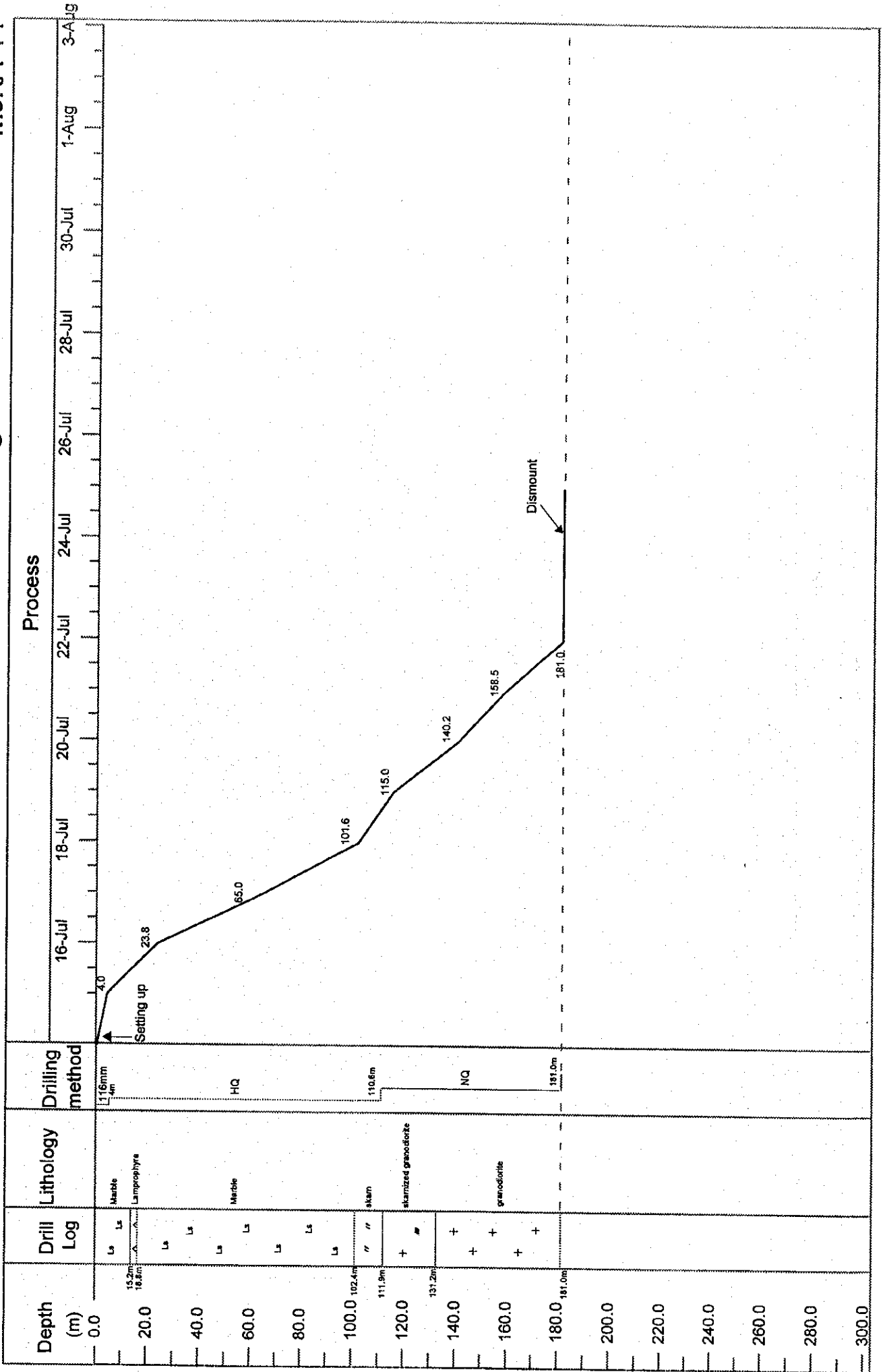


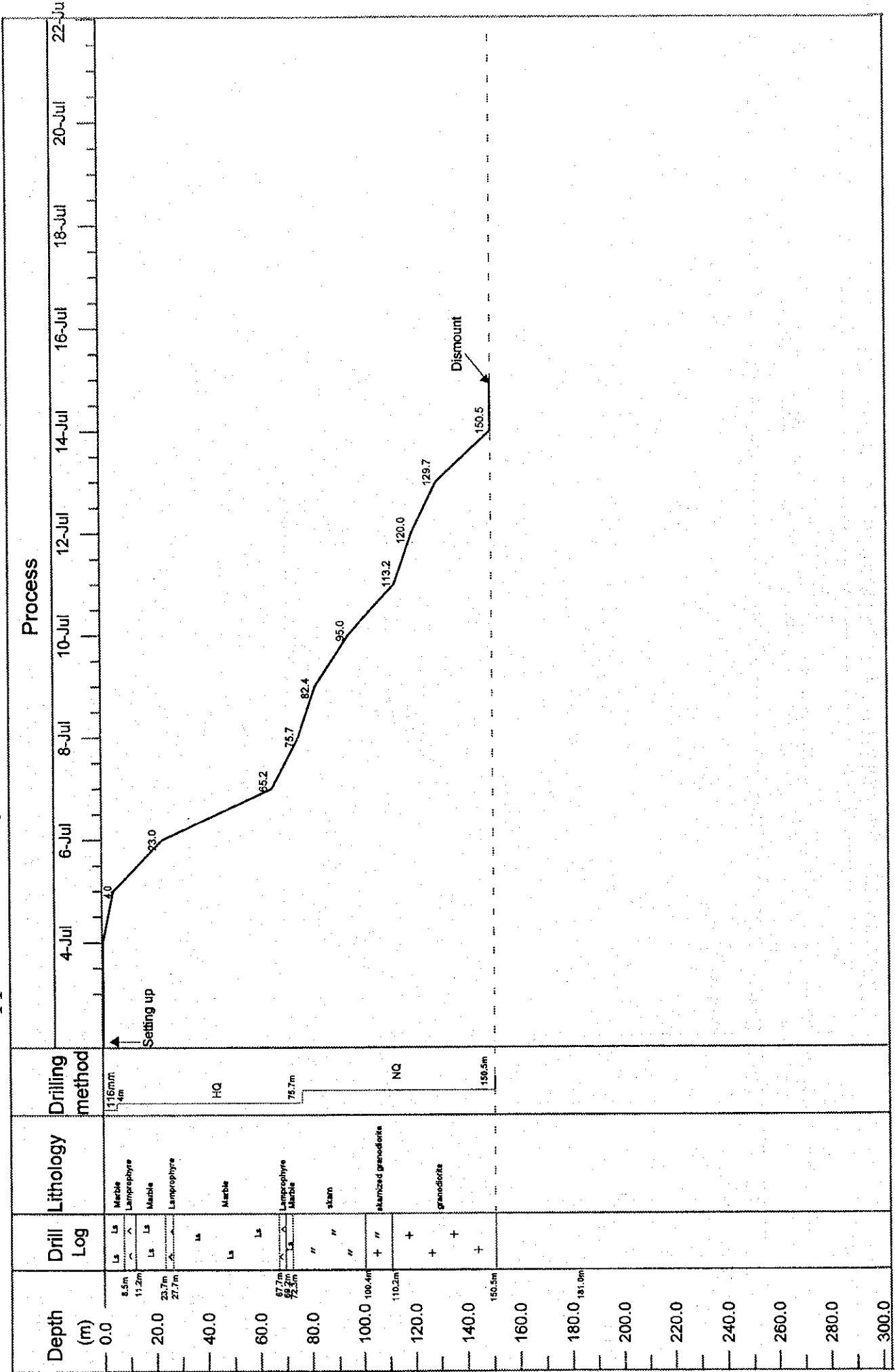
Appendix 23 Progress Record of Diamond Drilling

