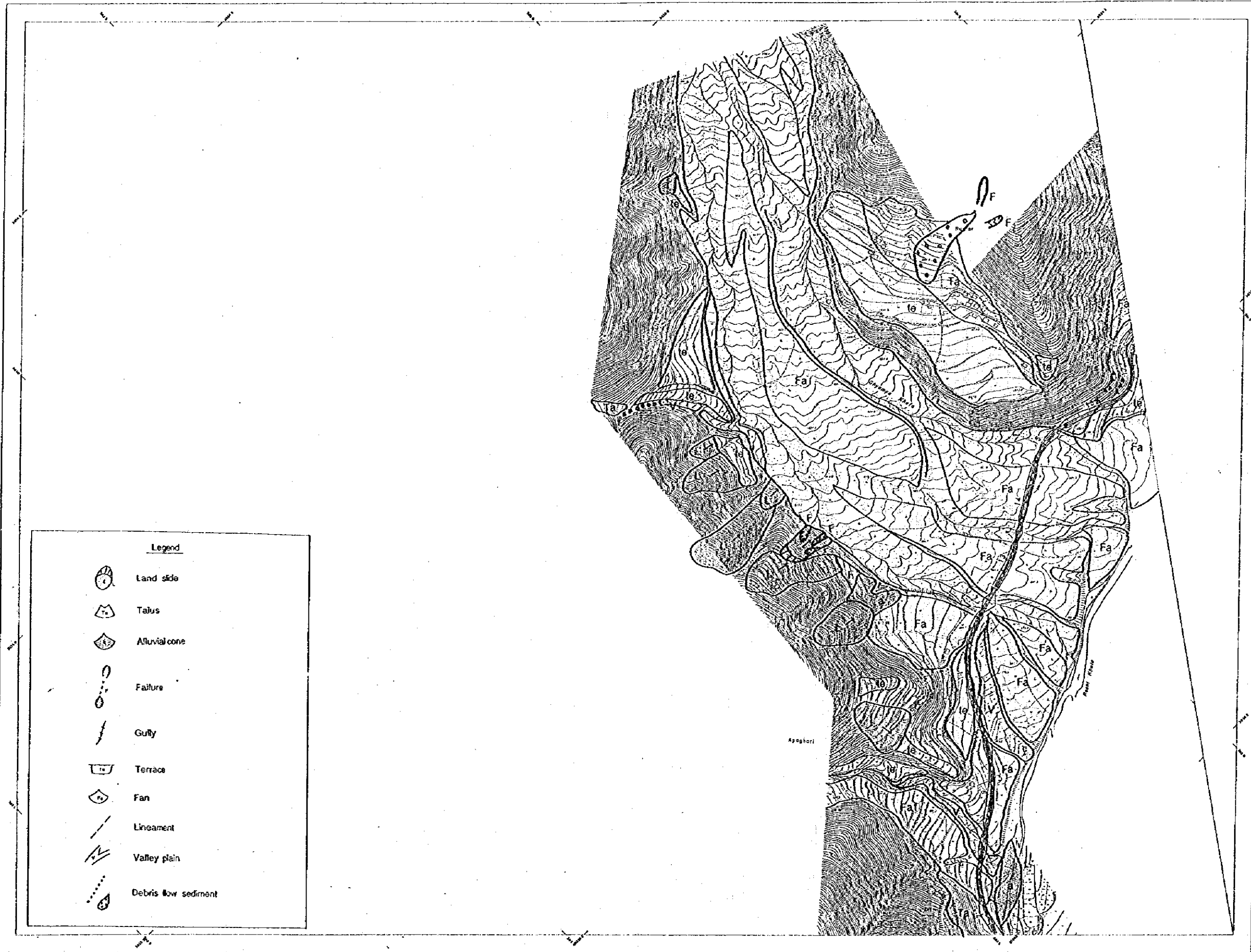


SINDHULI ROAD CONSTRUCTION PROJECT



Legend

- Land slide
- Talus
- Alluvial cone
- Failure
- Gully
- Terrace
- Fan
- Lineament
- Valley plain
- Debris flow sediment

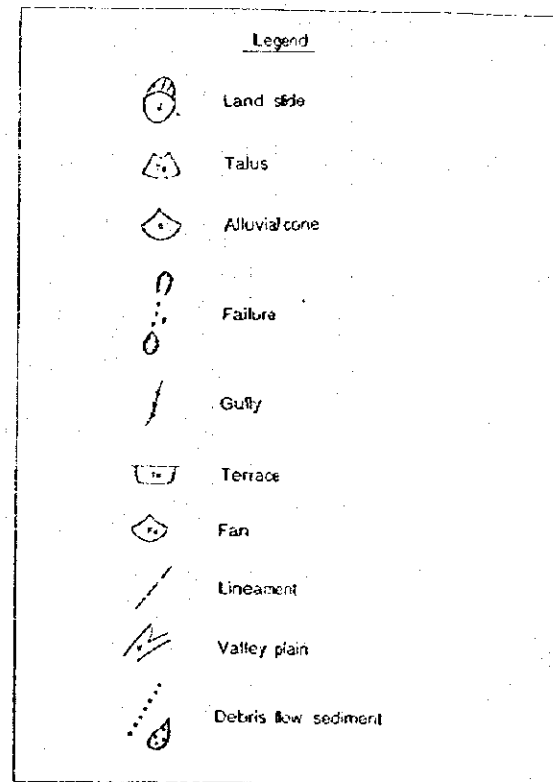
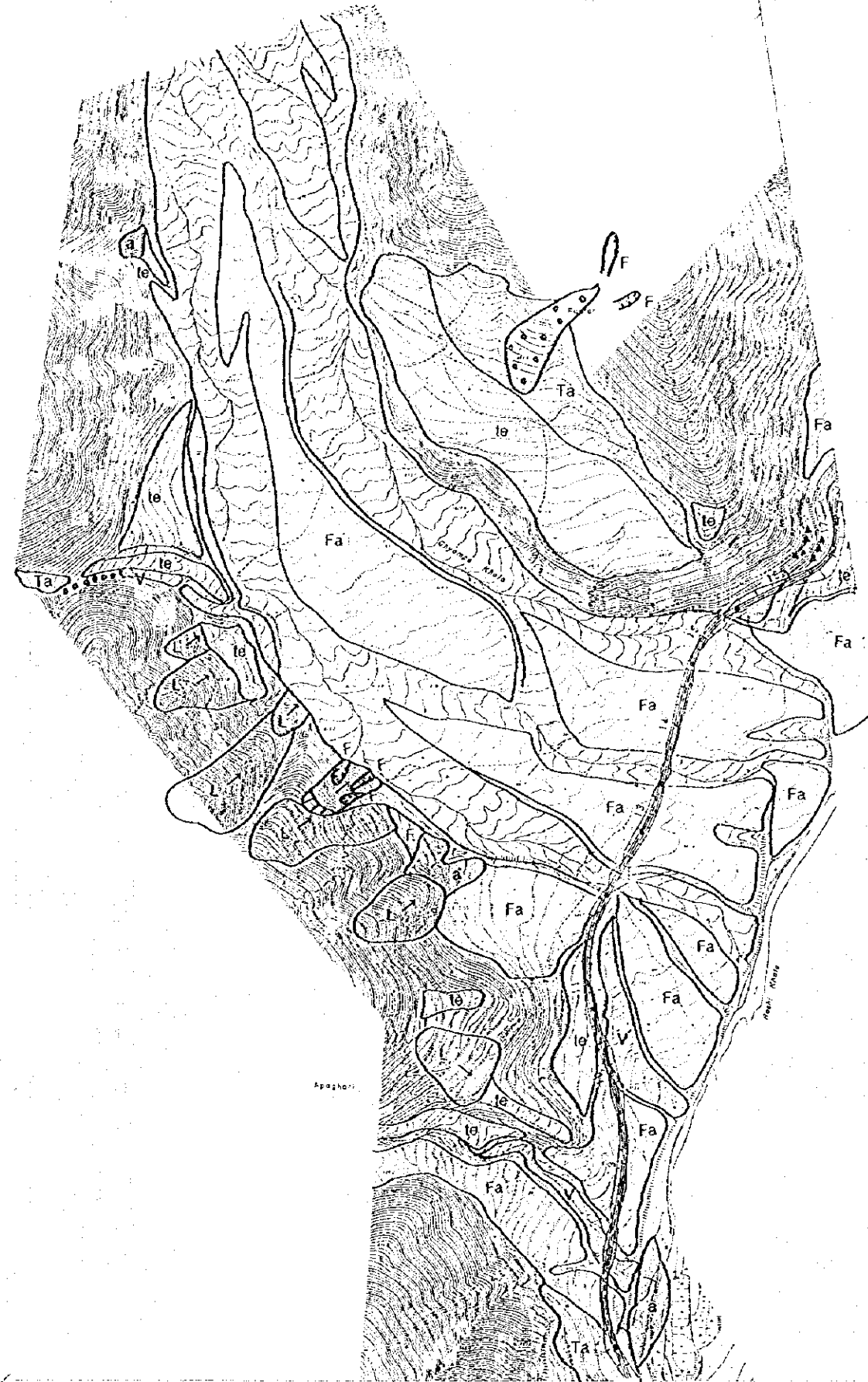
MAP SHEET NO. 45

Scale: 1:2,000

North Arrow

Legend:

