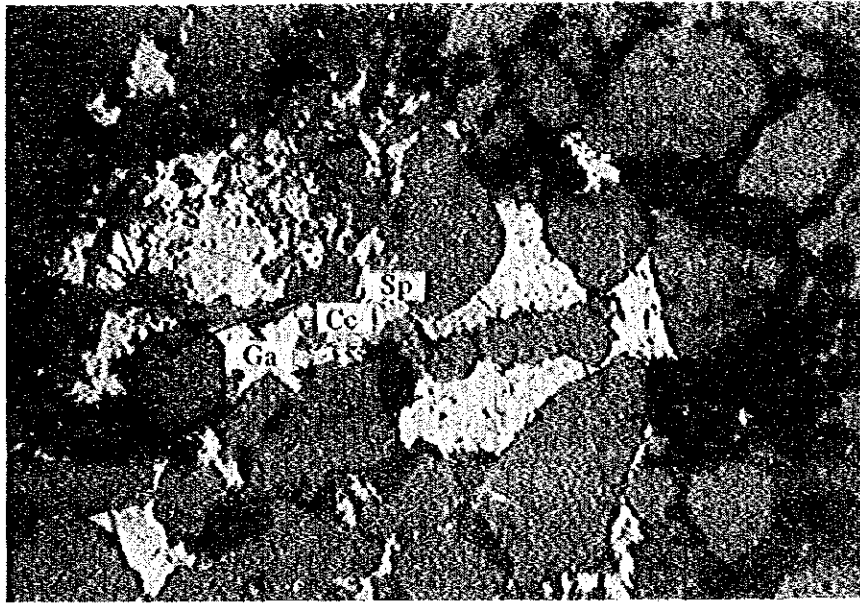


1.



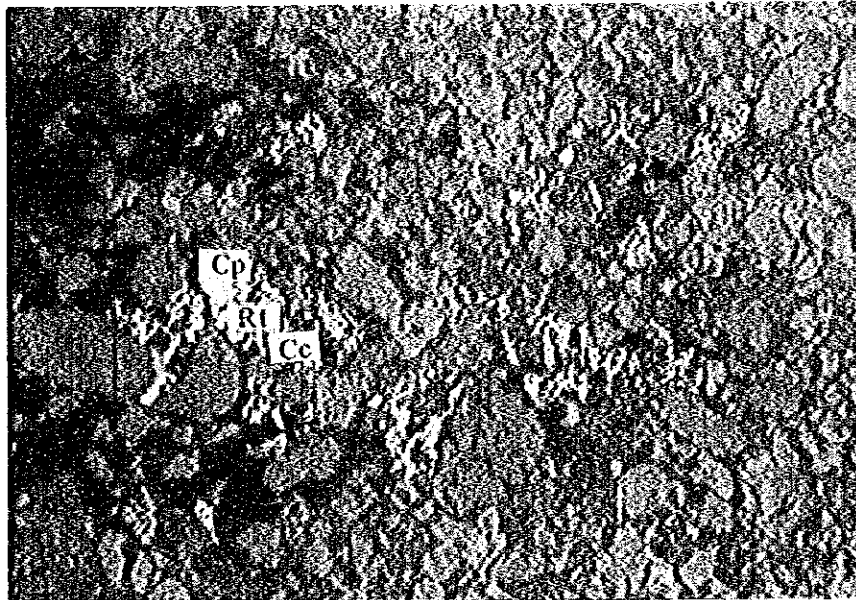
Sample No.: MR-1-1075

0 0.2 mm

Rock name : Siltstone

(P-T Red Sandstone Formation)

2.



Sample No.: MR-1-1132

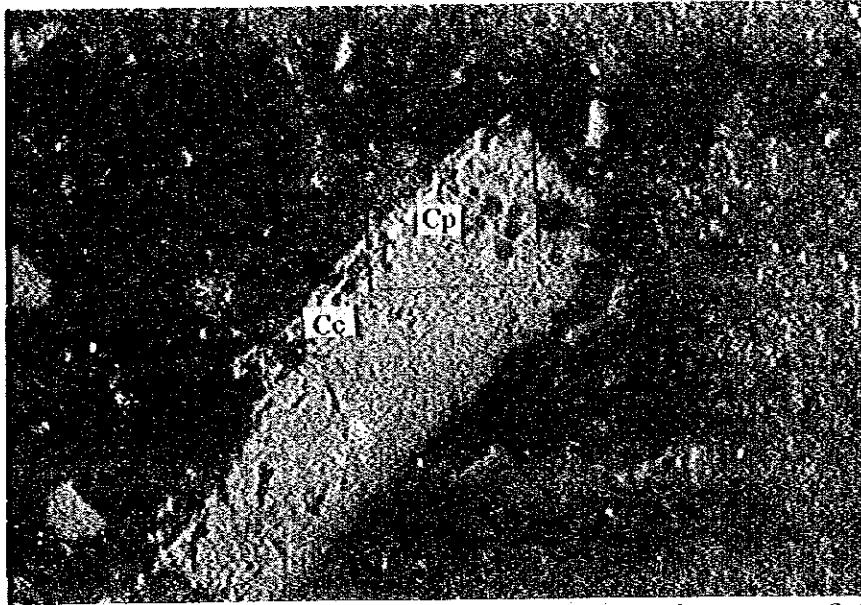
0 0.2 mm

Rock name : Siltstone

(P-T Red Sandstone Formation)



3.



0 0.2 mm
└──────────┘

Sample No.: MR-1-1145

Rock name : Granite
(Basement)

4.



0 0.2 mm
└──────────┘

Sample No.: MR-2-2221

Rock name : Siltstone
(P-T Red Sandstone Formation)

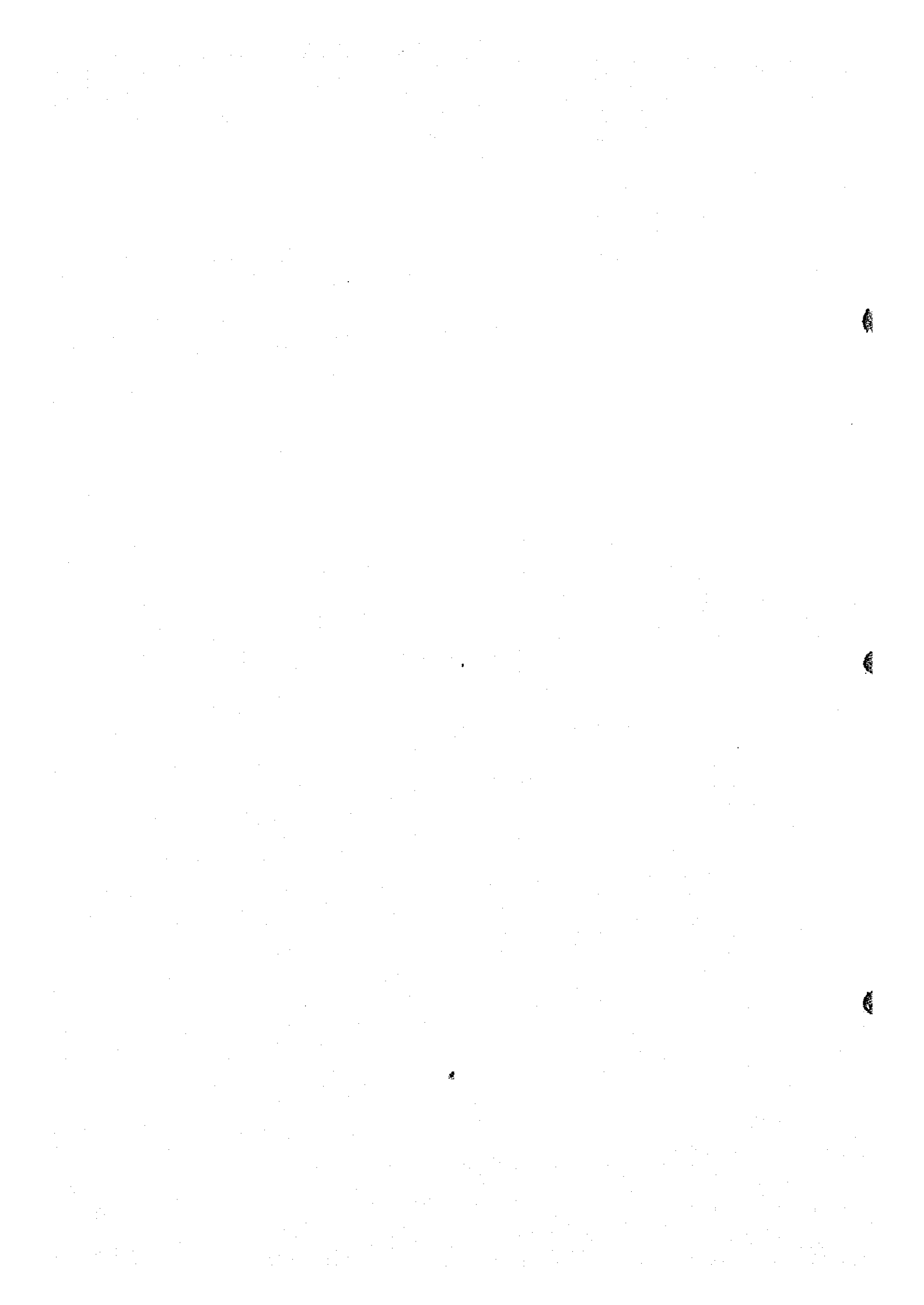


Fig. III—8 Photomicrographs of X-ray Microanalysis

Abbreviation

Ba : Barite

Be : Bequerelite

Ca : Carnotite

Ce : Cerussite

Co : Co-Mn mineral

Fe : Fervanite

Fl : Fluorite

Ga : Galena

He : Hematite

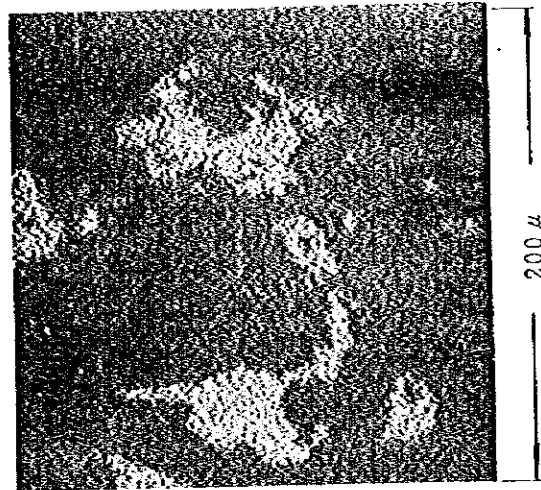
U : Uraninite or Pitchblende



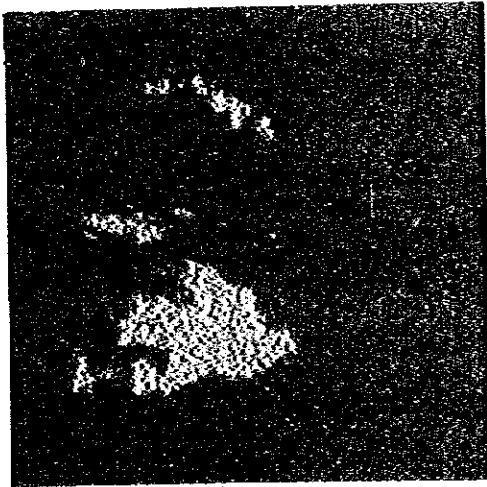
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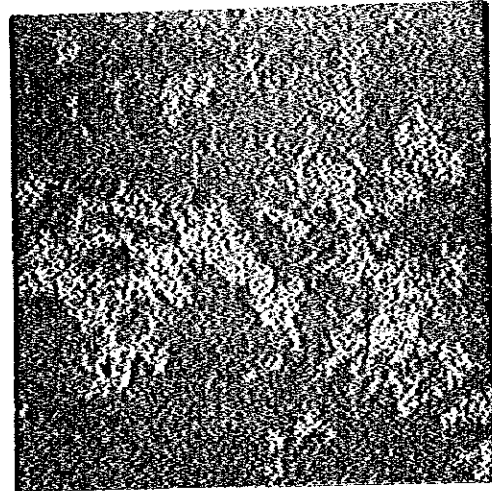
Absorbed electron image



Pb X-ray image



Cu X-ray image



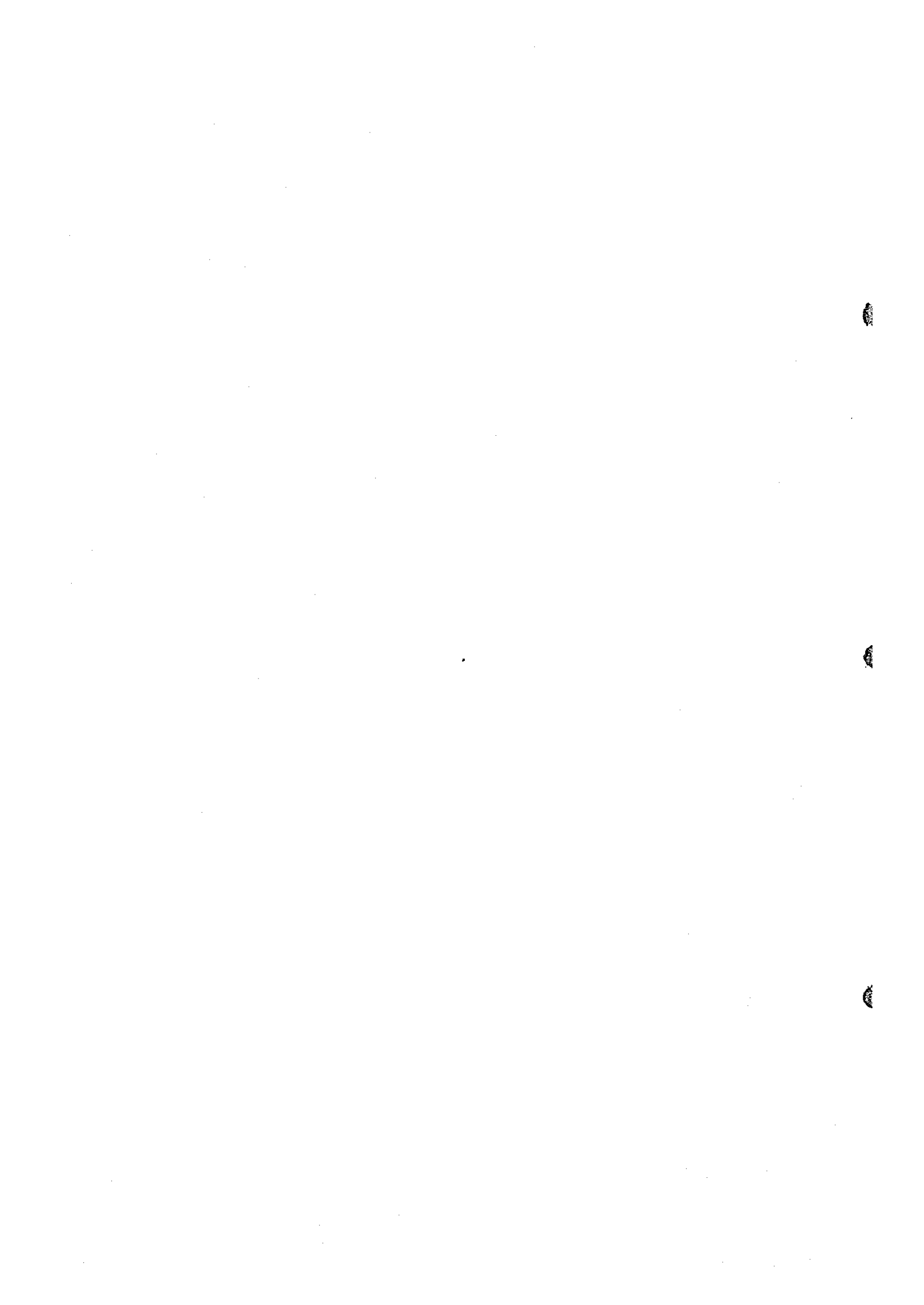
Zn X-ray image

Sample No. : MR-1-1075

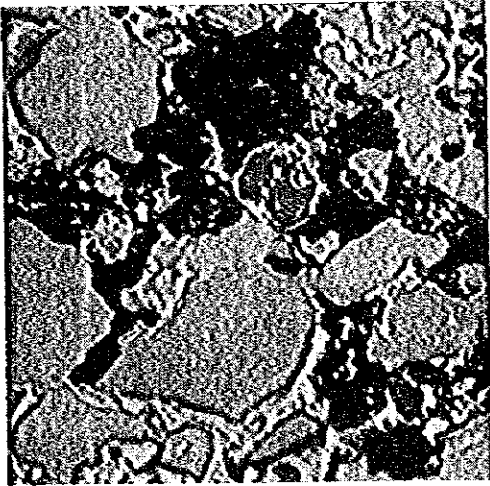
Accelerating Voltage : 25 KV

Absorbed Electron Current: 0.2 μ A

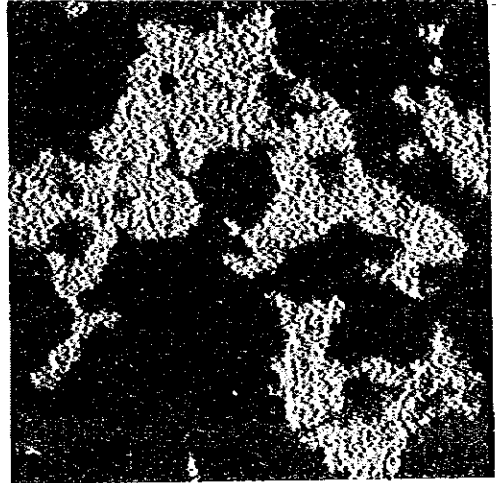
Magnification : x300



2.



