

Bore Hole No. : BA-1
 Location : Borrow Area A
 Ground Elevation : EL. 214.231 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

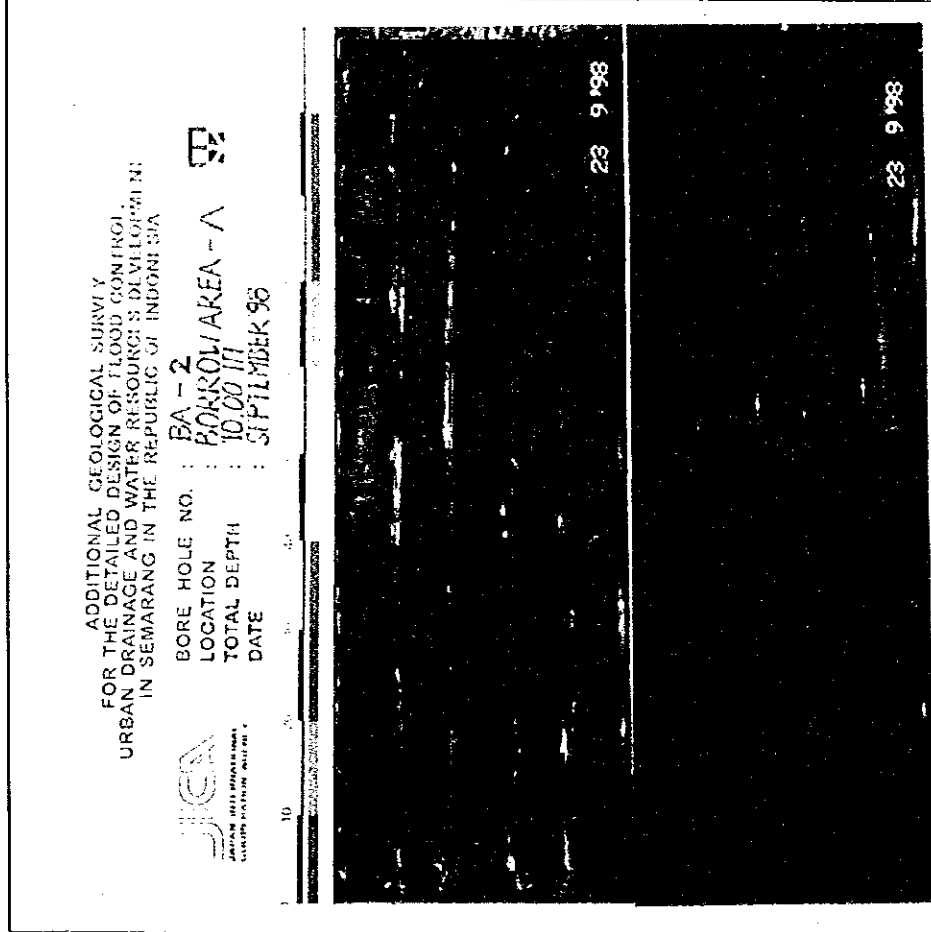


Photo 3.2.1 Drilling Core Photograph of Bore Hole No. BA - 1

Bore Hole No. : BA-2
 Location : Borrow Area A
 Ground Elevation : EL. 218.607 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

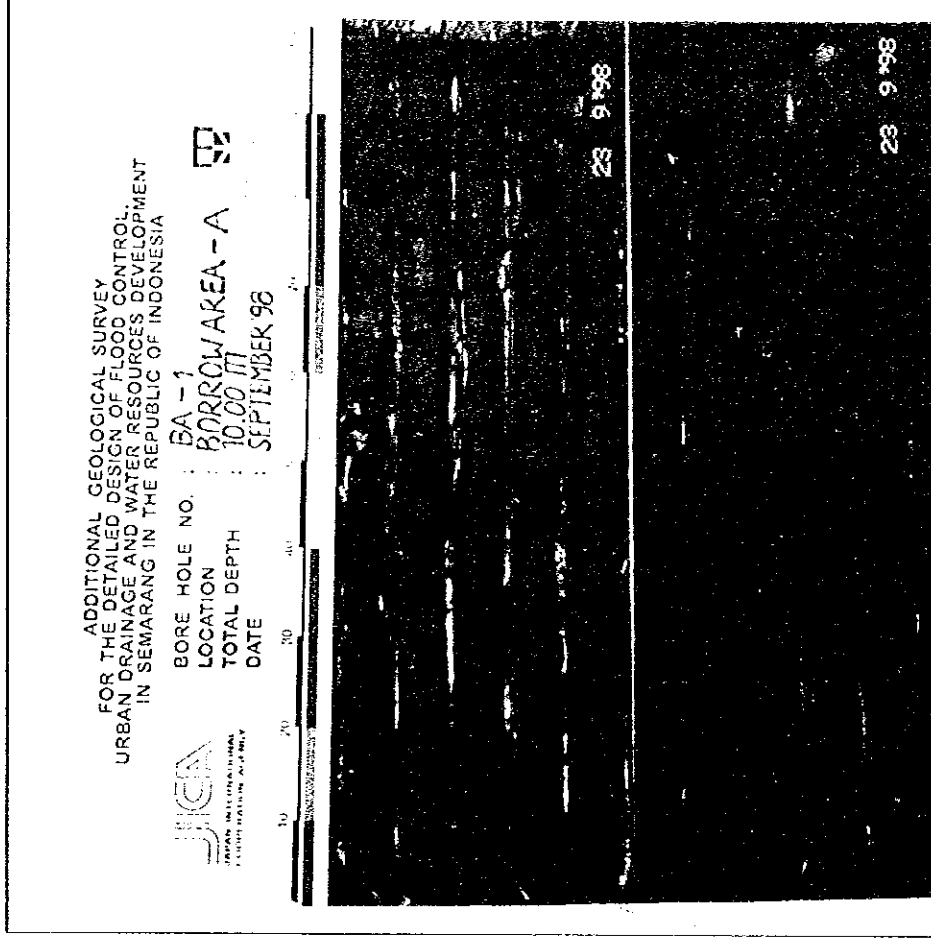


Photo 3.2.2 Drilling Core Photograph of Bore Hole No. BA - 2

Bore Hole No. : BA-3
 Location : Borrow Area A
 Ground Elevation : EL. 216.462 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

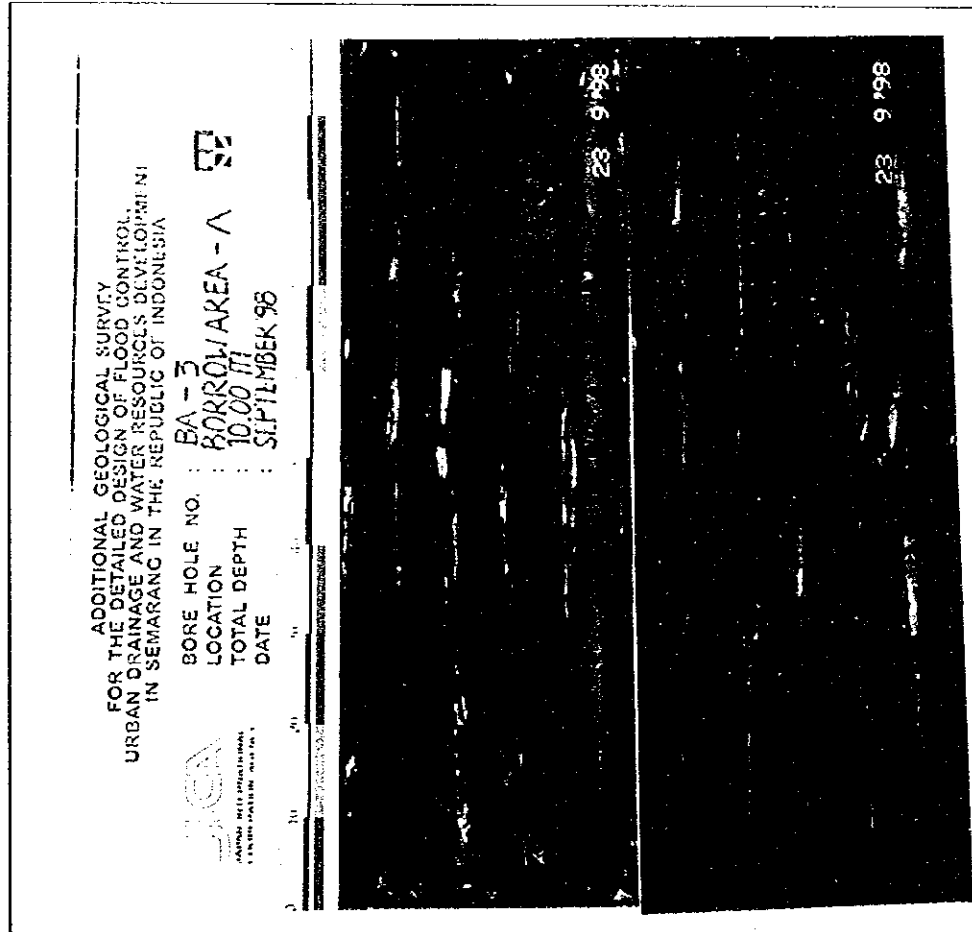


Photo 3.2.3 Drilling Core Photograph of Bore Hole No. BA - 3

Bore Hole No. : BA-4
 Location : Borrow Area A
 Ground Elevation : EL. 216.204 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

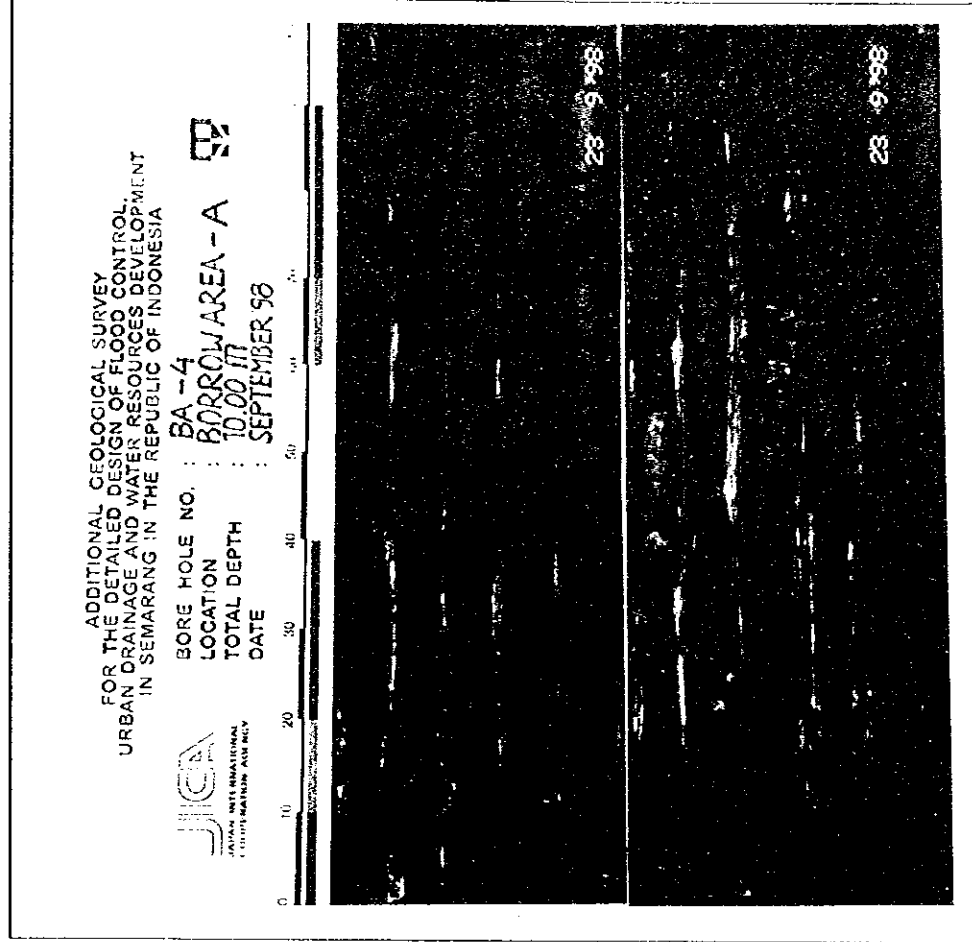


Photo 3.2.4 Drilling Core Photograph of Bore Hole No. BA - 4

Bore Hole No. : BA-5
 Location : Borrow Area A
 Ground Elevation : EL. 198.518 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

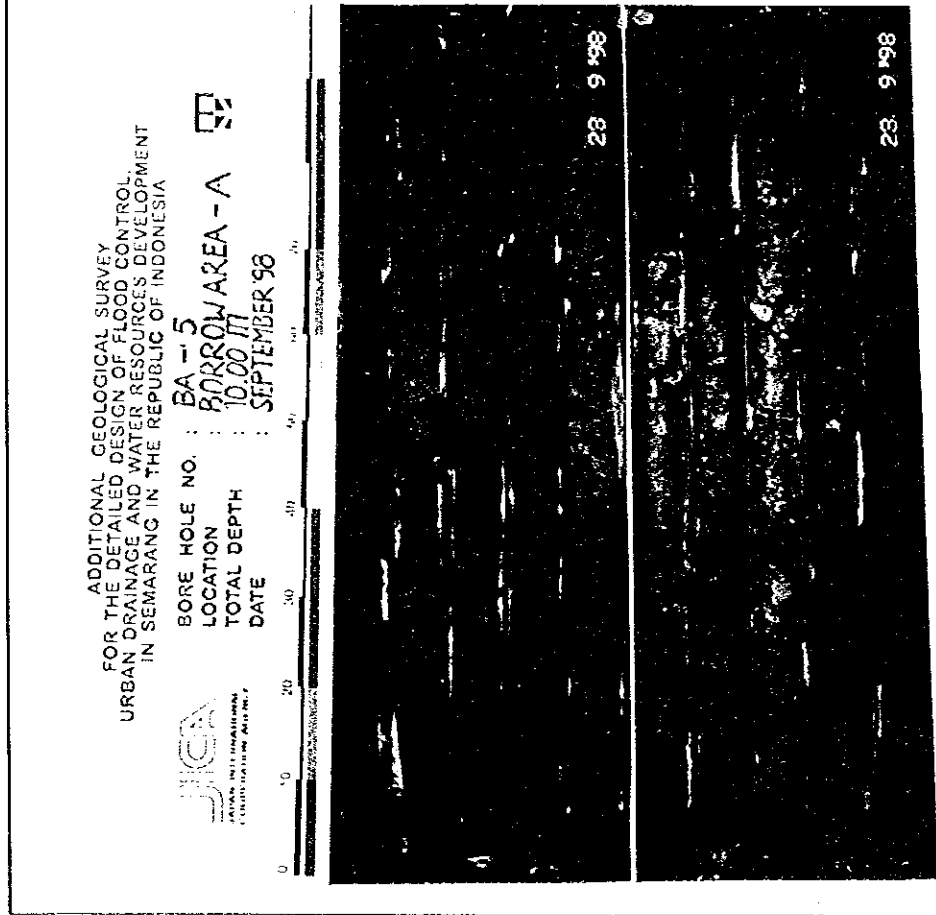


Photo 3.2.5 Drilling Core Photograph of Bore Hole No. BA - 5

Bore Hole No. : BA-6
 Location : Borrow Area A
 Ground Elevation : EL. 215.990 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

