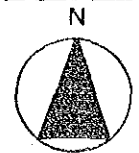


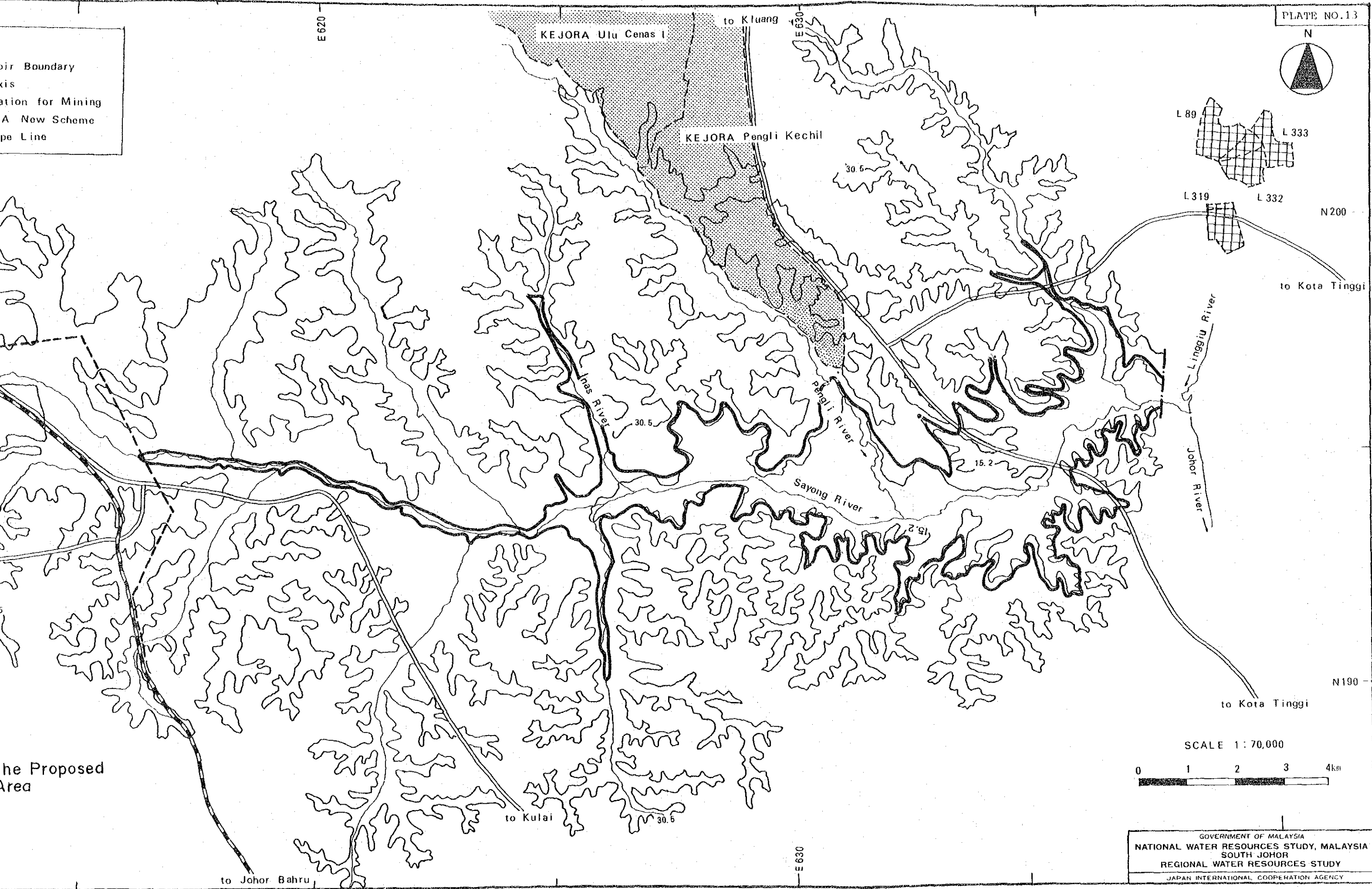
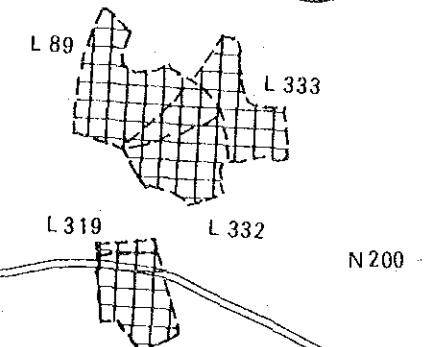
LEGEND

- Reservoir Boundary
- - - Dam Axis
- ▨ Application for Mining
- ▩ KEJORA New Scheme
- - - Gas Pipe Line

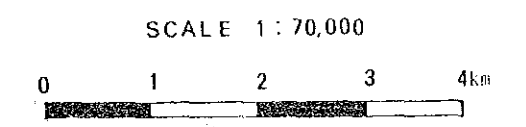
Land Use Plan in the Proposed Sayong Reservoir Area



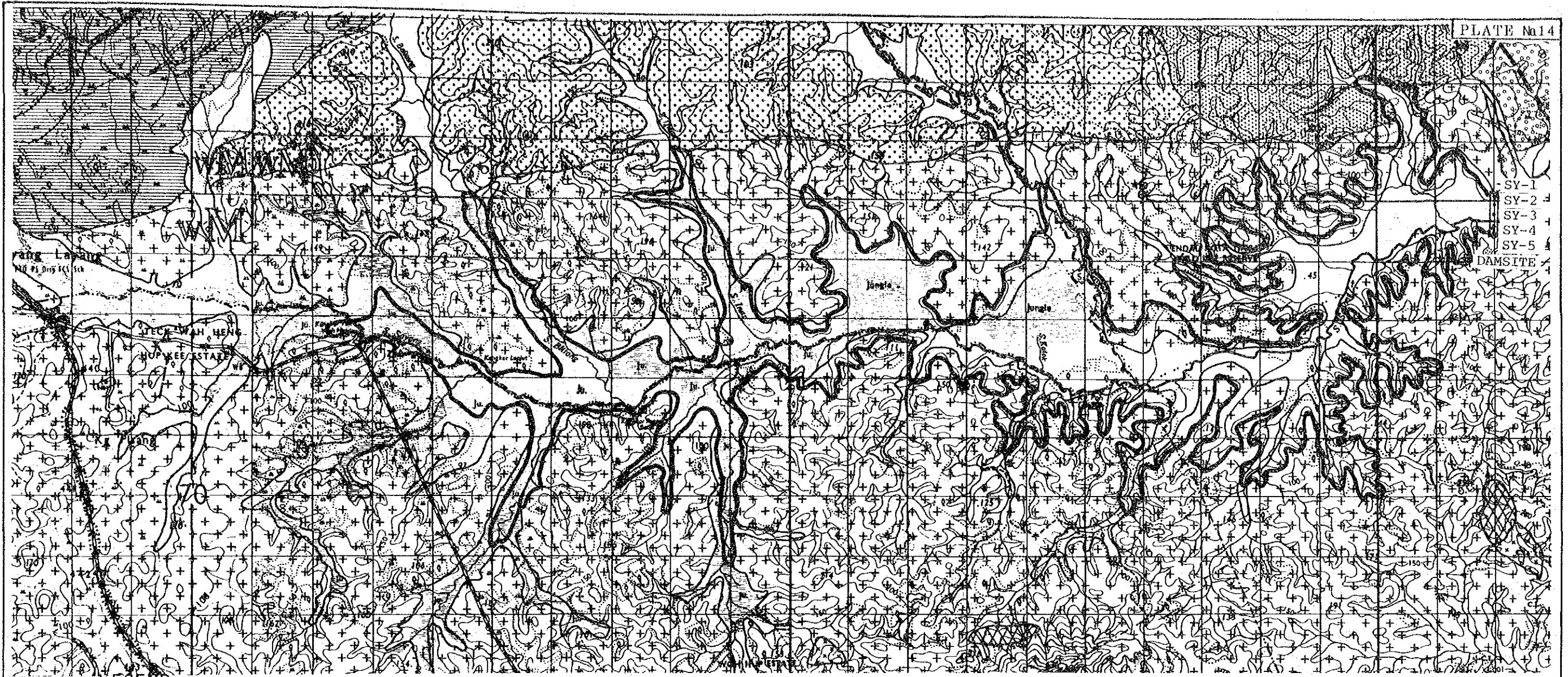
Boundary
is
ation for Mining
A New Scheme
pe Line



he Proposed
Area



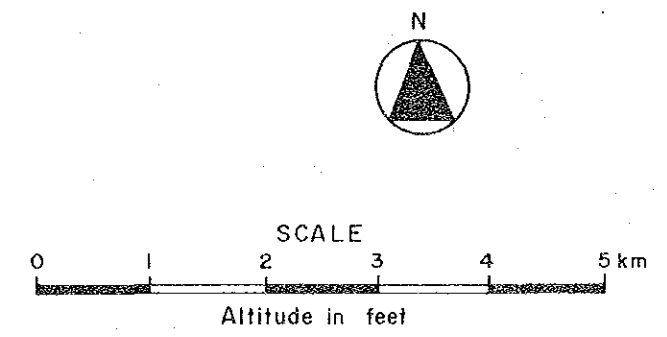
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LEGEND

GEOLOGIC AGE	FORMATION	SYMBOL	DESCRIPTION & LITHOLOGY
HOLLOCENE	ALLUVIUM		River and swamp alluvium. Mainly sand, silt and clay
PLEISTOCENE	TERRACE DEPOSITS		Mainly sand, silt with some gravel.
PLEISTOCENE (?)	LAYANG LAYANG FORMATION		Pengel: Sand member: quartz-feldspatic sand, sandy clay.
PLIOCENE	LAYANG LAYANG FORMATION		Badak Shale member; soft shale, sandy clay, clay loam.
LOWER CRETACEOUS	TEBAK FORMATION		Massive cross-bedded sandstone with intercalations of mudstone and grit.
LOWER TRIASSIC	GRANITE		Hornblende bearing adamellite; a coarse-grained rock.