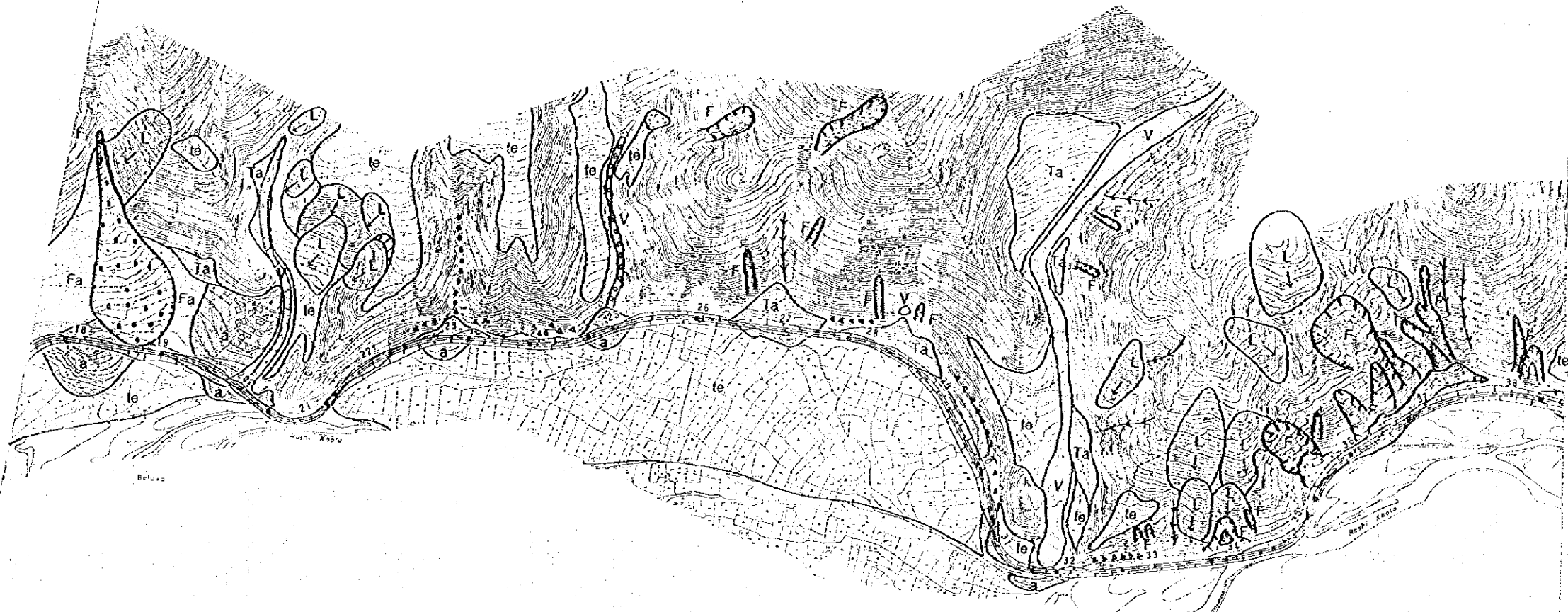
- ROADS
- RAILWAYS
- POWER LINES
- TELEPHONE LINES
- POST OFFICES
- SCHOOLS
- HOSPITALS
- TEMPLES
- CHURCHES
- MOSQUES
- MEMORIALS
- MARKERS
- BOUNDARIES
- ENCLOSURES
- WATER BODIES
- WELLS
- MINES
- QUARRIES
- CLIFFS
- CAVITIES
- LANDSLIDES
- TAJALS
- ALLUVIAL CONES
- VALLEY PLAINS
- DEBRIS FLOWS
- DEBRIS FLOW SEDIMENT
- FAILURE
- GULLIES
- TERRACES
- FANS
- LINEAMENTS
- VALLEY PLAINS
- DEBRIS FLOW SEDIMENT



Scale	
1 cm	100 m
1 km	1000 m
1:5000	

Sindhuli District	
1:1000	
1:5000	
1:10000	
1:25000	
1:50000	
1:100000	
1:250000	
1:500000	
1:1000000	
1:2500000	
1:5000000	
1:10000000	
1:25000000	
1:50000000	
1:100000000	

Sindhuli Road Construction Project
 (Section II-3, Nepal-Thak-Dhukel)
 Hazard Map (2/22)
 STA 6+50~STA. 17+40

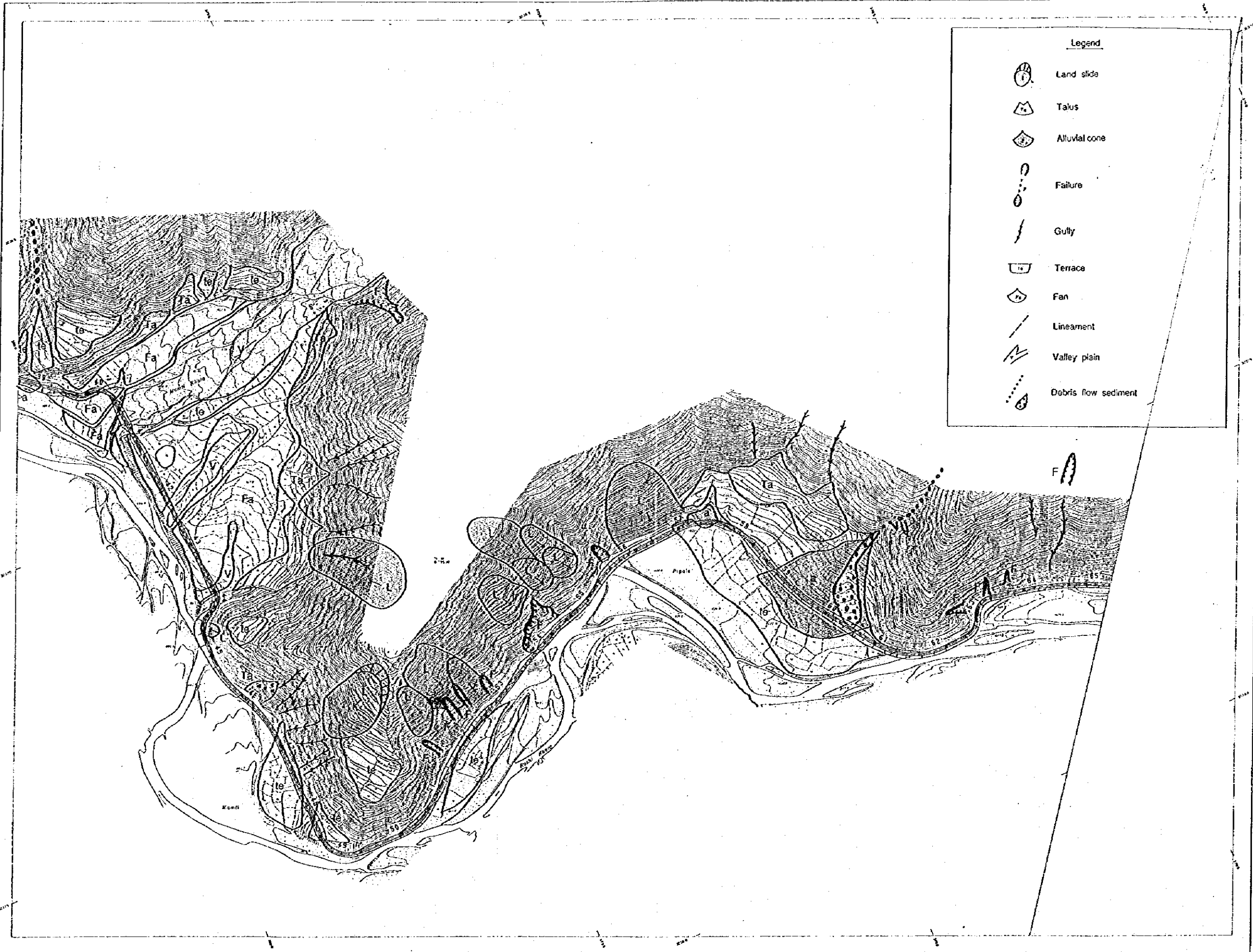


Legend	
	Land slide
	Talus
	Alluvial cone
	Failure
	Gully
	Terrace
	Fan
	Lineament
	Valley plain
	Debris flow sediment

Sindhuli Road Construction Project
 (Section II-3 Nepal Truck Dhulike)
 Hazard Map (3/22)
 STA.17+40--STA.38+60

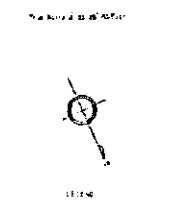
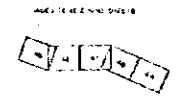
1:2,000

NOTATION
 (1) 1/2" = 1' (1:2,000)
 (2) 1/4" = 1' (1:4,000)
 (3) 1/8" = 1' (1:8,000)
 (4) 1/16" = 1' (1:16,000)













Legend

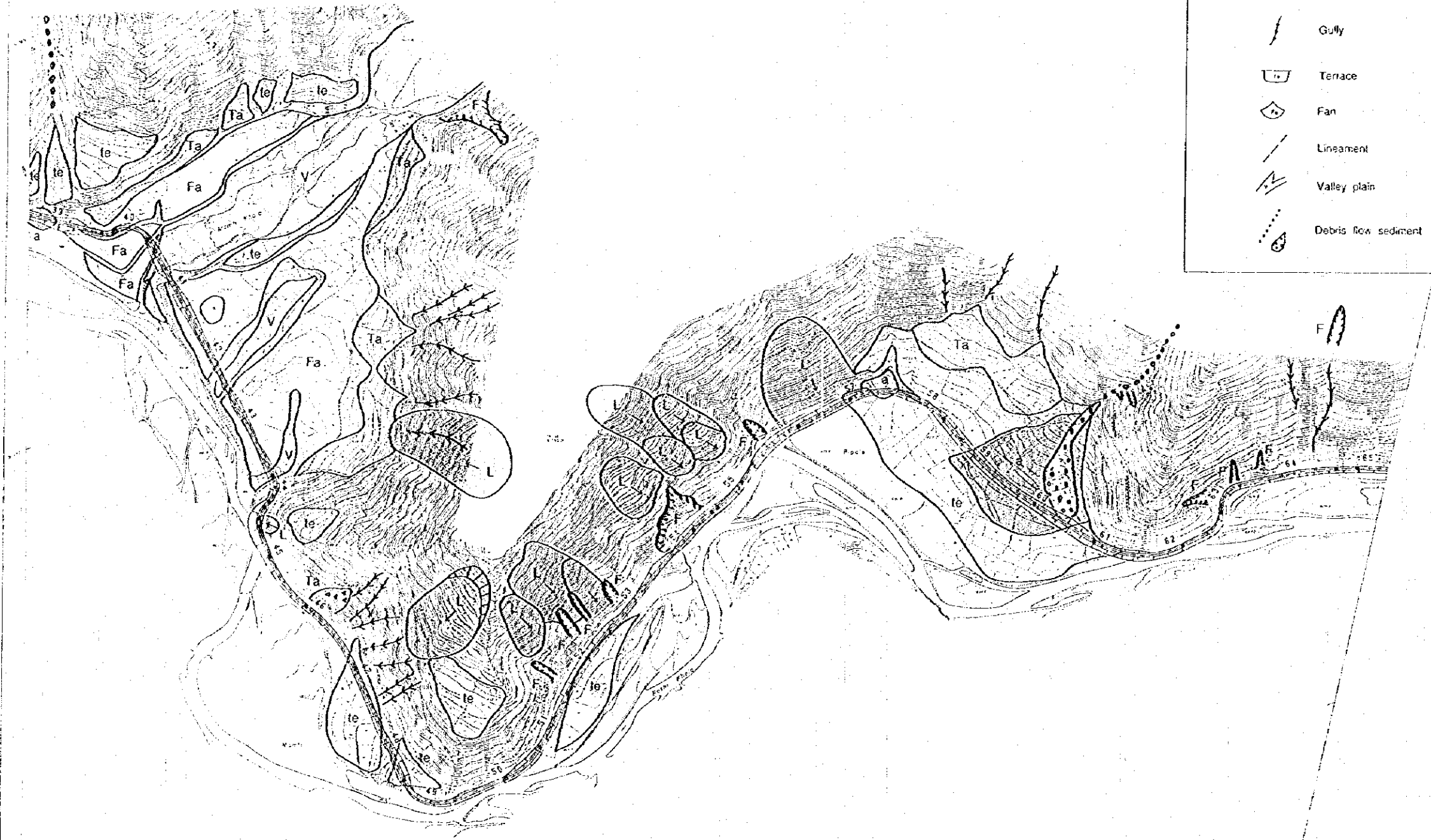
- Land slide
- Talus
- Alluvial cone
- Failure
- Gully
- Terrace
- Fan
- Lineament
- Valley plain
- Debris flow sediment