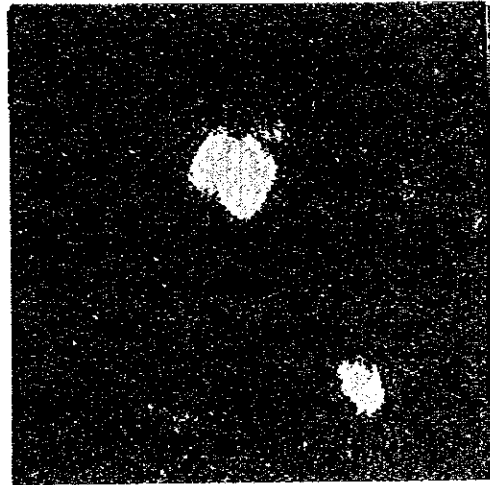
Absorbed electron image



Cu X-ray image



Fe X-ray image



Ti X-ray image

Sample No. : MR-1-1132

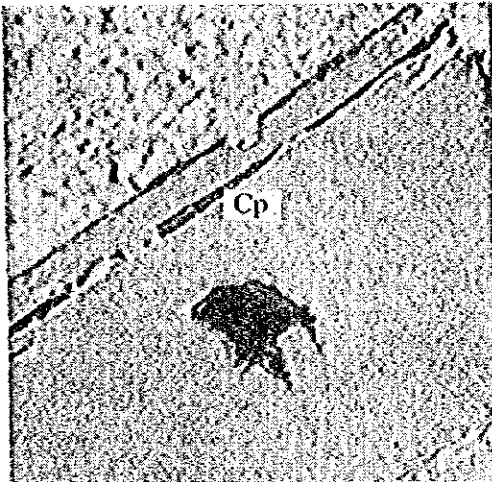
Accelerating Voltage : 25 KV

Absorbed Electron Current: 0.2 μ A

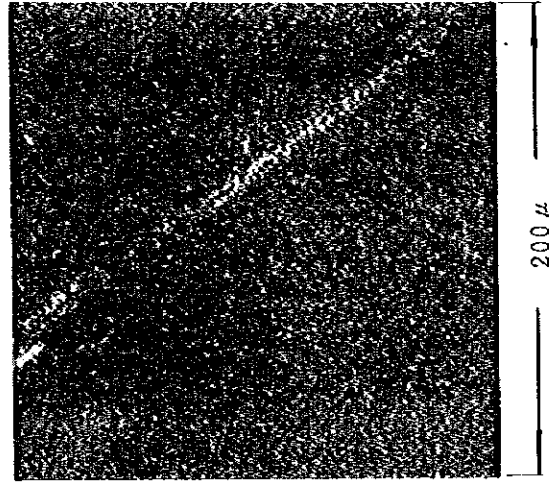
Magnification : x300



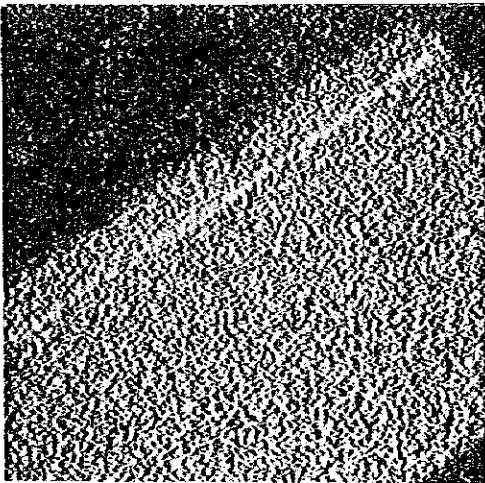
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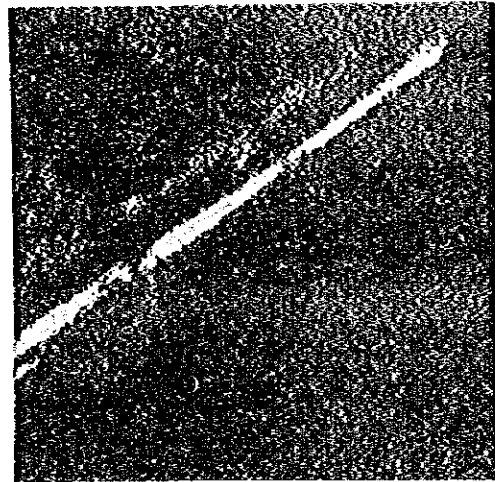
Absorbed electron image



Cu. X-ray image



Fe X-ray image



S X-ray image

Sample No. : MR-1-1145

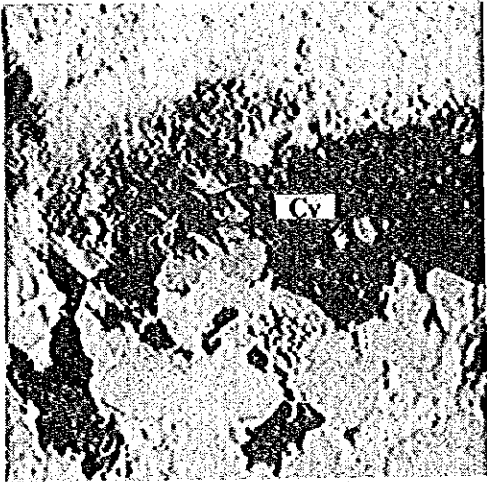
Accelerating Voltage : 25 KV

Absorbed Electron Current: 0.2 μ A

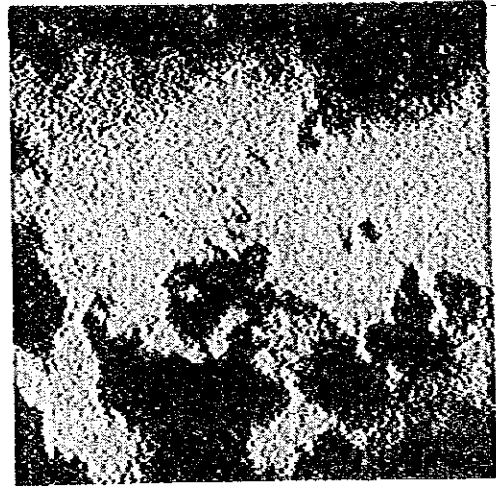
Magnification : x300



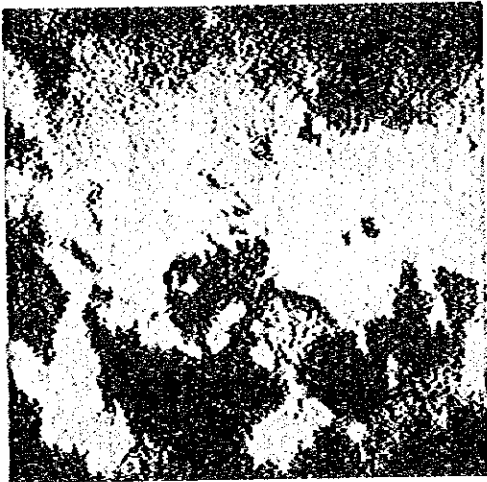
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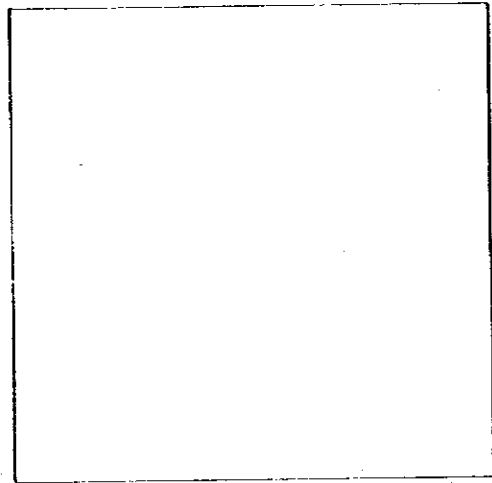
Absorbed electron image



Cu X-ray image



S X-ray image



Sample No. : MR-2-2221

Accelerating Voltage : 25 KV

Absorbed Electron Current: 0.2 μ A

Magnification : x300

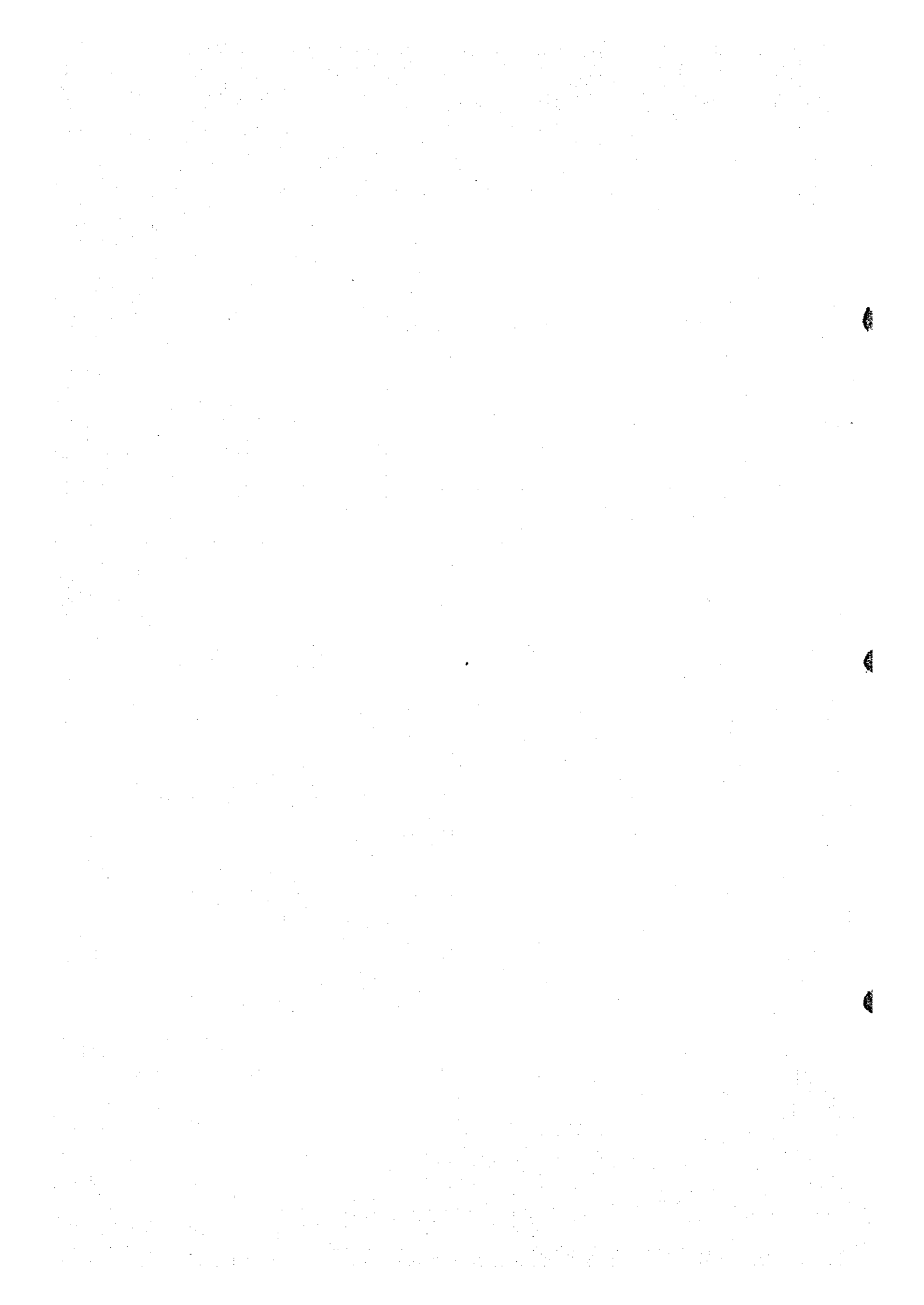
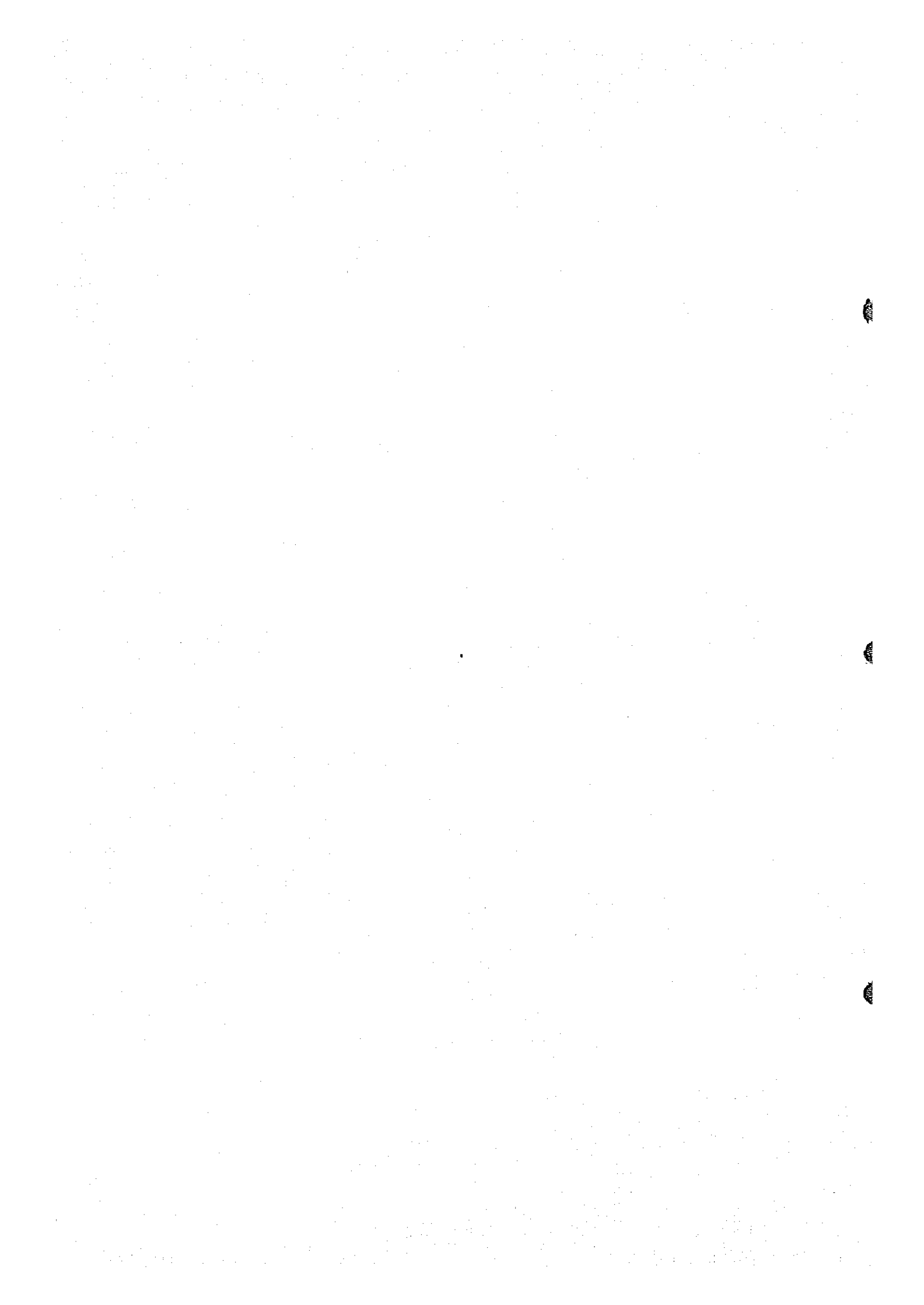


Table III-1 Drilling Machine and Materials

(Drilling Machine: Craelius D-1000)

(1)

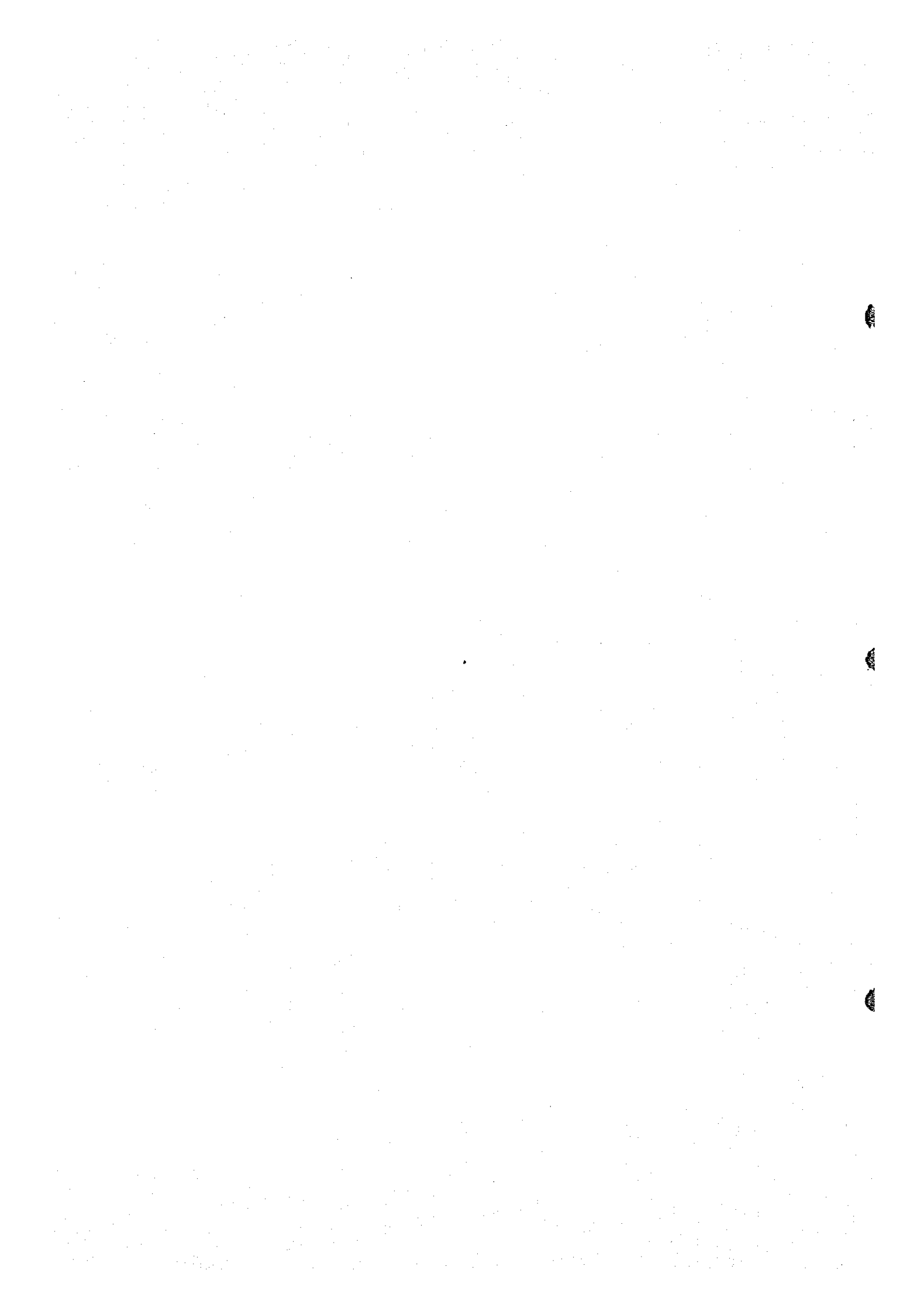
| Item | Model | Quantity | Capacity, Type and Specification | |
|------------------|------------------|----------|--|-----------|
| Drilling machine | Craelius D-1000 | 1 | Capacity: BQ 650 m | |
| Engine for drill | F4L-912 | 1 | Diesel engine 2,150 rpm/52 PS | |
| Pump | Longyear 314 | 1 | Capacity 53 l/min Pressure 21 ~ 35 kg/cm ² | |
| Engine for pump | F2L-411D | 1 | Diesel engine 2,200 rpm/18 PS | |
| Pump | Richer P438 | 1 | | |
| Engine for pump | Bernard Type 110 | 1 | | |
| Derrick | | 1 | Steel structural derrick lifting 6 m height | |
| Drill rods | HQ | 24 | 3.00 m/pc | |
| | HQ | 2 | 1.50 m/pc | |
| | NQ | 56 | 3.00 m/pc | |
| | NQ | 4 | 1.50 m/pc | |
| | BQ | 90 | 3.00 m/pc | |
| | BQ | 2 | 1.50 m/pc | |
| | Casing pipes | HW | 2 | 3.00 m/pc |
| | | HW | 1 | 1.50 m/pc |
| | | HW | 1 | 0.50 m/pc |
| | | NW | 85 | 3.00 m/pc |
| NW | | 6 | 1.50 m/pc | |
| NW | | 4 | 0.50 m/pc | |
| BW | | 86 | 3.00 m/pc | |
| BW | | 6 | 1.50 m/pc | |
| BW | | 4 | 0.50 m/pc | |



(Materials)