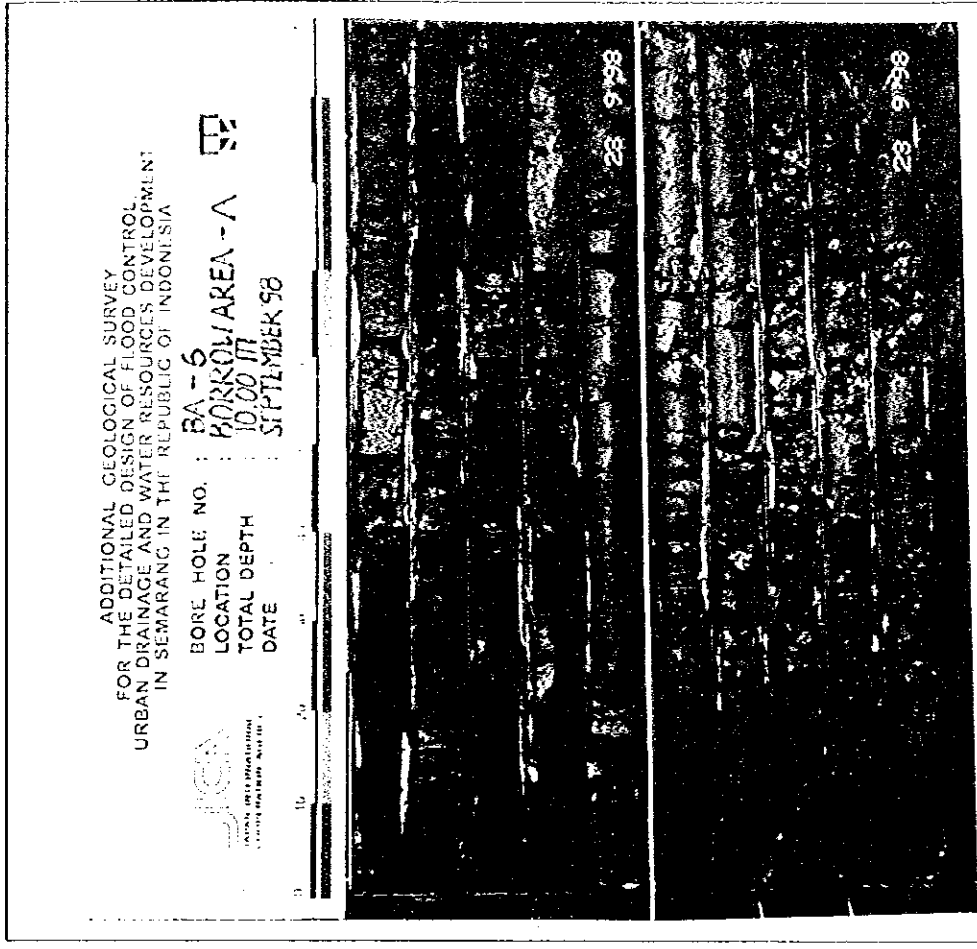


Photo 3.2.6 Drilling Core Photograph of Bore Hole No. BA - 6

Bore Hole No. : BB-1
 Location : Borrow Area A
 Ground Elevation : EL. 186.79 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

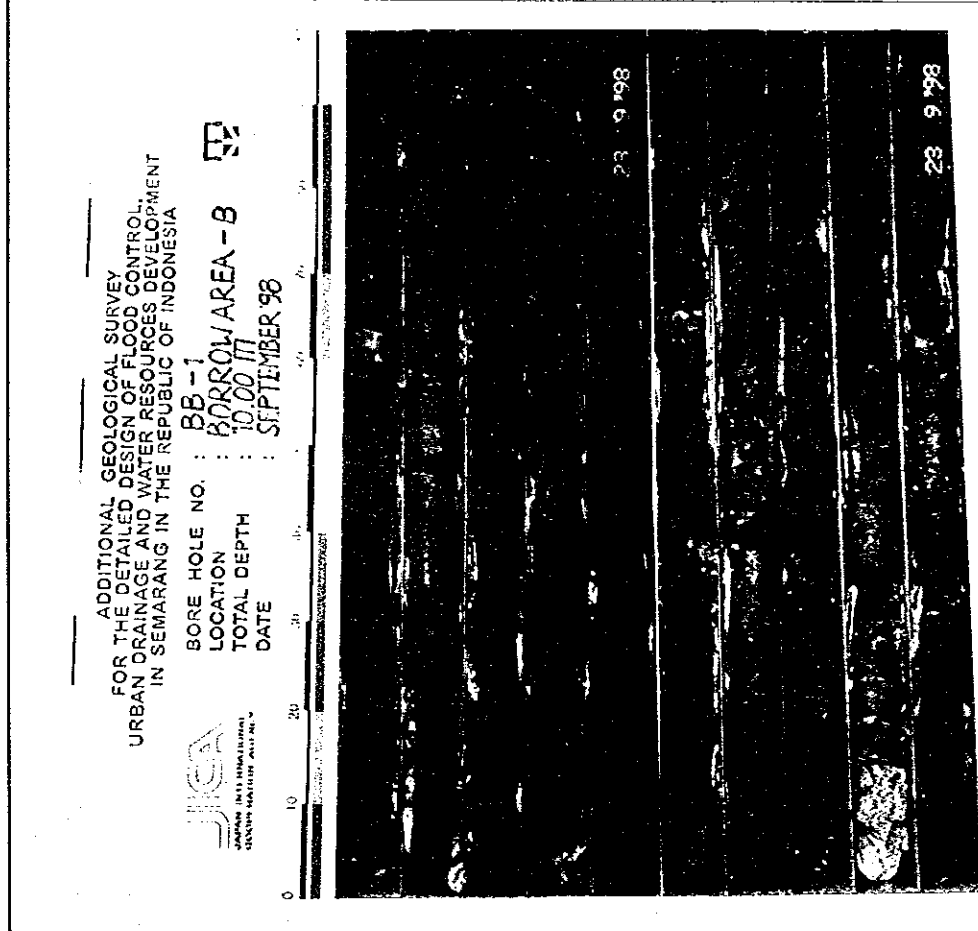


Photo 3.2.7 Drilling Core Photograph of Bore Hole No. BB - 1

Bore Hole No. : BB-2
 Location : Borrow Area A
 Ground Elevation : EL. 183.14 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

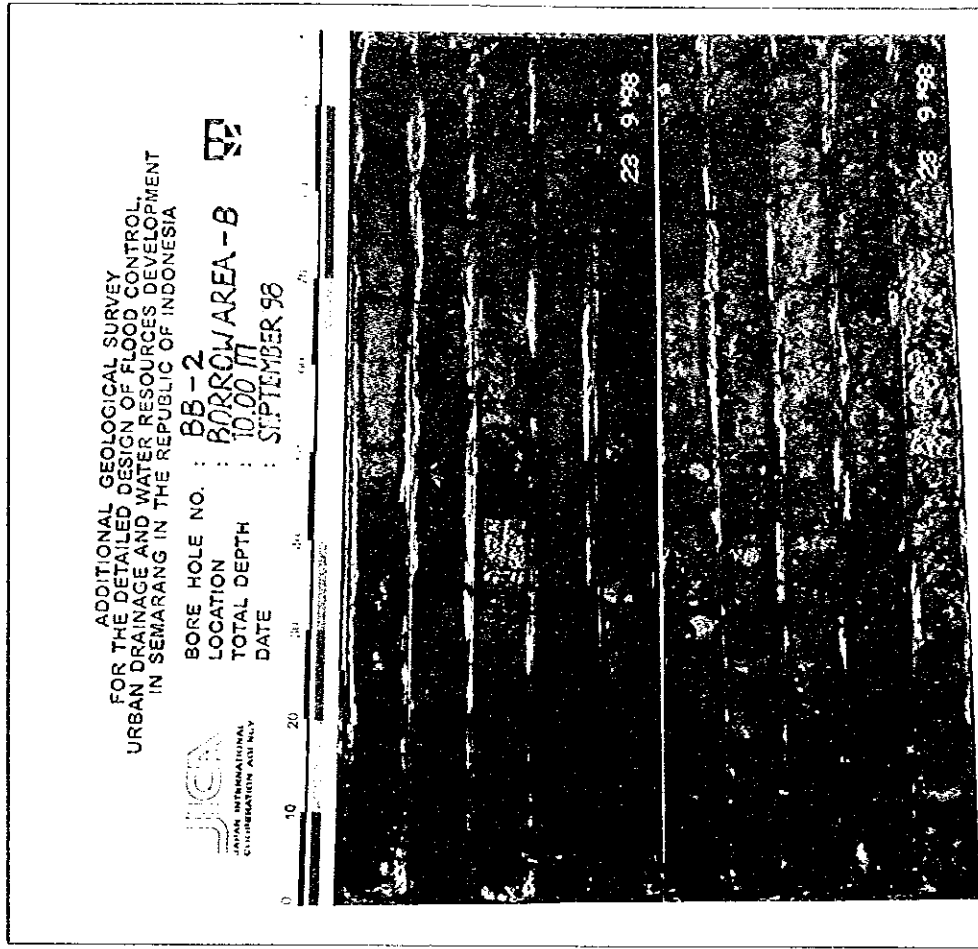


Photo 3.2.8 Drilling Core Photograph of Bore Hole No. BB - 2

Bore Hole No. : BB-3
 Location : Borrow Area A
 Ground Elevation : EL. 170.76 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

ADDITIONAL GEOLOGICAL SURVEY
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 IN SEMARANG IN THE REPUBLIC OF INDONESIA

JICA
 JAPAN INTERNATIONAL COOPERATION AGENCY

BORE HOLE NO. : BB-3
 LOCATION : BORROW AREA - B
 TOTAL DEPTH : 10.00 m
 DATE : SEPTEMBER '98

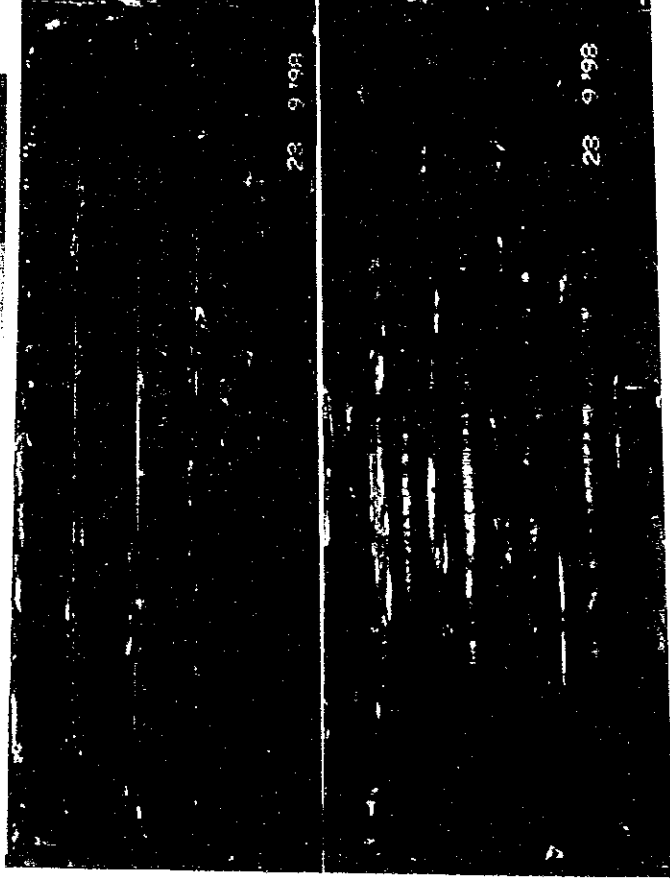


Photo 3.2.9 Drilling Core Photograph of Bore Hole No. BB - 3

Bore Hole No. : BB-4
 Location : Borrow Area A
 Ground Elevation : EL. 190.28 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

ADDITIONAL GEOLOGICAL SURVEY
 FOR THE DETAILED DESIGN OF FLOOD CONTROL,
 URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT
 IN SEMARANG IN THE REPUBLIC OF INDONESIA

JICA
 JAPAN INTERNATIONAL COOPERATION AGENCY

BORE HOLE NO. : BB-4
 LOCATION : BORROW AREA - B
 TOTAL DEPTH : 10.00 m
 DATE : SEPTEMBER '98

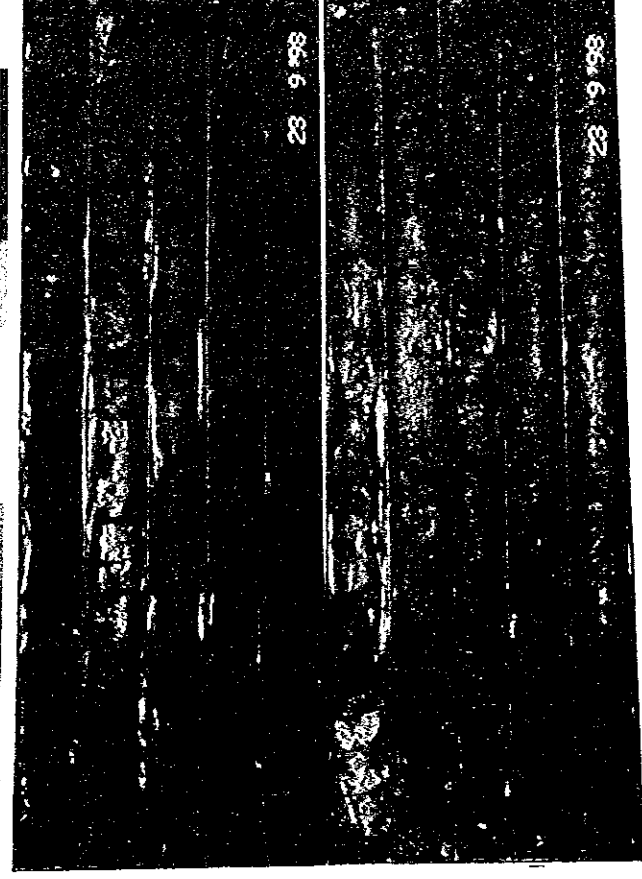


Photo 3.2.10 Drilling Core Photograph of Bore Hole No. BB - 4

Bore Hole No. : BB-5
 Location : Borrow Area A
 Ground Elevation : EL. 187.24 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