TEMPERATURE	10-15°C
PRECIPITATION	1500 mm
RELATIVE HUMIDITY	75%
WIND SPEED	10-15 km/h
WIND DIRECTION	SW
SOIL TYPE	Clayey loam
ROCK TYPE	Granite
VEGETATION	Forest
POPULATION	10000
INDUSTRY	None
TRANSPORT	Road
UTILITIES	Water supply
HAZARD LEVEL	High

Legend

-  Land slide
-  Talus
-  Alluvial cone
-  Failure
-  Gully
-  Terrace
-  Fan
-  Lineament
-  Valley plain
-  Debris flow sediment



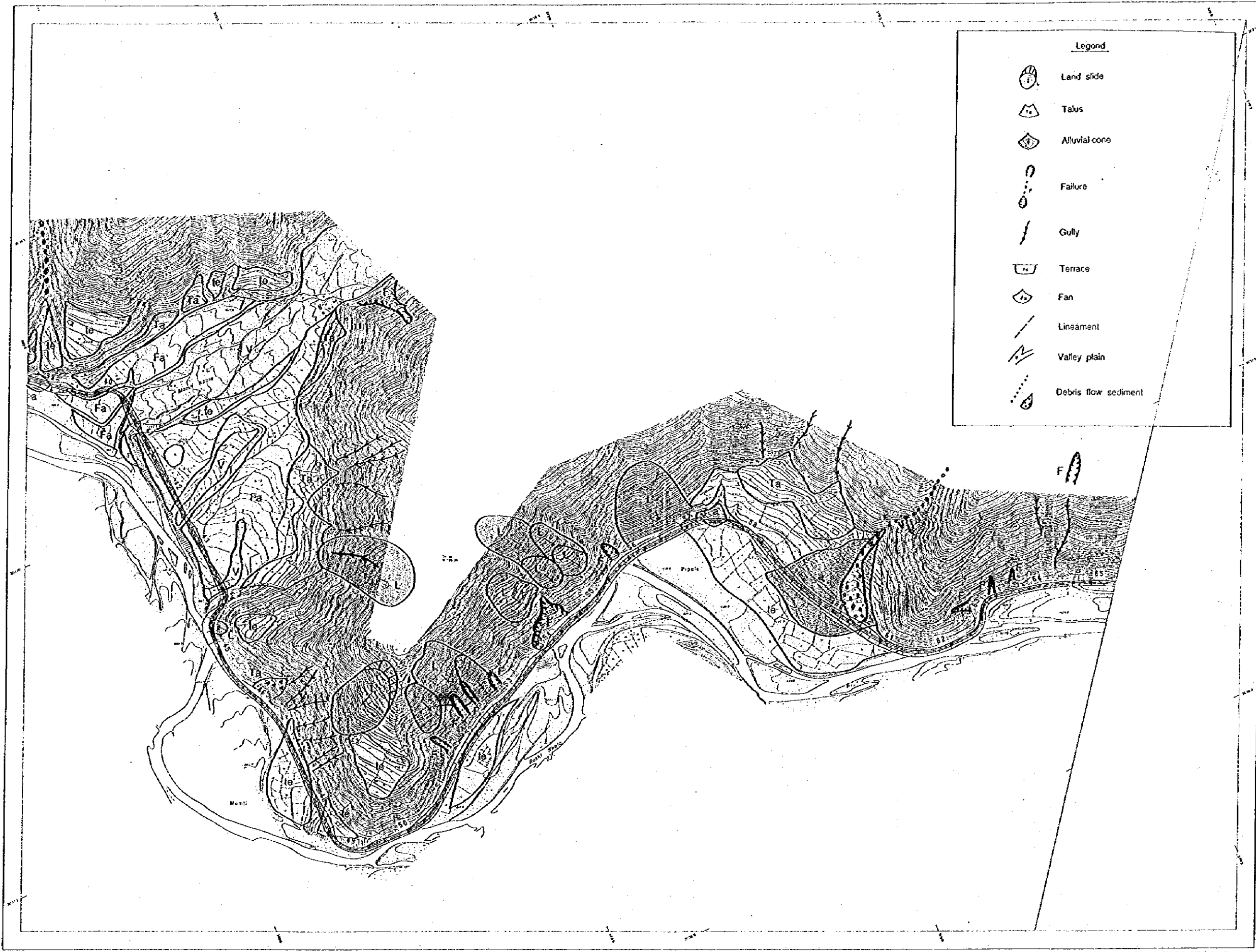
Sindhuli Road Construction Project
 (Section II-3 Nepal Thok-Dhulikel)
 Hazard Map (4/22)
 STA 33+60--STA 65+20

Prepared by: Sindhuli Road Construction Project
 Ministry of Works and Transport
 Government of Nepal

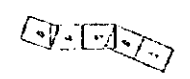
Scale: 1:25000
 Date: 2073 B.S.
 Prepared by: Sindhuli Road Construction Project
 Ministry of Works and Transport
 Government of Nepal

Sheet No. 47 of 47

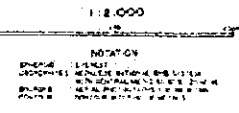
SINDHULI ROAD CONSTRUCTION PROJECT



Legend	
	Land slide
	Talus
	Alluvial cone
	Failure
	Gully
	Terrace
	Fan
	Lineament
	Valley plain
	Debris flow sediment



- 1:1000
- 1:2000
- 1:5000
- 1:10000
- 1:20000
- 1:50000
- 1:100000
- 1:200000
- 1:500000
- 1:1000000
- 1:2000000
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- 1:100000000
- 1:200000000
- 1:500000000
- 1:1000000000

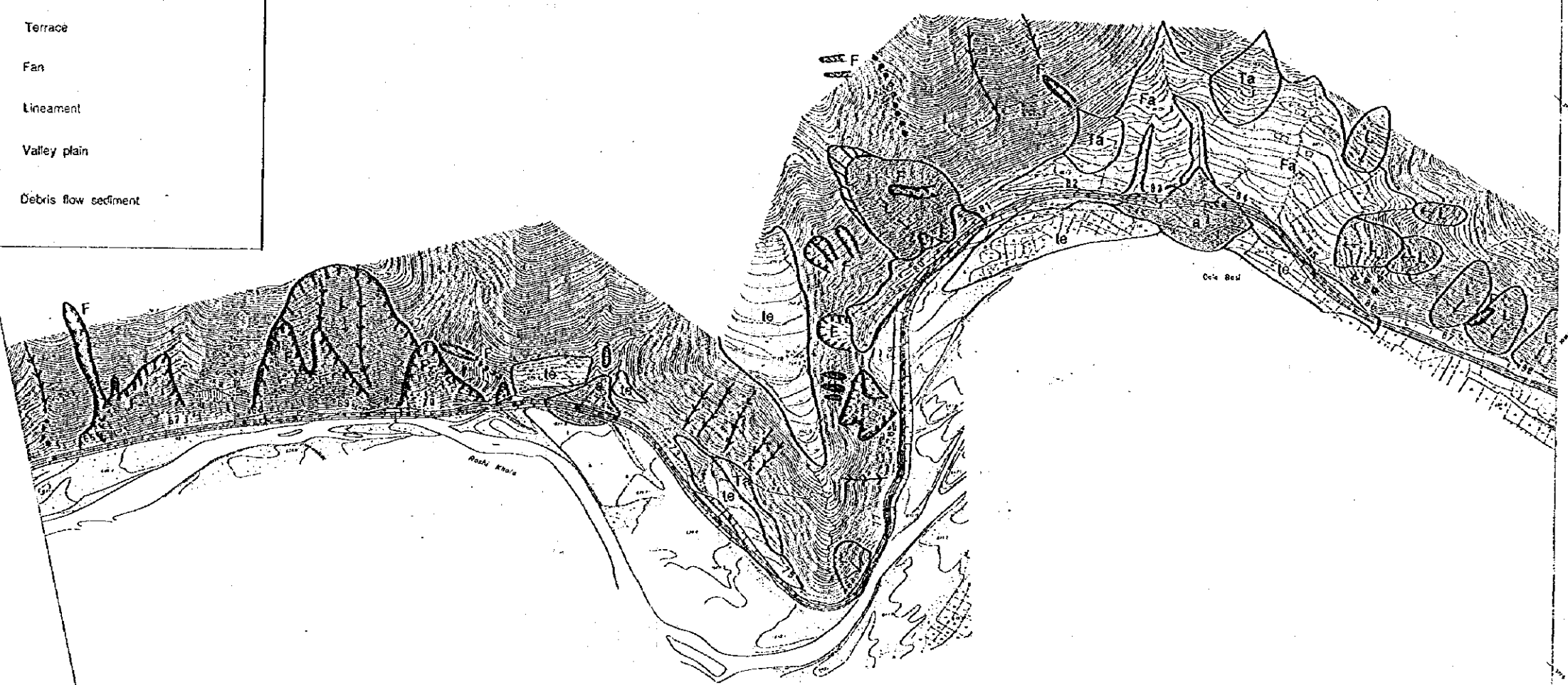


Sindhuli Road Construction Project
 (Section II-3 Nepal Trek-Dhulikel)
 Hazard Map (4/22)
 STA.38+60~STA.65+20

