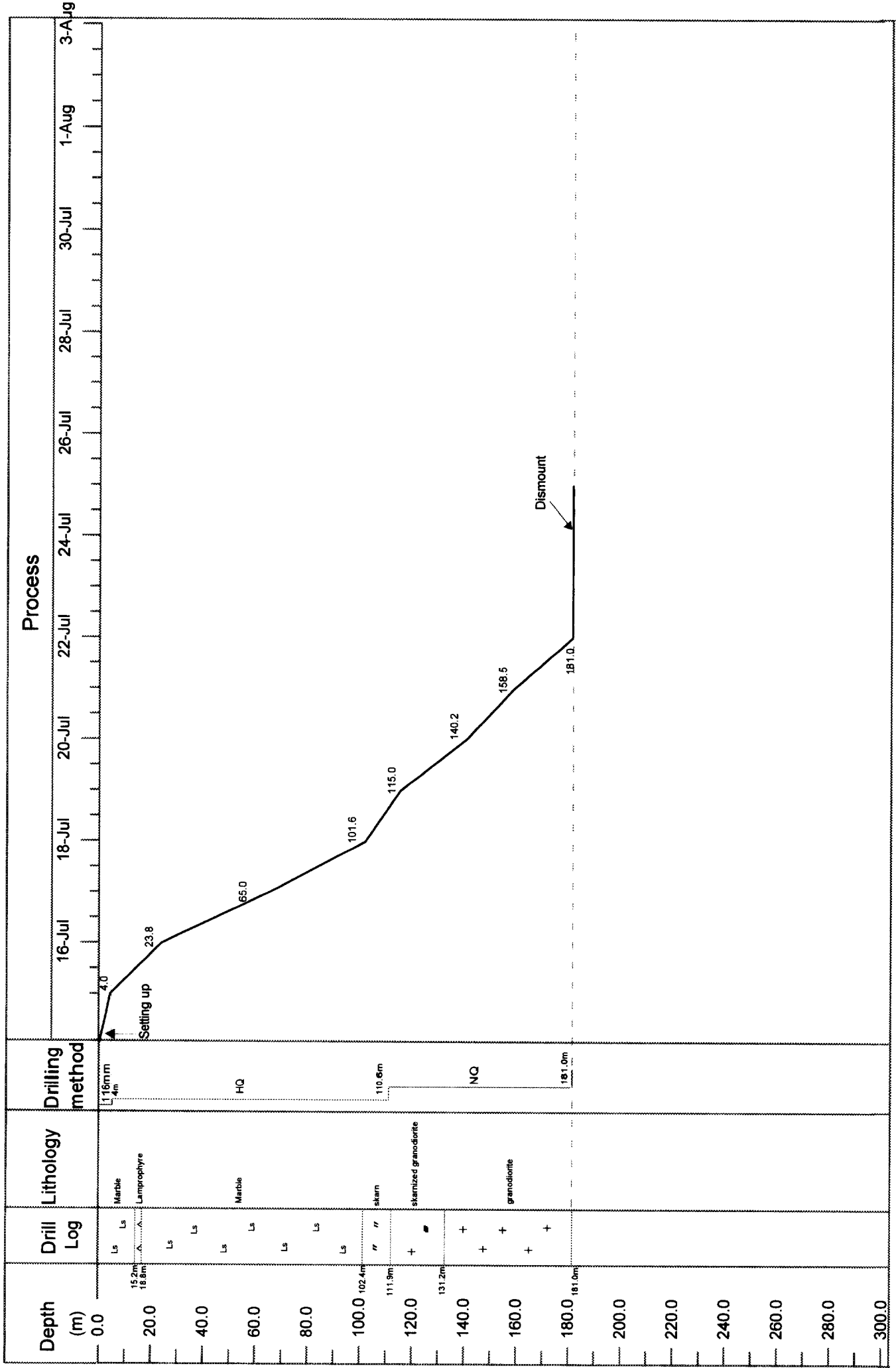


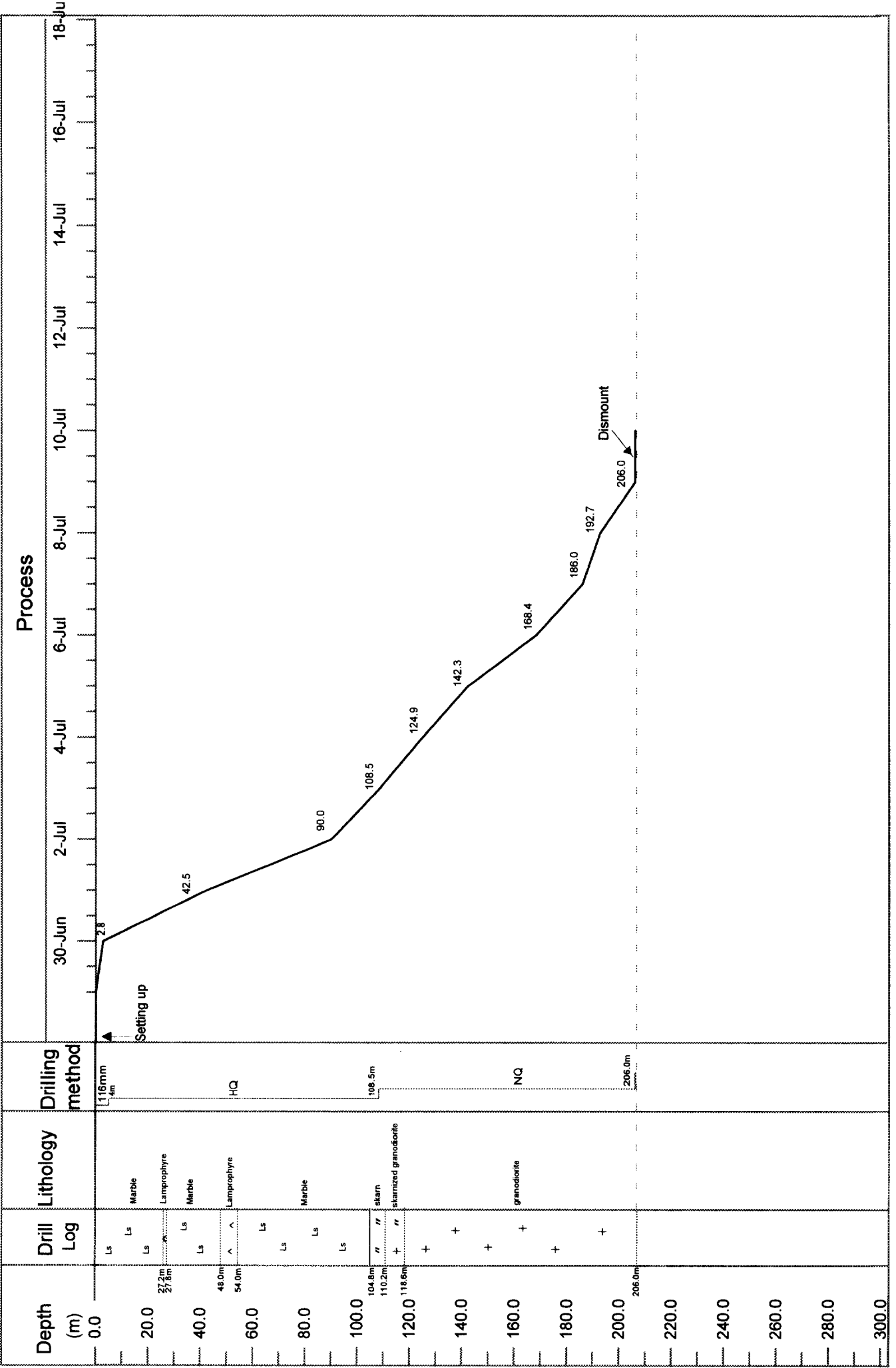
Appendix 23 Progress Record of Diamond Drilling

