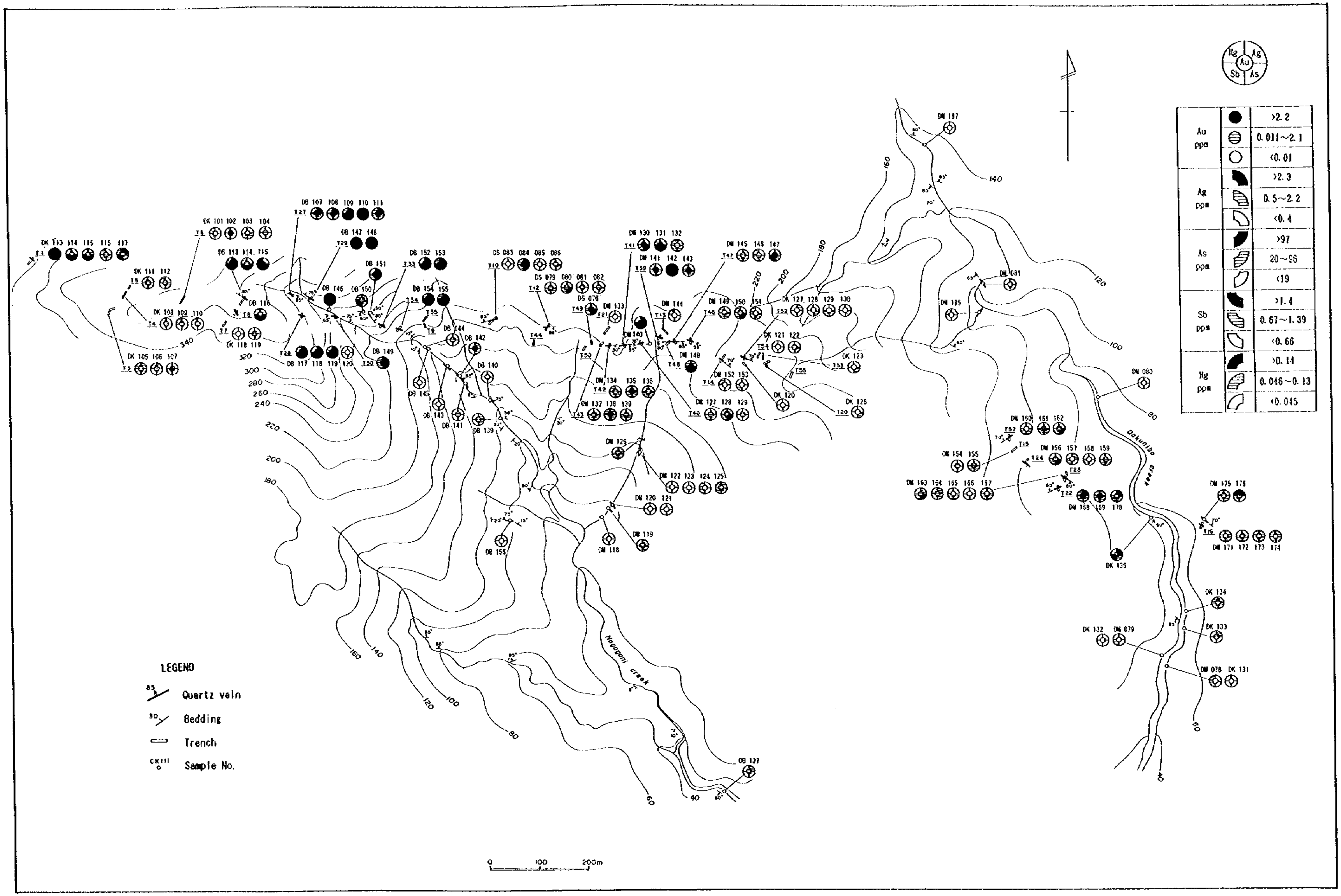
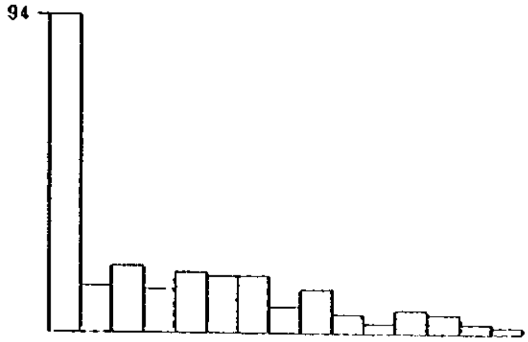


Fig. 2-3-7 Geochemical Survey Results of the Dakuniba Trenches Area

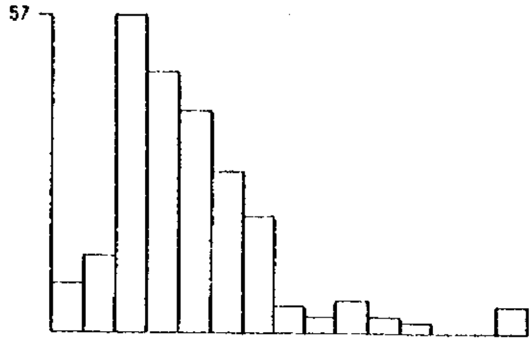
Au

MEAN(M)= .035944
STANDARD DEVIATION(σ)= .929507
MINIMUM= .005 M+σ= .305586
MAXIMUM= 16.1 M+2σ= 2.59801



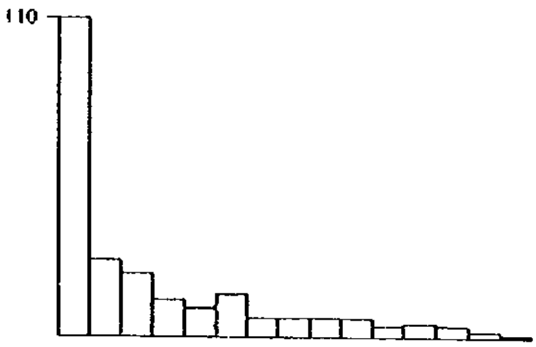
Hg

MEAN(M)= .0370741
STANDARD DEVIATION(σ)= .47269
MINIMUM= .006 M+σ= .110093
MAXIMUM= 3.16 M+2σ= .326928



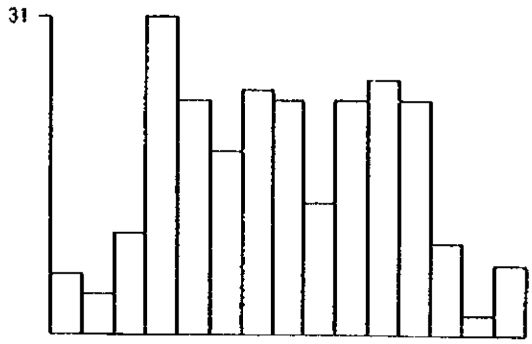
Ag

MEAN(M)= .699243
STANDARD DEVIATION(σ)= .703515
MINIMUM= .2 M+σ= 3.53299
MAXIMUM= 151 M+2σ= 17.8508



As

MEAN(M)= 25.8108
STANDARD DEVIATION(σ)= .806642
MINIMUM= .5 M+σ= 165.365
MAXIMUM= 1590 M+2σ= 1059.46



Sb

MEAN(M)= .752603
STANDARD DEVIATION(σ)= .497802
MINIMUM= .25 M+σ= 2.36793
MAXIMUM= 28.3 M+2σ= 7.45024

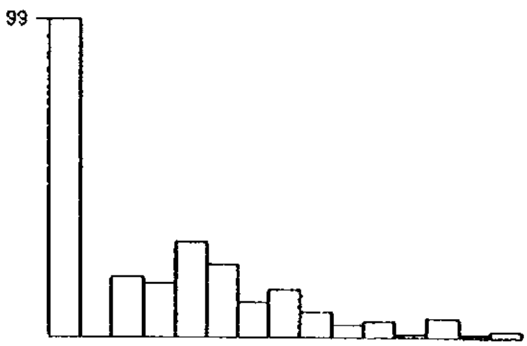


Fig. 2-3-8 Histogram of Assay Values(the Dakuniba Area)

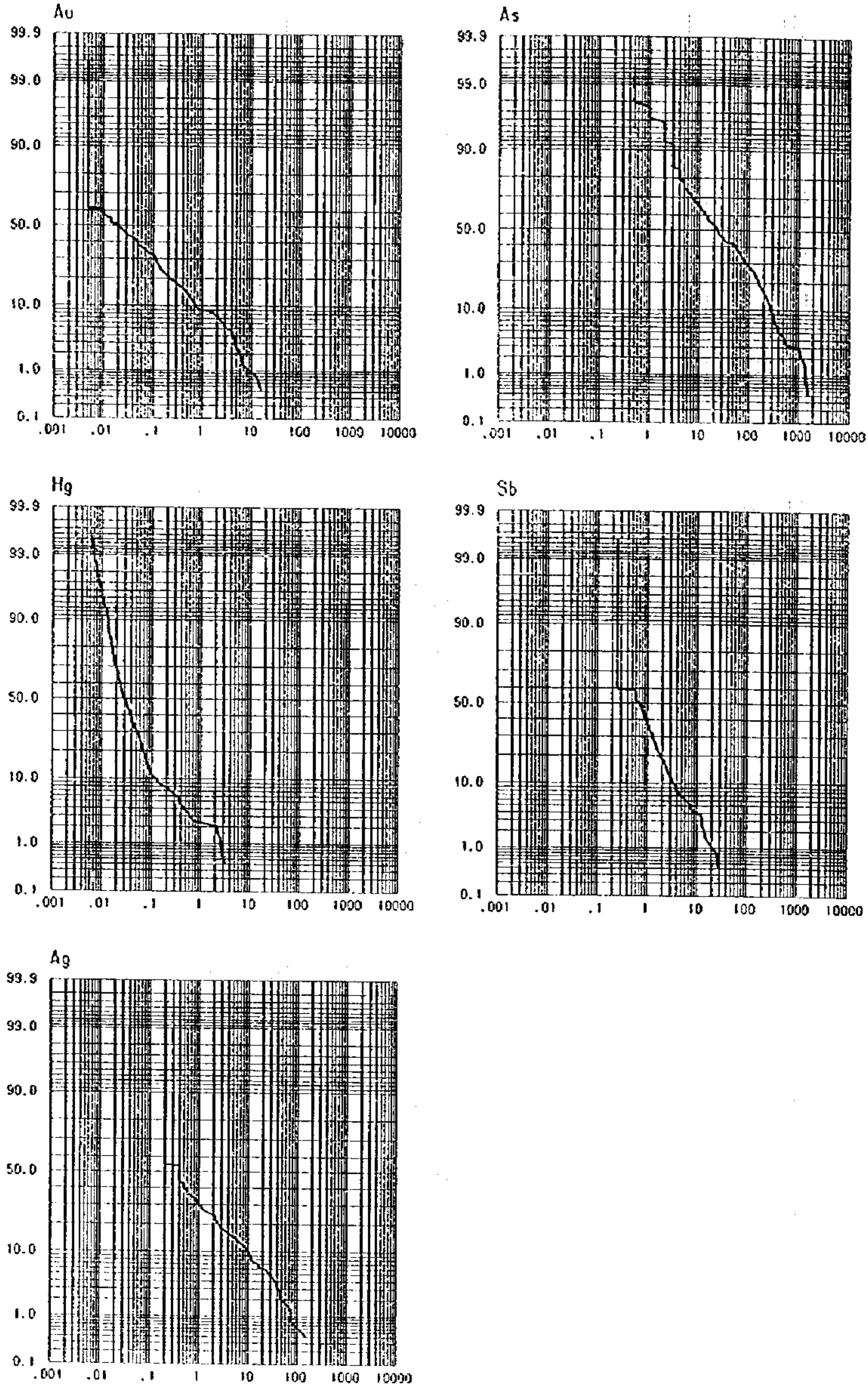


Fig. 2-3-9 Cumulative Frequency Distribution of Assay Values (the Dakuniba Area)

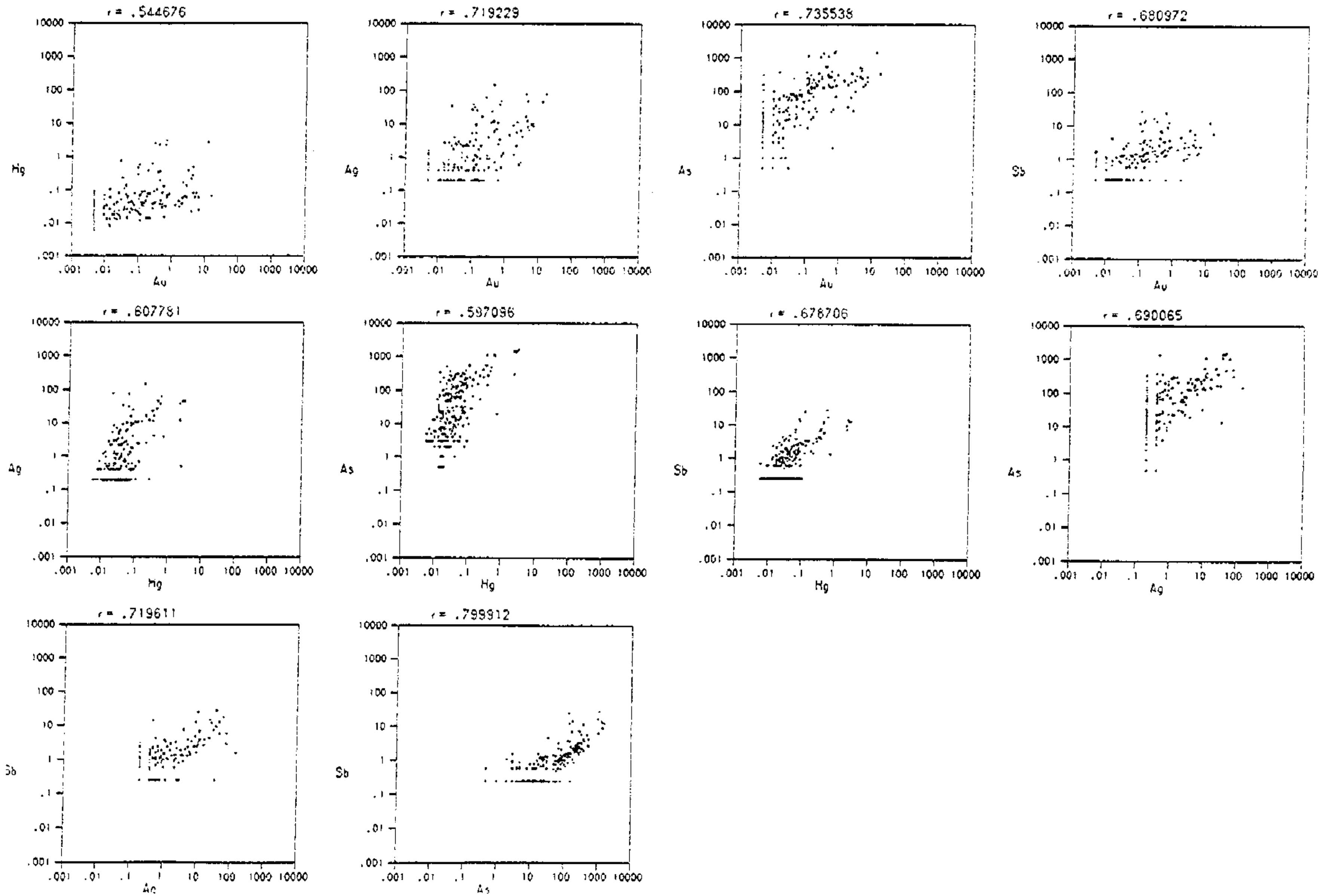


Fig. 2-3-10 Correlation between Elements (the Dakuniba Area)