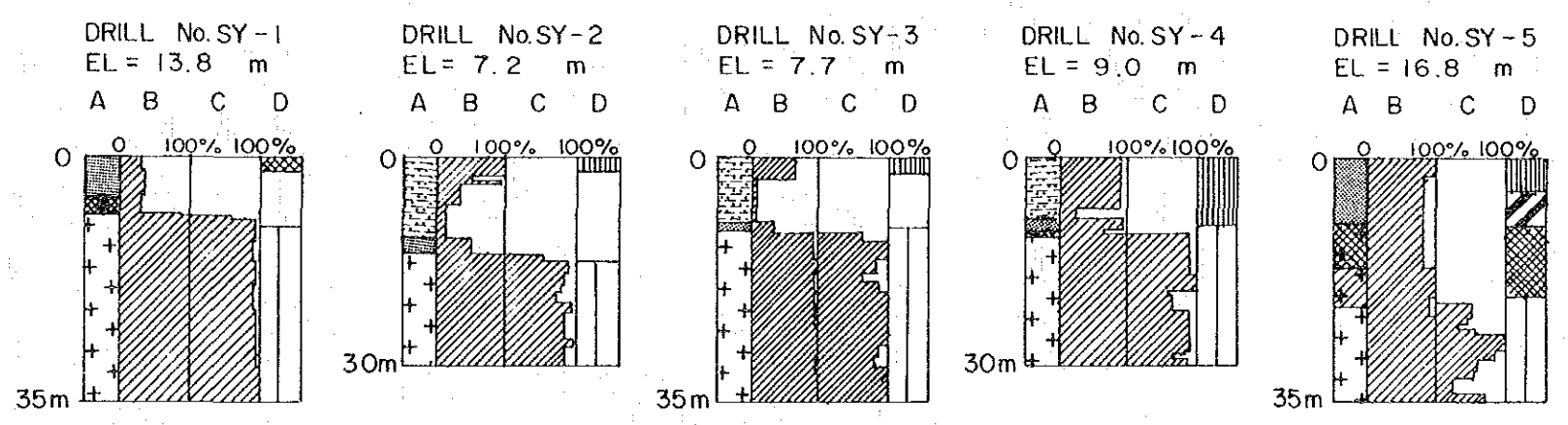
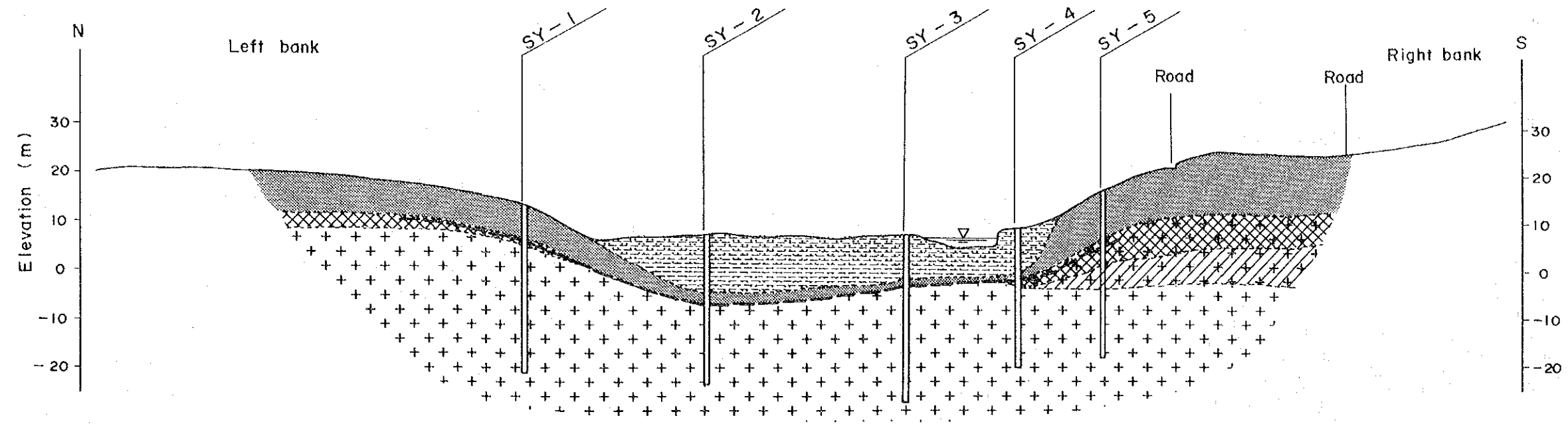
	Boundary of Formation
	Fault
	Inferred Fault
	Strike and dip of Bedding
	Strike and dip of Joint
	Drilling Hole
	Reservoir Area



	Microadamellite, fine-grained adamellite and microgranite: minor very fine-grained counterparts of the coarser grained granitic components of the batholith.
	Diorite and monzonite: possibly granitized gabbro.

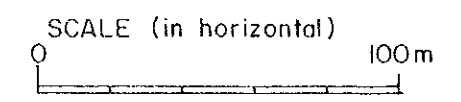
Geological Map of the Proposed Sayong Reservoir Area
 (After the geological map prepared by G.S.D)

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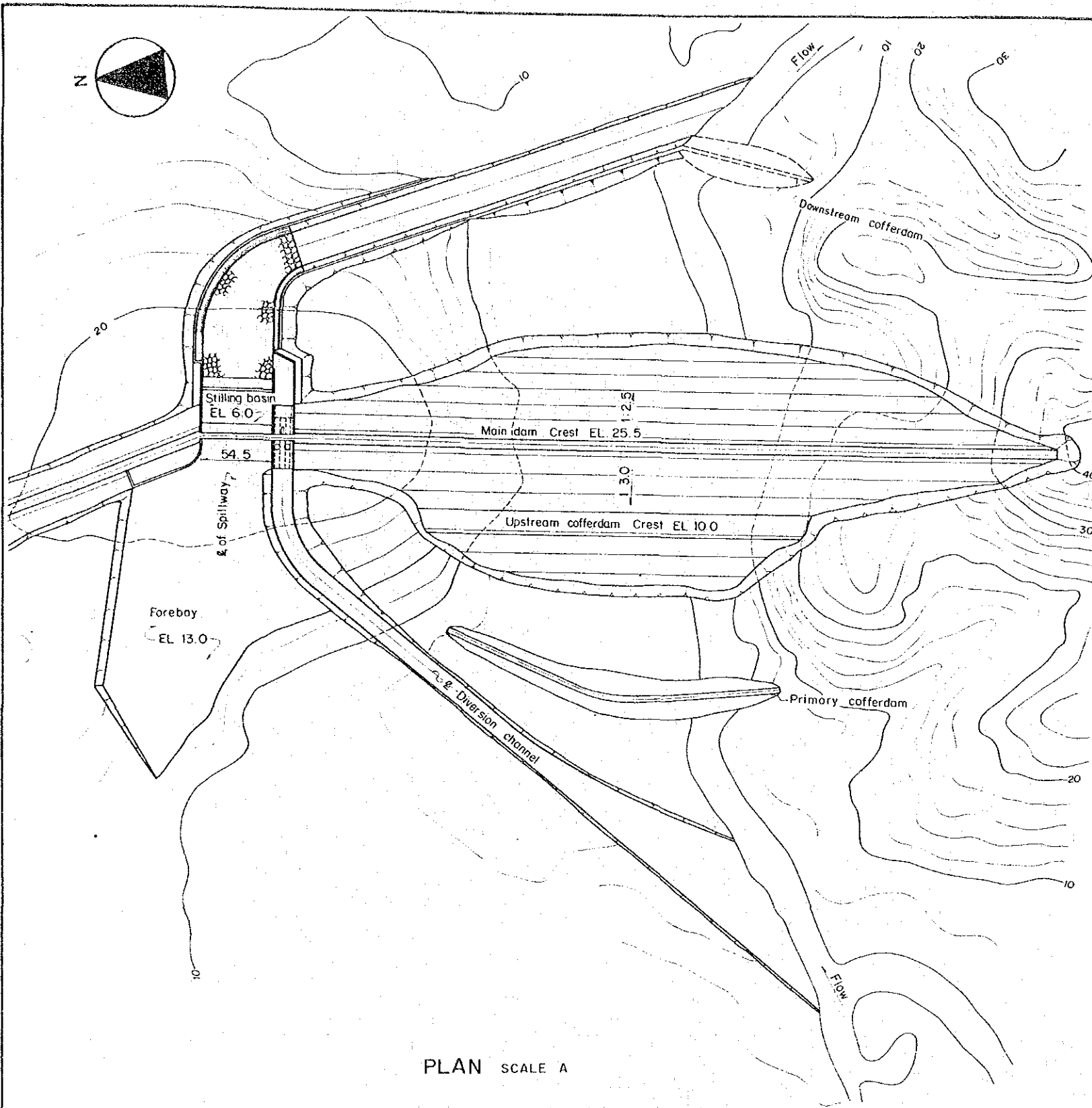