ADDITIONAL GEOLOGICAL SURVEY
 FOR THE DETAILED DESIGN OF FLOOD CONTROL,
 URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT
 IN SEMARANG IN THE REPUBLIC OF INDONESIA

JICA
 JAPAN INTERNATIONAL COOPERATION AGENCY

BORE HOLE NO. : BB-5
 LOCATION : BORROW AREA - B
 TOTAL DEPTH : 10.00 m
 DATE : SEPTEMBER '98



Photo 3.2.11 Drilling Core Photograph of Bore Hole No. BB - 5

Bore Hole No. : BB-6
 Location : Borrow Area A
 Ground Elevation : EL. 187.36 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

ADDITIONAL GEOLOGICAL SURVEY
 FOR THE DETAILED DESIGN OF FLOOD CONTROL,
 URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT
 IN SEMARANG IN THE REPUBLIC OF INDONESIA

JICA
 JAPAN INTERNATIONAL COOPERATION AGENCY

BORE HOLE NO. : BB-6
 LOCATION : BORROW AREA - B
 TOTAL DEPTH : 10.00 m
 DATE : AUGUST 1998

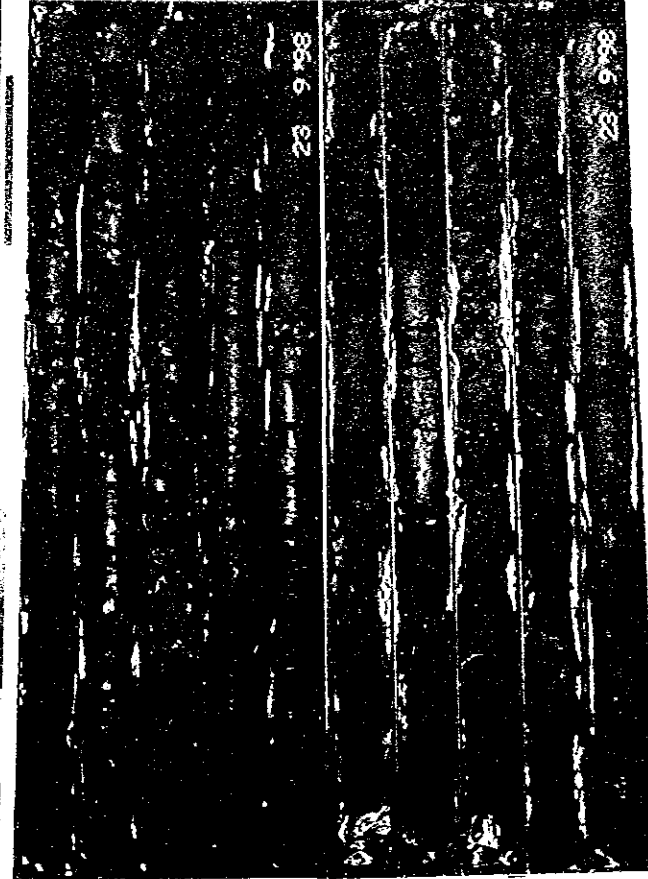


Photo 3.2.12 Drilling Core Photograph of Bore Hole No. BB - 6

Bore Hole No. : BB-7
 Location : Borrow Area A
 Ground Elevation : EL. 189.40 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

ADDITIONAL GEOLOGICAL SURVEY
 FOR THE DETAILED DESIGN OF FLOOD CONTROL
 URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT
 IN SEMARANG IN THE REPUBLIC OF INDONESIA

BORE HOLE NO. : BB-7
 LOCATION : BORROW AREA - B
 TOTAL DEPTH : 10.00 m
 DATE : AUGUST 1998



Photo 3.2.13 Drilling Core Photograph of Bore Hole No. BB - 7

Bore Hole No. : BB-8
 Location : Borrow Area A
 Ground Elevation : EL. 177.06 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

ADDITIONAL GEOLOGICAL SURVEY
 FOR THE DETAILED DESIGN OF FLOOD CONTROL
 URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT
 IN SEMARANG IN THE REPUBLIC OF INDONESIA

BORE HOLE NO. : BB-8
 LOCATION : BORROW AREA - B
 TOTAL DEPTH : 10.00 m
 DATE : AUGUST 1998

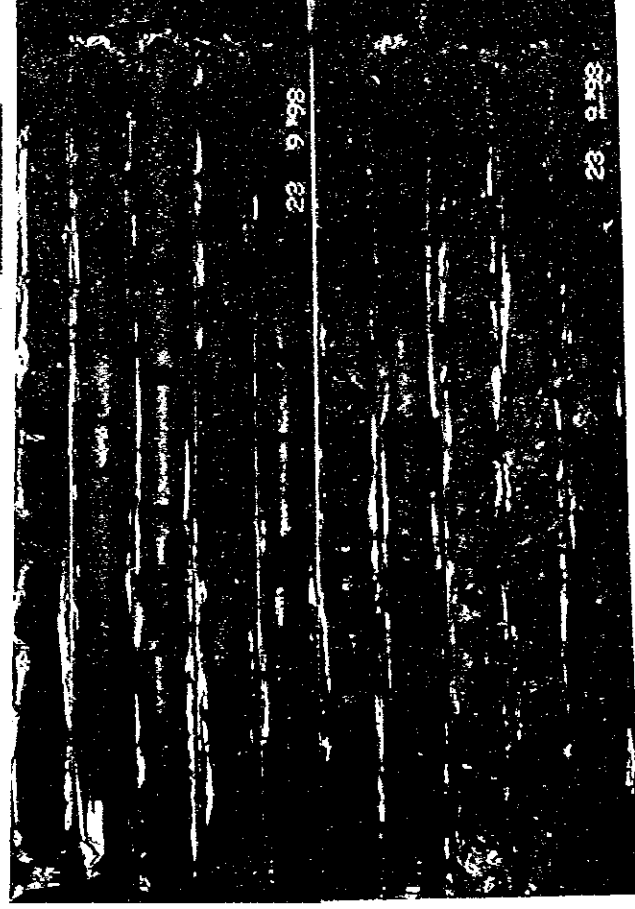


Photo 3.2.14 Drilling Core Photograph of Bore Hole No. BB - 8

Bore Hole No. : BB-9
 Location : Borrow Area A
 Ground Elevation : EL. 185.17 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

ADDITIONAL GEOLOGICAL SURVEY
 FOR THE DETAILED DESIGN OF FLOOD CONTROL
 URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT
 IN SEMARANG IN THE REPUBLIC OF INDONESIA

BORE HOLE NO. : BB-9
 LOCATION : BORROW AREA - B
 TOTAL DEPTH : 10.00 m
 DATE : AUGUST 1998



Photo 3.2.15 Drilling Core Photograph of Bore Hole No. BB - 9

Bore Hole No. : BB-10
 Location : Borrow Area A
 Ground Elevation : EL. 182.18 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

ADDITIONAL GEOLOGICAL SURVEY
 FOR THE DETAILED DESIGN OF FLOOD CONTROL
 URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT
 IN SEMARANG IN THE REPUBLIC OF INDONESIA

BORE HOLE NO. : BB-10
 LOCATION : BORROW AREA - B
 TOTAL DEPTH : 10.00 m
 DATE : AUGUST 1998

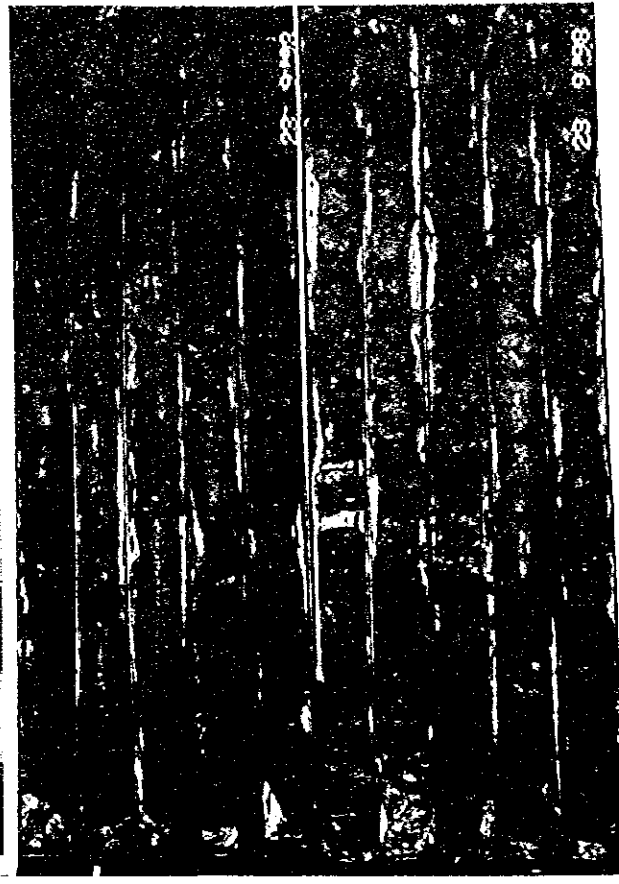


Photo 3.2.16 Drilling Core Photograph of Bore Hole No. BB - 10

Bore Hole No. : BB-11
 Location : Borrow Area A
 Ground Elevation : EL. 180.23 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

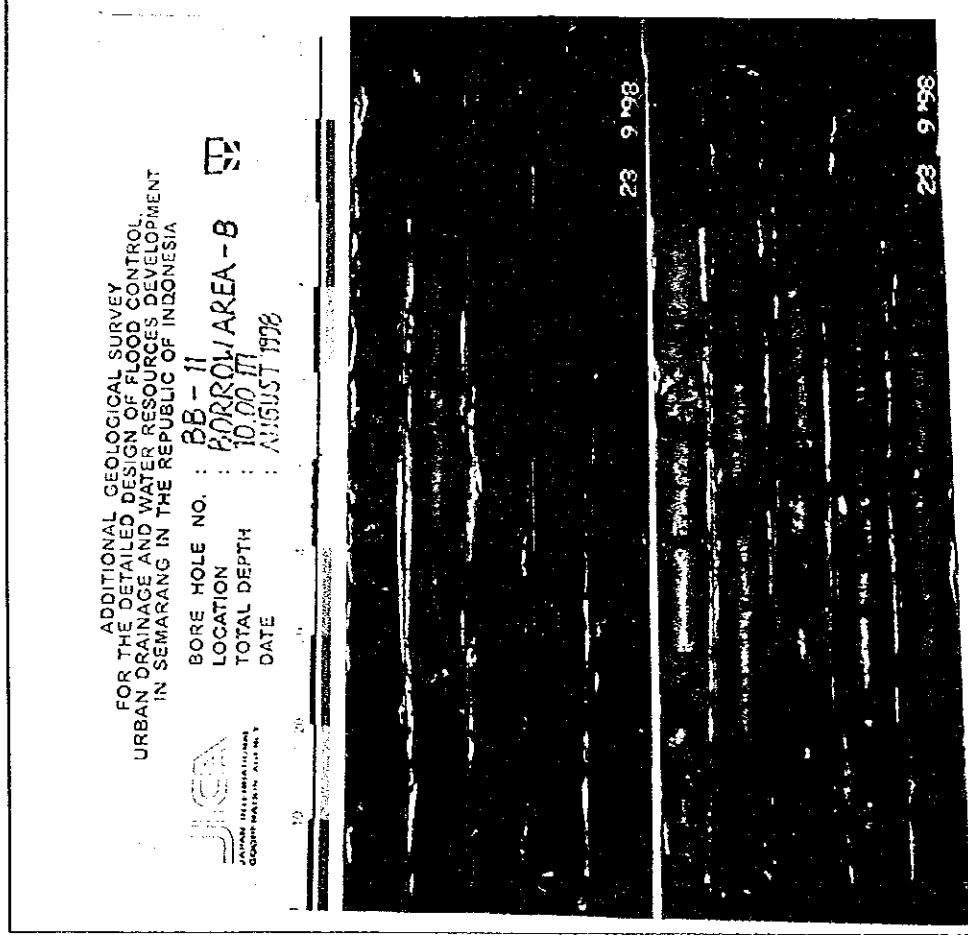


Photo 3.2.17 Drilling Core Photograph of Bore Hole No. BB - 11

Bore Hole No. : BB-12
 Location : Borrow Area A
 Ground Elevation : EL. 177.24 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

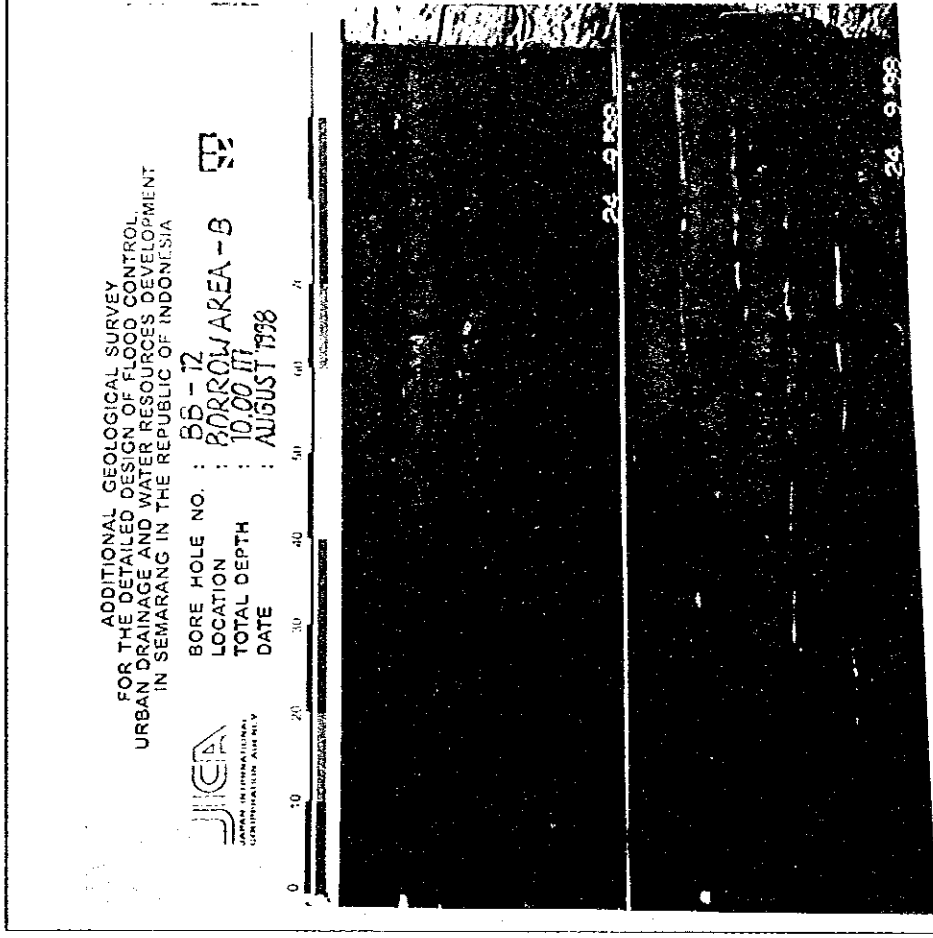


Photo 3.2.18 Drilling Core Photograph of Bore Hole No. BB - 12

Bore Hole No. : BB-13
 Location : Borrow Area A
 Ground Elevation : EL. 172.72 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