SINDHULI ROAD CONSTRUCTION PROJECT

Legend

- Land slide
- Talus
- Alluvial cone
- Failure
- Gully
- Terrace
- Fan
- Lineament
- Valley plain
- Debris flow sediment













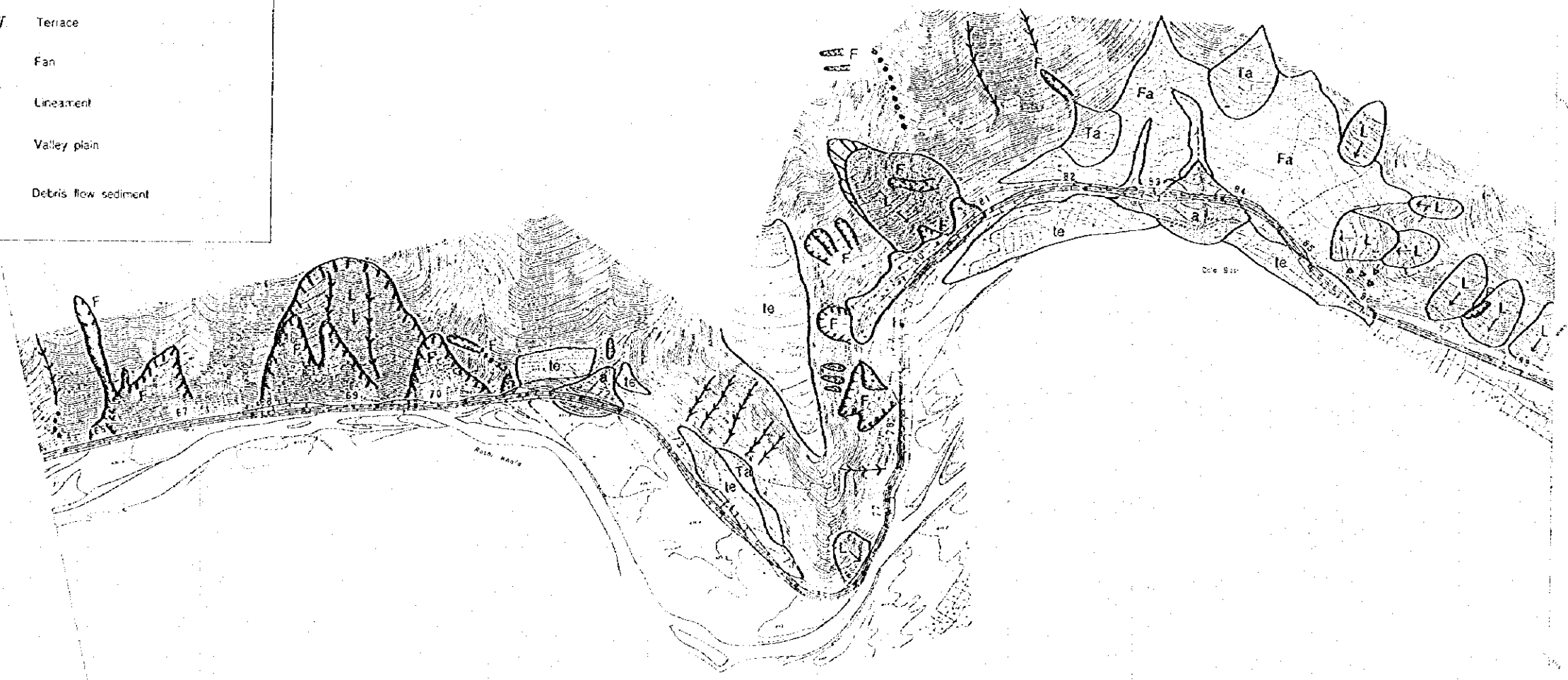
SYMBOLS

- NEPAL
- DISTRICT
- ROAD
- RAILWAY
- WATER
- FOREST
- SETTLEMENT
- ELEVATION CONTOURS
- GRID LINES

SINDHULI ROAD CONSTRUCTION PROJECT











Legend

-  Land slide
-  Talus
-  Alluvial cone
-  Failure
-  Gully
-  Terrace
-  Fan
-  Lineament
-  Valley plain
-  Debris flow sediment



DEPARTMENT OF HIGHWAYS, MINISTRY OF WORKS AND TRANSPORT, GOVERNMENT OF NEPAL
 SINDHULI ROAD CONSTRUCTION PROJECT
 (Section II-3 Nepal Thok (Ghulike))
 Hazard Map(5/22)
 STA 65+20--STA 68+40

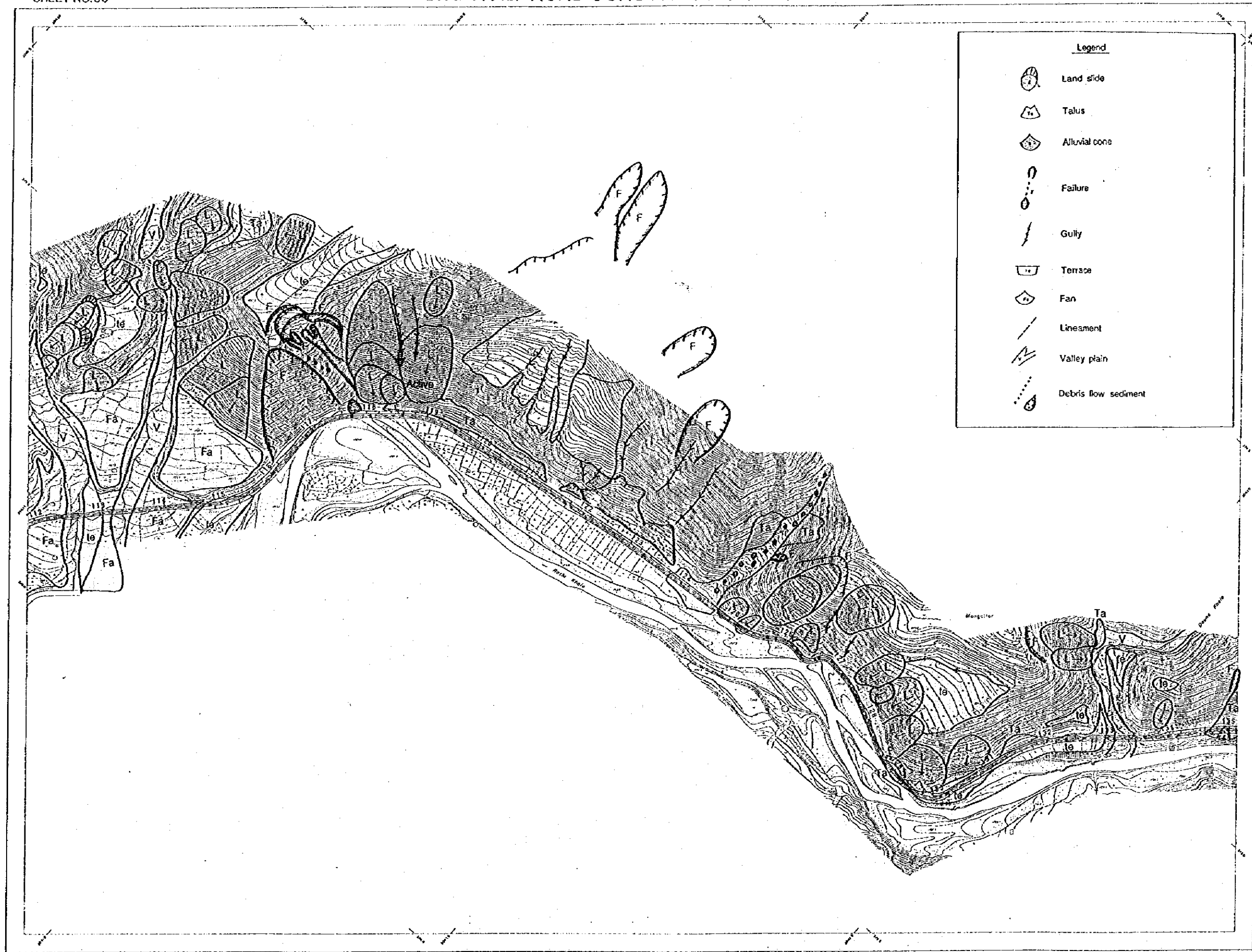
SINDHULI ROAD CONSTRUCTION PROJECT

- Legend**
-  Land slide
 -  Talus
 -  Alluvial cone
 -  Failure
 -  Gully
 -  Terrace
 -  Fan
 -  Lineament
 -  Valley plain
 -  Debris flow sediment



Sindhuli Road Construction Project
 (Section II-3, Nepal Thok-Dhulikel)
 Hazard Map (5/22)
 STA 88+40~STA 111+80

SINDHULI ROAD CONSTRUCTION PROJECT

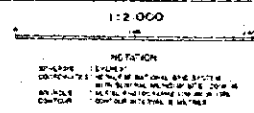


Legend

- Land slide
- Talus
- Alluvial cone
- Failure
- Gully
- Terrace
- Fan
- Lineament
- Valley plain
- Debris flow sediment











Symbol	Description
	ENVIRONMENTAL STATION
	ROAD
	BUILDING
	WATERFALL
	DAM
	BRIDGE
	TUNNEL
	POWER LINE
	TELEPHONE LINE
	RAILWAY LINE
	CONTOUR LINE
	SPOT HEIGHT
	BENCH MARK
	TRIANGULATION STATION
	SURVEY LINE
	SECTION LINE
	PROPERTY LINE
	BOUNDARY LINE
	FENCING
	WALL
	GATE
	CULVERT
	DRAINAGE DITCH
	STREAM BED
	DRY STREAM BED
	WATER COURSE
	RIVER BANK
	SAND BAR
	SHINGLE BAR
	SAND POINT
	SHINGLE POINT
	SAND BAR WITH VEGETATION
	SHINGLE BAR WITH VEGETATION
	SAND BAR WITH WATER
	SHINGLE BAR WITH WATER
	SAND BAR WITH WATER AND VEGETATION
	SHINGLE BAR WITH WATER AND VEGETATION

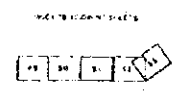
Sindhuli Road Construction Project
 (Section II-3, Nepal Thok-Dhulikel)
 Hazard Map(7/22)
 STA.111+80~STA.135+10