LEGEND

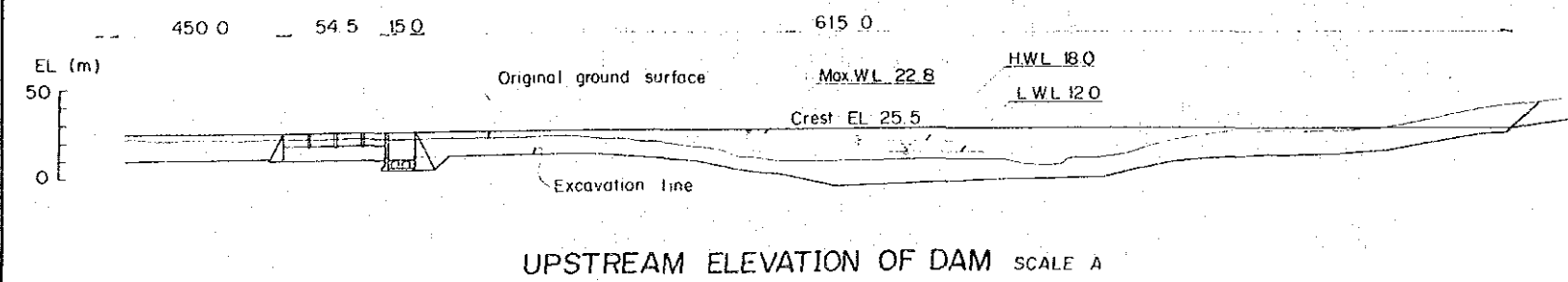
- A: Geology from the surface investigation and drilling
 - Alluvial deposits (sand, silt and clay)
 - Top soil and residual soil with quartz grain
 - Completely or heavy weathered granite (D in rock-grade classification)
 - Moderately weathered granite (CM to CL in rock-grade classification)
 - Fresh granite (B to CH in rock-grade classification)
- Geologic boundary
- Excavation line for Earth fill type dam
- B: Core Recovery (%)
- C: Rock Quality Designation (%)
- D: Permeability in Lugeon Unit (Lu)
 - Lu ≤ 5
 - 5 < Lu ≤ 20
 - 20 < Lu ≤ 40
 - 40 < Lu ≤ 100
 - 100 < Lu



Geologic Profile of the Proposed Sayong Damsite

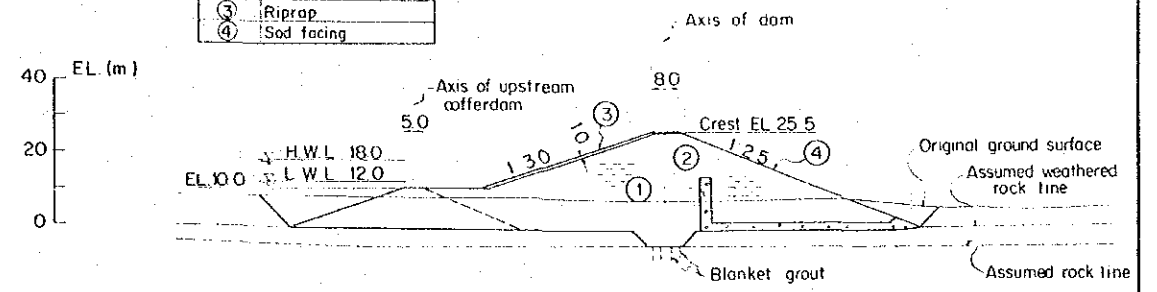


PLAN SCALE A

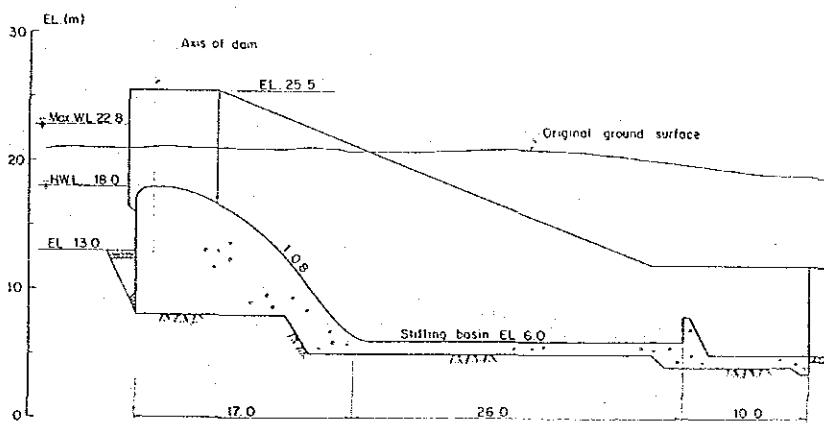


UPSTREAM ELEVATION OF DAM SCALE A

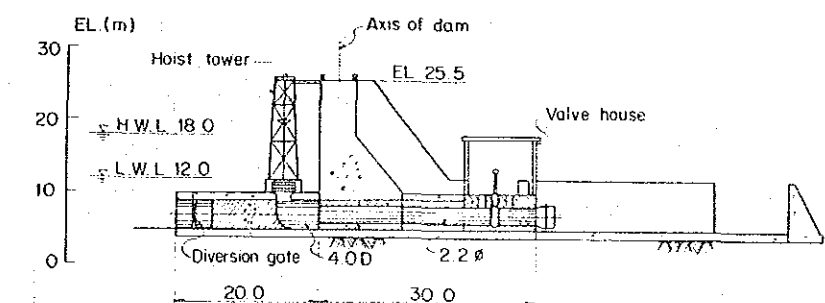
Zone	Material
①	Earthfill material
②	Interceptor drain
③	Riprap
④	Sod facing



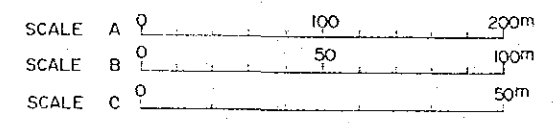
TYPICAL SECTION OF DAM SCALE B



PROFILE OF SPILLWAY SCALE C

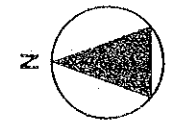


PROFILE OF DIVERSION AND RIVER OUTLET SCALE C



Sayong Dam Scheme

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E 645

E 645

N 195

N 190

Telor Damsite

15.2

101 RIVER

22.9

22.9

30.5

30.5

30.5

FELDA (Ulu Tebrau)

E 640

N 195

N 190

Present Land Use in the Proposed Telor Reservoir Area

LEGEND

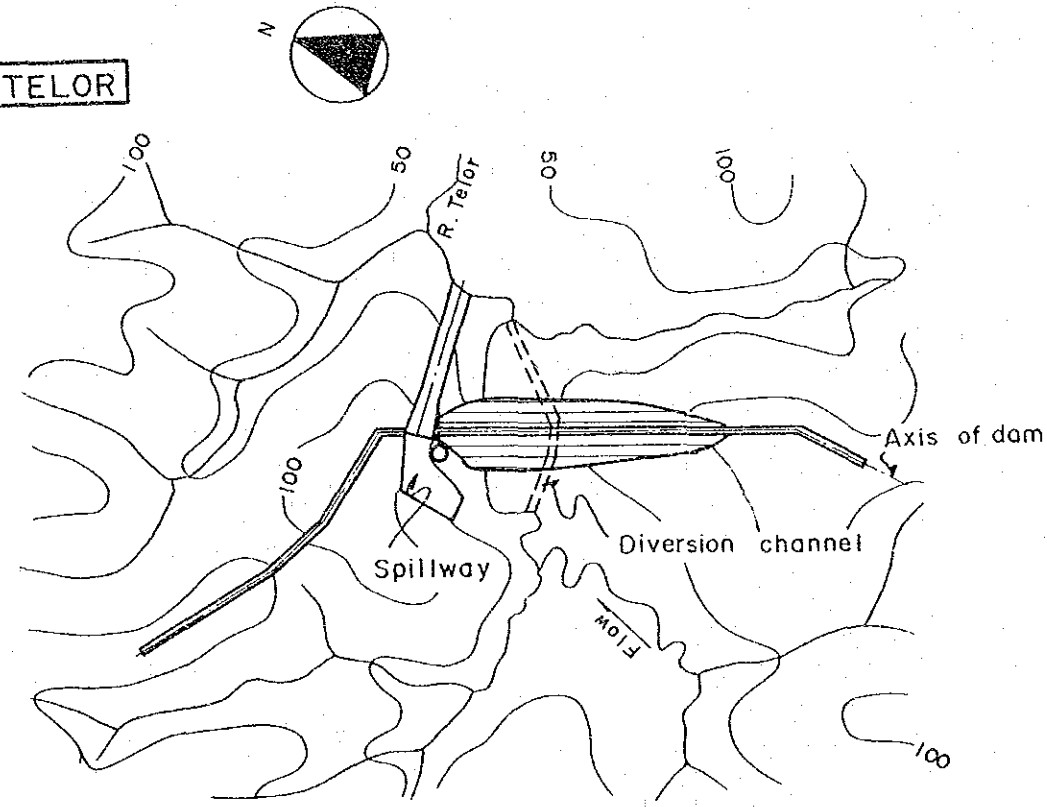
- : Reservoir Boundary
- - - : Dam Axis
- ~ : River
- - - : FELDA Boundary
- [Dotted pattern] : Oil Palm
- [Cross-hatch pattern] : Sugarcane
- [Horizontal lines pattern] : Grass Land
- [Blank] : Forest