MJKA-14



# Appendix 23 Progress Record of Diamond Drilling

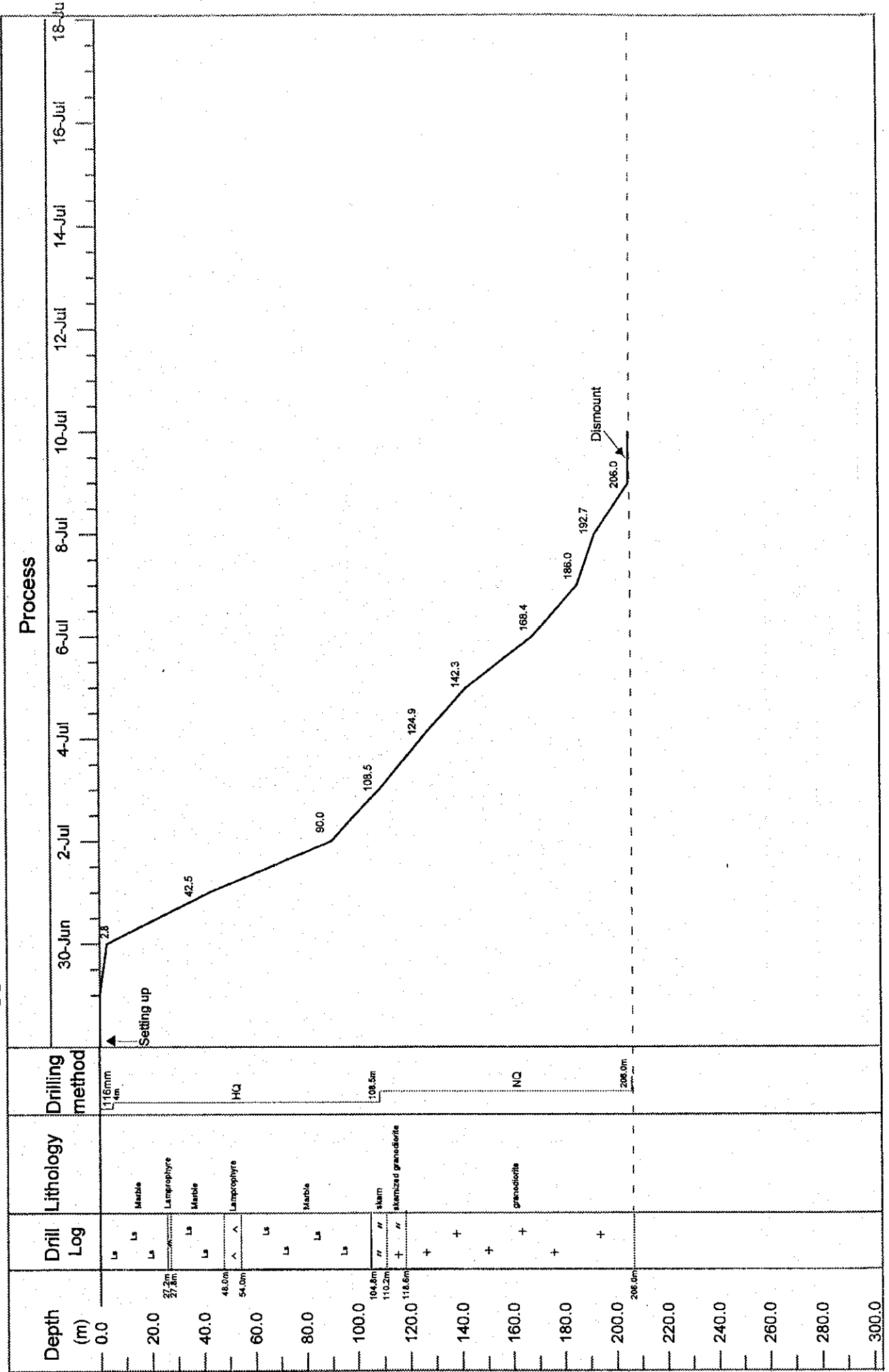
MJKA-15



fb-76

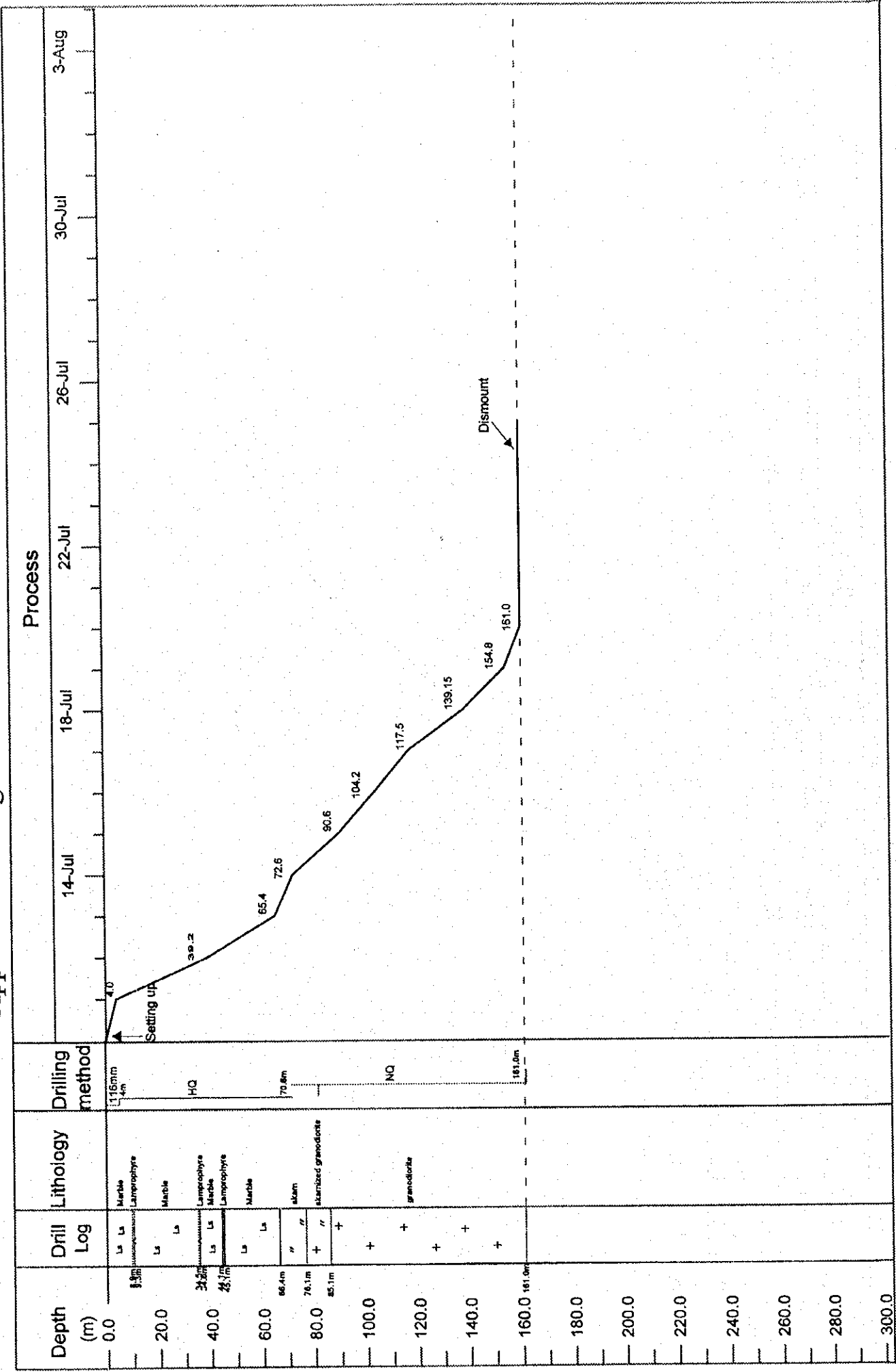
# Appendix 23 Progress Record of Diamond Drilling