SINDHULI ROAD CONSTRUCTION PROJECT

Legend

-  Land slide
-  Talus
-  Alluvial cone
-  Failure
-  Gully
-  Terrace
-  Fan
-  Lineament
-  Valley plain
-  Debris flow sediment



SYMBOL	DESCRIPTION
	PHYSICAL STATION
	WATER LEVEL
	SPOT HEIGHT
	ROAD
	BUILDING
	FIELD
	FOREST
	CULTIVATED LAND
	BARREN LAND
	SAND
	CLAY
	SHALE
	SANDSTONE
	LIMESTONE
	GNISS
	GRANITE
	BASALT
	DIORITE
	ANDESITE
	BASALTIC ANDESITE
	TUFF
	ALLUVIUM
	TALUS
	DEBRIS FLOW SEDIMENT
	TERRACE
	GULLY
	FAILURE
	LAND SLIDE
	ALLUVIAL CONE
	TALUS
	LINEAMENT
	VALLEY PLAIN
	DEBRIS FLOW SEDIMENT











DEPARTMENT OF ROAD, MINISTRY OF WORKS AND TRANSPORT, HIS MAJESTY'S GOVERNMENT OF NEPAL

1:10,000
NOTATION
SYMBOLS: AS PER NATIONAL STANDARDS
SOURCE: AERIAL PHOTOGRAPHS OF 1960
DATE: 1960

Sindhuli Road Construction Project
(Section B-3, Nepal Thok, Dhulikel)
Hazard Map (B/22)
STA. 135+10--STA. 164+00

SINDHULI ROAD CONSTRUCTION PROJECT

Legend











-  Land slide
-  Talus
-  Alluvial cone
-  Failure
-  Gully
-  Terrace
-  Fan
-  Lineament
-  Valley plain
-  Debris flow sediment



Sindhuli Road Construction Project
 (Section II-3 Nepal Thok Dhulikel)
 Hazard Map (B/22)
 STA. 135+10—STA. 154+00

SINDHULI ROAD CONSTRUCTION PROJECT

Legend

-  Land slide
-  Talus
-  Alluvial cone
-  Failure
-  Gully
-  Terrace
-  Fan
-  Lineament
-  Valley plain
-  Debris flow sediment

NOTES

1. ALL INFORMATION ON THIS MAP IS BASED ON THE DATA PROVIDED BY THE FIELD SURVEYORS.

2. THE MAP IS A GENERALIZATION OF THE DATA AND DOES NOT REPRESENT THE ACTUAL TERRAIN.

3. THE MAP IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS PREPARED.

4. THE MAP IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS PREPARED.

5. THE MAP IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS PREPARED.

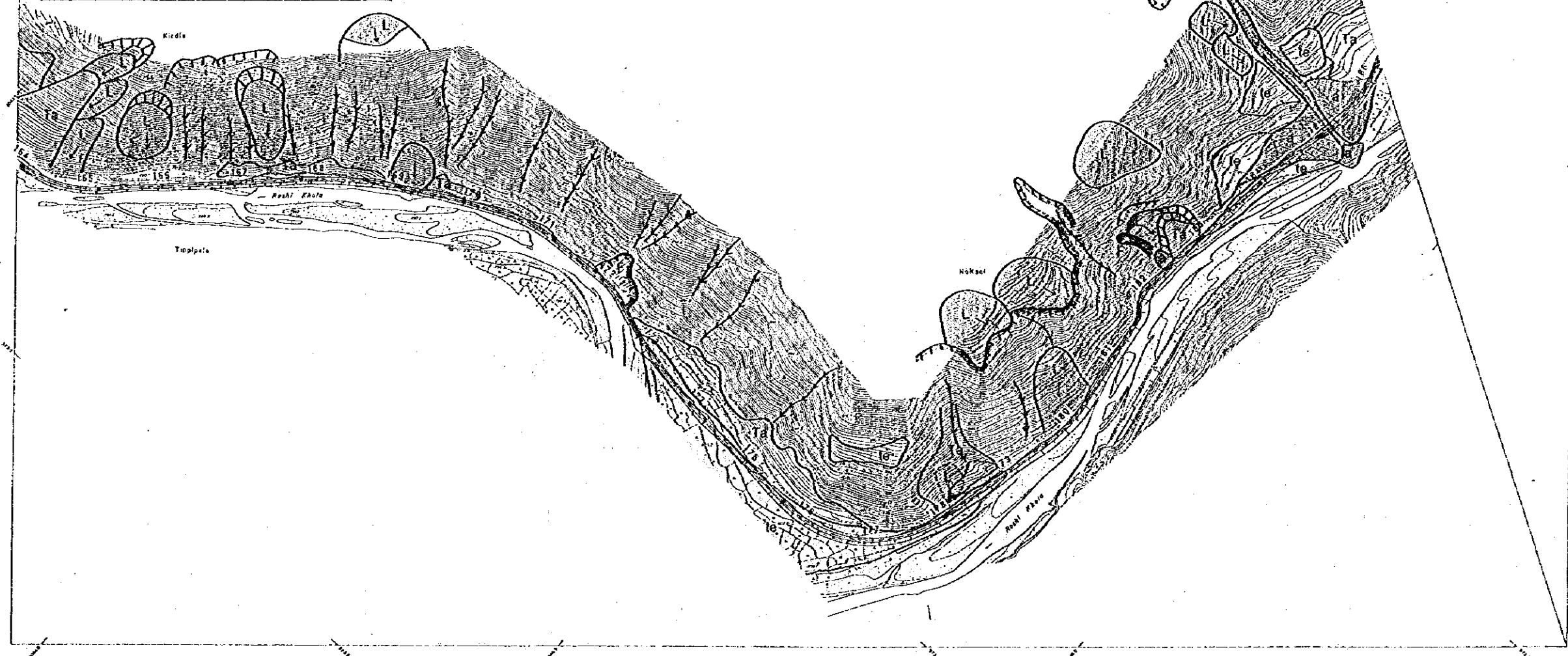
6. THE MAP IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS PREPARED.

7. THE MAP IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS PREPARED.

8. THE MAP IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS PREPARED.

9. THE MAP IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS PREPARED.

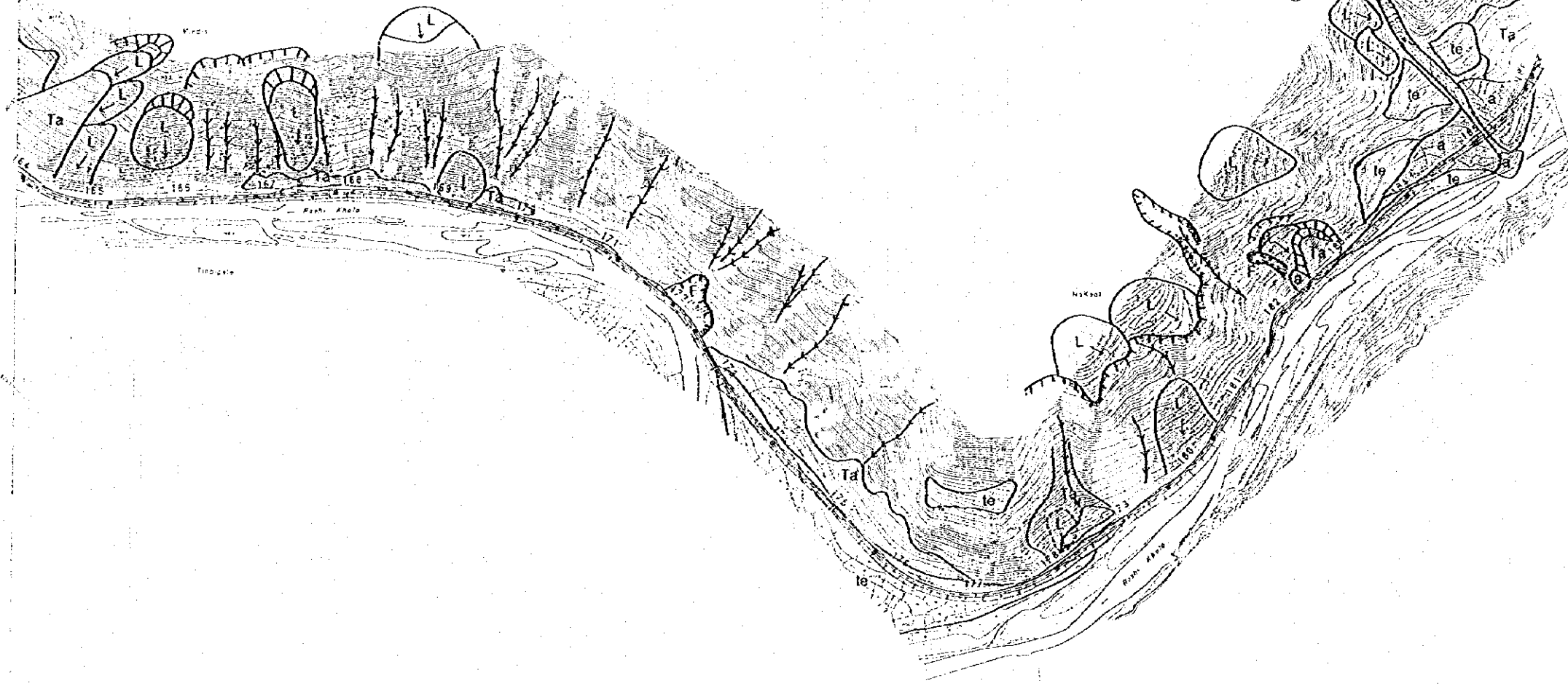
10. THE MAP IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS PREPARED.