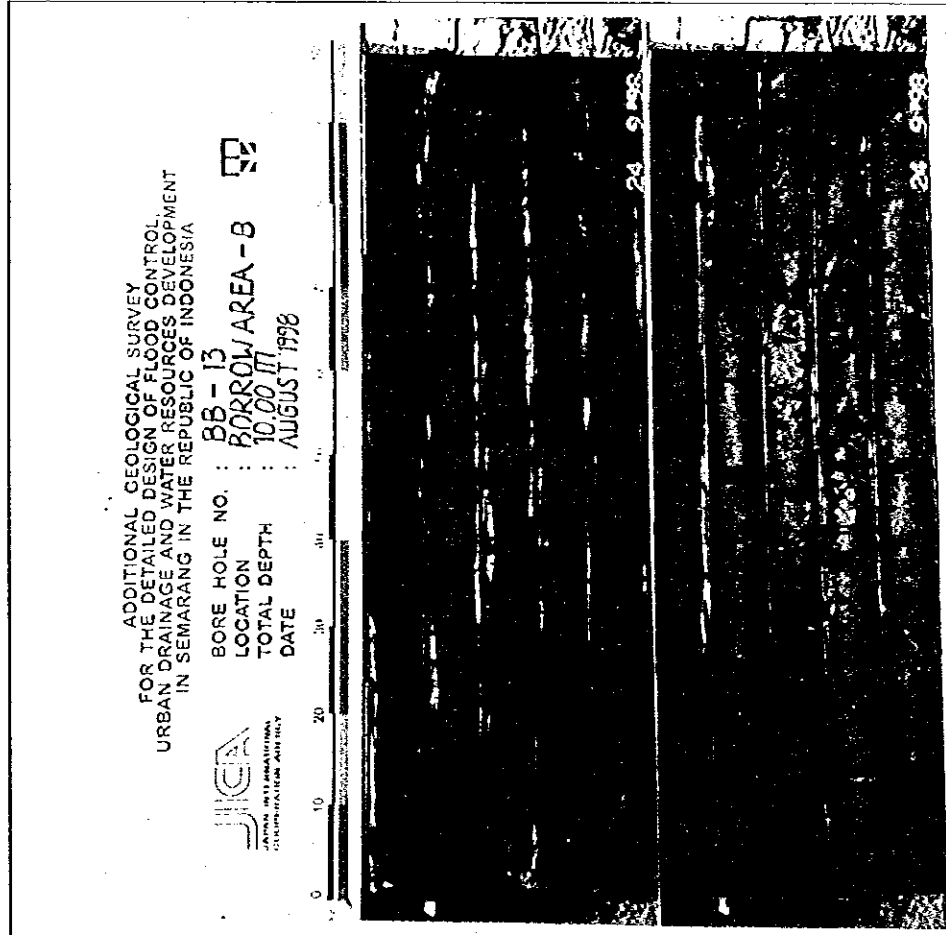


Photo 3.2.19 Drilling Core Photograph of Bore Hole No. BB - 13

Bore Hole No. : BB-14
 Location : Borrow Area A
 Ground Elevation : EL. 181.89 m
 Total Depth : 10 m
 Depth : 0 ~ 10 m

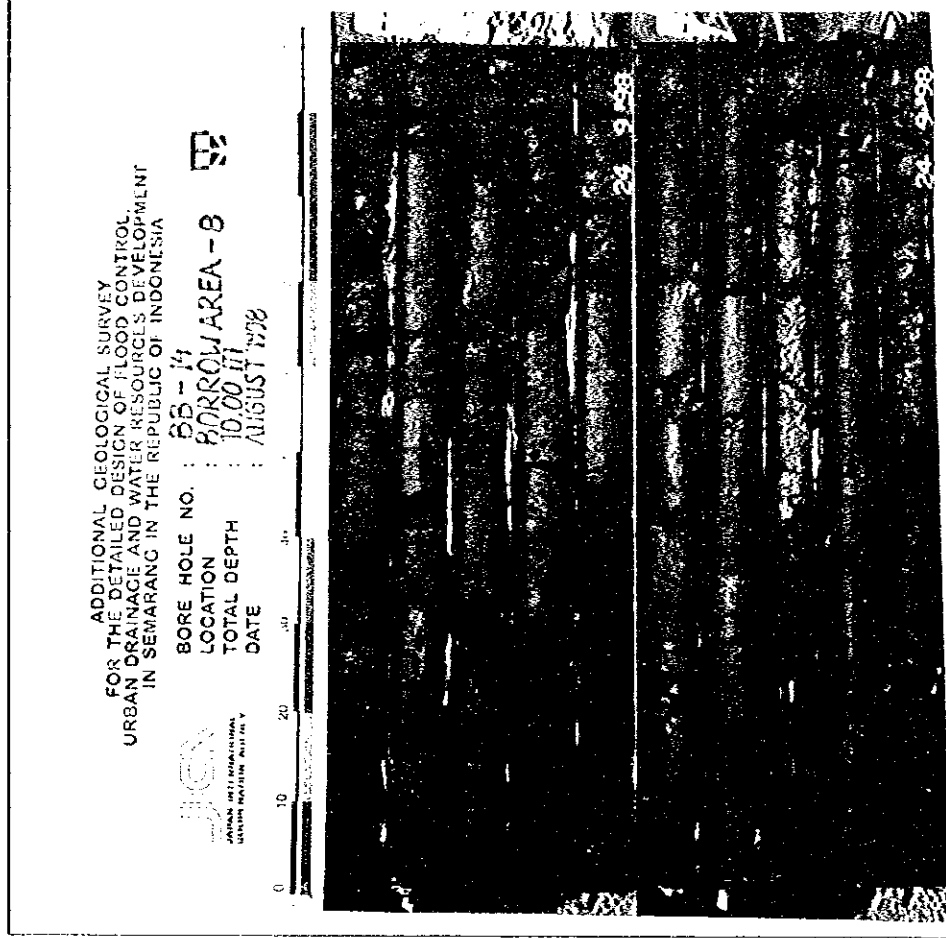


Photo 3.2.20 Drilling Core Photograph of Bore Hole No. BB - 14

Test Pit No. : TPA - 1
Location : Borrow Area A
Ground Elevation : EL. 216.650 m
Total Depth : 5 m
Depth : 0 ~ 5 m

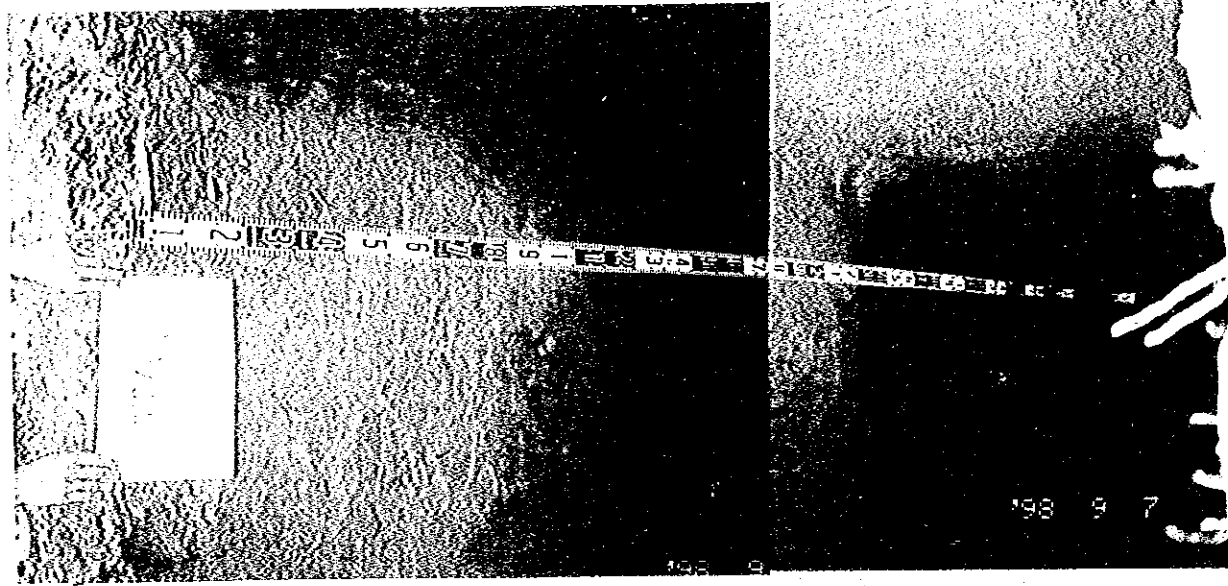


Photo 3.2.21 Test Pit No. TPA - 1 Photograph

Test Pit No. : TPA - 2
Location : Borrow Area A
Ground Elevation : EL. 216.213 m
Total Depth : 5 m
Depth : 0 ~ 5 m

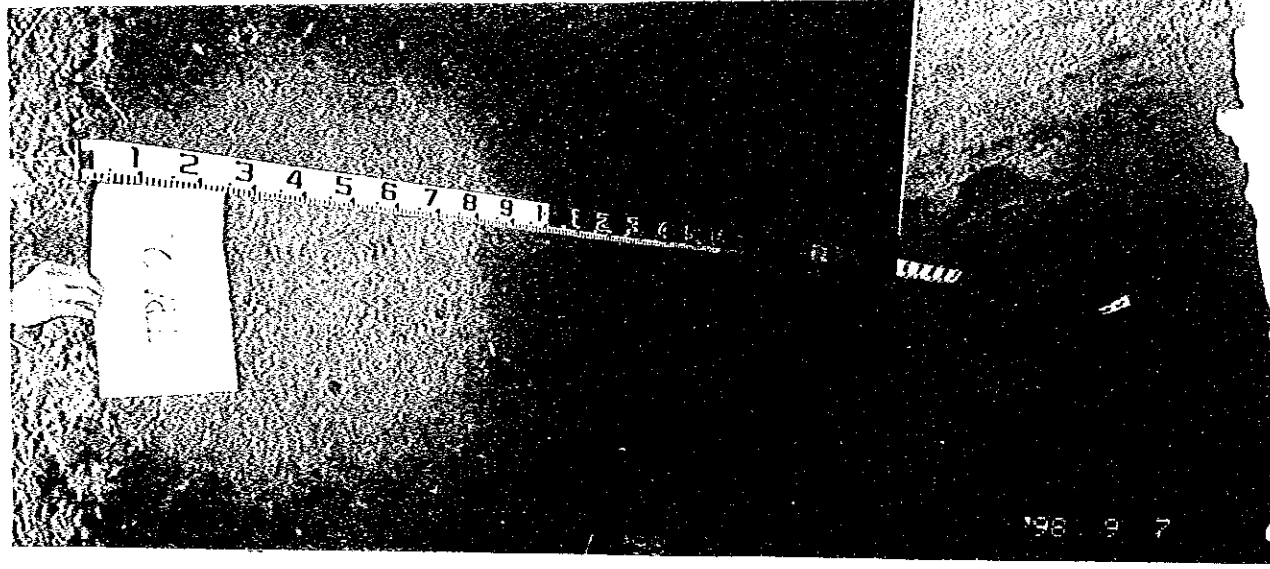


Photo 3.2.22 Test Pit No. TPA - 2 Photograph

Test Pit No. : TPA-3
Location : Borrow Area A
Ground Elevation : EL. 214.095 m
Total Depth : 5 m
Depth : 0 ~ 5 m

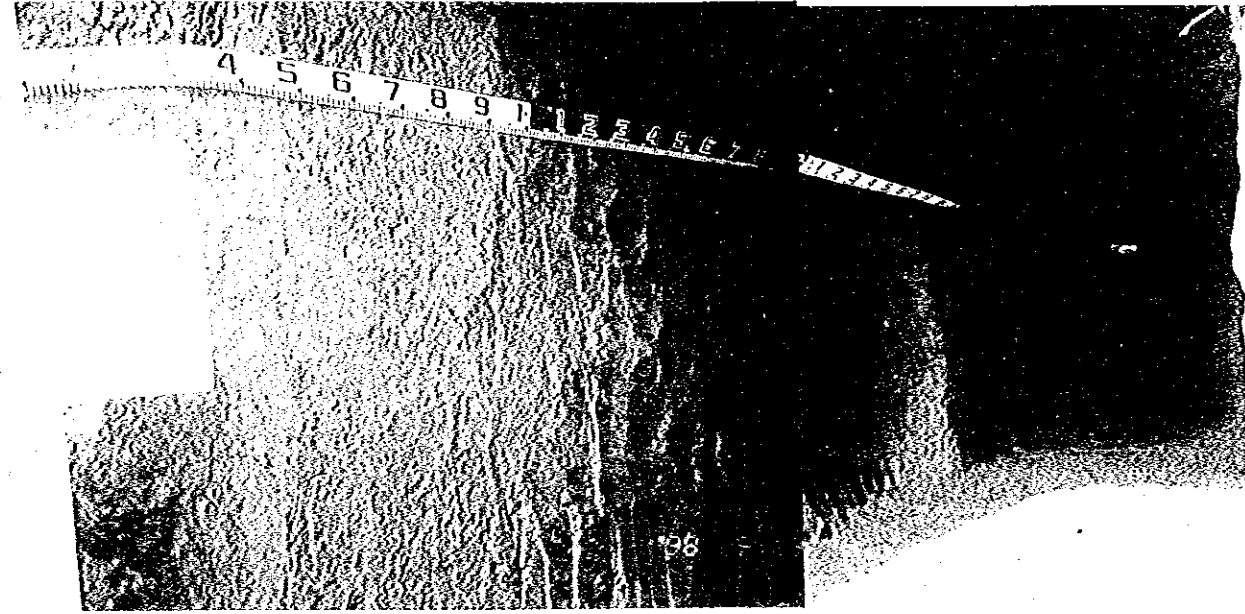


Photo 3.2.23 Test Pit No. TPA - 3 Photograph

Test Pit No. : TPA-4
Location : Borrow Area A
Ground Elevation : EL. 213.239 m
Total Depth : 4 m
Depth : 0 ~ 4 m

