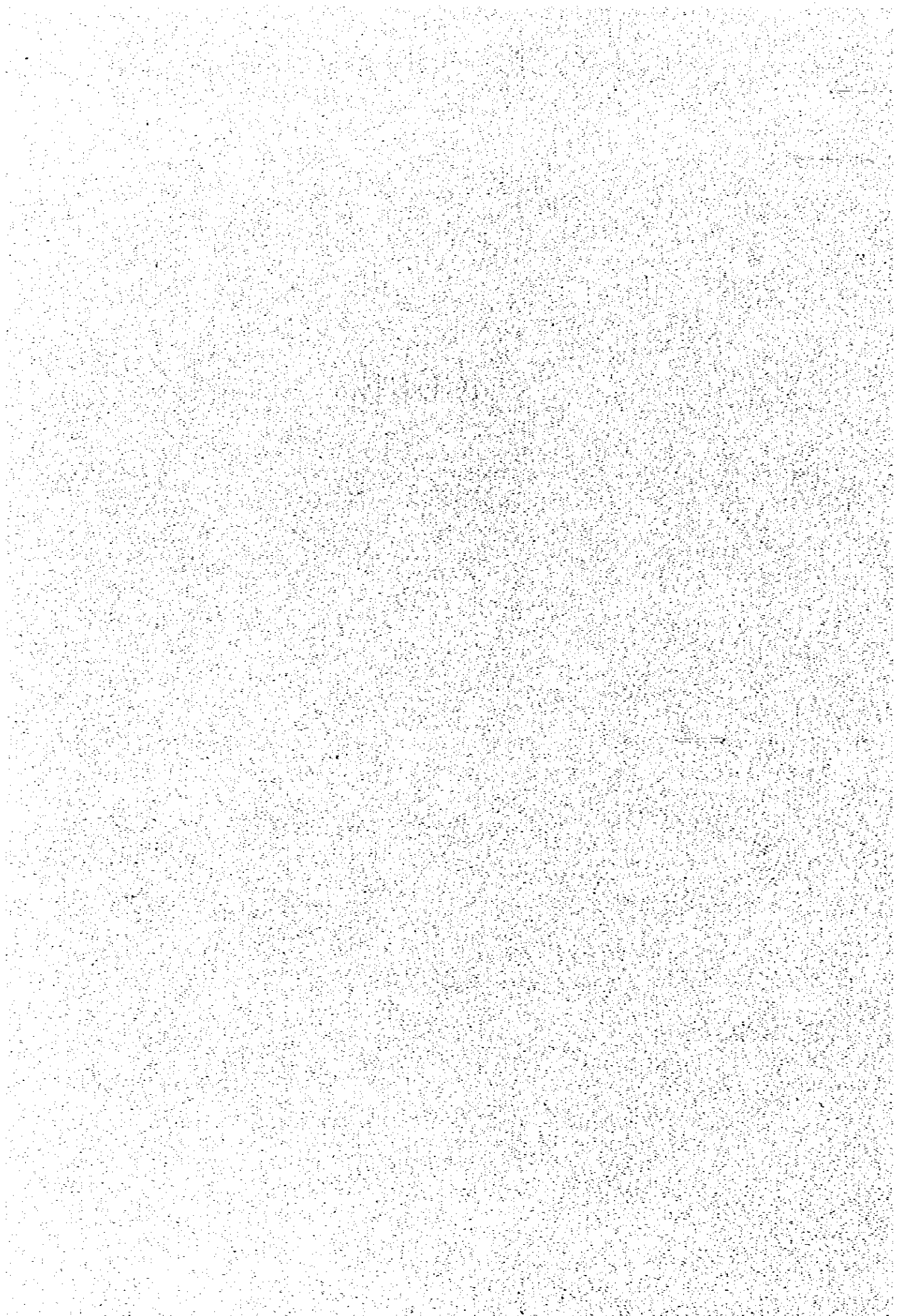


FIGURES

第 1 卷