MJKA-16



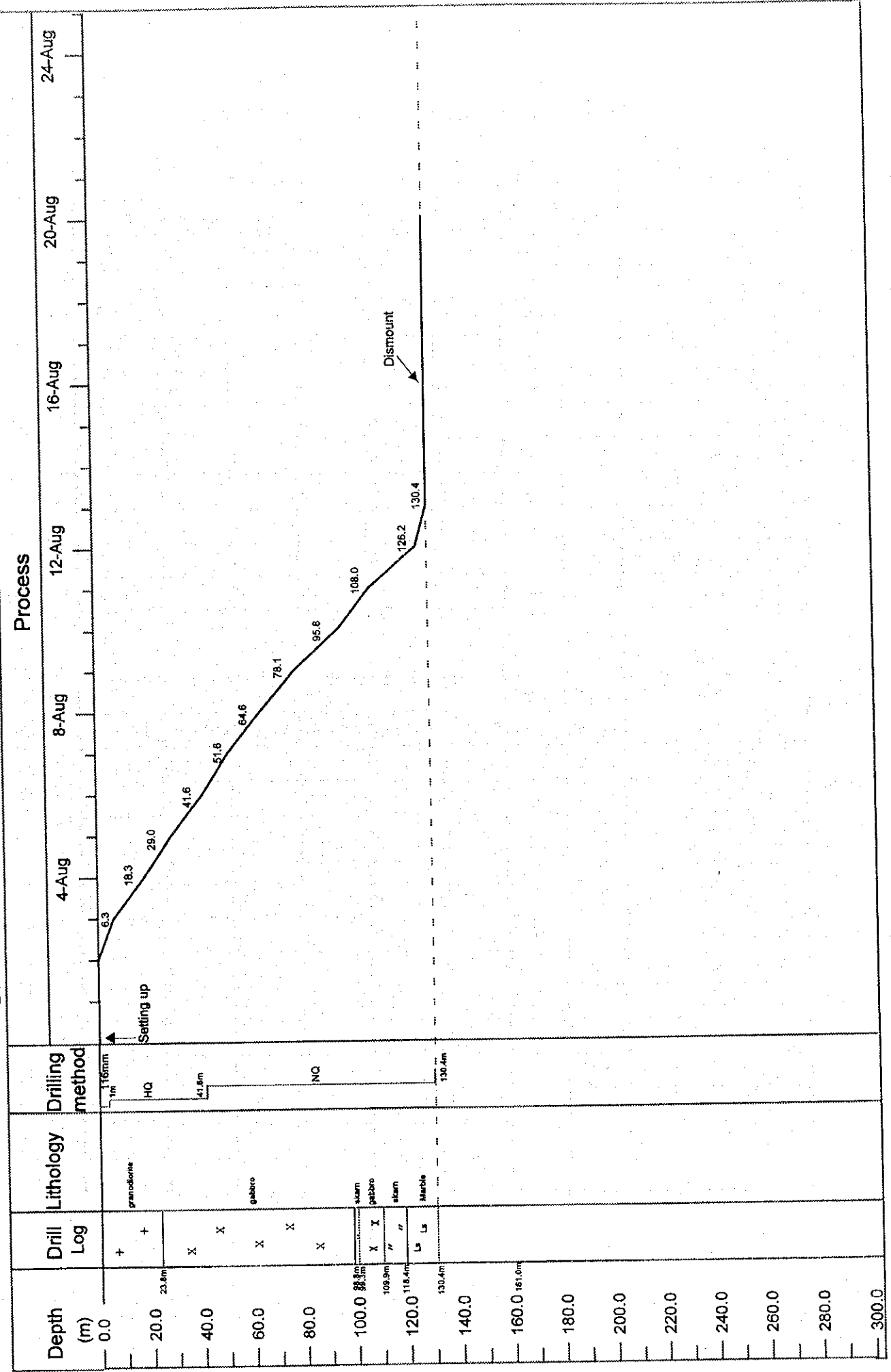
# Appendix 23 Progress Record of Diamond Drilling

MJKA-17



# 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	0.0	0.0	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	0.0	0.0	421.9	20.1

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			
			20.1 m/d			
Total	240h	100%				
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 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
<b>Total</b>	<b>3 July. '99</b>	<b>15 July. '99</b>	<b>12.3</b>	<b>11.0</b>	<b>1.3</b>	<b>192</b>
<b>Drilling length</b>						
Programmed length	150m	Soil, Alluvium etc				0m
Prolongation	0.5m	Core length				150.2m
Effective length	150.5m ③	Core recovery				99.8%
<b>Working hours</b>			<b>Core recovery by each 50 meters</b>			
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						
			<b>Efficiency</b>			
			Effective length ③ / Working drilling days ②			
			15.5 m/d			
			Effective length ③ / Total drilling days ①			
			15.5 m/d			
<b>Total</b>	<b>264.0h</b>	<b>100%</b>				
<b>Drilling length by diameter</b>						
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	
<b>Inserted casing pipes</b>						
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 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
<b>Total</b>	<b>29 June '99</b>	<b>10 July '99</b>	<b>12.0</b>	<b>11.3</b>	<b>0.7</b>	<b>192</b>
<b>Drilling length</b>						
Programmed length	205m		Soil, Alluvium etc			0m
Prolongation	1m		Core length			204.8m
Effective length	206m③		Core recovery			99.4%
<b>Working hours</b>			<b>Core recovery by each 50 meters</b>			
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	
			<b>Efficiency</b>			
			Effective length ③ / Working drilling days ②			
			21.3 m/d			
			Effective length ③ / Total drilling days ①			
<b>Total</b>	272h	100%	21.3 m/d			
<b>Drilling length by diameter</b>						
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
<b>Inserted casing pipes</b>						
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-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
<b>Total</b>	<b>11 July. '99</b>	<b>31 July. '99</b>	<b>21.0</b>	<b>11.7</b>	<b>9.3</b>	<b>240</b>
<b>Drilling length</b>						
Programmed length		160m		Soil, Alluvium etc		0m
Prolongation		1.0m		Core length		160.7m
Effective length		161.0m ③		Core recovery		99.8%
<b>Working hours</b>			<b>Core recovery by each 50 meters</b>			
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%			
				<b>Efficiency</b>		
				Effective length ③ / Working drilling days ②		
				15.6 m/d		
				Effective length ③ / Total drilling days ①		
				11.8 m/d		
<b>Total</b>		<b>288h</b>	<b>100%</b>			
<b>Drilling length by diameter</b>						
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
<b>Inserted casing pipes</b>						
Inserted length by diameter		Inserted length / Drilling length			Withdrawal of pipes	
HW	4.0m	2.5 %			0 %	
NW	70.6m	43.9 %			100 %	

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
<b>Total</b>	<b>1 Aug. '99</b>	<b>20 Aug. '99</b>	<b>20.0</b>	<b>14.4</b>	<b>5.7</b>	<b>340</b>
<b>Drilling length</b>						
Programmed length	110m	Soil, Alluvium etc				0m
Prolongation	20.4m	Core length				129.0m
Effective length	130.4m ③	Core recovery				99%
<b>Working hours</b>			<b>Core recovery by each 50 meters</b>			
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%				
			<b>Efficiency</b>			
			Effective length ③ / Working drilling days ②			
			10.9 m/d			
			Effective length ③ / Total drilling days ①			
<b>Total</b>	<b>352h</b>	<b>100%</b>	<b>10.0 m/d</b>			
<b>Drilling length by diameter</b>						
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
<b>Inserted casing pipes</b>						
Inserted length by diameter		Inserted length / Drilling length			Withdrawal of pipes	
HW	1.0m	0.8 %			100 %	
NW	41.6m	31.9 %			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'

