巻末資料

巻末資料 1　トレンチ調査鉱石試料化学分析結果一覧表

試料番号	採取位置	試料名	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
TA101	MJT-1,94-95.2m from E end	Sili. zone with Qtz vein	0.4	<1	<0.01	<0.01	<0.01
TA102	MJT-1,94.5m from E end	Sili. sandstone	<0.4	<1	<0.01	<0.01	<0.01
TA103	MJT-1 98m from E end	Dissemi. part	0.8	<1	<0.01	<0.01	<0.01
TA104	MJT-1 116m from E end	Hematite veinlet	0.4	1	<0.01	0.01	0.06
TA105	MJT-1 109m from E end	Hematite vein	<0.4	2	<0.01	0.05	0.08
TA106	MJT-1 106m from E end	Hematite network	0.4	11	0.02	0.29	0.26
TA107	MJT-1 102m from E end	Hematite network	0.4	3	<0.01	0.07	0.05
TA108	MJT-1 150.5m from E end	Sili. zone	<0.4	<1	<0.01	<0.01	<0.01
TA109	MJT-1 151.5m from E end	Massive hematite	<0.4	<1	<0.01	<0.01	<0.01
TA110	MJT-1 154m from E end	Dissemi. part	0.4	<1	0.02	0.03	0.01
TA111	MJT-1 155m from E end	Dissemi. part	<0.4	<1	0.03	0.03	0.01
TA112	MJT-1 15m from E end	Hematite network	0.4	<1	<0.01	0.01	0.01
TA201	MJT-2 39m from E end	Limonite network	<0.4	1	<0.01	0.04	<0.01
TA202	MJT-2 50m from E end	Limonite network	0.4	<1	<0.01	0.04	0.05
TA203	MJT-2 149.5m from E end	Limonite network	0.4	<1	<0.01	0.02	0.03
TA204	MJT-2 170m from E end	Limonite network	<0.4	<1	<0.01	0.01	0.03
TA205	MJT-2 167m from E end	Hema.-Goe. network	0.4	<1	<0.01	0.01	0.02
TA206	MJT-2 186.5m from E end	Hematite vein	0.4	<1	<0.01	<0.01	0.01
TA207	MJT-2 194m from E end	Limonite vein	0.4	<1	<0.01	<0.01	0.04
TA301	MJT-3 185m from E end	Hematite network	<0.4	<1	<0.01	<0.01	0.01
TA302	MJT-3 179.5m from E end	Calcite vein	0.4	<1	<0.01	<0.01	<0.01
TA303	MJT-3 170-171m from E end	Hematite network	0.4	<1	<0.01	<0.01	<0.01
TA304	MJT-3 169-170m from E end	Hematite network	<0.4	<1	<0.01	<0.01	<0.01
TA305	MJT-3 168-169m from E end	Hematote network	<0.4	<1	<0.01	<0.01	<0.01
TA306	MJT-3 160.7m from E end	Hematote network	<0.4	<1	<0.01	0.01	0.02
TA307	MJT-3 160m from E end	Hematote network	0.4	<1	<0.01	<0.01	<0.01
TA308	MJT-3 159.3m from E end	Hematote network	<0.4	<1	<0.01	0.01	<0.01
TA309	MJT-3 158.5m from E end	Hematote network	0.4	<1	<0.01	<0.01	0.01
TA310	MJT-3 136m from E end	Goethite vein	0.4	<1	<0.01	0.03	0.05
TA311	MJT-3 123.5m from E end	Hematite network	0.4	<1	<0.01	<0.01	0.03

巻末資料 2　トレンチ調査岩石試料化学分析結果一覧表（1）

試料番号	採取位置	試料記載	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
TG101	MJT-1 95.2-97.2m from E end	Fine sandstone	31	<1	19	20	44
TG102	MJT-1 97.2-99.2m from E end	Fine sandstone	29	<1	31	20	41
TG103	MJT-1 99.2-101.2m from E end	Fine sandstone	30	<1	29	20	36
TG104	MJT-1 92-94m from E end	Siltstone	21	<1	23	40	53
TG105	MJT-1 90-92m from E end	Siltstone	29	<1	28	<10	54
TG106	MJT-1 88-90m from E end	Fine sandstone	29	<1	32	20	53
TG107	MJT-1 86-88m from E end	Fine sandstone	52	<1	22	10	46
TG108	MJT-1 84-86m from E end	Fine sandstone	23	<1	16	20	52
TG109	MJT-1 82-84m from E end	Fine sandstone	32	<1	21	10	44
TG110	MJT-1 80-82m from E end	Fine sandstone	26	<1	43	40	64
TG111	MJT-1 102-104m from E end	Limestone with Hema. network	<10	5	4	230	256
TG112	MJT-1 104-106m from E end	Limestone with Hema. network	15	8	4	160	512
TG113	MJT-1 106-108m from E end	Limestone with Hema. network	29	5	33	3240	1272
TG114	MJT-1 108-110m from E end	Limestone with Hema. network	<10	2	6	420	1010
TG115	MJT-1 110-112m from E end	Limestone with Hema. veinlet	<10	2	9	390	1282
TG116	MJT-1 112-114m from E end	Limestone with Hema. veinlet	11	2	4	200	828
TG117	MJT-1 114-116m from E end	Limestone with Hema. veinlet	<10	2	6	140	616
TG118	MJT-1 116-118m from E end	Limestone with Hema. veinlet	<10	2	10	80	484
TG119	MJT-1 118-120m from E end	Limestone	<10	2	4	60	242
TG120	MJT-1 120-122m from E end	Limestone with Hema. veinlet	<10	<1	4	220	484
TG121	MJT-1 141-143m from E end	Fine sandstone	25	<1	44	40	40
TG122	MJT-1 143-145m from E end	Fine sandstone	26	<1	48	20	33
TG123	MJT-1 145-147m from E end	Fine sandstone	33	<1	36	60	38
TG124	MJT-1 147-149m from E end	Fine sandstone	20	<1	19	20	36
TG125	MJT-1 149-151m from E end	Fine sandstone	24	<1	28	10	36
TG126	MJT-1 151-153m from E end	Siltstone	24	<1	41	30	39
TG127	MJT-1 153-155m from E end	Aplite	17	<1	35	40	36
TG128	MJT-1 155-157m from E end	Aplite	13	<1	21	30	30
TG129	MJT-1 157-159m from E end	Coarse sandstone	19	<1	42	70	58
TG130	MJT-1 159-161m from E end	Coarse sandstone	15	<1	31	60	87
TG131	MJT-1 161-163m from E end	Fine sandstone	14	<1	36	70	195
TG132	MJT-1 163-165m from E end	Fine sandstone	16	<1	29	50	161
TG133	MJT-1 165-167m from E end	Fine sandstone	238	<1	116	150	460
TG134	MJT-1 167-169m from E end	Fine sandstone	50	<1	56	150	309
TG135	MJT-1 169-171m from E end	Shear zone	70	<1	69	120	332
TG136	MJT-1 171-173m from E end	Shear zone	12	<1	5	50	108
TG137	MJT-1 173-175m from E end	Limestone with Hema. veinlet	10	<1	5	100	120
TG138	MJT-1 175-177m from E end	Limestone with Hema. veinlet	12	<1	5	30	291
TG139	MJT-1 177-179m from E end	Limestone with Hema. veinlet	<10	<1	4	50	307
TG140	MJT-1 179-181m from E end	Limestone with Hema. veinlet	13	<1	5	60	225
TG141	MJT-1 181-183m from E end	Limestone with Hema. veinlet	<10	<1	6	90	295
TG142	MJT-1 183-185m from E end	Limestone with Hema. veinlet	13	<1	14	300	416

巻末資料 2　トレンチ調査岩石試料化学分析結果一覧表（2）

試料番号	採取位置	試料記載	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
TG143	MJT-1 185-187m from E end	Limestone with Hema. veinlet	<10	<1	8	120	264
TG144	MJT-1 187-189m from E end	Limestone with Hema. veinlet	<10	<1	4	140	243
TG145	MJT-1 189-191m from E end	Limestone with Hema. veinlet	<10	<1	4	80	256
TG201	MJT-2 60-62m from E end	Limestone with Hema. veinlet	16	<1	3	250	155
TG202	MJT-2 62-64m from E end	Limestone with Hema. veinlet	<10	<1	2	370	202
TG203	MJT-2 64-66m from E end	Limestone with Hema. veinlet	<10	<1	4	430	506
TG204	MJT-2 66-68m from E end	Limestone with Hema. veinlet	12	<1	3	190	187
TG205	MJT-2 68-70m from E end	Limestone with Hema. veinlet	<10	<1	3	160	215
TG206	MJT-2 70-72m from E end	Limestone with Hema. veinlet	13	<1	3	140	165
TG207	MJT-2 72-74m from E end	Limestone with Hema. veinlet	<10	<1	4	150	273
TG208	MJT-2 74-76m from E end	Limestone with Hema. veinlet	10	<1	5	260	251
TG209	MJT-2 76-78m from E end	Limestone with Hema. veinlet	<10	<1	3	190	255
TG210	MJT-2 78-80m from E end	Limestone with Hema. veinlet	<10	<1	4	120	222
TG211	MJT-2 80-82m from E end	Limestone with Hema. veinlet	<10	<1	3	150	207
TG212	MJT-2 82-84m from E end	Limestone with Hema. veinlet	<10	<1	3	120	209
TG213	MJT-2 84-86m from E end	Limestone with Hema. veinlet	<10	<1	3	130	242
TG214	MJT-2 86-88m from E end	Limestone with Hema. veinlet	16	<1	3	70	201
TG215	MJT-2 88-90m from E end	Shear zone with Hematite	13	<1	7	250	427
TG216	MJT-2 90-92m from E end	Shear zone with Hematite	<10	<1	6	210	396
TG217	MJT-2 92-94m from E end	Shear zone with Hematite	10	<1	4	200	260
TG218	MJT-2 94-96m from E end	Shear zone with Hematite	<10	<1	3	160	245
TG219	MJT-2 96-98m from E end	Limestone with Hema. veinlet	<10	<1	4	160	220
TG220	MJT-2 98-100m from E end	Limestone with Hema. veinlet	<10	<1	4	160	311
TG221	MJT-2 100-102m from E end	Limestone with Hema. veinlet	<10	<1	8	130	389
TG222	MJT-2 102-104m from E end	Limestone with Hema. veinlet	<10	<1	16	320	460
TG223	MJT-2 104-106m from E end	Limestone with Hema. veinlet	<10	<1	5	160	259
TG224	MJT-2 106-108m from E end	Limestone with Hema. veinlet	<10	<1	2	210	175
TG225	MJT-2 108-110m from E end	Limestone with Hema. veinlet	<10	<1	3	70	72
TG226	MJT-2 110-112m from E end	Limestone with Hema. veinlet	<10	<1	3	50	61
TG227	MJT-2 112-114m from E end	Limestone with Hema. veinlet	<10	<1	3	30	54
TG228	MJT-2 114-116m from E end	Limestone with Hema. veinlet	<10	<1	11	200	327
TG229	MJT-2 116-118m from E end	Limestone with Hema. veinlet	<10	<1	4	50	259
TG230	MJT-2 118-120m from E end	Limestone with Hema. veinlet	<10	<1	4	40	300
TG301	MJT-3 118-120m from E end	Limestone with Hema. veinlet	<10	<1	2	120	70
TG302	MJT-3 116-118m from E end	Limestone with Hema. veinlet	<10	<1	2	70	80
TG303	MJT-3 114-116m from E end	Limestone with Hema. veinlet	<10	<1	3	20	80
TG304	MJT-3 112-114m from E end	Limestone with Hema. veinlet	<10	<1	8	80	135
TG305	MJT-3 110-112m from E end	Limestone with Hema. veinlet	<10	<1	3	20	73
TG306	MJT-3 108-110m from E end	Limestone with Hema. veinlet	<10	<1	5	50	125
TG307	MJT-3 106-108m from E end	Limestone with Hema. veinlet	<10	<1	13	150	286
TG308	MJT-3 104-106m from E end	Limestone with Hema. veinlet	<10	<1	3	20	73
TG309	MJT-3 102-104m from E end	Limestone with Hema. veinlet	<10	<1	5	70	184

巻末資料 2　トレンチ調査岩石試料化学分析結果一覧表（3）

試料番号	採取位置	試料記載	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
TG310	MJT-3 100-102m from E end	Limestone with Hema. veinlet	<10	<1	<1	20	64
TG311	MJT-3 98-100m from E end	Limestone with Hema. veinlet	<10	<1	<1	20	57
TG312	MJT-3 96-98m from E end	Limestone with Hema. veinlet	<10	<1	2	30	40
TG313	MJT-3 94-96m from E end	Limestone with Hema. veinlet	<10	<1	5	20	54
TG314	MJT-3 92-94m from E end	Limestone with Hema. veinlet	<10	<1	3	130	117
TG315	MJT-3 90-92m from E end	Limestone with Hema. veinlet	<10	<1	5	20	76
TG316	MJT-3 88-90m from E end	Limestone with Hema. veinlet	<10	<1	4	30	89
TG317	MJT-3 86-88m from E end	Limestone with Hema. veinlet	<10	<1	8	140	147
TG318	MJT-3 84-86m from E end	Limestone with Hema. veinlet	<10	<1	4	20	43
TG319	MJT-3 82-84m from E end	Limestone with Hema. veinlet	<10	<1	3	30	84
TG320	MJT-3 80-82m from E end	Limestone with Hema. veinlet	<10	<1	3	40	92
TG321	MJT-3 78-80m from E end	Limestone with Hema. veinlet	<10	<1	2	50	192
TG322	MJT-3 76-78m from E end	Limestone with Hema. veinlet	<10	<1	3	60	193
TG323	MJT-3 74-76m from E end	Limestone with Hema. veinlet	<10	<1	2	70	96
TG324	MJT-3 72-74m from E end	Limestone with Hema. veinlet	<10	<1	6	250	239
TG325	MJT-3 70-72m from E end	Limestone with Hema. veinlet	<10	<1	5	210	240

巻末資料 3　ボーリング調査鉱石試料化学分析結果一覧表

試料番号	採取位置	試料記載	Au (g/t)	Ag (g/t)	Cu (%)	Pb (%)	Zn (%)
BA201	MJVS-2, 208.0 m	Hematite-geothite veinlet	<0.4	1	<0.01	0.05	0.16
BA301	MJVS-3, 17.3 - 17.7 m	Hematite-goethite vein	0.4	<1	<0.01	0.04	0.09
BA302	MJVS-3, 26.0 - 26.5 m	Hematite-goethite vein	0.4	1	<0.01	0.04	0.02
BA303	MJVS-3, 70.0 - 70.1 m	Goethite-hematite vein	0.4	<1	<0.01	0.01	0.01
BA304	MJVS-3, 87.3 - 88.2 m	Limonite vein	0.4	1	<0.01	0.06	0.10
BA305	MJVS-3, 85.9 m	Hematite veinlet	0.4	<1	<0.01	0.04	0.02