MJKA-14



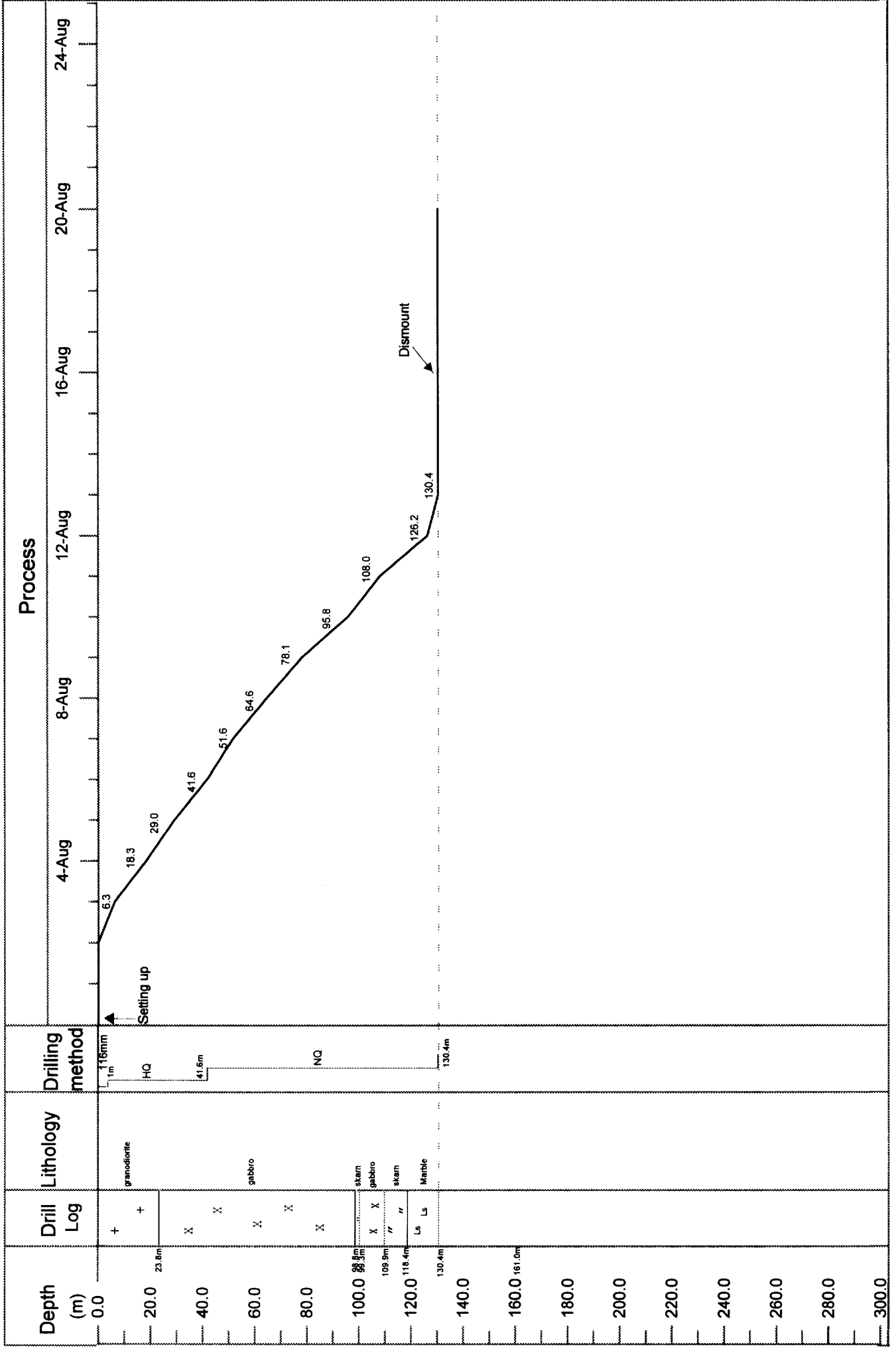
Appendix 23 Progress Record of Diamond Drilling

MJKA-16



Appendix 23 Progress Record of Diamond Drilling

MJKA-18



Appendix 25 Drilling Meters of Diamond Bits

Size	Bits (pcs)	Drilling meter by drillhole (m)						Total (m)	Efficiency (m/bit)
		MJKA-14	MJKA-15	MJKA-16	MJKA-17	MJKA-18			
HQ	4	106.6					106.6	26.7	
	3		71.7				71.7	23.9	
	3			104.5			104.5	34.8	
	3				66.6		66.6	22.2	
	3					40.6	40.6	13.5	
Sub total	16	106.6	71.7	104.5	66.6	40.6	390	24.4	
NQ	3	70.4					70.4	23.5	
	3		74.8				74.8	24.9	
	4			97.5			97.5	24.4	
	7				90.4		90.4	12.9	
	4					88.8	88.8	22.2	
Sub total	21	70.4	74.8	97.5	90.4	88.8	421.9	20.1	

Appendix 26 Miscellaneous Results of Individual Drillhole

(MJKA-15)

	Period			Breakdown of period		Total persons
	from	to	Total days	Working days	Out of working days	
Preparation	3 July. '99	5 July. '99	2.3	1.0	1.3	38
Drilling	5 July. '99	14 July. '99	9.7 ①	9.7 ②	0.0	154
Dismount		15 July. '99	0.3	0.3	0.0	0
Total	3 July. '99	15 July. '99	12.3	11.0	1.3	192
Drilling length						
Programmed length	150m	Soil, Alluvium etc				0m
Prolongation	0.5m	Core length				150.2m
Effective length	150.5m ③	Core recovery				99.8%
Working hours			Core recovery by each 50 meters			
Drilling	111.0h	42.0%	Length (m)	Each (%)	Cumula. (%)	
Supplemental drilling work	121.0h	45.8%	0 - 50	100.0	100.0	
Recovery of accident	0h	0.0%	50 - 100	100.0	100.0	
Preparation/setting up	24.0h	9.1%	100 - 150	99.4	99.8	
Dismount/mobilization	8.0h	3.0%				
Others						
			Efficiency			
			Effective length ③ / Working drilling days ②			
			15.5 m/d			
			Effective length ③ / Total drilling days ①			
Total	264.0h	100%	15.5 m/d			
Drilling length by diameter						
Bit diameter	116mm	HQ	NQ	BQ	Total	
Drilling length	4.0m	71.7m	74.8m	—	150.50m	
Core length	4.0m	71.7m	74.5m	—	150.20m	
Inserted casing pipes						
Inserted length by diameter		Inserted length / Drilling length			Withdrawal of pipes	
HW	4.0m	2.66 %			0 %	
NW	75.7m	50.3 %			100 %	

Appendix 26 Miscellaneous Results of Individual Drillhole

(MJKA-17)