SCALE 1 : 30,000

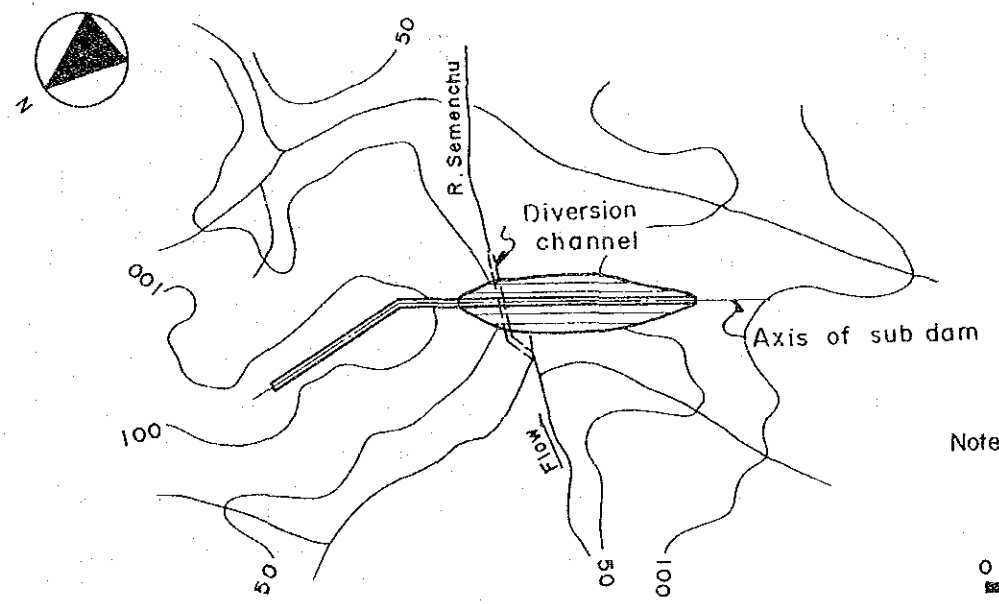
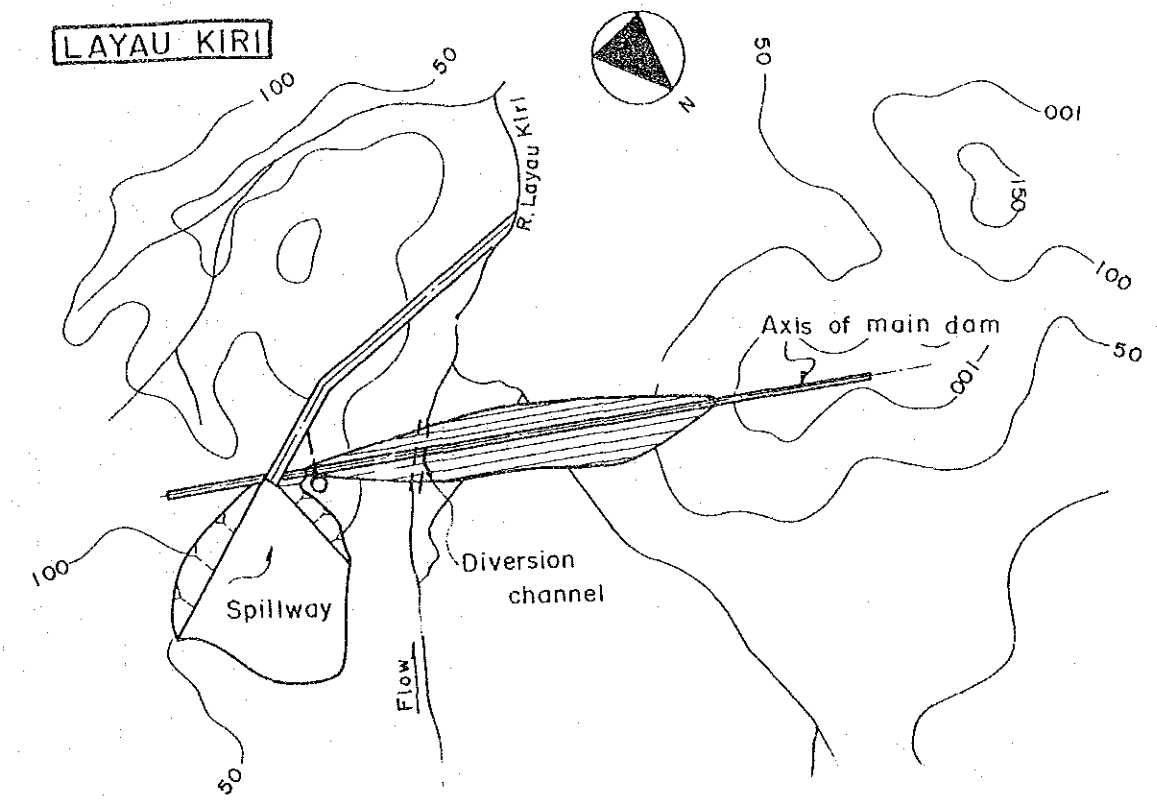


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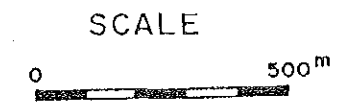
TELOR



LAYAU KIRI

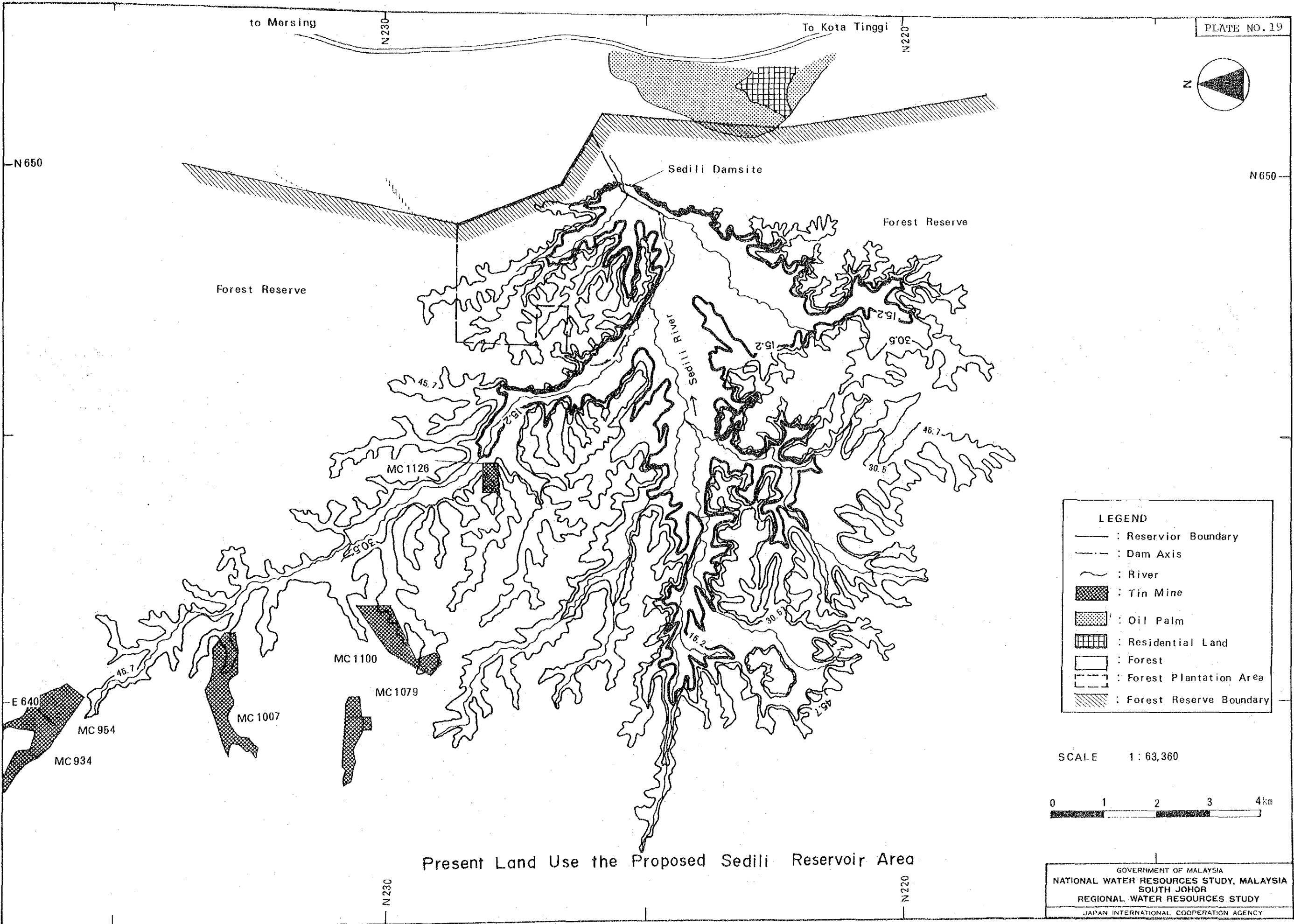


Note: Elevation is shown in feet.