Sindhuli Road Construction Project
 (Section II-3 (Nepal) Thok-Dhulikel)
 Hazard Map(9/22)
 STA.164+00~STA.166+20

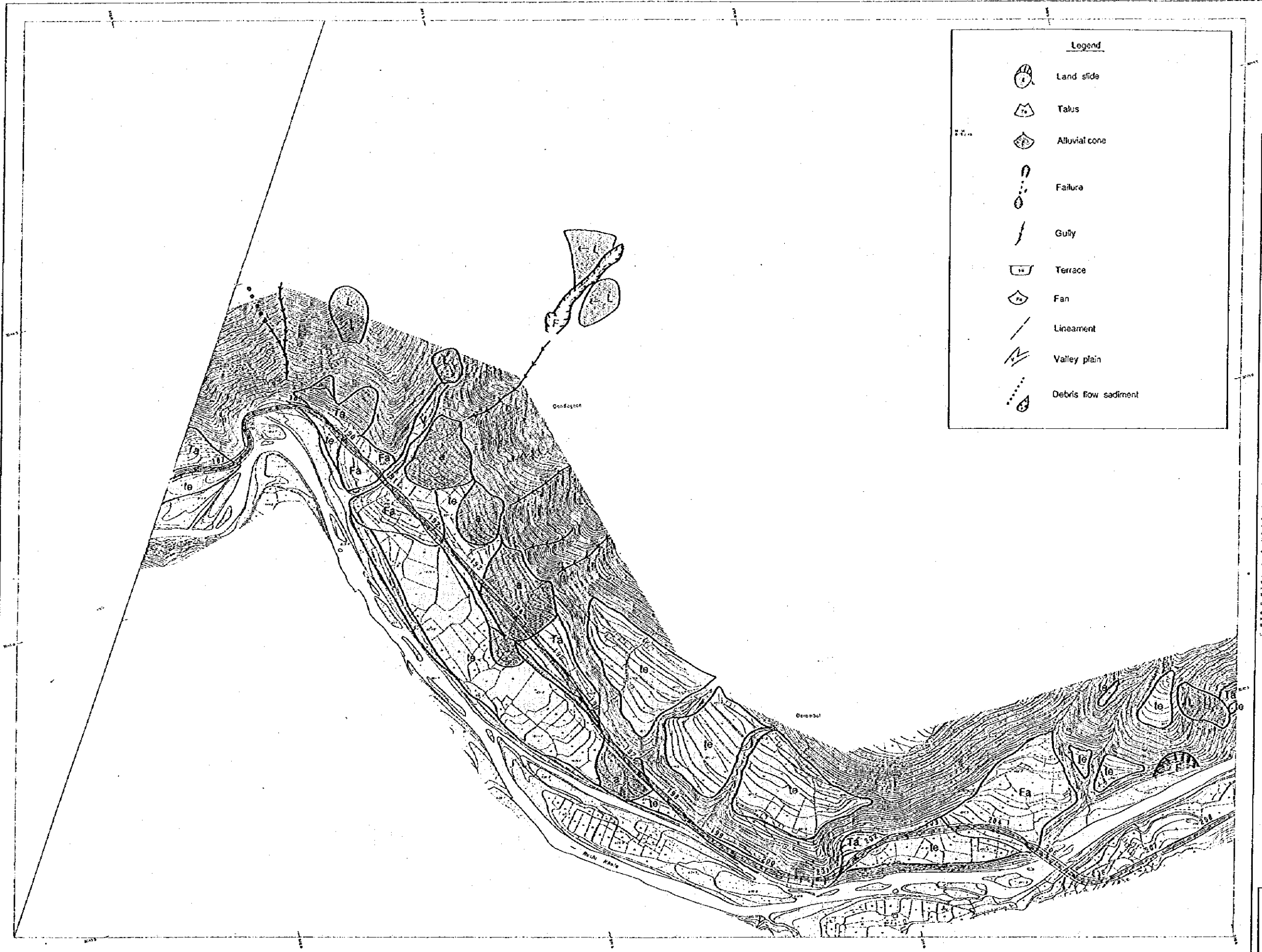
Legend

- Land slide
- Talus
- Alluvial cone
- Failure
- Gully
- Terrace
- Fan
- Lineament
- Valley plain
- Debris flow sediment



NO.	DESCRIPTION	DATE
1
2
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SINDHULI ROAD CONSTRUCTION PROJECT



Legend

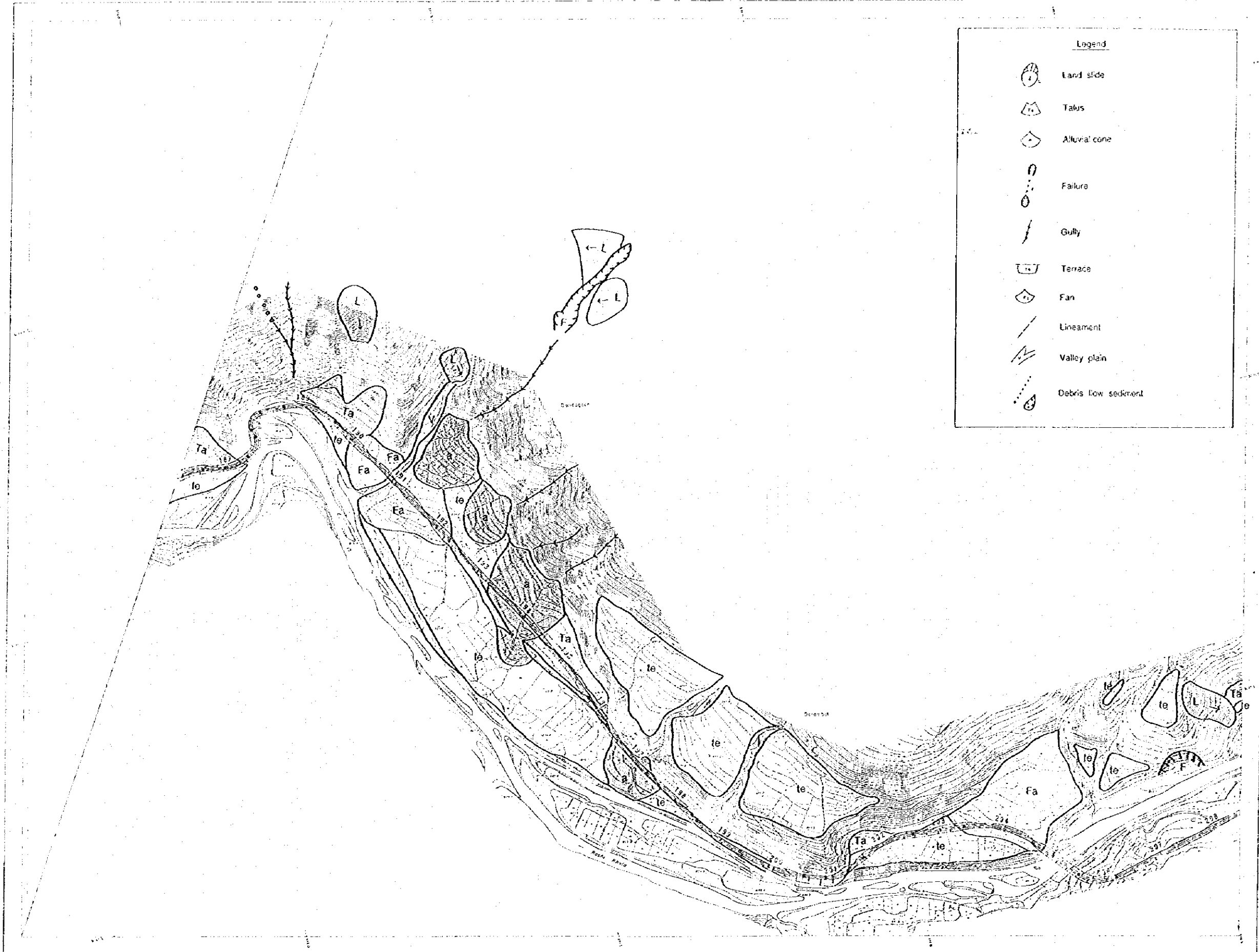
- Land slide
- Talus
- Alluvial cone
- Failure
- Gully
- Terrace
- Fan
- Lineament
- Valley plain
- Debris flow sediment

TOPOGRAPHICAL SHEET NO. 10101
 1:50,000
 Scale
 1:100,000
 1:200,000
 1:500,000
 1:1,000,000
 1:2,000,000
 1:5,000,000
 1:10,000,000
 1:20,000,000
 1:50,000,000
 1:100,000,000
 1:200,000,000
 1:500,000,000
 1:1,000,000,000

NOTATION

- 1:1000
- 1:2000
- 1:5000
- 1:10000
- 1:25000
- 1:50000
- 1:100000
- 1:200000
- 1:500000
- 1:1000000
- 1:2000000
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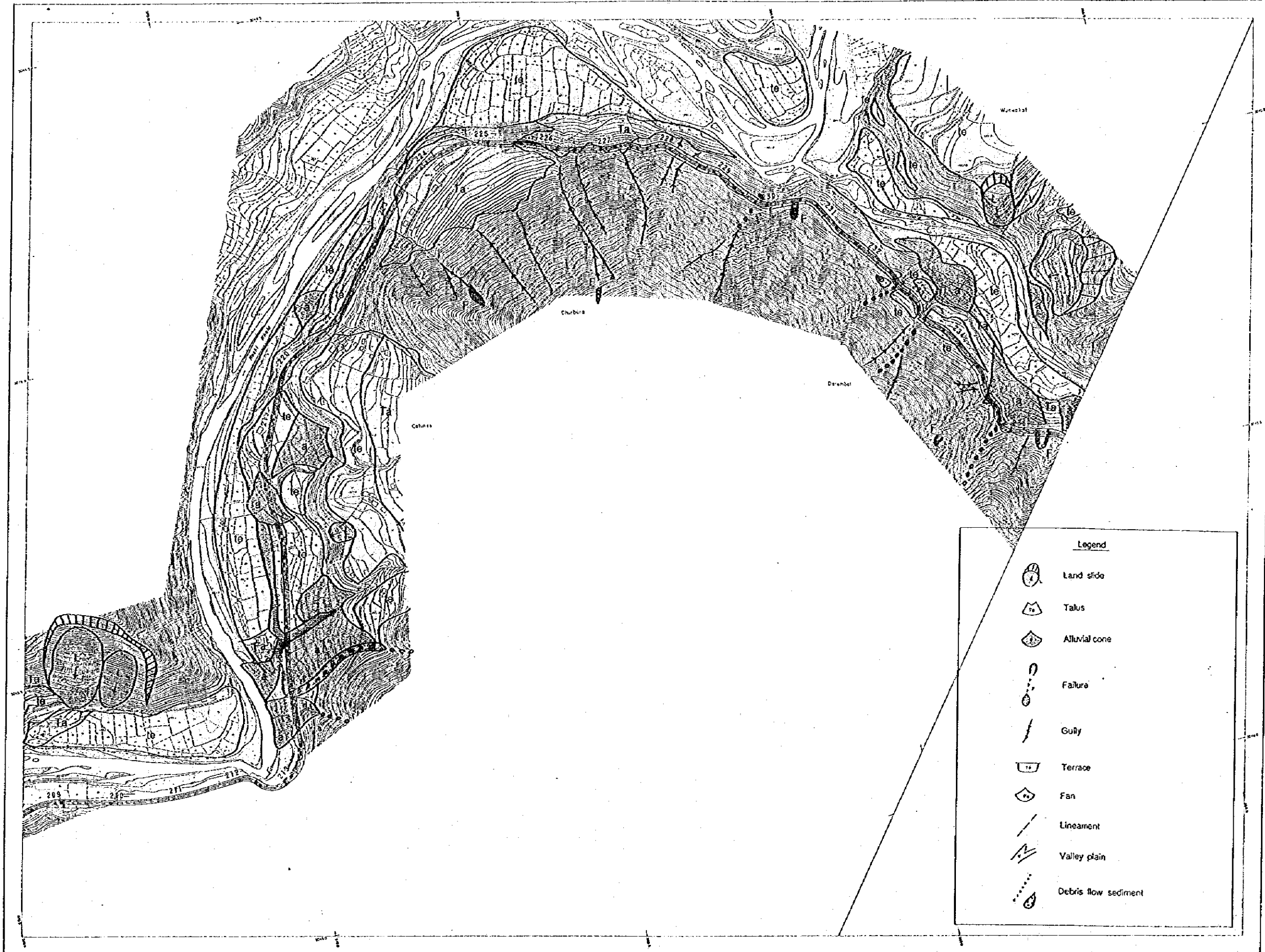
SINDHULI ROAD CONSTRUCTION PROJECT