	Period			Breakdown of period		Total persons
	from	to	Total days	Working days	Out of working days	
Preparation	11 July. '99		0.3	0.3	0.0	6
Drilling	11 July. '99	21 July. '99	13.7 ①	10.3 ②	3.3	186
Dismount	25 July. '99	31 July. '99	7.0	1.0	6.0	48
Total	11 July. '99	31 July. '99	21.0	11.7	9.3	240
Drilling length						
Programmed length	160m	Soil, Alluvium etc				0m
Prolongation	1.0m	Core length				160.7m
Effective length	161.0m ③	Core recovery				99.8%
Working hours			Core recovery by each 50 meters			
Drilling	132h	45.8%	Length (m)	Each (%)	Cumula. (%)	
Supplemental drilling work	116h	40.3%	0 - 50	99.8	99.8	
Recovery of accident	0h	0.0%	50 - 100	99.8	99.8	
Preparation/setting up	8h	2.8%	100 - 150	99.8	99.8	
Dismount/mobilization	24h	8.3%	150 - 161	100	99.8	
Others	8h	2.8%				
			Efficiency			
			Effective length ③ / Working drilling days ②			
			15.6 m/d			
			Effective length ③ / Total drilling days ①			
Total	288h	100%	11.8 m/d			
Drilling length by diameter						
Bit diameter	116mm	HQ	NQ	BQ		Total
Drilling length	4.0m	66.6m	90.4m			161.0m
Core length	4.0m	66.5m	90.2m			160.7m
Inserted casing pipes						
Inserted length by diameter		Inserted length / Drilling length			Withdrawal of pipes	
HW	4.0m	2.5 %			0 %	
NW	70.6m	43.9 %			100 %	

Appendix 27 Results of Hole Deviation Measurement

MJKA-14		
Depth(m)	Direction(°)	Dip(-)
10	-	87° 00'
20	-	87° 00'
30	-	87° 30'
40	-	87° 00'
50	-	87° 00'
60	-	87° 00'
70	-	88° 00'
80	-	88° 00'
90	-	88° 00'
100	-	87° 00'
110	-	87° 00'
120	-	87° 00'
130	-	87° 00'
140	-	87° 00'

MJKA-15		
Depth(m)	Direction(°)	Dip(-)
10	300	68° 30'
20	305	68° 30'
30	305	68° 00'
40	305	68° 30'
50	300	69° 00'
60	300	69° 00'
70	305	69° 00'
80	305	69° 00'
90	305	69° 00'
100	300	69° 00'
110	300	68° 30'
120	300	68° 30'
130	300	69° 00'
140	300	68° 30'
150	305	69° 00'

MJKA-16		
Depth(m)	Direction(°)	Dip(-)
10	-	88° 00'
20	-	88° 00'
30	-	88° 00'
40	-	87° 30'
50	-	87° 30'
60	-	87° 30'
70	-	87° 30'
80	-	87° 30'
90	-	87° 30'
100	-	87° 30'
110	-	88° 00'
120	-	88° 00'
130	-	88° 00'
140	-	88° 00'
150	-	88° 00'
160	-	87° 30'
170	-	87° 30'

MJKA-17		
Depth(m)	Direction(°)	Dip(-)
10	295	59° 00'
20	300	60° 00'
30	295	59° 00'
40	300	60° 00'
50	300	60° 00'
60	300	60° 00'
70	295	59° 00'
80	300	60° 00'
90	300	60° 00'
100	295	59° 00'
110	295	59° 00'
120	295	59° 00'

MJKA-18		
Depth(m)	Direction(°)	Dip(-)
10	115	-0° 30'
20	110	-0° 30'
30	110	-0° 30'
40	120	-0° 30'
50	115	-0° 30'
60	115	-0° 30'
70	115	-0° 30'
80	115	-0° 30'
90	110	-0° 30'
100	110	-1° 00'
110	105	-1° 00'
120	105	-1° 00'

Appendix 26 Miscellaneous Results for Individual Drillhole

(MJKA-18)

	Period			Breakdown of period		Total persons
	from	to	Total days	Working days	Out of working days	
Preparation	1 Aug. '99	2 Aug. '99	2.0	0.7	1.3	34
Drilling	3 Aug. '99	15 Aug. '99	13.0 ①	12.0 ②	1.0	221
Dismount	16 Aug. '99	20 Aug. '99	5.0	1.7	3.3	85
Total	1 Aug. '99	20 Aug. '99	20.0	14.4	5.7	340
Drilling length						
Programmed length	110m		Soil, Alluvium etc			0m
Prolongation	20.4m		Core length			129.0m
Effective length	130.4m ③		Core recovery			99%
Working hours			Core recovery by each 50 meters			
Drilling	145h	41.2%	Length (m)	Each (%)	Cumula. (%)	
Supplemental drilling work	143h	40.6%	0 - 50	98.8	98.8	
Recovery of accident	0h	0.0%	50 - 100	98.8	98.8	
Preparation/setting up	16h	4.5%	100 - 130.4	99.3	98.9	
Dismount/mobilization	40h	11.4%				
Others	8h	2.3%				
			Efficiency			
			Effective length ③ / Working drilling days ②			
			10.9 m/d			
			Effective length ③ / Total drilling days ①			
Total	352h	100%	10.0 m/d			
Drilling length by diameter						
Bit diameter	116mm	HQ	NQ	BQ		Total
Drilling length	1.0m	40.6m	88.8m			130.4m
Core length	1.0m	40.1m	87.9m			129.0m
Inserted casing pipes						
Inserted length by diameter		Inserted length / Drilling length			Withdrawal of pipes	
HW	1.0m	0.8 %			100 %	
NW	41.6m	31.9 %			100 %	

Appendix 26 Miscellaneous Results for Individual Drillhole

(MJKA-16)

	Period			Breakdown of period		Total persons
	from	to	Total days	Working days	Out of working days	
Preparation	29 June '99	30 June '99	1.3	0.7	0.7	16
Drilling	30 June '99	9 July '99	9.7 ①	9.7 ②	0.0	160
Dismount		10 July '99	1.0	1.0	0.0	16
Total	29 June '99	10 July '99	12.0	11.3	0.7	192
Drilling length						
Programmed length	205m		Soil, Alluvium etc			0m
Prolongation	1m		Core length			204.8m
Effective length	206m ③		Core recovery			99.4%
Working hours			Core recovery by each 50 meters			
Drilling	112h	41.2%	Length (m)	Each (%)	Cumula. (%)	
Supplemental drilling work	120h	44.1%	0 - 50	99.8	99.8	
Recovery of accident	0h	0.0%	50 - 100	99.6	99.7	
Preparation/setting up	16h	5.9%	100 - 150	99.4	99.6	
Dismount/mobilization	24h	8.8%	150 - 200	98.8	99.4	
Others	0h	0.0%	200 - 206	6	99.4	
			Efficiency			
			Effective length ③ / Working drilling days ②			
			21.3 m/d			
			Effective length ③ / Total drilling days ①			
			21.3 m/d			
Total	272h	100%				
Drilling length by diameter						
Bit diameter	116mm	HQ	NQ			Total
Drilling length	4.0m	104.5m	97.5m			206.0m
Core length	4.0m	104.2m	96.6m			204.8m
Inserted casing pipes						
Inserted length by diameter		Inserted length / Drilling length			Withdrawal of pipes	
HW	4.0m	1.94 %			0 %	
NW	108.5m	52.67 %			100 %	