General Layout of Telor and Layau Kiri Dams

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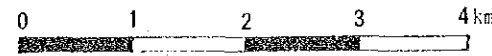


Present Land Use the Proposed Sedili Reservoir Area

LEGEND

- : Reservoir Boundary
- - - : Dam Axis
- ~ : River
- [Cross-hatched] : Tin Mine
- [Stippled] : Oil Palm
- [Grid] : Residential Land
- [White] : Forest
- [Dotted] : Forest Plantation Area
- [Hatched] : Forest Reserve Boundary

SCALE 1 : 63,360



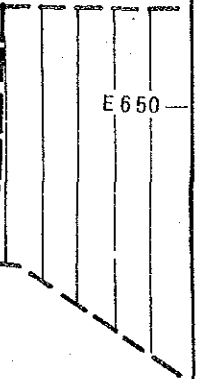
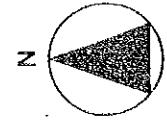
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to Mersing

N 230

to Kota Tinggi

N 220



E 650

E 650

Sedili Damsite

L 381

GSB L 393

L 288

GSB L 328

GSB 5497

GSB C 016

GSB 410

C 119

GSB 395

E 640

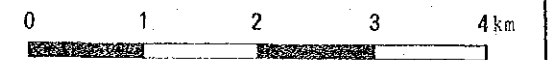
N 230

Land Use Plan in the Proposed Sedili Reservoir Area

LEGEND

- Reservoir Boundary
- Dam Axis
- Plantation Area
- Plantation Project Area for 1985
- Plantation Project Area for 1986
- Plantation Project Area for 1987
- Application for Mining

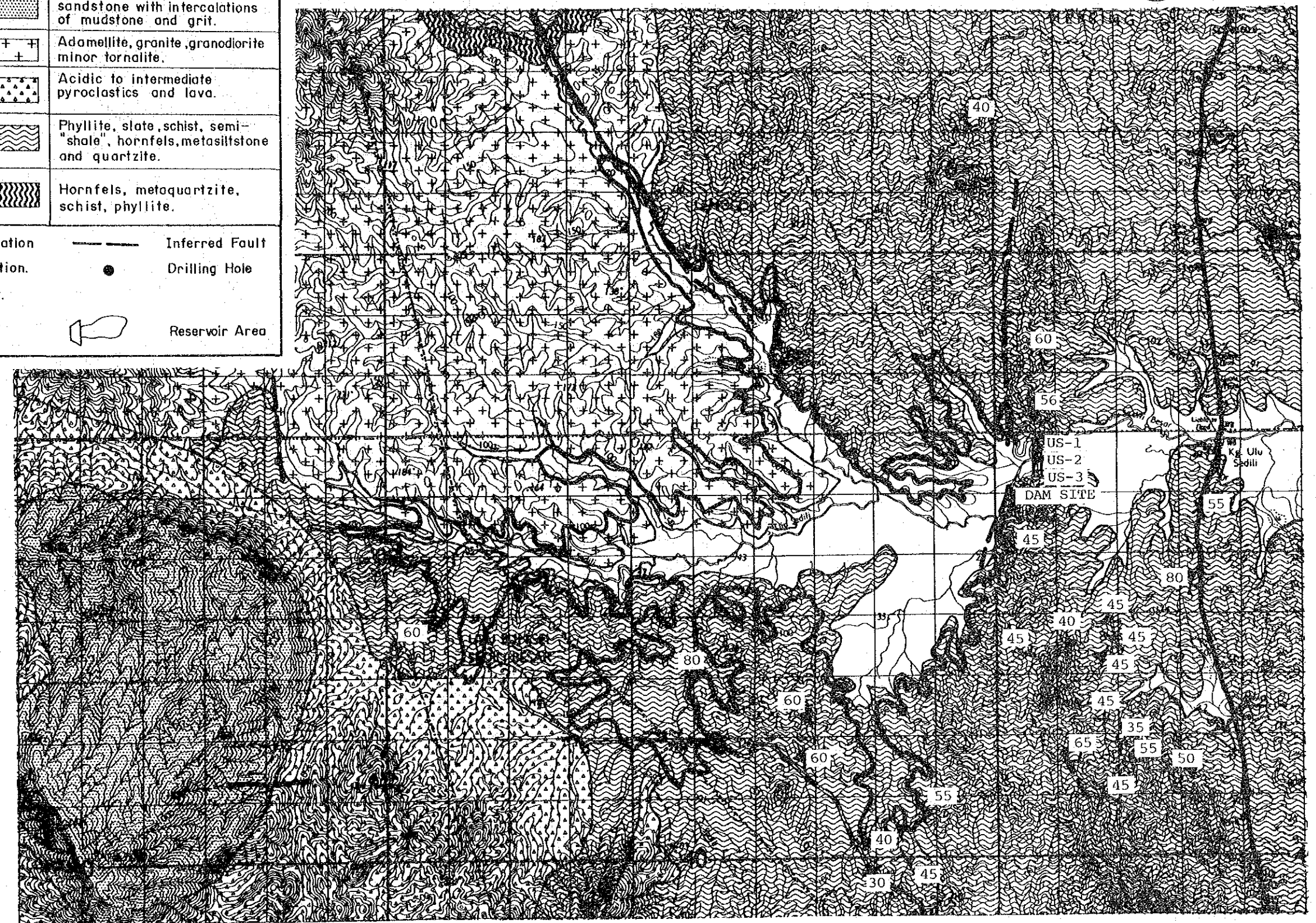
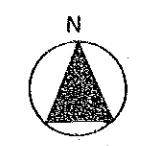
SCALE 1 : 63,360



LEGEND

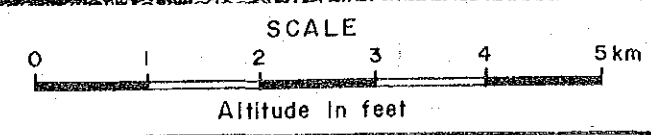
GEOLOGIC AGE	FORMATION	SYMBOL	DESCRIPTION & LITHOLOGY
RECENT	ALLUVIUM		River and swamp alluvium, colluvium Mainly sand, silt and clay.
LOWER CRETACEOUS	TEBAK FORMATION		Massive cross-bedded sandstone with intercalations of mudstone and grit.
TRIASSIC	LENGGOR GRANITE		Adamellite, granite, granodiorite minor tonalite.
UPPER PERMIAN	SEDILI VOLCANIC FORMATION		Acidic to intermediate pyroclastics and lava.
PERMIAN	MERSING GROUP		Phyllite, slate, schist, semi-"shale", hornfels, metasiltstone and quartzite.
			Hornfels, metaquartzite, schist, phyllite.

	Strike and dip of Formation		Inferred Fault
	Strike and dip of Foliation.		Drilling Hole
	Strike and dip of Joint.		Reservoir Area
	Boundary of Formation.		
	Fault		

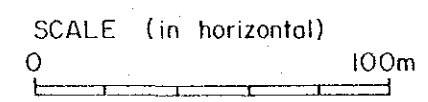
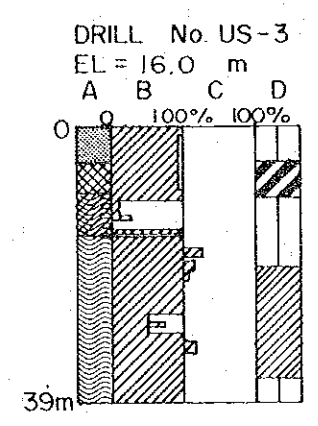
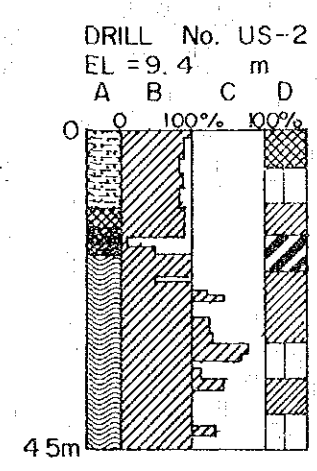
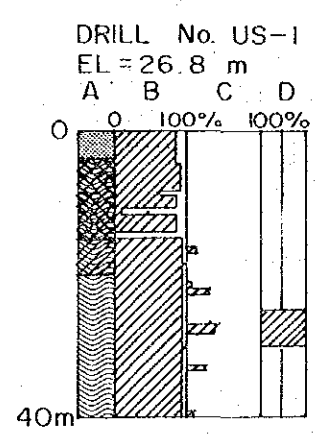
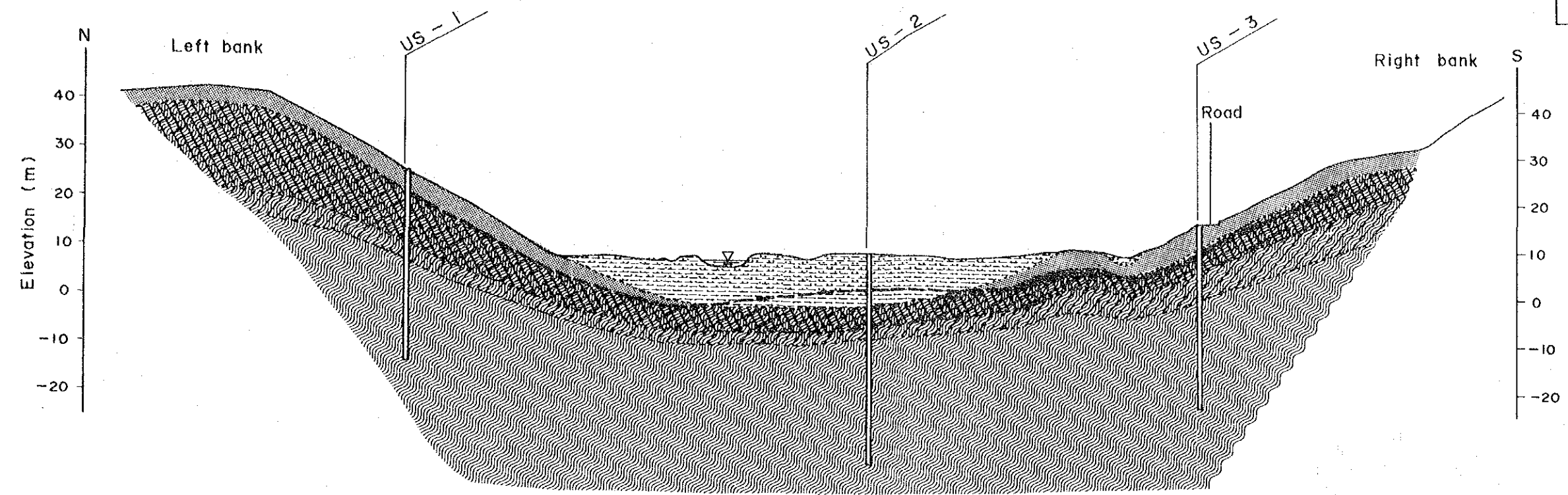