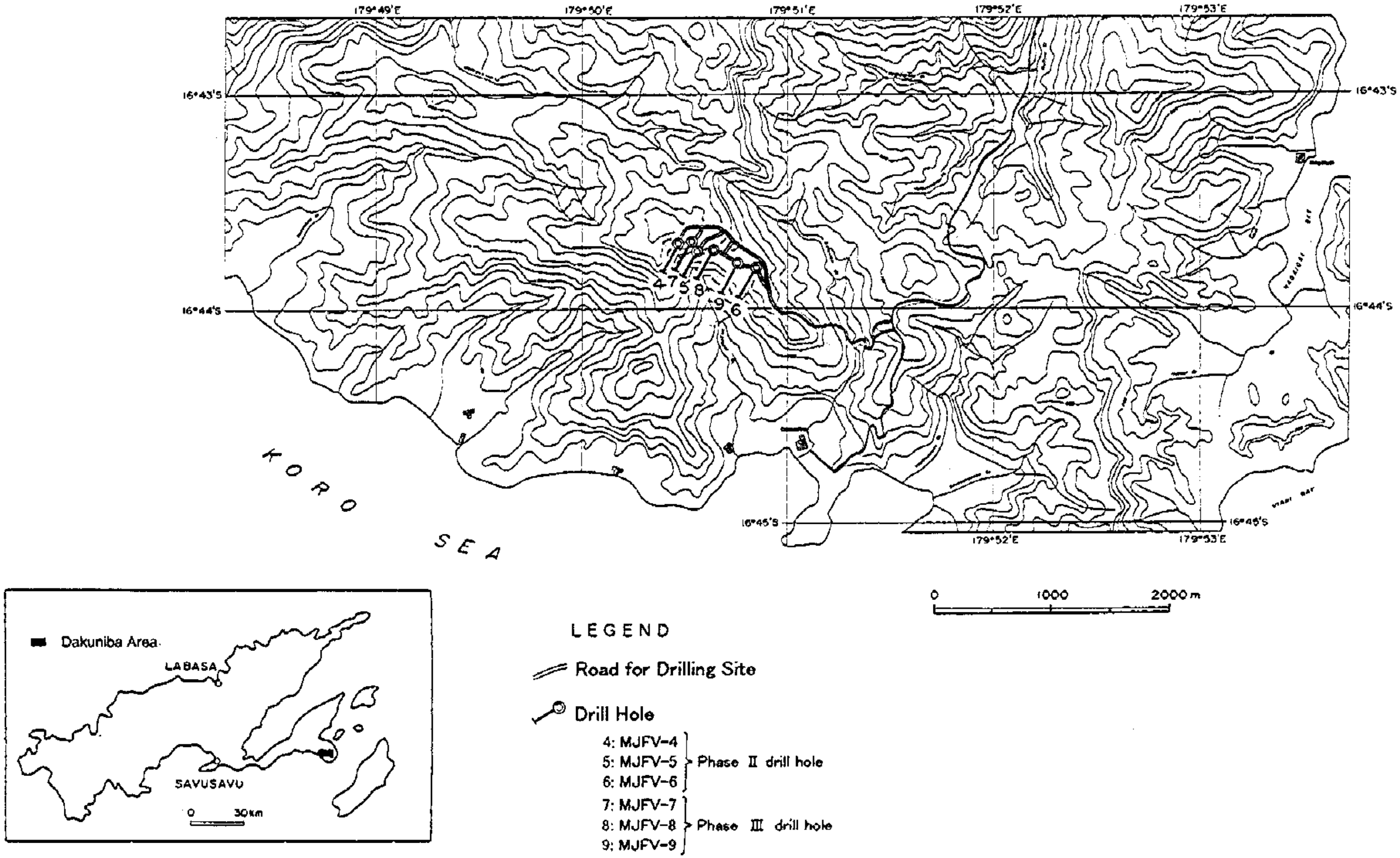
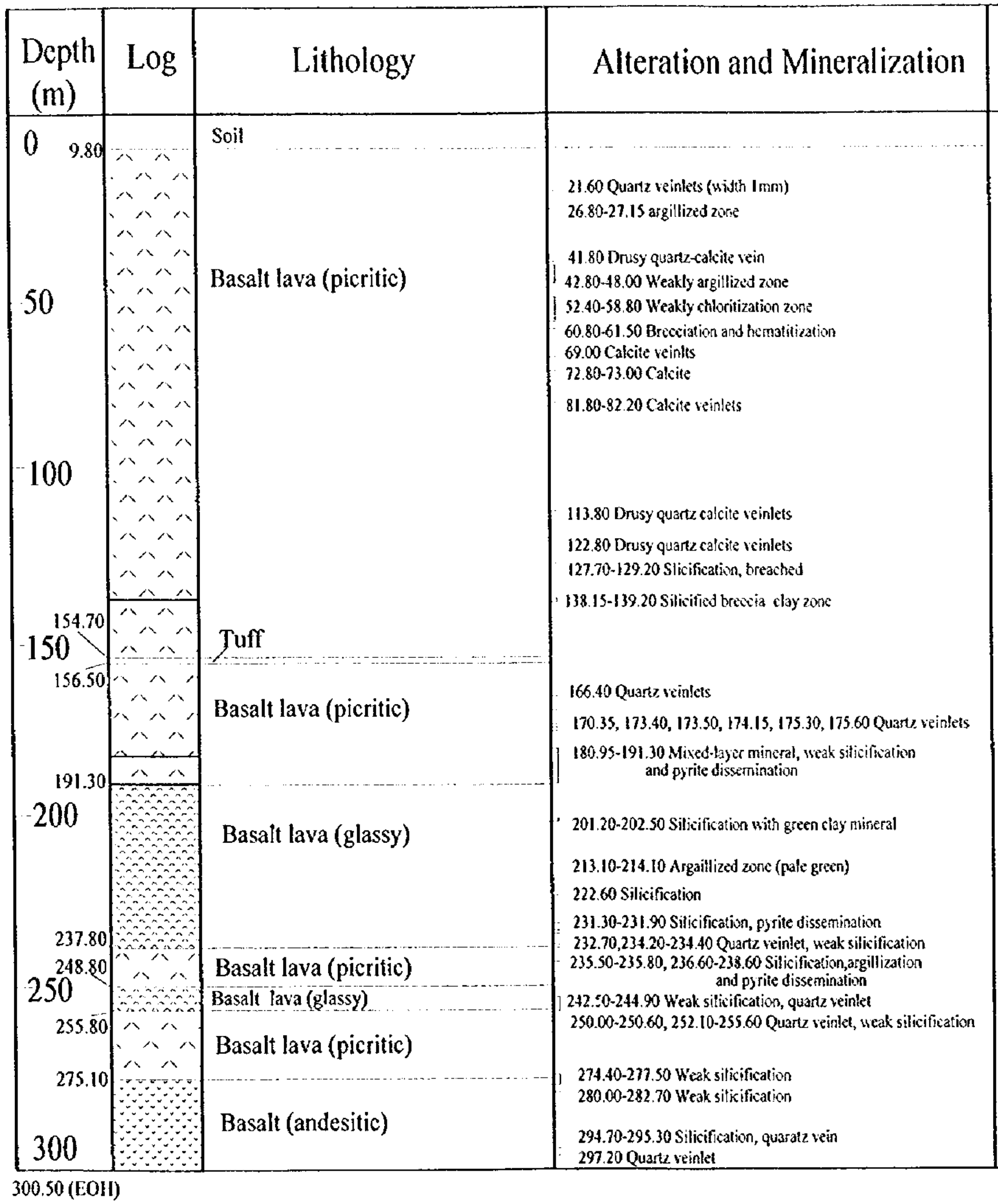


Fig. 2-3-11 Location Map of Drill Holes in the Dakuniba Area

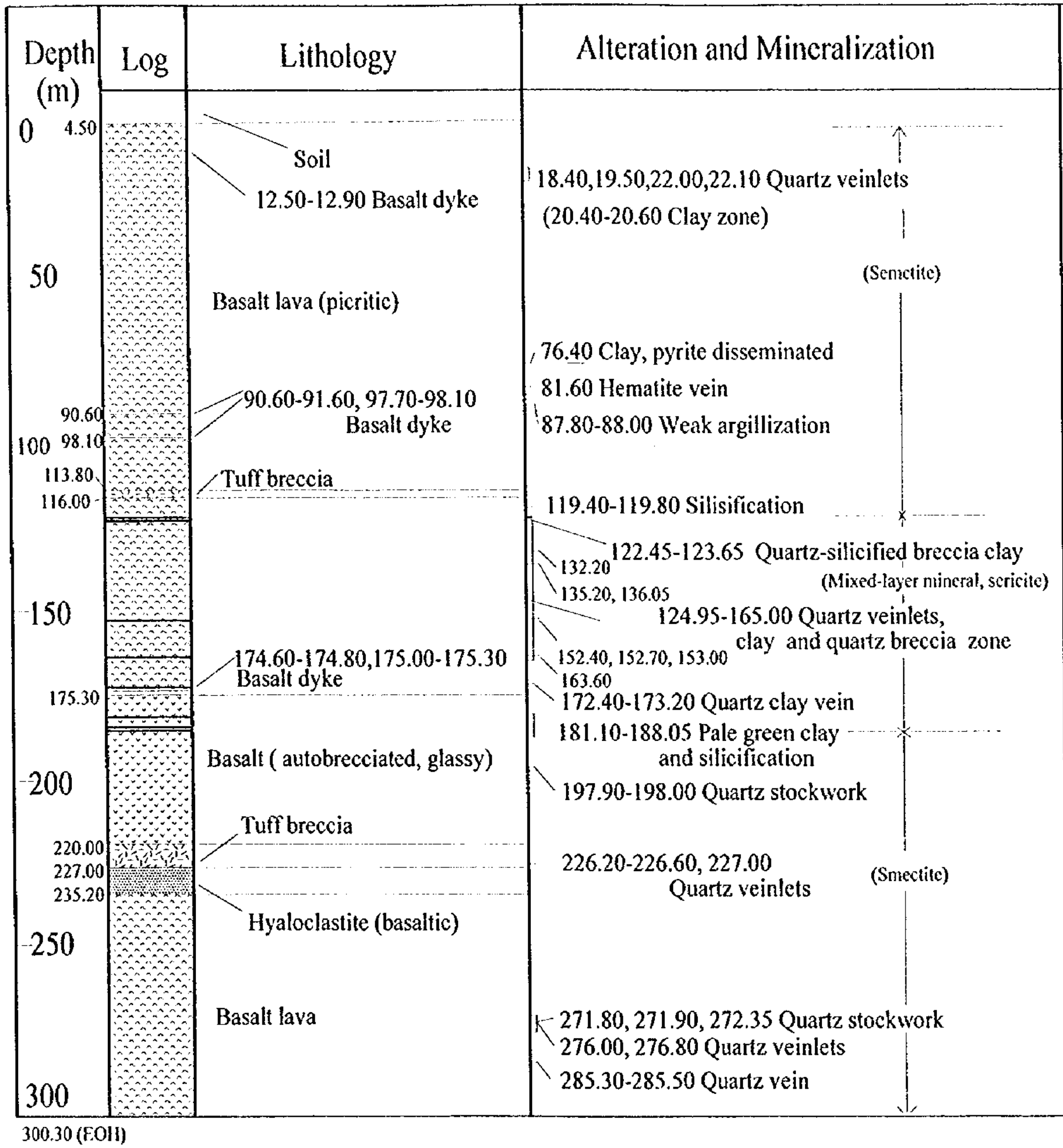


Chemical Analysis Results

Description	Depth (m)	Interval (m)	Au (g/t)	Ag (g/t)	As (ppm)	Sb (ppm)	Hg (ppm)
Clay+silicified fragments	138.15	0.10	<0.008	0.4	20	<0.5	<0.005
Clay(brown)	138.25	0.10	0.231	2.6	60	<0.5	0.005
Basalt	138.35	0.15	0.011	0.5	<20	<0.5	0.007
Clay+Basalt fragment	138.50	0.15	0.613	3	215	<0.5	0.016
Clay+Basalt fragment	138.65	0.35	0.155	3.4	70	<0.5	0.006
Silcified basalt +Qtz Veinlets	180.95	0.50	0.056	4.2	145	<0.5	0.021
Silicified basalt +Qtz veinlets	181.45	0.35	0.033	1.4	30	<0.5	0.010
Silicified basalt +Qtz veinlets	181.80	0.40	0.052	2.5	200	<0.5	0.013
Silicified basalt +Qtz veinlets	182.20	0.40	0.191	3.8	200	<0.5	0.012
Qtz vein	183.60	0.60	0.041	1.1	50	<0.5	0.006
Silicified fragments	190.40	0.20	0.393	2.3	100	<0.5	0.012
Clay	190.60	0.30	0.236	1.4	90	<0.5	0.013
Clay	190.90	0.30	0.790	5.8	220	<0.5	0.016
Silifified fragment	191.20	0.10	0.195	2.9	225	<0.5	0.005
Qtz vein	295.00	0.12	0.009	0.5	20	<0.5	<0.005