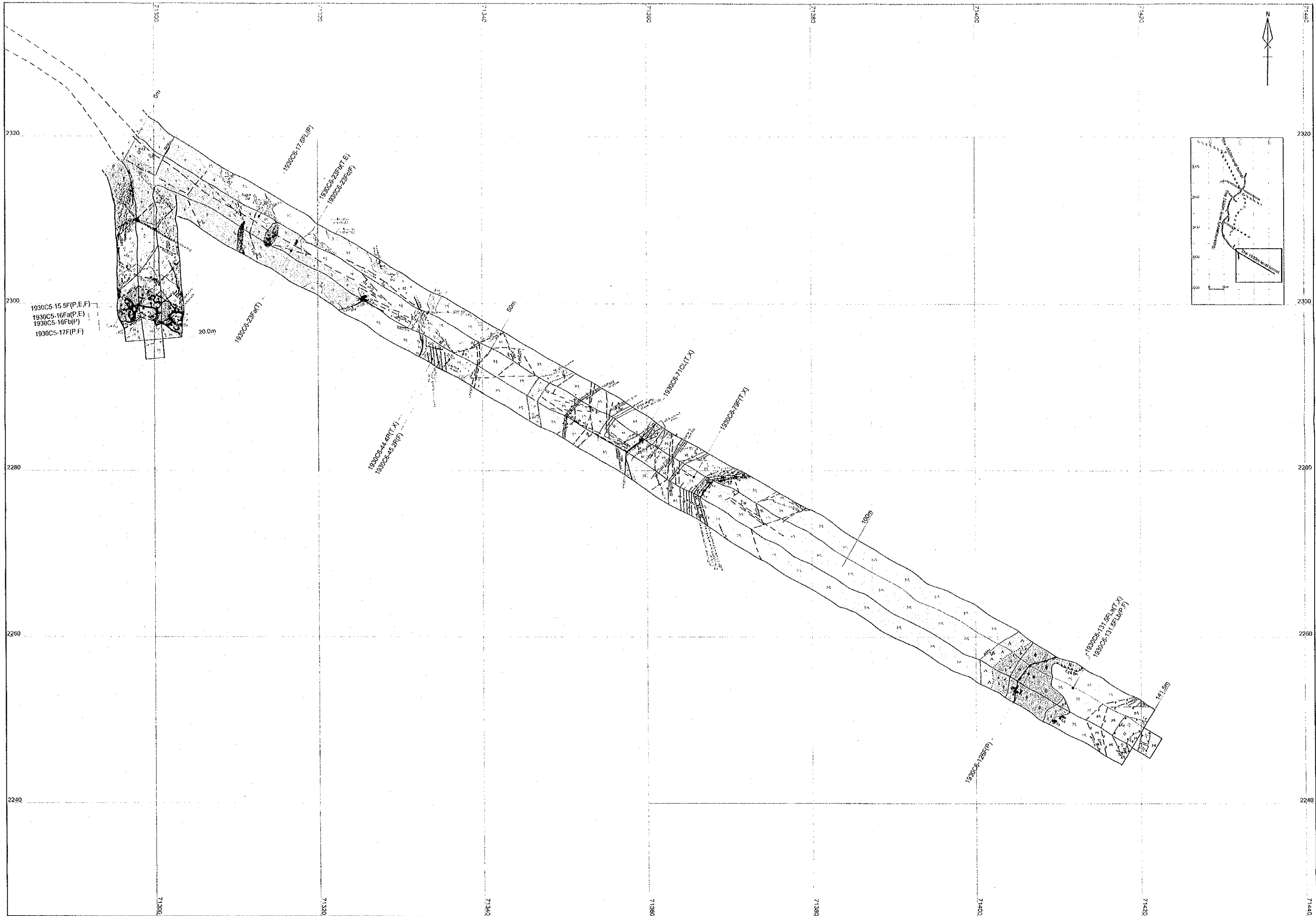
MJKA-15		
Depth(m)	Direction(° )	Dip(-)
10	300	68° 30'
20	305	68° 30'
30	305	68° 00'
40	305	68° 30'
50	300	69° 00'
60	300	69° 00'
70	305	69° 00'
80	305	69° 00'
90	305	69° 00'
100	300	69° 00'
110	300	68° 30'
120	300	68° 30'
130	300	69° 00'
140	300	68° 30'
150	305	69° 00'

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'

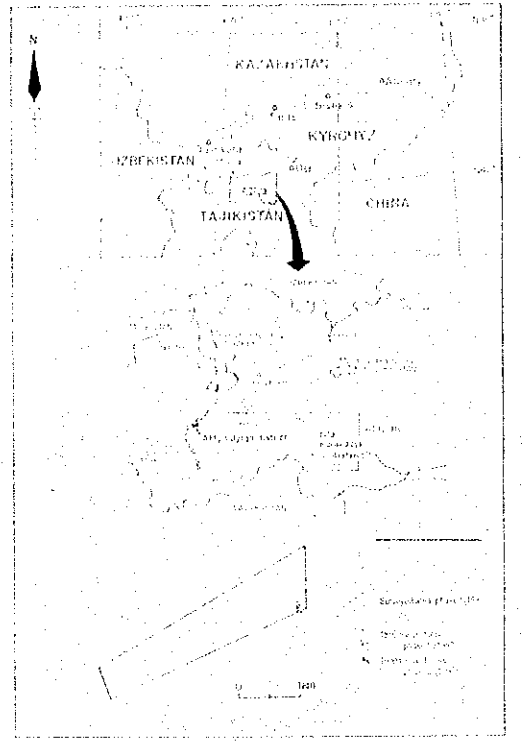
MJKA-18		
Depth(m)	Direction(° )	Dip(-)
10	115	-0° 30'
20	110	-0° 30'
30	110	-0° 30'
40	120	-0° 30'
50	115	-0° 30'
60	115	-0° 30'
70	115	-0° 30'
80	115	-0° 30'
90	110	-0° 30'
100	110	-1° 00'
110	105	-1° 00'
120	105	-1° 00'