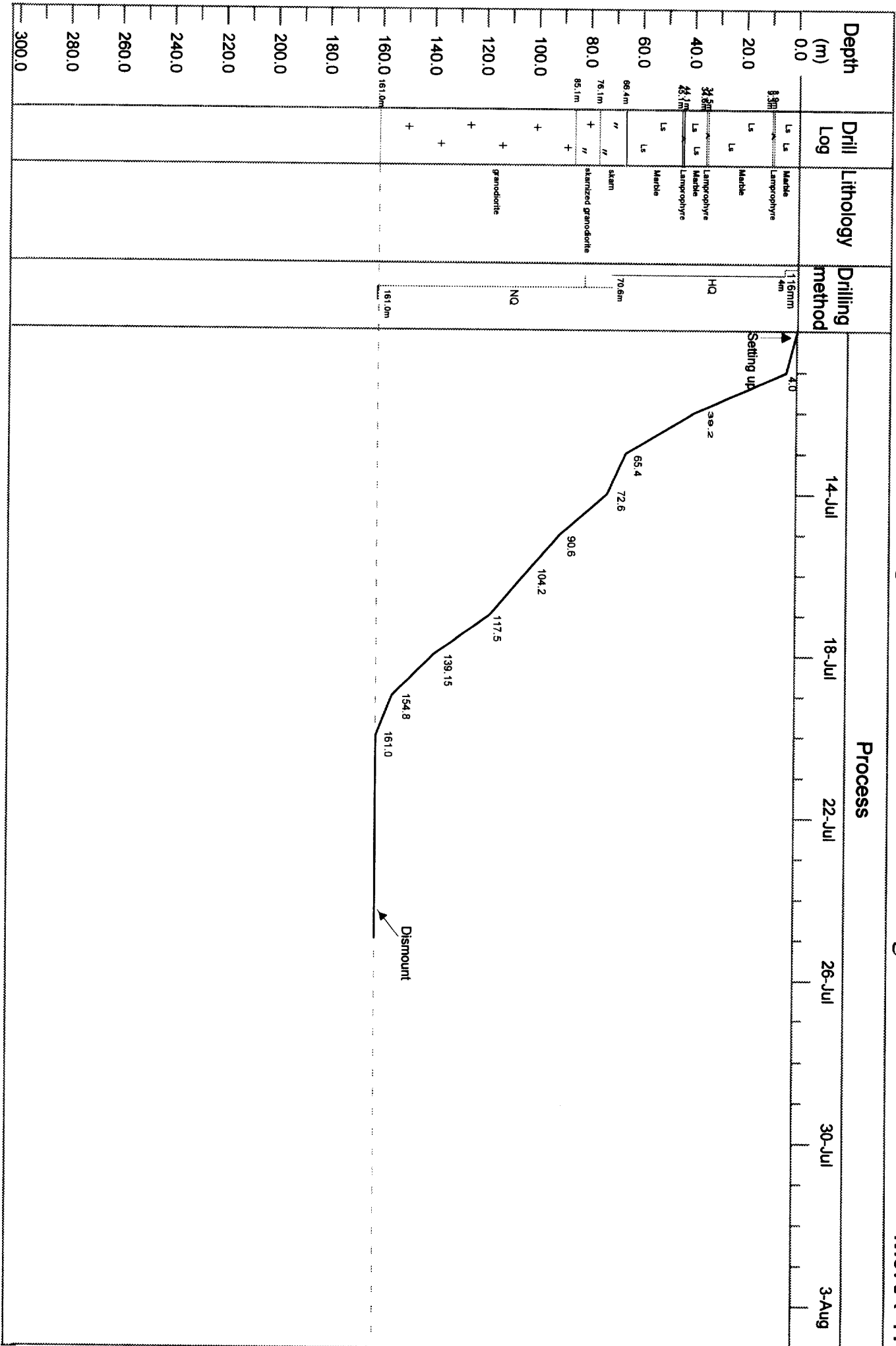
Appendix 26 Miscellaneous Results of Individual Drillhole

(MJKA-14)

	Period			Breakdown of period		Total persons
	from	to	Total days	Working days	Out of working days	
Preparation	15 July. '99		0.3	0.3	0.0	10
Drilling	15 July. '99	24 July. '99	9.0 ①	8.0 ②	1.0	150
Dismount	25 July. '99	28 July. '99	4.7	1.3	3.3	64
Total	15 July. '99	28 July. '99	14.0	9.7	4.3	224
Drilling length						
Programmed length		180m		Soil, Alluvium etc		0m
Prolongation		1m		Core length		179.70m
Effective length		181m ③		Core recovery		99.3%
Working hours			Core recovery by each 50 meters			
Drilling	99h	41.3%	Length (m)	Each (%)	Cumula. (%)	
Supplemental drilling work	93h	38.8%	0 – 50	99.8	99.8	
Recovery of accident	0h	0.0%	50 – 100	99.6	99.7	
Preparation/setting up	8h	3.3%	100 – 150	98	99.1	
Dismount/mobilization	32h	13.3%	150 – 181	100.0	99.3	
Others	8h	3.3%				
			Efficiency			
			Effective length ③ / Working drilling days ②			
			22.6 m/d			
			Effective length ③ / Total drilling days ①			
Total	240h	100%	20.1 m/d			
Drilling length by diameter						
Bit diameter	116mm	HQ	NQ	BQ		Total
Drilling length	4.0m	106.6m	70.4m			181.0m
Core length	4.0m	106.3m	69.4m			179.7m
Inserted casing pipes						
Inserted length by diameter		Inserted length / Drilled length			Withdrawal of pipes	
HW	4.0m	2.2 %			0 %	
NW	110.6m	61.1 %			100 %	
BW						