Qtz:Quartz

Fig. 2-3-12 Geologic Log of MJFV-4

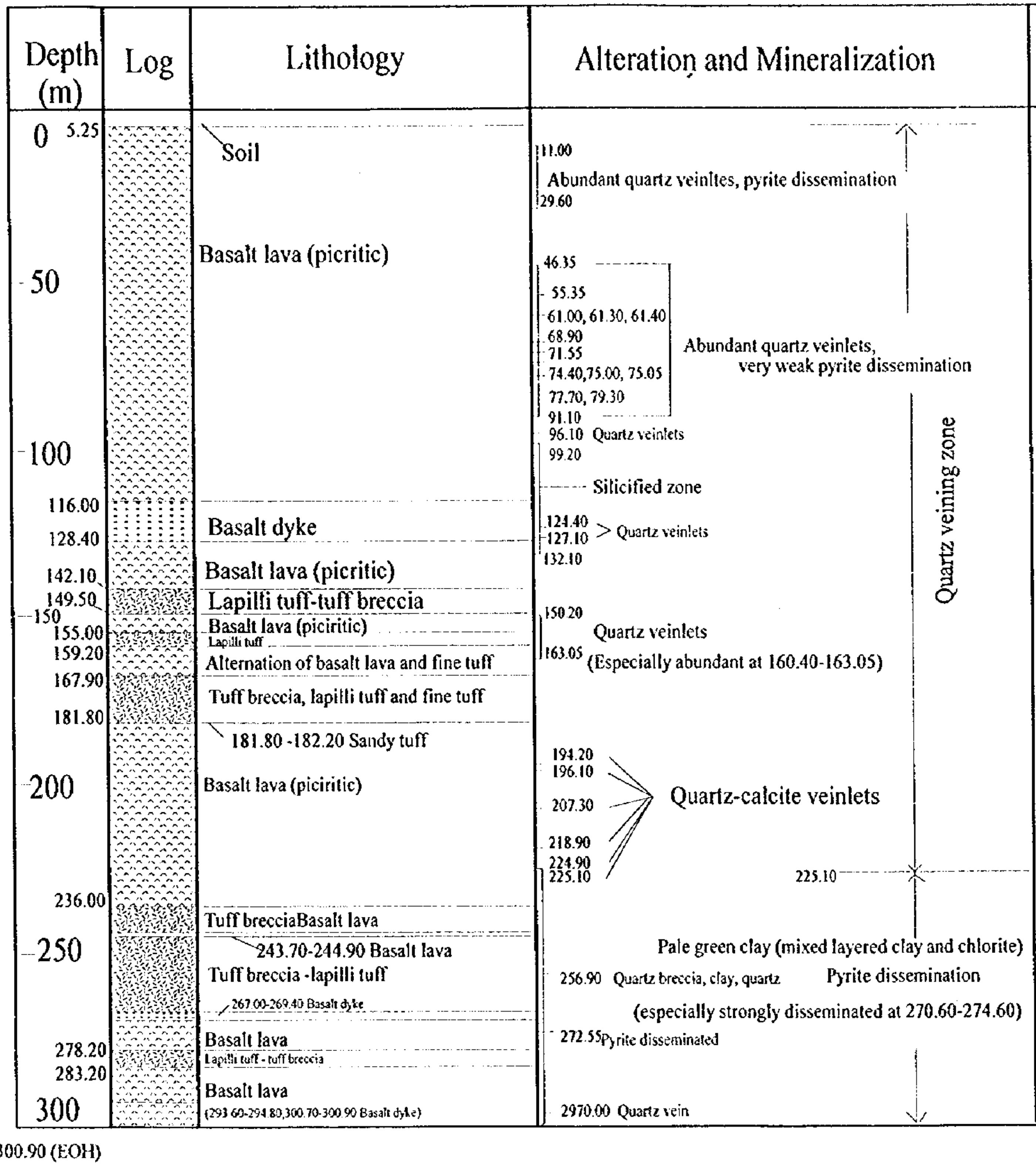


Chemical Analysis Results

Description	Depth (m)	Interval (m)	Au (g/t)	Ag (g/t)	As (ppm)	Sb (ppm)	Hg (ppm)
Clay,pale-green	121.45	0.35	0.291	5.4	350	<0.5	0.031
Clay,pale-green	121.80	0.45	2.71	165	350	<0.5	0.047
Clay+Qtz fragments	122.25	0.50	13.5	140	300	1.5	0.049
Qtz fragments+Clay	122.75	0.60	27.6	900	320	1.2	0.017
Qtz+Clay	123.35	0.30	0.545	8.3	300	1.4	0.045
Qtz-Pyrite vein (true width: 2cm)	132.20	0.20	1.27	7.6	240	<0.5	0.097
Qtz-Pyite veinlets	135.20	0.20	0.362	5.1	300	<0.5	0.012
Qtz-Py vein (true width: 5cm)	136.05	0.20	7.71	9.9	200	<0.5	0.050
Clay>Silicifeid fragments	152.40	0.30	0.244	14.7	220	0.6	0.015
Silicified fragments	152.70	0.30	3.55	16.5	220	0.8	0.023
Clay+Silicified fragment	153.00	0.40	1.27	4.6	90	<0.5	0.034
Qtz (true width 2cm)	163.60	0.40	11.7	4.3	210	<0.5	0.005
Qtz +silicified zone	164.10	0.30	1.51	1.5	30	<0.5	0.005
Qtz+Clay	172.40	0.30	0.706	1.3	50	<0.5	0.005
Clay+silicified zone	172.70	0.30	0.192	1.2	40	<0.5	0.005
	182.00	0.30	0.498	1.5	50	<0.5	<0.005
Qtz-Clay-Pyrite	185.00	0.20	5.02	4	110	<0.5	0.003
Qtz-Clay-Pyrite	186.10	0.20	1.05	1.7	140	<0.5	0.056

Qtz:Quartz

Fig. 2-3-13 Geologic Log of MJFV-5

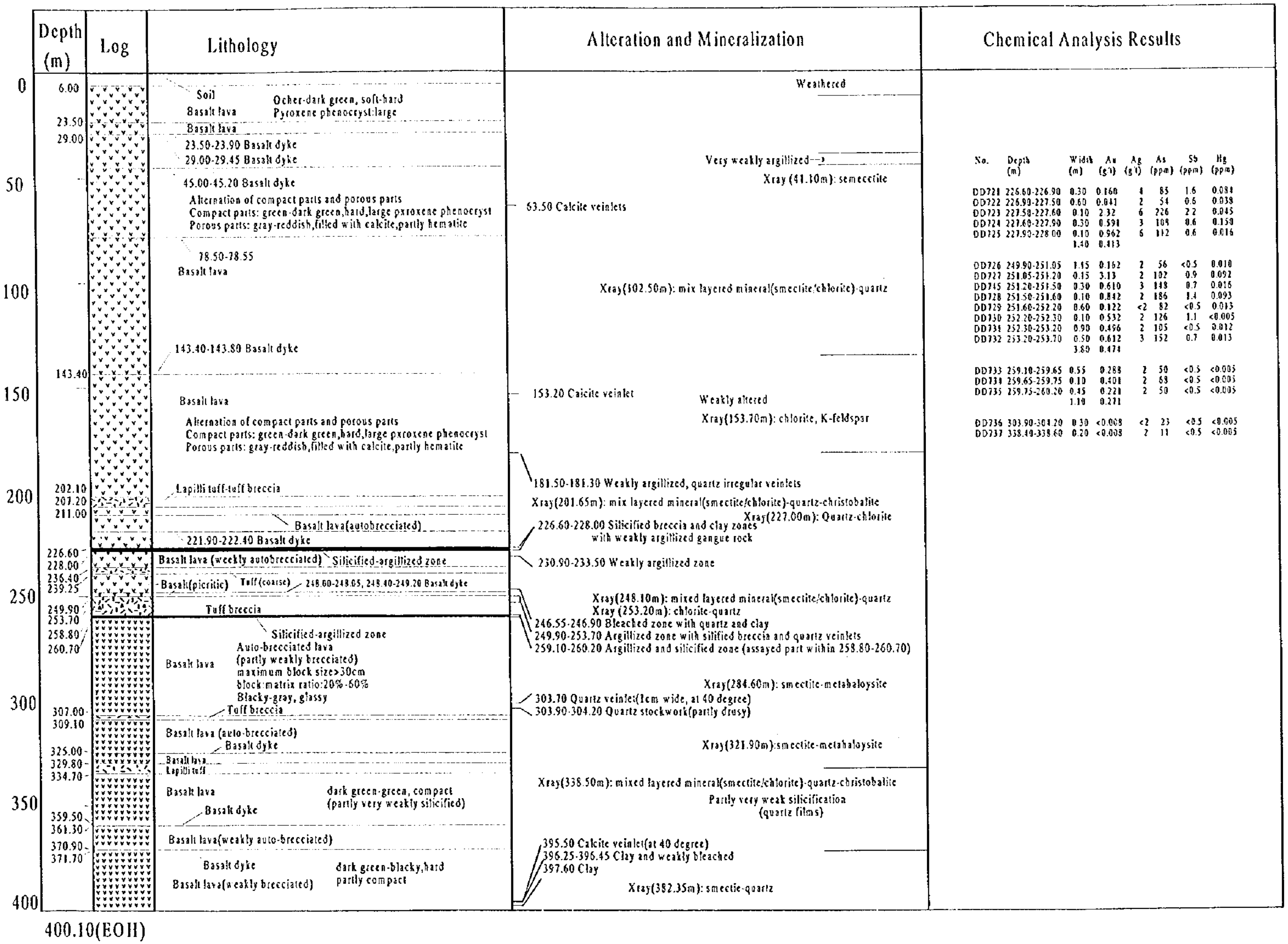


Chemical Analysis Results

Description	Depth (m)	Interval (m)	Au (g/t)	Ag (g/t)	As (ppm)	Sb (ppm)	Hg (ppm)
Qtz Breccia	55.35	0.20	<0.008	<0.4	2.0	<0.5	0.011
Vein swarms	61.00	0.30	<0.008	<0.4	1.5	<0.5	0.012
Qtz vein	61.30	0.10	<0.008	<0.4	1.0	<0.5	0.022
Qtz veinlets	61.40	0.30	<0.008	<0.4	1.0	<0.5	0.009
Qtz veinlets	68.90	1.00	<0.008	<0.4	1.5	<0.5	0.009
Qtz veinlets	71.55	1.00	<0.008	<0.4	6.5	<0.5	0.027
Qtz veins	74.40	0.15	<0.008	<0.4	3.0	<0.5	0.010
Qtz vein	75.00	0.05	0.048	<0.4	50.0	<0.5	0.013
Qtz vein	75.05	0.85	0.036	<0.4	28.0	<0.5	0.020
Qtz veinlets	77.70	0.85	<0.008	<0.4	12.5	1.3	0.016
Qtz breccia + Clay	79.30	0.40	0.010	0.6	32.5	<0.5	0.013
Qtz+Clay	96.10	0.20	<0.008	<0.4	48.5	0.5	0.047
Qtz veinlets	112.00	1.00	<0.008	<0.4	29.0	<0.5	0.009
Qtz veinlts	114.00	0.20	<0.008	<0.4	24.0	<0.5	0.030
Qtz + Clay	114.70	0.90	<0.008	<0.4	35.0	<0.5	0.020
Drusy qtz veinlets	120.10	0.20	0.208	<0.4	42.5	<0.5	0.007
Qtz fragment + Clay	122.10	0.20	0.198	<0.4		0.6	0.010
Qtz fragment + Clay	124.40	0.60	0.150	<0.4	41.5	<0.5	0.014
Qtz veinlets	127.10	1.40	0.016	<0.4	25.5	<0.5	0.008
Qtz breccia + Clay Qtz veinlets	256.90	2.30	<0.008	0.5	50.0	<0.5	0.008
Pyrite disseminated	272.55	0.55	0.039	0.8	36.5	<0.5	0.012
Qtz-Pyrite vein	297.00	0.25	0.069	0.4		<0.5	0.011

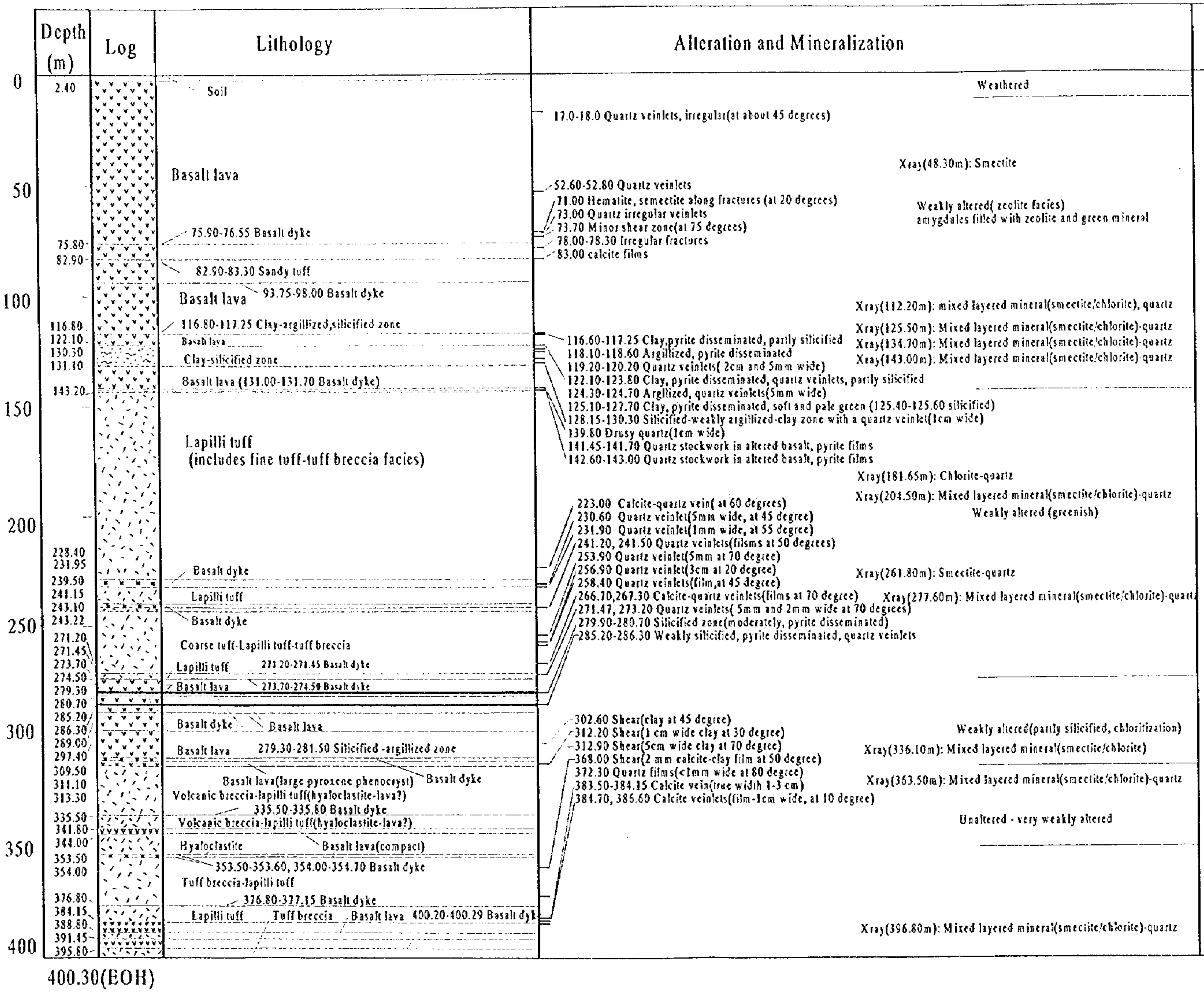
Qtz:Quartz

Fig. 2-3-14 Geologic Log of MJFV-6



No.	Depth (m)	Width (m)	Au (g/t)	Ag (g/t)	As (ppm)	Sb (ppm)	Hg (ppm)
DD721	226.60-226.90	0.30	0.160	4	85	1.6	0.084
DD722	226.90-227.50	0.60	0.041	2	54	0.6	0.038
DD723	227.50-227.60	0.10	2.32	6	226	2.2	0.045
DD724	227.60-227.90	0.30	0.591	3	109	0.6	0.150
DD725	227.90-228.00	0.10	0.962	6	112	0.6	0.016
		1.40	0.413				
DD726	249.90-251.05	1.15	0.162	2	56	<0.5	0.010
DD727	251.05-251.20	0.15	3.13	2	102	0.9	0.092
DD745	251.20-251.50	0.30	0.610	3	148	0.7	0.016
DD728	251.50-251.60	0.10	0.842	2	186	1.4	0.093
DD729	251.60-252.20	0.60	0.122	<2	82	<0.5	0.013
DD730	252.20-252.30	0.10	0.532	2	126	1.1	<0.005
DD731	252.30-253.20	0.90	0.496	2	105	<0.5	0.012
DD732	253.20-253.70	0.50	0.612	3	152	0.7	0.013
		3.80	0.474				
DD733	259.10-259.65	0.55	0.288	2	50	<0.5	<0.005
DD734	259.65-259.75	0.10	0.401	2	68	<0.5	<0.005
DD735	259.75-260.20	0.45	0.221	2	50	<0.5	<0.005
		1.10	0.271				
DD736	303.90-304.20	0.30	<0.008	<2	23	<0.5	<0.005
DD737	338.40-338.60	0.20	<0.008	2	11	<0.5	<0.005