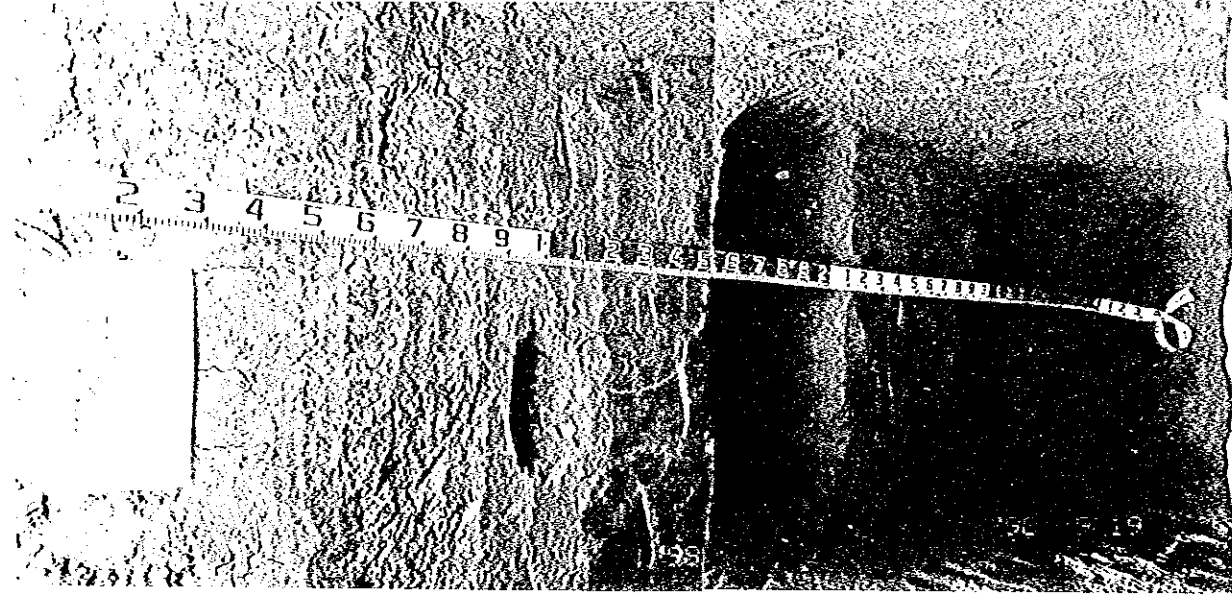


Photo 3.2.24 Test Pit No. TPA - 4 Photograph

Test Pit No. : TPB - 1
Location : Borrow Area A
Ground Elevation : EL. 190.46 m
Total Depth : 4.90 m
Depth : 0 ~ 4.90 m

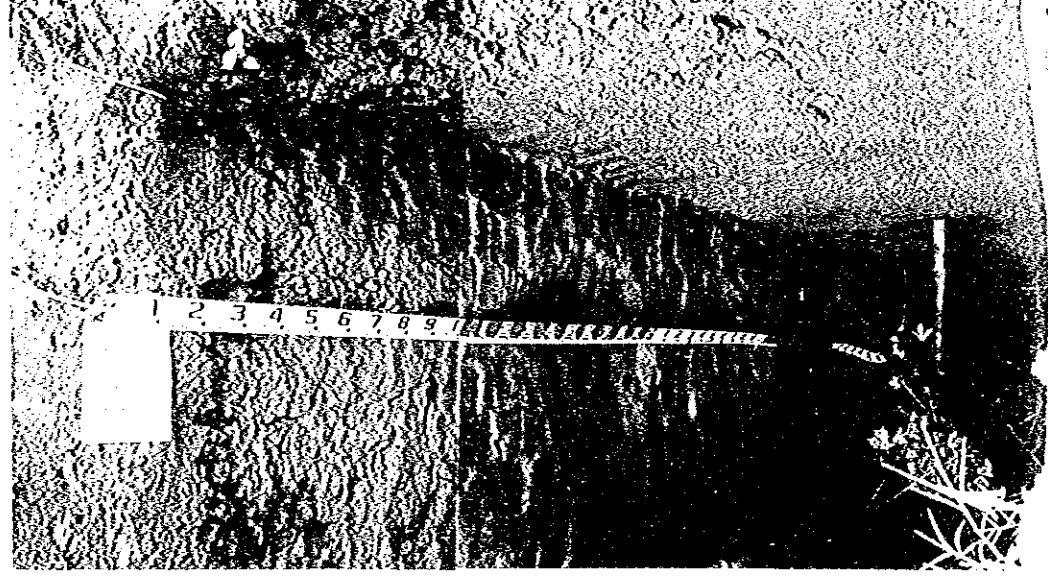


Photo 3.2.25 Test Pit No. TPB - 1 Photograph

Test Pit No. : TPB - 2
Location : Borrow Area A
Ground Elevation : EL. 187.15 m
Total Depth : 4.50 m
Depth : 0 ~ 4.50 m

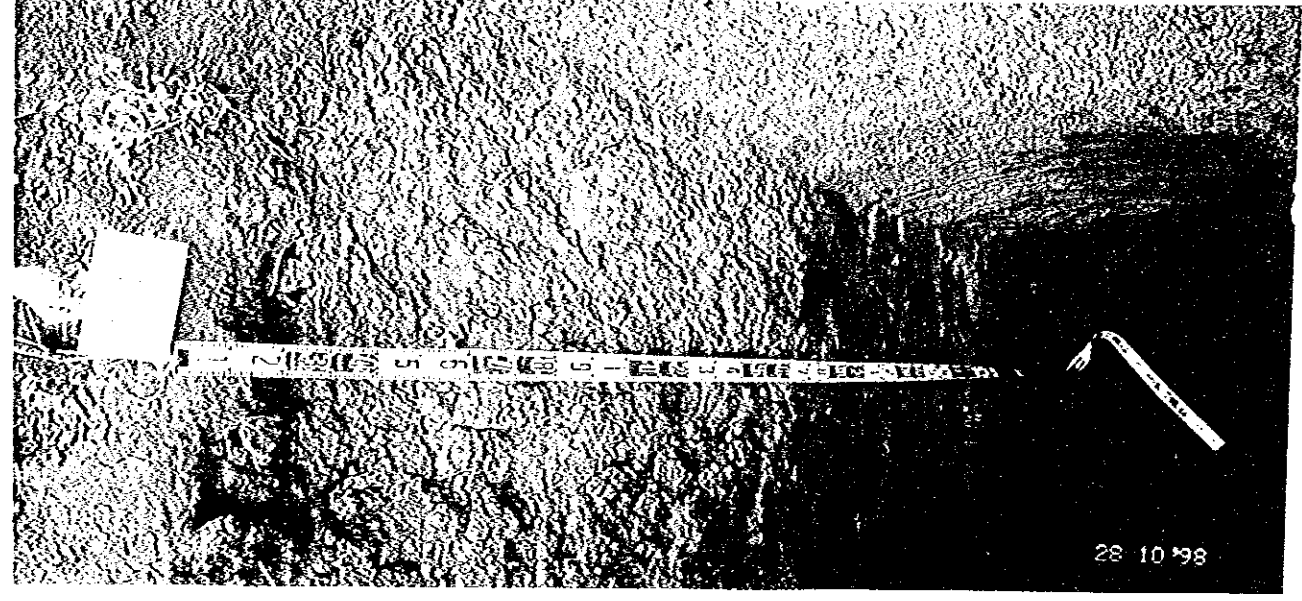


Photo 3.2.26 Test Pit No. TPB - 2 Photograph

Test Pit No. : TPB - 3
Location : Borrow Area A
Ground Elevation : EL. 183.00 m
Total Depth : 4.80 m
Depth : 0 ~ 4.80 m

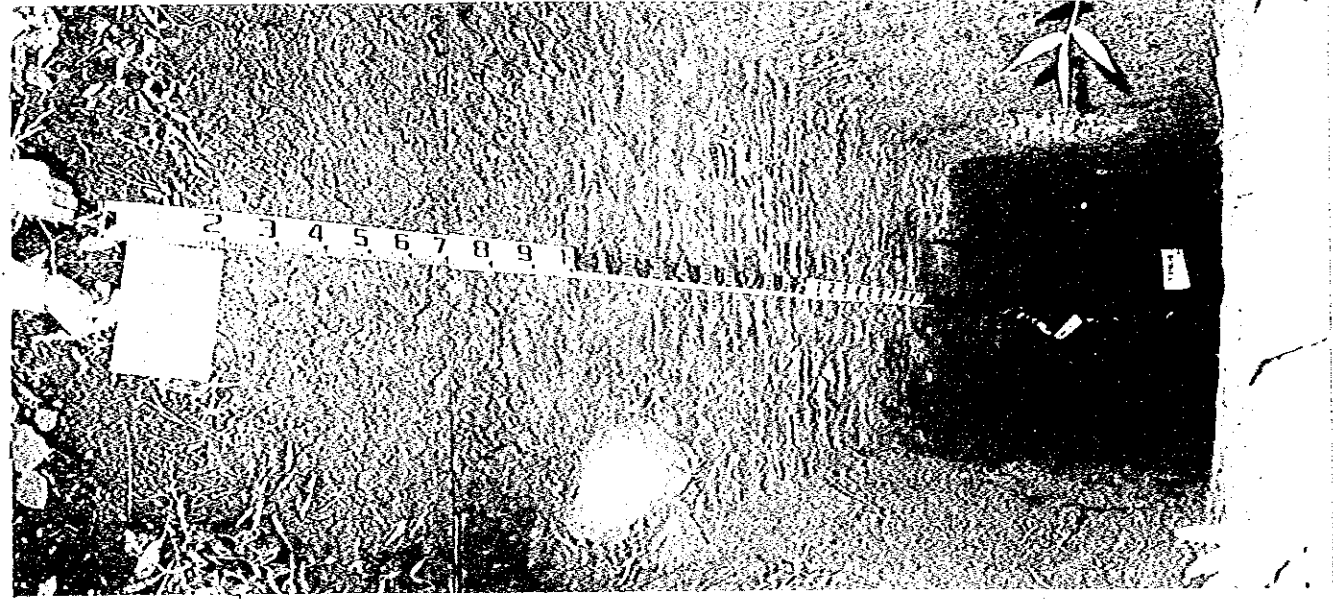


Photo 3.2.27 Test Pit No. TPB - 3 Photograph

Test Pit No. : TPB - 4
Location : Borrow Area A
Ground Elevation : EL. 178.71 m
Total Depth : 4.60 m
Depth : 0 ~ 2.80 m

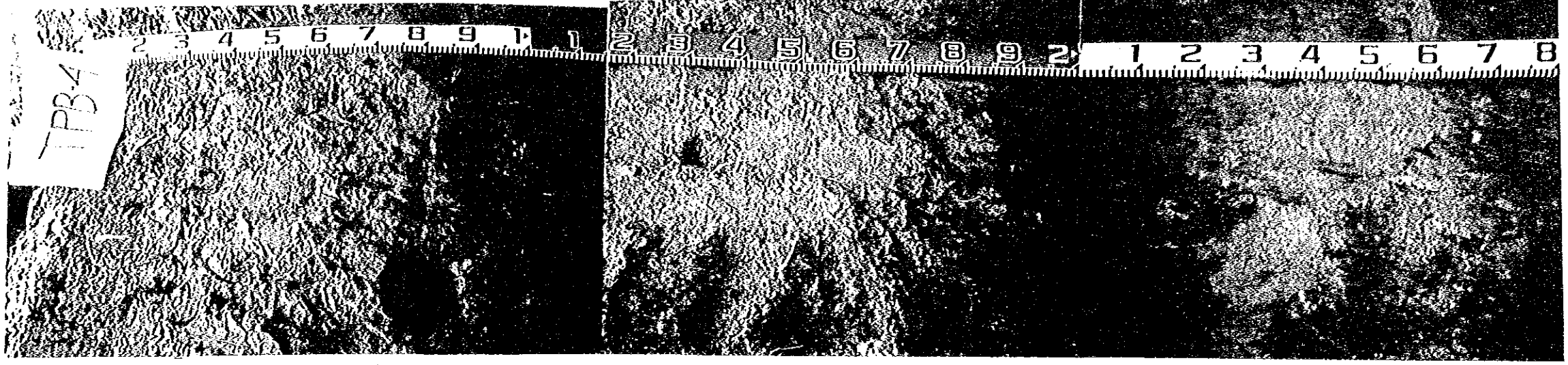


Photo 3.2.28 Test Pit No. TPB - 4 Photograph (1 of 2)

Test Pit No. : TPB - 4
 Location : Borrow Area A
 Ground Elevation : EL. 178.71 m
 Total Depth : 4.60 m
 Depth : 2.80 ~ 4.60 m

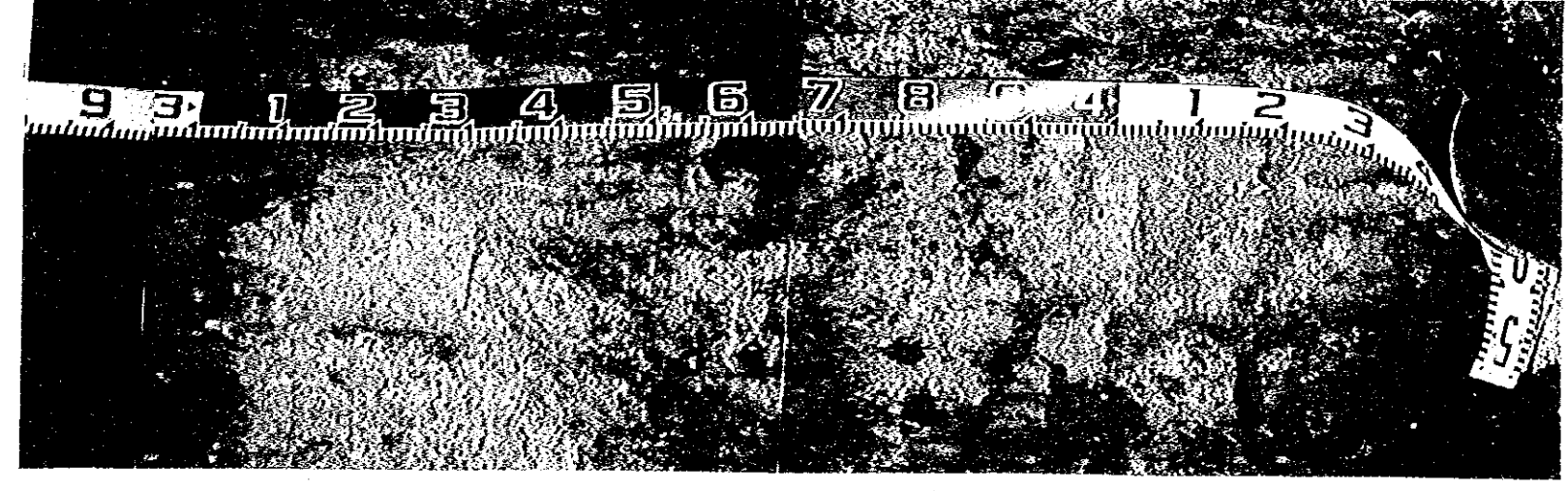


Photo 3.2.28 Test Pit No. TPB - 4 Photograph (2 of 2)