巻末資料 4　ボーリング調査岩石試料分析結果一覧表

試料番号	採取位置	試料記載	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
BG201	MJVS-2, 84.5 - 85.5 m	Siltstone	58	<1	81	71	231
BG202	MJVS-2, 85.5 - 86.5 m	Siltstone / fine sandstone	86	<1	107	40	291
BG203	MJVS-2, 86.5 - 87.5 m	Fine sandstone	72	<1	90	22	99
BG204	MJVS-2, 87.5 - 88.5 m	Fine sandstone	40	<1	52	13	73
BG205	MJVS-2, 88.5 - 89.5 m	Fine sandstone	67	<1	49	13	98
BG206	MJVS-2, 89.5 - 90.5 m	Fine sandstone	68	<1	57	22	136
BG207	MJVS-2, 90.5 - 91.5 m	Fine sandstone	61	<1	39	16	101
BG208	MJVS-2, 91.5 - 92.5 m	Siltstone / fine sandstone	196	<1	59	1841	943
BG209	MJVS-2, 92.5 - 93.5 m	Fine sandstone	84	<1	20	555	352
BG210	MJVS-2, 93.5 - 94.5 m	Fine sandstone	36	<1	28	196	341
BG211	MJVS-2, 112.0 - 114.0 m	Sheared limestone	13	1	15	610	474
BG212	MJVS-2, 114.0 - 116.4 m	Sheared limestone	16	<1	10	810	614
BG213	MJVS-2, 118.0 - 120.0 m	Sheared limestone	18	<1	10	500	223
BG214	MJVS-2, 120.0 - 122.0 m	Sheared limestone	11	1	10	350	251
BG215	MJVS-2, 122.0 - 124.0 m	Sheared limestone	13	1	26	150	104
BG216	MJVS-2, 124.0 - 126.0 m	Sheared limestone	16	1	13	210	153
BG217	MJVS-2, 126.0 - 128.0 m	Sheared limestone	21	1	9	190	118
BG218	MJVS-2, 128.0 - 130.0 m	Sheared limestone	11	<1	8	150	559
BG219	MJVS-2, 130.0 - 132.0 m	Sheared limestone	26	1	11	230	192
BG220	MJVS-2, 132.0 - 134.0 m	Sheared limestone	47	1	11	140	61
BG221	MJVS-2, 134.0 - 136.0 m	Sheared limestone	86	1	10	210	133
BG222	MJVS-2, 136.0 - 138.8 m	Sheared limestone	50	<1	11	210	122
BG223	MJVS-2, 152.0 - 153.7 m	Sheared limestone	52	<1	15	350	507
BG224	MJVS-2, 172.0 - 174.0 m	Sheared limestone	29	<1	11	140	250
BG225	MJVS-2, 174.0 - 176.0 m	Sheared limestone	62	<1	15	180	1322
BG226	MJVS-2, 176.0 - 178.0 m	Sheared limestone	23	<1	33	120	204
BG227	MJVS-2, 178.0 - 180.0 m	Sheared limestone	45	<1	15	80	258
BG228	MJVS-2, 180.0 - 182.0 m	Sheared limestone	36	<1	10	60	151
BG229	MJVS-2, 182.0 - 184.0 m	Sheared limestone	53	<1	12	110	691
BG230	MJVS-2, 184.0 - 186.0 m	Sheared limestone	35	<1	20	80	203
BG231	MJVS-2, 186.0 - 188.0 m	Sheared limestone	30	<1	78	50	198
BG232	MJVS-2, 188.0 - 189.0 m	Sheared limestone	28	<1	10	40	107
BG301	MJVS-3, 67.6 - 69.6 m	Sheared limestone	52	<1	37	260	276
BG302	MJVS-3, 69.6 - 70.0 m	Sheared limestone	162	<1	45	190	354
BG303	MJVS-3, 121.6 - 123.6 m	Sheared limestone	69	<1	15	110	205
BG304	MJVS-3, 123.6 - 125.6 m	Sheared limestone	27	<1	16	70	134
BG305	MJVS-3, 125.6 - 126.7 m	Sheared limestone	16	<1	13	70	169
BG306	MJVS-3, 136.2 - 138.2 m	Sheared limestone	18	<1	50	220	617
BG307	MJVS-3, 138.2 - 140.2 m	Sheared limestone	33	<1	32	180	569
BG308	MJVS-3, 140.2 - 142.5 m	Sheared limestone	28	<1	54	70	336
BG309	MJVS-3, 29.5 - 30.5 m	Sheared limestone	13	<1	9	320	164

巻末資料 5　ボーリング・コアの物性測定結果

試料番号	試料採取位置	試料名	Resistivity (ohm-m)	Chargiability (ms)
GP101	MJVS-1, 65.7 m	Calcareous fine sandstone	241	372.6
GP102	MJVS-1, 73.5 m	Limestone with Py disseml.	148	369.8
GP103	MJVS-1, 77.2 m	Calcareous fine sandstone	6,383	25.5
GP104	MJVS-1, 124.4 m	Fine sandstone	1,072	8.2
GP105	MJVS-1, 144.0 m	Calcareous fine sandstone	862	187.7
GP106	MJVS-1, 157.0 m	Limestone	11,222	11.9
GP201	MJVS-2, 142.0 m	Limestone	28,498	2.7
GP202	MJVS-2, 155.8 m	Limestone breccia	11,521	3.3
GP301	MJVS-3, 36.2 m	Limestone	19,816	3.1
GP302	MJVS-3, 107.4 m	Limestone breccia	9,866	5.2
GP303	MJVS-3, 176.3 m	Limestone	26,971	1.0
GP401	MJVS-4, 12.5 m	Calcareous mudstone	275	4.6
GP402	MJVS-4, 28.0 m	Calcareous mudstone	403	40.3
GP403	MJVS-4, 65.1 m	Calcareous mudstone	296	16.3
GP404	MJVS-4, 70.6 m	Limestone	1,120	79.6
GP405	MJVS-4, 114.0 m	Calcareous fine sandstone	14,344	52.6
GP406	MJVS-4, 120.8 m	Calcareous mudstone	112	70.5

巻末資料 6　ダイヤモンドビット使用実績

Item	Size	Bit No.	Drilling Meterage				Total (m)
			MJVS-1	MJVS-2	MJVS-3	MJVS-4	
Diamond Bit	NQ	10001	8.00				8.00
		10002			9.60		9.60
		10003			17.30		17.30
		Total	8.00		26.90		34.90
		Drilling Length/Bit 11.6m					

巻末資料 7　ボーリング調査使用機材一覧表

Drilling Machine Model "L-38"			1 set
Specifications:			
Capacity			575m(NQ), 725m(BQ)
Dimension L x W x H			2,440mm x 1,070mm x 1,450mm
Hoisting capacity			3,000kg
Spindle speed			236, 490, 900, 1,510rpm
Engine model "Deutz 4FL"			60hp
Drilling Machine Model "SBK-4"			3 set
Specifications:			
Capacity			300m(NQ), 500m(BQ)
Dimension L x W x H			5,200mm x 1,050mm x 1,300mm
Hoisting capacity			2,500kg
Spindle speed			280, 640, 710, 1,600rpm
Engine model "Deutz 4FL"			55hp
Drilling Pump Model "NB3-120/40"			6 sets
Specifications:			
Piston diameter and Stroke			60mm, 90mm
Discharge capacity			120 liter/min at 40kg/cm^2
Dimension L x W x H			1,050mm x 600mm x 550mm
Engine model "D12"			12hp
Drilling Pump Model "11GRI"			1 set
Specifications:			
Piston diameter and Stroke			100mm, 150mm
Discharge capacity			300 liter/min at 63kg/cm^2
Dimension L x W x H			1,500mm x 900mm x 1,000mm
Engine model "D50"			50hp
Generator Model "G200/6.5"			4 sets
Specifications:			
Capacity			6.5kw 50hz 220/380v
Derrick for L-38			
Specifications:			
Height and Max load capacity			8.5m, 10,000kg
Derrick for SBK-4			
Specifications:			
Height and Max load capacity			7.5m, 12,000kg
Drilling tools			
Drilling rod	$2^1/_2$"	6.0m	95 pcs
	$2^1/_2$"	3.0m	35 pcs
Drilling rod	NQ-WL	6.0m	8 pcs
	NQ-WL	3.0m	220 pcs
Casing pipe	127mm	1.0m	5 pcs
	127mm	1.5m	5 pcs
	127mm	6.0m	25 pcs
Casing pipe	108mm	1.0m	20 pcs
	108mm	1.5m	8 pcs
	108mm	6.0m	60 pcs
Casing pipe	89mm	1.0m	10 pcs
	89mm	1.5m	5 pcs
	89mm	6.0m	45 pcs

巻末資料 8　消耗品使用明細

Description	Specifications	Unit	Quantity				
			MJVS-1	MJVS-2	MJVS-3	MJVS-4	Total
Light oil		liter	2,300	2,200	1,800	1,200	7,500
Hydraulic oil		liter	40	60	50	40	190
Engine oil		liter	60	80	65	60	265
Greas		kg	5	7	6	5	23
Bentonite		kg	65,000	50,000	35,000	8,000	158,000
C.M.C.		kg	400	360	280	100	1,140
Cement		kg	2,200	2,200	1,000	1,000	6,400
Diamond bit	NQ-WL,NQ	pc	1		2		3
Diamond reamer	NQ-WL	pc	1				1
Metal bit	132 mm	pc	4	6	15	5	30
Metal bit	110 mm	pc	60	65	68	50	243
Metal bit	91 mm	pc	45	50	53	35	183
Metal bit	76 mm	pc	50	30	35	20	135
Metal bit	59 mm	pc	25				25
Metal Bit	NQ-WL	pc	2		1		3
Core barrel Ass'y	NQ-WL	set	2	2	1		5
Inner tube Ass'y	NQ-WL	set	3	2	1		6
Inner tube	NQ-WL	pc	2	1	1		4
Core lifter case	NQ-WL	pc	2	2	1		5
Core lifter	NQ-WL	pc	3	1	1		5
Single core tube	108 mm	pc	6	5	6	3	20
Double core tube	108 mm	pc	3	4	4	2	13
Single core tube	89 mm	pc	10	13	12	6	41
Double core tube	89 mm	pc	4	6	6	3	19
Single core tube	74 mm	pc	10	8	7	3	28
Double core tube	74 mm	pc	3				3
Chuck piece		pc	8	8	8	8	32
Hoisting wire rope		meter	50	48	48	48	194
Wireline rope		meter	500	500			1,000
Core box		box	34	43	43	32	152
Water pipe		meter	1,300	300	1,000	1,000	3,600

巻末資料 9　作業時間総括表

Hole No.	Bit Size	Drilling		Shift		Man Working		Working Time							
		Drilling Length	Core Length	Drilling	Total	Engineer	Worker	Drilling	Other Works	Recovering	Total	Assemblage	Dismantlement	Transportation	Grand Total
		m	m	shift	shift	men	men	hours	hours	hours	hours	hours	hours	hours	hours
MJVS-1	112 mm	31.50	27.20	7	7	10	14	22	74		96	48	8		152
	91 mm	51.00	42.15	23	34	46	68	50	152	30	232				232
	76 mm	83.90	54.20	42	83	100	168	87	497	80	664				664
	Total	166.40	123.55	72	124	156	250	159	723	110	992	48	8		1048
MJVS-2	112 mm	72.00	66.40	19	21	25	38	51	137	28	216	56	16		288
	91 mm	135.00	90.50	54	80	113	178	133	387	64	584				584
	76 mm	3.00	1.70	2	7	7	14	3	61		64				64
	Total	210.00	158.60	75	108	145	230	187	585	92	864	56	16		936
MJVS-3	112 mm	16.10	13.60	4	4	6	8	17	10		27	48	16		91
	91 mm	157.30	102.35	52	70	83	140	137	368	96	601				601
	76 mm	32.90	17.80	10	17	22	34	25	27	48	100				100
	Total	206.30	133.75	66	91	111	182	179	405	144	728	48	16		792
MJVS-4	112 mm	60.00	48.40	13	15	18	30	36	60	16	112	88	16		216
	91 mm	82.00	56.20	28	40	49	82	65	175	96	336				336
	76 mm	18.00	9.30	3	3	4	6	9	15		24				24
	Total	160.00	113.90	44	58	71	118	110	250	112	472	88	16		576

巻末資料10　掘進作業実績表（MJVS-1）

MJVS-1

Date	Drilling Length			Total Drilling Length	Core Length	Shift		Working Man	
	Shift 1 (m)	Shift 2 (m)	Shift 3 (m)	(m)	(m)	Drilling (shift)	Total (shift)	Engineer (man)	Worker (man)
10/14	Assemb						1	3	4
10/15	Assemb						1	2	4
10/16	Assemb						1	3	4
10/17	Assemb						1	3	4
10/18	Assemb						1	2	4
10/19	Assemb						1	2	4
10/20	2.00	4.00		6.00	4.55	2	2	3	4
10/21	9.00	7.00		16.00	14.85	2	2	3	4
10/22	3.00	5.00		8.00	6.50	2	2	2	4
10/23	1.50	Casing		1.50	1.30	1	2	3	4
10/24	Casing	Casing					2	3	4
10/25	Casing	Casing					2	2	4
10/26	0.80	Repair		0.80	0.60	1	2	2	4
10/27	1.70	3.00		4.70	4.40	2	2	3	4
10/28	0.40	2.10		2.50	2.20	2	2	3	4
10/29	0.50	1.70		2.20	1.65	2	2	2	4
10/30									
10/31									
11/1	3.00	1.30		4.30	3.20	2	2	2	4
11/2	0.70	3.30		4.00	3.20	2	2	2	4
11/3	2.50	2.50		5.00	3.90	2	2	3	4
11/4									
11/5	1.00	5.00		6.00	5.20	2	2	3	4
11/6	5.00	3.00		8.00	6.10	2	2	3	4
11/7	3.00	1.50		4.50	3.70	2	2	2	4
11/8	2.50			2.50	2.10	1	1	2	2
11/9									
11/10		Casing					1	3	2
11/11	Casing	Recover					2	3	4
11/12	Recover	1.50		1.50	1.10	1	2	2	4
11/13	2.50			2.50	2.10	1	1	3	2
11/14									
11/15	2.50	Casing		2.50	2.50	1	2	2	4
11/16	2.50	0.50		3.00	2.30	2	2	2	4
11/17	2.20	2.80	2.50	7.50	6.30	3	3	4	6
11/18	2.00	3.00	1.50	6.50	5.20	3	3	3	6
11/19	Clean	0.50	Repair	0.50	0.50	1	3	3	6
11/20	Repair						1	4	6
11/21	Repair	Clean	3.50	3.50	2.50	1	3	4	6
11/22	Clean	2.00	1.50	3.50	1.40	2	3	3	6
11/23	1.50	1.50	Repair	3.00	1.50	2	3	3	6
11/24	Repair	Clean	Clean				3	4	6
11/25	Clean	Clean	2.00	2.00	0.00	1	3	3	6
11/26		1.00		1.00	0.50	1	1	2	2
11/27									
11/28	0.30	1.70		2.00	0.70	2	2	3	4
11/29		1.50	Trouble	1.50	0.00	1	2	2	4
11/30	Recover	1.50	6.50	8.00	6.40	2	3	3	6
12/1	Clean	0.70	0.80	1.50	1.10	2	3	4	6
12/2	Prepar	1.00	2.00	3.00	2.50	2	3	3	6
12/3		3.00	2.50	5.50	4.00	2	2	2	4
12/4	1.50	2.50	3.00	7.00	1.70	3	3	4	6
12/5	2.50	3.00		5.50	3.30	2	2	3	4
12/6									
12/7	2.50	4.10	2.40	9.00	8.00	3	3	3	6
12/8	2.00	Clean	Clean	2.00	1.50	1	3	4	6
12/9	4.50	Clean	Clean	4.50	2.20	1	3	3	6
12/10	1.20	Clean	0.50	1.70	1.10	2	3	3	6
12/11	0.80	Clean	Trouble	0.80	0.50	2	3	3	4
12/12	Clean	Cement					2	3	4
12/13									
12/14									
12/15	Clean	Clean	1.40	1.40	1.00	1	3	4	6
12/16	Clean	Clean	Clean				3	3	6
12/17	Clean	Clean					2	2	4
12/18	Clean	Clean	Clean				3	4	6
12/19	Clean	Clean	Clean				3	4	6
12/20	Clean	Clean	Clean				3	3	6
12/21	Clean						1	2	2
12/22									
12/23									
12/24	Dismant						1	4	6
Total				166.40	123.55	72	131	175	280

Abbreviation

Assemb : Assemblage　　Clean : Clean out the hole　　Recover : Recovery from trouble
Casing : Insert casing　　Dismant : Dismantlement　　Repair : Repair drilling equipment
Cement : Cementing　　Prepar : Preparation　　Setup : Repair drilling equipment