Fig. 2-3-15 Geologic Log of MJFV-7



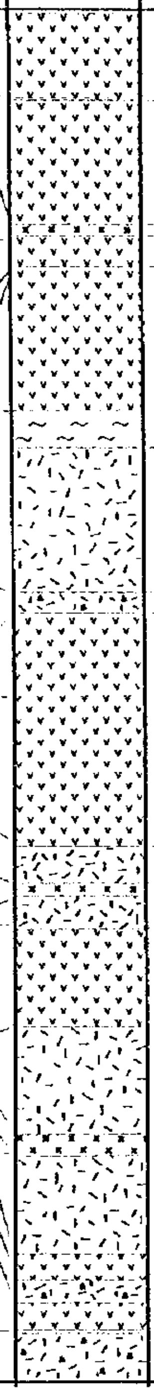
Chemical Analysis Results

No.	Depth (m)	Width (m)	Au (g/t)	Ag (g/t)	As (ppm)	Sb (ppm)	Hg (ppm)
DD822	116.80-117.25	0.45	0.228	4	86	1.0	0.093
DD828	118.10-118.60	0.50	0.551	2	86	0.6	0.028
DD829	122.10-122.50	0.40	0.918	2	50	<0.5	0.009
DD830	122.50-123.50	1.00	0.654	2	96	0.8	0.150
DD831	123.50-123.80	0.30	0.203	2	86	<0.5	0.009
		1.70	0.637				
DD832	124.30-124.70	0.40	0.319	4	61	1.2	0.023
DD837	125.10-125.40	0.30	0.478	2	60	1.0	0.008
DD823	125.40-125.60	0.20	3.13	3	80	1.1	0.013
DD833	125.60-126.60	1.00	0.416	2	50	<0.5	0.008
DD824	126.60-127.70	1.10	0.406	2	146	<0.5	<0.005
		2.60	0.628				
DD834	128.15-129.25	1.10	1.88	2	69	<0.5	<0.005
DD825	141.45-141.70	0.25	0.471	6	350	1.6	<0.005
DD826	142.60-143.00	0.40	0.473	6	265	1.6	<0.005
DD827	241.20-241.24	0.04	<0.008	<2	5	<0.5	<0.005
DD835	279.90-280.70	0.80	<0.008	<2	13	<0.5	<0.005

Fig. 2-3-16 Geologic Log of MJFV-8

Depth (m) / Log / Lithology

Depth scale: 0, 50, 100, 150, 200, 250, 300



Depth (m)	Lithology
1.00	Soil
1.00–19.30	Basalt lava: ocher-reddish-gray, weakly brecciated; large phenocryst:pyroxene
19.30–19.80	Basalt dyke
19.80–46.60	Basalt lava: gray-green-dark green, partly reddish-purplish; weakly brecciated- compact, rather hard
46.60–49.10	Basalt dyke: pyroxene phenocryst: large
49.10–55.75	Basalt lava: dark green, fine grained
55.75–56.15	Basalt dyke
56.15–87.20	Basalt lava: Alternation of dark green compact facies and reddish amygdaloidal facies; amygdules and irregular pool: filled with silica mineral
87.20–95.35	Clay-argillized-silicified zone
95.35–127.10	Lapilli tuff: green-pale green, massive; fragments: mafic, lithic, angular, max size=10cm; mineral (pyroxene) fragments
127.10–131.70	Tuff breccia (gradually change into basalt lava)
131.70–182.80	Basalt lava: grayish-dark green, fine-grained; compact; partly brecciated(blacky fragments and pale green matrix)
182.80–190.75	Lapilli tuff: green, densely packed, fragments>matrix, rather hard
190.75–192.60	Lapilli tuff; Basalt dyke
192.60–200.85	Basalt lava
200.85–222.20	Basalt lava: dark gray, large amygdules filled with green soapy minerals(smectite?)
222.20–245.80	Tuff-Lapilli tuff: fine tuff-sandy tuff: green finely laminated; lapilli tuff: mosaic, lithic angular fragments
245.80–250.60	Basalt dyke
250.60–272.30	Lapilli tuff: partly blacky basalt block abundant
272.30–278.00	Basalt lava
278.00–283.30	Tuff breccia
283.30–284.10	Basalt Lava (genetically weakly brecciated lava)
284.10–288.80	Basalt dyke
288.80–289.50	Tuff breccia: partly lapilli tuff facies; lithic angular, multi-color fragments

300.90(EOH)

Alteration and Mineralization

6.10-6.20 whitish clay, FeOx
9.00-9.30 Reddish clay, soft
0-14.35 Weathered
28.30-28.40 Fractured,weakly argillized
41.90-41.91 Sheared zone (crossing at 40 degree)
41.90, 44.20, 46.70,46.85, 58.60 Quartz veinlets (1-4mm, at ~40 degrees)
Pyrite weakly disseminated Xray(58.70m): Mixed layered mineral(smectite/chlorite)-quartz
61.90 Clay width=2 cm,brownish Xray(88.00m): chlorite-quartz
79.35 Quartz veinlet (at 30 degree)
83.30-83.40 Clay-quartz veinlts Xray(115.00m): Smectite-metahaloysite
83.70-83.90 Clay, pyrite disseminated
87.20-87.30 Clay (true width 5cm, at 40 degree) including a quartz veinlet
88.10-89.70 Argillized zone, pyrite disseminated including silicified fragments
89.90-90.25 Weakly argillized zone
90.70-93.05 Argillized zone with quartz veinlets, silicified fragments
93.70-93.75 Quartz fragments
93.75-94.05 Quartz stockwork
94.05-94.75 Quartz vein(5cm), Clay-quartz veinlets
95.15-95.35 Silicified zone with quartz veinlets (5mm width)
Xray(115.00m): Smectite-metahaloysite
116.00, 116.80, 124.75 Quartz veinlets(2-3mm width)
166.95, 167.00, 169.00-170.00 Quartz veinlets (1-5mm width, crossing at 40-45 degrees) drusy quartz, pyrite disseminated)
Xray(151.60m): Smectite-metahaloysite-quartz
192.60 Quartz, 5mm width
192.60-193.30 Weakly bleached
Xray(200.70m): Smectite-metahaloysite
243.65-243.70 Clay quartz veinlets(1cm milky quartz)
245.35-245.50 Drusy quartz, pyrite disseminated
246.55-246.95 Quartz veinlets(stockwork)
247.65, 247.80 Quartz veinlets(5mm) Xray(258.50m): Mix layered mineral-quartz
248.60-249.00 Clay(fault clay? smectite)
250.30 Quartz veinlets(3mm)
Xray(289.90m): Chlorite-mix layered mineral(smectite/sericite)-quartz
284.10-284.50 Silicified-argillized zone(weak)
289.90-290.10 Bleached zone with a drusy quartz
295.00 Quartz veinlet(irregular) Xray(300.00m): Chlorite-quartz
299.50 Pyrite disseminated (weakly)

Chemical Analysis Results

No.	Depth (m)	Width (m)	Au (g/t)	Ag (g/t)	As (ppm)	Sb (ppm)	Hg (ppm)
DD901	87.20-87.30	0.10	1.01	2	60	<0.5	0.040
DD902	88.10-88.45	0.35	0.562	3	102	0.7	0.015
DD903	88.45-88.50	0.05	0.516	4	110	0.7	0.010
DD904	88.50-88.70	0.20	0.262	2	106	0.6	0.013
		0.60	0.458				
DD905	90.70-91.35	0.65	0.436	3	128	0.8	0.027
DD906	91.35-91.55	0.20	0.291	4	130	1.0	0.012
DD907	91.55-91.70	0.15	0.020	2	50	<0.5	0.009
DD908	91.70-91.95	0.25	0.051	2	100	<0.5	0.014
DD909	91.95-93.00	1.05	0.101	2	63	<0.5	0.016
DD910	93.00-93.05	0.05	0.372	2	63	<0.5	0.016
DD911	93.05-93.70	0.65	0.211	2	92	0.6	0.021
DD912	93.70-93.75	0.05	0.792	3	112	0.9	0.032
DD913	93.75-94.05	0.30	2.33	3	34	0.9	<0.005
DD914	94.05-94.10	0.05	0.171	2	23	<0.5	<0.005
DD915	94.10-94.75	0.65	0.008	<2	15	<0.5	<0.005
		4.05	0.339				
DD916	95.15-95.25	0.10	0.401	<2	50	<0.5	0.006
DD917	243.65-243.70	0.05	<0.008	<2	1	<0.5	<0.005
DD918	245.35-245.50	0.15	<0.008	2	5	<0.5	<0.005
DD919	246.70-246.85	0.15	<0.008	<2	3	<0.5	<0.005
DD920	248.60-249.00	0.40	<0.008	<2	19	<0.5	0.009
DD921	284.10-284.50	0.40	<0.008	2	50	<0.5	<0.005
DD922	289.90-290.10	0.20	0.101	6	70	<0.5	<0.005