(2)

| Description | Specification | Unit | Quantity | | | | |
|-----------------------|---------------|------|----------|-------|-------|------|-------|
| | | | MR-1 | MR-2 | MR-3 | MR-4 | Total |
| Light oil | | l | 1,400 | 3,620 | 1,440 | 950 | 7,410 |
| Mobil oil | | l | 30 | 295 | 198 | 33 | 556 |
| Hydraulic oil | | l | 10 | 60 | 20 | 10 | 100 |
| Grease | | kg | 10 | 25 | 10 | 5 | 50 |
| Bentonite | | Bag | 56 | 107 | 48 | 35 | 246 |
| CMC | | kg | 13.4 | 17.0 | 9.0 | 6.0 | 45.4 |
| Cement | | Bag | 6 | 10 | 20 | 12 | 48 |
| Single core tube | 114mm x 0.5m | Set | 1 | | | | 1 |
| Wire line core barrel | HQ x 3.00m | Set | 1 | | | | 1 |
| " | NQ x 3.00m | Set | 1 | | | | 1 |
| " | BQ x 3.00m | Set | 1 | | | | 1 |
| Casing metal shoe | HW | Pcs | 1 | | 1 | | 2 |
| " | NW | Pcs | 1 | 1 | 1 | 1 | 4 |
| " | BW | Pcs | | 1 | | | 1 |
| Core lifter | HQ | Pcs | 2 | 1 | | 1 | 4 |
| " | NQ | Pcs | 1 | 1 | | 1 | 3 |
| " | BQ | Pcs | | 1 | | | 1 |
| Core lifter case | HQ | Pcs | 1 | | | | 1 |
| " | NQ | Pcs | 1 | | 1 | | 2 |
| " | BQ | Pcs | 1 | 1 | | | 2 |
| Bearings (bigger) | HQ | Pcs | 1 | | 1 | | 2 |
| " (") | NQ | Pcs | 1 | 1 | 1 | | 3 |
| " (") | BQ | Pcs | | 2 | | | 2 |
| " (smaller) | HQ | Pcs | 1 | 1 | 1 | | 3 |
| " (") | NQ | Pcs | 1 | 1 | 1 | 1 | 4 |
| " (") | BQ | Pcs | | 2 | | | 2 |
| Spring roll pin | HQ | Set | | 1 | | | 1 |
| " | NQ | Set | 1 | | | | 1 |
| " | BQ | Set | | 1 | | | 1 |
| Core box | 116, HQ | Pcs | 11 | 9 | 6 | 8 | 34 |
| " | NQ, BQ | Pcs | 11 | 30 | 12 | 4 | 57 |
| Guide pipe | HQ | Pcs | | 1 | | | 1 |
| " | NQ | Pcs | 1 | | 1 | | 2 |
| " | BQ | Pcs | | 1 | | | 1 |
| Guide coupling | HQ | Pcs | 1 | | | | 1 |
| " | NQ | Pcs | | 1 | | | 1 |
| " | BQ | Pcs | | 1 | | | 1 |
| Suction hose | 50mm x 4.5m | Pcs | 1 | | | | 1 |
| Pump packing | | Pcs | 8 | | 8 | | 16 |
| Valve steel ball | | Pcs | | 8 | | | 8 |
| Piston rod | | Pcs | | 2 | | | 2 |
| Water swivel packing | | Pcs | 3 | 3 | 3 | 3 | 12 |
| V-belt | | Set | 1 | | | | 1 |
| Wire | #10 | kg | 8 | 10 | 5 | 5 | 28 |
| " | #12 | kg | 6 | 3 | 4 | 4 | 17 |
| Nail | | kg | 3 | 4 | 6 | 3 | 16 |



(Materials)

(3)

| Description | Specification | Unit | Quantity | | | | |
|----------------|---------------|------|----------|------|------|------|-------|
| | | | MR-1 | MR-2 | MR-3 | MR-4 | Total |
| Rag | | kg | 5 | 10 | 5 | 3 | 23 |
| Diamond bit | HQ | Pcs | 3 | 2 | 1 | 1 | 7 |
| " | NQ | Pcs | 3 | 3 | 3 | 2 | 11 |
| " | BQ | Pcs | | 3 | | | 3 |
| Diamond reamer | HQ | Pcs | 1 | | 1 | | 2 |
| " | NQ | Pcs | 1 | 1 | 1 | | 3 |
| " | BQ | Pcs | | 1 | | | 1 |
| Metal crown | 116mm | Pcs | 1 | 1 | 1 | 1 | 4 |
| Wire rope | 6mm x 300m | Roll | 1 | | | | 1 |
| " | 12mm x 40m | Roll | 1 | | | | 1 |

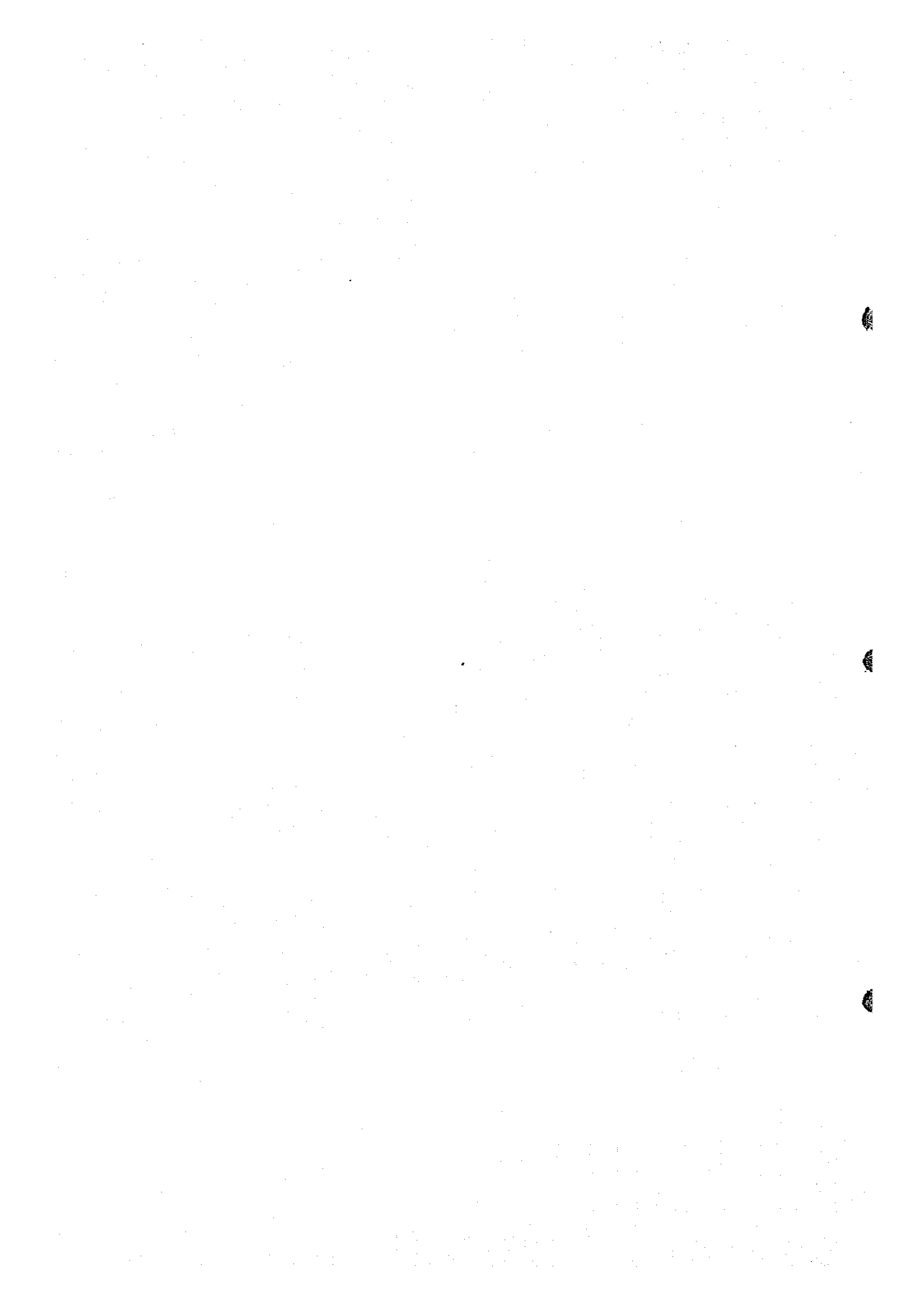


Table III - 2 Preparation and Removal

| Item | Hole No. | MR-1 | | MR-2 | | MR-3 | | MR-4 | |
|-------------------------|---------------------|--------------|------------|---------------|------------|---------------|------------|--------------|------------|
| | | Days | Man-shifts | Days | Man-shifts | Days | Man-shifts | Days | Man-shifts |
| Preparation and removal | In | 14th MAY '79 | 1 | 27th MAY '79 | 1 | 20th JUNE '79 | 1 | 5th JULY '79 | 1 |
| | Out | 17th MAY '79 | 0.5 | 29th MAY '79 | 0.5 | 22nd JUNE '79 | 1 | 7th JULY '79 | 1 |
| | | 26th MAY '79 | 1.25 | 19th JUNE '79 | 1.5 | 30th JUNE '79 | 2 | - | - |
| | | 27th MAY '79 | 0.25 | 20th JUNE '79 | | 1st JULY '79 | | | |
| Preparation | Access road | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Haulage | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1 | 0.5 | 1 |
| | Installation | 1.25 | 1.25 | 1.5 | 1.5 | 1.5 | 2 | 1.5 | 2 |
| | Water pipe | 0.25 | 0.25 | | | | | | |
| | Test run, etc. | | | | | | | | |
| | Total | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 4 |
| Removal | Dismounting | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | Pipe removal | 1 | 1 | 1 | 3 | 1 | 1 | | |
| | Haulage | | | | | | | | |
| | Road rein-statement | | | | | | | | |
| | Others | | | | | | | | |
| | Total | 2 | 2 | 2 | 4 | 2 | 2 | - | - |
| | Grand Total | 5 | 5 | 5 | 7 | 5 | 6 | 3 | 4 |

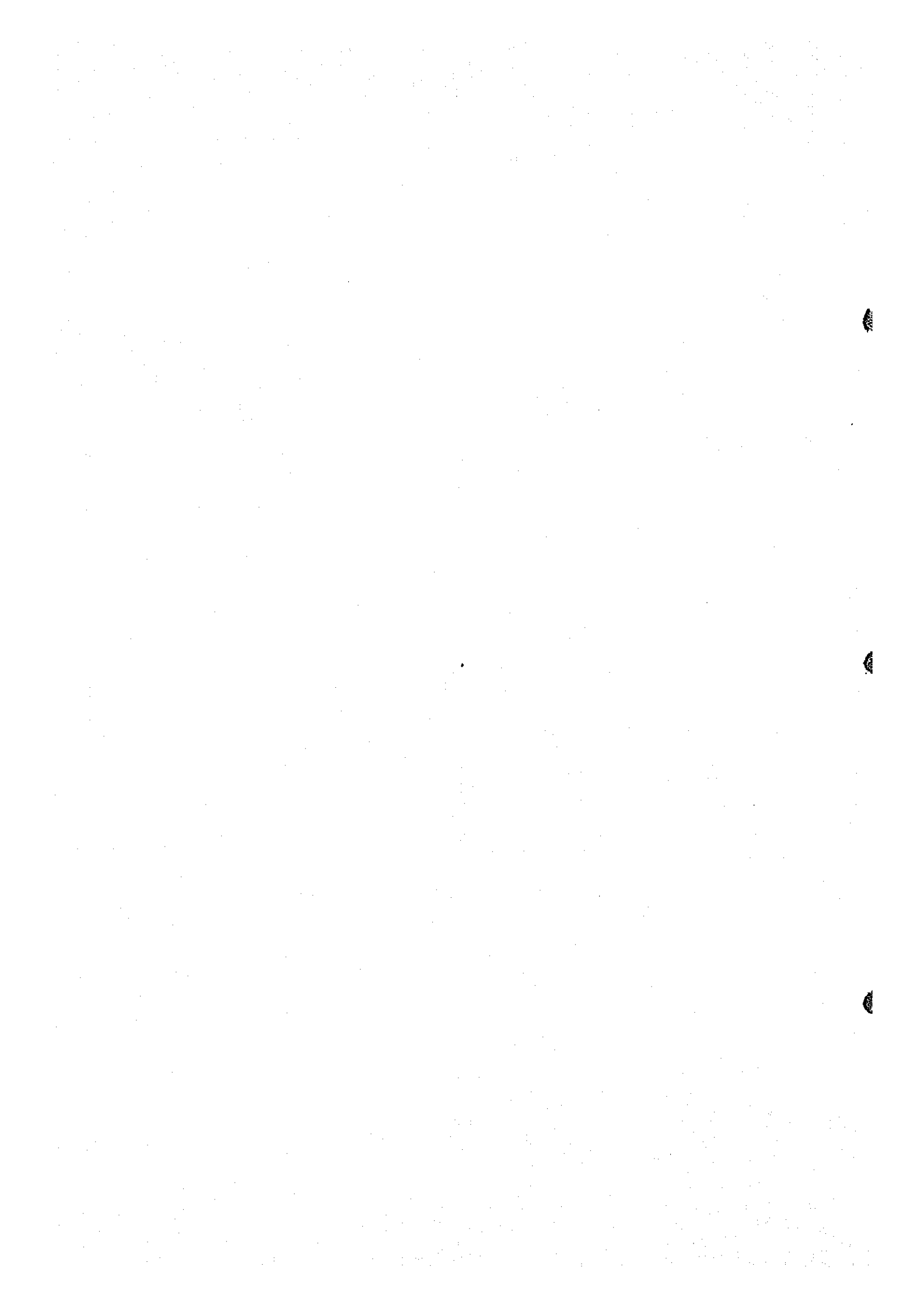


Table III-3 Operational Results of Drill Hole, MR-1

| Working Period | Period | | | Number of Days | Actual Working Days | Day Off | Total Number of Workers | |
|----------------------|--------------------------------------|-------------------------------|------------------|-------------------------|--------------------------------------|----------------------------|-------------------------|------------|
| | Preparation | 14th MAY 1979 ~ 17th MAY 1979 | | | | | | |
| Drilling | 18th MAY 1979 ~ 26th MAY 1979 | | | 9 | 9 | - | 218 | |
| Removing | 26th MAY 1979 ~ 27th MAY 1979 | | | 2 | 2 | - | 21 | |
| Total | 14th MAY 1979 ~ 27th MAY 1979 | | | 14 | 14 | - | 386 | |
| Drilling Length | Planned Length | 148 m | Over-burden | 0.50 m | Core Recovery for each 100 m section | | | |
| | Increase or Decrease in Length | 0.3 m | Core Length | 126.20 m | Depth of Hole | Section | Total | |
| | Length Drilled | 148.30 m | Core Recovery | 85.1 % | 0 ~ 99.70m | 78.4 % | 78.4 % | |
| | | | | | 99.70-148.30m | 98.8 % | 85.1 % | |
| Working Time | Drilling | 49 ⁰⁰ | 21.3 % | 19.0 % | m | % | % | |
| | Hoisting & Lowering Rod | 30 ⁰⁰ | 13.0 % | 11.6 % | m | % | % | |
| | Hoisting & Lowering I.T. | 61 ³⁰ | 26.7 % | 23.8 % | m | % | % | |
| | Miscellaneous | 48 ³⁰ | 21.1 % | 18.8 % | Efficiency of Drilling | | | |
| | Repairing | 16 ⁰⁰ | 7.0 % | 6.2 % | 148.30 m/Working Period | | 10.6 m/day | |
| | Others | 25 ⁰⁰ | 10.9 % | 9.7 % | 148.30 m/Working Days | | 10.6 m/day | |
| | Sub Total | 235 ⁰⁰ | 100.0 % | 89.1 % | 148.30 m/Drilling Period | | 10.6 m/day | |
| | Removing | Preparation | 18 ⁰⁰ | | 7.0 % | 148.30 m/Net Drilling Days | | 16.5 m/day |
| | | Moving | 10 ⁰⁰ | | 3.9 % | Total workers/ | 148.30 m | 2.60 Man/m |
| | Grand Total | 258 ⁰⁰ | | 100 % | Total Drilling Workers/ 148.30 m | | 1.47 Man/m | |
| Casing Pipe Inserted | Pipe Size & Meterage | Inserted Length (%) | Drilling Length | Recovery of Casing Pipe | Remarks I.T.: Inner Tube | | | |
| | HW 4.6 m | 3.1 % | | 100 % | | | | |
| | NW 70.0 m | 47.2 % | | 100 % | | | | |
| | BW m | % | | % | | | | |