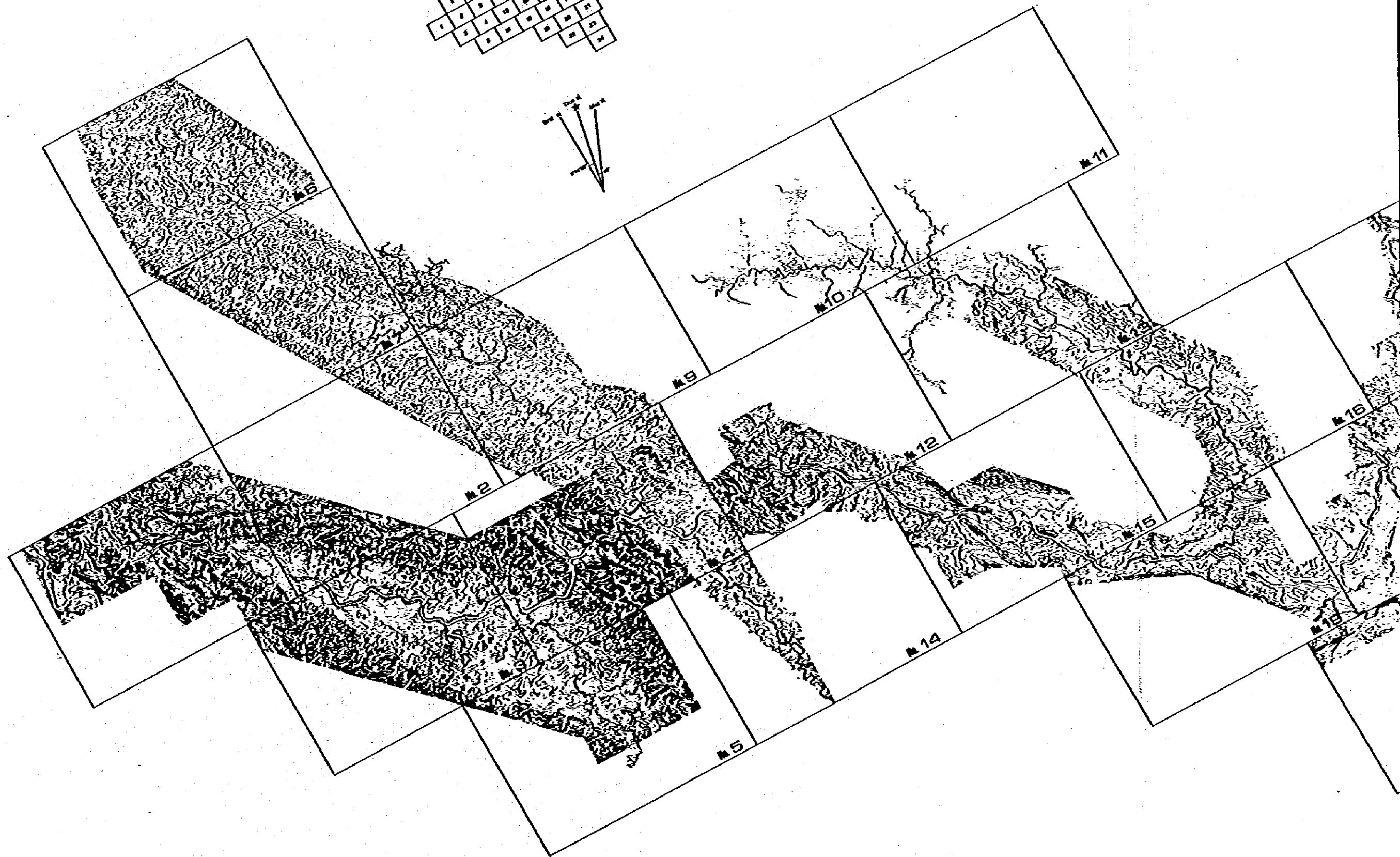
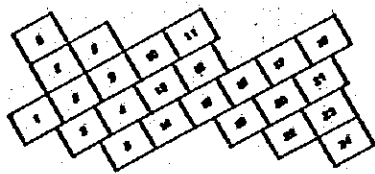