巻末資料11　掘進作業実績表（MJVS-2）

MJVS-2

Date	Drilling Length			Total Drilling Length	Core Length	Shift		Working Man	
	Shift 1 (m)	Shift 2 (m)	Shift 3 (m)	(m)	(m)	Drilling (shift)	Total (shift)	Engineer (man)	Worker (man)
10/15	Assemb						1	3	6
10/16	Assemb						1	4	6
10/17	Assemb						1	4	6
10/18	Assemb						1	3	6
10/19	Assemb						1	3	6
10/20	Assemb						1	4	6
10/21	Assemb	5.00		5.00	4.40	1	2	3	6
10/22	8.90	1.10		10.00	9.90	2	2	2	4
10/23	Repair						1	2	2
10/24	Repair						1	2	2
10/25	9.00	4.40		13.40	13.20	2	2	2	4
10/26	3.00	4.60		7.60	6.90	2	2	2	4
10/27	3.00	4.60	4.40	12.00	11.40	3	3	4	6
10/28	2.50	2.30	1.20	6.00	5.20	3	3	3	6
10/29	3.00	3.50	3.10	9.60	7.90	3	3	3	6
10/30	3.50	2.90	2.00	8.40	7.50	3	3	4	6
10/31									
11/1	Clean						1	2	2
11/2	Casing						1	1	2
11/3	Clean						1	2	2
11/4	Recover						1	2	2
11/5	5.70	2.90	0.60	9.20	4.30	3	3	3	6
11/6	2.10	3.40	2.30	7.80	6.20	3	3	4	6
11/7	2.00	1.00		3.00	2.20	2	2	3	4
11/8									
11/9									
11/10		3.40	2.00	5.40	4.70	2	2	3	4
11/11	1.20			1.20	0.70	1	1	2	2
11/12	1.40	1.00	1.00	3.40	2.30	3	3	3	6
11/13	3.40			3.40	3.30	1	2	3	4
11/14									
11/15	Clean	1.60		1.60	0.90	1	3	3	6
11/16	1.50	1.00	1.50	4.00	3.10	3	3	3	6
11/17	Repair	Clean	Cement				3	4	6
11/18									
11/19	Cement	Cement	0.50	0.50	0.50	1	3	3	6
11/20	Clean	Trouble					2	3	4
11/21	Recover						1	2	2
11/22	Trouble						1	2	2
11/23									
11/24									
11/25									
11/26									
11/27	Recover						1	3	4
11/28	Recover						1	3	4
11/29	Recover						1	2	4
11/30	Recover						1	2	4
12/1	Recover						1	3	4
12/2	Recover						1	3	4
12/3									
12/4	Recover						1	3	4
12/5	Recover						1	3	4
12/6									
12/7	Clean	0.50	2.00	2.50	2.10	2	3	3	6
12/8	2.00	1.30	1.70	5.00	3.70	3	3	4	6
12/9	3.00	3.80	3.80	10.60	5.70	3	3	3	6
12/10	1.40	2.00	2.20	5.60	4.40	3	3	3	6
12/11	3.60	3.20	3.00	9.80	6.30	3	3	4	6
12/12	1.50	2.20	1.30	5.00	2.00	3	3	4	6
12/13	Trouble	3.70	2.30	6.00	3.50	2	2	2	4
12/14	3.00	5.00	4.00	12.00	7.20	3	3	3	6
12/15	1.00	5.00	4.00	10.00	5.30	3	3	4	6
12/16	4.50	3.10	5.10	12.70	8.80	3	3	3	6
12/17	2.30	3.50	1.70	7.50	5.90	3	3	3	6
12/18	3.50	2.80	2.50	8.80	7.40	3	3	4	6
12/19	Clean	2.00	Clean	2.00	1.20	1	3	4	6
12/20	Clean	Clean	1.00	1.00	0.50	1	3	3	6
12/21	Clean	Clean					2	3	4
12/22									
12/23									
12/24	Dismant						1	4	6
12/25	Dismant						1	4	6
Total				210.00	158.60	75	117	176	284

Abbreviation

Assemb : Assemblage　　Clean : Clean out the hole　　Recover : Recovery from trouble
Casing : Insert casing　　Dismant : Dismantlement　　Repair : Repair drilling equipment
Cement : Cementing　　Prepar : Preparation　　Setup : Repair drilling equipment

巻末資料12　掘進作業実績表（MJVS-3）

MJVS-3

Date	Drilling Length			Total Drilling Length	Core Length	Shift		Working Man	
	Shift 1 (m)	Shift 2 (m)	Shift 3 (m)	(m)	(m)	Drilling (shift)	Total (shift)	Engineer (man)	Worker (man)
11/9	Assemb						1	2	4
11/10	Assemb						1	2	4
11/11	Assemb						1	2	4
11/12	Assemb						1	2	4
11/13	Assemb						1	2	4
11/14									
11/15	Assemb						1	2	4
11/16	4.00	3.00	7.00	14.00	11.50	3	3	3	6
11/17	6.70	4.00	4.30	15.00	8.70	3	3	4	6
11/18	4.00	3.00	3.20	10.20	6.20	3	3	3	6
11/19	0.80	Reaming	Trouble	0.80	0.40	1	3	4	6
11/20	Repair						1	2	2
11/21	Repair	Reaming	Reaming				3	4	6
11/22	4.00	9.50	1.50	15.00	9.30	3	3	3	6
11/23	3.00	4.00	4.60	11.60	8.70	3	3	3	6
11/24	5.40	5.00	3.40	13.80	11.60	3	3	4	6
11/25	5.00	2.50	Repair	7.50	5.80	2	3	3	6
11/26	Repair	4.60	3.50	8.10	7.20	2	3	3	6
11/27	Repair	4.00	3.50	7.50	3.40	2	3	4	6
11/28	Repair	3.90		3.90	3.20	1	2	3	4
11/29	0.90	1.00	Trouble	1.90	1.40	2	3	3	6
11/30	Repair						1	2	2
12/1	Prepar	1.50	Prepar	1.50	1.00	1	3	4	6
12/2	Prepar	Prepar	0.20	0.20	0.00	1	3	3	6
12/3	Repair	4.10	4.00	8.10	3.00	2	3	3	6
12/4	1.00	1.50	Trouble	2.50	1.70	2	3	4	6
12/5	1.80	0.70		2.50	1.20	2	2	3	4
12/6									
12/7	2.60	5.00	4.50	12.10	7.50	3	3	3	6
12/8	Repair	4.00	2.30	6.30	4.70	2	3	4	6
12/9	2.00	1.50	2.40	5.90	2.15	3	3	3	6
12/10	1.80	5.00	3.20	10.00	7.10	3	3	3	6
12/11	5.30			5.30	4.00	1	1	2	2
12/12			3.00	3.00	2.10	1	1	2	2
12/13	2.50	2.20	2.00	6.70	4.10	3	3	3	6
12/14	Clean	Clean					2	2	4
12/15	Casing						1	2	2
12/16	1.60		3.10	4.70	1.90	2	2	2	4
12/17		4.30	1.00	5.30	3.30	2	2	2	4
12/18	Repair	Repair	5.30	5.30	4.50	1	3	4	6
12/19	Clean	6.80	3.10	9.90	4.70	2	3	4	6
12/20	1.40	2.30		3.70	1.00	2	2	3	4
12/21	4.00	Jamming		4.00	2.40	1	2	2	4
12/22	Recover						1	2	2
12/23	Recover	Recover					2	3	4
12/24	Dismant						1	4	6
12/25	Dismant						1	4	6
Total				206.30	133.75	62	99	131	218

Abbreviation

Assemb : Assemblage　　Clean : Clean out the hole　　Recover : Recovery from trouble
Casing : Insert casing　　Dismant : Dismantlement　　Repair : Repair drilling equipment
Cement : Cementing　　Prepar : Preparation　　Setup : Repair drilling equipment

巻末資料13　掘進作業実績表（MJVS-4）

MJVS-4

Date	Drilling Length			Total Drilling Length	Core Length	Shift		Working Man	
	Shift 1 (m)	Shift 2 (m)	Shift 3 (m)	(m)	(m)	Drilling (shift)	Total (shift)	Engineer (man)	Worker (man)
11/18	Assemb						1	2	2
11/19	Assemb						1	1	2
11/20	Assemb						1	2	2
11/21	Assemb						1	2	2
11/22	Assemb						1	2	2
11/23	Assemb						1	1	2
11/24	Assemb						1	2	2
11/25	Assemb						1	2	2
11/26	Assemb						1	2	4
11/27	Assemb						1	2	4
11/28	Assemb						1	3	6
11/29	10.00	4.50	Trouble	14.50	13.00	2	3	3	6
11/30	4.00	3.70	3.80	11.50	7.30	3	3	3	6
12/1	6.00	4.00	6.00	16.00	13.20	3	3	4	6
12/2	Repair	2.00		2.00	1.60	1	2	3	4
12/3	4.50	4.80	3.70	13.00	10.50	3	3	3	6
12/4	3.00	1.90	2.10	7.00	6.30	3	3	4	6
12/5	3.70	3.80	4.00	11.50	8.50	3	3	4	6
12/6	1.50	3.00	Trouble	4.50	3.00	2	3	3	6
12/7	Repair	3.00	2.00	5.00	4.00	2	3	3	6
12/8	7.00	4.40	3.60	15.00	9.40	3	3	4	6
12/9	0.70	2.30		3.00	2.10	2	2	3	4
12/10	3.00	2.00	2.70	7.70	4.90	3	3	3	6
12/11	Repair	2.50	2.00	4.50	2.70	2	3	4	6
12/12	1.10	2.50	2.20	5.80	4.00	3	3	4	6
12/13	Repair	1.40	3.30	4.70	2.70	2	3	3	6
12/14	3.00	3.30	1.70	8.00	5.60	3	3	3	6
12/15	4.30	Trouble		4.30	3.50	1	2	3	4
12/16		Repair	Repair				2	2	4
12/17	Recover	Recover					2	2	4
12/18									
12/19									
12/20									
12/21	Recover	Recover					2	3	4
12/22	Repair	4.00	6.20	10.20	5.90	2	3	4	6
12/23	5.40	6.40		11.80	5.70	2	2	3	4
12/24	Dismant						1	4	6
12/25	Dismant						1	4	6
Total				160.00	113.90	45	72	100	160

Abbreviation

Assemb : Assemblage　　Clean : Clean out the hole　　Recover : Recovery from trouble

Casing : Insert casing　　Dismant : Dismantlement　　Repair : Repair drilling equipment

Cement : Cementing　　Prepar : Preparation　　Setup : Repair drilling equipment

巻末資料14　掘進成績総括表（MJVS-1）

	Survey period			Total man day	
	Period	Days	Work day	Off day	Engineer	Worker
Operation			days	days	men	men
Preparation	14.10.1995 - 19.10.1995	6	6		15	24
Drilling	20.10.1995 - 21.12.1995	63	Drilling 44 Recovering 10	9	136 20	222 28
Removing	22.12.1995 - 24.12.1995	3	1	2	4	6
Total		72	61	11	175	280

Drilling Length			
Length planned	166.00m	Overburden	0.00m
Increase or Decrease in length		Core length	123.55m
Length drilled	166.40m	Core recovery	74.2%

Core recovery of 100m hole

Depth of hole (m)	Core recovery (%)	Core recovery cumulated (%)
0.00 - 100.00	83.7	83.7
100.00 - 166.40	60.1	74.2

Working hours	h	%	%
Drilling	159	16.6	15.3
Other working	723	72.9	68.9
Recovering	110	11.1	10.5
Total	992	100.0	94.7
Assemblage	48		4.6
Dismantlement	8		0.7
Water transportation .			
Road construction and transportation			
Grand total	1,048		100.0

Efficiency of drilling

Total m / work period (m/day)	166.40m/61days (2.73 m / day)
Total m / work shift (m/shift)	166.40m/124shifts (1.34 m / shift)

Drilling length/bit (each sized bit)

Bit size	112 mm	91 mm	76 mm
Drilled length	31.50	51.00	83.90
Core length	27.20	42.15	54.20

Casing pipe inserted

Size	Meterage (m)	Meterage drilling X 100 / length (%)	Recovery (%)
127mm			
108mm	61.0	36.7	0.0
89mm	82.5	49.6	0.0

巻末資料15　掘進成績総括表（MJVS-2）

	Survey period			Total man day	
	Period	Days	Work day	Off day	Engineer	Worker
Operation			days	days	men	men
Preparation	16.10.1995 - 20.10.1995	5	5		23	38
Drilling	21.10.1995 - 21.12.1995	62	Drilling 36 Recovering 15	11	119 24	196 38
Removing	22.12.1995 - 25.12.1995	4	2	2	8	12
Total		71	58	13	176	284

Drilling Length			
Length planned	210.00 m	Overburden	13.70m
Increase or Decrease in length		Core length	158.60m
Length drilled	210.00 m	Core recovery	75.5%

Core recovery of 100m hole

Depth of hole (m)	Core recovery (%)	Core recovery cumulated (%)
0.00 - 100.00	85.9	85.9
100.00 - 210.00	66.1	75.5

Working hours	h	%	%
Drilling	187	21.6	20.0
Other working	585	67.7	62.5
Recovering	92	10.7	9.8
Total	864	100.0	92.3
Assemblage	56		6.0
Dismantlement	16		1.7
Water transportation			
Road construction and transportation			
Grand total	936		100.0

Efficiency of drilling

Total m / work period (m/day)	210.00m/51days (4.12 m / day)
Total m / work shift (m/shift)	210.00m/109shifts (1.93 m / shift)

Drilling length/bit (each sized bit)

Bit size	112 mm	91 mm	76 mm
Drilled length	72.00	135.00	3.00
Core length	66.40	90.50	1.70

Casing pipe inserted

Size	Meterage (m)	Meterage drilling X 100 / length (%)	Recovery (%)
127mm			
108mm	73.7	35.1	0.0
89mm			

巻末資料16　掘進成績総括表（MJVS-3）

	Survey period				Total man day	
	Period	Days	Work day	Off day	Engineer	Worker
Operation			days	days	men	men
Preparation	9.11.1995 - 15.11.1995	7	8	1	12	24
Drilling	16.11.1995 - 23.12.1995	38	Drilling 34 Recovering 3	1	89 22	146 36
Removing	24.12.1995 - 25.12.1995	2	2		8	12
Total		47	45	2	131	218

Drilling Length			
Length planned	206.00 m	Overburden	12.50m
Increase or Decrease in length		Core length	133.75m
Length drilled	206.30 m	Core recovery	64.8%

Core recovery of 100m hole

Depth of hole (m)	Core recovery (%)	Core recovery cumulated (%)
0.00 - 100.00	71.2	71.2
100.00 - 206.30	58.8	64.8

Working hours	h	%	%
Drilling	179	24.6	22.6
Other working	405	55.6	51.1
Recovering	144	19.8	18.2
Total	728	100.0	91.9
Assemblage	48		6.1
Dismantlement	16		2.0
Water transportation			
Road construction and transportation			
Grand total	792		100.0

Efficiency of drilling

Total m / work period (m/day)	206.30m/37days (5.58 m / day)
Total m / work shift (m/shift)	206.30m/91shifts (2.27 m / shift)

Drilling length/bit (each sized bit)

Bit size	112 mm	91 mm	74 mm	
Drilled length	16.00	157.40	32.90	
Core length	13.20	102.75	17.80	

Casing pipe inserted			
Size	Meterage (m)	Meterage drilling X 100 length (%)	Recovery (%)
127mm	44.0	21.3	0.0
108mm			
89mm	161.0	61.9	0.0

巻末資料17　掘進成績総括表（MJVS-4）

	Survey period			Total man day	
	Period	Days	Work day	Off day	Engineer	Worker
Operation			days	days	men	men
Preparation	18.11.1995 - 28.11.1995	11	11		21	30
Drilling	29.11.1995 - 23.12.1995	25	Drilling 19	3	54	90
			Recovering 3		17	28
Removing	24. 1.1995 - 25. 1.1995	2	2		8	12
Total		38	35	3	100	160

Drilling Length			
Length planned	160.00 m	Overburden	0.00m
Increase or Decrease in length		Core length	113.90m
Length drilled	160.0 m	Core recovery	71.2%

Core recovery of 100m hole

Depth of hole (m)	Core recovery (%)	Core recovery cumulated (%)
0.00 - 100.00	76.8	76.8
100.00 - 160.00	61.8	71.2

Working hours	h	%	%
Drilling	110	23.3	19.1
Other working	250	53.0	43.4
Recovering	112	23.7	19.4
Total	472	100.0	81.9
Assemblage	88		15.3
Dismantlement	16		2.8
Water transportation			
Road construction and transportation			
Grand total	576		100.0

Efficiency of drilling

Total m / work period (m/day)	160.00m/22days (7.23 m / day)
Total m / work shift (m/shift)	160.00m/ 59shifts (2.71 m / shift)

Drilling length/bit (each sized bit)

Bit size	112 mm	91 mm	76 mm
Drilled length	60.00	82.00	18.00
Core length	48.40	56.20	9.30

Casing pipe inserted

Size	Meterage (m)	Meterage drilling X 100 length (%)	Recovery (%)