104E

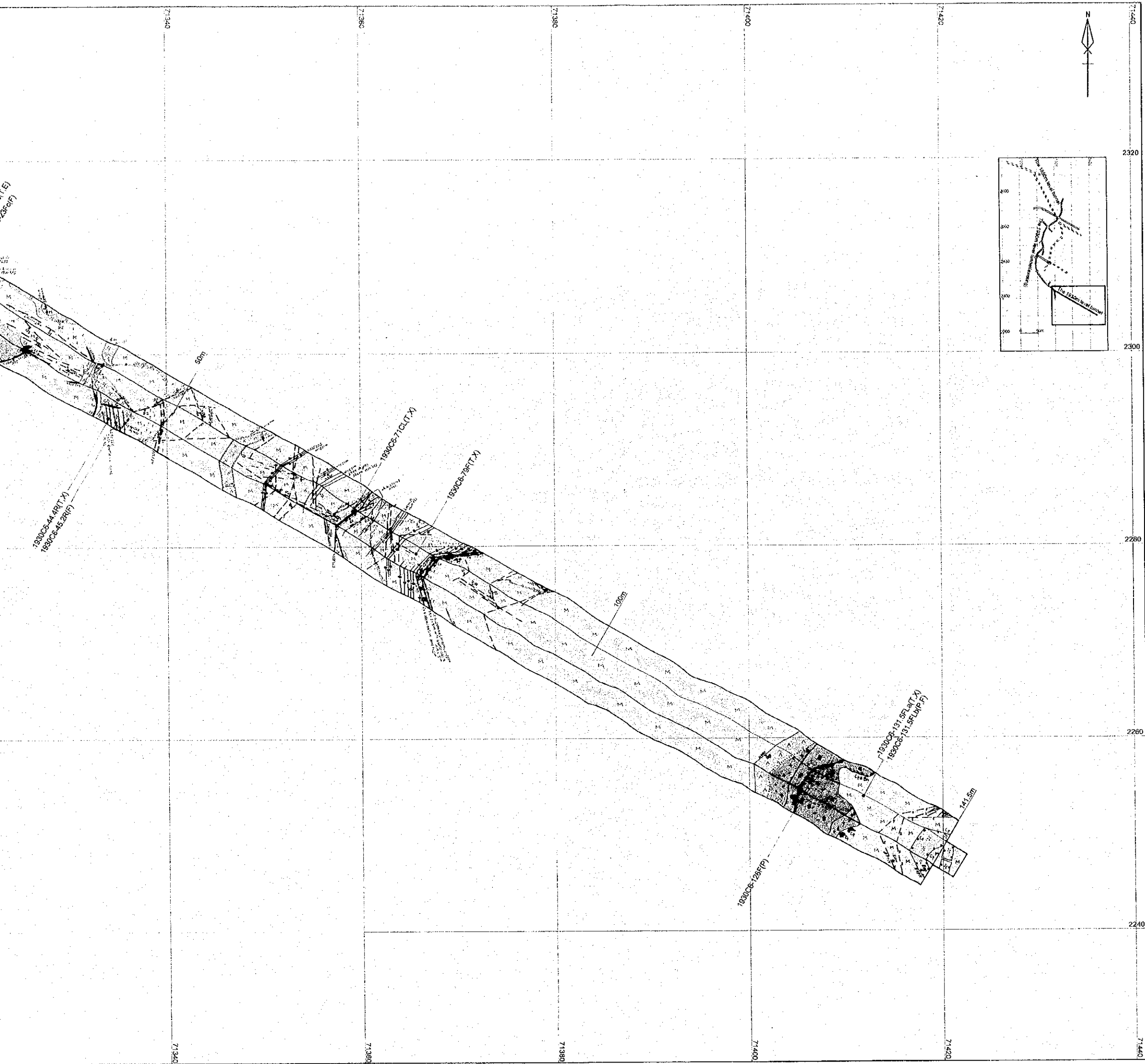


THE MINERAL EXPLORATION IN THE ALAY AREA  
THE KYRGHYZ REPUBLIC  
(PHASE III)

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

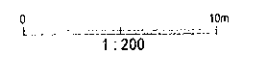


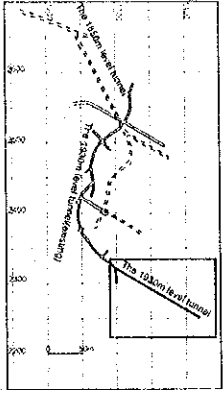
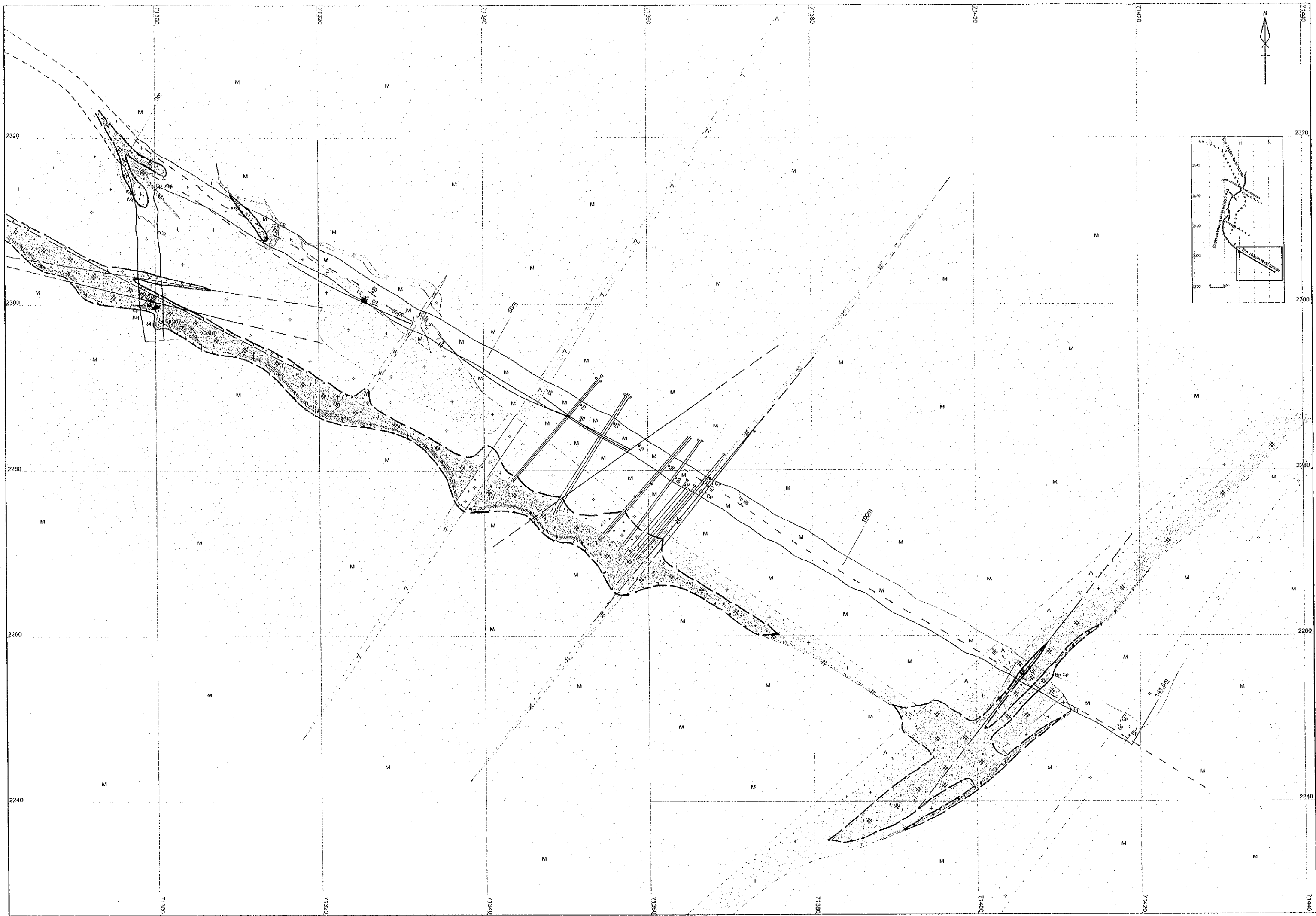
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METAL MINING AGENCY OF JAPAN  
FEBRUARY 2000  
Prepared by MIMDECO