(After the geological map prepared by G.S.D)

Geological Map of the Proposed Sedili Reservoir Area



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LEGEND

A: Geology from the surface investigation and drilling

- Alluvial deposits (sand, silt)
- Top soil and residual soil
- Mersing Group Phyllite
- Heavy weathered or fractured zone (D to CL in rock grade classification)

- Moderately weathered or fractured zone (CL in rock-grade classification)
- Geologic boundary
- Excavation line for Earth fill type dam

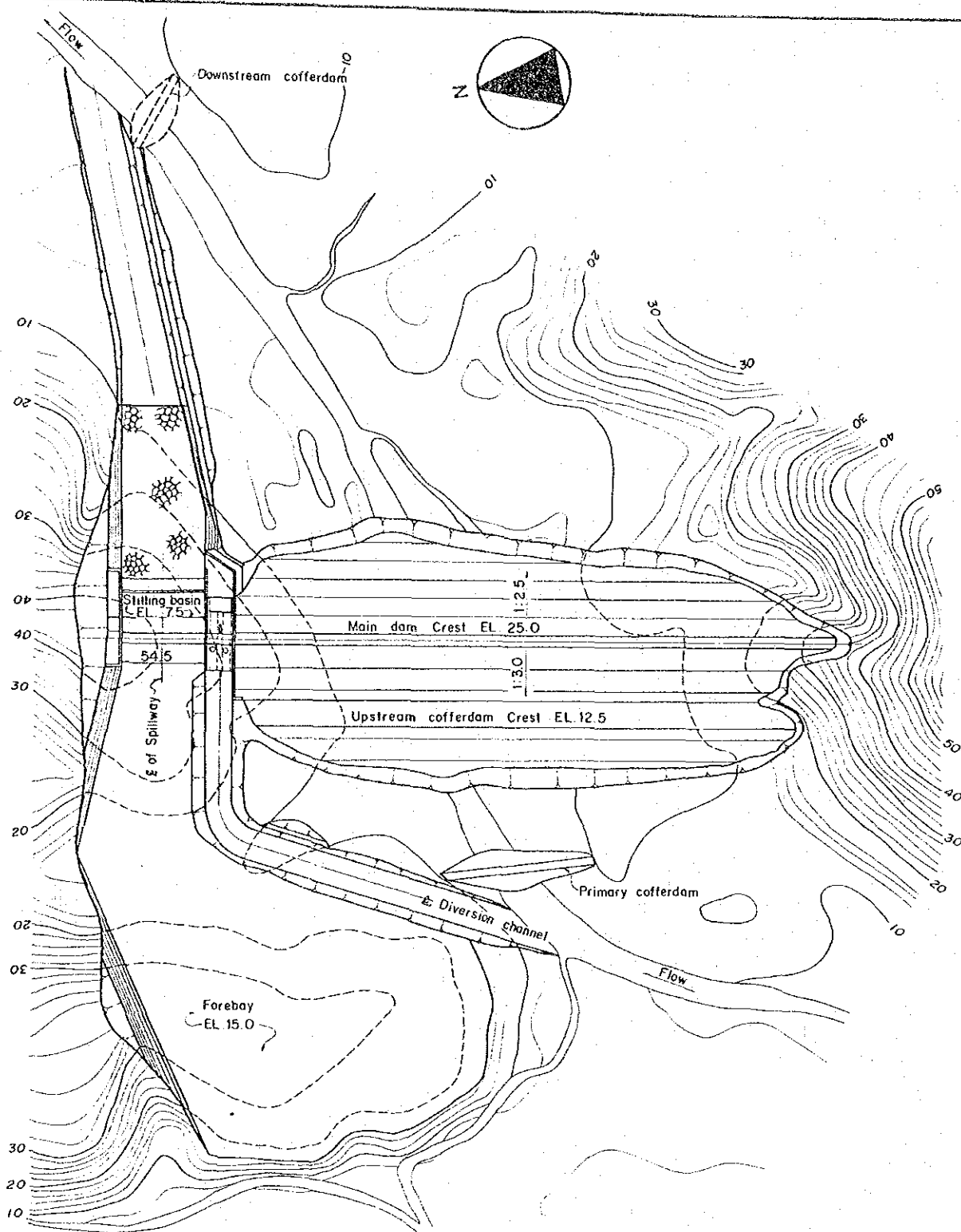
B: Core Recovery (%)

C: Rock Quality Designation (%)

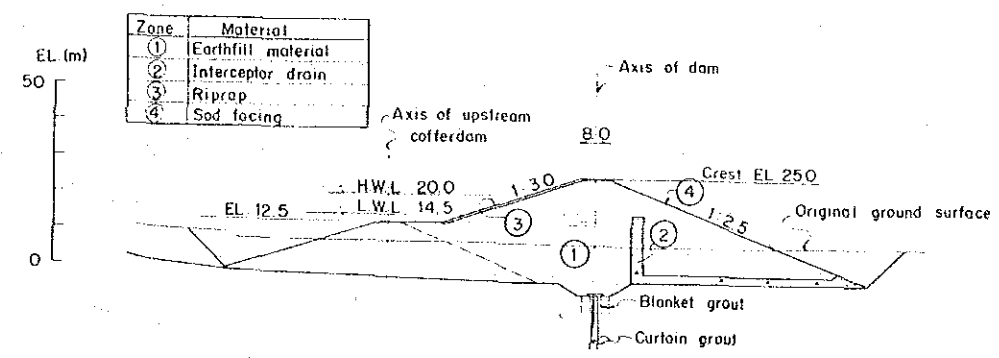
D: Permeability in Lugeon Unit (Lu)

- $Lu \leq 5$
- $5 < Lu \leq 20$
- $20 < Lu \leq 40$
- $40 < Lu \leq 100$
- $100 < Lu$

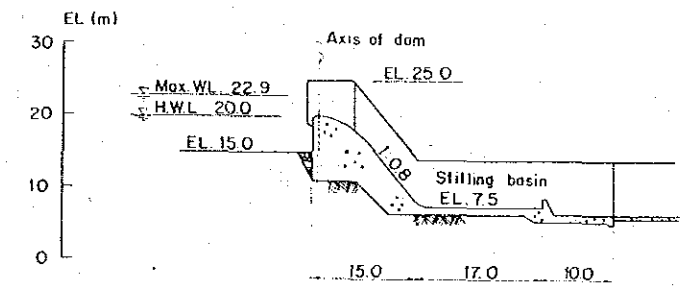
Geologic Profile of the Proposed Sedili Damsite