## List of Figures

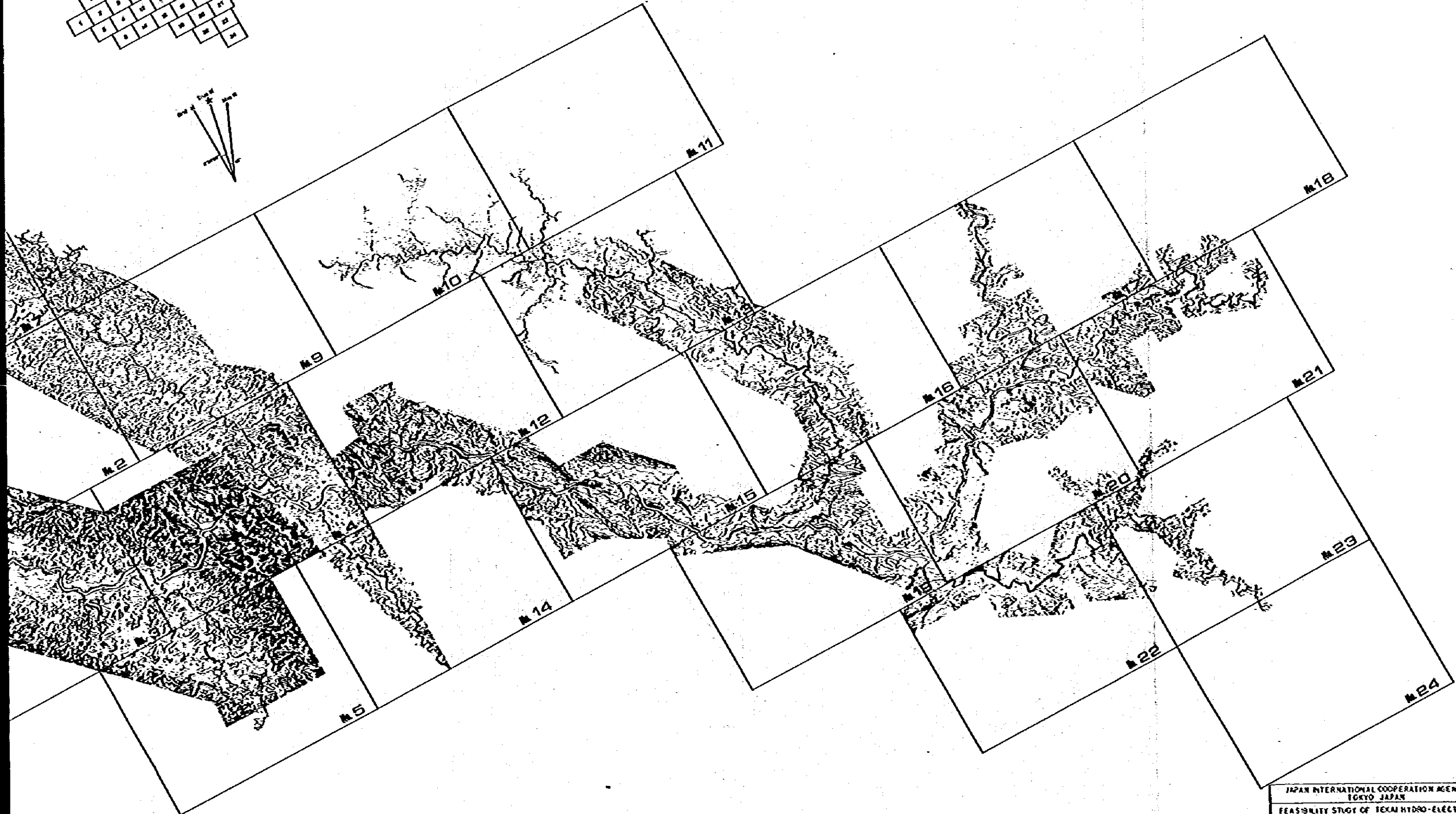
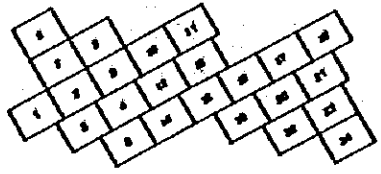
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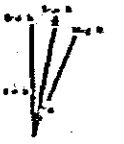
JAPAN INTERNATIONAL COOPERATION AGENCY  
TOKYO JAPAN  
FEASIBILITY STUDY OF TEXAN HYDRO-ELECTRIC  
INDEX OF AERIAL PHOTO MAP

FIGURE 2-1



TEKAI HYDRO-ELECTRIC POWER DEVELOPMENT PROJECT

UPPER-DAM



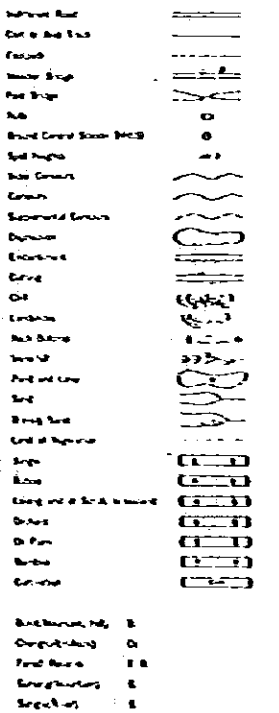
North Arrow 1:50,000

PROJECTION

Universal Transverse Mercator Projection  
Zone - 48N

GPD

Geoid Mean Orthometric  
Origin - 11.482 85 E of Greenwich  
Coordinate of Origin - 47° 50' 00" N, 112° 43' 00" E