LEGEND

- |   |   |
|---|---|
| <b>Host rocks</b>                         | <b>Others</b>   |
| [G] granodiorites                         | --- alteration boundary                                   |
| [A] lamprophyre                           | --- lithofacies boundary (even intrusive rocks)           |
| [M] marble                                | --- fault   |
|   | --- shear joint   |
| <b>Skarns</b>                             | --- gneiss  |
| [*] garnet skarn                          | --- fault breccia   |
| [*] pyroxene-garnet skarn (Cpx-Ga)        | --- shear joint zone                                      |
| [*] garnet-pyroxene skarn (Ga-Cpx)        | ○ plagioclase megacryst                                   |
| [*] pyroxene skarn (medium grain)         | ○ marginal facies of dikes                                |
| [*] pyroxene skarn (very fine grain)      | ○ survey point (2318 14, 1298 20)                         |
| [*] pyroxene big crystals                 |   |
| [H] silicified carbonate rock             | <b>Abbreviations</b>                                      |
| [W] wolastonite skarn                     | Asp arsenopyrite  |
| [G-Cpx-Hb-Bi] Ga-Cpx-Hb-Bi band in marble | Bn bornite  |
| [G] garnet                                | Cp chalcopyrite   |
|   | Cpx clinopyroxene   |
|   | Ga garnet   |
|   | Mo molybdenite  |
|   | Py pyrite   |
| <b>Mineralization &amp; Alteration</b>    | <b>Sample location</b>                                    |
| [*] skarnized intrusive rocks             | • 1930C5-23F(P)   |
| [*] argillization                         |   |
| [*] dissemination of sulphide minerals    | (T) thin section  |
| [*] concentration of sulphide minerals    | (P) polished thin section                                 |
| [Cu] green copper                         | (X) X ray diffraction                                     |
| [X] limonite                              | (E) homogenization temp                                   |
|   | (E) EPMA  |
|   | (M) mineral separation test                               |
| <b>Veins</b>                              | R right wall  |
| +++ quartz vein                           | L left wall   |
| ++ calcite vein                           | F face  |
| + quartz-calcite vein                     | FR right corner on a face                                 |
| - garnet vein                             | FL left corner on a face                                  |
|   | C roof  |
|   | 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                                     |
|   | CG cross cut tunnel I                                     |
|   | level of sampling tunnel in master                        |

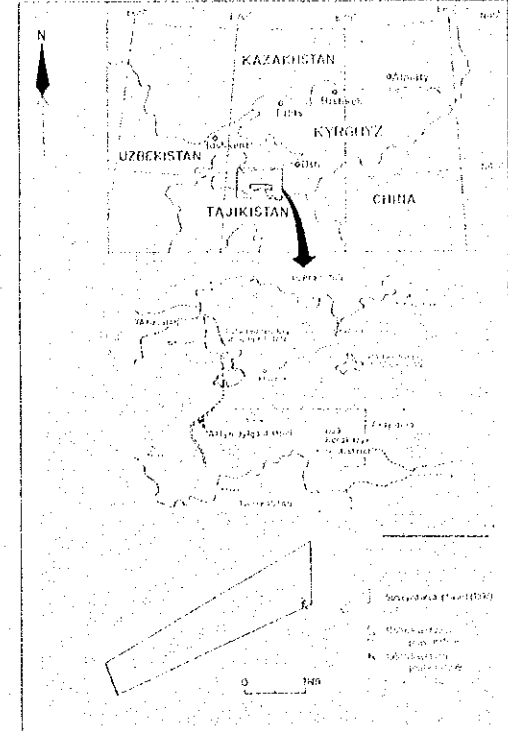
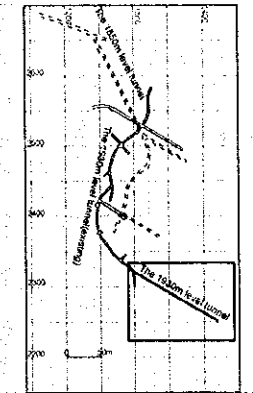
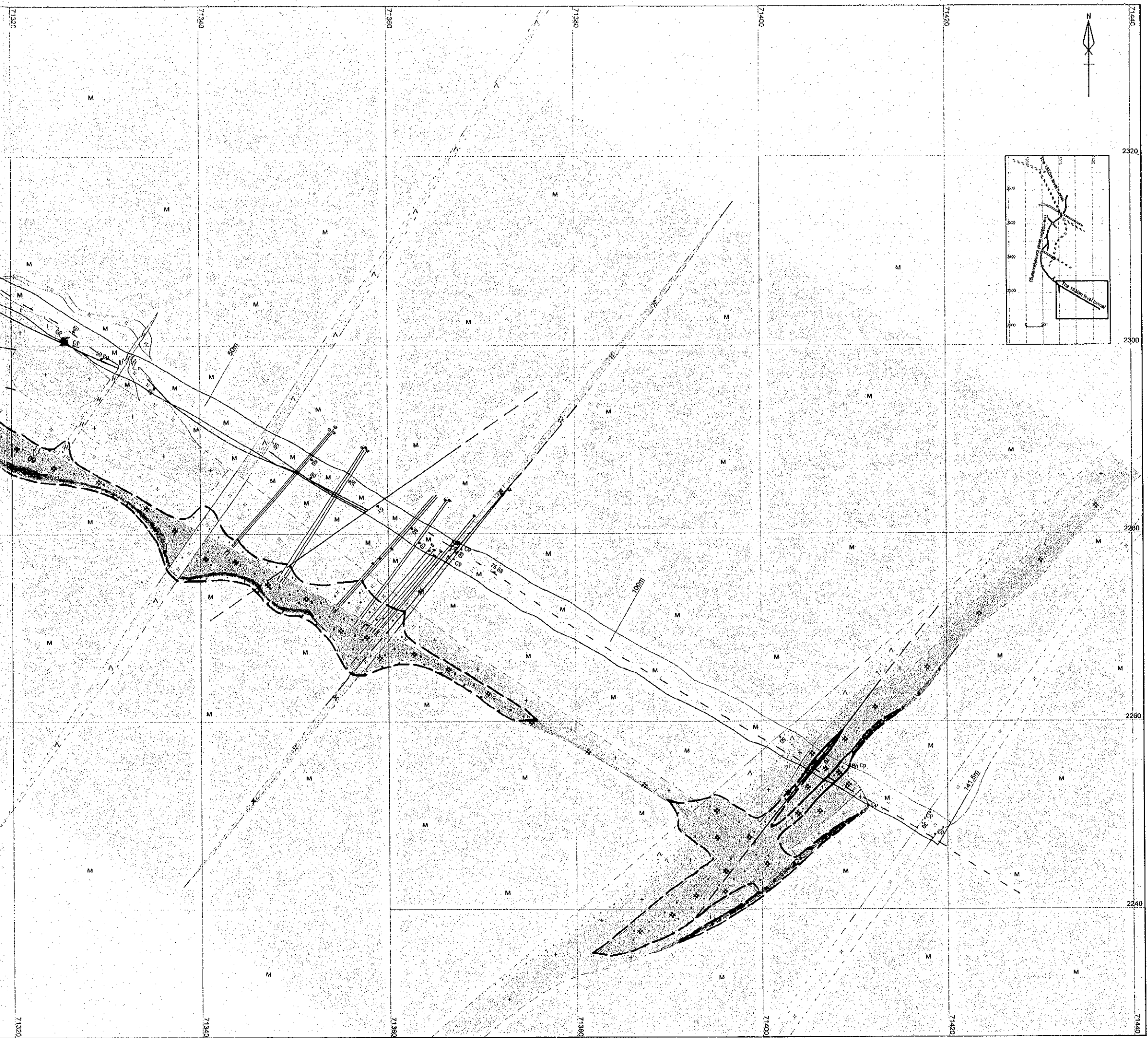






THE MINERAL EXPLORATION IN THE ALAY AREA  
THE KYRGHYZ REPUBLIC  
(PHASE III)

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



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FEBRUARY 2000  
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LEGEND