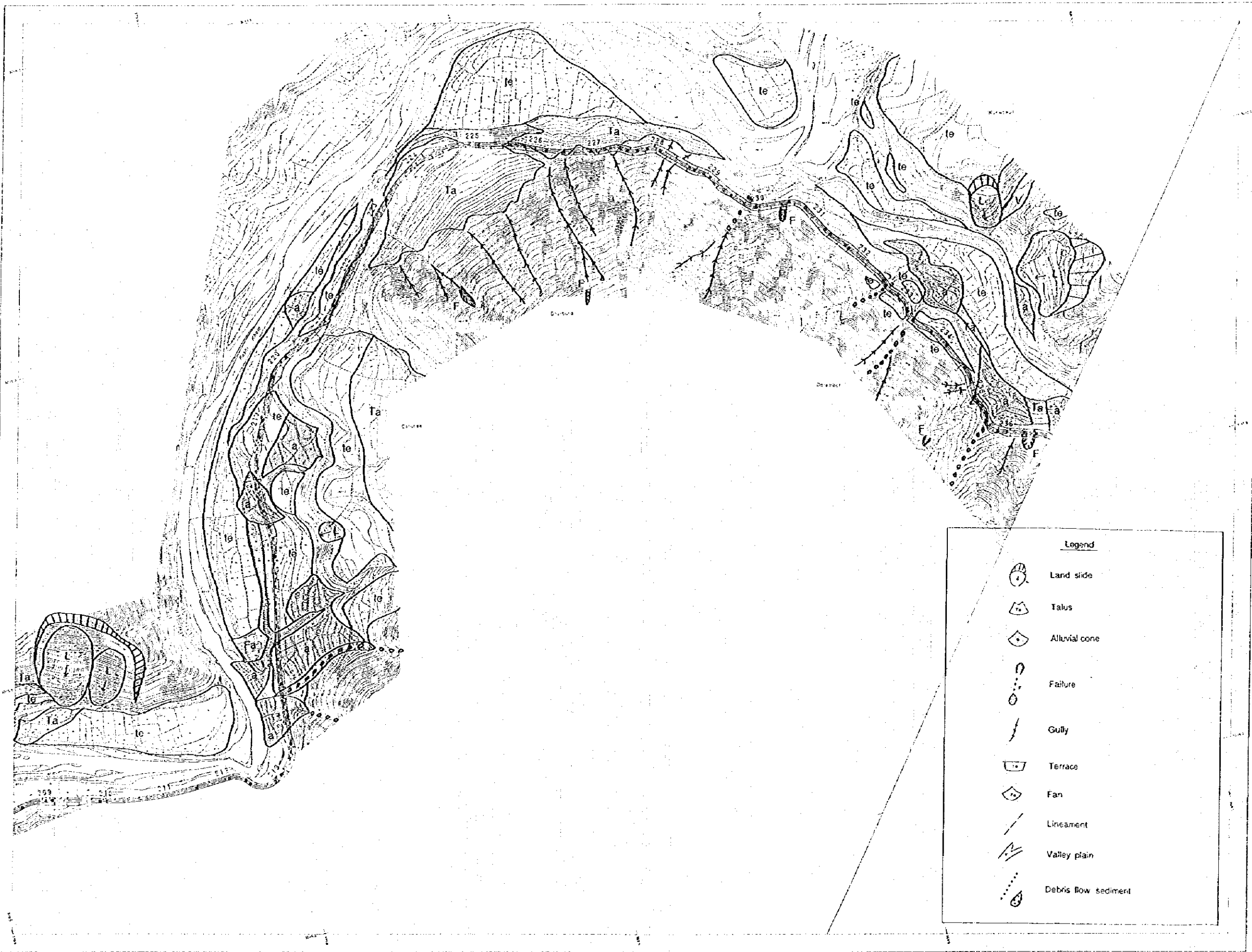
Legend	
	Land slide
	Talus
	Alluvial cone
	Failure
	Gully
	Terrace
	Fan
	Lineament
	Valley plain
	Debris flow sediment

Sindhuli Road Construction Project
 (Section II-3 Nepal Thok Dhulikel)
 Hazard Map (10/22)
 STA 186+20 - STA 208+50

SINDHULI ROAD CONSTRUCTION PROJECT



Sindhuli Road Construction Project
 (Section II-3 Nepal Thok-Dhulke)
 Hazard Map(11/22)
 STA 208+50--STA 236+75



Sindhuli Road Construction Project
 (Section II-3 Nepal Thok-Dhulike)
 Hazard Map(11/22)
 STA 208+50~STA 236+75

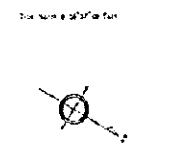
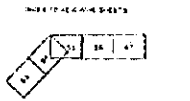
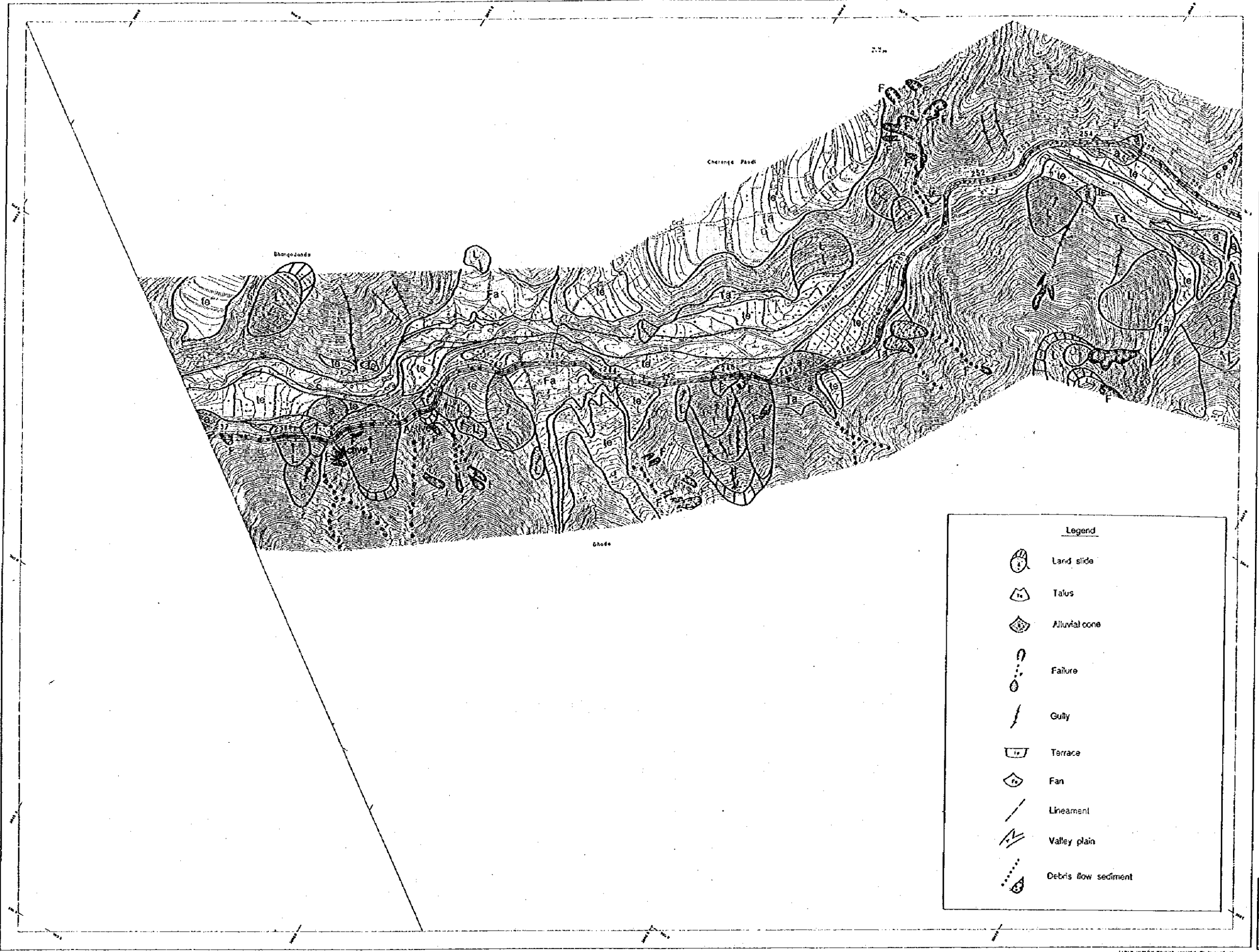
DEPARTMENT OF HIGHWAYS, MINISTRY OF PUBLIC WORKS AND TRANSPORT
 NOT REPRODUCED WITHOUT PERMISSION