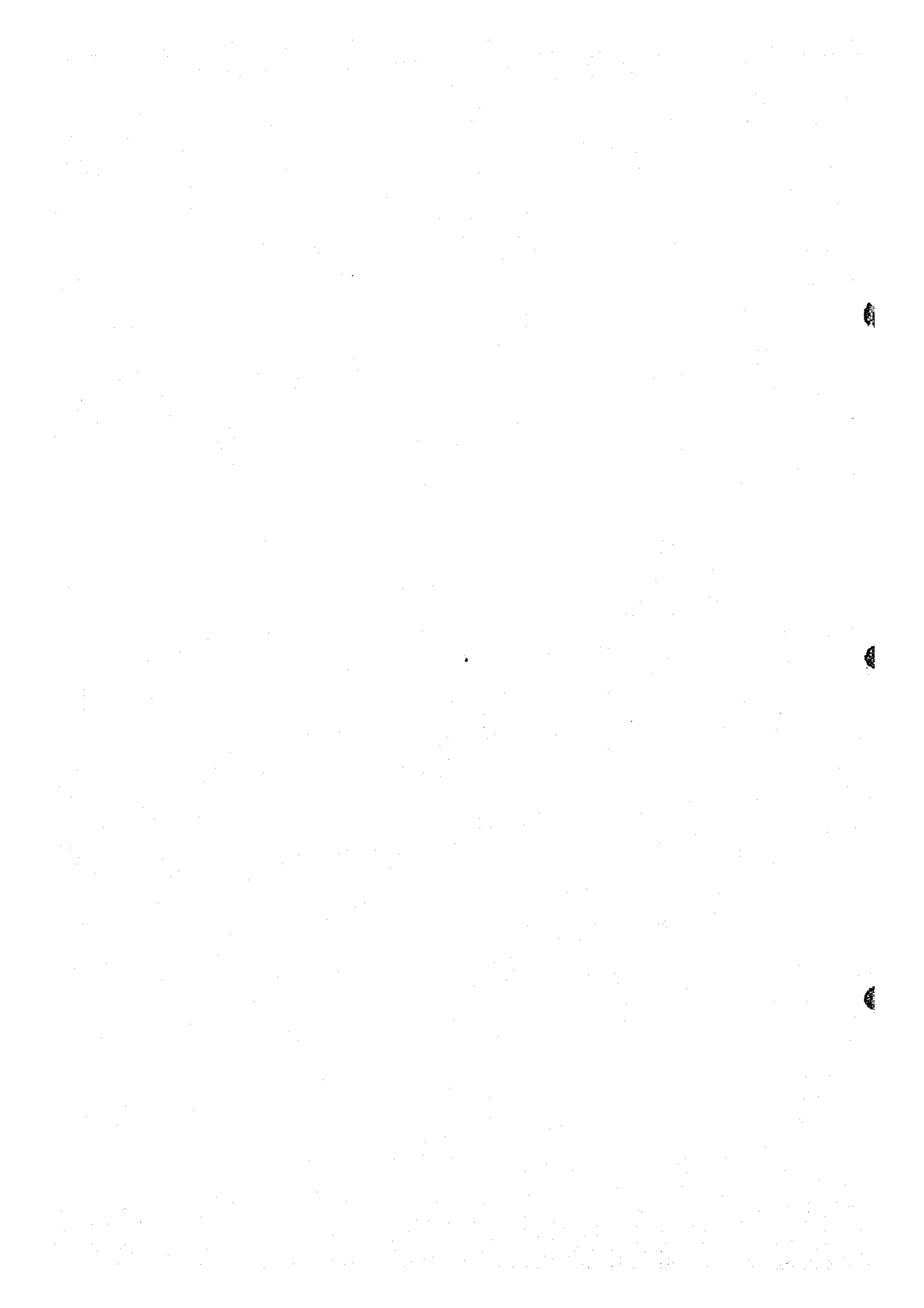


Table III-4 Operational Results of Drill Hole, MR-2

| Working Period | Period | | | Number of Days | Actual Working Days | Day Off | Total Number of Workers | |
|----------------------|---------------------------------|-------------------------------|-----------------|-------------------------|--------------------------------------|----------------------------|-------------------------|-------------|
| | Preparation | 27th MAY 1979 ~ 29th MAY 1979 | | | | | | |
| Drilling | 30th MAY 1979 ~ 18th JUNE 1979 | | | 20 | 20 | - | 431 | |
| Removing | 19th JUNE 1979 ~ 20th JUNE 1979 | | | 2 | 2 | - | 32 | |
| Total | 27th MAY 1979 ~ 20th JUNE 1979 | | | 25 | 25 | - | 545 | |
| Drilling Length | Planned Length | 265 m | Over-burden | 0 m | Core Recovery for each 100 m section | | | |
| | Increase or Decrease in Length | 0.95 m | Core Length | 248.15 m | Depth of Hole | Section | Total | |
| | Length Drilled | 265.95 m | Core Recovery | 93.3 % | 0 ~ 99.60m | 84.6 % | 84.6 % | |
| | | | | | 99.60 ~ 200.20m | 99.2 % | 91.9 % | |
| Working Time | Drilling | 89°00' | 17.4 % | 16.4 % | 200.20~265.95m | 97.6 % | 93.3 % | |
| | Hoisting & Lowering Rod | 54°00' | 10.5 % | 9.9 % | m | % | % | |
| | Hoisting & Lowering I.T. | 73°30' | 14.4 % | 13.5 % | m | % | % | |
| | Miscellaneous | 195°30' | 38.2 % | 35.9 % | Efficiency of Drilling | | | |
| | Repairing | 90°00' | 17.6 % | 16.6 % | 265.95 m/Working Period | | 10.64 m/day | |
| | Others | 10°00' | 1.9 % | 1.8 % | 265.95 m/Working Days | | 10.64 m/day | |
| | Sub Total | 512°00' | 100 % | 94.1 % | 265.95 m/Drilling Period | | 13.30 m/day | |
| | Removing | Preparation | 14°00' | | 2.6 % | 265.95 m/Net Drilling Days | | 13.30 m/day |
| | | Moving | 18°00' | | 3.3 % | Total workers/ | 265.95 m | 2.05 Man/m |
| | Grand Total | 544°00' | | 100 % | | Total Drilling Workers/ | 265.95 m | 1.62 Man/m |
| Casing Pipe Inserted | Pipe Size & Meterage | Inserted Length (%) | Drilling Length | Recovery of Casing Pipe | Remarks I.T.: Inner Tube | | | |
| | HW 2.0 m | 0.8 % | | 100 % | | | | |
| | NW 261.0 m | 98.1 % | | 100 % | | | | |
| | BW 26.5 m | 99.6 % | | 100 % | | | | |

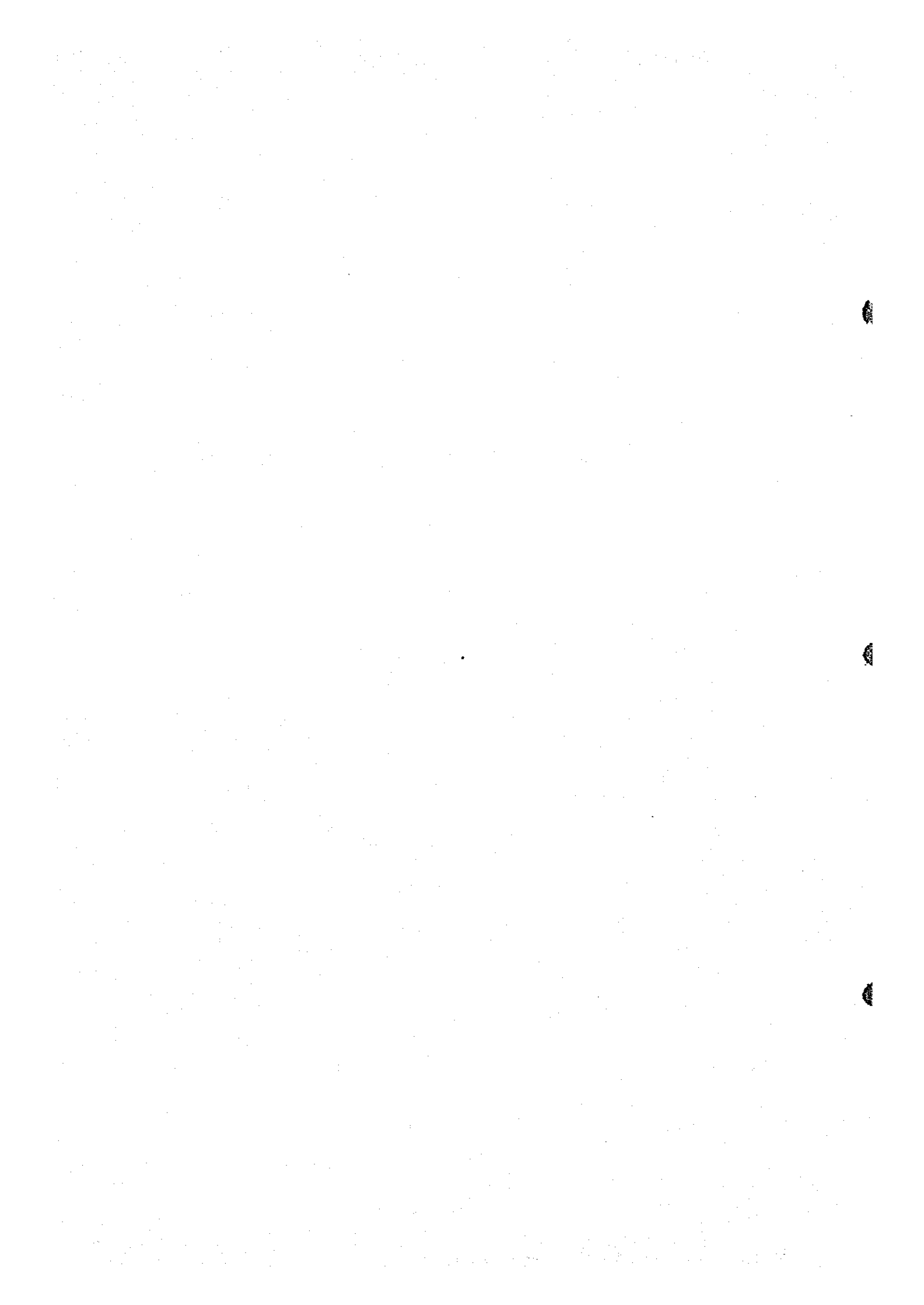


Table III-5 Operational Results of Drill Hole, MR-3

| Working Period | Period | | | Number of Days | Actual Working Days | Day Off | Total Number of Workers | |
|----------------------|---------------------------------------|---------------------------------|-------------------------|------------------|--------------------------------------|----------------------------|-------------------------|-------------|
| | Preparation | 20th JUNE 1979 ~ 22nd JUNE 1979 | 3 | | | | | |
| Drilling | 22nd JUNE 1979 ~ 30th JUNE 1979 | 9 | 9 | - | 181 | | | |
| Removing | 30th JUNE 1979 ~ 1st JULY 1979 | 2 | 2 | - | 30 | | | |
| Total | 20th JUNE 1979 ~ 1st JULY 1979 | 12 | 12 | - | 278 | | | |
| Drilling Length | Planned Length | 136 m | Overburden | 0 m | Core Recovery for each 100 m section | | | |
| | Increase or Decrease in Length | 2.00 m | Core Length | 114.10 m | Depth of Hole | Section | Total | |
| | Length Drilled | 138.00 m | Core Recovery | 82.7 % | 0-99.15 m | 85.6 % | 85.6 % | |
| Working Time | Drilling | 42°00' | 19.7 % | 17.2 % | 99.15-138.00m | 75.3 % | 82.7 % | |
| | Hoisting & Lowering Rod | 32°00' | 15.0 % | 13.1 % | m | % | % | |
| | Hoisting & Lowering I.T. | 54°30' | 25.6 % | 22.3 % | m | % | % | |
| | Miscellaneous | 57°30' | 27.0 % | 23.6 % | Efficiency of Drilling | | | |
| | Repairing | 17°00' | 8.0 % | 7.0 % | 138.00 m/Working Period | | 11.50 m/day | |
| | Others | 10°00' | 4.7 % | 4.1 % | 138.00 m/Working Days | | 11.50 m/day | |
| | Sub Total | 213°00' | 100 % | 87.3 % | 138.00 m/Drilling Period | | 15.33 m/day | |
| | Removing | Preparation | 13°00' | | 5.3 % | 138.00 m/Net Drilling Days | | 15.33 m/day |
| | | Moving | 18°00' | | 7.4 % | Total workers/ | 138.00 m | 2.01 Man/m |
| | Grand Total | 244°00' | | 100 % | Total Drilling Workers/ 138.00 m | | | 3.31 Man/m |
| Casing Pipe Inserted | Pipe Size & Meterage | Inserted Length (%) | Recovery of Casing Pipe | Remarks | | | | |
| | HW 3.7 m | 2.7 % | 100 % | I.T.: Inner Tube | | | | |
| | NV 33 m | 23.9 % | 100 % | | | | | |
| | BW m | % | % | | | | | |

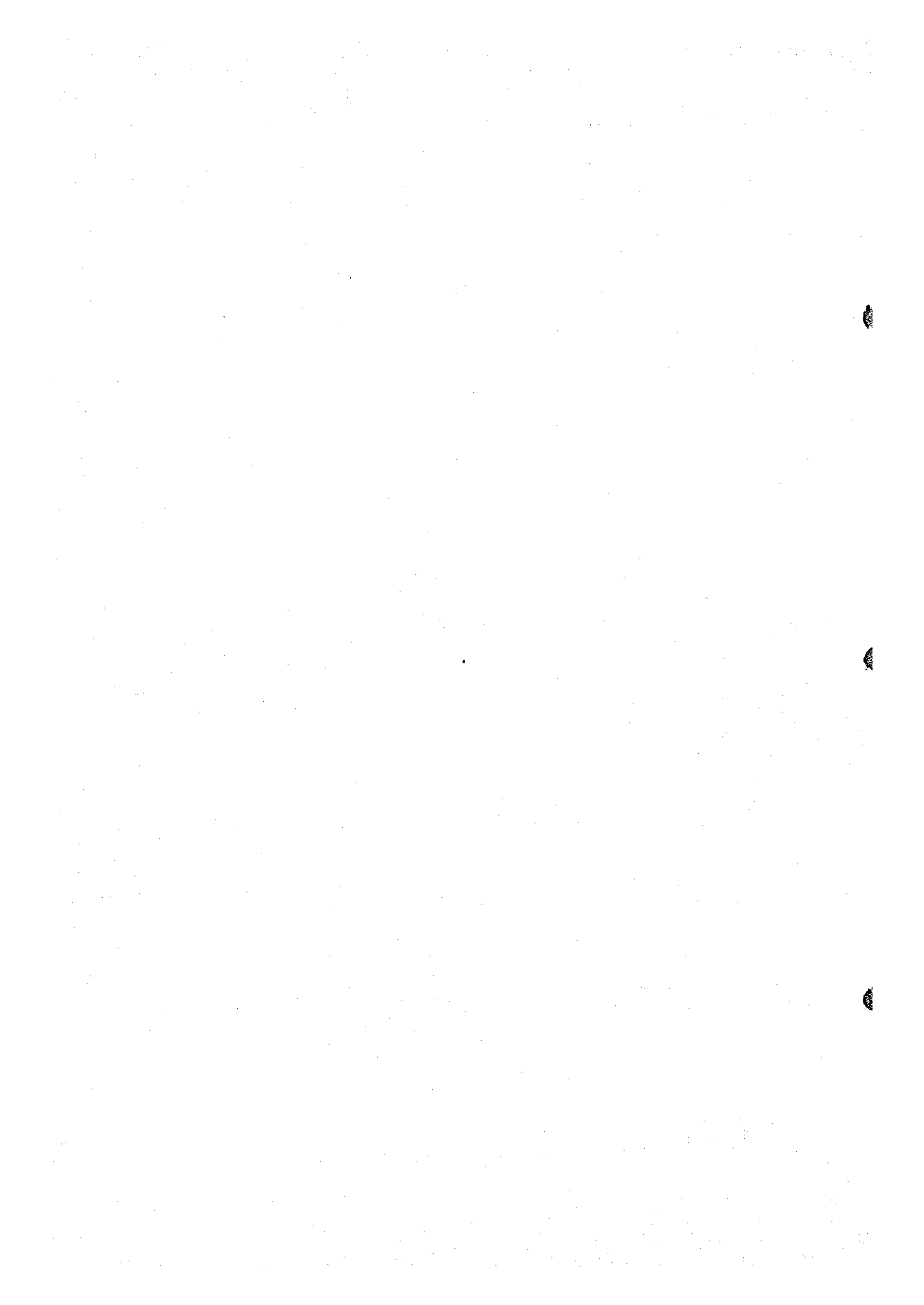


Table III-6 Operational Results of Drill Hole, MR-4

| Working Period | Period | | | Number of Days | Actual Working Days | Day Off | Total Number of Workers | |
|----------------------|---------------------------------------|-------------------------------|-----------------|-------------------------|--------------------------------------|----------------------------|-------------------------|-------------|
| | Preparation | 2nd JULY 1979 ~ 7th JULY 1979 | | | | | | |
| Drilling | 8th JULY 1979 ~ 12th JULY 1979 | | | 5 | 5 | - | 110 | |
| Removing | - | | | - | - | - | - | |
| Total | 2nd JULY 1979 ~ 12th JULY 1979 | | | 11 | 11 | - | 257 | |
| Drilling Length | Planned Length | 100 m | Over-burden | 4.00 m | Core Recovery for each 100 m section | | | |
| | Increase or Decrease in Length | 0.10 m | Core Length | 63.40 m | Depth of Hole | Section | Total | |
| | Length Drilled | 100.10 m | Core Recovery | 63.3 % | 0 ~ 100.10m | 63.3 % | 63.3 % | |
| Working Time | Drilling | 37°00' | 22.7 % | 19.9 % | m | % | % | |
| | Hoisting & Lowering Rod | 25°30' | 15.7 % | 13.7 % | m | % | % | |
| | Hoisting & Lowering I.T. | 32°00' | 19.6 % | 17.2 % | m | % | % | |
| | Miscellaneous | 24°30' | 15.0 % | 13.2 % | Efficiency of Drilling | | | |
| | Repairing | 4°00' | 2.5 % | 2.1 % | 100.10 m/Working Period | | 9.10 m/day | |
| | Others | 40°00' | 24.5 % | 21.5 % | 100.10 m/Working Days | | 9.10 m/day | |
| | Sub Total | 163°00' | 100 % | 87.6 % | 100.10 m/Drilling Period | | 20.02 m/day | |
| | Removing | Preparation | 18°00' | | 9.7 % | 100.10 m/Net Drilling Days | | 20.02 m/day |
| | | Moving | 5°00' | | 2.7 % | Total workers/ 100.10 m | | 2.57 Man/m |
| | Grand Total | 186°00' | | 100 % | Total Drilling Workers/ 100.10 m | | 1.10 Man/m | |
| Casing Pipe Inserted | Pipe Size & Meterage | Inserted Length (%) | Drilling Length | Recovery of Casing Pipe | Remarks I.T.: Inner Tube | | | |
| | HW 3.6 m | 3.6 % | | 100 % | | | | |
| | NW 54 m | 53.9 % | | 100 % | | | | |
| | BW m | % | | % | | | | |

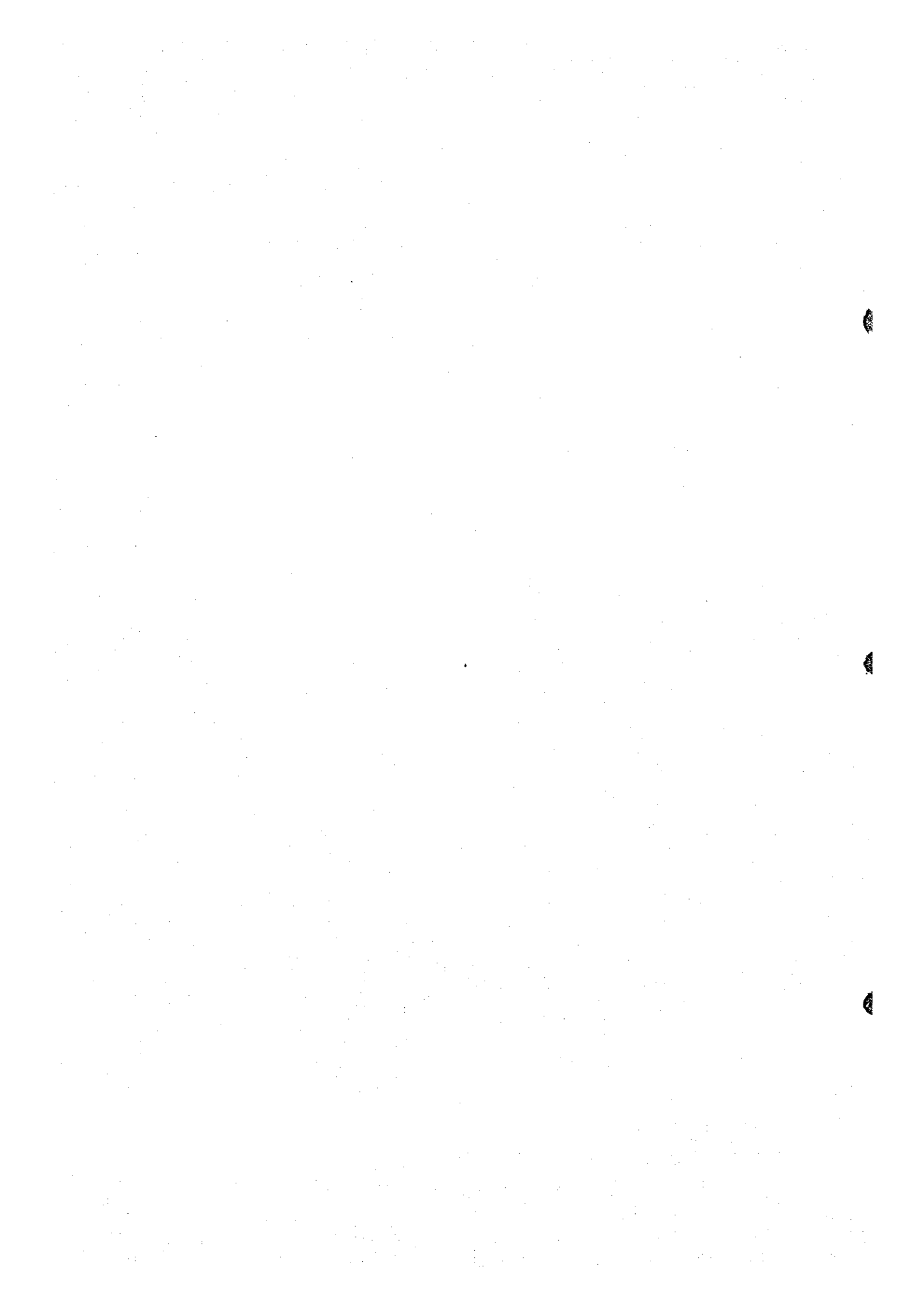


Table III-7 Summary Operational Data for Drill Holes

| Drill hole No. | Type of machine | Drilling period | Drilling length | Core | | No. of drilling shift | | | Drilling speed | | Remarks |
|----------------|-----------------|------------------------------------|---------------------|---------------------|------------|-----------------------|-------------|-------|----------------|------------|---------|
| | | | | Length | Recovery % | Drilling | Casing etc. | Total | * m/shift | ** m/shift | |
| MR-1 | Craelius D-1000 | 18th MAY 1979 ~ 26th MAY 1979 | 148.30 ^m | 126.20 ^m | 85.1 | 24 | 2 | 26 | 6.18 | 5.70 | |
| MR-2 | " | 30th MAY 1979 ~ 18th JUNE 1979 | 265.95 | 248.15 | 93.3 | 34 | 26 | 60 | 7.82 | 4.43 | |
| MR-3 | " | 22nd JUNE 1979 ~ 30th JUNE 1979 | 138.00 | 114.10 | 82.7 | 23 | 1 | 24 | 6.00 | 5.75 | |
| MR-4 | " | 8th JULY 1979 ~ 12th JULY 1979 | 100.10 | 63.40 | 63.3 | 15 | - | 15 | 6.67 | 6.67 | |
| Total | | | 652.35 | 551.85 | 84.6 | 96 | 29 | 125 | 6.80 | 5.22 | |

* Drilled per one shift covering net drilling operations.