Test Pit No. : TPB - 5
 Location : Borrow Area A
 Ground Elevation : EL. 172.26 m
 Total Depth : 4.60 m
 Depth : 0 ~ 2.60 m

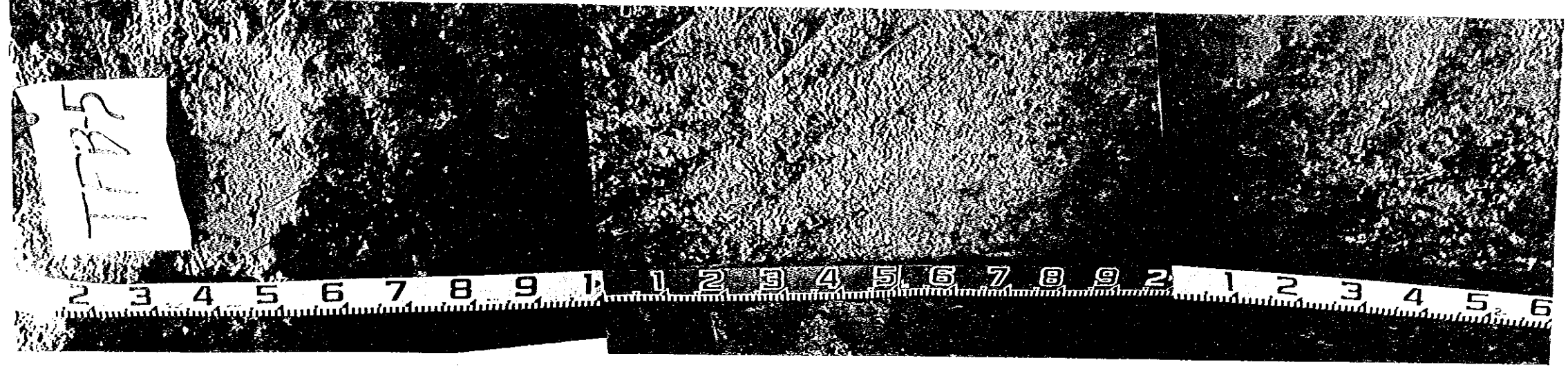


Photo 3.2.29 Test Pit No. TPB - 5 Photograph (1 of 2)

Test Pit No. : TPB - 5
 Location : Borrow Area A
 Ground Elevation : EL. 172.26 m
 Total Depth : 4.60 m
 Depth : 2.60 ~ 4.60 m

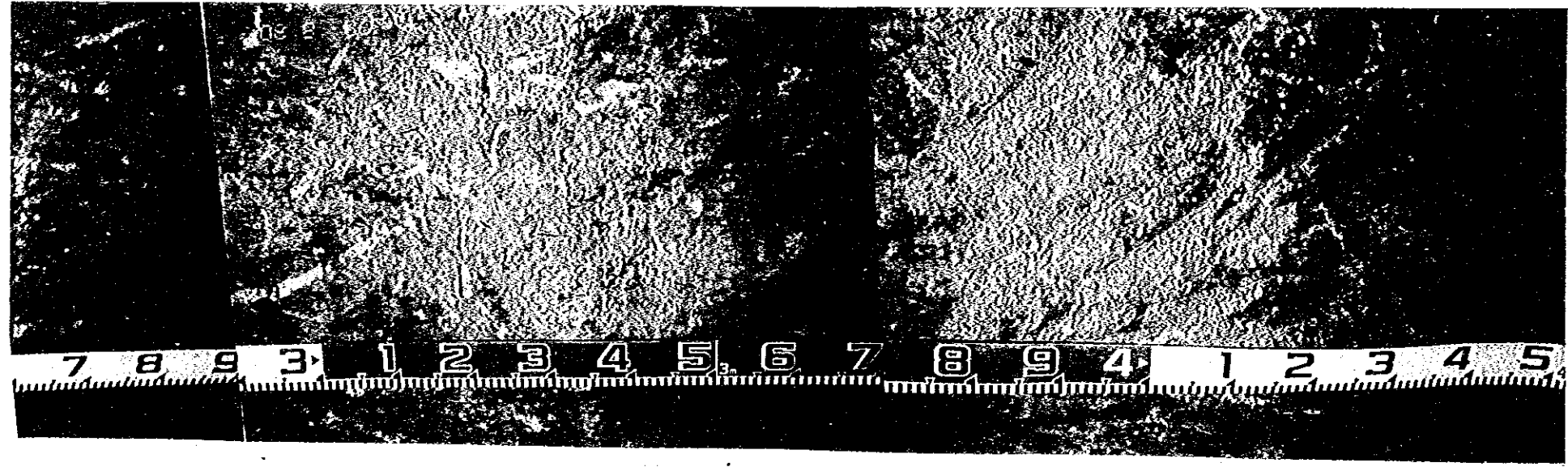


Photo 3.2.29 Test Pit No. TPB - 5 Photograph (2 of 2)

Test Pit No. : TPB - 6
 Location : Borrow Area A
 Ground Elevation : EL. 181.08 m
 Total Depth : 5.00 m
 Depth : 0 ~ 5.00 m

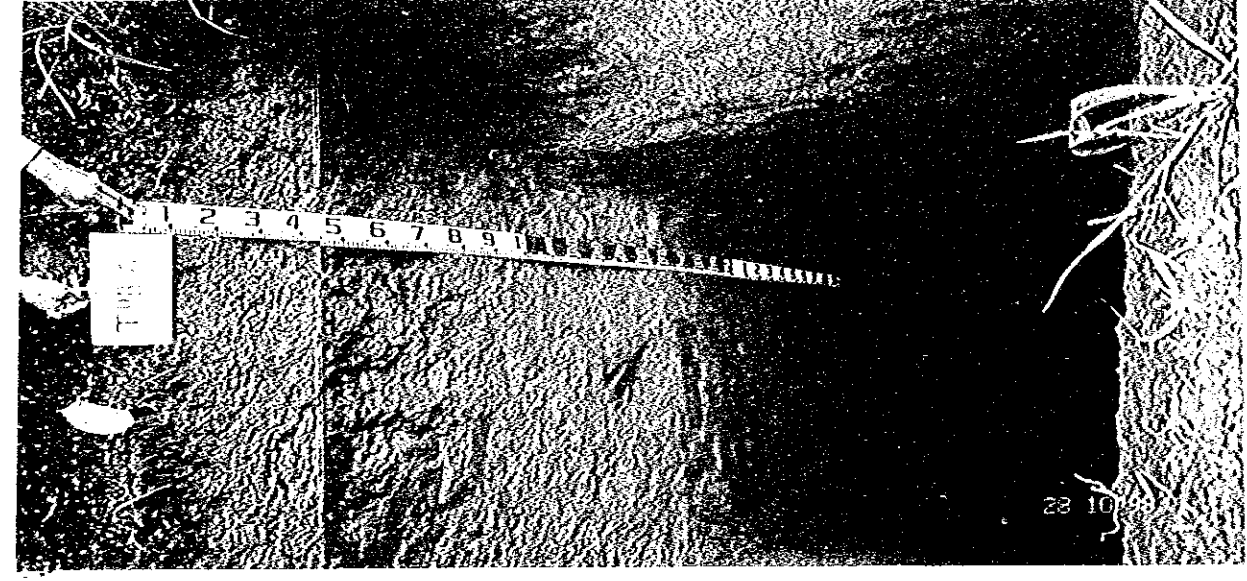


Photo 3.2.30 Test Pit No. TPB - 6 Photograph

Test Pit No. : TPD - 2
Location : Borrow Area A
Ground Elevation : EL. 139.759 m
Total Depth : 4.90 m
Depth : 0 ~ 4.90 m

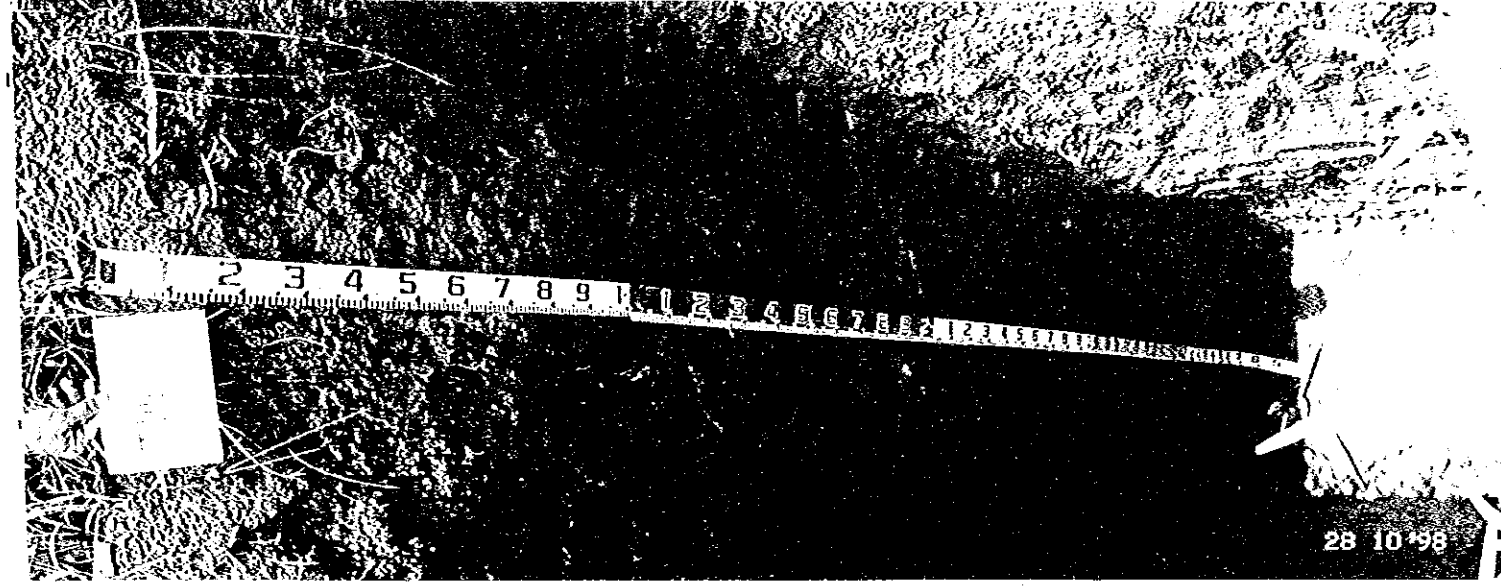


Photo 3.2.32 Test Pit No. TPD - 2 Photograph

Test Pit No. : TPD - 1
Location : Borrow Area A
Ground Elevation : EL. 150.131 m
Total Depth : 4.80 m
Depth : 0 ~ 4.80 m