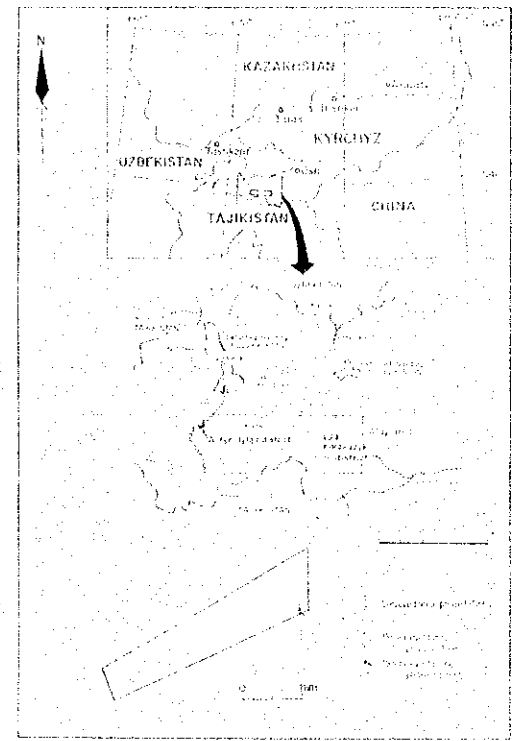
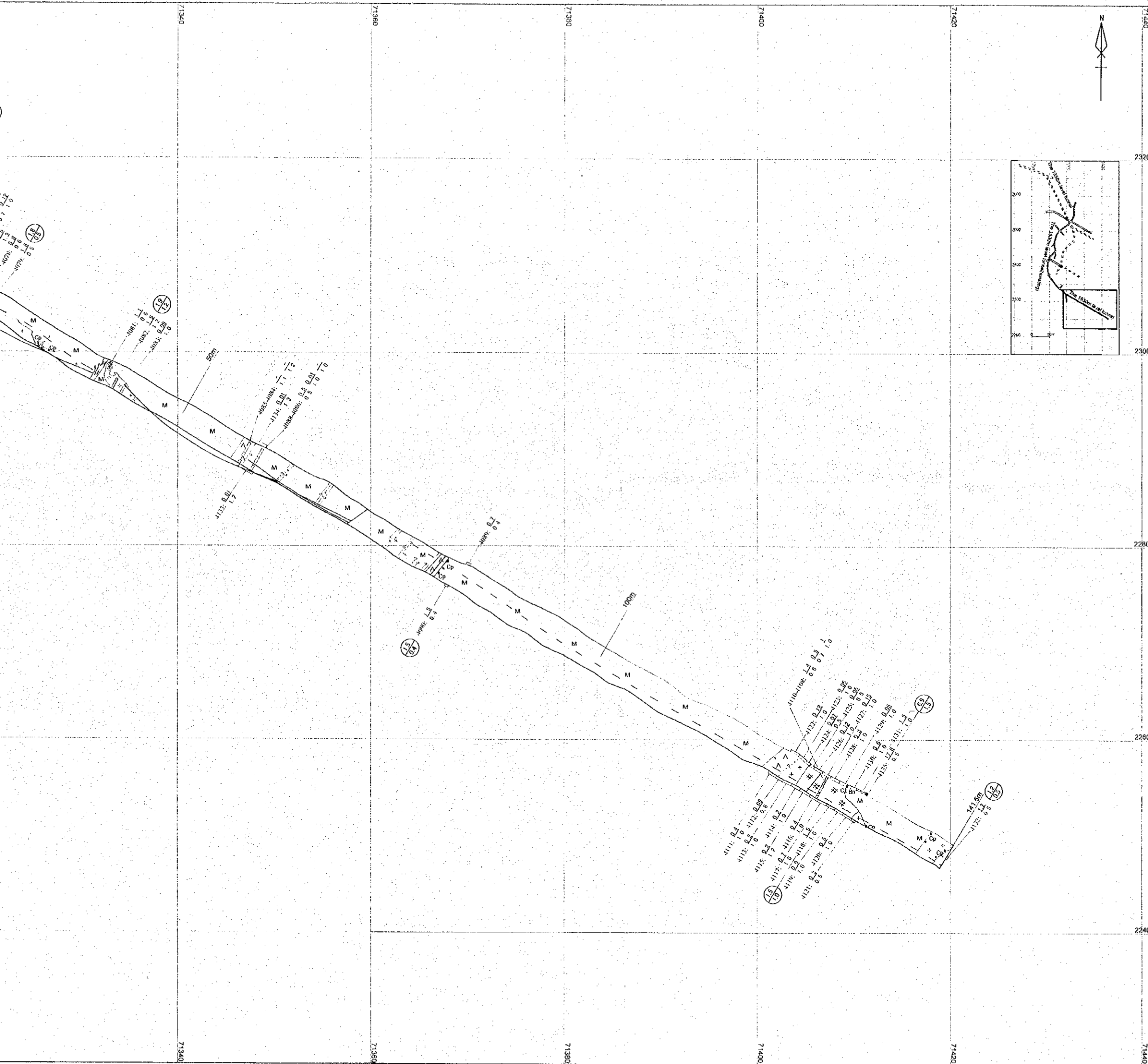
- Alay-Jylga intrusive rocks
  - granodiorites (2821.14Ma)
  - lamprophyre (2991.15Ma)
- Permian-Carboniferous
  - marble
- Kumbel formation
  - marble
- Skarn
  - pyroxene skarn, garnet skarn
  - skarnized intrusive rocks
  - wollastonite skarn
  - silicified carbonate rock
- Others
  - ore body (Au > 1g/t)
  - fault
  - shear joint
  - G garnet vein
  - limonite vein
  - visible ore minerals
  - Asp arsenopyrite
  - Bn bornite
  - Cp chalcopyrite

0 10m  
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)



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FEBRUARY 2000  
Prepared by MAF/FCO

LEGEND

Sample location  
 1077-1075: 39 149.2 150.8  
 0.5 1.0 1.0  
 Au grade (g/t)  
 sample number  
 channel sample location