** Drilled per one shift covering total works conducted.



Table III-8 Working Time for Drill Holes

| Drill hole No. | Drilling | Hoisting & lowering rod & I.T. | | Miscellaneous | | | Repairs | Others | Moving operation | Total |
|----------------|----------|--------------------------------|------------|------------------|--------------|---------|---------|--------|------------------|-----------|
| | | Rod | Inner tube | Casing insertion | Hole reaming | Others | | | | |
| | | | | | | | | | | |
| MR-1 | 49°00' | 30°00' | 61°30' | 10°00' | - | 38°30' | 16°00' | 25°00' | 28°00' | |
| MR-2 | 89°00' | 54°00' | 73°30' | 36°30' | 99°00' | 60°00' | 90°00' | 10°00' | 32°00' | |
| MR-3 | 42°00' | 32°00' | 54°30' | 8°00' | - | 49°30' | 17°00' | 10°00' | 31°00' | |
| MR-4 | 37°00' | 25°30' | 32°00' | 2°30' | - | 22°00' | 4°00' | 40°00' | 23°00' | |
| Total | 217 | 141°30' | 221°30' | 57°00' | 99°00' | 170°00' | 127°00' | 85°00' | 114°00' | 1,232°00' |
| | | 363°00' | | | 326°00' | | | | | |

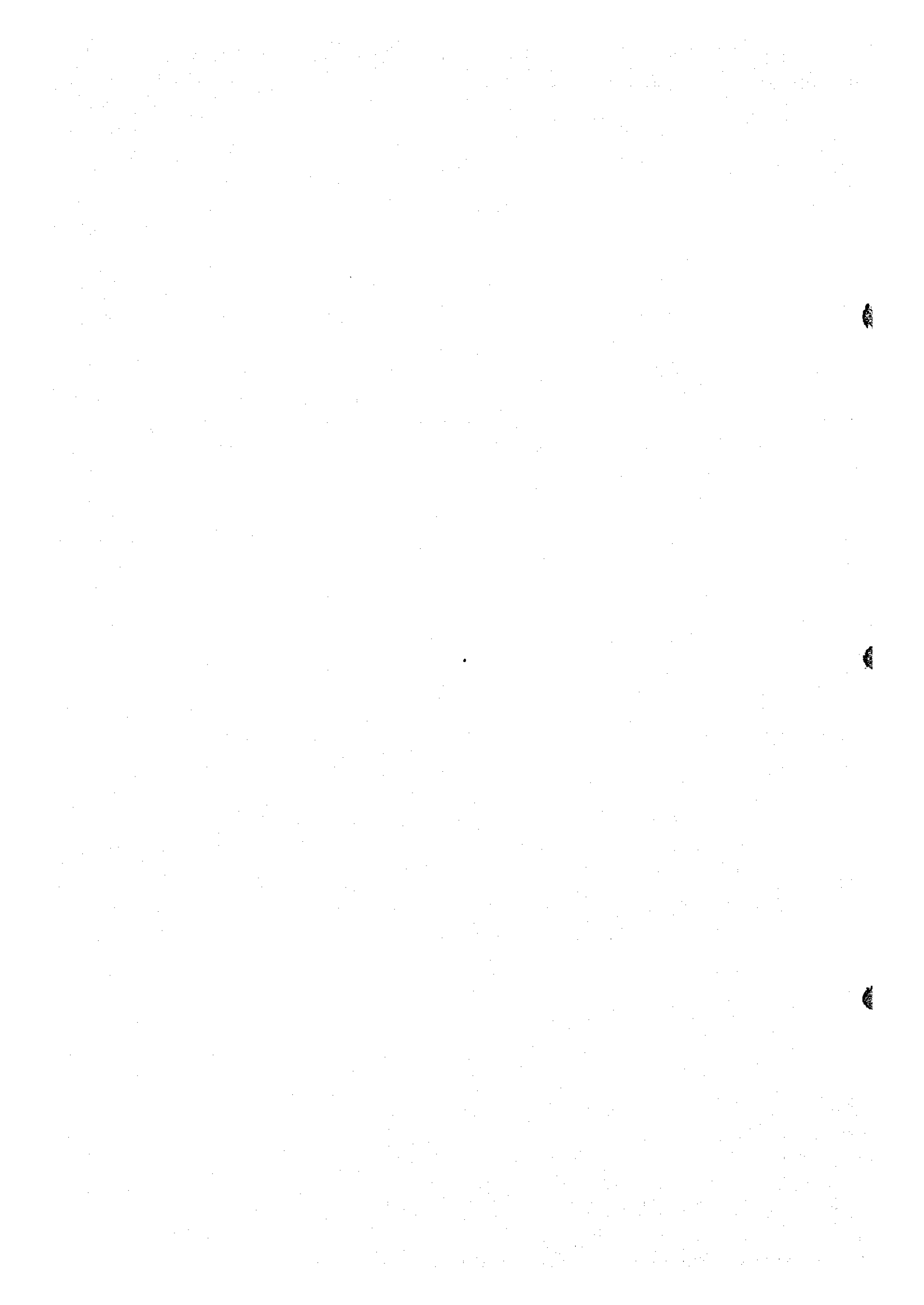


Table III-9 Drilling Meterage of Diamond Bits

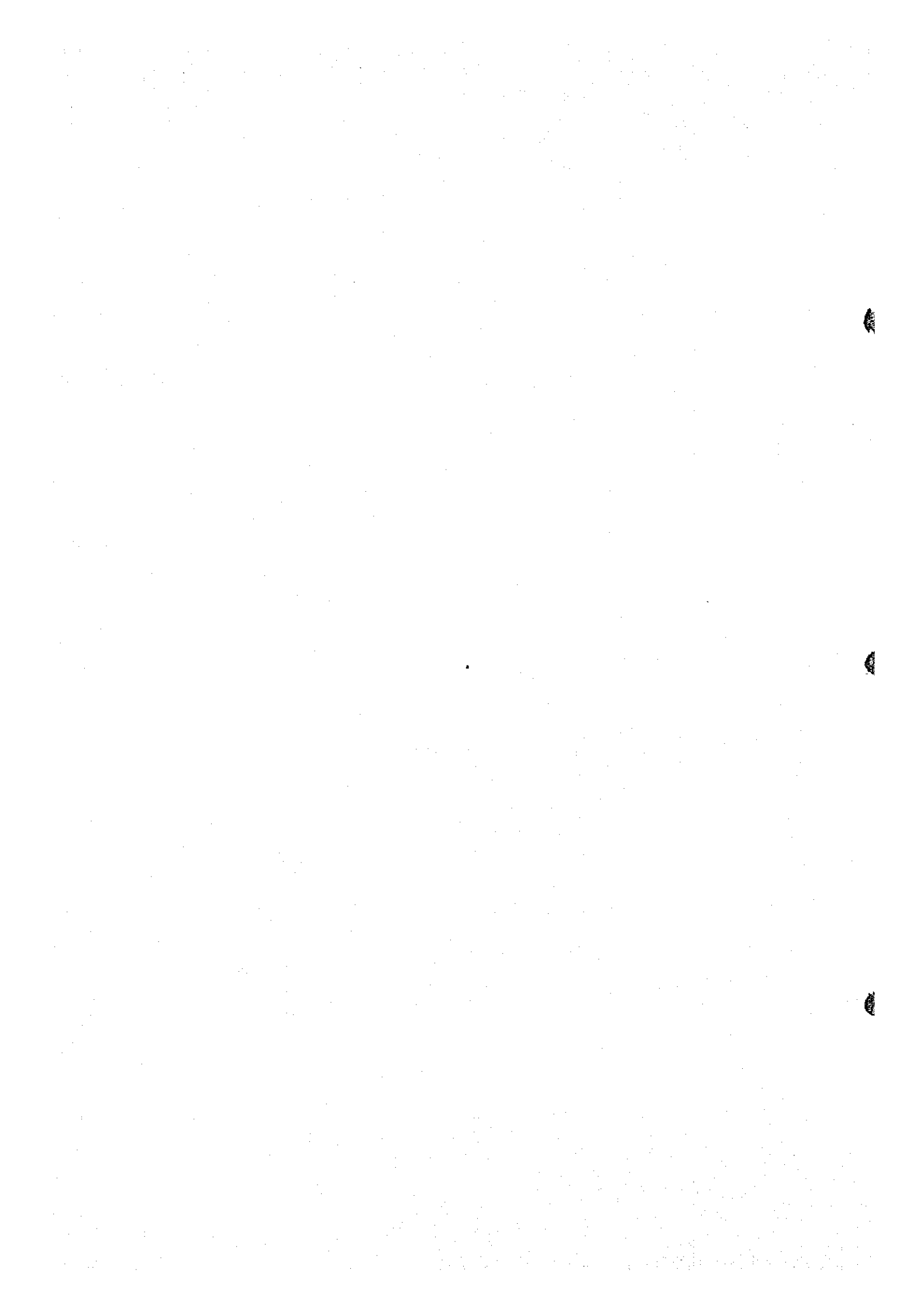
| Item | Size | Type | Drilling meterage by drill hole (meter) | | | | Total |
|-------|------|-------|---|--------|--------|-------|--------|
| | | | MR-1 | MR-2 | MR-3 | MR-4 | |
| Bit | HQ | HQ-WL | 36.15 | | | | 36.15 |
| | | | 21.30 | | | | 21.30 |
| | | | 8.20 | 15.10 | | | 23.30 |
| | | | | 31.35 | | | 31.35 |
| | | | | 6.45 | 24.70 | | 31.15 |
| | | | | | 5.00 | 31.60 | 36.60 |
| | | | | | | 19.70 | 19.70 |
| Total | | | 65.65 | 52.90 | 29.70 | 51.30 | 199.55 |
| Bit | NQ | NQ-WL | 29.45 | | | | 29.45 |
| | | | 32.70 | | | | 32.70 |
| | | | 15.90 | 6.30 | | | 22.20 |
| | | | | 38.40 | | | 38.40 |
| | | | | 36.70 | | | 36.70 |
| | | | | 25.35 | 19.10 | | 44.45 |
| | | | | | 19.60 | | 19.60 |
| | | | | | 27.05 | | 27.05 |
| | | | | | 38.85 | | 38.85 |
| | | | | | | 20.70 | 20.70 |
| | | | 24.50 | 24.50 | | | |
| Total | | | 78.50 | 106.75 | 104.60 | 45.20 | 334.60 |
| Bit | BQ | BQ-WL | | 38.55 | | | 38.55 |
| | | | | 26.30 | | | 26.30 |
| | | | | 39.45 | | | 39.45 |
| Total | | | | 104.30 | | | 104.30 |



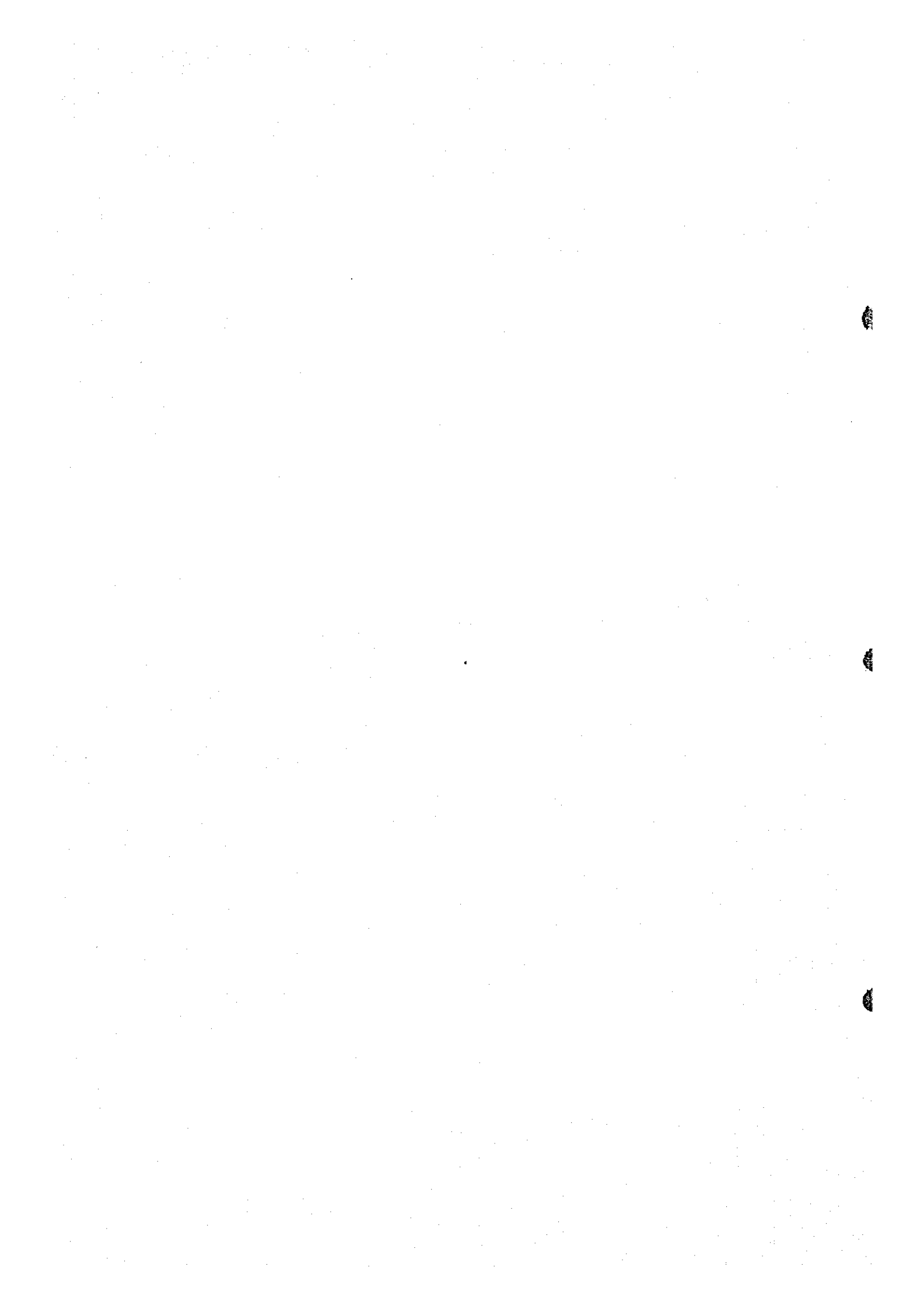
Table III-10 List of Rock Samples

| Sample No. | Location | | Rock Name | XMA | T.S. | P.S. | Chemical Analysis | | | | Depth |
|------------|----------|-------|-----------|-----|------|------|-------------------|----|----|---|-------------------|
| | X | Y | | | | | Altitude | Pb | Ba | U | |
| MR-1-1030 | 550.0 | 257.0 | 1,440 | | | | | | | | 30.00 m - 31.00 m |
| 1047 | | | | | | | | | | | 47.00 - 48.00 |
| 1048 | | | | | | | | | | | 48.00 - 48.60 |
| 1055 | | | | | | | | | | | 55.60 - 56.60 |
| 1056 | | | | | | | | | | | 56.60 - 57.50 |
| 1057 | | | | | | | | | | | 57.50 - 59.00 |
| 1061 | | | | | | | | | | | 61.60 - 62.60 |
| 1062 | | | | | | | | | | | 62.60 - 63.60 |
| 1074 | | | | | | | | | | | 74.60 - 75.20 |
| 1075 | | | | | | | | | | | 75.20 - 75.60 |
| 1076 | | | | | | | | | | | 75.60 - 76.60 |
| 1115 | | | | | | | | | | | 115.50 - 116.50 |
| 1116 | | | | | | | | | | | 116.50 - 117.50 |
| 1117 | | | | | | | | | | | 117.50 - 118.50 |
| 1118 | | | | | | | | | | | 118.50 - 119.50 |
| 1132 | | | | | | | | | | | 132.50 - 132.80 |
| 1133 | | | | | | | | | | | 133.10 - 133.50 |
| 1138 | | | | | | | | | | | 138.00 - 139.00 |
| 1139 | | | | | | | | | | | 139.00 - 140.00 |
| 1140 | | | | | | | | | | | 140.00 - 141.00 |
| 1141 | | | | | | | | | | | 141.00 - 142.00 |
| 1142 | | | | | | | | | | | 142.00 - 143.00 |
| 1143 | | | | | | | | | | | 143.00 - 144.00 |
| 1144 | | | | | | | | | | | 144.00 - 145.00 |
| 1145 | | | | | | | | | | | 145.00 - 146.00 |
| 1148 | | | | | | | | | | | 148.00 |