巻末資料18　岩石薄片検鏡結果

Sample Number	Sample Location	Rock Name	Texture	Minerals												
				Fragments									Matrix			
				Qz	Fl	Bi	Cc	Zi	To	Lm	Sh	Qt	Cl	Cc	Qz	Op
TT101	150 m from E end of MJT-1	Quartz Wacke	Clastic	◎		・		・	・		△		◎			
TT102	202 m from E end of MJT-1	Micrite	Aphanitic											◎	・	
TT103	Surface of MJVS-1	Black mudstone	Clastic	・									◎		△	
TT201	124 m from E end of MJT-2	Limestone breccia		△						◎				◎	△	
TT301	93 m from E end of MJT-3	Fine limestone					◎									
TT302	60 m from E end of MJT-3	Fine limestone					◎									
TT303	400 m west of MJVS-4	Shale	Clastic										◎		・	
TT304	450 m west of MJVS-4	Fine sandstone	Clastic	◎								△	◎		△	
TT305	300 m southwest of MJVS-2	Mudstone	Clastic	◎									◎		○	○
TT306	1,250 m south of MJVS-2	Siltstone	Clastic	◎	・						・	・	◎			
TT307	400 m SSW of MJVS-2	Siltstone/mudstone	Clastic	◎		○							◎			
TT308	550 m south of MJVS-2	Silicified rock											・	・	◎	△
TT309	550 m south of MJVS-2	Medium sandstone	Clastic	◎						・		・	◎	△	・	・
TB101	MJVS-1 93.4 m	Siltstone	Clastic	◎	△	・						△		◎	△	
TB102	MJVS-1 93.5 m	Sandstone-Siltstone	Clastic	◎	△	△						△	△	◎	△	
BT201	MJVS-2 146.4 m	Limestone												◎	・	
BT301	MJVS-3 201.5 m	Calcite veinlet														
BT401	MJVS-4 74.0 m	Limestone												◎	・	
BT402	MJVS-4 75.5 m	Limy siltstone	Clastic	◎	・					○	・	・	△	◎		

Abbreviation

Qz:Quartz
Fl:Feldspar
Bi:Biotite
Cc:Carbonate
Zi:Zircon
To:Tourmaline
Lm:Limestone
Sh:Shale
Qt:Quartzite
Cl:Clay minerals
Op:Opaque minerals

◎:Abundant
○:Common
△:Few
・:Rare

巻末資料19　鉱石研磨片検鏡結果

Sample Number	Sample Location	Description	Ore Mineral							
			Py	As	Cp	Gn	Po	He	Li	Gr
TP101	94 m from E end of MJT-1	Silicified Vein	·		·			◎	◎	
TP102	163 m from E end of MJT-1	Massive Hematite	·						◎	
BP101	MJVS-1 79.0 m	Dissemination	△		△					·
BP102	MJVS-1 82.5 m	Dissemination	△	△	·	·	·			·
BP103	MJVS-1 93.5 m	Dissemination	○		△					·
BP401	MJVS-4 74.0 m	Dissemination	△		·	·				·
BP402	MJVS-4 75.5 m	Dissemination	△		·					·

Abbreviation

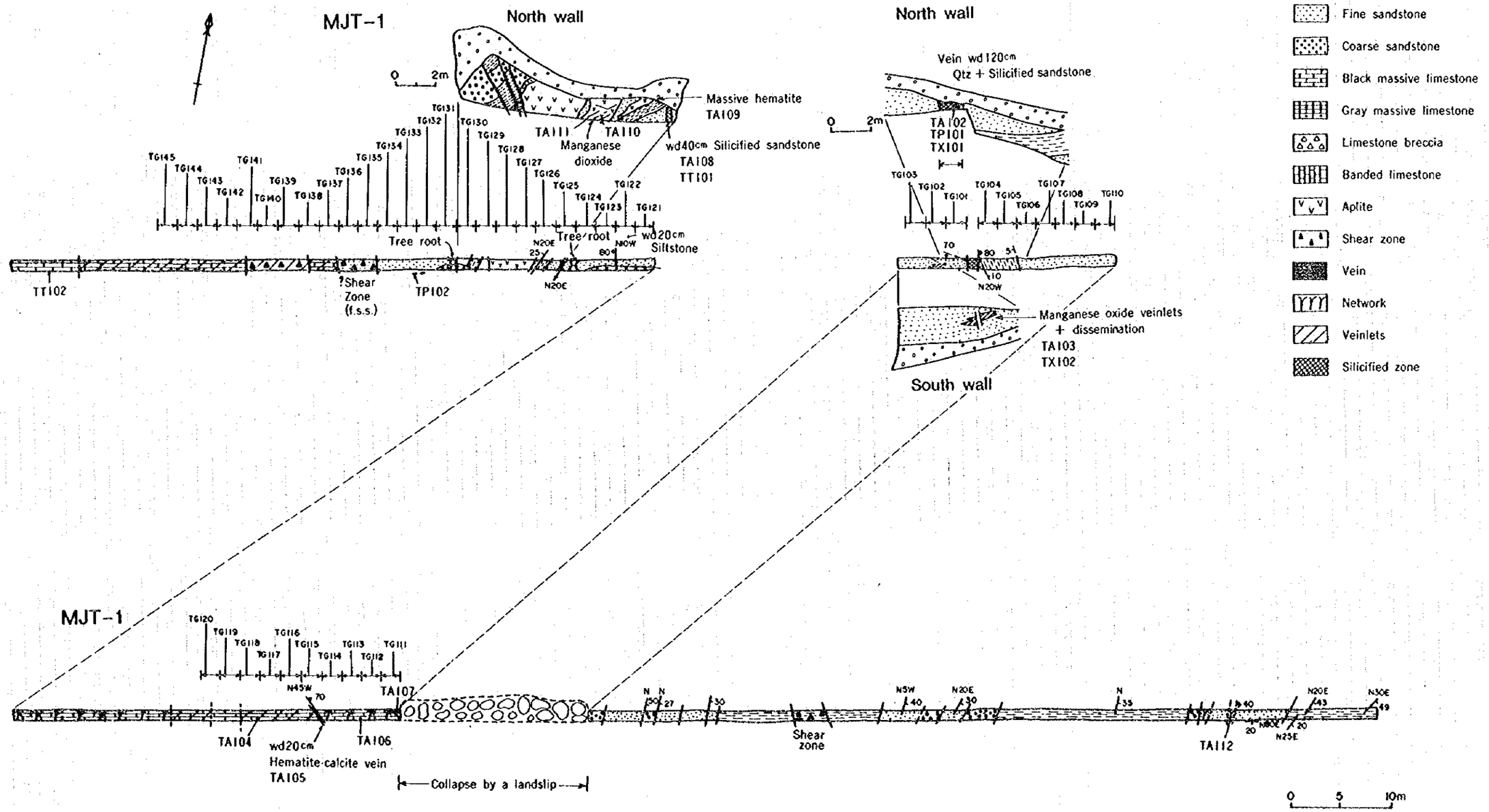
Py:Pyrite　Gn:Galena　Li:Limonite　◎:Abundant
As:Arsenopyrite　Po:Pyrohtite　Gr:Graphite　○:Common
Cp:Chalcopyrite　He:hematite　△:Few
·:Rare

巻末資料20　X線回折試験結果

Sample Number	Sample Location	Rock Name	Mineral							
			Qz	Fl	Mi	Ka	Ch	Cc	Do	Go
TX101	94 m from E end of MJT-1	Silicified sandstone	◎	○	△	△				
TX102	98 m from E end of MJT-1	Altered sandstone	◎	○	△	△				
TX201	39 m from E end of MJT-2	Oxidized Fe vein						◎	△	·
TX202	90 m from E end of MJT-2	Oxidized Fe vein						◎	△	·
TX203	196.5 m from E end of MJT-2	Oxidized Fe vein						◎	△	·
BX101	MJVS-1, 91.3 m	Clay with Py dissemi	◎		◎		○	△	○	
BX102	MJVS-1, 99.5 m	Clay with Py dissemi	○	○	◎		○	△	△	△
BX103	MJVS-1, 126.7 m	Shear zone	○	△	◎		△	·	·	△
BX104	MJVS-1, 141.5 m	Sheared calcite	◎	·	△		·		◎	·
BX105	MJVS-1, 146.9 m	Clay with Py-Qtz	○	△	○		○	○	△	
BX401	MJVS-4, 58.2 m	Clay	○	△	◎		△			
BX402	MJVS-4, 70.0 m	Phyllite			△		△	◎	△	

Abbreviations

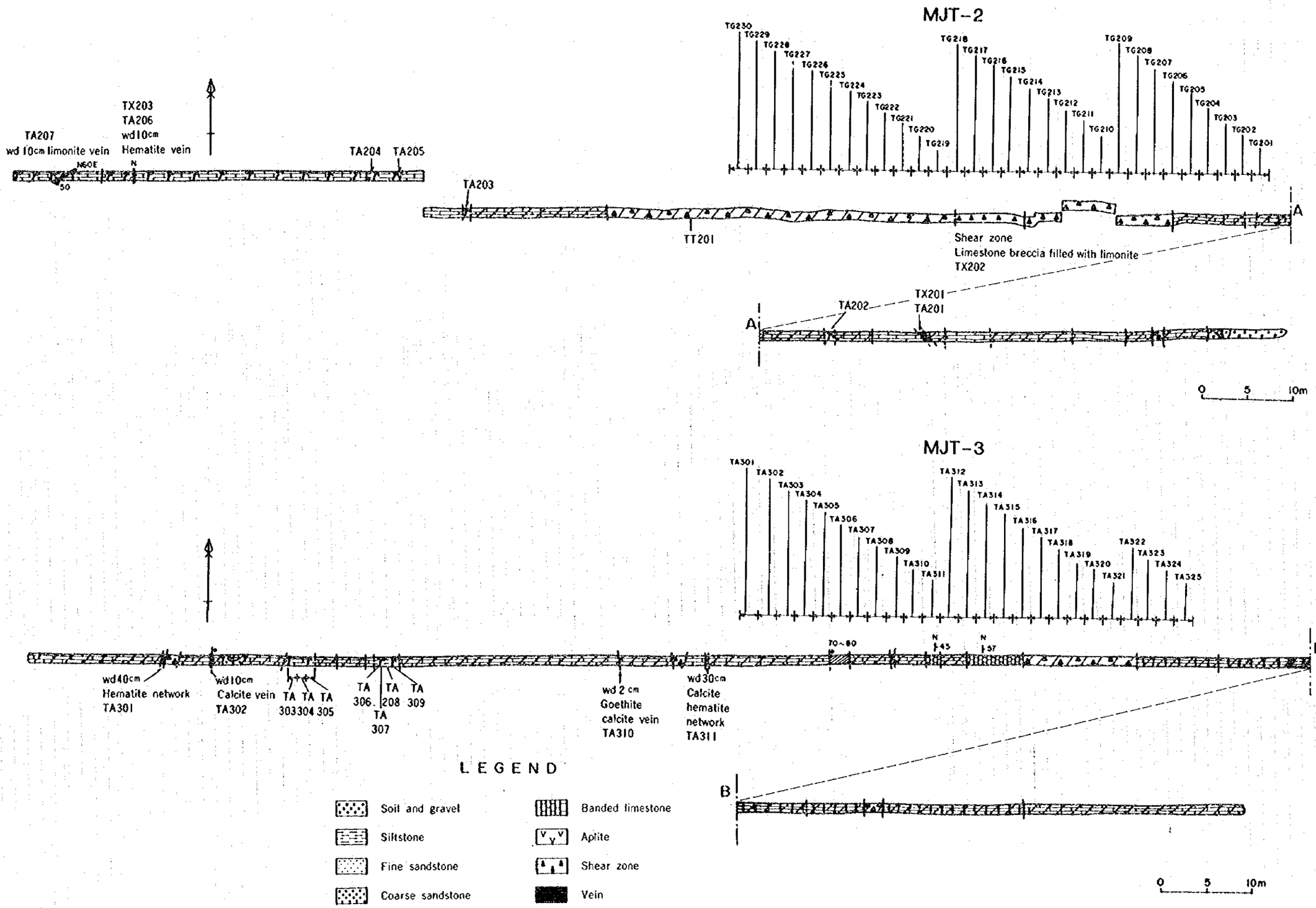
Qz:Quartz　Ch:Chlorite　◎:Abundant
Fl:Feldspar　Cc:Calcite　○:Common
Mi:Mica　Do:Dolomite　△:Few
Ka:Kaoline　Go:Goethite　·:Rare



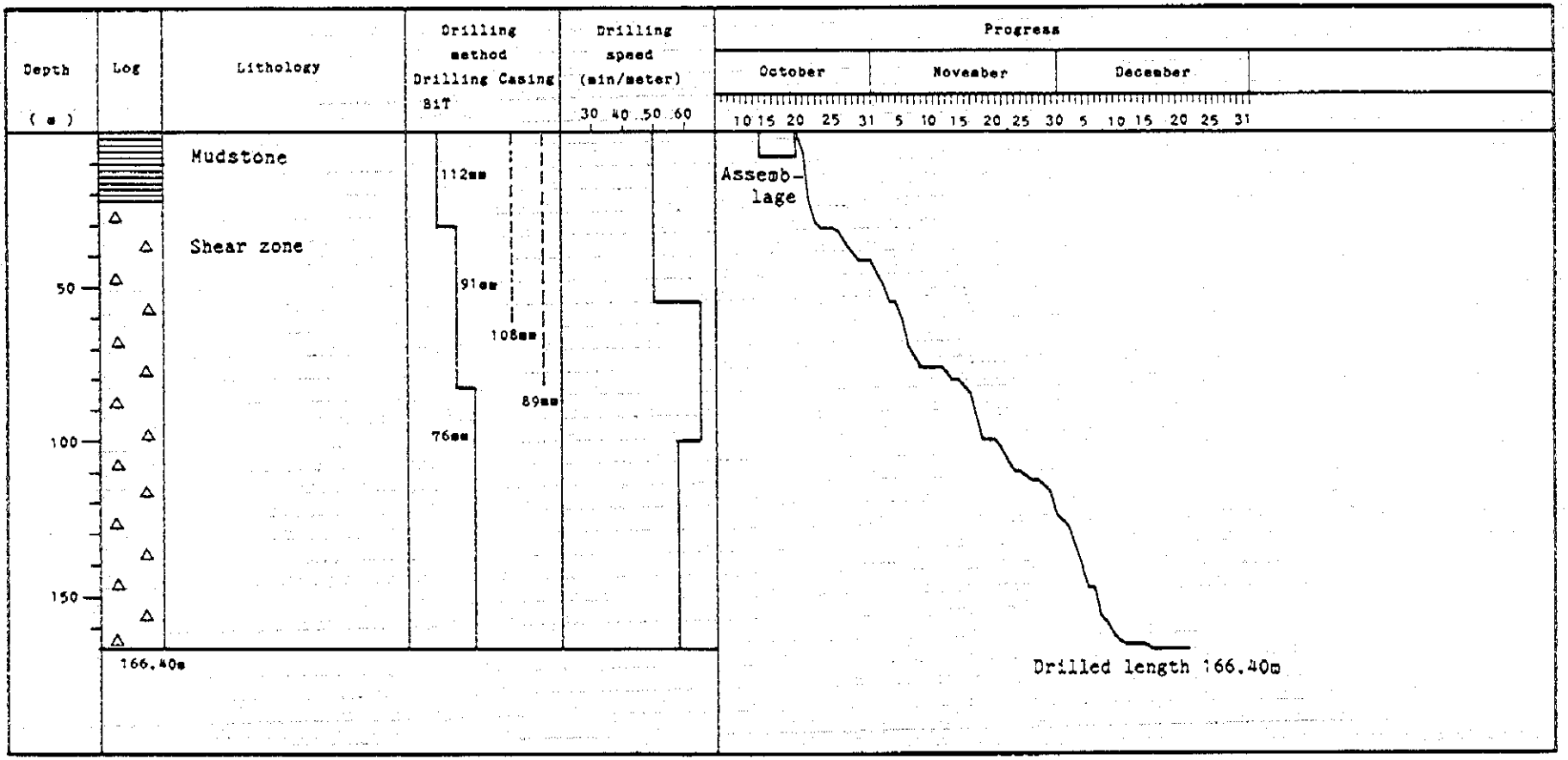
LEGEND

- Soil and gravel
- Siltstone
- Fine sandstone
- Coarse sandstone
- Black massive limestone
- Gray massive limestone
- Limestone breccia
- Banded limestone
- Aplite
- Shear zone
- Vein
- Network
- Veinlets
- Silicified zone