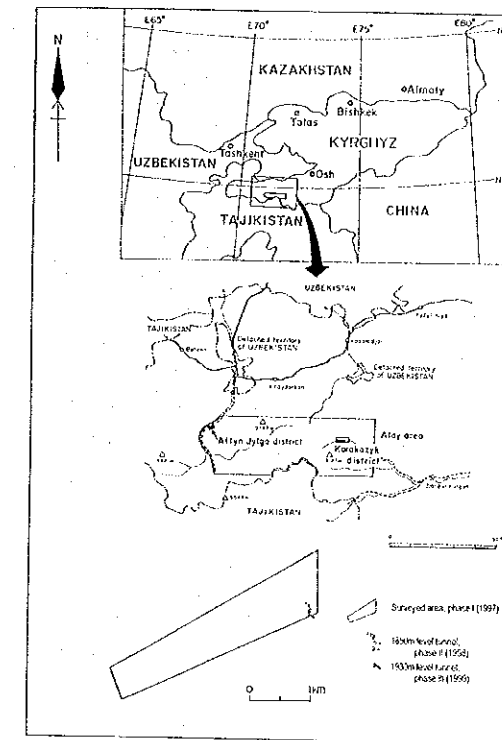
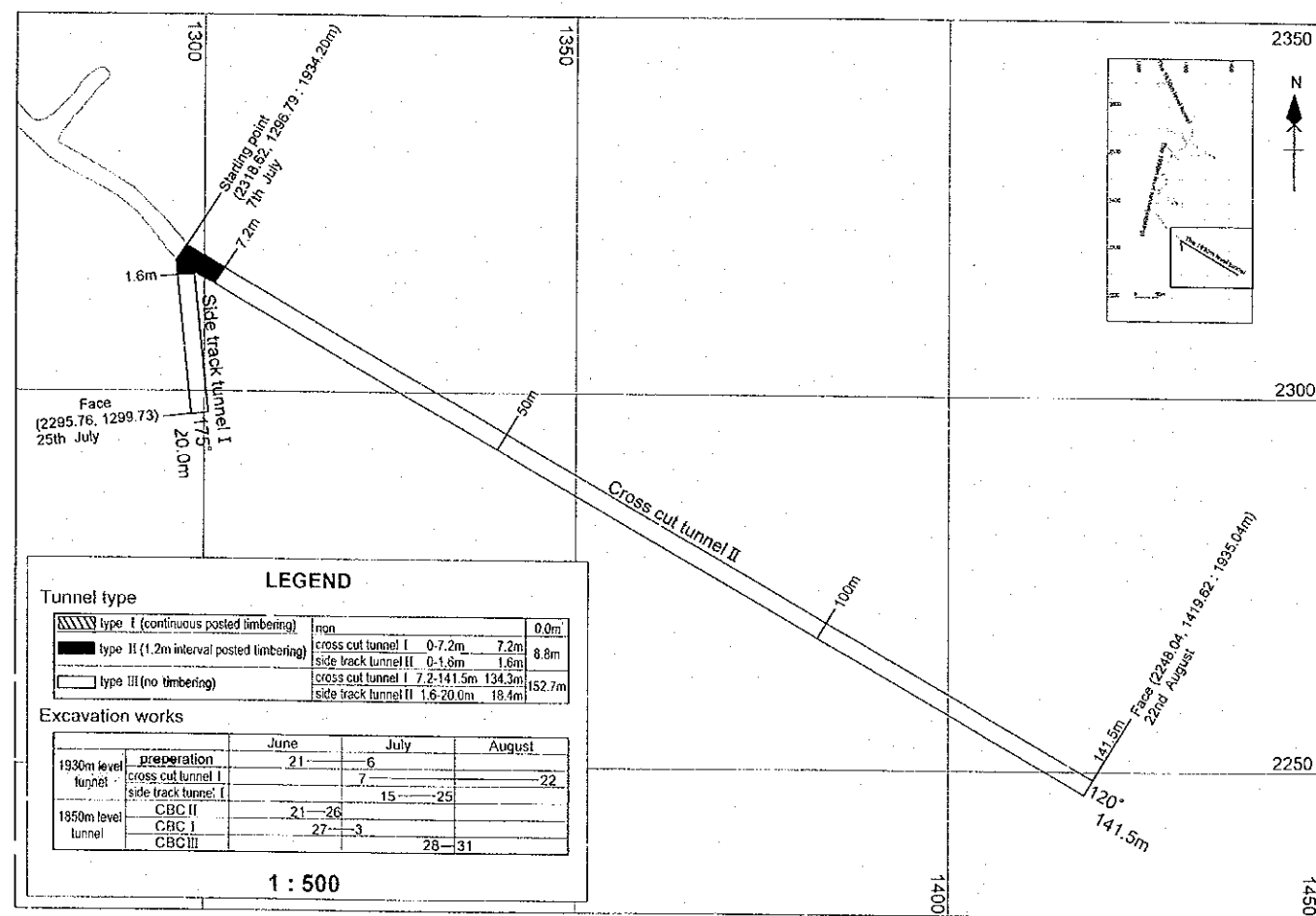
Au grade classification  
 10g/t ≤ Au  
 3g/t ≤ Au < 10g/t  
 1g/t ≤ Au < 3g/t  
 Au < 1g/t

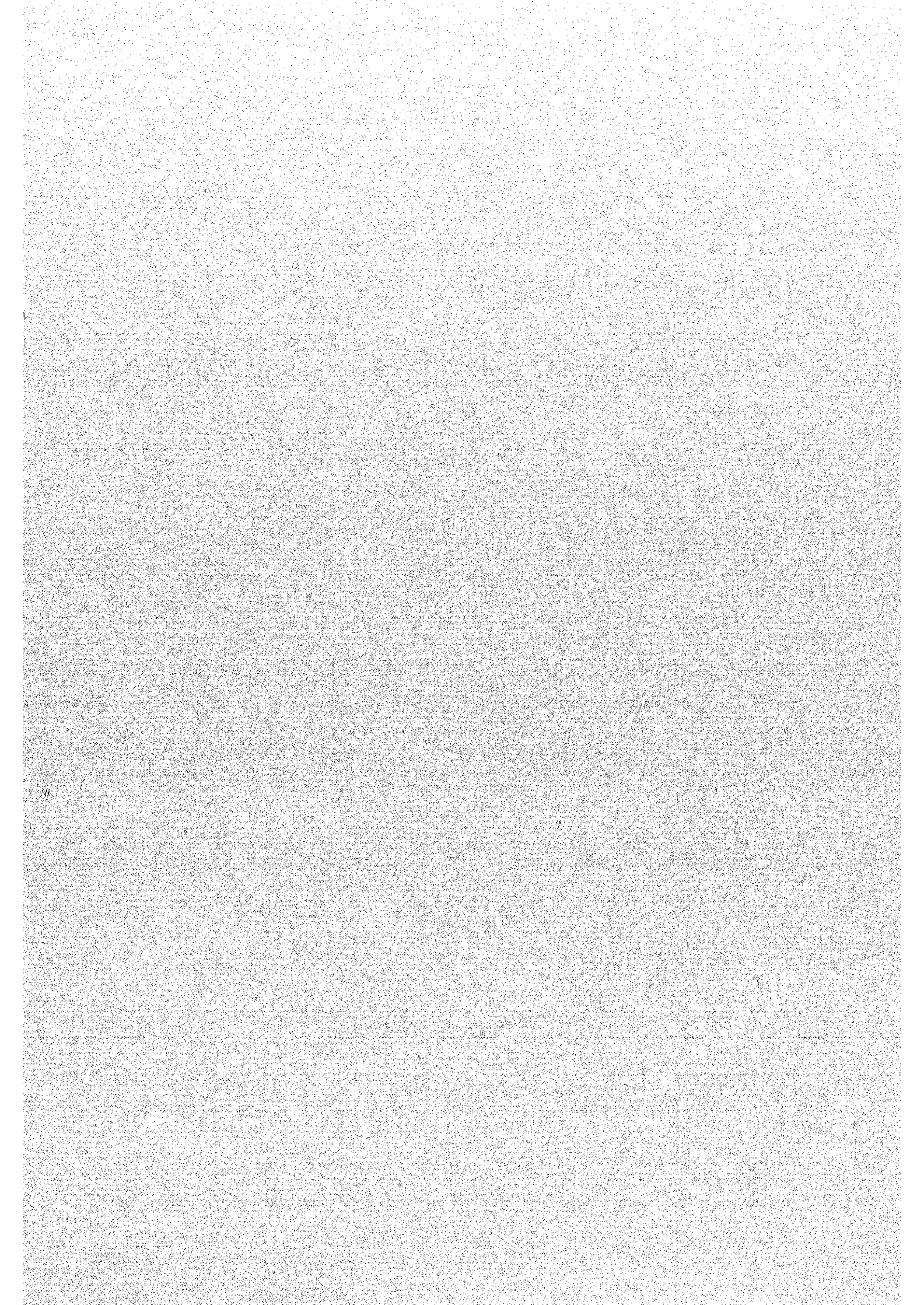
Geological symbols  
 I I granodiorites  
 A A feldspar  
 M M marble  
 \* \* pyroxene skarn, garnet skarn  
 + + skarnized intrusive rocks  
 + + wollastonite skarn  
 // // silicified carbonate rock  
 - - fault  
 - - shear joint  
 - G garnet vein  
 - fimonite vein  
 \* visible ore minerals  
 Asp arsenopyrite  
 Bn bornite  
 Cp chalcopyrite

0 10m  
 1:200

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)







JICA