Fig. 2-3-17 Geologic Log of MJFV-9

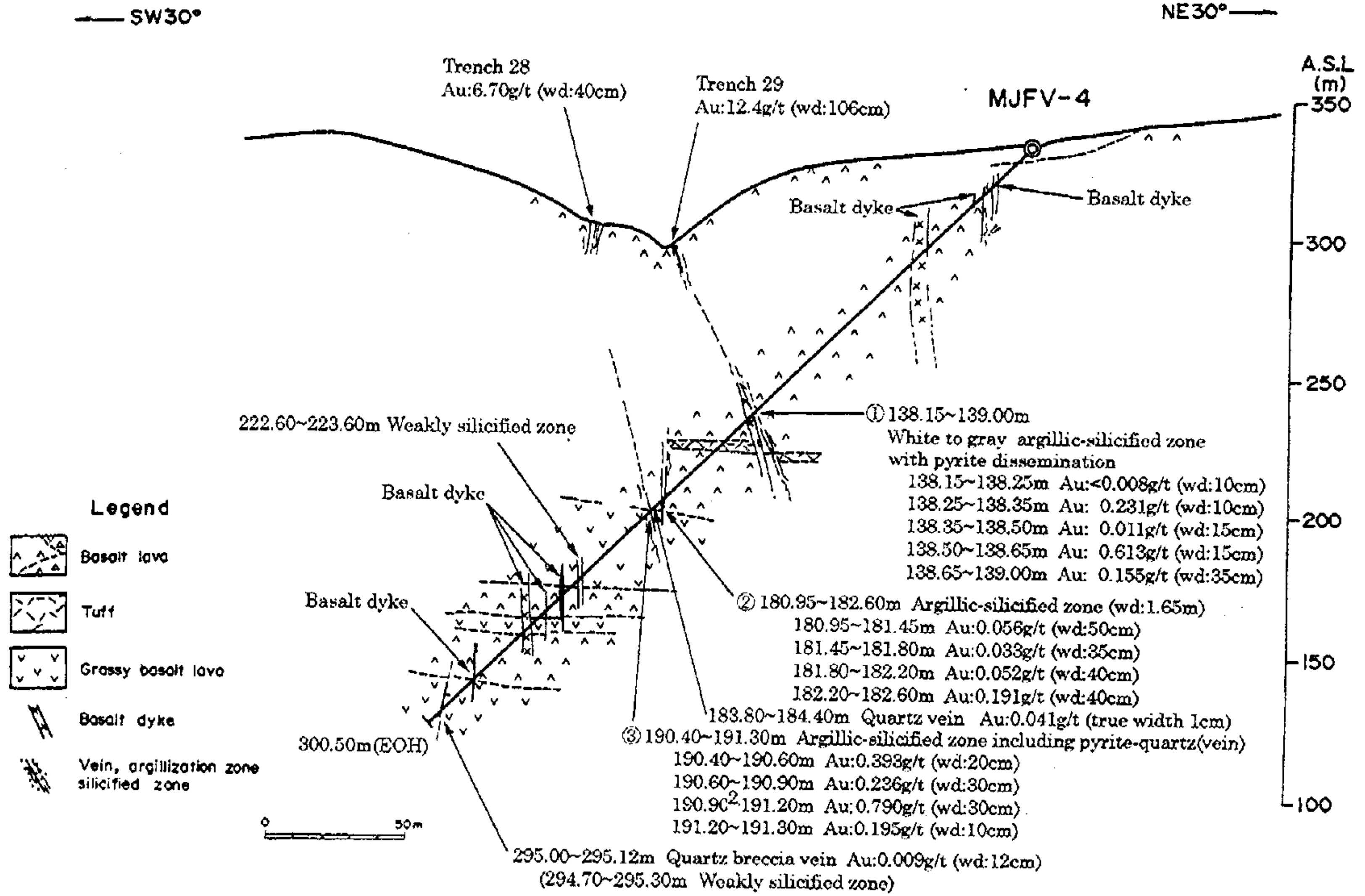


Fig. 2-3-18 Geologic Profile of MJFV-4

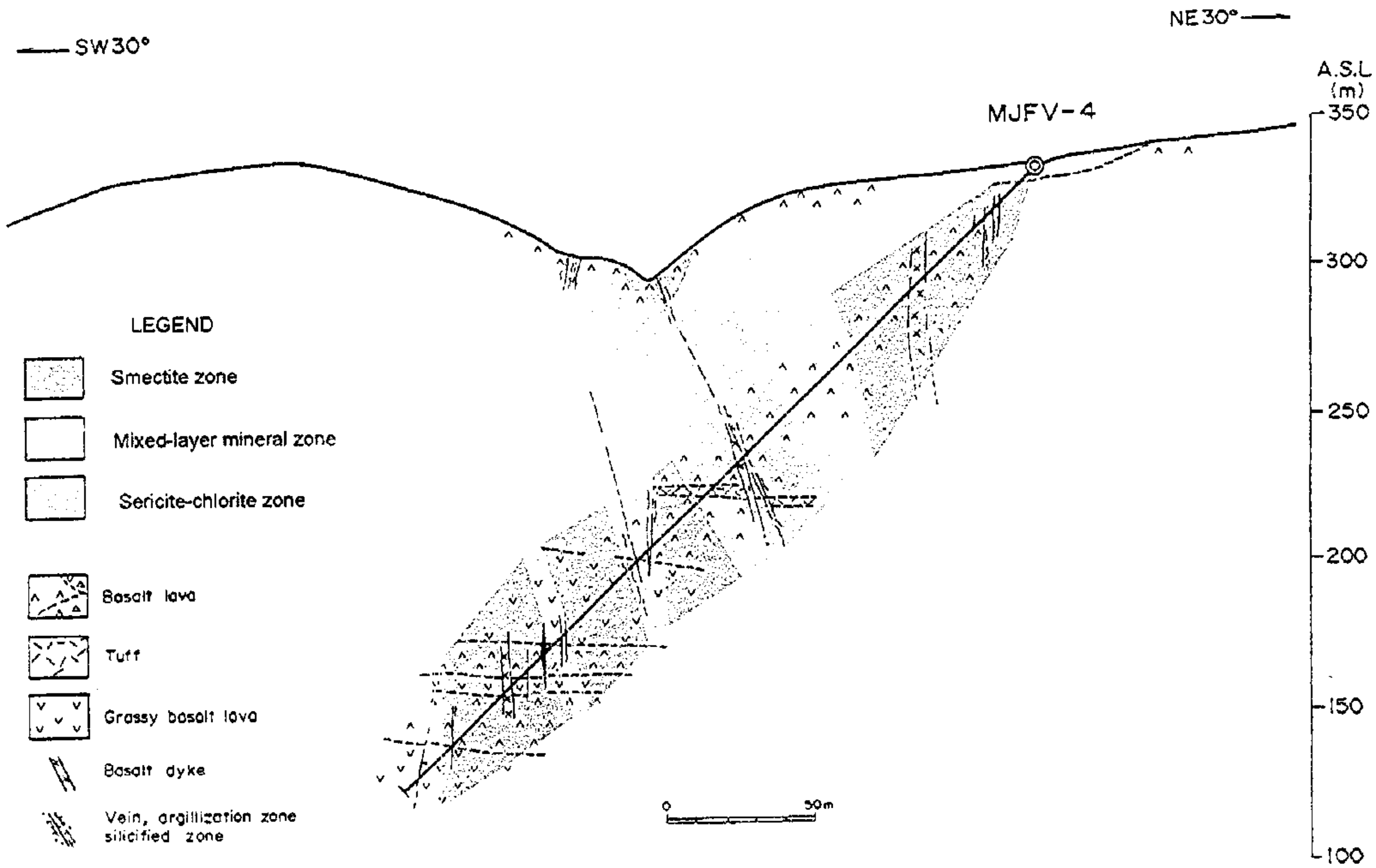


Fig. 2-3-19 Schematic Alteration Zoning of MJFV-4

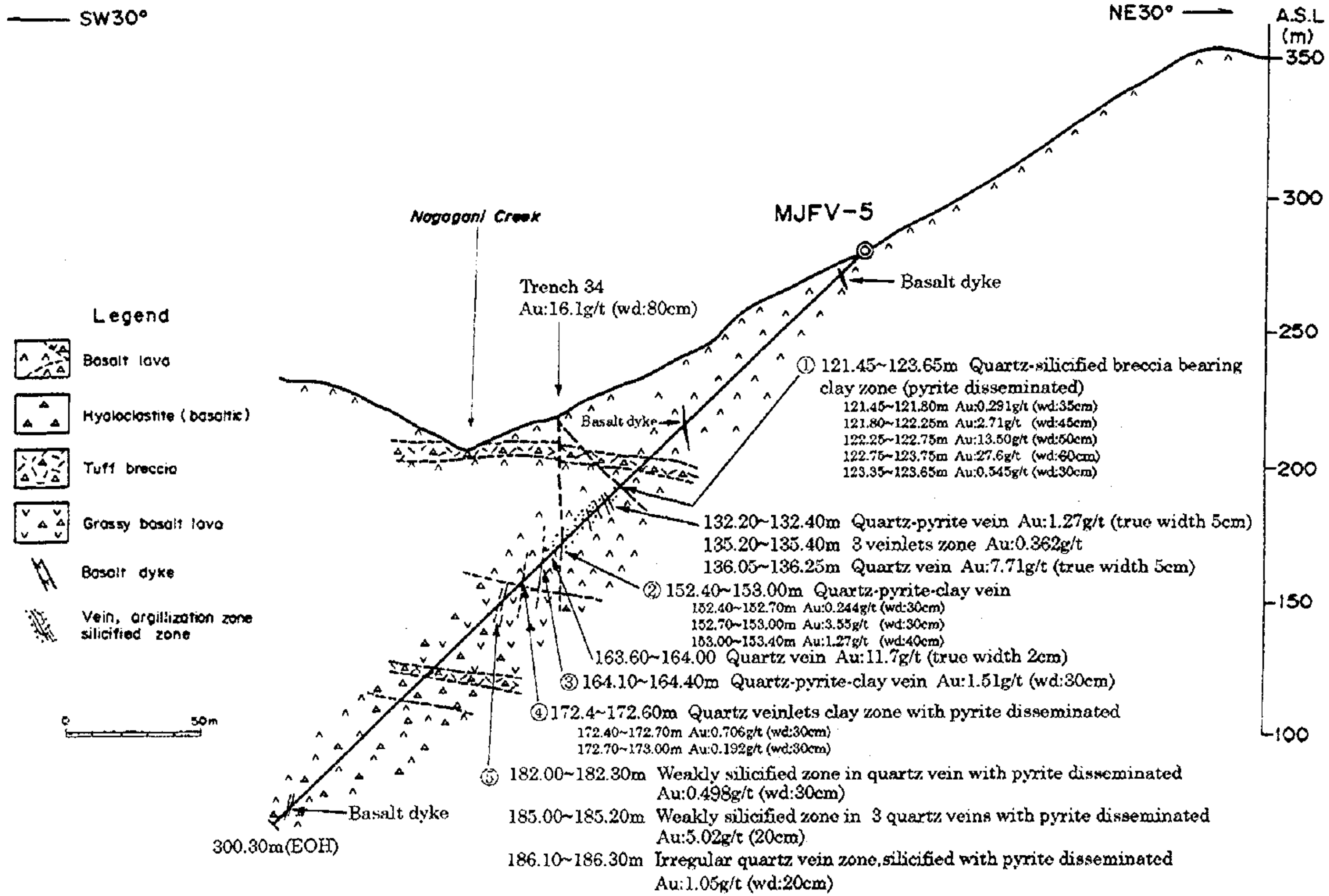


Fig. 2-3-20 Geologic Profile of MJFV-5

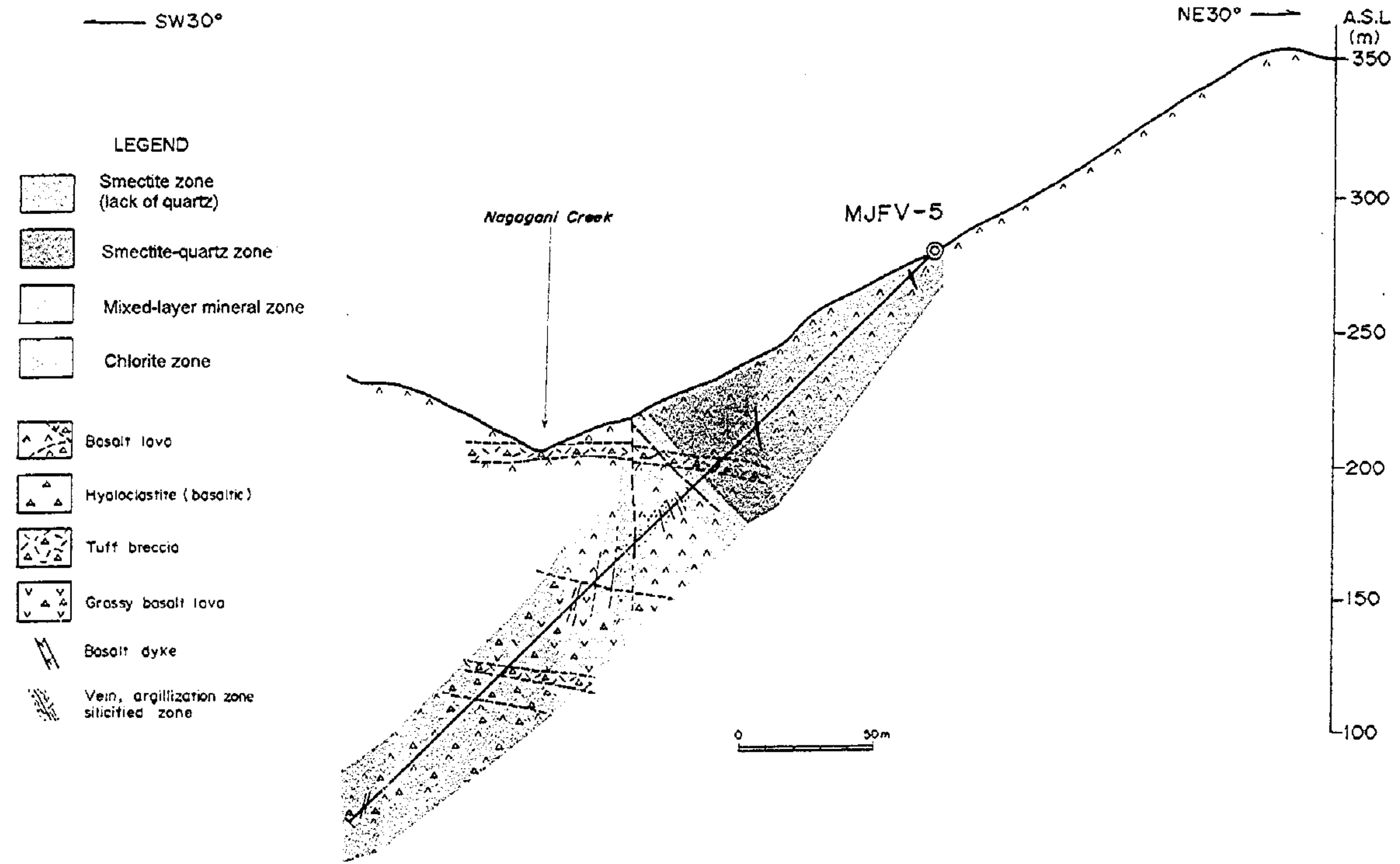


Fig. 2-3-21 Schematic Alteration Zoning of MJFV-5

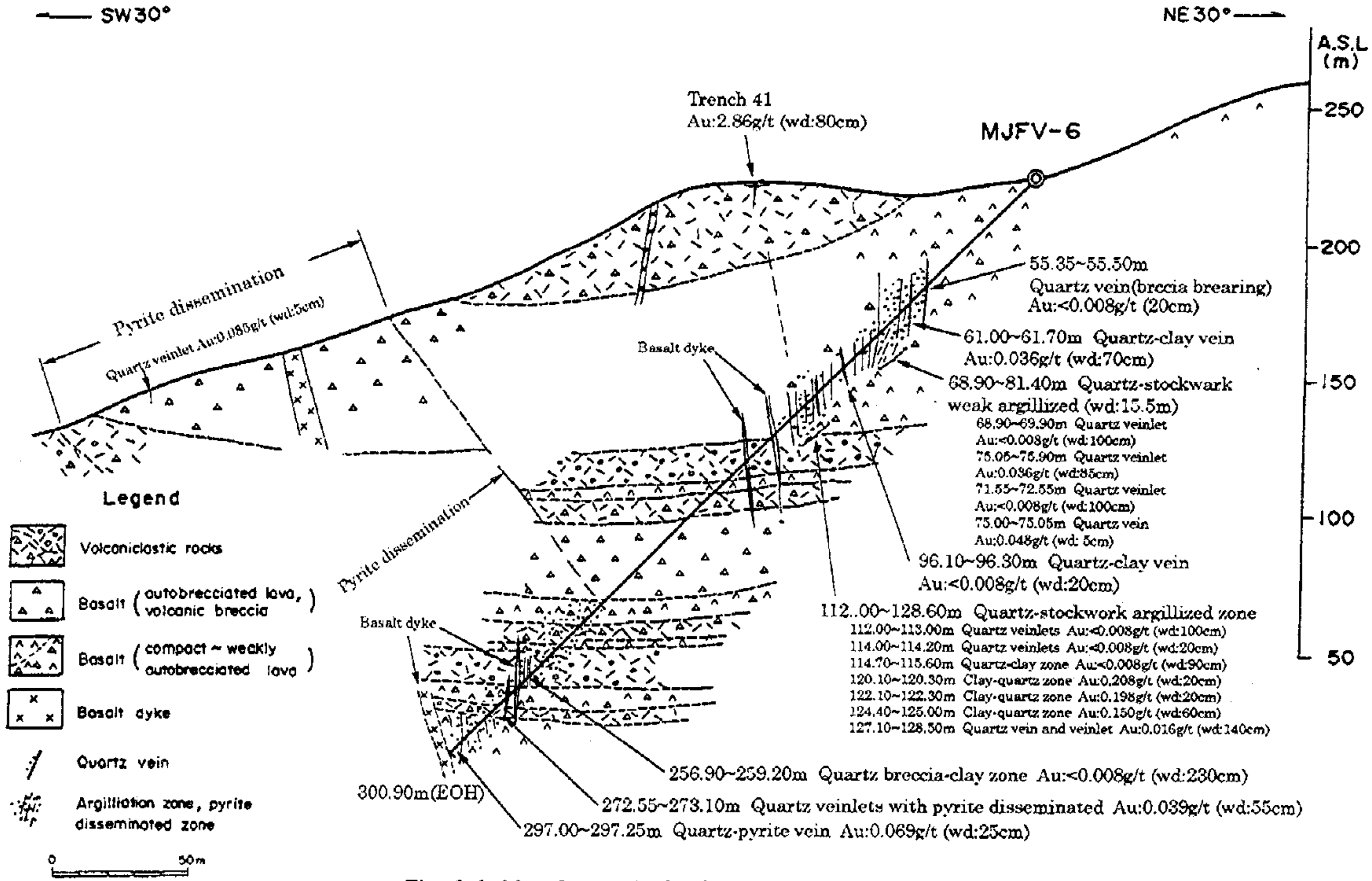


Fig. 2-3-22 Geologic Profile of MJFV-6

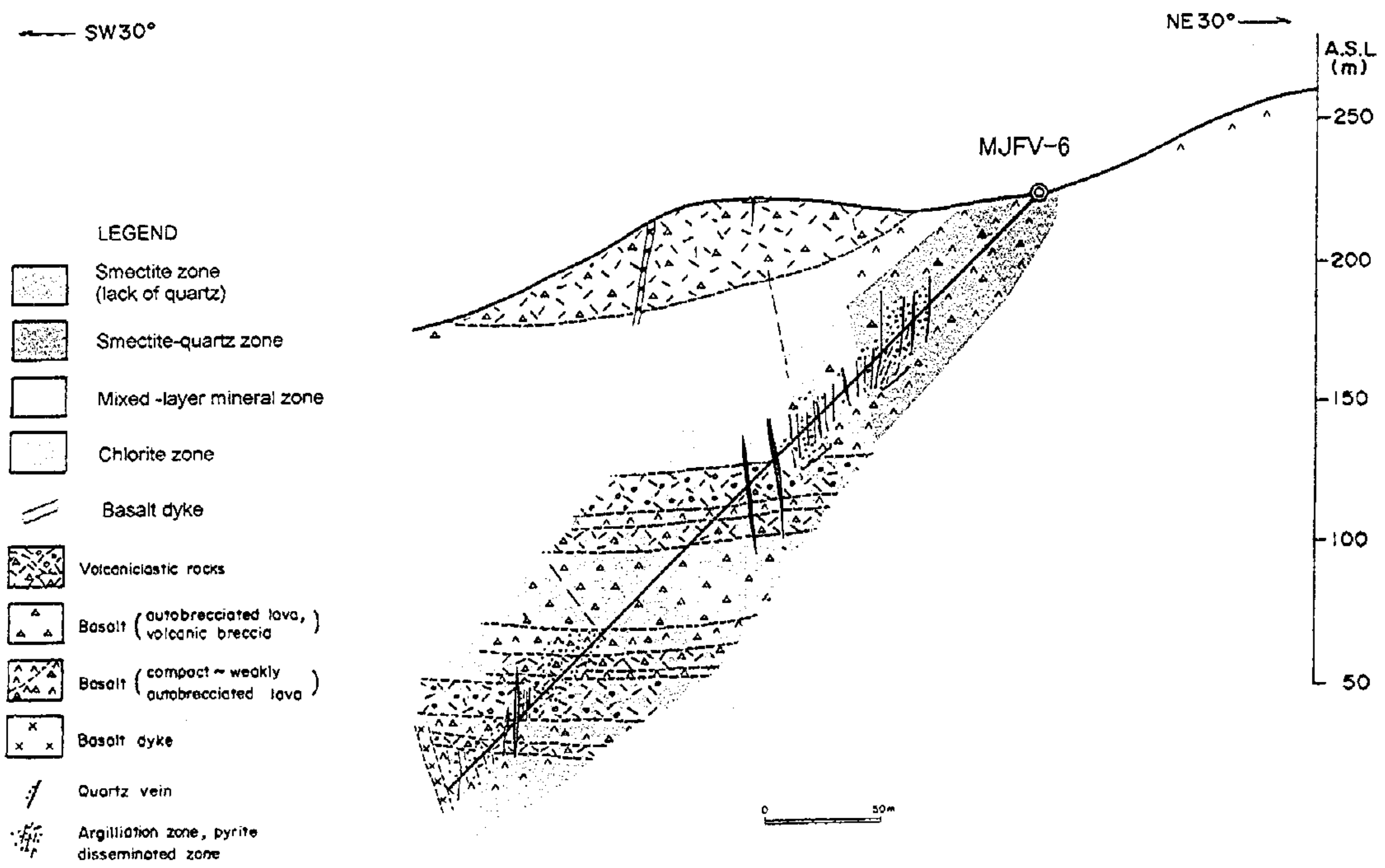


Fig. 2-3-23 Schematic Alteration Zoning of MJFV-6

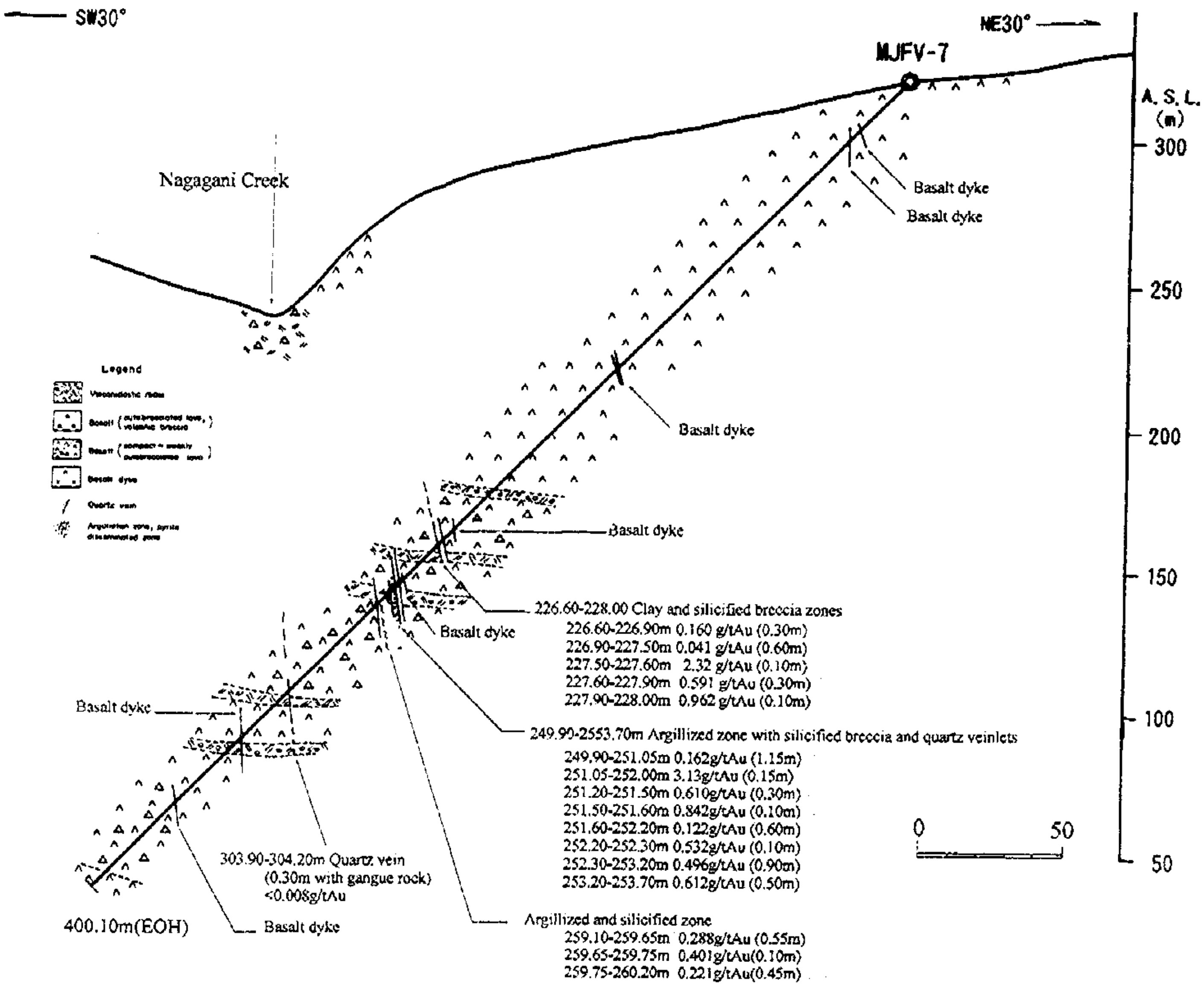


Fig. 2-3-24 Geologic Profile of MJFV-7