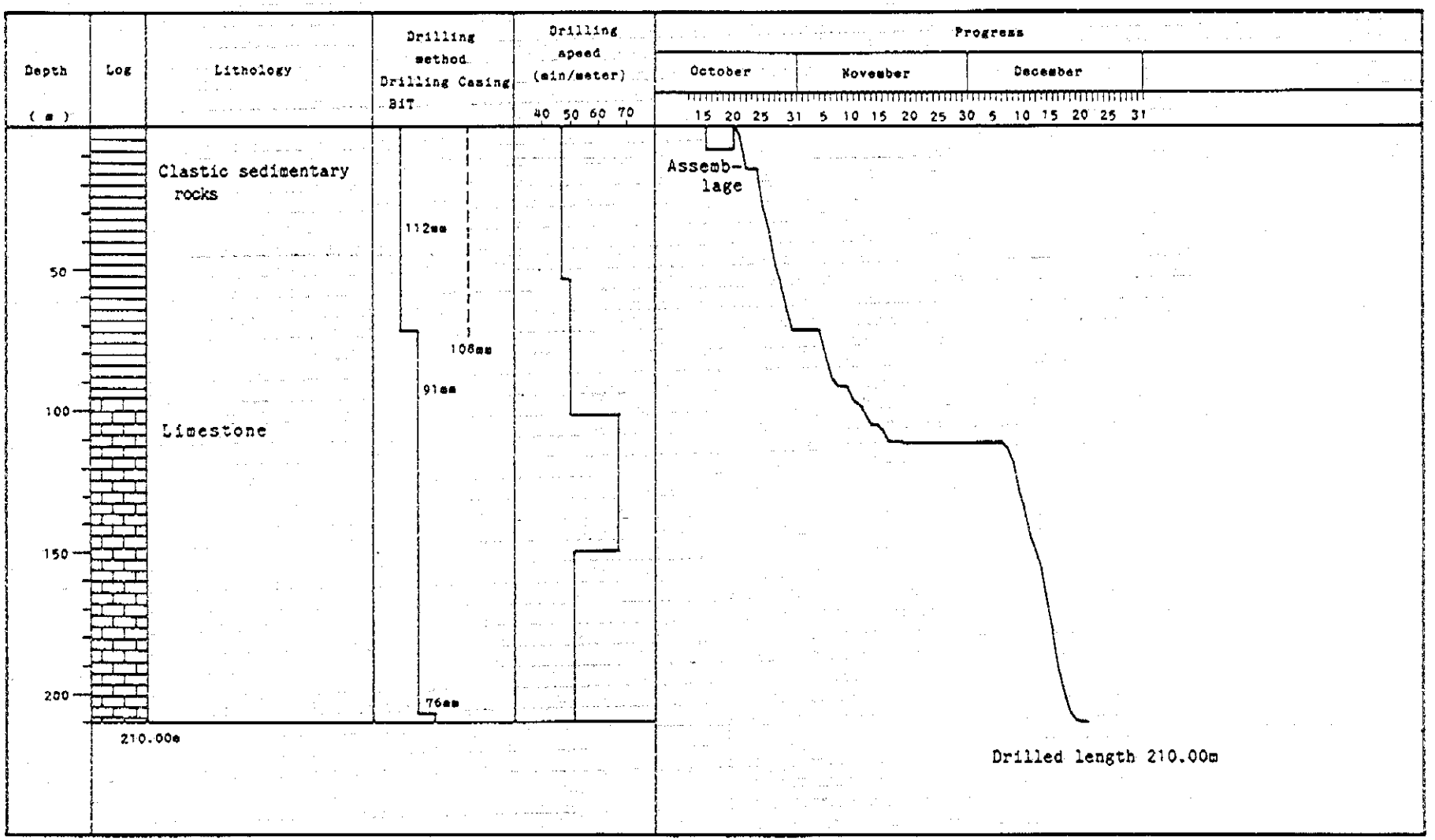
巻末資料21　トレンチ・スケッチ（1）



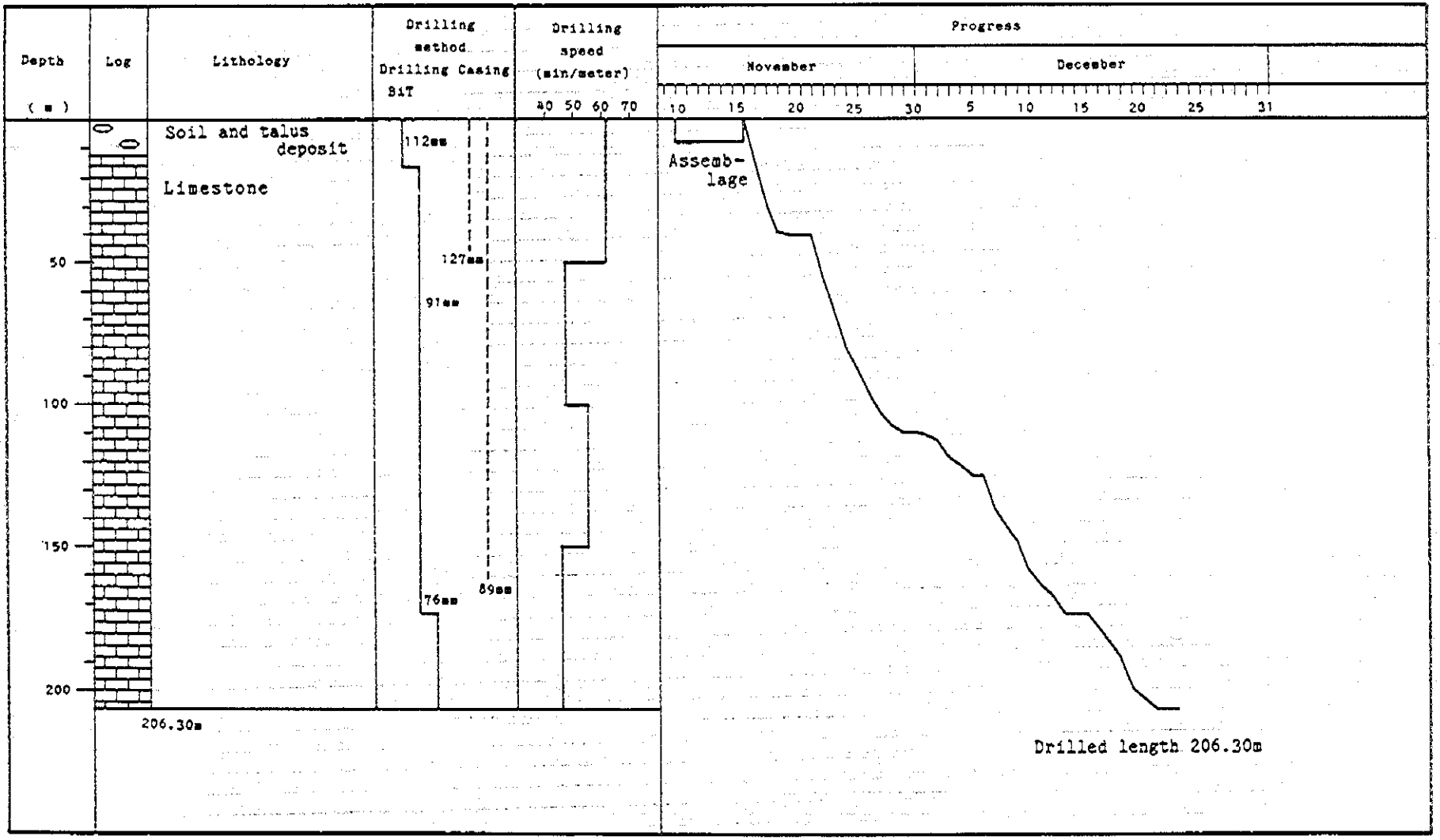
巻末資料21　トレンチ・スケッチ（2）



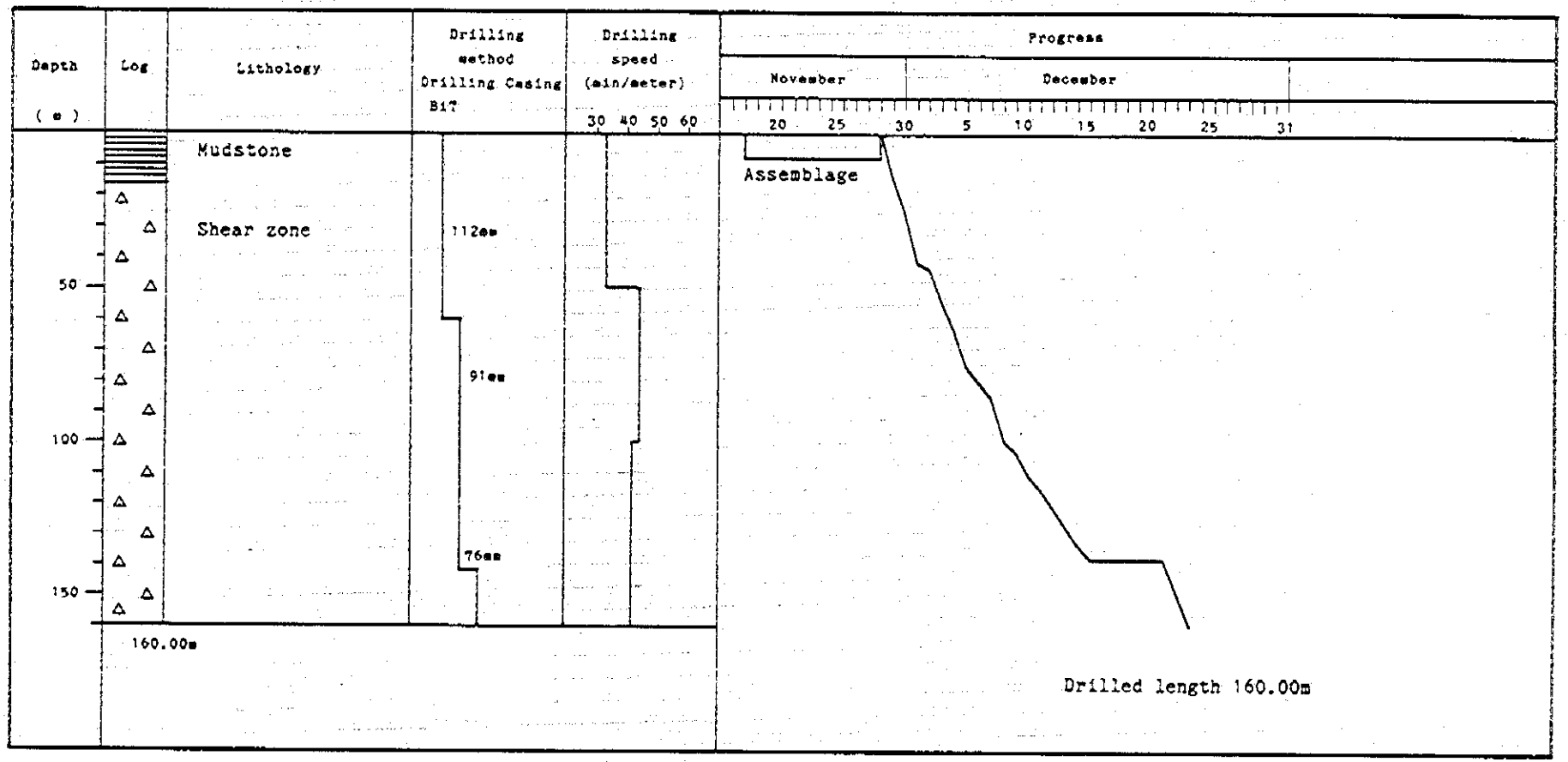
巻末資料22　掘進工程図（MJVS-1）



巻末資料23　掘進工程図（MJVS-2）

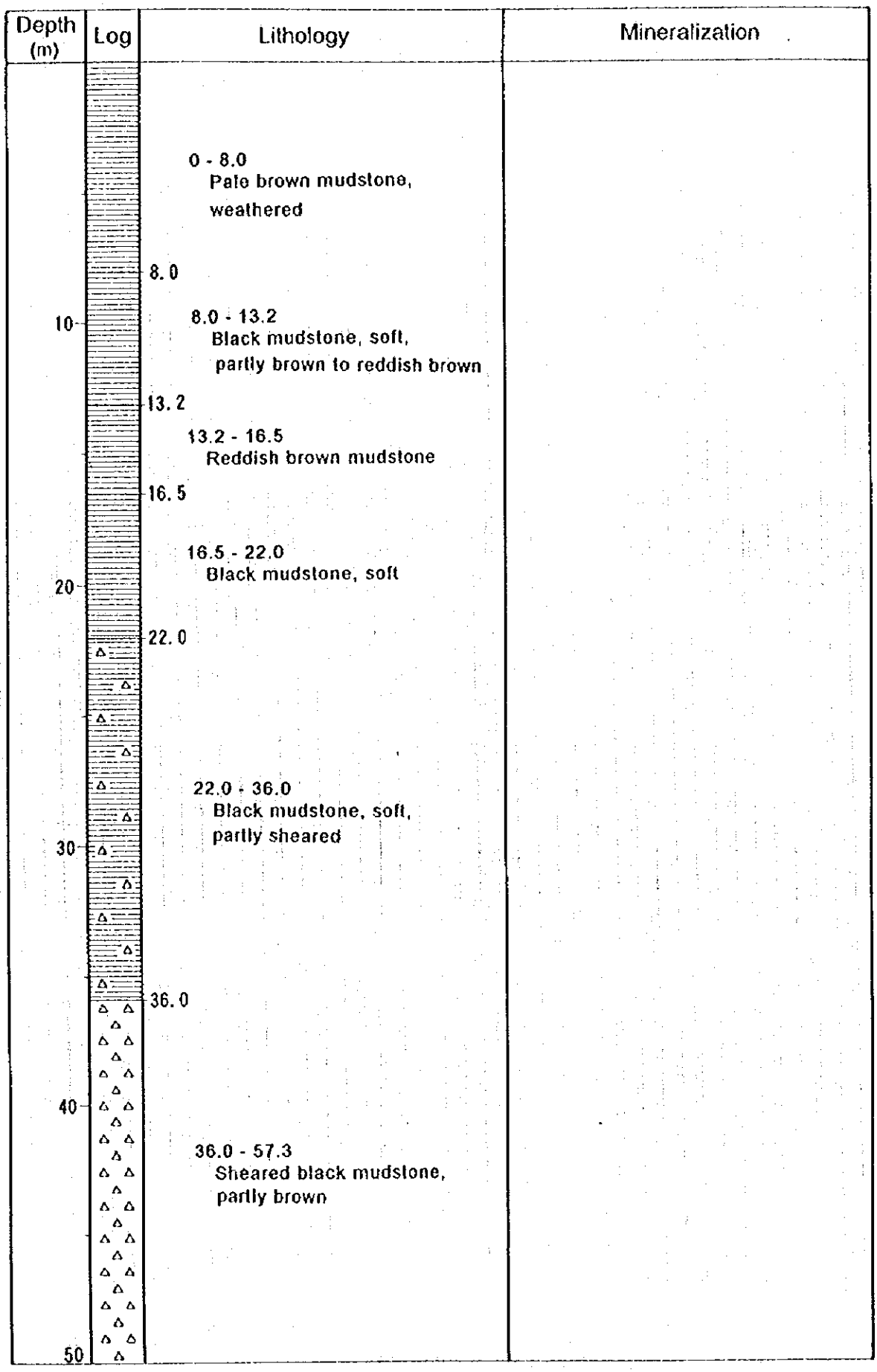


巻末資料24　掘進工程図（MJVS-3）



巻末資料25　掘進工程図（MJVS-4）

MJVS-1　　Direction : S85°E　　Inclination : -70°



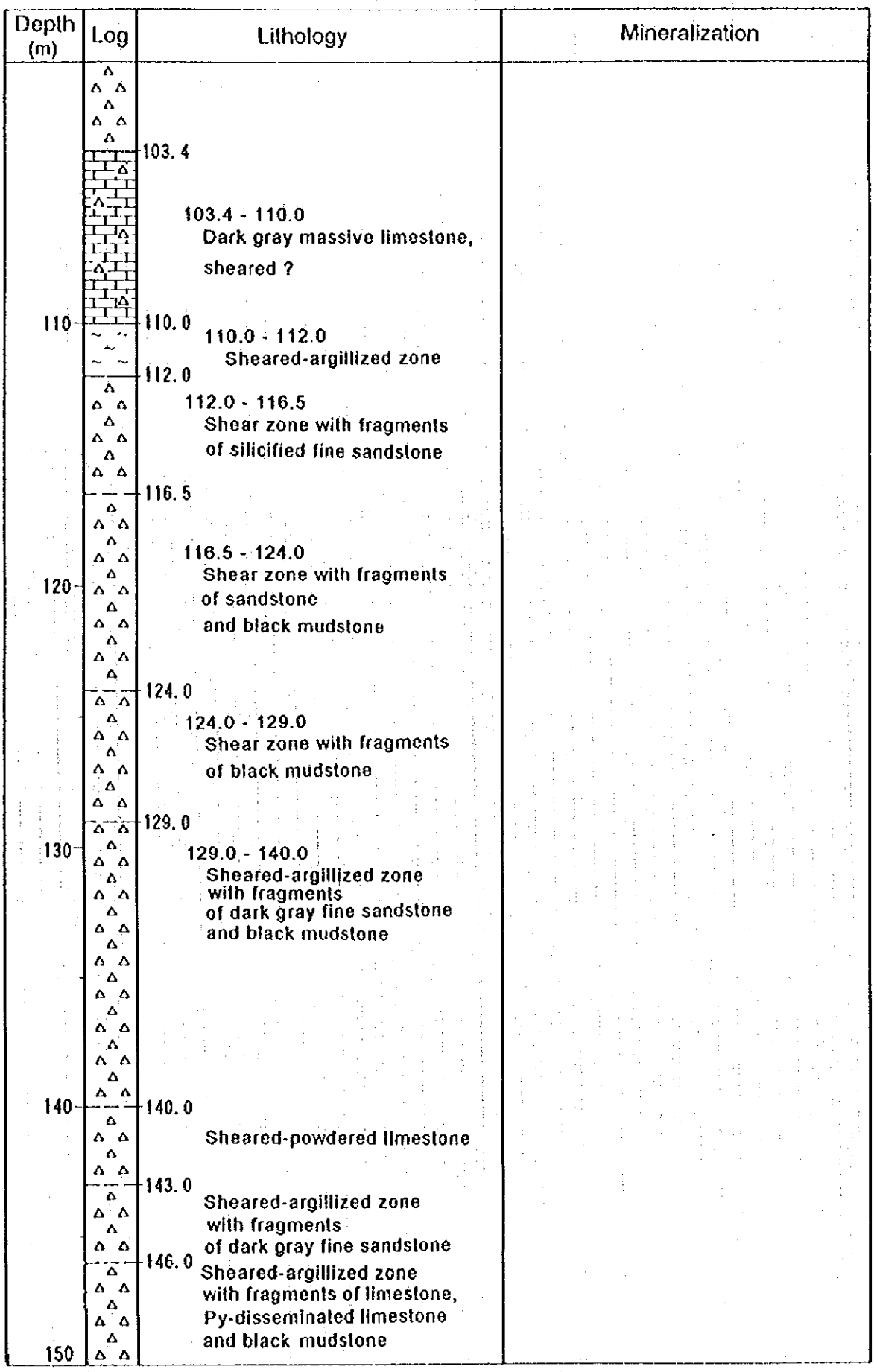
巻末資料26　ボーリング柱状図（MJVS-1，1）

MJVS-1　　Direction : S85°E　　Inclination : -70°

Depth (m)	Log	Lithology	Mineralization
		36.0 - 57.3 Sheared black mudstone, partly brown	
		57.3 57.3 - 57.8 57.8 Sheared brown fine sandstone	
		57.8 - 60.2 Sheared pale gray siltstone	
60		60.2 60.5 60.2 - 60.5 Sheared brown fine sandstone	
		60.5 - 76.0 Sheared-argillized black mudstone, matrix is gray clay	
70			
		76.0	