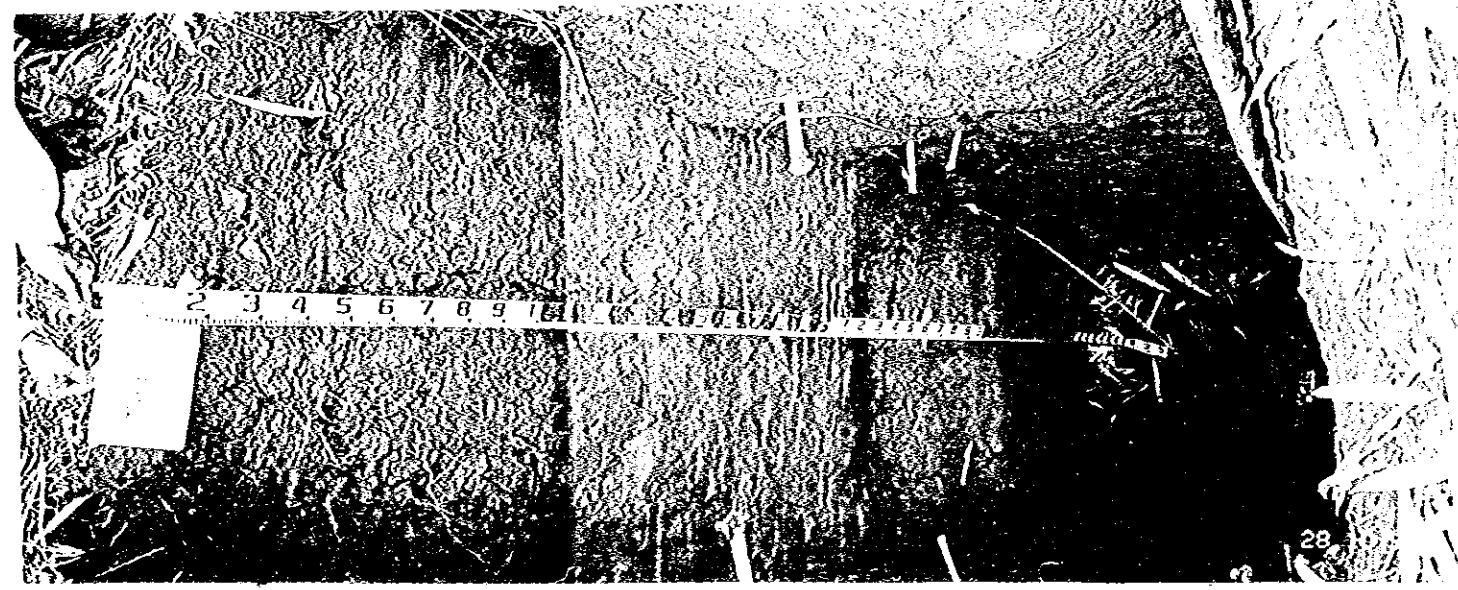


Photo 3.2.31 Test Pit No. TPD - 1 Photograph

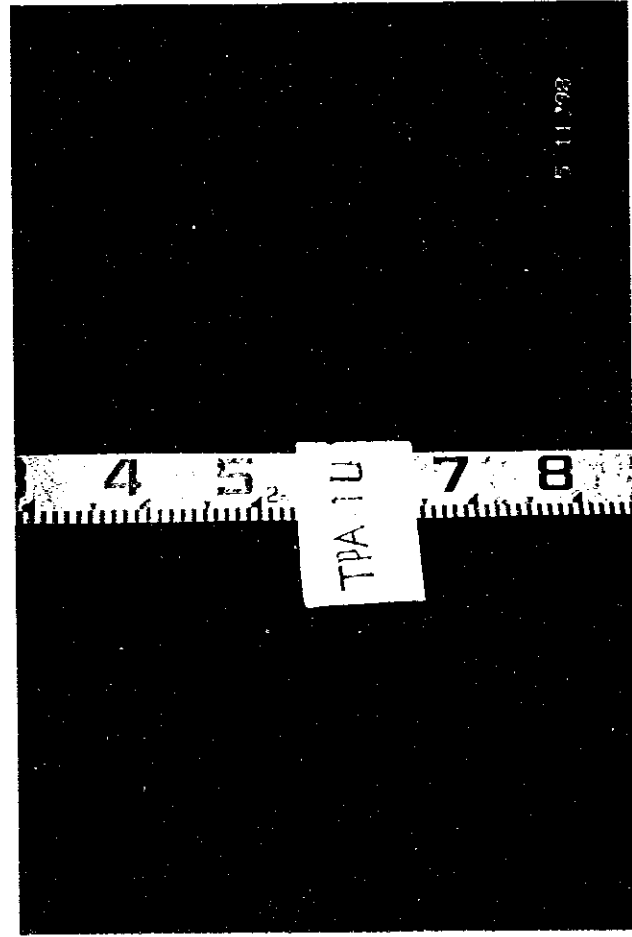


Photo 3.2.33 Depth Sampling TPA - 1 U Photograph

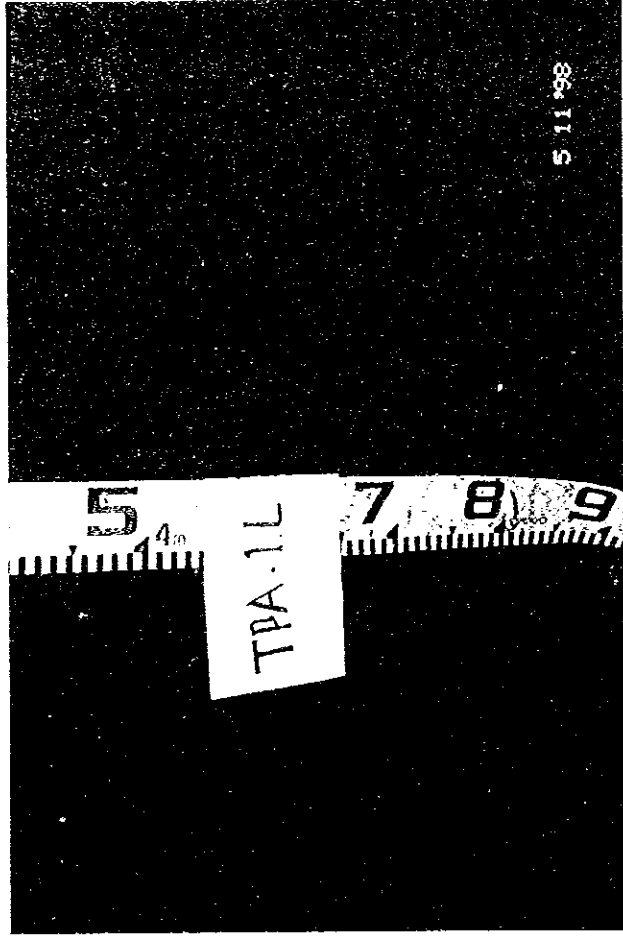


Photo 3.2.34 Depth Sampling TPA - 1 L Photograph

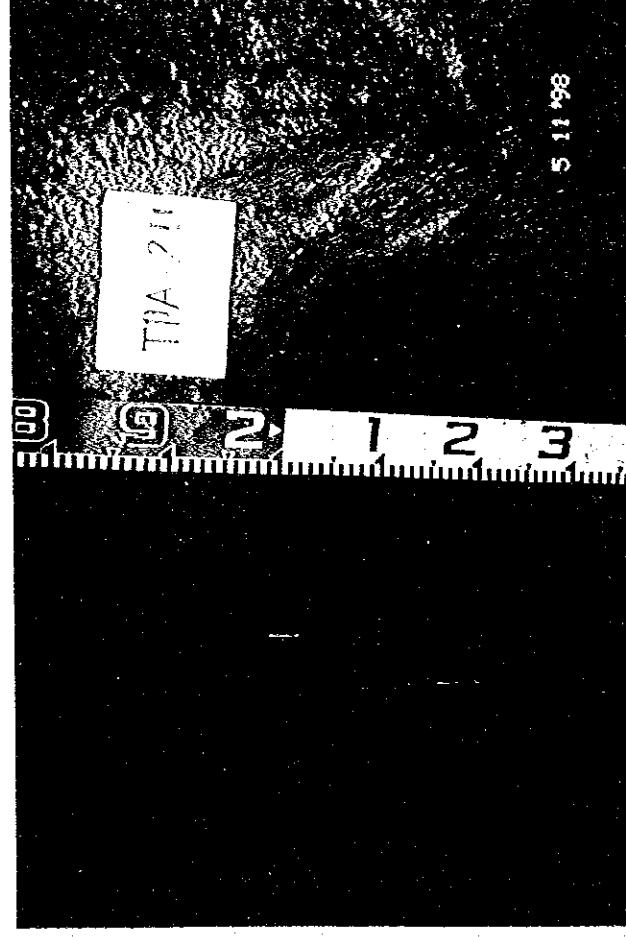


Photo 3.2.35 Depth Sampling TPA - 2 U Photograph

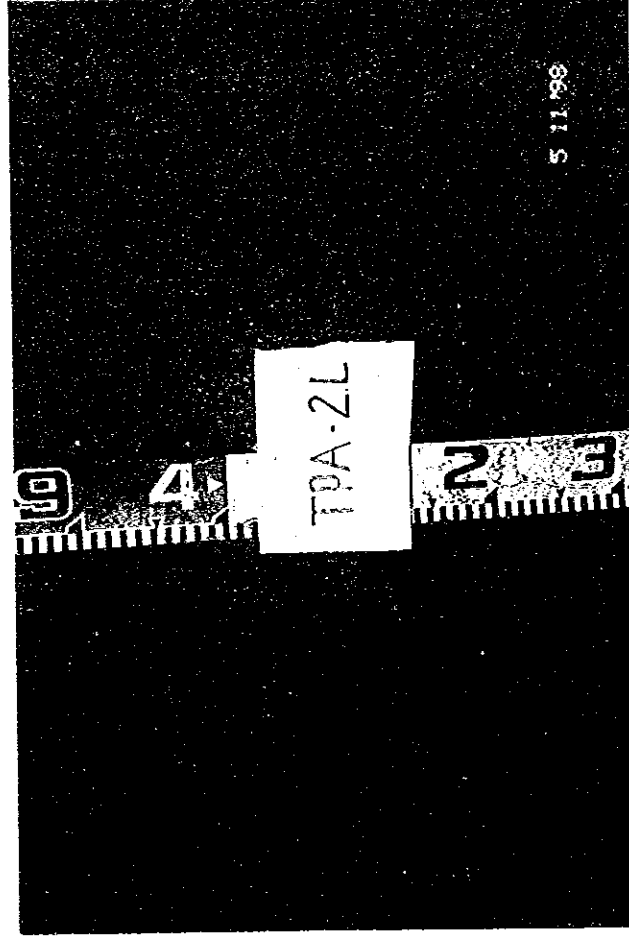


Photo 3.2.36 Depth Sampling TPA - 2 L Photograph

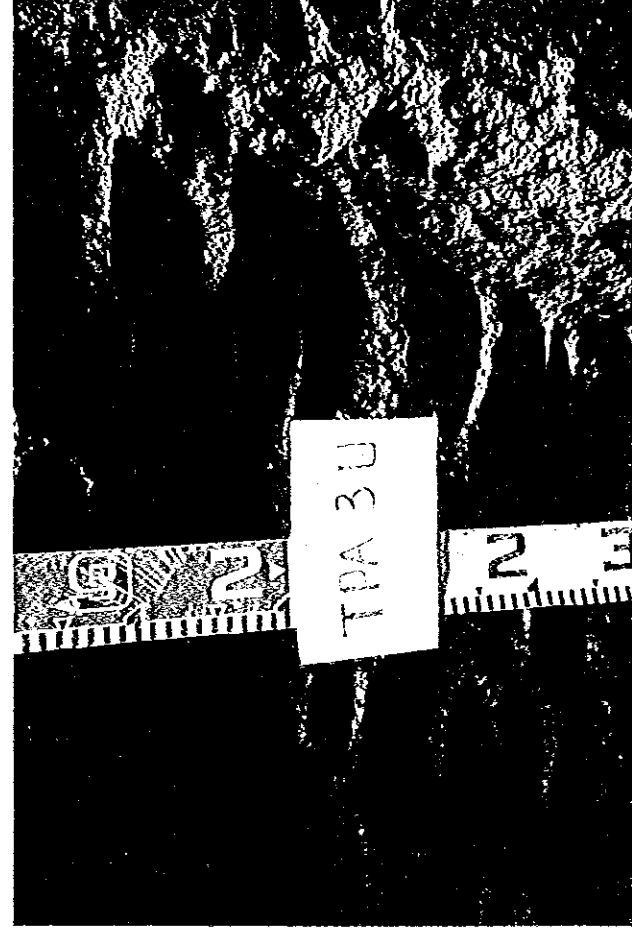


Photo 3.2.37 Depth Sampling TPA - 3 U Photograph

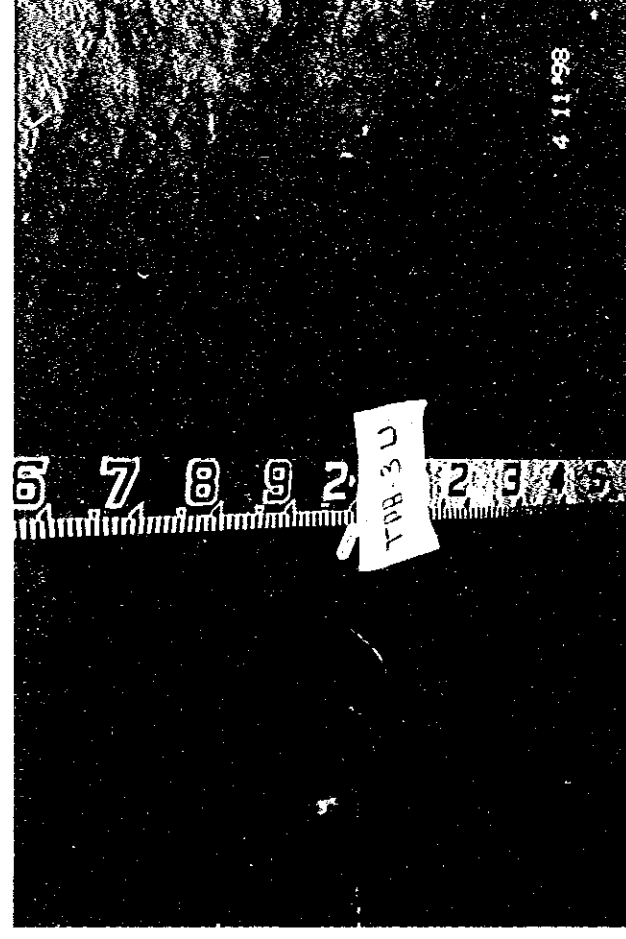


Photo 3.2.38 Depth Sampling TPB - 3 U Photograph

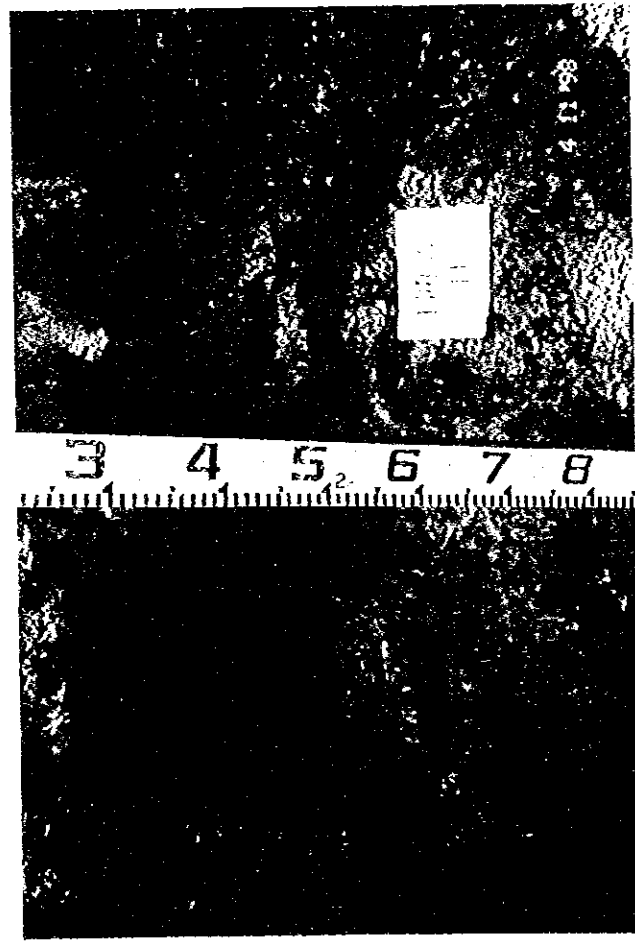


Photo 3.2.39 Depth Sampling TPB - 4 U Photograph



Photo 3.2.40 Depth Sampling TPB - 5 U Photograph



Photo 3.2.41 Depth Sampling TPB - 6 U Photograph



Photo 3.2.42 Depth Sampling TPB - 6 L Photograph

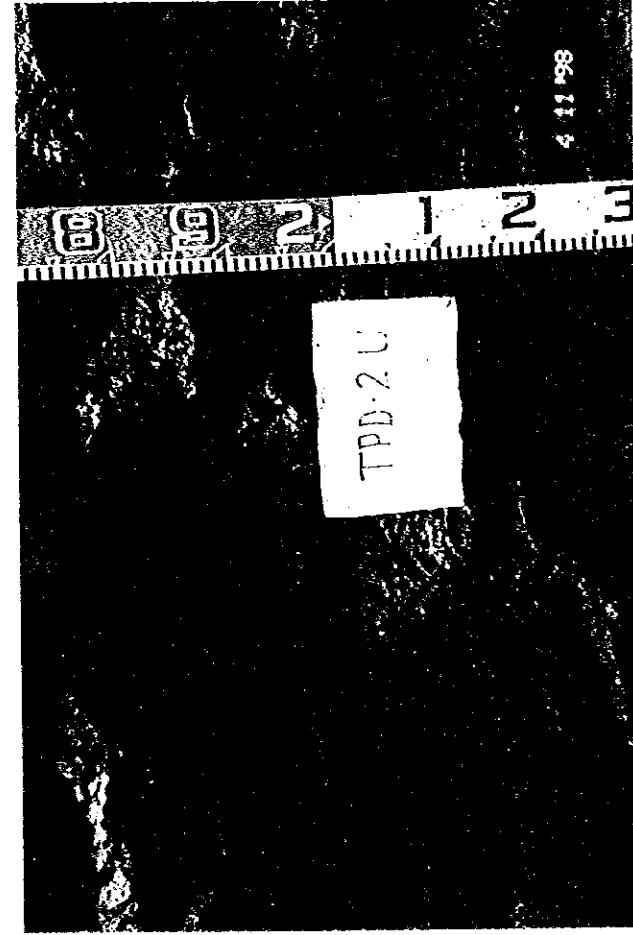


Photo 3.2.43 Depth Sampling TPD - 2 U Photograph