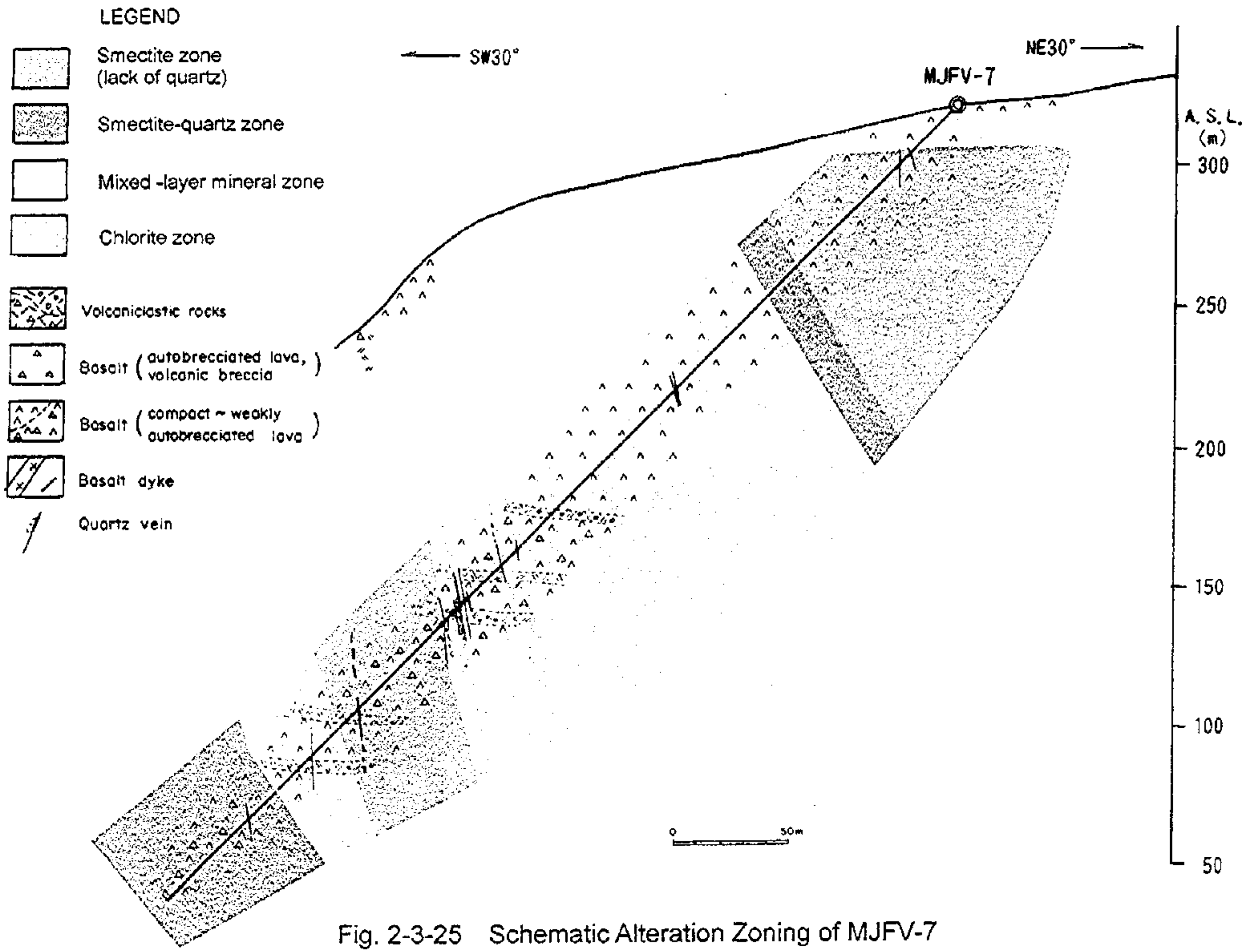


Fig. 2-3-25 Schematic Alteration Zoning of MJFV-7

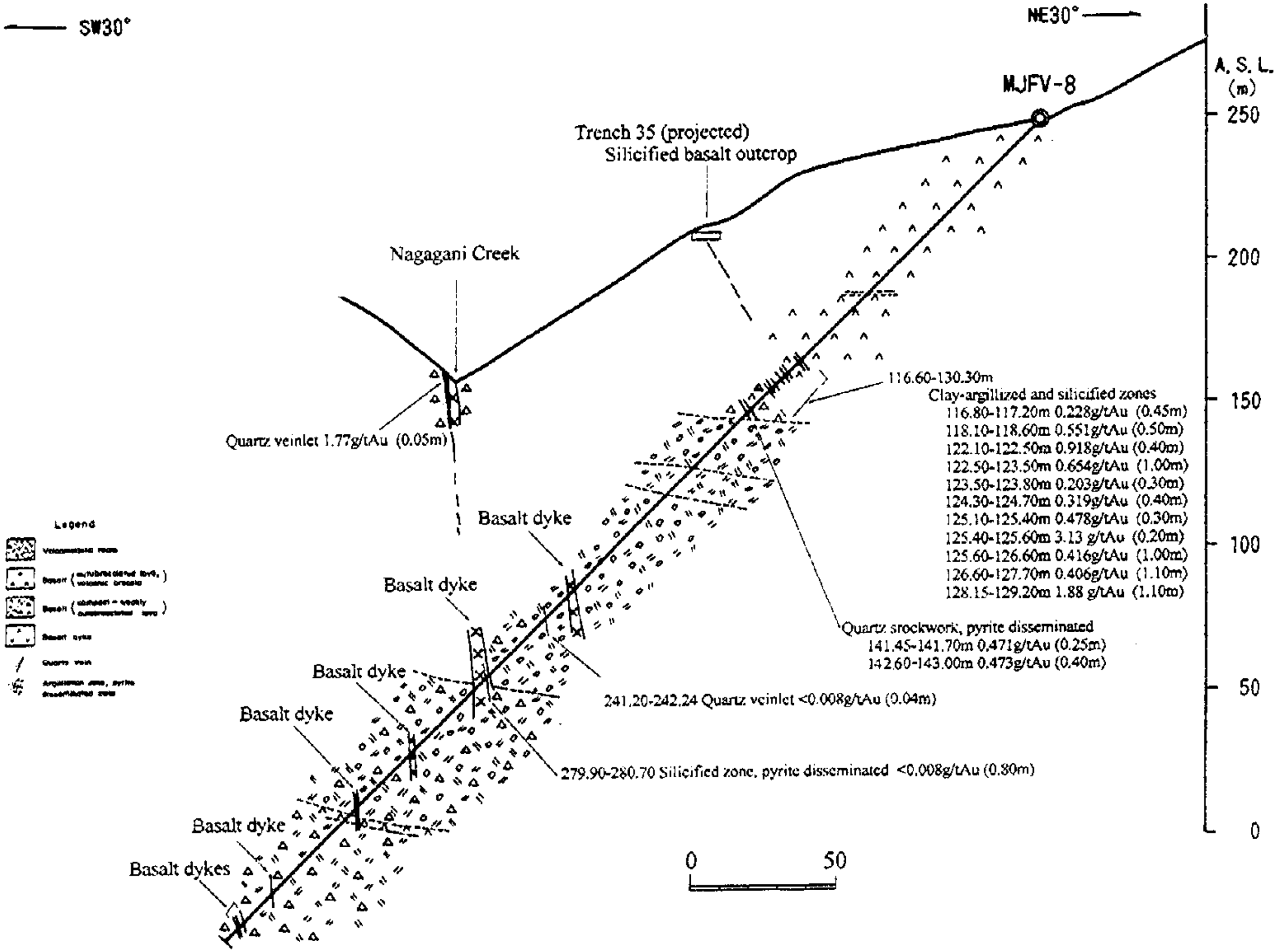


Fig. 2-3-26 Geologic Profile of MJFV-8

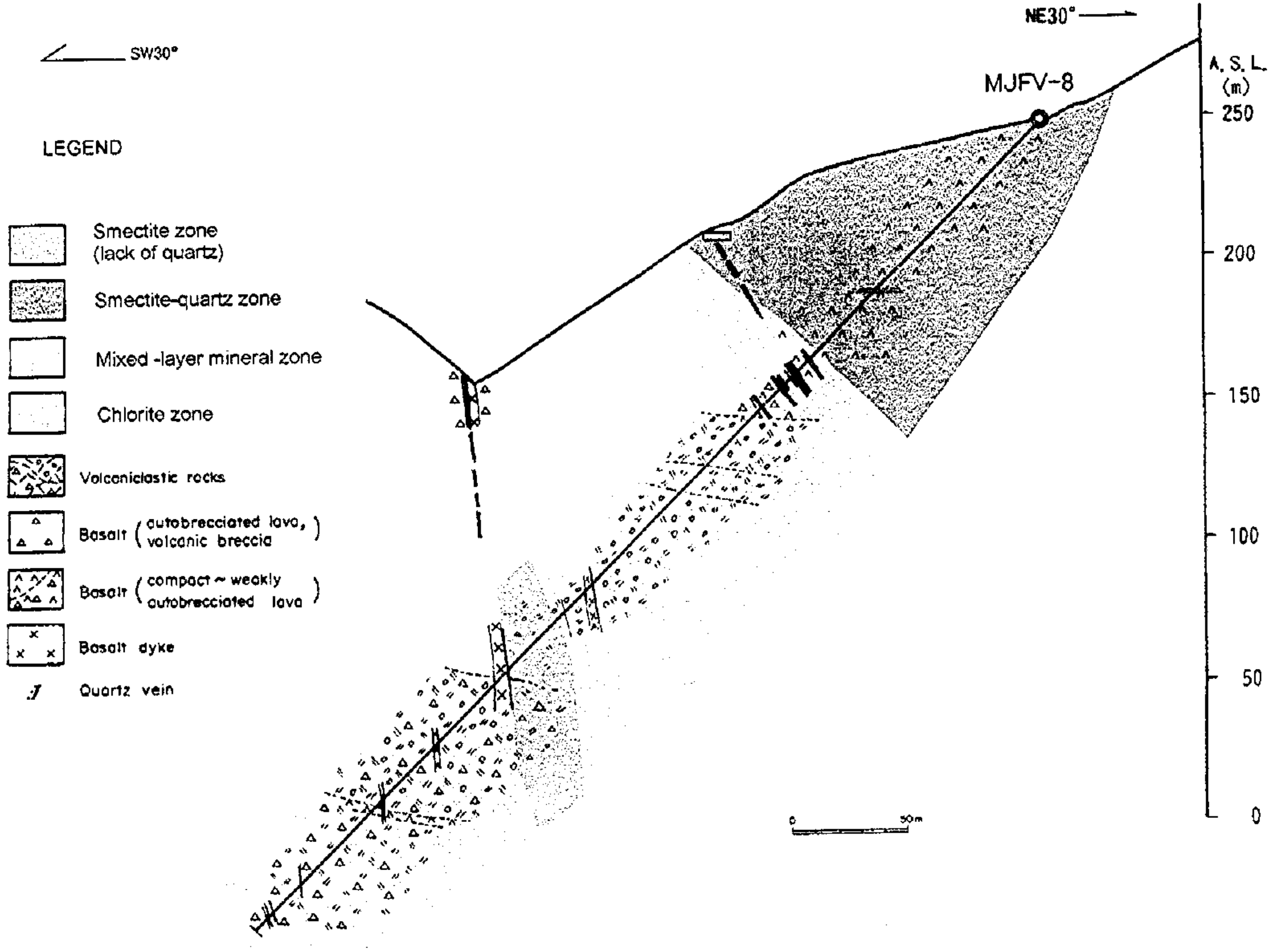


Fig. 2-3-27 Schematic Alteration Zoning of MJFV-8

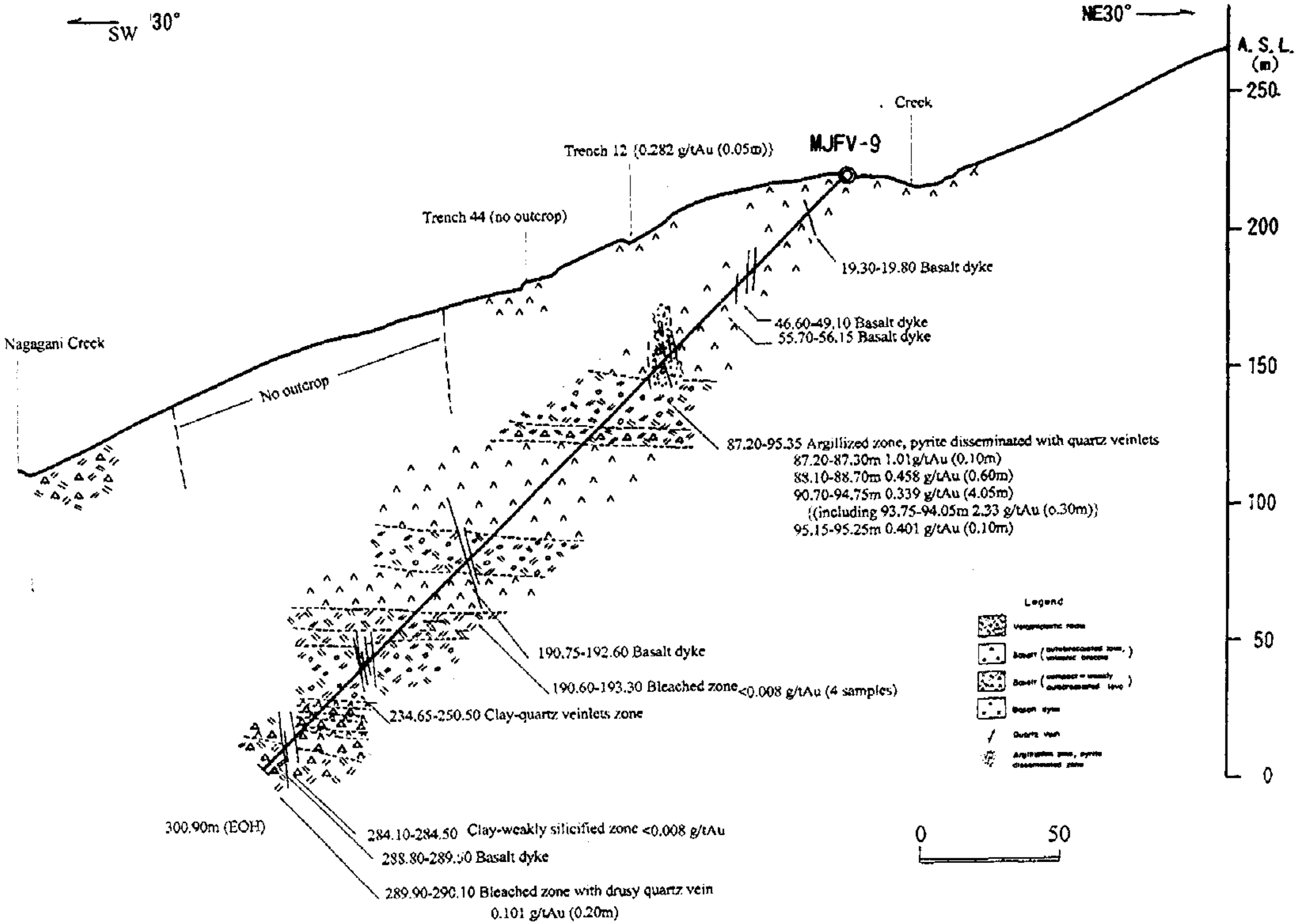


Fig. 2-3-28 Geologic Profile of MJFV-9

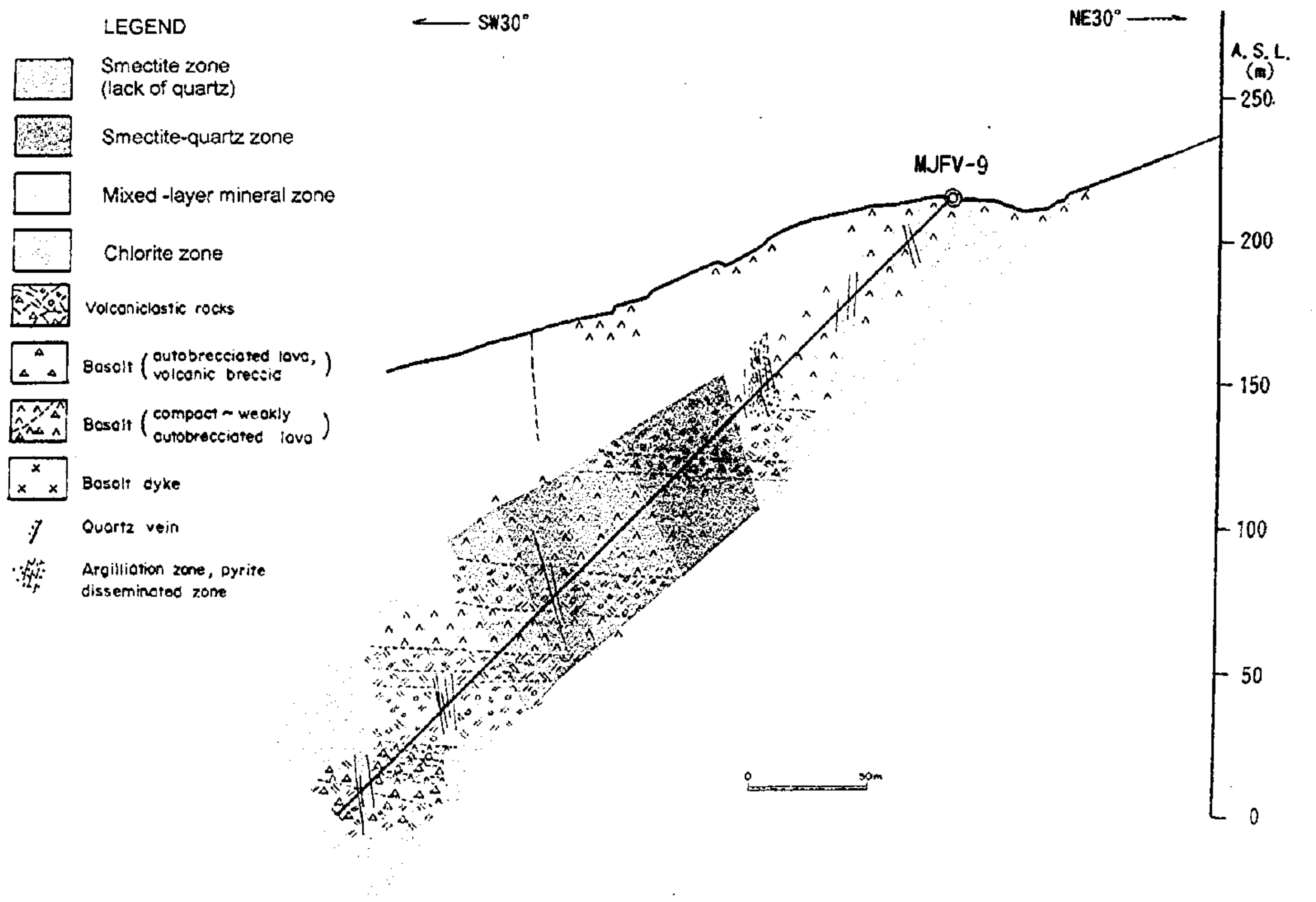
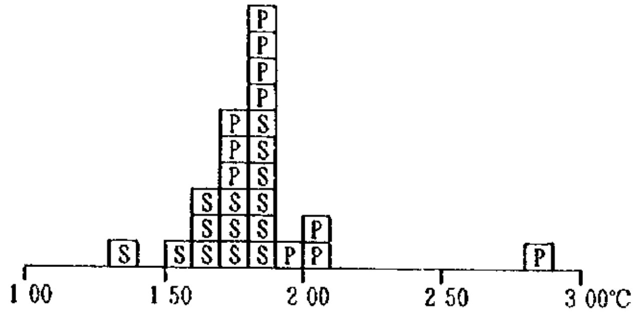


Fig. 2-3-29 Schematic Alteration Zoning of MJFV-9

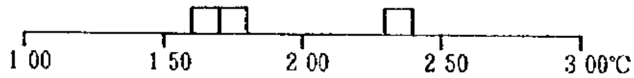
DD414
(MJFV-4, 138.25m)

number 24
average 182°C
maximum 286°C
minimum 136°C
standard deviation 27°C



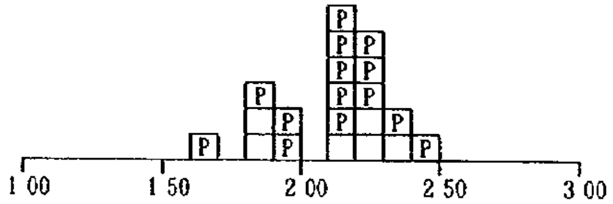
DD418