第 II 地形图 共通

Scale 1:50,000  
North Arrow 1:50,000

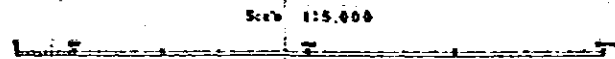


FIGURE 2-2

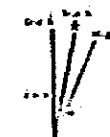
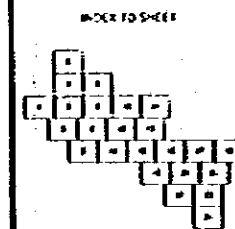
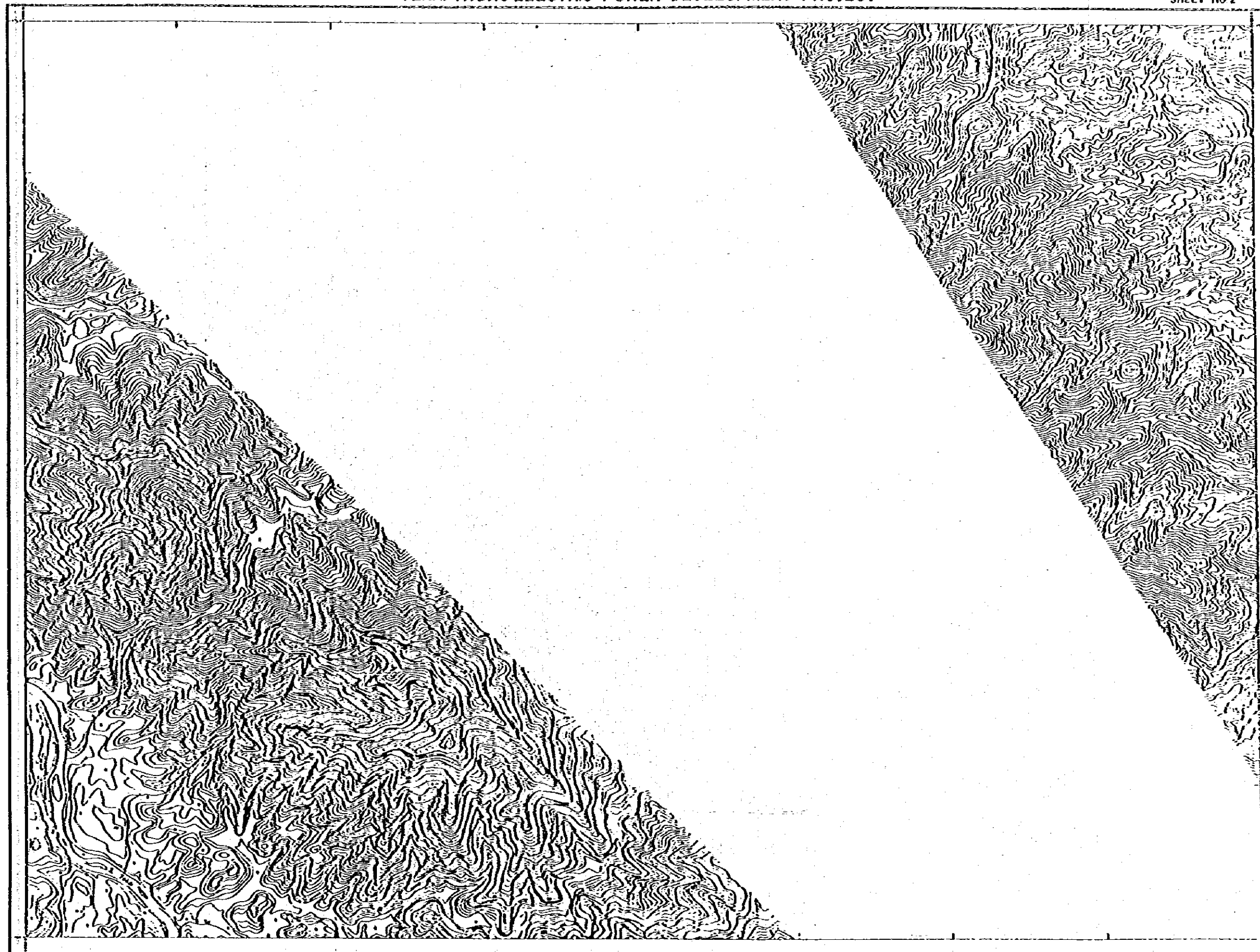