XMA : X-ray Microanalysis
T.S. : Thin Section
P.S. : Polished Section



| Sample No. | Location | | Rock Name | XMA | T.S. | P.S. | Chemical Analysis | | | | Depth |
|------------|----------|-------|-----------|-----|------|------|-------------------|----|----|---|-----------------|
| | X | Y | | | | | Altitude | Pb | Ba | U | |
| MR-2-2160 | 540.0 | 257.0 | 1,545 | | | | | | | | 160.00 - 170.10 |
| 2167 | | | | | | | | | | | 167.00 - 168.00 |
| 2169 | | | | | | | | | | | 169.00 - 170.00 |
| 2170 | | | | | | | | | | | 170.00 - 171.60 |
| 2221 | | | | | | | | | | | 221.00 - 221.20 |
| 2230 | | | | | | | | | | | 230.00 - 231.00 |
| 2231 | | | | | | | | | | | 231.00 - 232.50 |
| 2242 | | | | | | | | | | | 242.60 - 243.60 |
| 2243 | | | | | | | | | | | 243.60 - 244.60 |
| 2244 | | | | | | | | | | | 244.60 - 245.60 |
| 2245 | | | | | | | | | | | 245.60 - 246.60 |
| 2246 | | | | | | | | | | | 246.60 - 247.60 |
| 2247 | | | | | | | | | | | 247.60 - 248.00 |
| 2248 | | | | | | | | | | | 248.00 - 249.00 |
| 2249 | | | | | | | | | | | 249.00 - 250.00 |
| 2250 | | | | | | | | | | | 250.00 - 251.00 |
| 2251 | | | | | | | | | | | 251.00 - 252.00 |
| 2252 | | | | | | | | | | | 252.00 - 253.00 |
| 2253 | | | | | | | | | | | 253.00 - 254.00 |
| 2254 | | | | | | | | | | | 254.00 - 255.00 |
| 2255 | | | | | | | | | | | 255.00 - 256.00 |
| 2256 | | | | | | | | | | | 256.00 - 257.00 |
| 2257 | | | | | | | | | | | 257.00 - 258.00 |
| 2258 | | | | | | | | | | | 258.00 - 259.00 |
| 2259 | | | | | | | | | | | 259.00 - 260.00 |
| 2260 | | | | | | | | | | | 260.00 - 261.00 |
| 2261 | | | | | | | | | | | 261.00 - 262.00 |
| 2262 | | | | | | | | | | | 262.00 - 263.00 |
| 2263 | | | | | | | | | | | 263.00 - 264.00 |
| 2264 | | | | | | | | | | | 264.00 - 265.20 |
| MR-3-3131 | 540.0 | 237.0 | 1,543 | | | | | | | | 131.10 - 132.10 |
| 3132 | | | | | | | | | | | 132.10 - 133.10 |



| Sample No. | Location | | | Rock Name | XMA | T.S. | P.S. | Chemical Analysis | | | | Depth | |
|------------|----------|-------|----------|-----------------------------|-----|------|------|-------------------|----|----|----|--------|----------|
| | X | Y | Altitude | | | | | Pb | Ba | U. | Th | | |
| MR-3-3133 | 540.0 | 237.0 | 1,543 | siltstone | | | | ○ | | | | 133.10 | - 134.10 |
| 3134 | | | | do | | | | ○ | | | | 134.10 | - 135.10 |
| 3135 | | | | do | | | | ○ | | | | 135.10 | - 136.60 |
| MM-3-3362 | 513.9 | 244.3 | 1,848 | | | | | ○ | | | | 362.00 | - 363.00 |
| 3364 | | | | | | | | ○ | | | | 364.00 | - 365.00 |
| 3366 | | | | | | | | ○ | | | | 366.00 | - 367.00 |
| 3368 | | | | | | | | ○ | | | | 368.00 | - 369.00 |
| 3370 | | | | | | | | ○ | | | | 370.00 | - 371.00 |
| 3372 | | | | | | | | ○ | | | | 372.00 | - 373.00 |
| 3374 | | | | | | | | ○ | | | | 374.00 | - 375.00 |
| 3376 | | | | | | | | ○ | | | | 376.00 | - 377.00 |
| 3378 | | | | | | | | ○ | | | | 378.00 | - 379.00 |
| 3380 | | | | | | | | ○ | | | | 380.00 | - 381.00 |
| 3382 | | | | | | | | ○ | | | | 382.00 | - 383.00 |
| 3384 | | | | | | | | ○ | | | | 384.00 | - 385.00 |
| 3386 | | | | | | | | ○ | | | | 386.00 | - 387.00 |
| 3388 | | | | | | | | ○ | | | | 388.00 | - 389.00 |
| 3390 | | | | | | | | ○ | | | | 390.00 | - 391.00 |
| 3392 | | | | | | | | ○ | | | | 392.00 | - 393.00 |
| 3394 | | | | | | | | ○ | | | | 394.00 | - 395.00 |
| 3396 | | | | | | | | ○ | | | | 396.00 | - 397.00 |
| MM-5-5289 | 535.12 | 252.3 | 1,585 | siltstone | | | | | | | | 289.00 | - 290.00 |
| 5307 | | | | coarse grained sandstone | | | | ○ | | | | 307.00 | - 308.00 |
| 5308 | | | | arkose sandstone | | | | ○ | | | | 308.00 | - 309.00 |
| 5309 | | | | do | | | | ○ | | | | 309.00 | - 310.00 |
| 5310 | | | | arkose sandstone | | | | ○ | | ○ | | 310.00 | - 311.00 |
| 5311 | | | | do | | | | ○ | | ○ | | 311.00 | - 312.00 |
| 5312 | | | | do | | | | ○ | | ○ | | 312.00 | - 313.00 |
| 5313 | | | | do | | | | ○ | | ○ | | 313.00 | - 314.00 |
| 5314 | | | | do | | | | ○ | | ○ | | 314.00 | - 315.00 |
| 5315 | | | | epilitic granite (carapace) | | | | ○ | | | | 315.00 | - 316.00 |
| 5316 | | | | epilitic granite | | | | ○ | | | | 316.00 | - 317.00 |

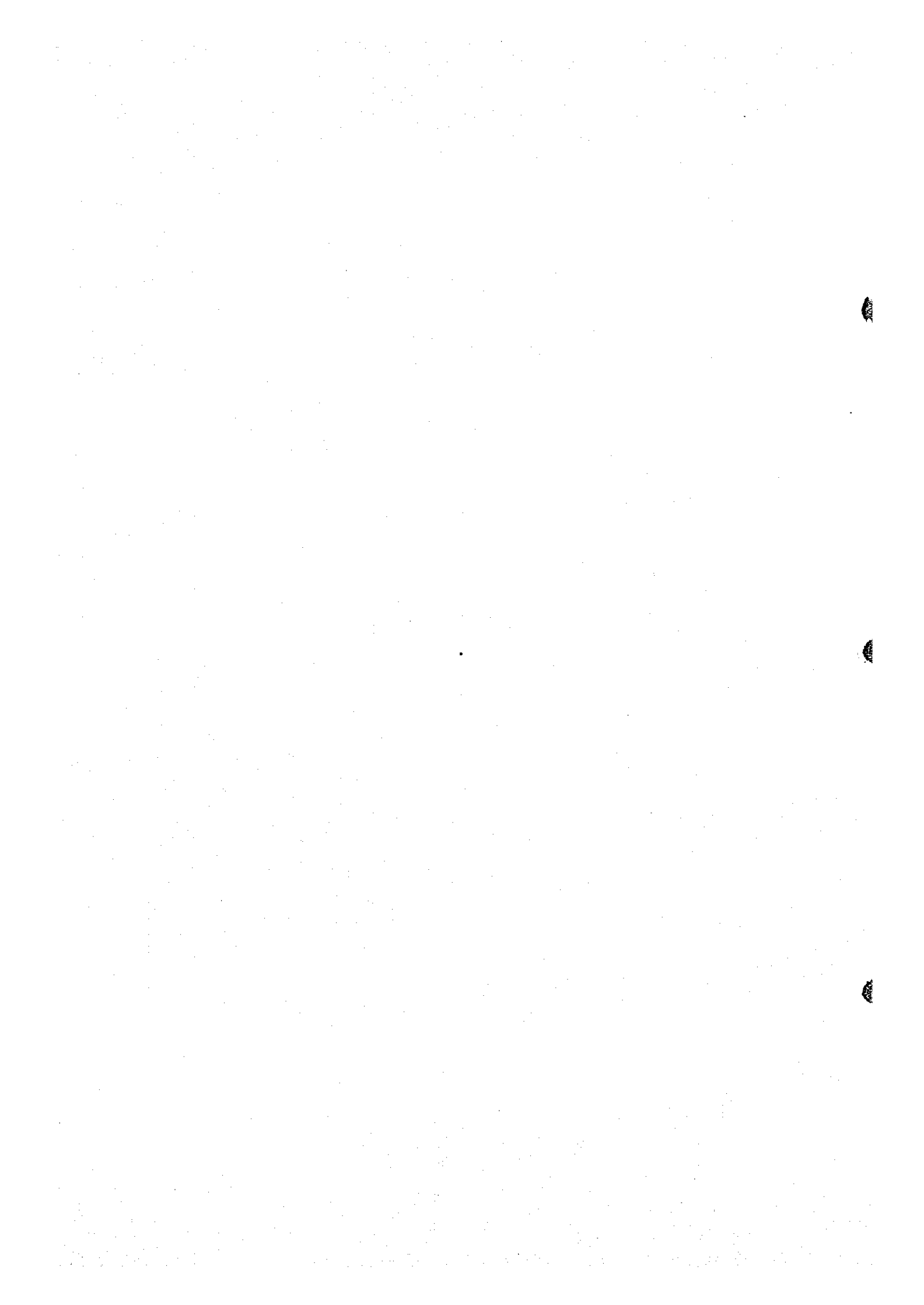
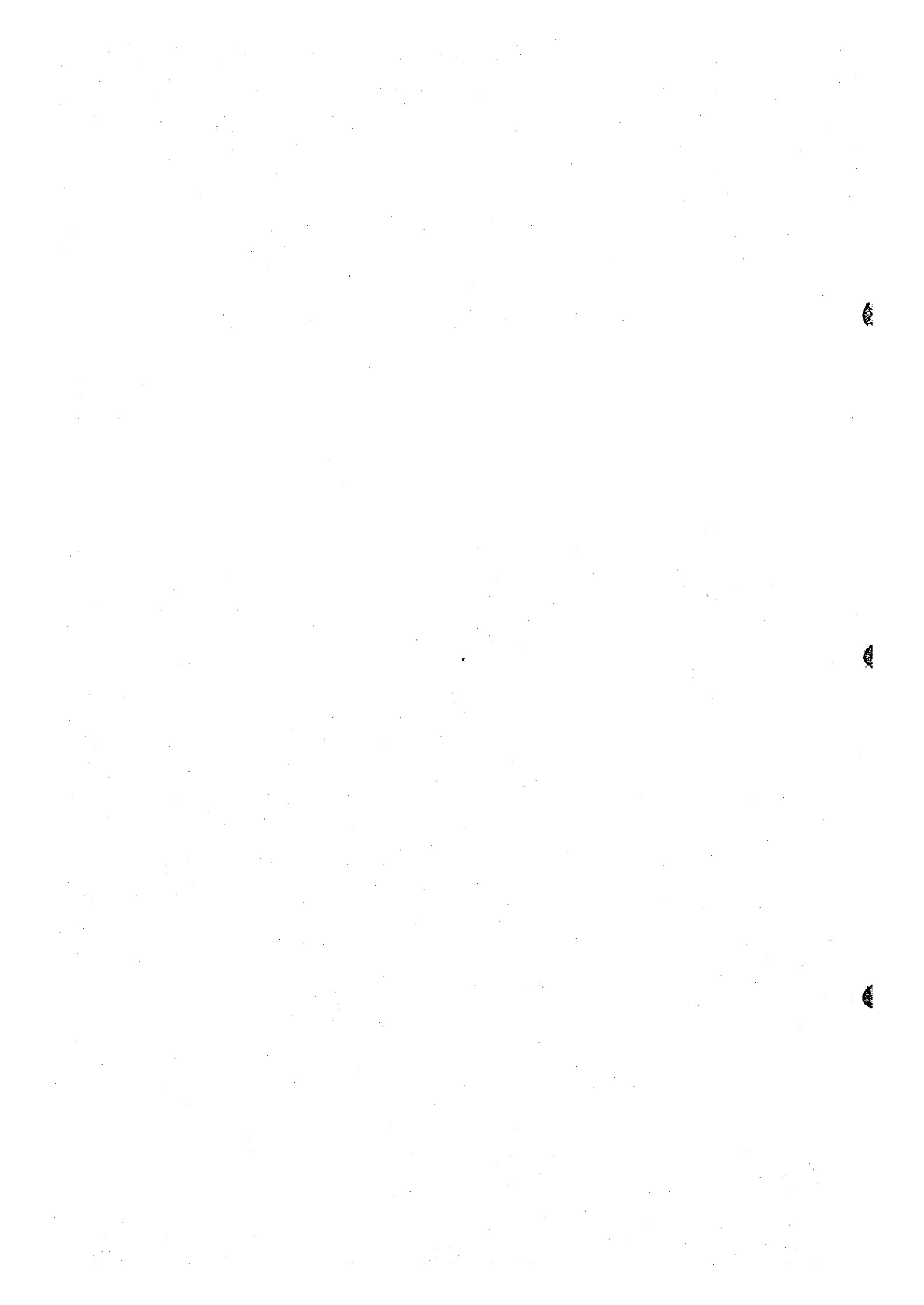
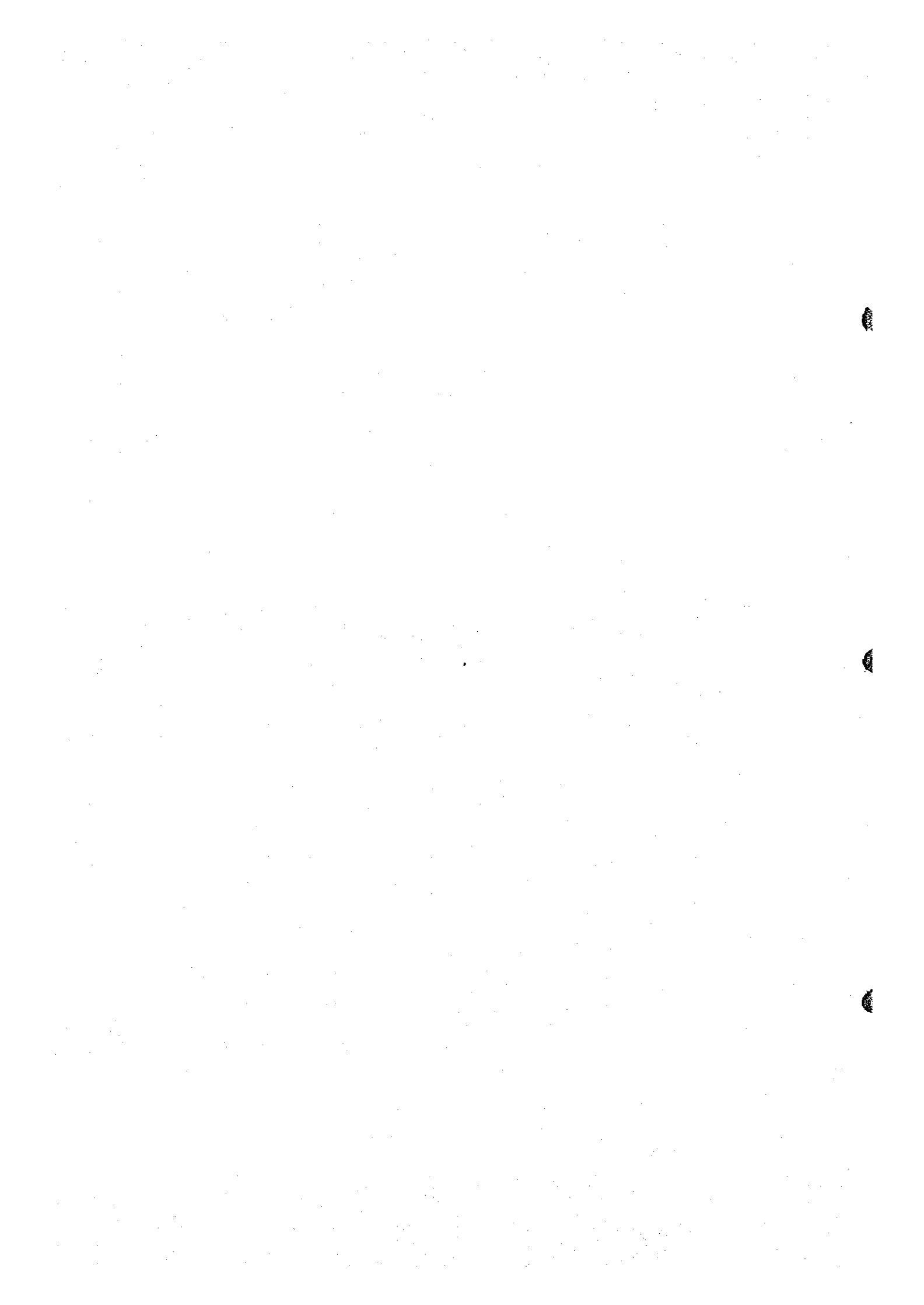


Table III-11 Microscopic Observations of Thin Sections

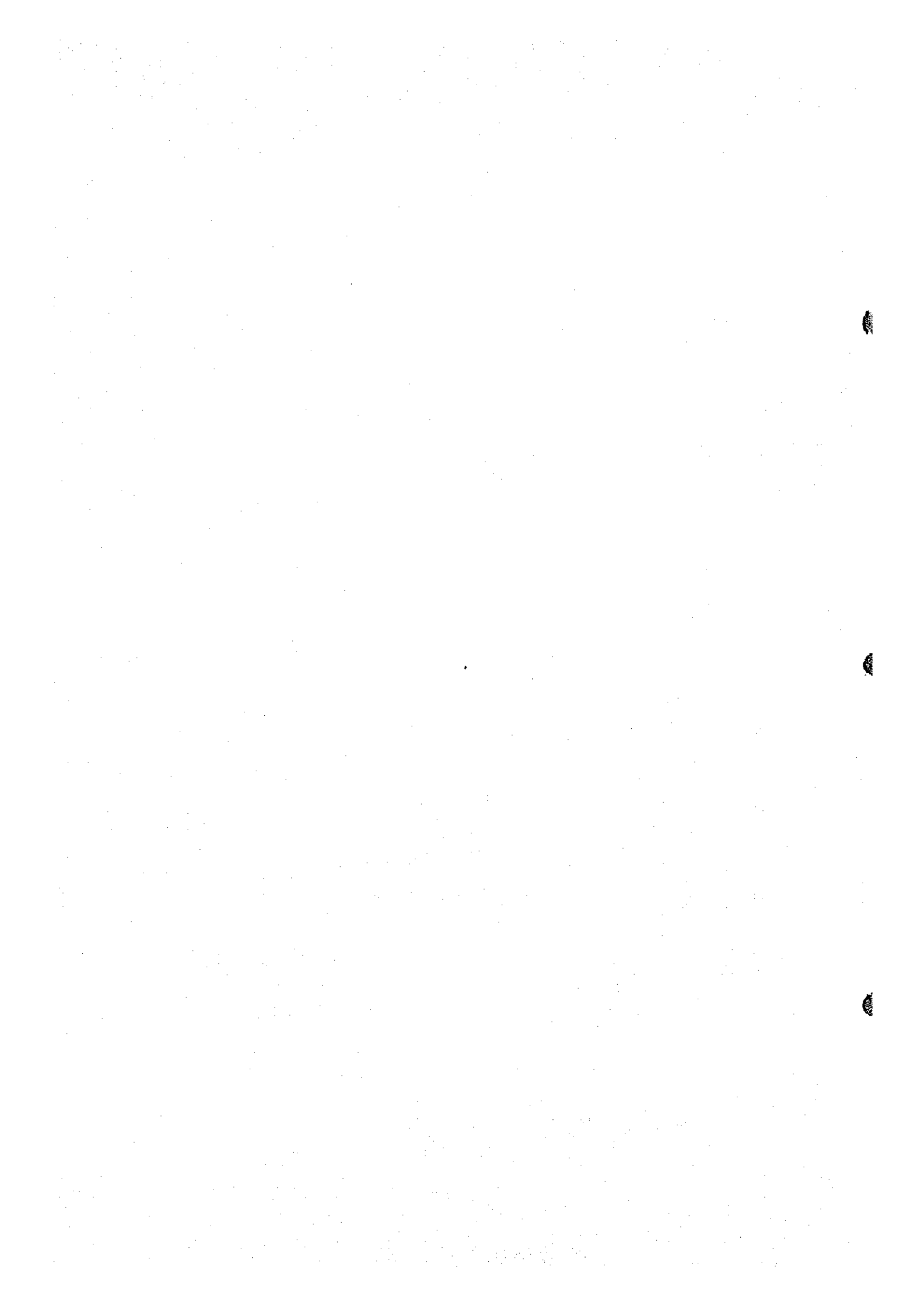
| Sample No. | Locality | Formation | Rock Name | Microscopic Observation | Remarks |
|---------------|---------------------|-----------|-----------|--|--|
| MR-1 -1075 | MR-1 m 75:50 | P - T | Siltstone | The rock shows clastic texture and composed of quartz, orthoclase and plagioclase. All of the fragments are rounded and about 0.15mm in size. Quartz is most abundant and shows wavy extinction. Feldspars show twinning and sericitic alteration. Matrix is mainly made of recrystallized carbonates and fine felsic minerals (0.05mm in size). Other matrix minerals are opaque minerals, a few amount of epidote and glass. | Photo- micrograph: Fig. III-6 No. 1 |
| MR-1 -1116 | MR-1 m 116:50 | P - T | Siltstone | The rock also shows clastic texture and composed of quartz, orthoclase and plagioclase. The fragments show mostly irregular in form and not so good sorting (1.0mm ~ 0.1mm in size). Quartz is most abundant and shows wavy extinction. Feldspars show twinning and are affected by weak alteration. Matrix is as nearly same as the above. Glassy part is a little wider than the above sample No. MOR-1-1075. | |