80		76.0 - 89.0 Shear zone with fragments of silicified fine sandstone (Py dissemi.) and black mudstone	
		89.0	
90		89.0 - 93.0 Black argillized zone	
		93.0	
		93.0 - 103.4 Shear zone with fragments of black sandstone, pale gray sandstone and black mudstone	89.0 - 103.4 Pyrite rarely disseminated in matrix of shear zone
100			

巻末資料26　ボーリング柱状図（MJVS-1，2）

MJVS-1　　Direction : S85° E　　Inclination : -70°



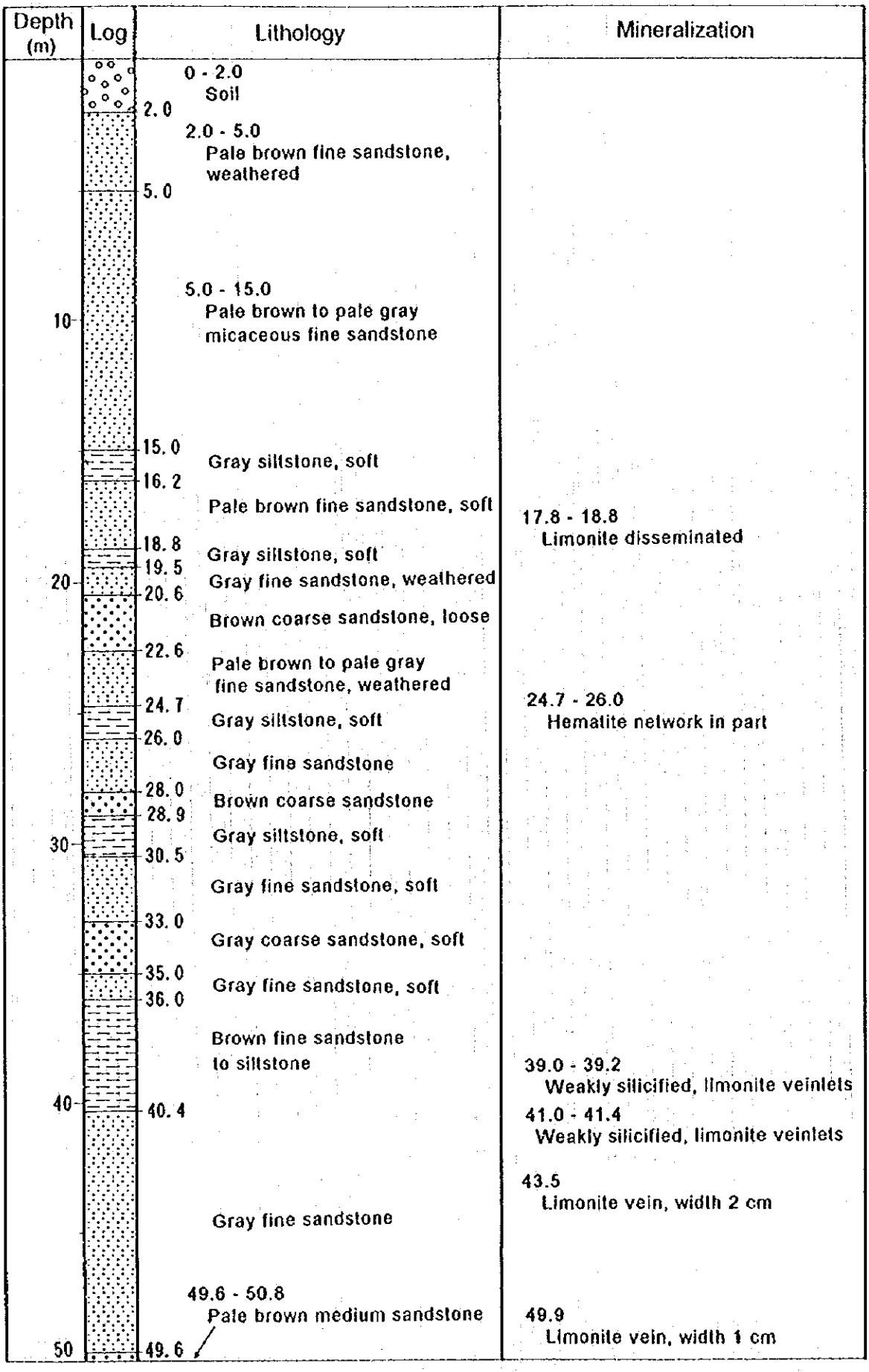
巻末資料26　ボーリング柱状図（MJVS-1，3）

MJVS-1　　Direction : S85°E　　Inclination : -70°

Depth (m)	Log	Lithology	Mineralization
		156.0 Sheared black limestone	
		158.0 Shear zone with fragments of black mudstone and black fine sandstone	
160		Both contain weakly disseminated pyrite.	
		162.5 Shear zone with fragments of black mudstone and quartz sandstone, filled with dark gray clay	
166.40			