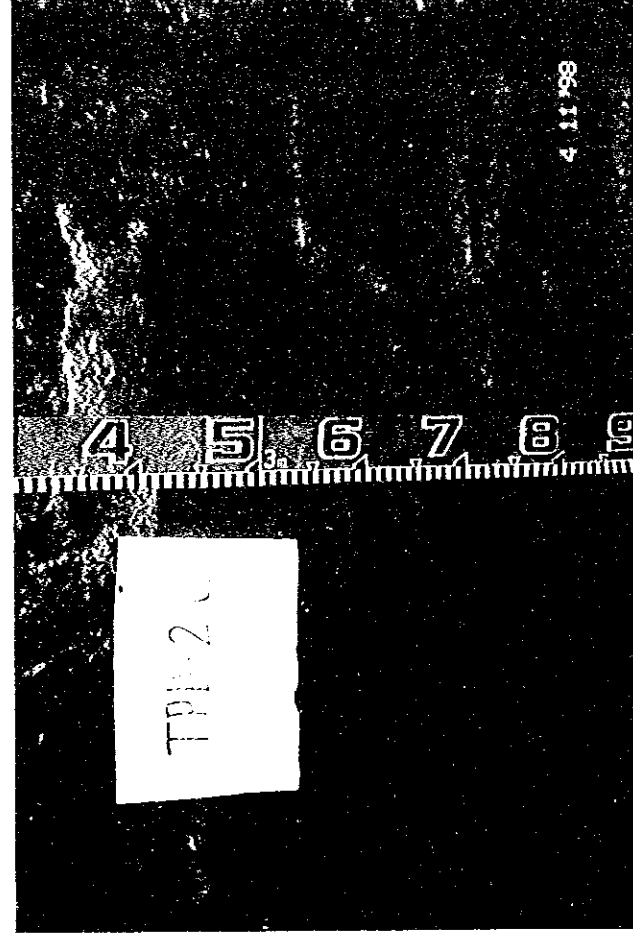


Photo 3.2.44 Depth Sampling TPD - 2 L Photograph

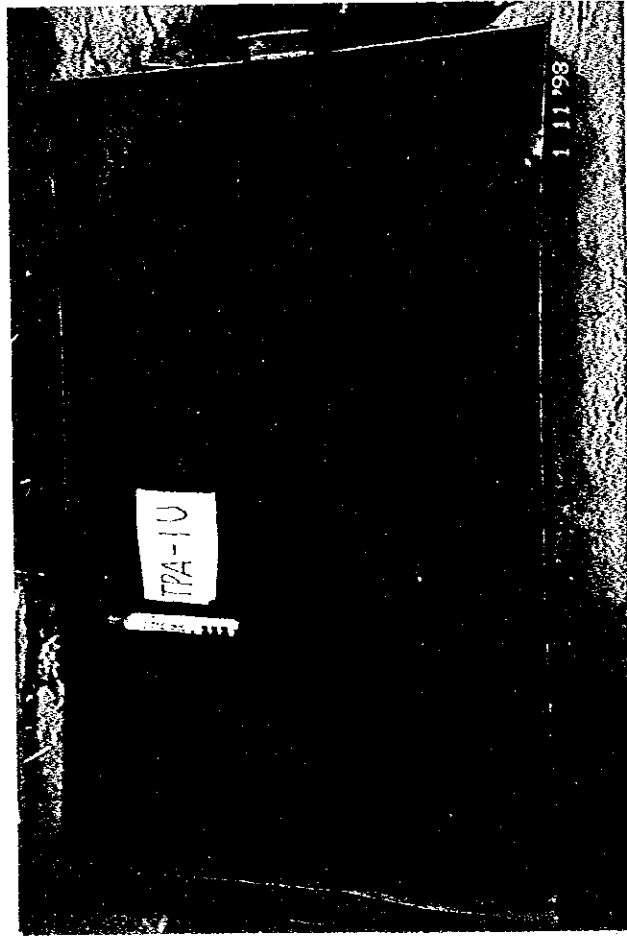


Photo 3.2.45 Photograph of Selected Fine Materials for Laboratory Testing taken from TPA - 1U, depth 2.50 m

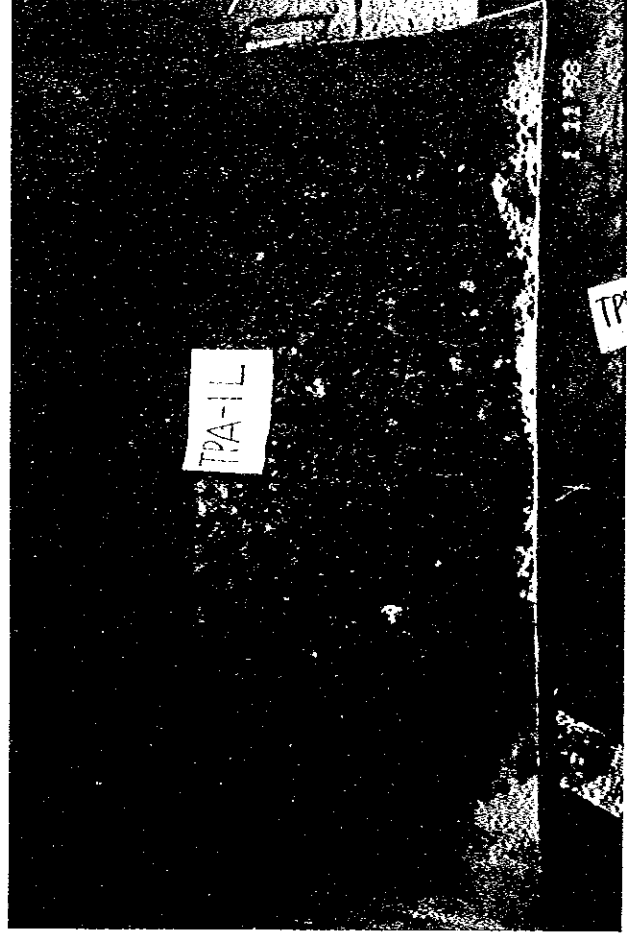


Photo 3.2.46 Photograph of Selected Fine Materials for Laboratory Testing taken from TPA - 1L, depth 4.50 m

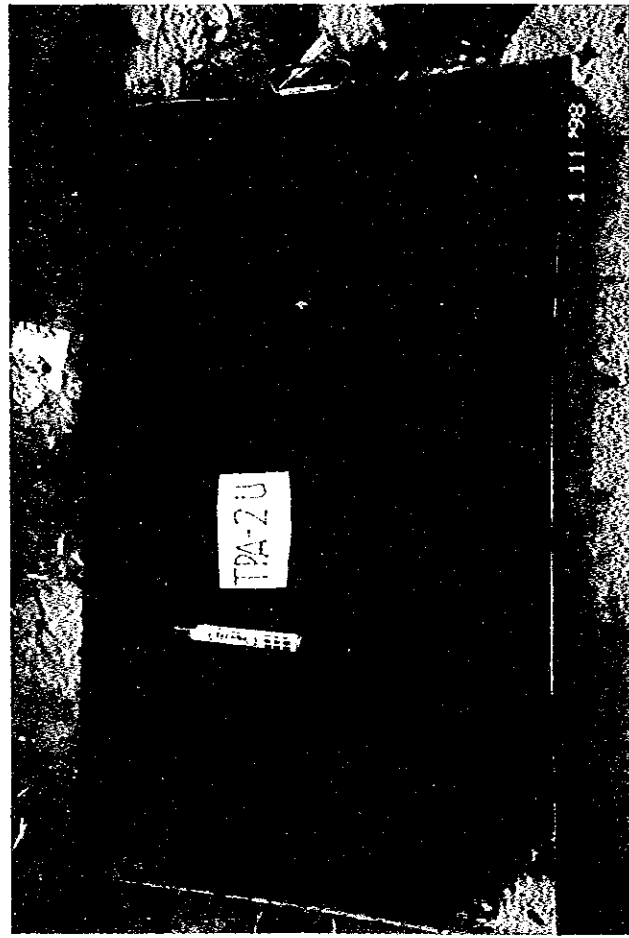


Photo 3.2.47 Photograph of Selected Fine Materials for Laboratory Testing taken from TPA - 2U, depth 2.00 m

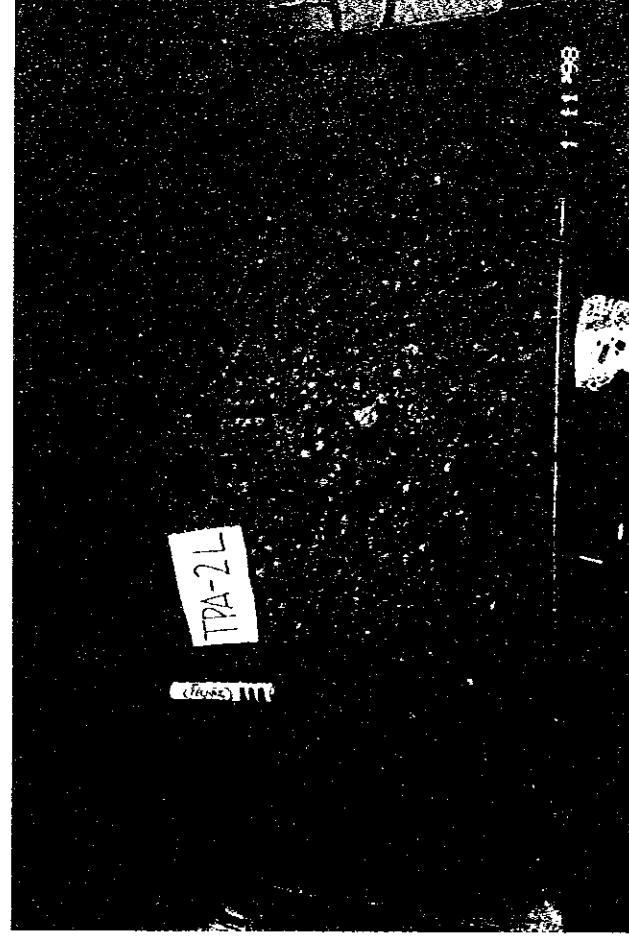


Photo 3.2.48 Photograph of Selected Fine Materials for Laboratory Testing taken from TPA - 2L, depth 4.00 m

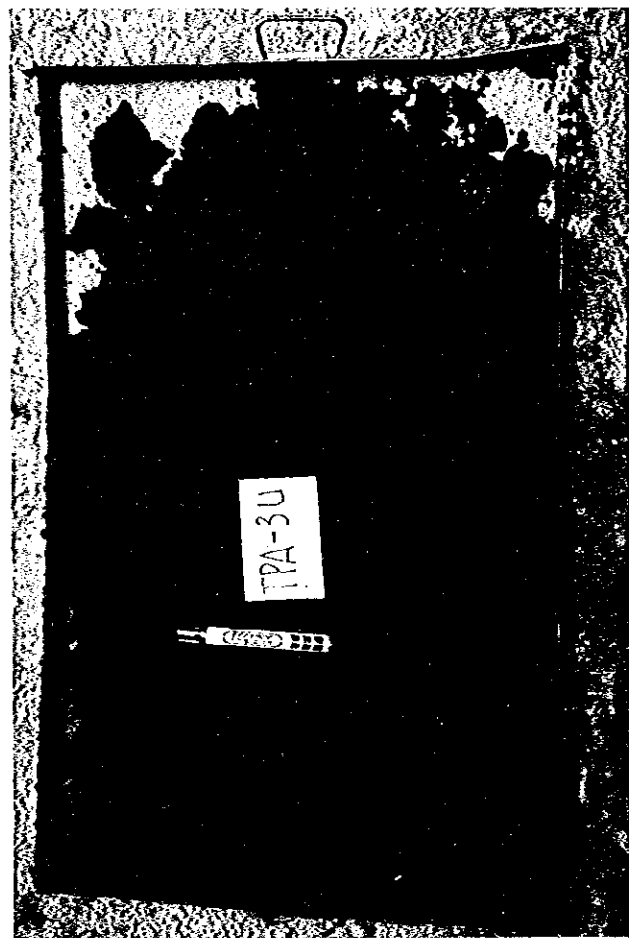


Photo 3.2.49 Photograph of Selected Fine Materials for Laboratory Testing taken from TPA - 3U, depth 2.00 m

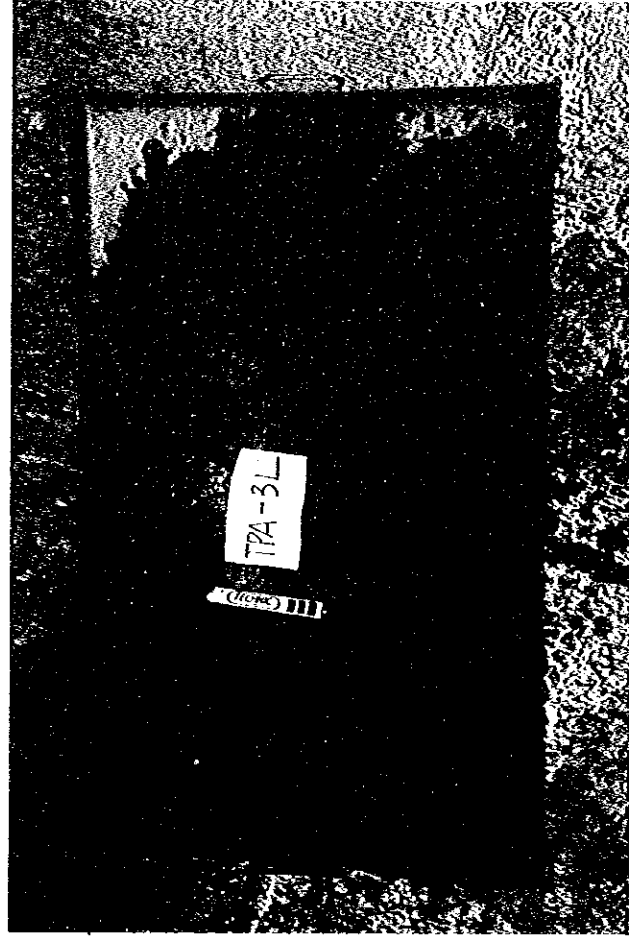


Photo 3.2.50 Photograph of Selected Fine Materials for Laboratory Testing taken from TPA - 3L, depth 4.00 m