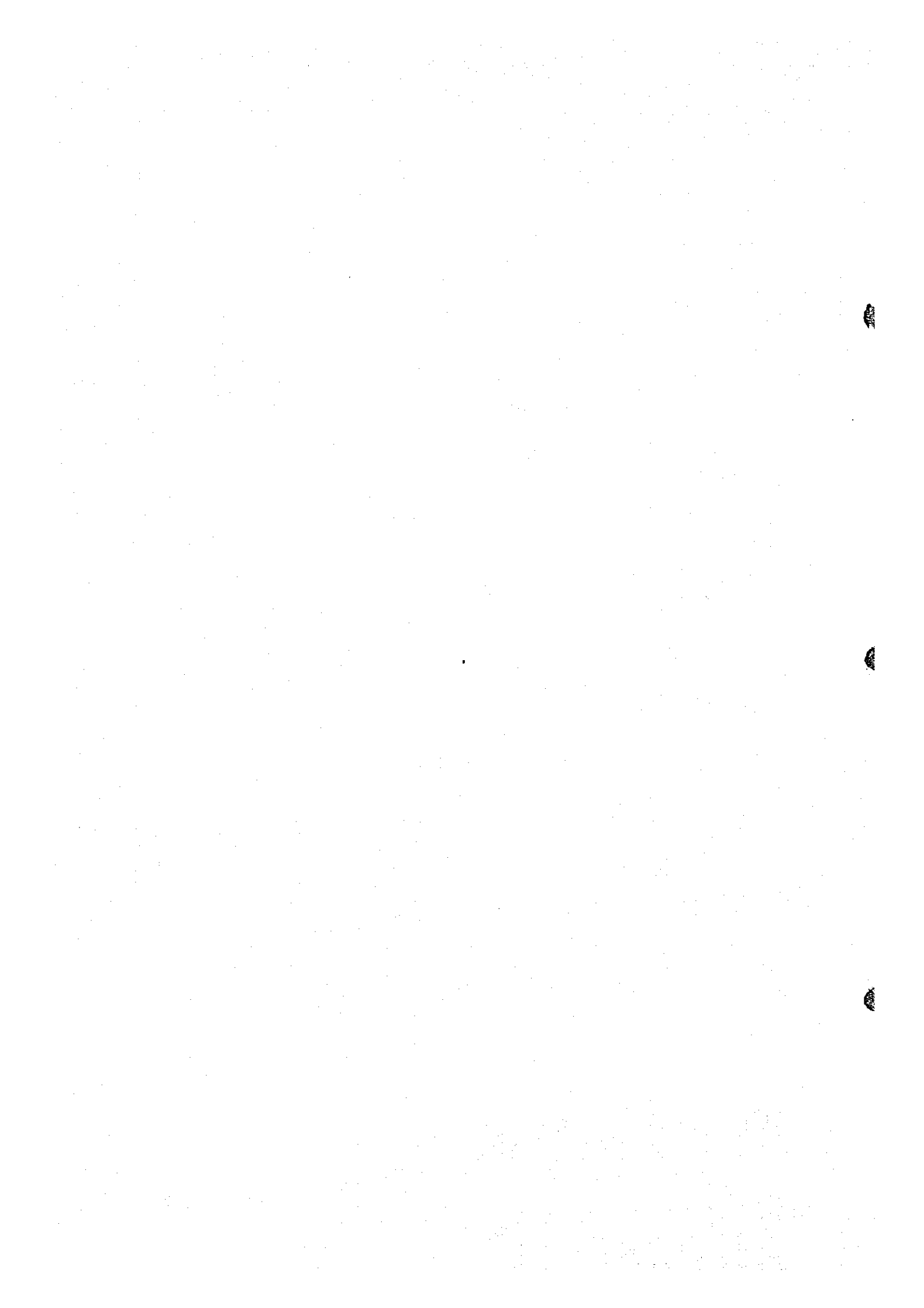
| Sample No. | Locality | Formation | Rock Name | Microscopic Observation | Remarks |
|---------------|----------------|-----------|---------------------|--|---------|
| MR-1 1132 | MR-1 132.40 | P - T | Siltstone | This has also clastic texture is composed of quartz, orthoclase and plagioclase. Amount of fragments is minor than the above mentioned samples. The fragments are mostly rounded in form and their sizes are various from 0.7mm to 0.05mm. Matrix is composed of brownish iron oxide (hematite) carbonates, fine grained felsic and glass. | |
| MR-1 -1144 | MR-1 144.50 | P - T | Arkose sandstone | The rock shows clastic texture and is composed of quartz, orthoclase, plagioclase and granite fragments. All of the fragments show irregular in form and various size from 3mm to 0.1 mm. Quartz shows wavy extinction. Orthoclase shows perthite structure and carlsbad twinning. In some granite fragments, orthoclase shows inter-graphic texture with quartz. Plagioclase shows albite twinning and weak zonal structure. Main constituent mineral of matrix is glass, and others are fine grained carbonates, barite and a few amount of opaque minerals. In this sample, some large grains of fragments look like corroded by glass. | |



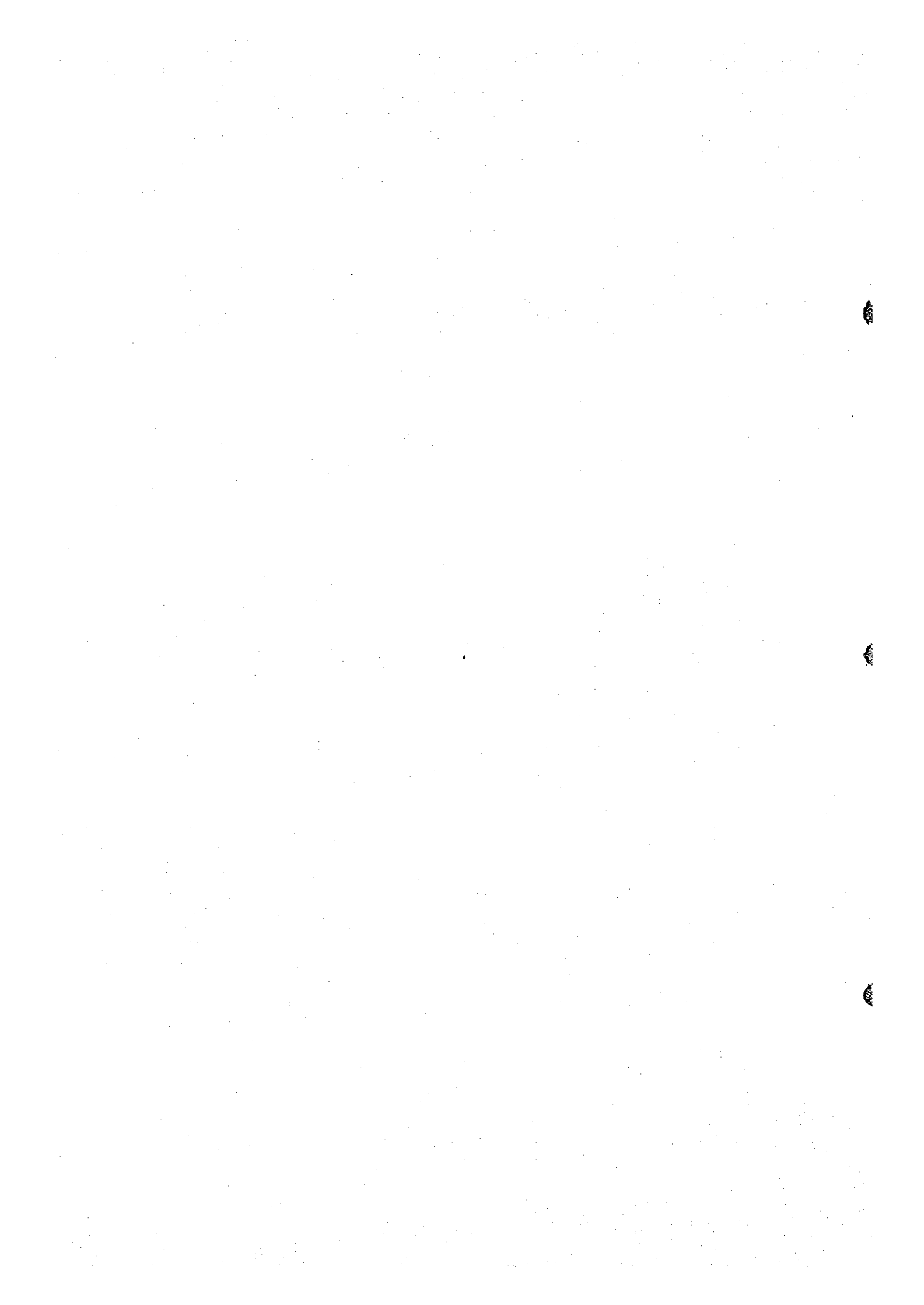
| Sample No. | Locality | Formation | Rock Name | Microscopic Observation | Remarks |
|---------------|----------------|-----------|--|---|-------------------------------------|
| MR-1 -1145 | MR-1 145.30 | Basement | Granite intruded by barite-felsic vein | This is granular granite, which is intruded by barite and fine felsic quartz, orthoclase, a few amount of plagioclase and biotite. Quartz shows wavy extinction and 5 ~ 1.0mm in size. It contains inclusions of biotite. Orthoclase (5 ~ 1mm) shows perthite structure, plagioclase shows stripe twinning and a minor amount. Biotite in subhedral form and brown to reddish brown colour. Vein is composed of barite, fine felsic minerals, muscovite and opaque minerals. Barite shows lath-shaped and clustered crystals (2mm in length). | |
| MR-1 -1148 | MR-1 148.00 | Basement | Granite | This is granular in texture and mainly composed of quartz, plagioclase, orthoclase and biotite. Quartz is sized 7.0mm in maximum and shows wavy extinction. Plagioclase shows albite and stripe twinning, and zonal structure. It is suffered by weak sericitization and 3 ~ 1.0mm in length. Orthoclase shows perthite structure and is weakly turbid in the interior. Biotite (up to 1.0mm) is subhedral form and light yellow to brown in colour. The other accessory minerals are magnetite and zircon. | Photo-micrograph: Fig. III-6, No. 2 |



| Sample No. | Locality | Formation | Rock Name | Microscopic Observation | Remarks |
|---------------|----------------|-----------|------------------------------|---|--------------------------------------|
| MR-2 -2221 | MR-2 221.00 | P - T | Siltstone | The rock shows clastic texture. Fragments are fine grained (up to 0.1mm) quartz and feldspars. All of the fragments are rounded. In parts, aggregates of the fragments are scattered like spot (5 ~ 3mm in size). Matrix has two facies; one is carbonates rich part and the other is Fe-oxide-rich part. Other matrix minerals are sericite and glass. | |
| MR-2 -2231 | MR-2 231.60 | P - T | Arkose sandstone & siltstone | In the rock, there are two facies, coarser band and finer band. The coarser band is made of fragments, which is wavy extinctioned quartz and a little turbid feldspar (0.4 ~ 0.5mm in size) and matrix is fine grained carbonates berite, sricite and glass. The finer band is composed of fine grained fragments (0.1 ~ 0.02mm in size) and matrix. Mineral assemblages of two band are nearly the same. Fine grained opaque minerals are scattered in the rock. | Photo-micrograph : Fig. III-6, No. 3 |



| Sample No. | Locality | Formation | Rock Name | Microscopic Observation | Remarks |
|---------------|----------------|-----------|---------------------|--|---------|
| MR-2 -2261 | MR-2 261.00 | P - T | Arkose sandstone | The rock shows clastic texture. Fragments are quartz, orthoclase, plagioclase and granite. All of fragments are rounded and coated by brownish iron-oxide. Quartz is most abundant and shows wavy extinction (up to 9mm in size). Feldspars show albite and carlsbad twinning, and in parts, orthoclase shows micrographic texture with quartz. Matrix is composed of lath-shaped barite, sericite, recrystallized fine grained felsic minerals and opaque minerals. | |
| MR-2 -2263 | MR-2 263.00 | P - T | Arkose sandstone | This sample is the nearly same as the sample No. MOR-2-2261. This matrix has more barite and sericite than the above. | |
| MR-2 -2264 | MR-2 265.10 | Basement | Aplitic granite | This is granular in texture and mainly composed of quartz, plagioclase, orthoclase and biotite. Quartz shows wavy extinction and mirmekitic texture with feldspars in crystal margin. Quartz is up to 3.0mm in size and contains inclusions of feldspars. Plagioclase shows albite twinning and subhedral form. It is suffered of sericitization. Orthoclase is mostly turbid in the interior, owing to alteration. Biotite is also altered to secondary minerals. Other accessory minerals are apatite and opaque minerals. | |



| Sample No. | Locality | Formation | Rock Name | Microscopic Observation | Remarks |
|---------------|----------------|-----------|------------------|---|---------|
| HM-5 -5289 | HM-5 289.00 | P - T | Siltstone | <p>This is clastic in texture and composed of quartz, feldspar fragments and matrix minerals. All of the fragments are rounded and about 0.15mm in size. Quartz is most abundant and shows wavy extinction. Feldspars show twinning and weak sericitization. Matrix is mainly composed of recrystallized carbonates and fine felsic minerals (0.05mm in size). Other matrix minerals are opaque minerals, a few amount of epidote and glass.</p> | |
| HM-5 -5310 | HM-5 310.00 | P - T | Arkose sandstone | <p>The rock shows clastic texture. Fragments are made of quartz, orthoclase and plagioclase. They are rounded in form and various grain size from 3.0mm to 0.1mm. Quartz is most abundant and shows wavy extinction. Orthoclase shows perthite structure and grid twinning, in parts. It contains inclusions of intergraphic quartz and platy biotite. Plagioclase shows albite twinning and weakly suffered of sericitization. All of fragments are coated by limonite. Matrix is recrystallized to quartz, feldspars and barite. Barite shows acicular and aggregates in form (0.7mm). Opaque minerals are scattered in the matrix.</p> | |



| Sample No. | Locality | Formation | Rock Name | Microscopic Observation | Remarks |
|---------------|----------------|-----------|--------------------|--|---|
| HM-5 -5315 | HM-5 315.00 | Basement | Aplitic granite | <p>The rock is aplitic granite intruded by limonite veins. Aplitic granite is the same as the sample No. HM-5-5316. Vein is up to 1.0mm in width and is composed of limonite, barite and chalcedonic quartz. Limonite is dark red to yellowish red in colour and contains, xenocrysts of irregular quartz and feldspars. In parts of vein, barite occurs in acicular form (0.5mm in size) and aggregates. Barite is often coated by limonite. Chalcedonic quartz (up to 0.1mm in size) occurs frequently in the vein.</p> | |
| HM-5 -5316 | HM-5 316.00 | Basement | Aplitic granite | <p>The rock shows granular texture and is composed of quartz, orthoclase, plagioclase and biotite. Quartz (up to 4.0mm) shows wavy extinction and intergraphic texture with orthoclase, frequently. Orthoclase (up to 4.0mm) shows perthite structure and grid twinning, partly. Plagioclase (up to 3.0mm) shows albite twinning and contains inclusions of mirmekitic quartz. Biotite (about 0.7mm) is platy in form and brown to pale brown in colour. It is closely coexisted with opaque minerals and partly altered to chlorite. Limonite stringer occurs along cleavage of feldspar.</p> | Photo- micrograph: Fig. III-6, No. 4 |

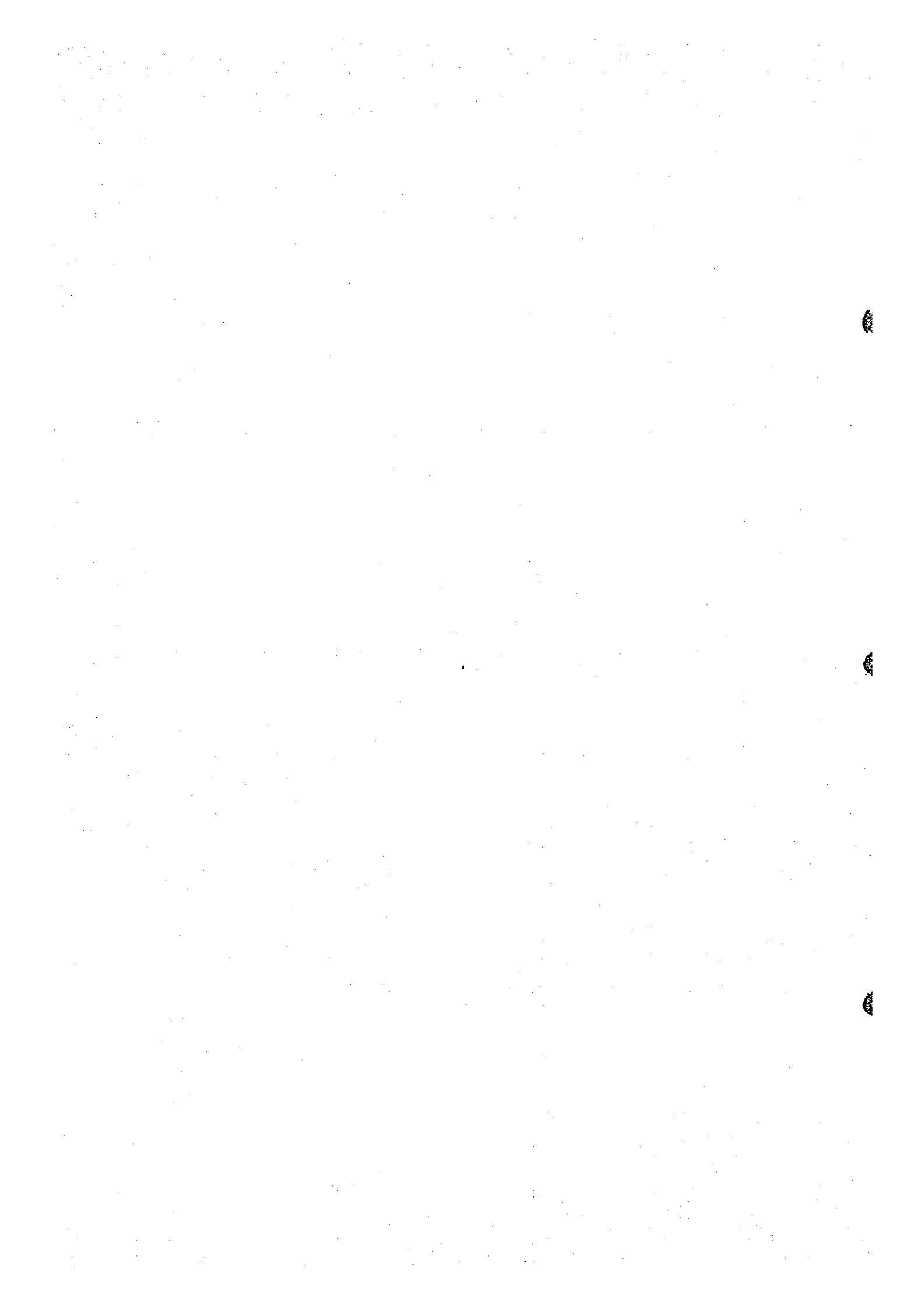


Table III - 12 Microscopic Observations of Polished Sections

| Sample No. | Locality | Formation | Rock Name | Microscopic Observation | Remarks |
|------------|-----------------------|-----------|------------------|---|------------------------------------|
| MR-1-1075 | MR-1 | P-T | Siltstone | Ore minerals are galena, sphalerite, chalcocite and a few amount of pyrite. They are closely coexisted and show anhedral form. They occupy irregular interspaces (matrix) of the rock. Frangements are rounded gangue minerals. | Photomicro-graph: Fig. III-7, No.1 |
| MR-1-1132 | MR-1 | P-T | Siltstone | Ore minerals are fine grained chalcop- pyrite, chalcocite, covellite and pyrite. They are closely coexisted and scattered in matrix of the rock. Fragments are rounded gangue minerals. | Photomicro-graph: Fig. III-7, No.2 |
| MR-1-1145 | MR-1 145F30 | Basement | Granite | Chalcopyrite and chalcocite are present but in very minor amounts. Granules of pyrite are dispersed in the rock. | |
| MR-2-2221 | MR-2 221F00 | P-T | Siltstone | Covellite vein (about 0.1mm width) occurs and fine grained rutile is scattered in the rock. | Photomicro-graph: Fig. III-7, No.4 |
| MR-2-2263 | MR-2 | P-T | Arkose sandstone | Granules pyrite and hematite are observed in the rock. | |
| EM-5-5315 | EM-5 315F00-316F00 | Basement | Aplitic granite | Ore minerals could not be observed without hematite and limonite. | |