Appendix 23 Progress Record of Diamond Drilling

MJKA-17

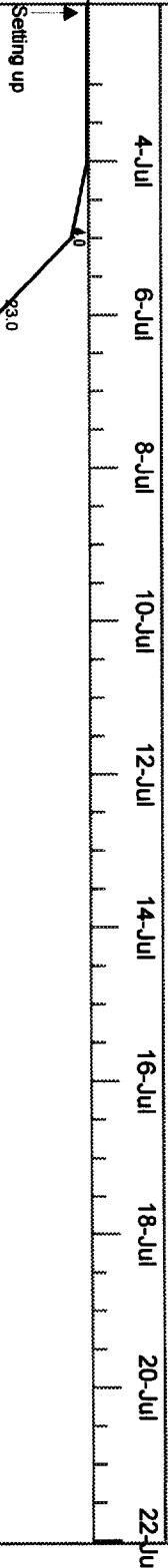


Appendix 23 Progress Record of Diamond Drilling

MJKA-15

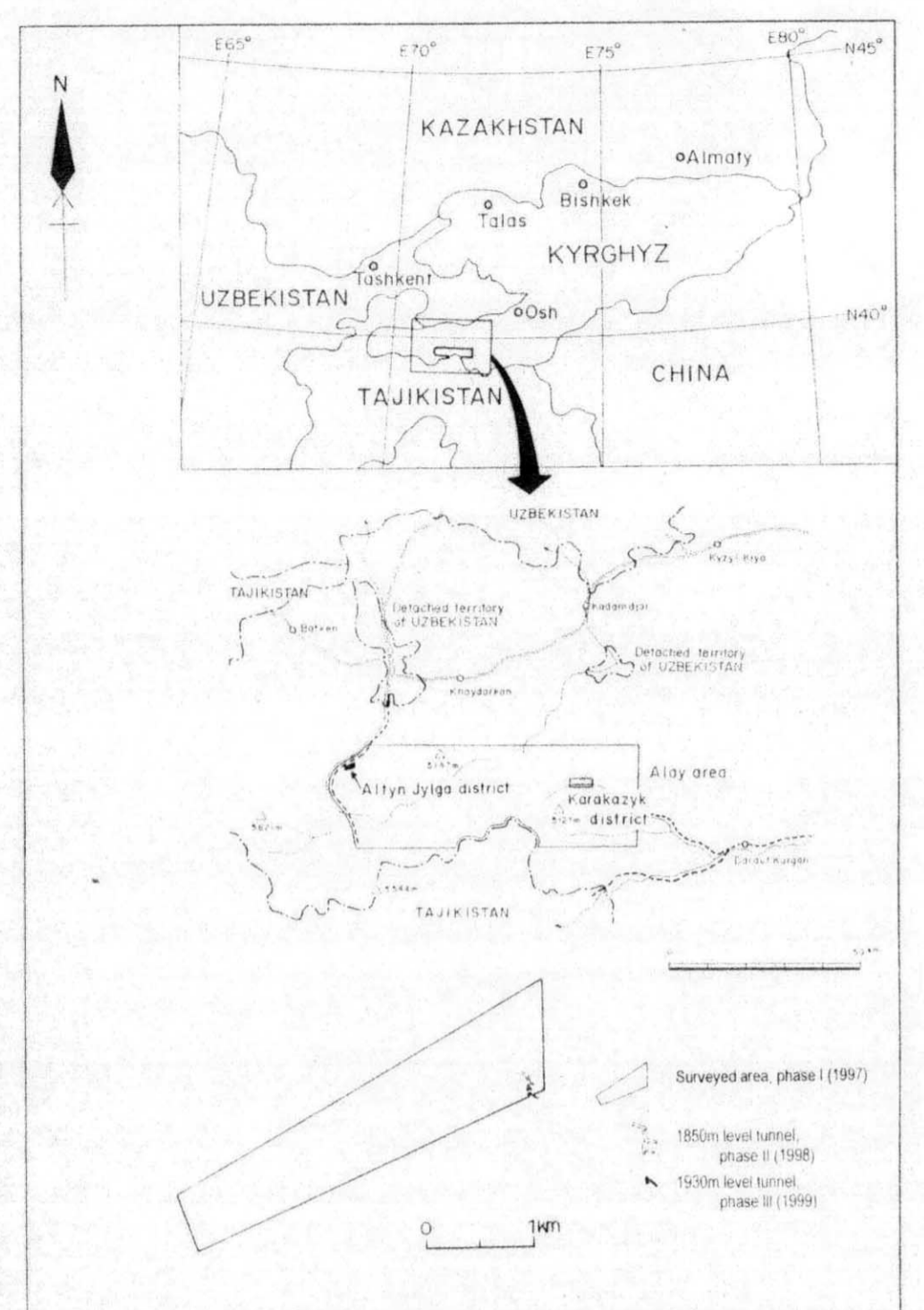
Process

Depth (m)	Drill Log	Lithology	Drilling method	Process																	
				4-Jul	6-Jul	8-Jul	10-Jul	12-Jul	14-Jul	16-Jul	18-Jul	20-Jul	22-Jul								
0.0	Ls	Marble	116mm Air																		
8.5m	Ls	Lamprophyre																			
11.2m	Ls	Marble																			
20.0	Ls	Lamprophyre																			
23.7m	Ls																				
27.7m	Ls																				
40.0	Ls	Marble	HQ																		
60.0	Ls	Lamprophyre																			
67.7m	Ls	Marble																			
69.3m	Ls																				
72.3m	Ls																				
80.0	"	skarn																			
100.0	"	skarnized granodiorite																			
100.4m	"																				
110.2m	"		NQ																		
120.0	"	granodiorite																			
140.0	"																				
150.5m	"																				
160.0																					
180.0																					
181.0m																					
200.0																					
220.0																					
240.0																					
260.0																					
280.0																					
300.0																					

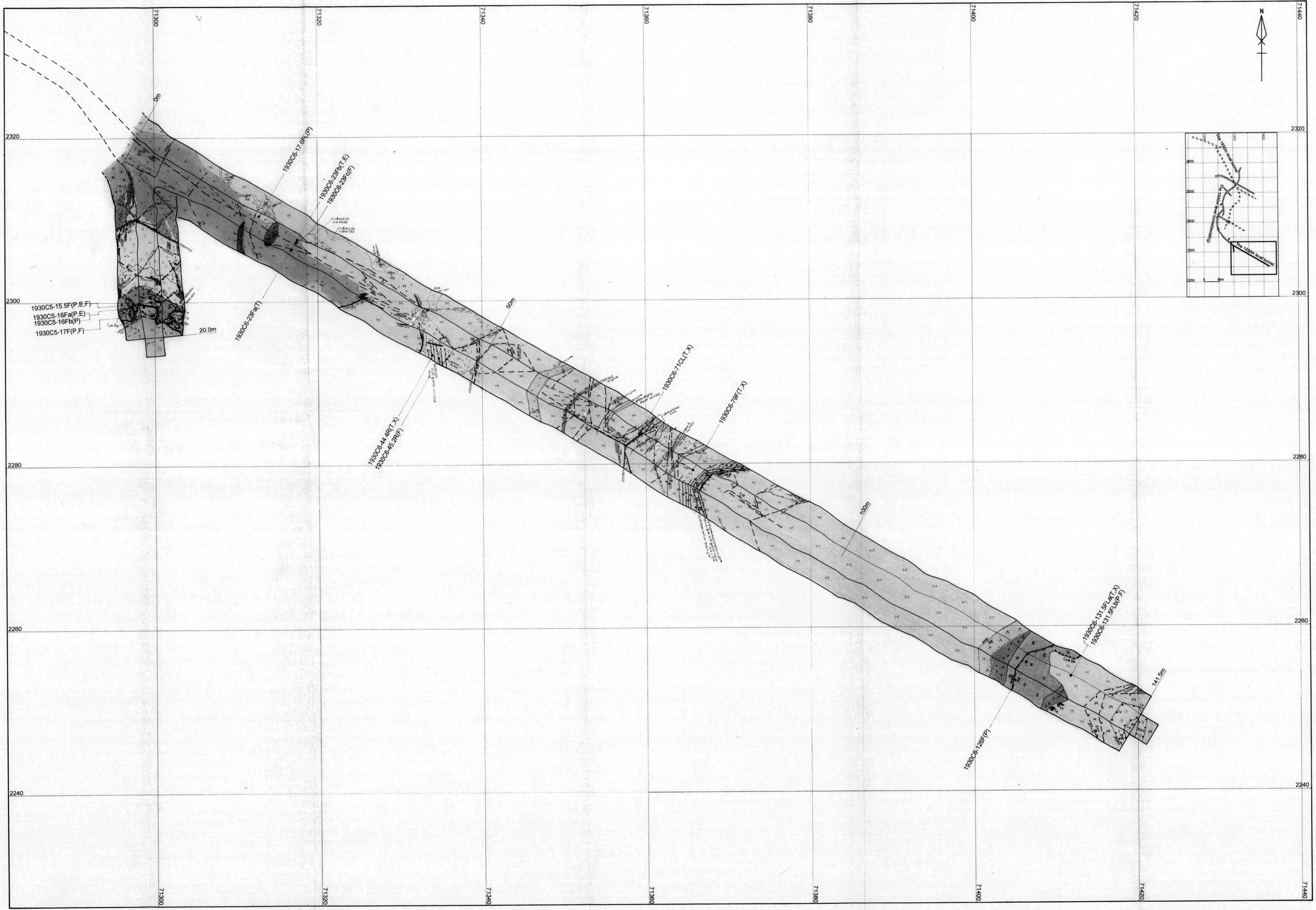


THE MINERAL EXPLORATION IN THE ALAY AREA
THE KYRGYZ REPUBLIC
(PHASE III)

Geological Sketch of the 1930 m Level Tunnel
and
Location of Laboratory Test Samples
(1:200)



JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 2000
Prepared by MINECO



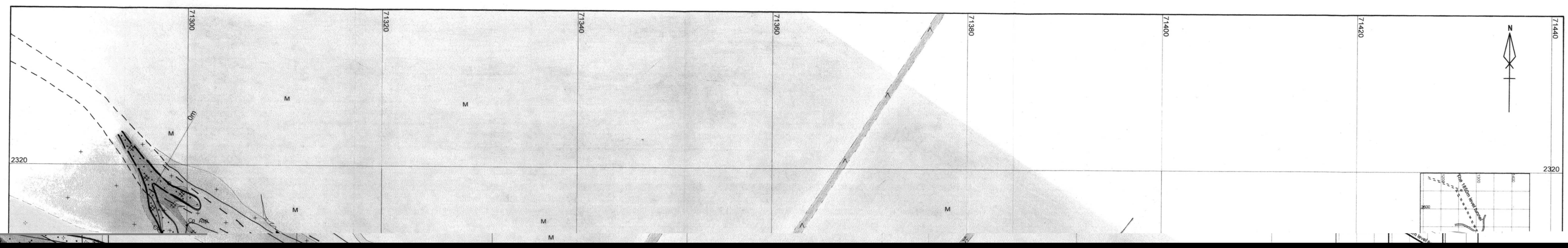
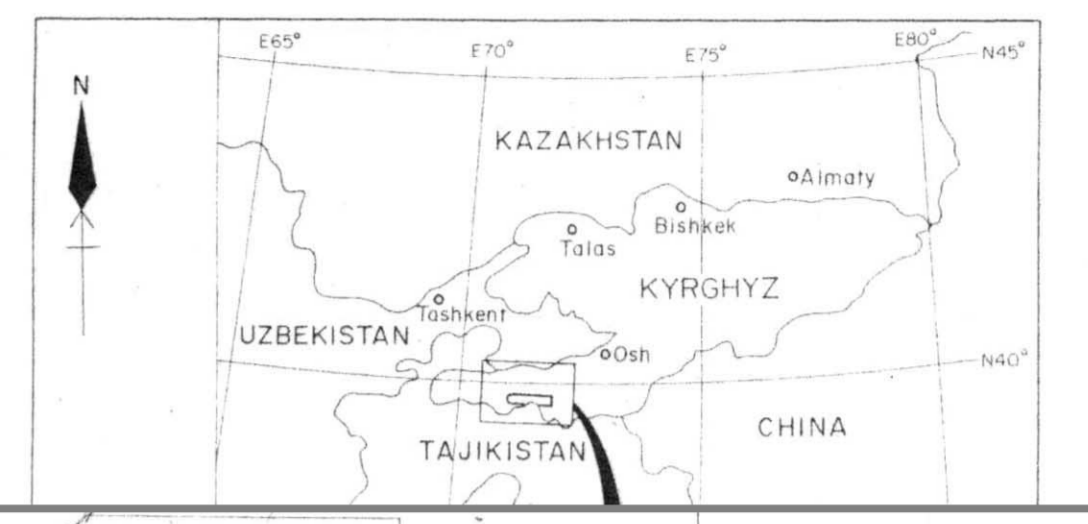
LEGEND

- | | |
|---|--|
| Host rocks | Others |
| granodiorites | alteration boundary |
| lamprophyre | lithofacies boundary (inner intrusive rocks) |
| marble | fault |
| | shear joint |
| | gouge |
| | shear joint zone |
| | fault breccia |
| | shear joint zone |
| | plagioclase megaphenocryst |
| | marginal facies of dikes |
| | survey point (2318.14, 1298.20) |
| Skarns | |
| garnet skarn | |
| pyroxene-garnet skarn (Cpx<Ga) | |
| garnet-pyroxene skarn (Ga<Cpx) | |
| pyroxene skarn (medium grain) | |
| pyroxene skarn (very fine grain) | |
| pyroxene big crystals | |
| silicified carbonate rock | |
| wollastonite skarn | |
| Ga-Cpx-Hb-Bi band in marble | |
| garnet | |
| Mineralization & Alteration | |
| skarnized intrusive rocks | |
| argillization | |
| dissimination of sulphide minerals | |
| concentration of sulphide minerals | |
| Cu green copper | |
| limonite | |
| Veins | |
| quartz vein | |
| calcite vein | |
| quartz-calcite vein | |
| garnet vein | |
| Abbreviations | |
| Asp arsenopyrite | |
| Bn bornite | |
| Cp chalcopryite | |
| Cpx clinopyroxene | |
| Ga garnet | |
| Mo molybdenite | |
| Py pyrite | |
| Sample location | |
| (T) thin section | |
| (P) polished thin section | |
| (X) X-ray diffraction | |
| (F) photomicrograph | |
| (E) EPMA | |
| (M) mineral separation test | |
| R-right wall | |
| L-left wall | |
| F-face | |
| FR-right corner on a face | |
| FL-left corner on a face | |
| C-root | |
| CR-right hand on a roof | |
| CL-left hand on a roof | |
| distance in meter of the locality on each tunnel segments | |
| C5 sidetrack tunnel I | |
| C6 cross cut tunnel I | |
| level of sampling tunnel in meter | |