TEKAI HYDRO-ELECTRIC POWER DEVELOPMENT PROJECT

SHEET NO 2



Height Contours 1:25

PROJECTION  
Map of National Survey of the Province  
Survey - 1:50,000

G.D.  
National Survey of the Province  
Scale - 1:50,000  
Coordinates of Origin - 472 000 Easting  
482 400 Northing

Contours	—
Contours - 10m	—
Contours - 20m	—
Contours - 30m	—
Contours - 40m	—
Contours - 50m	—
Contours - 60m	—
Contours - 70m	—
Contours - 80m	—
Contours - 90m	—
Contours - 100m	—
Contours - 110m	—
Contours - 120m	—
Contours - 130m	—
Contours - 140m	—
Contours - 150m	—
Contours - 160m	—
Contours - 170m	—
Contours - 180m	—
Contours - 190m	—
Contours - 200m	—
Contours - 210m	—
Contours - 220m	—
Contours - 230m	—
Contours - 240m	—
Contours - 250m	—
Contours - 260m	—
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Contours - 290m	—
Contours - 300m	—
Contours - 310m	—
Contours - 320m	—
Contours - 330m	—
Contours - 340m	—
Contours - 350m	—
Contours - 360m	—
Contours - 370m	—
Contours - 380m	—
Contours - 390m	—
Contours - 400m	—
Contours - 410m	—
Contours - 420m	—
Contours - 430m	—
Contours - 440m	—
Contours - 450m	—
Contours - 460m	—
Contours - 470m	—
Contours - 480m	—
Contours - 490m	—
Contours - 500m	—
Contours - 510m	—
Contours - 520m	—
Contours - 530m	—
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Contours - 610m	—
Contours - 620m	—
Contours - 630m	—
Contours - 640m	—
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Contours - 660m	—
Contours - 670m	—
Contours - 680m	—
Contours - 690m	—
Contours - 700m	—
Contours - 710m	—
Contours - 720m	—
Contours - 730m	—
Contours - 740m	—
Contours - 750m	—
Contours - 760m	—
Contours - 770m	—
Contours - 780m	—
Contours - 790m	—
Contours - 800m	—
Contours - 810m	—
Contours - 820m	—
Contours - 830m	—
Contours - 840m	—
Contours - 850m	—
Contours - 860m	—
Contours - 870m	—
Contours - 880m	—
Contours - 890m	—
Contours - 900m	—
Contours - 910m	—
Contours - 920m	—
Contours - 930m	—
Contours - 940m	—
Contours - 950m	—
Contours - 960m	—
Contours - 970m	—
Contours - 980m	—
Contours - 990m	—
Contours - 1000m	—
Contours - 1010m	—
Contours - 1020m	—
Contours - 1030m	—
Contours - 1040m	—
Contours - 1050m	—
Contours - 1060m	—
Contours - 1070m	—
Contours - 1080m	—
Contours - 1090m	—
Contours - 1100m	—
Contours - 1110m	—
Contours - 1120m	—
Contours - 1130m	—
Contours - 1140m	—
Contours - 1150m	—
Contours - 1160m	—
Contours - 1170m	—
Contours - 1180m	—
Contours - 1190m	—
Contours - 1200m	—
Contours - 1210m	—
Contours - 1220m	—
Contours - 1230m	—
Contours - 1240m	—
Contours - 1250m	—
Contours - 1260m	—
Contours - 1270m	—
Contours - 1280m	—
Contours - 1290m	—
Contours - 1300m	—
Contours - 1310m	—
Contours - 1320m	—
Contours - 1330m	—
Contours - 1340m	—
Contours - 1350m	—
Contours - 1360m	—
Contours - 1370m	—
Contours - 1380m	—
Contours - 1390m	—
Contours - 1400m	—
Contours - 1410m	—
Contours - 1420m	—
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Contours - 1450m	—
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Contours - 1490m	—
Contours - 1500m	—
Contours - 1510m	—
Contours - 1520m	—
Contours - 1530m	—
Contours - 1540m	—
Contours - 1550m	—
Contours - 1560m	—
Contours - 1570m	—
Contours - 1580m	—
Contours - 1590m	—