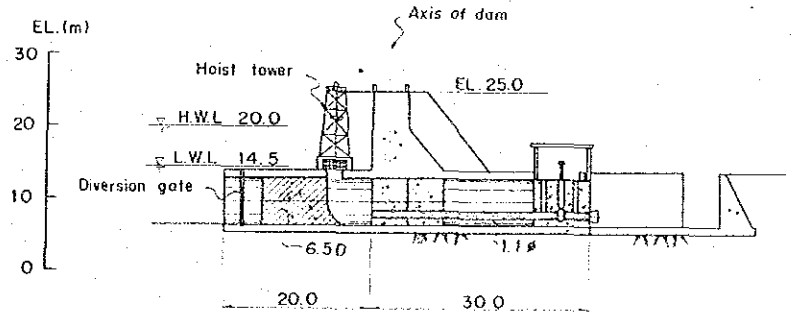
PLAN SCALE A



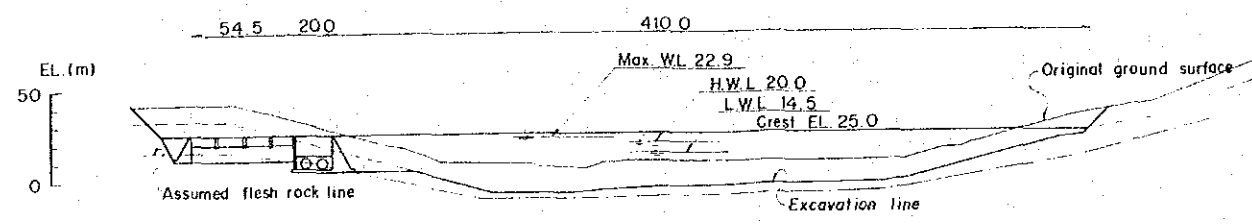
TYPICAL SECTION OF DAM SCALE B



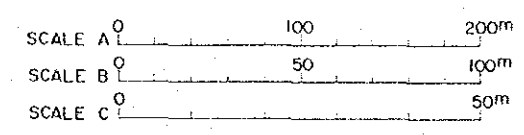
PROFILE OF SPILLWAY SCALE C



PROFILE OF DIVERSION AND RIVER OUTLET SCALE C

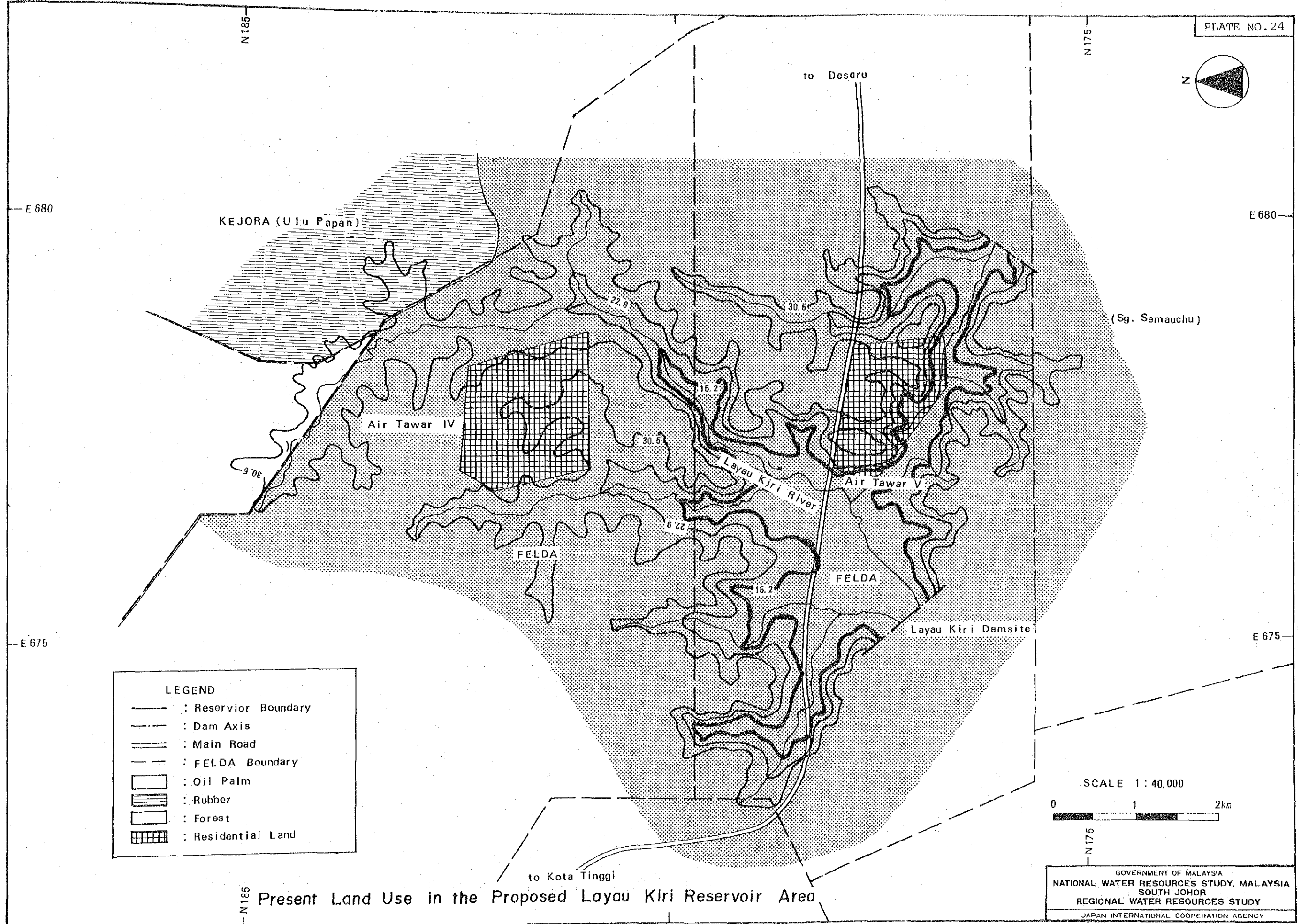
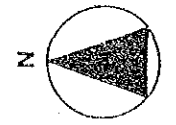


UPSTREAM ELEVATION OF DAM SCALE A



Sedili Dam Scheme

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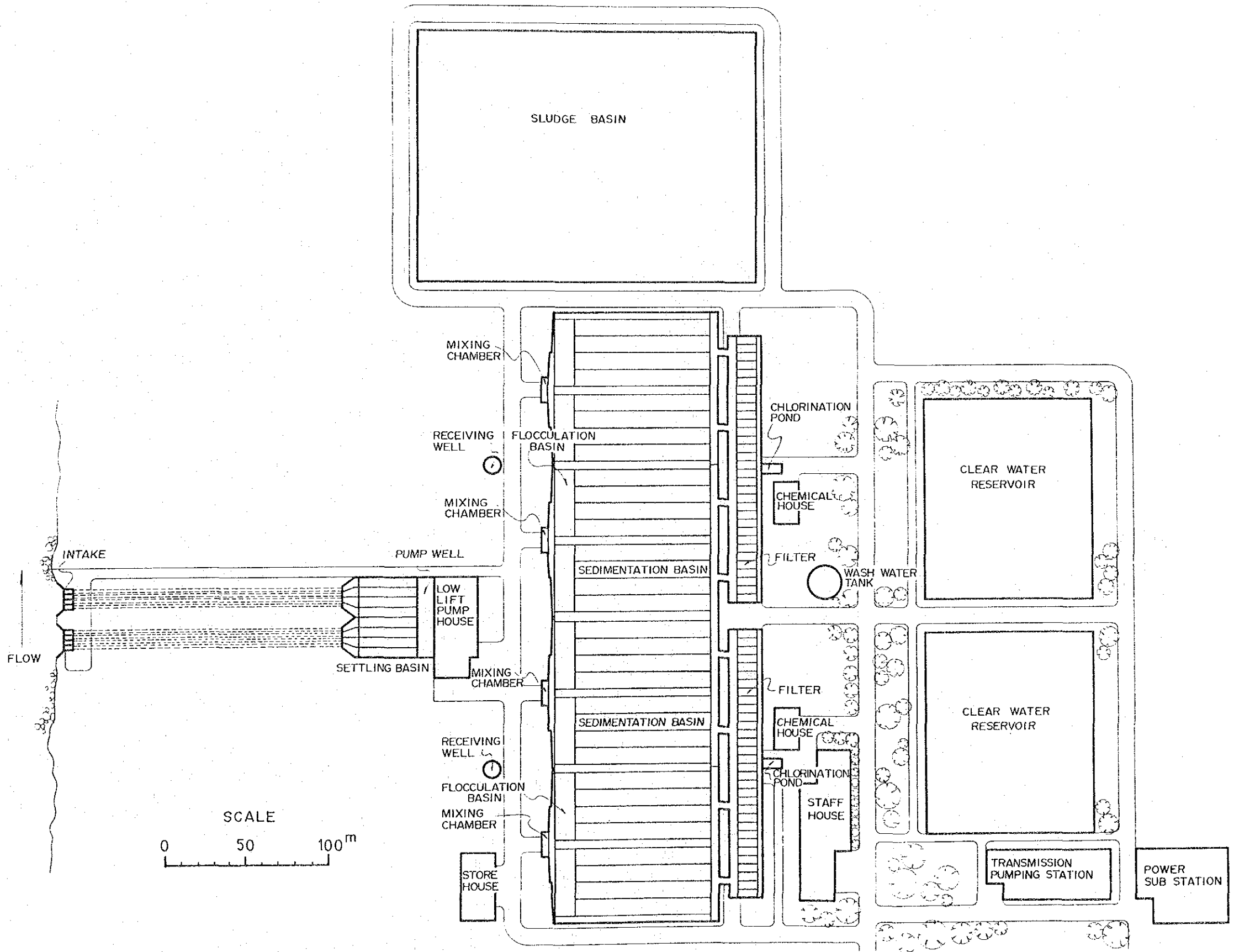
LEGEND

- : Reservoir Boundary
- - - : Dam Axis
- == : Main Road
- - - : FELDA Boundary
- : Oil Palm
- ▨ : Rubber
- : Forest
- ▤ : Residential Land