0 10m
1 : 200

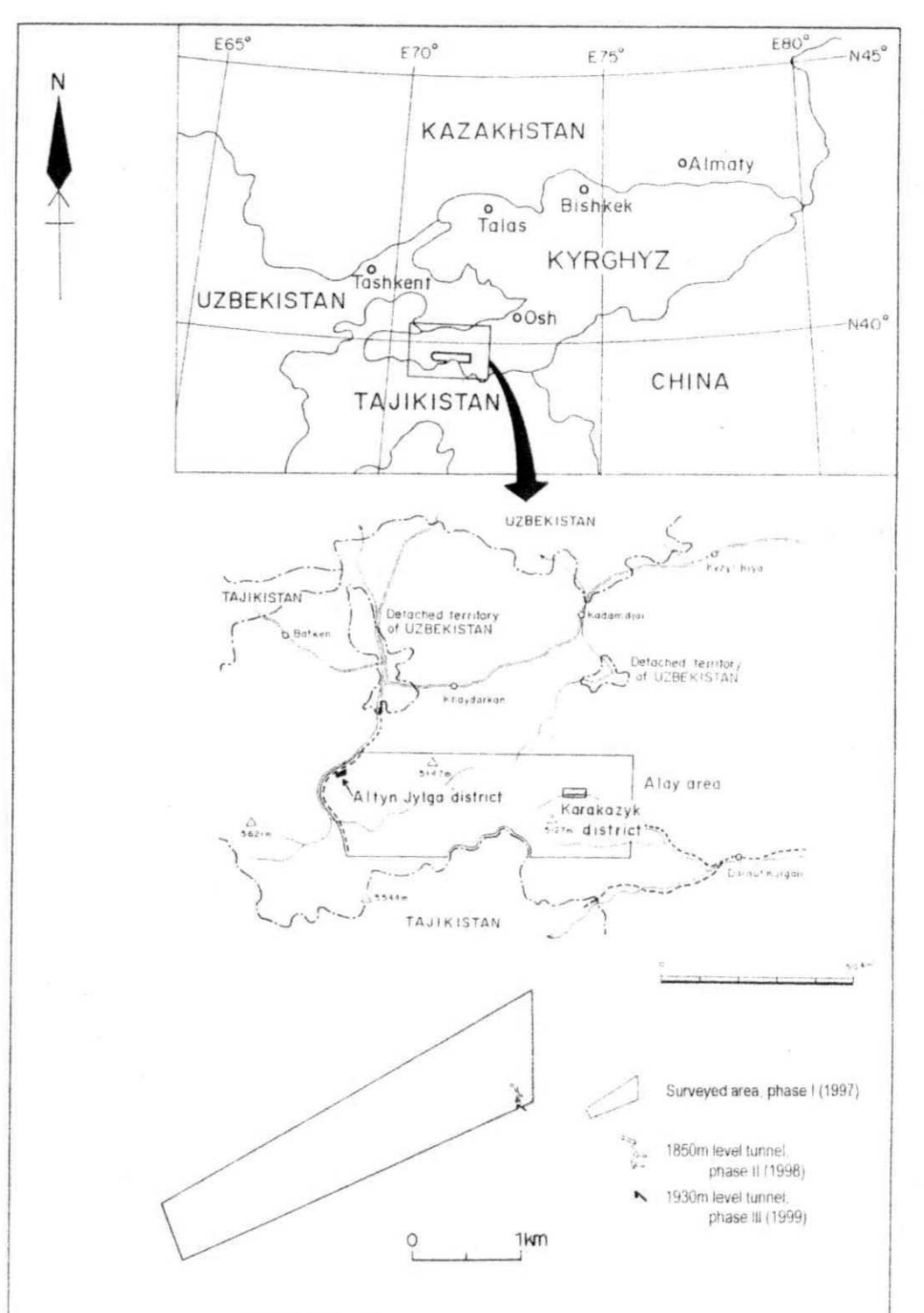
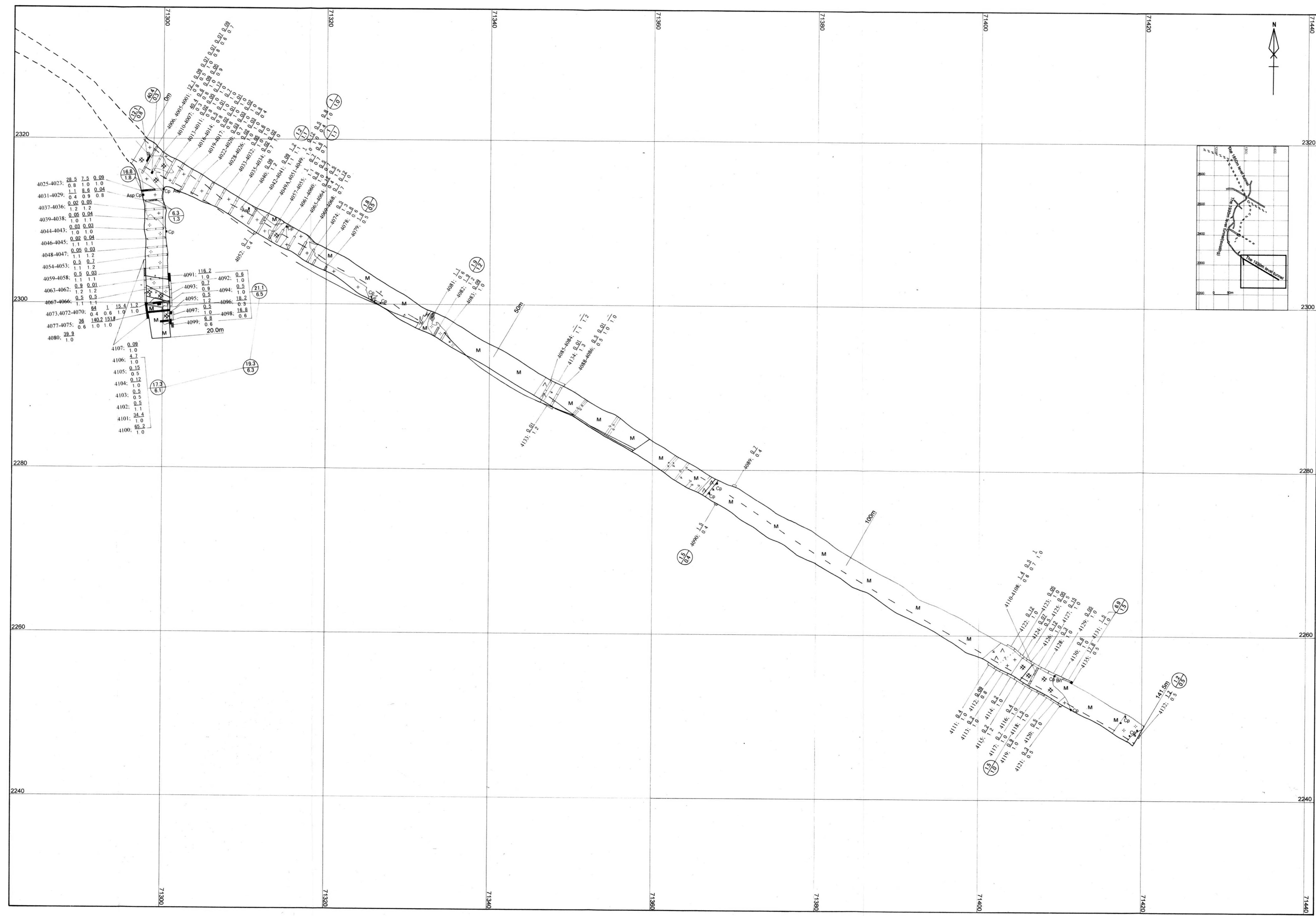
THE MINERAL EXPLORATION IN THE ALAY AREA
THE KYRGHYZ REPUBLIC
(PHASE III)

Geological Plan of the 1930 m Level Tunnel
(1:200)



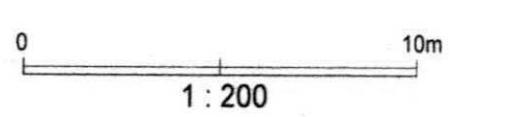
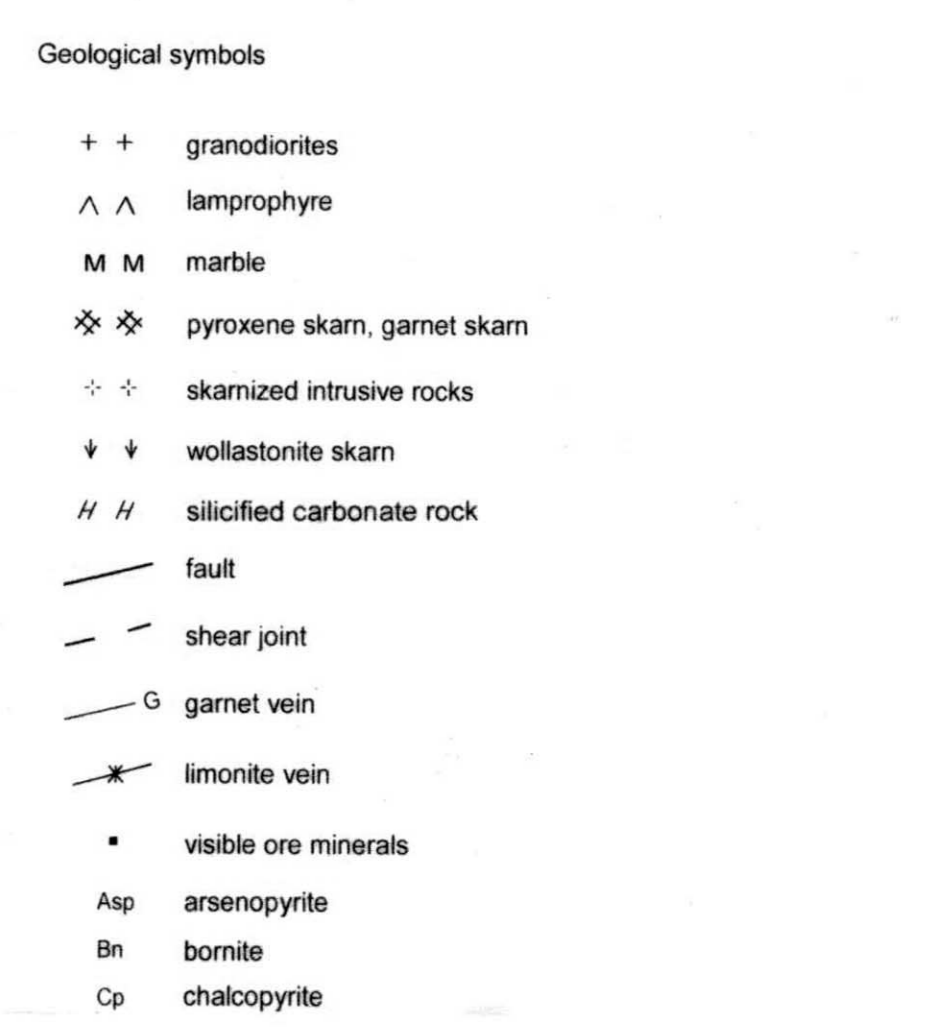
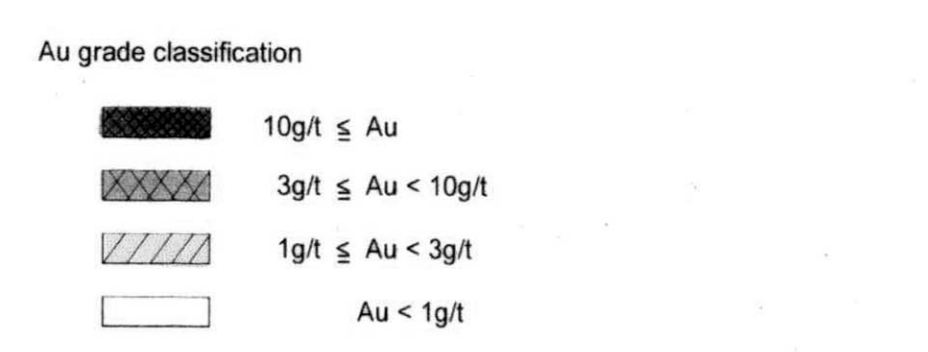
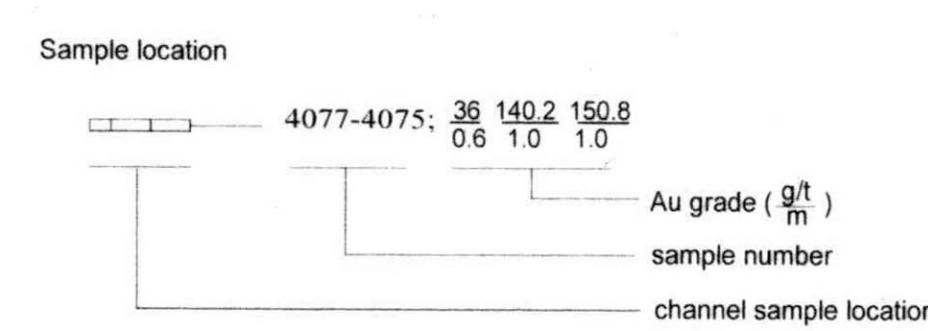
THE MINERAL EXPLORATION IN THE ALAY AREA
THE KYRGYZ REPUBLIC
(PHASE III)