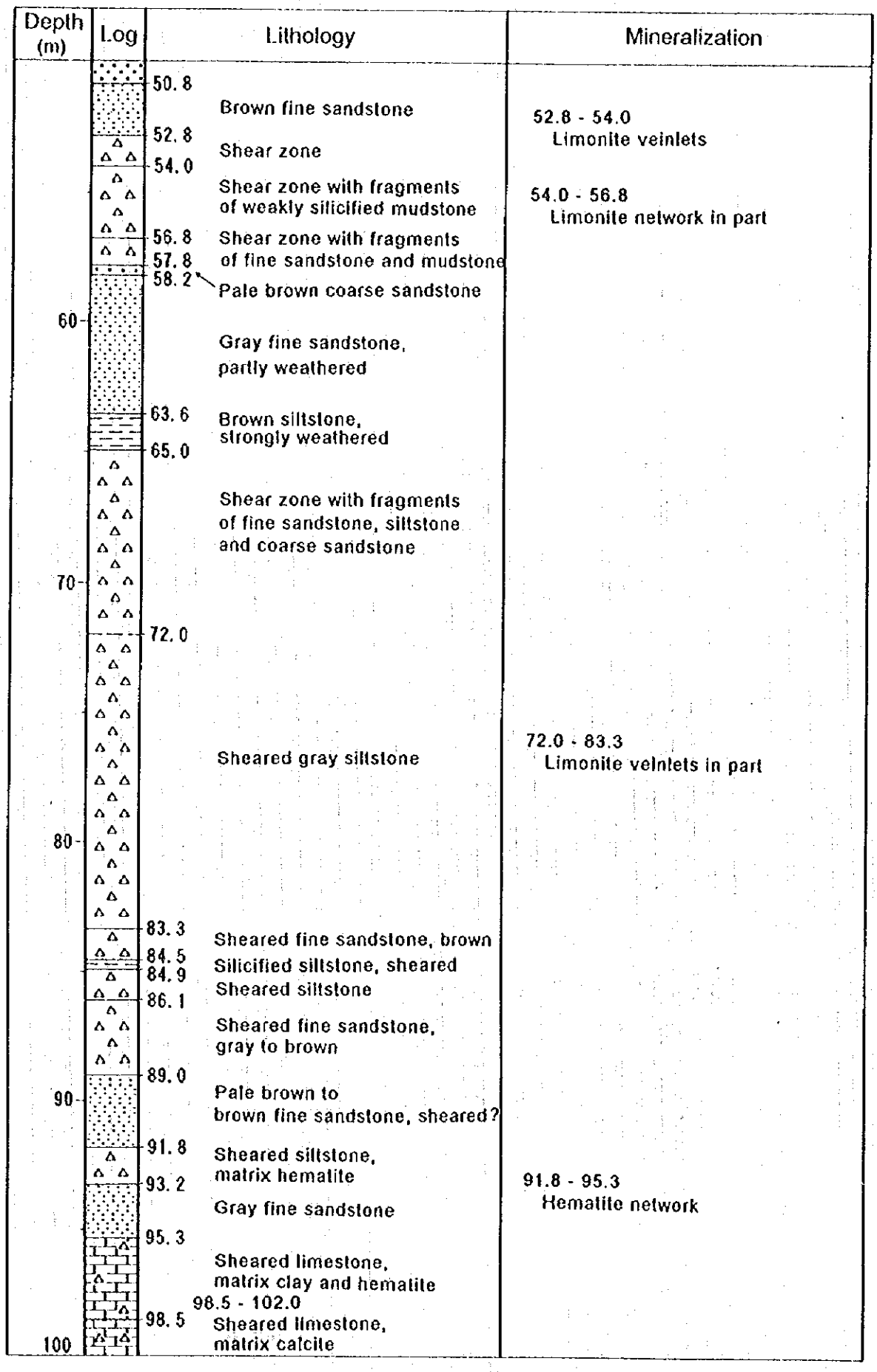
巻末資料26　ボーリング柱状図（MJVS-1，4）

MJVS-2　　Direction : N85°W　　Inclination : -70°



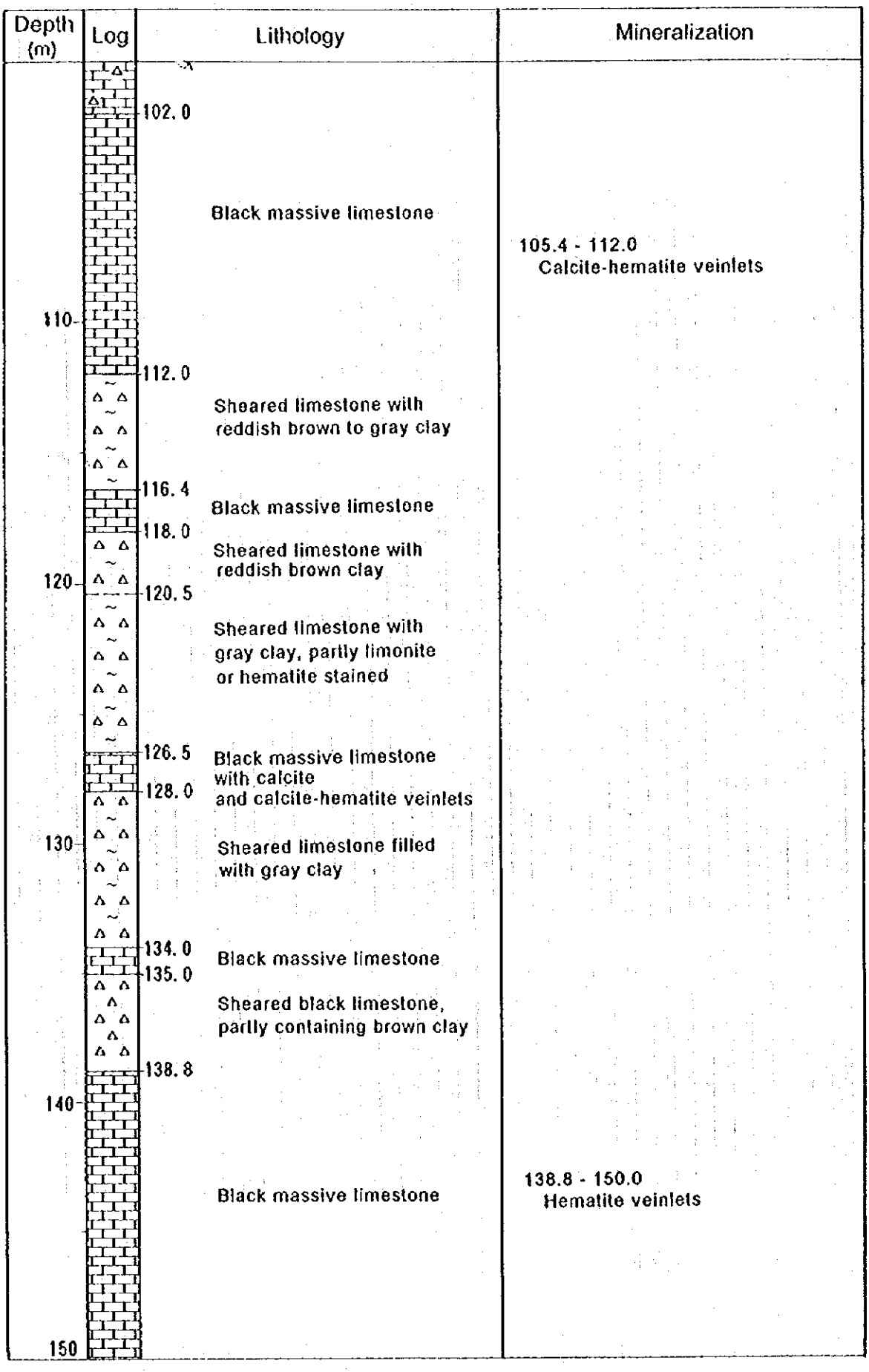
巻末資料27　ボーリング柱状図（MJVS-2，1）

MJVS-2　　Direction : N85°W　　Inclination : -70°



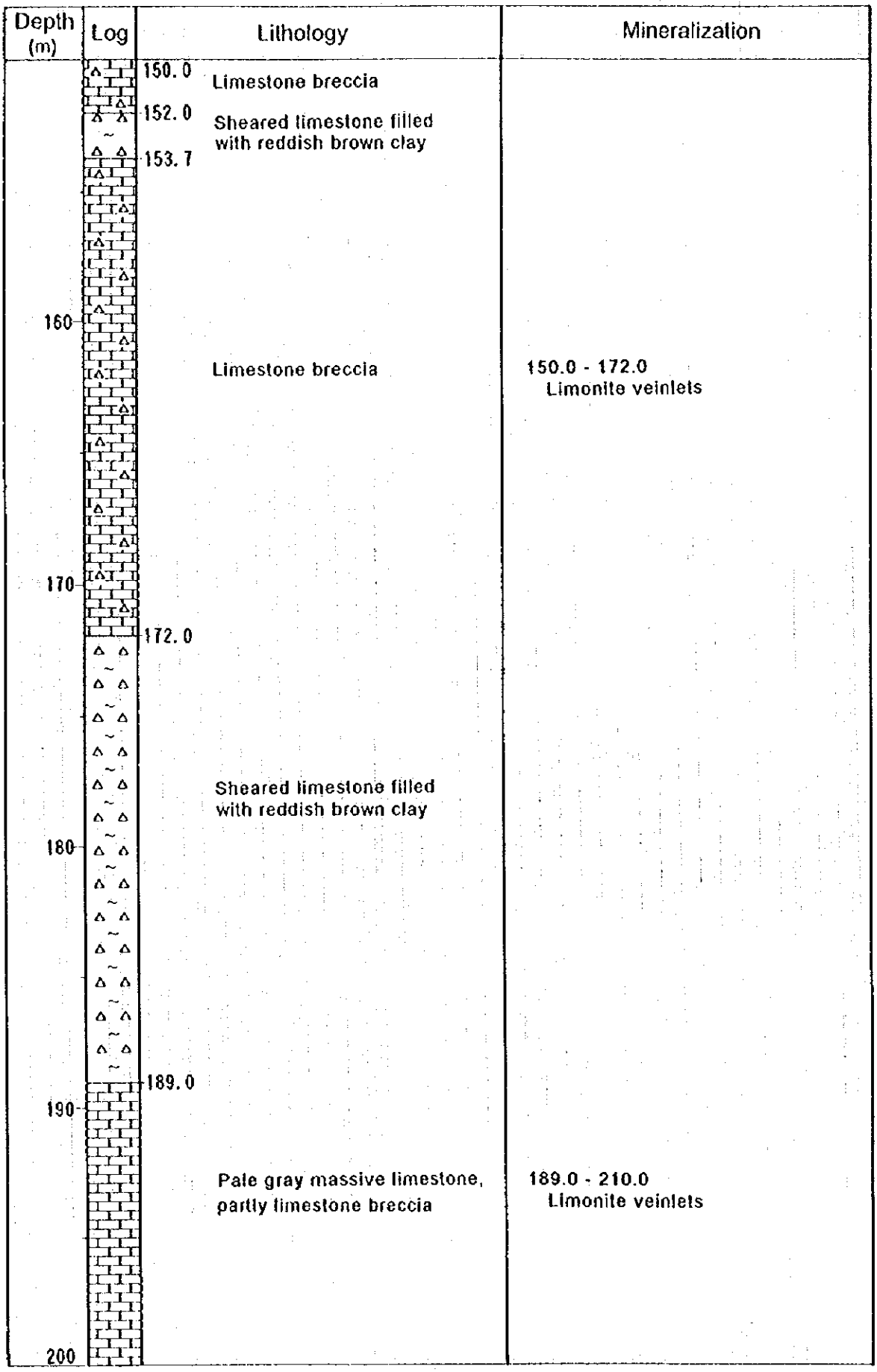
巻末資料27　ボーリング柱状図 (MJVS-2, 2)

MJVS-2　　Direction : N85°W　　Inclination : -70°



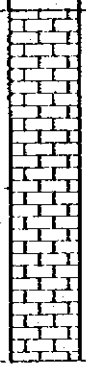
巻末資料27　ボーリング柱状図（MJVS-2, 3）

MJVS-2　　Direction : N85°W　　Inclination : -70°



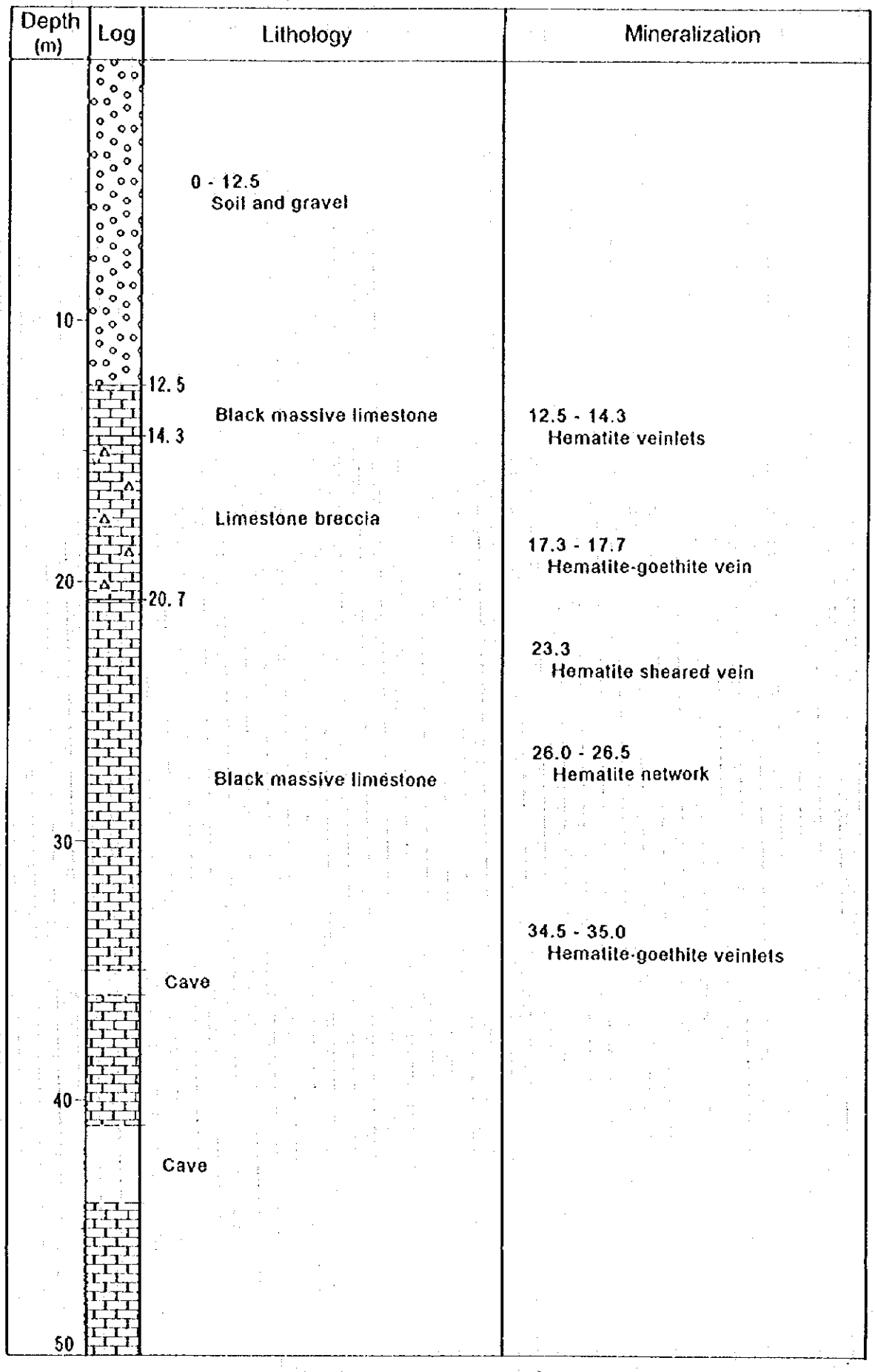
巻末資料27　ボーリング柱状図（MJVS-2，4）

MJVS-2　　Direction : N85°W　　Inclination : -70°

Depth (m)	Log	Lithology	Mineralization
210		Pale gray massive limestone, partly limestone breccia	