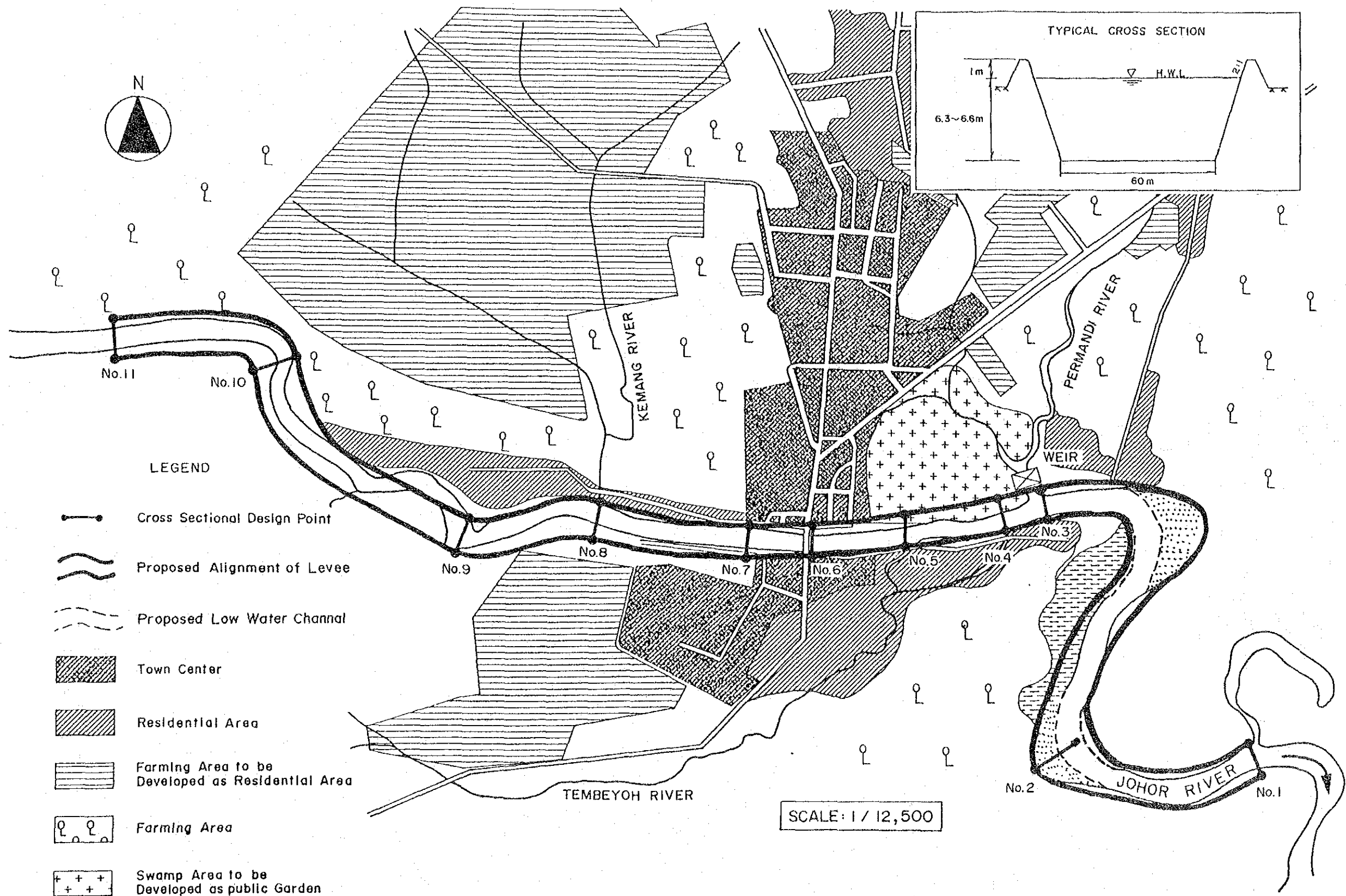
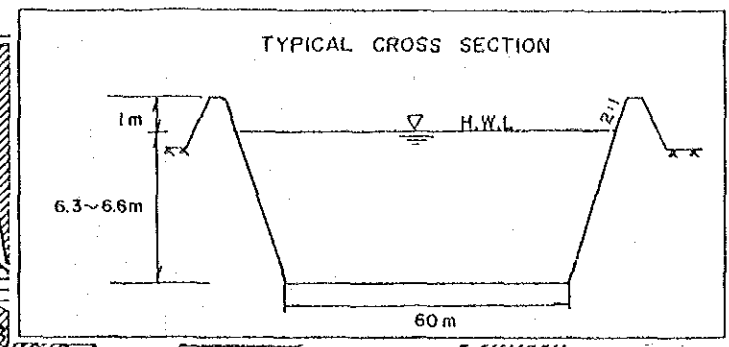
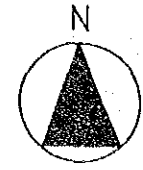
SCALE 1 : 40,000

Present Land Use in the Proposed Layau Kiri Reservoir Area






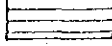

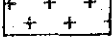
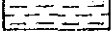
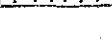
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General Layout of Treatment Facilities



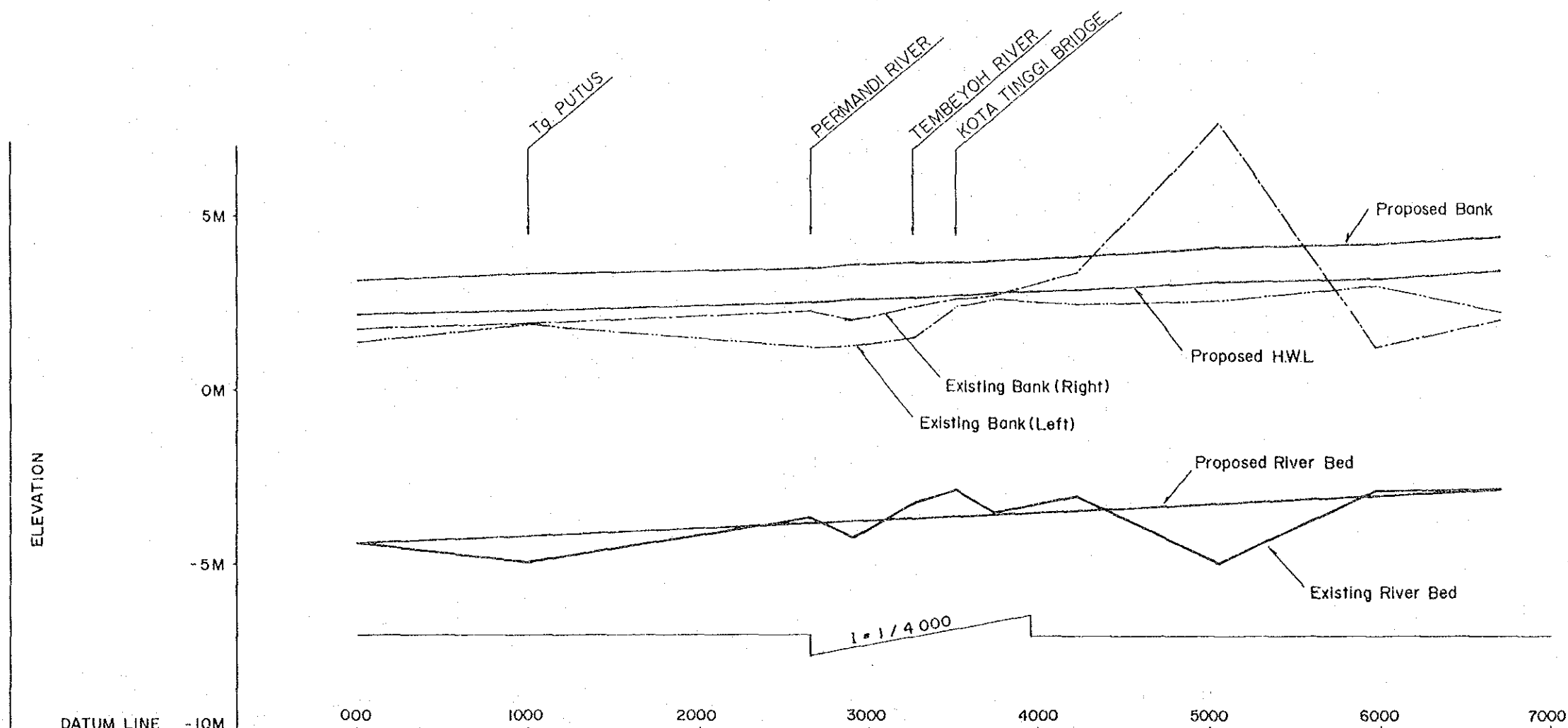
LEGEND

-  Cross Sectional Design Point
-  Proposed Alignment of Levee
-  Proposed Low Water Channal
-  Town Center
-  Residential Area
-  Farming Area to be Developed as Residential Area
-  Farming Area
-  Swamp Area to be Developed as public Garden
-  Swamp Area
-  Proposed Spoilbank of Dredged Material

SCALE: 1 / 12,500

Plan of River Channel Improvement

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DATUM LINE	-10M	000	1000	2000	3000	4000	5000	6000	7000
PROPOSED BANK		3.22	3.47		3.69	3.79	3.82	3.89	3.96
PROPOSED H.W.L.		2.22	2.37		2.69	2.82	2.89	2.96	3.09
PROPOSED RIVER BED		-4.40	-4.15		-3.74	-3.67	-3.59	-3.52	-3.47
EXISTING BANK (RIGHT)		1.76	1.97		2.42	2.13	2.56	2.82	2.92
EXISTING BANK (LEFT)		1.42	1.97		1.37	1.39	1.65	2.55	2.81
EXISTING RIVER BED		-4.38	-4.87		-3.58	-4.15	-3.13	-2.77	-3.43
INCREASE DISTANCE		0.00	1000		2660	2910	3260	3510	3730
INTERVAL DISTANCE		0.00	1000		1660	250	350	250	220
STATION POINT NO.		1	2		3	4	5	6	7

Proposed Longitudinal Profile for Model River Stretch of Johor River