(MJFV-4, 180.95m)

number 3
average 194°C
maximum 237°C
minimum 169°C
standard deviation 37°C



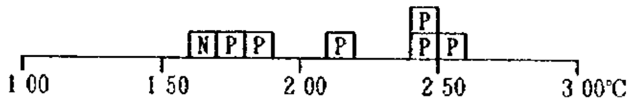
DD421
(MJFV-4, 182.20m)

number 20
average 212°C
maximum 243°C
minimum 167°C
standard deviation 20°C



DD505
(MJFV-5, 123.35m)

number 6 (excluding a necking down inclusion)
average 219°C
maximum 250°C
minimum 178°C
standard deviation 33°C



DD507
(MJFV-5, 152.75m)

number 20
average 239°C
maximum 273°C
minimum 178°C
standard deviation 27°C

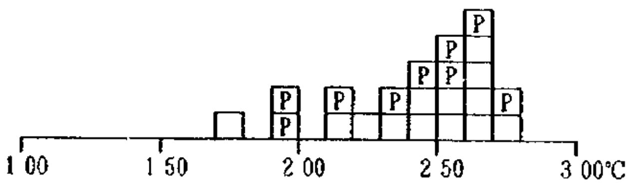
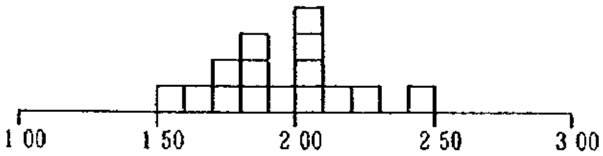


Fig. 2-3-30(1) Histograms of Homogenization Temperatures of Fluid Inclusions from the Dakuniba Area(1)