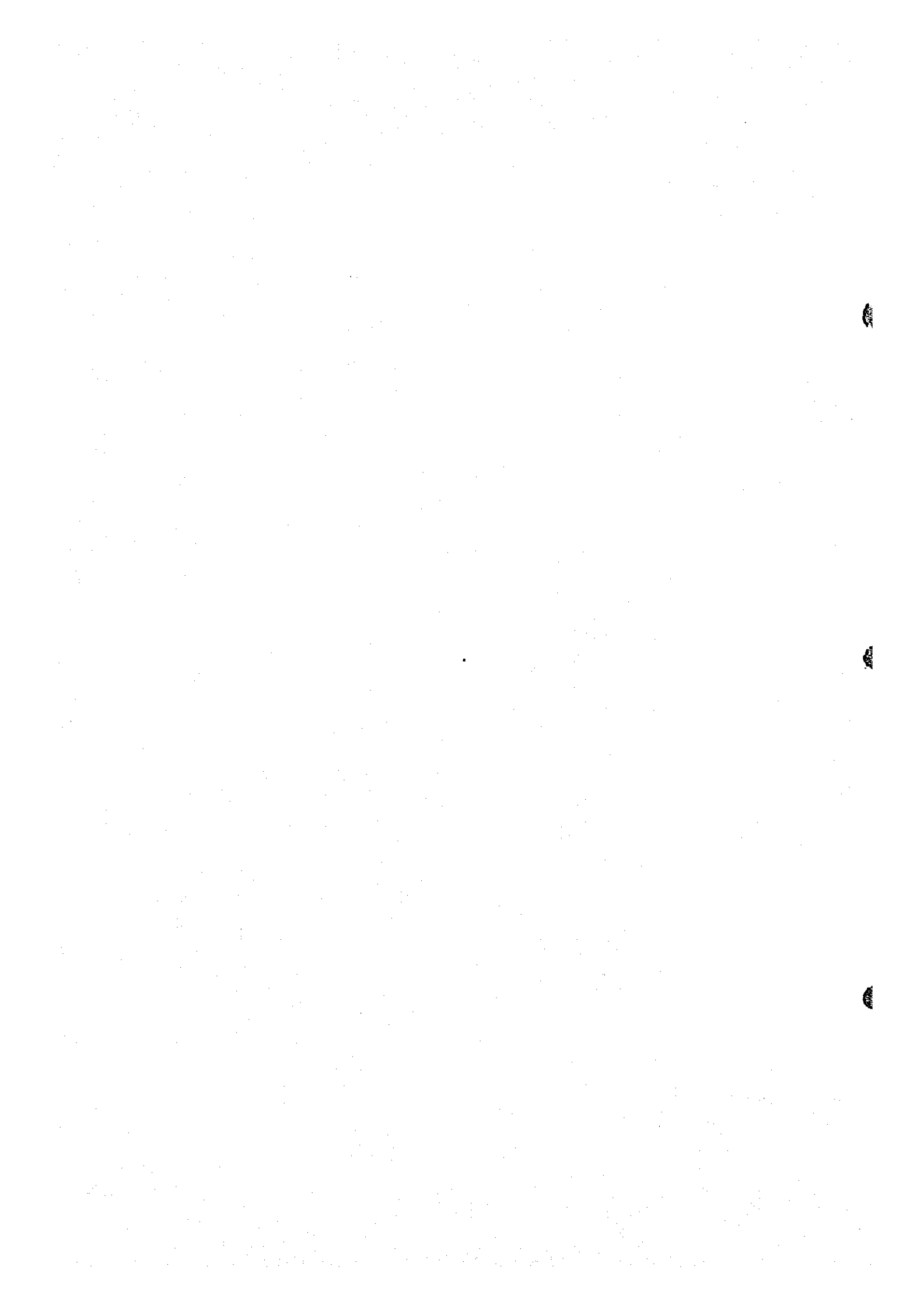


Table III - 13 Results of X-ray Microanalysis

| Sample No. | Locality | Formation | Rock Name | Microscopic Observation | Remarks |
|------------|------------------------------|-----------|---------------------|--|---|
| MR-1-1075 | MR-1 75 ^m .50 | P-T | Siltstone | It is recognized in X-ray reflective images that galena, chalcocite and sphalerite are closely coexisted with each other. | Photo- micrograph: Fig. III-8, No. 1 |
| MR-1-1132 | MR-1 132 ^m .40 | P-T | Siltstone | It is detected by Cu and Fe X-ray reflective images that chalcopyrite and chalcocite are closely coexisted. Rutile is recognized in Ti X-ray reflective image. | Photo- micrograph: Fig. III-8, No. 2 |
| MR-1-1145 | MR-1 145 ^m .30 | Basement | Granite | Needle like crystal of chalcopyrite is occurred in gangue mineral and recognized in X-ray reflective images. | Photo- micrograph: Fig. III-8, No. 3 |
| MR-2-2263 | MR-2 263 ^m .00 | P-T | Arkose sandstone | Covellite is detected by Cu and S X-ray reflective images. | Photo- micrograph: Fig. III-8, No. 4 |

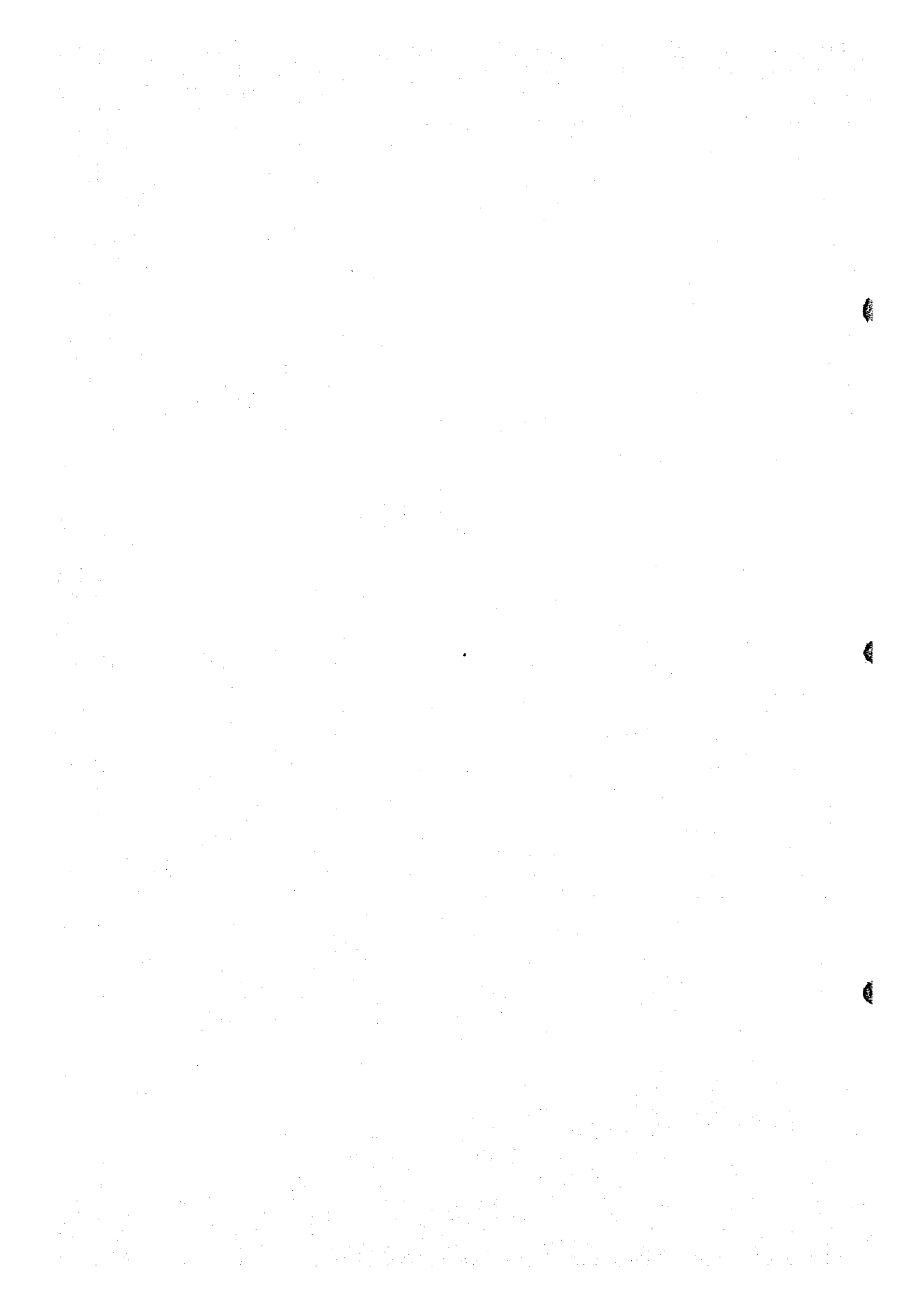


Table III-14 U, Ba and Pb in Core of Drill Hole, MR-1

| Sample No. | Rock Name | Pb (ppm) | Ba ‰ | U ‰ | Depth (m) |
|------------|-----------|----------|------|---------|---------------|
| 1030 | mudstone | - | - | < 0.002 | 30.00~ 31.00 |
| 1047 | mudstone | - | - | < 0.002 | 47.00~ 48.00 |
| 1048 | mudstone | - | - | < 0.002 | 48.00~ 48.60 |
| 1055 | mudstone | - | - | < 0.002 | 55.60~ 56.60 |
| 1056 | mudstone | - | - | < 0.002 | 56.60~ 57.50 |
| 1057 | mudstone | - | - | < 0.002 | 57.50~ 59.00 |
| 1061 | mudstone | - | - | < 0.002 | 61.60~ 62.60 |
| 1062 | mudstone | - | - | < 0.002 | 62.60~ 63.60 |
| 1074 | mudstone | - | - | < 0.002 | 74.60~ 75.20 |
| 1075 | mudstone | - | - | 0.005 | 75.20~ 75.60 |
| 1076 | mudstone | - | - | < 0.002 | 75.60~ 76.60 |
| 1115 | mudstone | - | - | < 0.002 | 115.50~116.30 |
| 1116 | mudstone | - | - | < 0.002 | 116.30~117.30 |
| 1117 | mudstone | - | - | < 0.002 | 117.30~118.30 |
| 1118 | mudstone | - | - | < 0.002 | 118.30~119.30 |
| 1132 | mudstone | - | - | < 0.002 | 132.50~132.80 |
| 1133 | mudstone | - | - | < 0.002 | 133.10~133.30 |
| 1138 | mudstone | - | - | < 0.002 | 138.00~139.00 |
| 1139 | mudstone | - | - | < 0.002 | 139.00~140.00 |
| 1140 | mudstone | 14 | 0.54 | < 0.002 | 140.00~141.00 |
| 1141 | mudstone | 22 | 0.24 | < 0.002 | 141.00~142.00 |
| 1142 | mudstone | 42 | 0.14 | < 0.002 | 142.00~143.00 |
| 1143 | mudstone | 14 | 0.13 | < 0.002 | 143.00~144.00 |
| 1144 | arkose | 12 | 0.30 | < 0.002 | 144.00~145.00 |
| 1145 | granite | 28 | 8.40 | < 0.002 | 145.00~146.00 |



Table III-15 U, Ba and Pb in Core of Drill Hole, MR-2

| Sample No. | Rock Name | Pb (%) | Ba (%) | U (%) | Depth (m) |
|------------|-----------------|---------|--------|---------|---------------|
| 2160 | siltstone | - | - | < 0.002 | 160.00~160.10 |
| 2167 | siltstone | 0.008 | - | < 0.002 | 167.00~168.00 |
| 2169 | siltstone | 0.007 | - | < 0.014 | 169.00~170.00 |
| 2170 | siltstone | 0.008 | - | < 0.002 | 170.00~170.60 |
| 2221 | mudstone | - | - | < 0.002 | 221.00~221.20 |
| 2230 | siltstone | - | - | < 0.002 | 230.00~231.00 |
| 2231 | mudstone | - | - | < 0.002 | 231.00~232.50 |
| 2242 | mudstone | - | - | < 0.002 | 242.60~243.60 |
| 2243 | siltstone | - | - | < 0.002 | 243.60~244.60 |
| 2244 | siltstone | - | - | < 0.002 | 244.60~245.60 |
| 2245 | siltstone | - | - | < 0.002 | 245.60~246.60 |
| 2246 | siltstone | - | - | < 0.002 | 246.60~247.60 |
| 2247 | siltstone | - | - | < 0.002 | 247.60~248.00 |
| 2248 | siltstone | - | - | < 0.002 | 248.00~249.00 |
| 2249 | siltstone | - | - | < 0.002 | 249.00~250.00 |
| 2250 | siltstone | - | - | < 0.002 | 250.00~251.00 |
| 2251 | arkose | - | - | < 0.002 | 251.00~252.00 |
| 2252 | mudstone | - | - | < 0.002 | 252.00~253.00 |
| 2253 | arkose | - | - | < 0.002 | 253.00~254.00 |
| 2254 | arkose | - | - | < 0.002 | 254.00~255.00 |
| 2255 | arkose | - | - | < 0.002 | 255.00~256.00 |
| 2256 | arkose | - | - | < 0.002 | 256.00~257.00 |
| 2257 | arkose | - | - | < 0.002 | 257.00~258.00 |
| 2258 | sandstone | - (ppm) | - | < 0.002 | 258.00~259.00 |
| 2259 | arkose | 136 | 0.28 | < 0.002 | 259.00~260.00 |
| 2260 | arkose | 100 | 4.60 | < 0.002 | 260.00~261.00 |
| 2261 | arkose | 114 | 5.00 | < 0.002 | 261.00~262.00 |
| 2262 | arkose | 116 | 4.60 | < 0.002 | 262.00~263.00 |
| 2263 | arkose | 220 | 5.00 | < 0.002 | 263.00~264.00 |
| 2264 | aplitic granite | 144 | 0.84 | < 0.002 | 264.00~265.20 |



Table III-16 U and Pb in Core of Drill Hole, MR-3

| Sample No. | Rock Name | Pb (%) | Ba (%) | U (%) | Depth (m) |
|------------|-----------|--------|--------|---------|---------------|
| 3131 | siltstone | 0.003 | - | < 0.002 | 131.10~132.10 |
| 3132 | siltstone | 0.003 | - | < 0.002 | 132.10~133.10 |
| 3133 | siltstone | 0.003 | - | < 0.002 | 133.10~134.10 |
| 3134 | siltstone | 0.004 | - | < 0.002 | 134.10~135.10 |
| 3135 | siltstone | 0.007 | - | < 0.002 | 135.10~136.60 |



Table III--17 Ba and Pb in Core of Drill Hole, HM-3

| Sample No. | Rock Name | Pb (ppm) | Ba (%) | U (%) | Depth (m) |
|------------|-----------|----------|--------|-------|---------------|
| 3362 | | 78 | 0.17 | - | 362.00~363.00 |
| 3364 | | 700 | 0.10 | - | 364.00~365.00 |
| 3366 | | 42 | 0.06 | - | 366.00~367.00 |
| 3368 | | 58 | 0.06 | - | 368.00~369.00 |
| 3370 | | 36 | 0.13 | - | 370.00~371.00 |
| 3372 | | 22 | 0.34 | - | 372.00~373.00 |
| 3374 | | 70 | 0.20 | - | 374.00~375.00 |
| 3376 | | 72 | 0.24 | - | 376.00~377.00 |
| 3378 | | 136 | 0.32 | - | 378.00~379.00 |
| 3380 | | 66 | 0.30 | - | 380.00~381.00 |
| 3382 | | 82 | 0.16 | - | 382.00~383.00 |
| 3384 | | 42 | 0.06 | - | 384.00~385.00 |
| 3386 | | 36 | 0.10 | - | 386.00~387.00 |
| 3388 | | 78 | 0.58 | - | 388.00~389.00 |
| 3390 | | 138 | 0.13 | - | 390.00~391.00 |
| 3392 | | 70 | 0.19 | - | 392.00~393.00 |
| 3394 | | 82 | 0.04 | - | 394.00~395.00 |
| 3396 | | 58 | 0.06 | - | 396.00~397.00 |



Table III-18 U, Ba and Pb in Core of Drill Hole, HM-5

| Sample No. | Rock Name | Pb (ppm) | Ba (%) | U (%) | Depth (m) |
|------------|-----------|----------|--------|---------|---------------|
| 5307 | sandstone | 16 | 0.05 | - | 307.00~308.00 |
| 5308 | arkose | 42 | 0.56 | - | 308.00~309.00 |
| 5309 | arkose | 40 | 2.96 | - | 309.00~310.00 |
| 5310 | arkose | 46 | 3.52 | < 0.002 | 310.00~311.00 |
| 5311 | arkose | 70 | 0.76 | < 0.002 | 311.00~312.00 |
| 5312 | arkose | 66 | 0.56 | 0.002 | 312.00~313.00 |
| 5313 | arkose | 40 | 1.60 | < 0.002 | 313.00~314.00 |
| 5314 | arkose | 44 | 2.32 | < 0.002 | 314.00~315.00 |