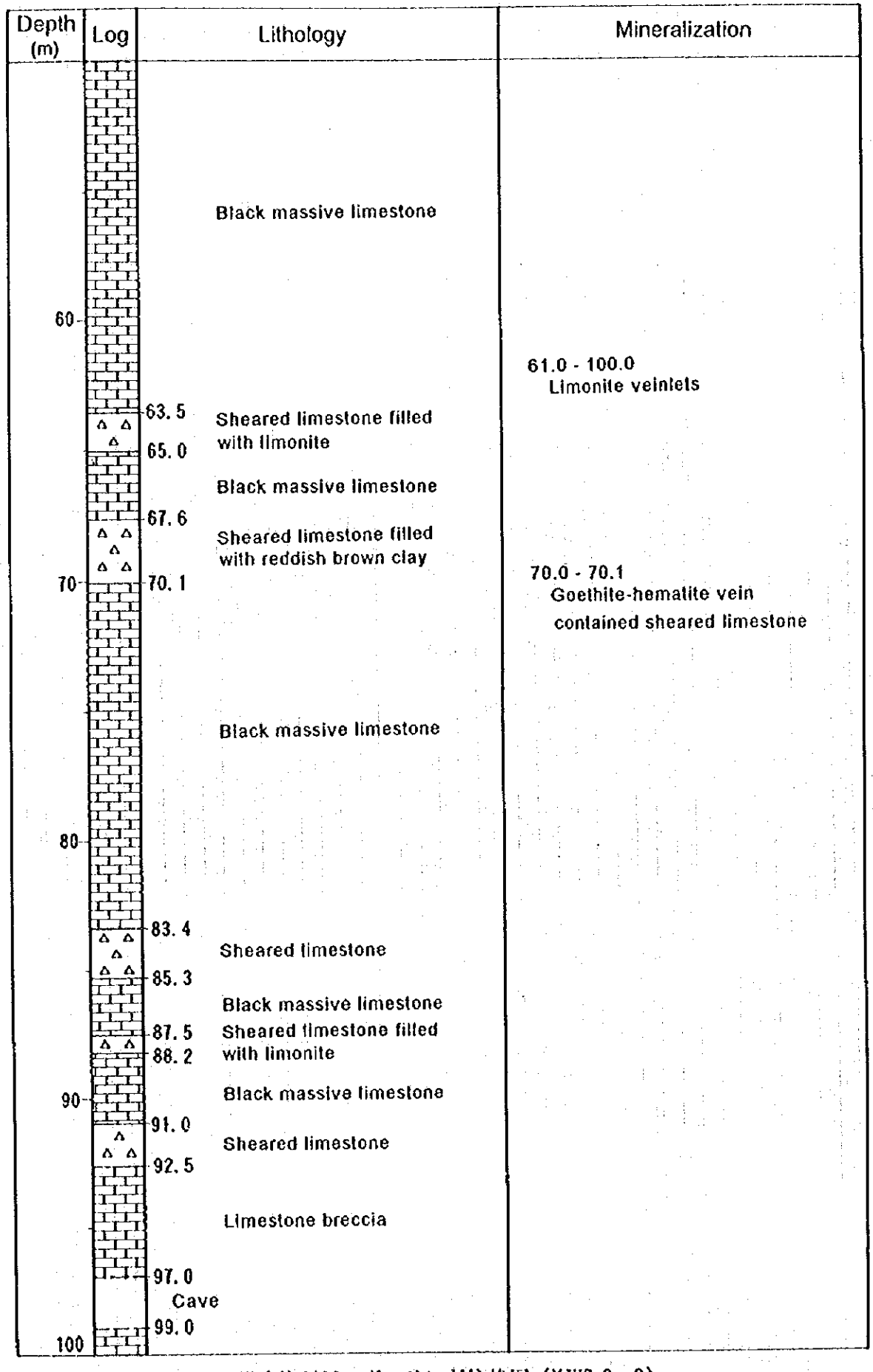
巻末資料27　ボーリング柱状図（MJVS-2, 5）

MJVS-3　　Direction : N70° W　　Inclination : -70°



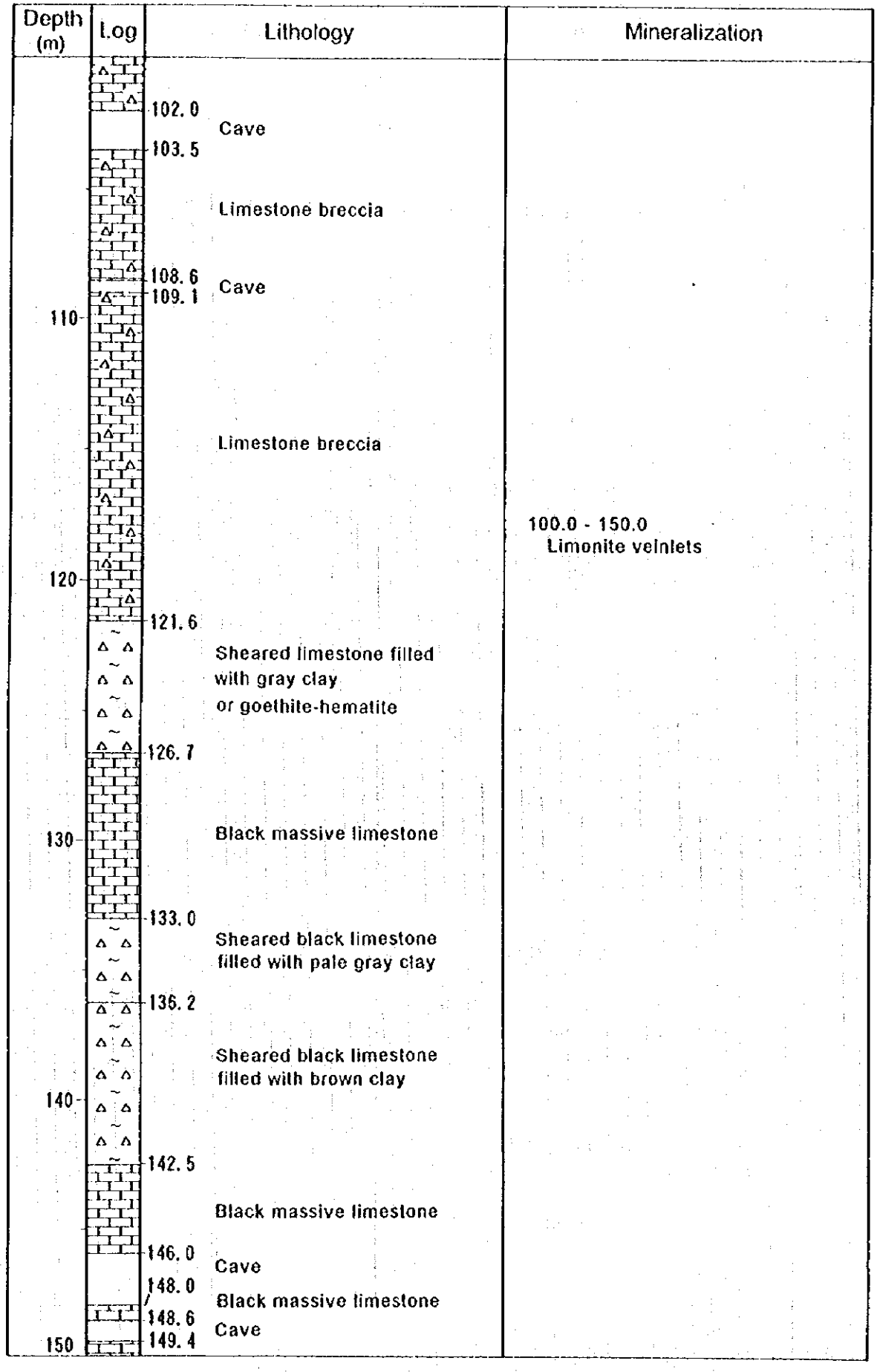
巻末資料28　ボーリング柱状図（MJVS-3，1）

MJVS-3　　Direction : N70°W　　Inclination : -70°



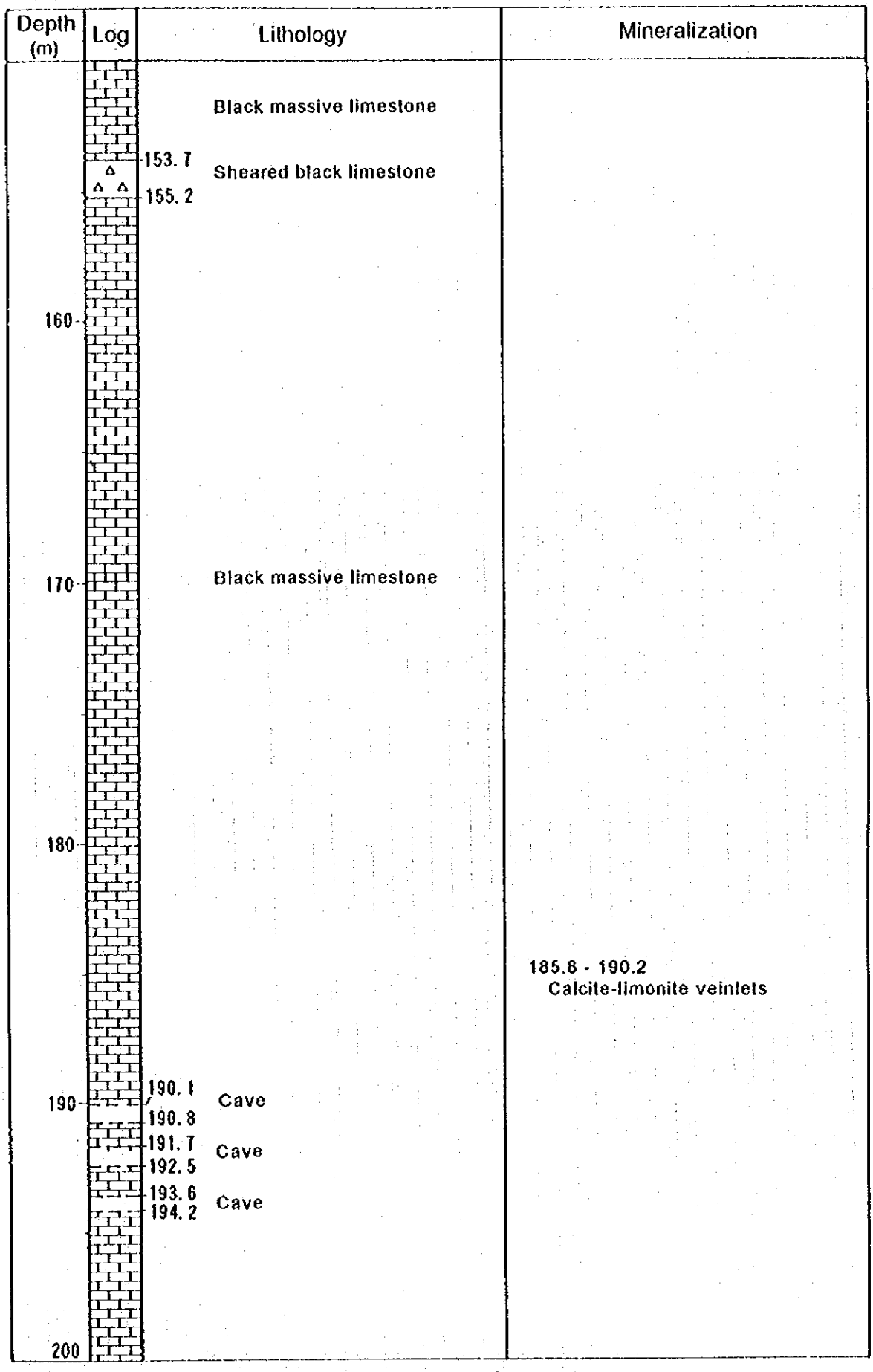
巻末資料28　ボーリング柱状図（MJVS-3, 2）

MJVS-3　　Direction : N70°W　　Inclination : -70°



巻末資料28　ボーリング柱状図（MJVS-3, 3）

MJVS-3　　Direction : N70°W　　Inclination : -70°



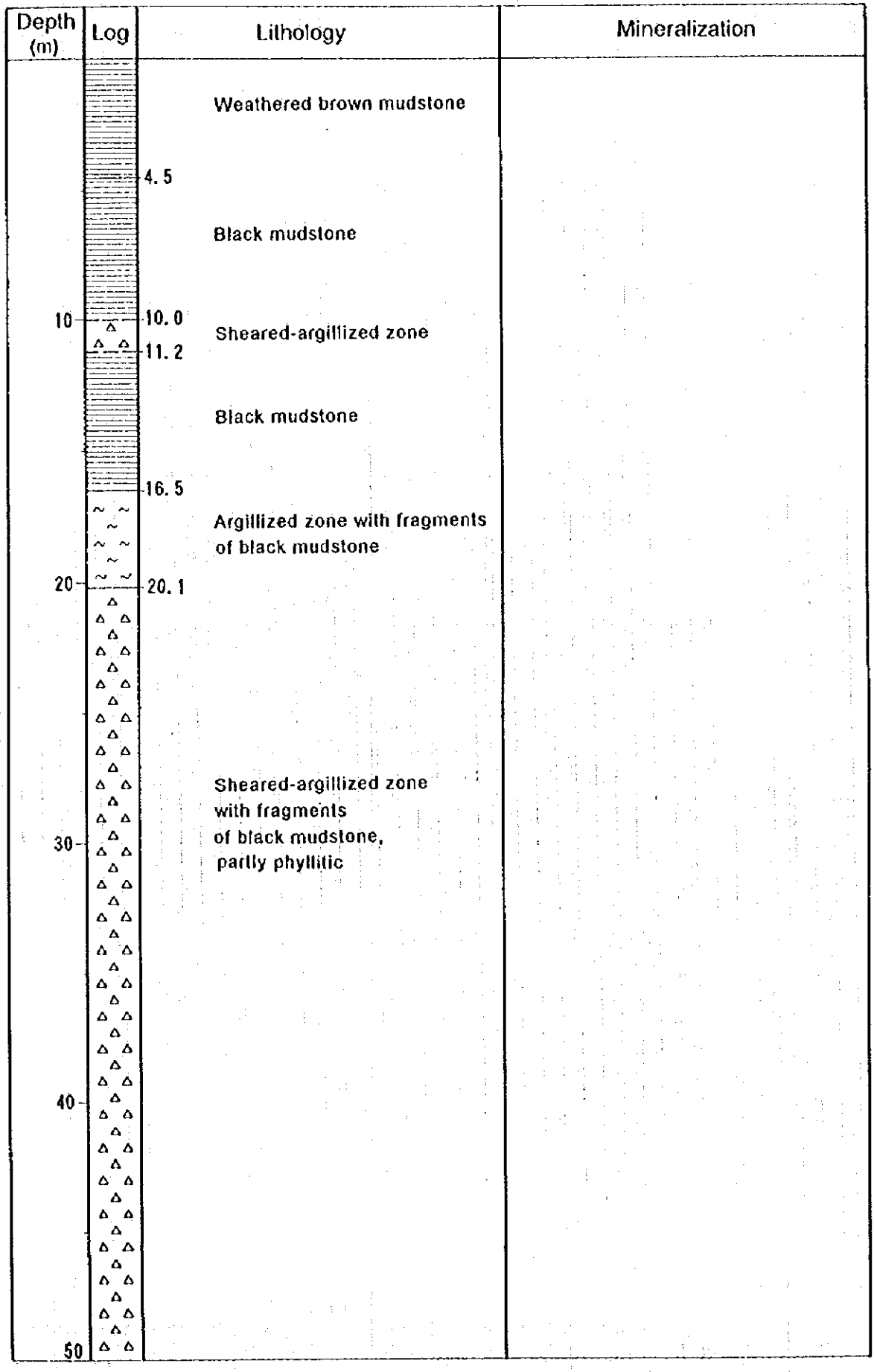
巻末資料28　ボーリング柱状図 (MJVS-3, 4)

MJVS-3　　Direction : N70° W　　Inclination : -70°

Depth (m)	Log	Lithology	Mineralization
		200.0 Cave	
		201.4 Black massive limestone	
		202.6 Cave	
		204.2 Black massive limestone	
206.30			

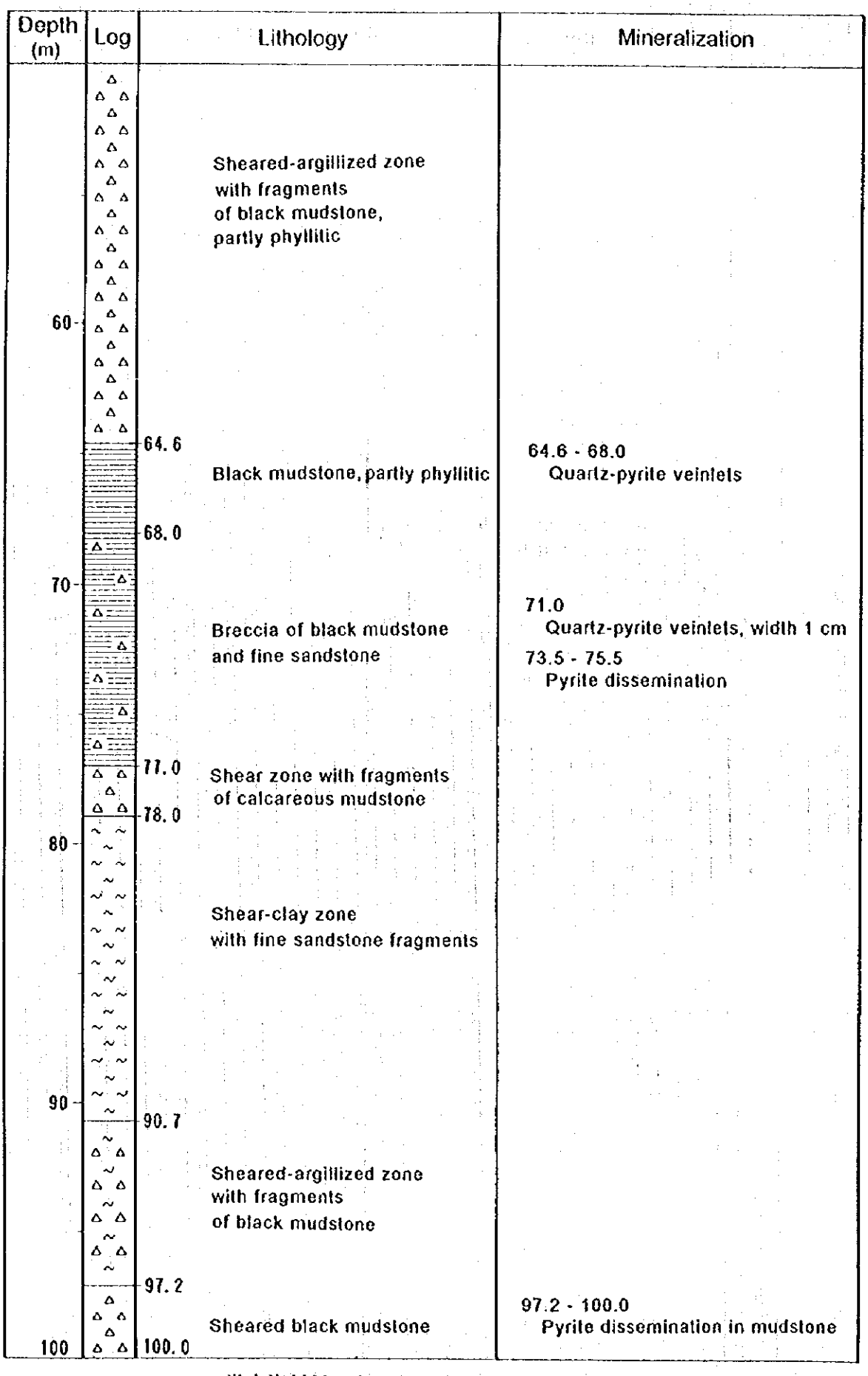
巻末資料28　ボーリング柱状図（MJVS-3，5）

MJVS-4　　Direction : S85°E　　Inclination : -70°



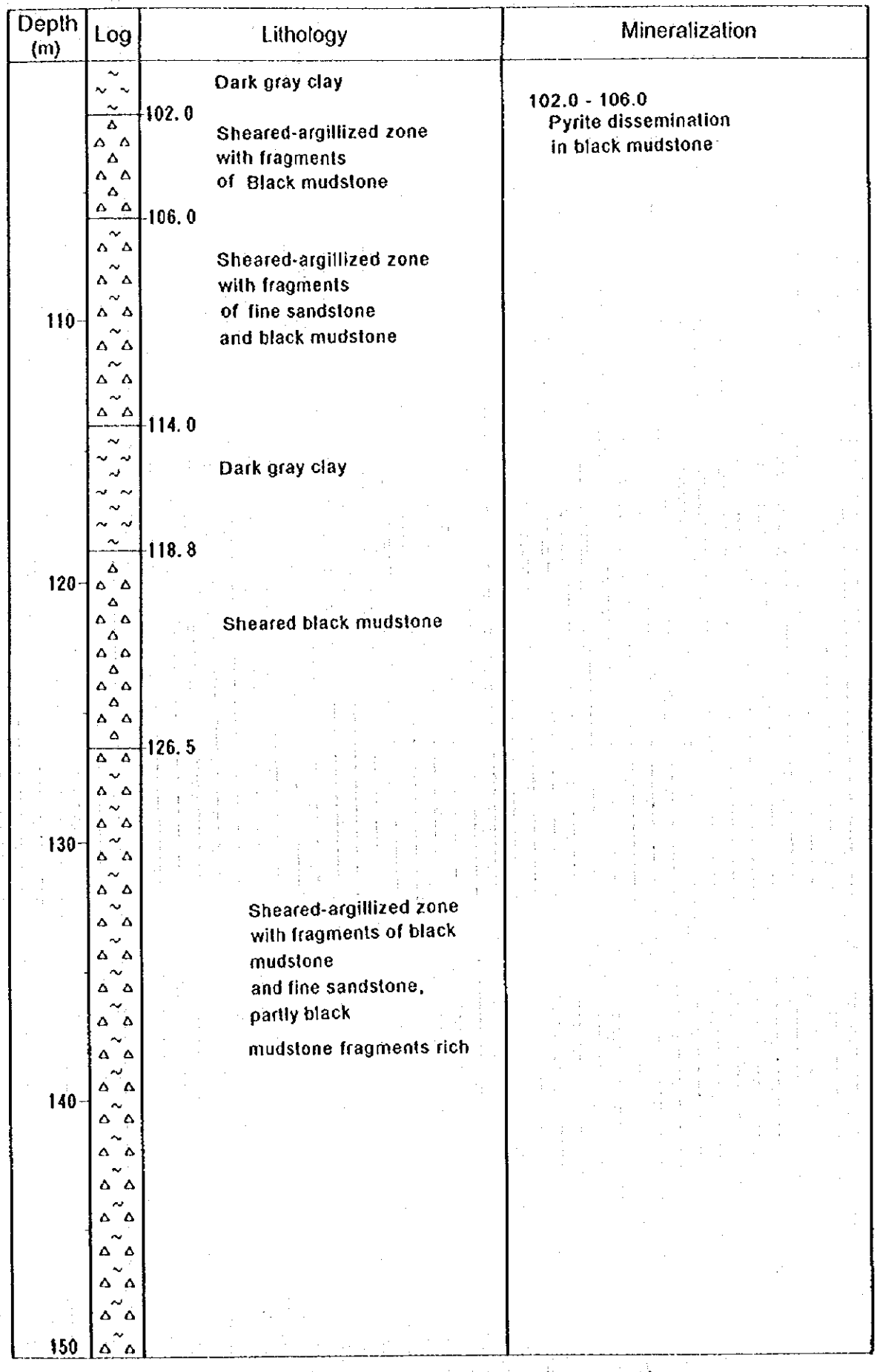
巻末資料29　ボーリング柱状図（MJVS-4，1）

MJVS-4　　Direction : S85°E　　Inclination : -70°



巻末資料29　ボーリング柱状図 (MJVS-4, 2)

MJVS-4　　Direction : S85°E　　Inclination : -70°



巻末資料29　ボーリング柱状図（MJVS-4，3）

MJVS-4　　Direction : S85° E　　Inclination : -70°

Depth (m)	Log	Lithology	Mineralization
160	△ △ ~ △ △ ~ △ △ ~ △ △ ~ △ △ ~ △ △ ~ △ △ ~ △ △	Sheared-argillized zone with fragments of black mudstone and fine sandstone	

巻末資料29　ボーリング柱状図（MJVS-4, 4）