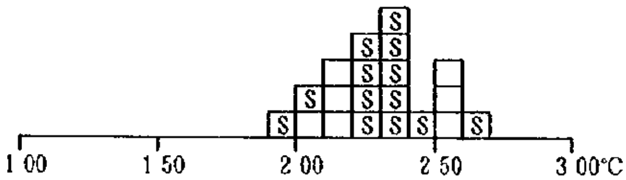
DD509
(MJFV-5,163.60m)

number 15
average 194°C
maximum 241°C
minimum 158°C
standard deviation 24°C



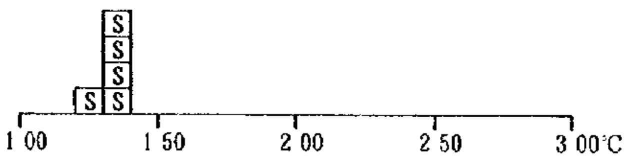
DD622
(MJFV-6,127.10m)

number 20
average 230°C
maximum 263°C
minimum 195°C
standard deviation 18°C



DD627
(MJFV-6,120.10m)

number 5
average 130°C
maximum 131°C
minimum 129°C
standard deviation 1°C



DD638
(MJFV-6,272.55m)

number 21
average 249°C
maximum 294°C
minimum 209°C
standard deviation 21°C

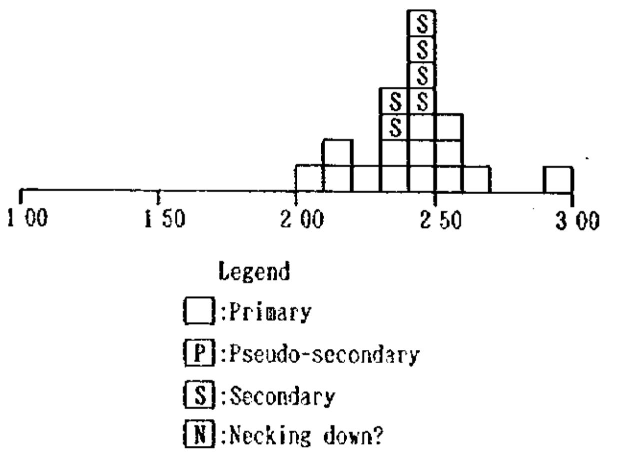


Fig. 2-3-30(2) Histograms of Homogenization Temperatures of Fluid Inclusions from the Dakuniba Area(2)

DD740
(MJFV-7, 227.105m)

number 2
average 434℃
maximum 460℃
minimum 407℃
standard deviation 37℃

DD818
(MJFV-8, 141.45m)

number 16
average 271℃
maximum 373℃
minimum 185℃
standard deviation 62℃

DD914
(MJFV-9, 94.05m)

number 11
average 132℃
maximum 178℃
minimum 118℃
standard deviation 16℃

DD916
(MJFV-9, 95.15m)

number 2
average 386℃
maximum 406℃
minimum 365℃
standard deviation 29℃

DD922
(MJFV-9, 289.90m)

number 9
average 312℃
maximum 351℃
minimum 268℃
standard deviation 30℃

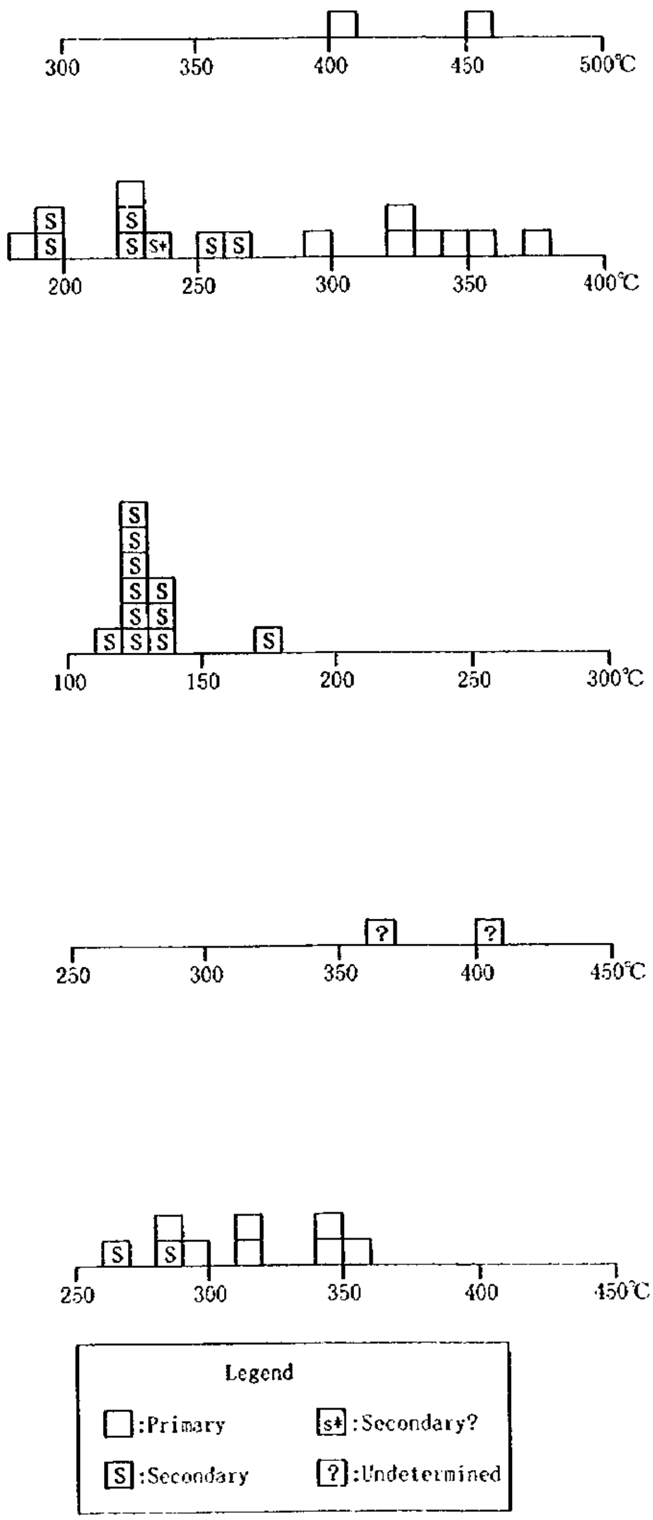
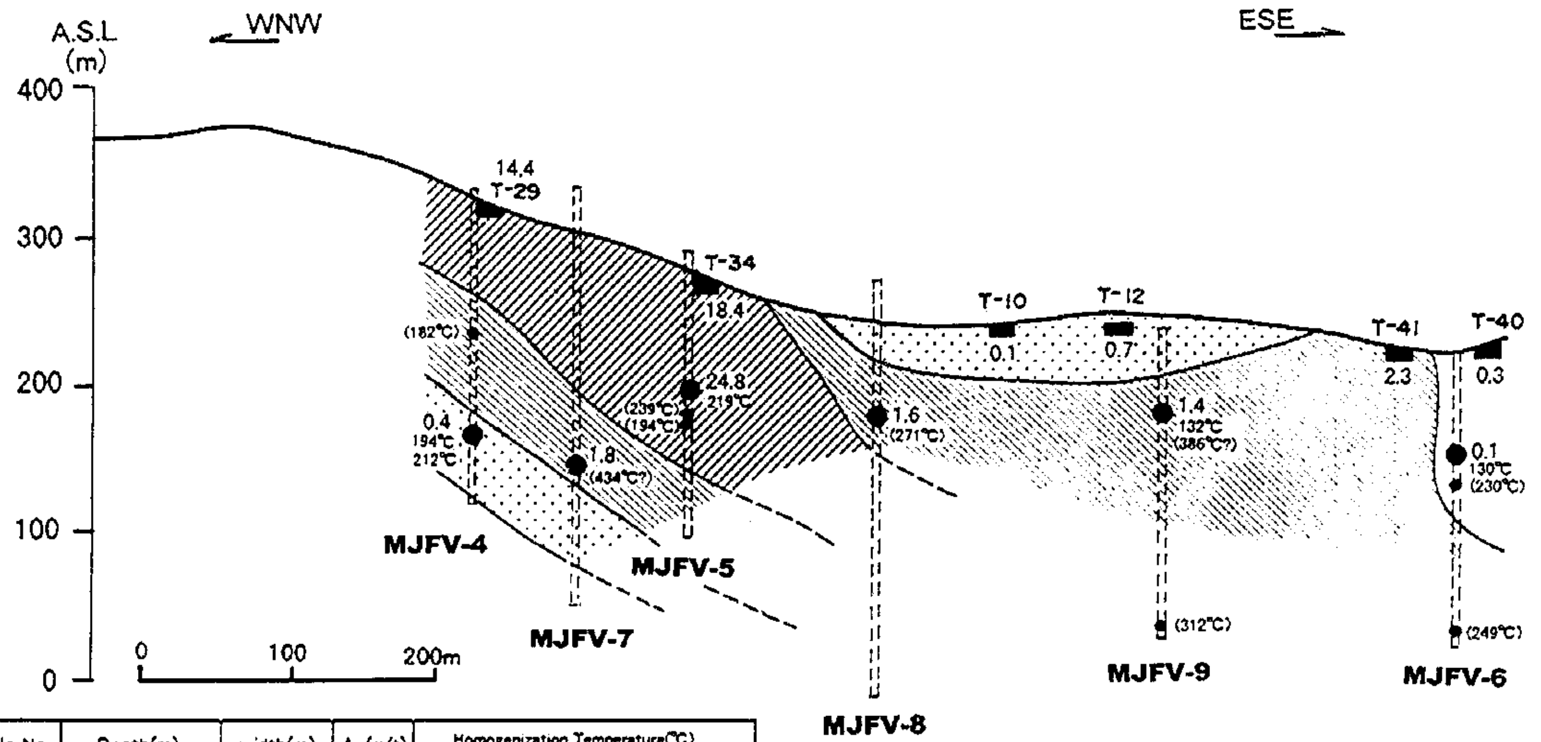


Fig. 2-3-30(3) Histograms of Homogenization Temperatures of Fluid Inclusions from the Dakuniba Area(3)



Hole No.	Depth(m)	width(m)	Au(g/t)	Homogenization Temperature(℃)	
				from main zone	from adjacent zones
MJFV-4	180.95 - 182.60	1.65	0.08	194 212	182
MJFV-5	121.45 - 123.65	2.20	11.27	219	194 239
MJFV-6	120.10 - 125.00	4.90	0.03	130	230 249
MJFV-7	249.90 - 253.70	3.80	0.47	-	434?
MJFV-8	125.10 - 127.70	2.60	0.63	-	271
MJFV-9	90.70 - 94.75	4.05	0.34	132	312 386?

194℃ Homogenization temperature from the main zone

(271℃) Homogenization temperature from the adjacent zone

434℃? Unreliable data (shown only for reference)

LEGEND

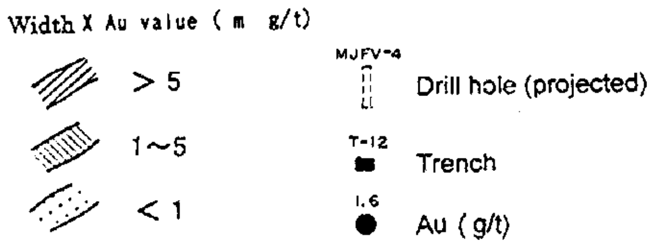


Fig. 2-3-31 Integrated Profile of Assay Values and Homogenization Temperatures

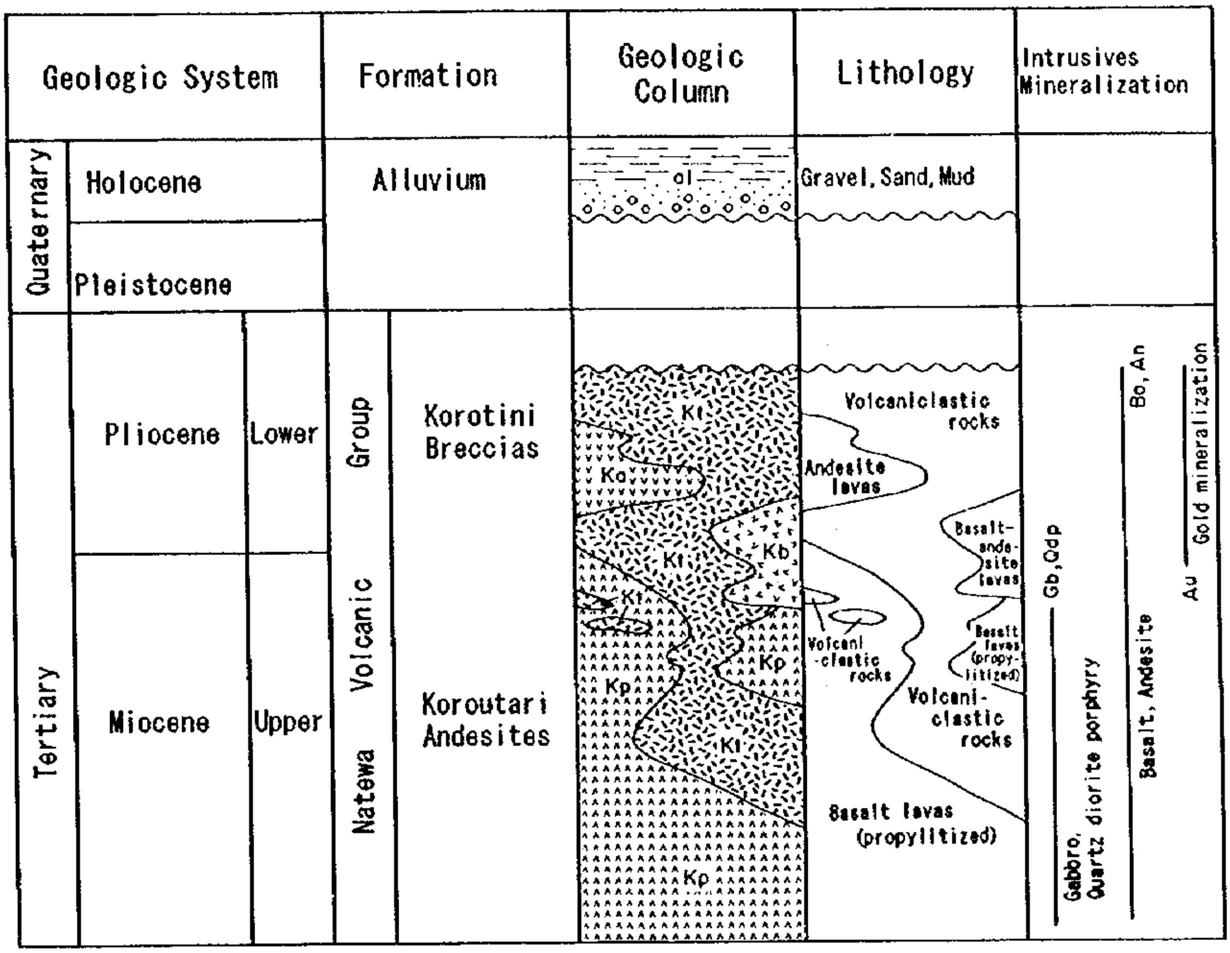


Fig. 2-4-1 Schematic Stratigraphic Columns of the Waimotu Area