Au Grade Distribution and Location of Assay Samples
in the 1930 m Level Tunnel
(1:200)



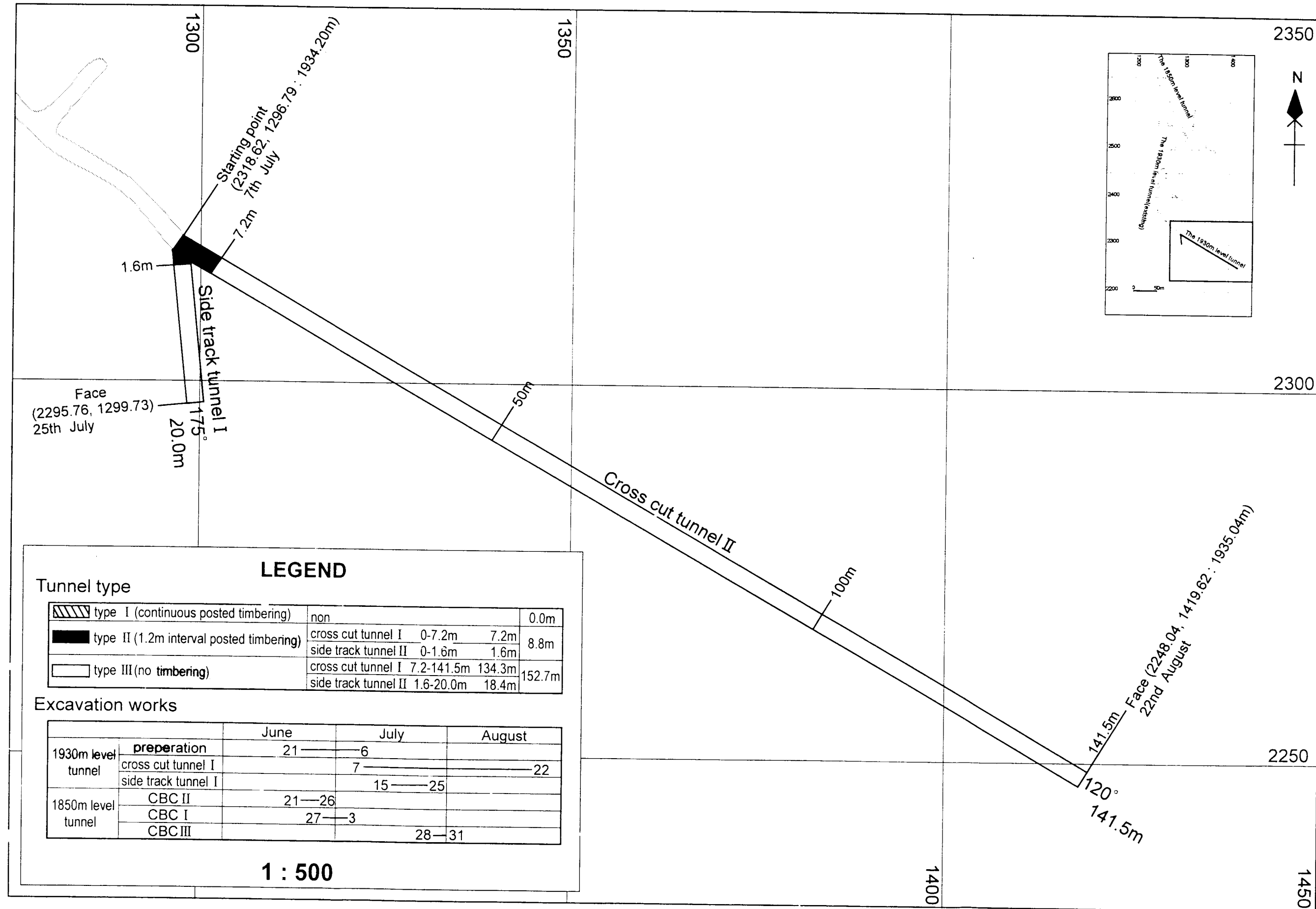
JAPAN INTERNATIONAL COOPERATION AGENCY
METAL MINING AGENCY OF JAPAN
FEBRUARY 2000
Prepared by MNGECCO

LEGEND



THE MINERAL EXPLORATION IN THE ALAY AREA
THE KYRGHYZ REPUBLIC
(PHASE III)

Tunnel Types and its Completion Date
of the 1930 m Level Tunnel
(1:500)



LEGEND

Tunnel type

type I (continuous posted timbering)	non	0.0m
type II (1.2m interval posted timbering)	cross cut tunnel I 0-7.2m side track tunnel II 0-1.6m	7.2m 1.6m 8.8m
type III (no timbering)	cross cut tunnel I 7.2-141.5m side track tunnel II 1.6-20.0m	134.3m 18.4m 152.7m

Excavation works

1930m level tunnel	preparation	June	July	August
	cross cut tunnel I		21—6	7
side track tunnel I			15—25	
1850m level tunnel	CBC II	21—26		
	CBC I	27—3		
	CBC III		28—31	

1 : 500