NOTATION
 1:2000
 1:2000
 1:2000
 1:2000

1:2000

SINDHULI ROAD CONSTRUCTION PROJECT

SINDHULI ROAD CONSTRUCTION PROJECT

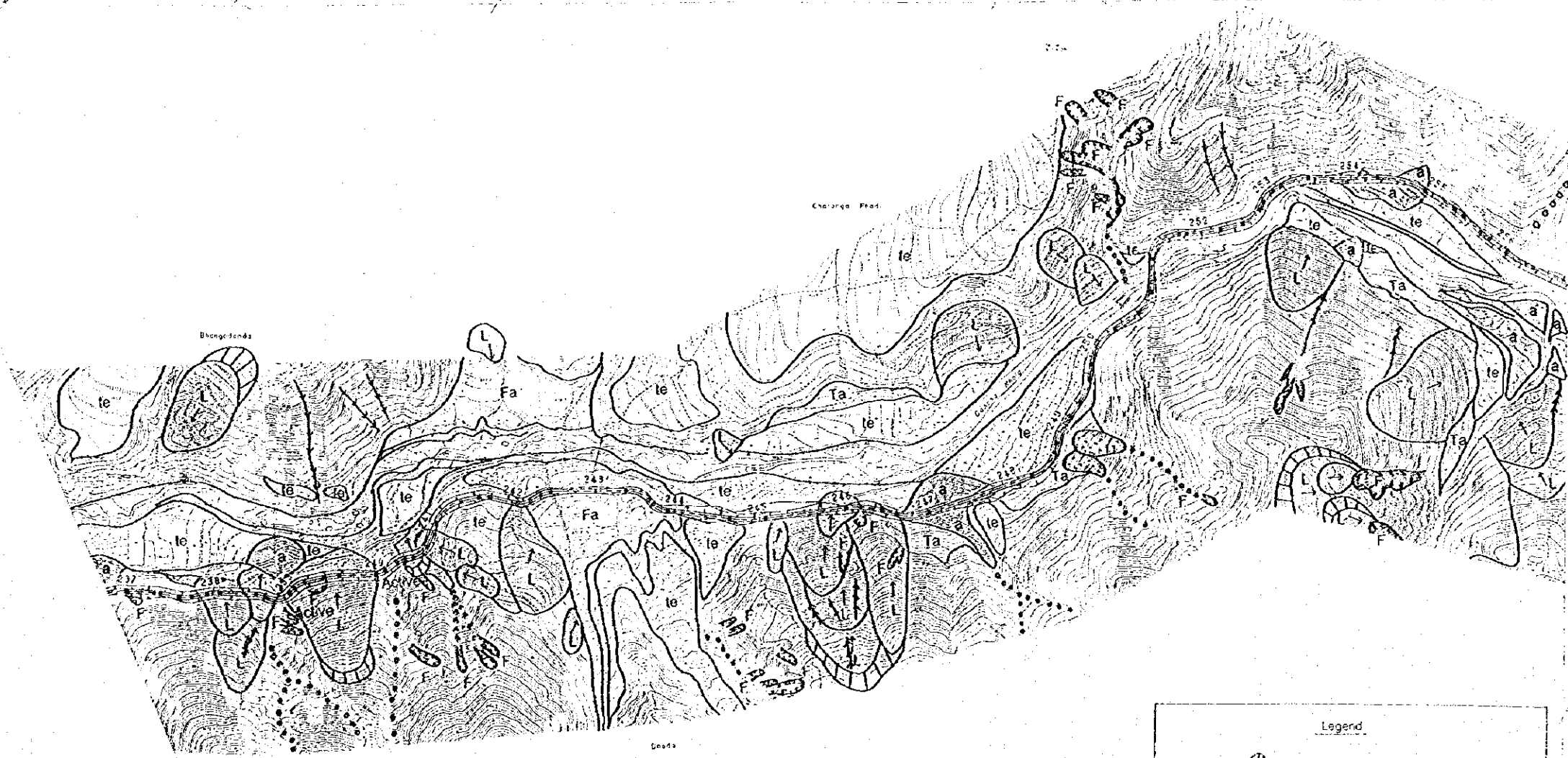


SYMBOL	DESCRIPTION
[Symbol]	PROPOSED TRAIL STATION
[Symbol]	PROPOSED ROAD
[Symbol]	EXISTING ROAD
[Symbol]	EXISTING TRAIL
[Symbol]	EXISTING BRIDGE
[Symbol]	EXISTING TUNNEL
[Symbol]	EXISTING DAM
[Symbol]	EXISTING CANAL
[Symbol]	EXISTING FENCE
[Symbol]	EXISTING WALL
[Symbol]	EXISTING POLE
[Symbol]	EXISTING TELEPHONE
[Symbol]	EXISTING POWER LINE
[Symbol]	EXISTING WATER PIPE
[Symbol]	EXISTING DRAINAGE
[Symbol]	EXISTING DITCH
[Symbol]	EXISTING TRENCH
[Symbol]	EXISTING GULLY
[Symbol]	EXISTING TERRACE
[Symbol]	EXISTING FAN
[Symbol]	EXISTING LINEAMENT
[Symbol]	EXISTING VALLEY PLAIN
[Symbol]	EXISTING DEBRIS FLOW SEDIMENT











Legend

- [Symbol] Land slide
- [Symbol] Talus
- [Symbol] Alluvial cone
- [Symbol] Failure
- [Symbol] Gully
- [Symbol] Terrace
- [Symbol] Fan
- [Symbol] Lineament
- [Symbol] Valley plain
- [Symbol] Debris flow sediment

SINDHULI ROAD CONSTRUCTION PROJECT

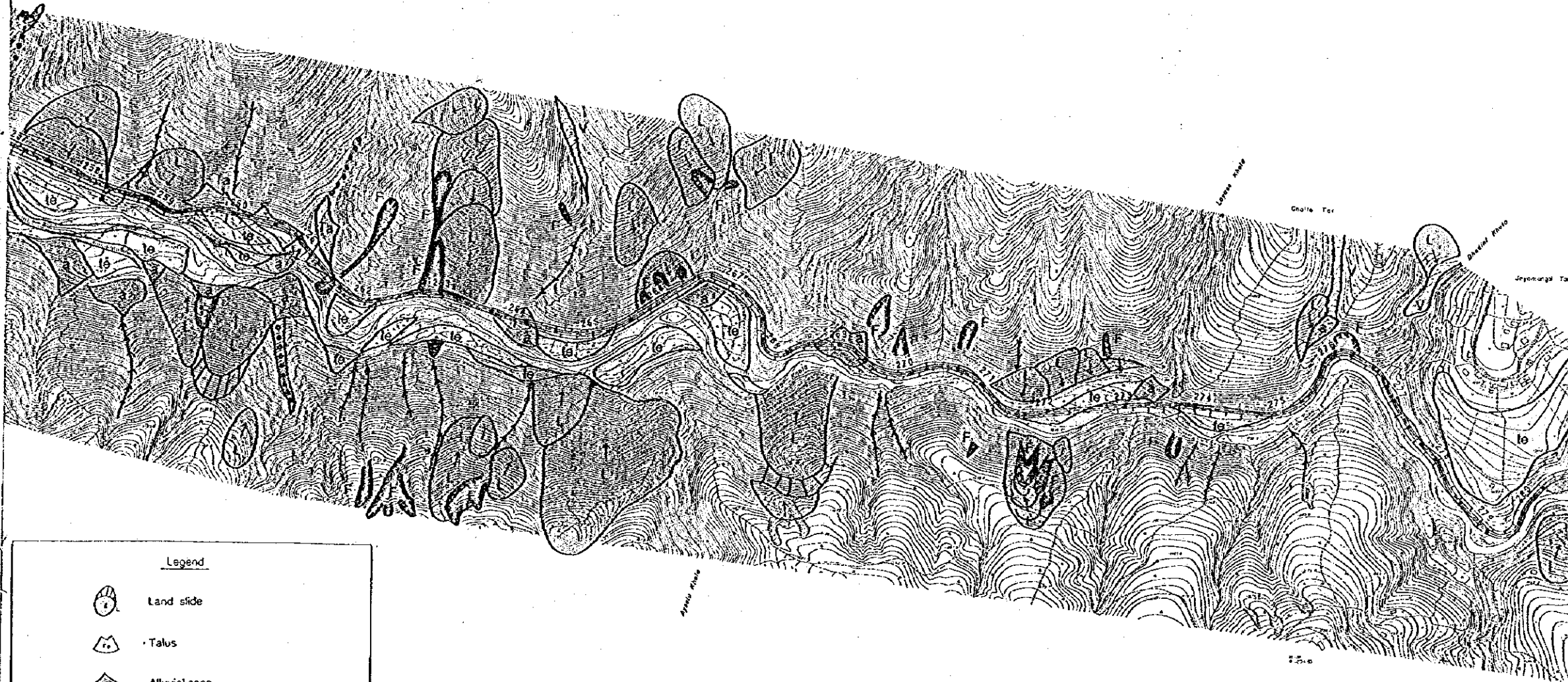


Legend

-  Land slide
-  Talus
-  Alluvial cone
-  Failure
-  Gully
-  Terrace
-  Fan
-  Lineament
-  Valley plain
-  Detritus low sediment

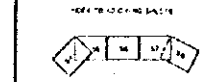
Sindhuli Road Construction Project
 (Section II-3 Nepal Thok-Dhulka)
 Hazard Map (1:222)
 STA 235+75 ~ STA 256+85

SINDHULI ROAD CONSTRUCTION PROJECT



Legend

- Land slide
- Talus
- Alluvial cone
- Failure
- Gully
- Terrace
- Fan
- Lineament
- Valley plain
- Debris flow sediment



SYMBOLS	
	ROAD
	DRAINAGE
	CONTOUR LINES
	SPOT HEIGHTS
	BOUNDARY
	FENCE
	WELL
	STRUCTURE
	VEGETATION
	WATER BODY
	EMBANKMENT
	CUT
	BRIDGE
	TUNNEL
	ROCKFALL
	DEBRIS FLOW
	LANDSLIDE
	TALUS
	ALLUVIAL CONE
	FAILURE
	GULLY
	TERRACE
	FAN
	LINEAMENT
	VALLEY PLAIN
	DEBRIS FLOW SEDIMENT

SINDHULI ROAD CONSTRUCTION PROJECT

Sindhuli Road Construction Project
 (Section II-3 Nepal Thok-Dhulikel)
 Hazard Map (13/22)
 STA.256+85~STA.280+70