Contours - 1600m	—
Contours - 1610m	—
Contours - 1620m	—
Contours - 1630m	—
Contours - 1640m	—
Contours - 1650m	—
Contours - 1660m	—
Contours - 1670m	—
Contours - 1680m	—
Contours - 1690m	—
Contours - 1700m	—
Contours - 1710m	—
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Contours - 1730m	—
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Contours - 1760m	—
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Contours - 1780m	—
Contours - 1790m	—
Contours - 1800m	—
Contours - 1810m	—
Contours - 1820m	—
Contours - 1830m	—
Contours - 1840m	—
Contours - 1850m	—
Contours - 1860m	—
Contours - 1870m	—
Contours - 1880m	—
Contours - 1890m	—
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Contours - 1910m	—
Contours - 1920m	—
Contours - 1930m	—
Contours - 1940m	—
Contours - 1950m	—
Contours - 1960m	—
Contours - 1970m	—
Contours - 1980m	—
Contours - 1990m	—
Contours - 2000m	—
Contours - 2010m	—
Contours - 2020m	—
Contours - 2030m	—
Contours - 2040m	—
Contours - 2050m	—
Contours - 2060m	—
Contours - 2070m	—
Contours - 2080m	—
Contours - 2090m	—
Contours - 2100m	—
Contours - 2110m	—
Contours - 2120m	—
Contours - 2130m	—
Contours - 2140m	—
Contours - 2150m	—
Contours - 2160m	—
Contours - 2170m	—
Contours - 2180m	—
Contours - 2190m	—
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Contours - 2230m	—
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Contours - 2260m	—
Contours - 2270m	—
Contours - 2280m	—
Contours - 2290m	—
Contours - 2300m	—
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Contours - 2350m	—
Contours - 2360m	—
Contours - 2370m	—
Contours - 2380m	—
Contours - 2390m	—
Contours - 2400m	—
Contours - 2410m	—
Contours - 2420m	—
Contours - 2430m	—
Contours - 2440m	—
Contours - 2450m	—
Contours - 2460m	—
Contours - 2470m	—
Contours - 2480m	—
Contours - 2490m	—
Contours - 2500m	—
Contours - 2510m	—
Contours - 2520m	—
Contours - 2530m	—
Contours - 2540m	—
Contours - 2550m	—
Contours - 2560m	—
Contours - 2570m	—
Contours - 2580m	—
Contours - 2590m	—
Contours - 2600m	—
Contours - 2610m	—
Contours - 2620m	—
Contours - 2630m	—
Contours - 2640m	—
Contours - 2650m	—
Contours - 2660m	—
Contours - 2670m	—
Contours - 2680m	—
Contours - 2690m	—
Contours - 2700m	—
Contours - 2710m	—
Contours - 2720m	—
Contours - 2730m	—
Contours - 2740m	—
Contours - 2750m	—
Contours - 2760m	—
Contours - 2770m	—
Contours - 2780m	—
Contours - 2790m	—
Contours - 2800m	—
Contours - 2810m	—
Contours - 2820m	—
Contours - 2830m	—
Contours - 2840m	—
Contours - 2850m	—
Contours - 2860m	—
Contours - 2870m	—
Contours - 2880m	—
Contours - 2890m	—
Contours - 2900m	—
Contours - 2910m	—
Contours - 2920m	—
Contours - 2930m	—
Contours - 2940m	—
Contours - 2950m	—
Contours - 2960m	—
Contours - 2970m	—
Contours - 2980m	—
Contours - 2990m	—
Contours - 3000m	—

SHEET HISTORY  
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Based on Photographs by the Ministry of Land, Infrastructure and Transport  
Printed under license by JICA INTERNATIONAL COOPERATION AGENCY

Scale 1:10,000



Height of Bench Mark 100.00m  
G.D.M. 100.00m  
100.00m  
100.00m

FIGURE 2-5

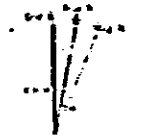
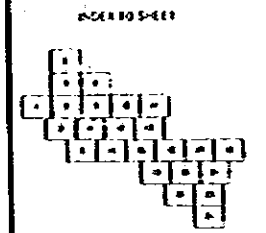
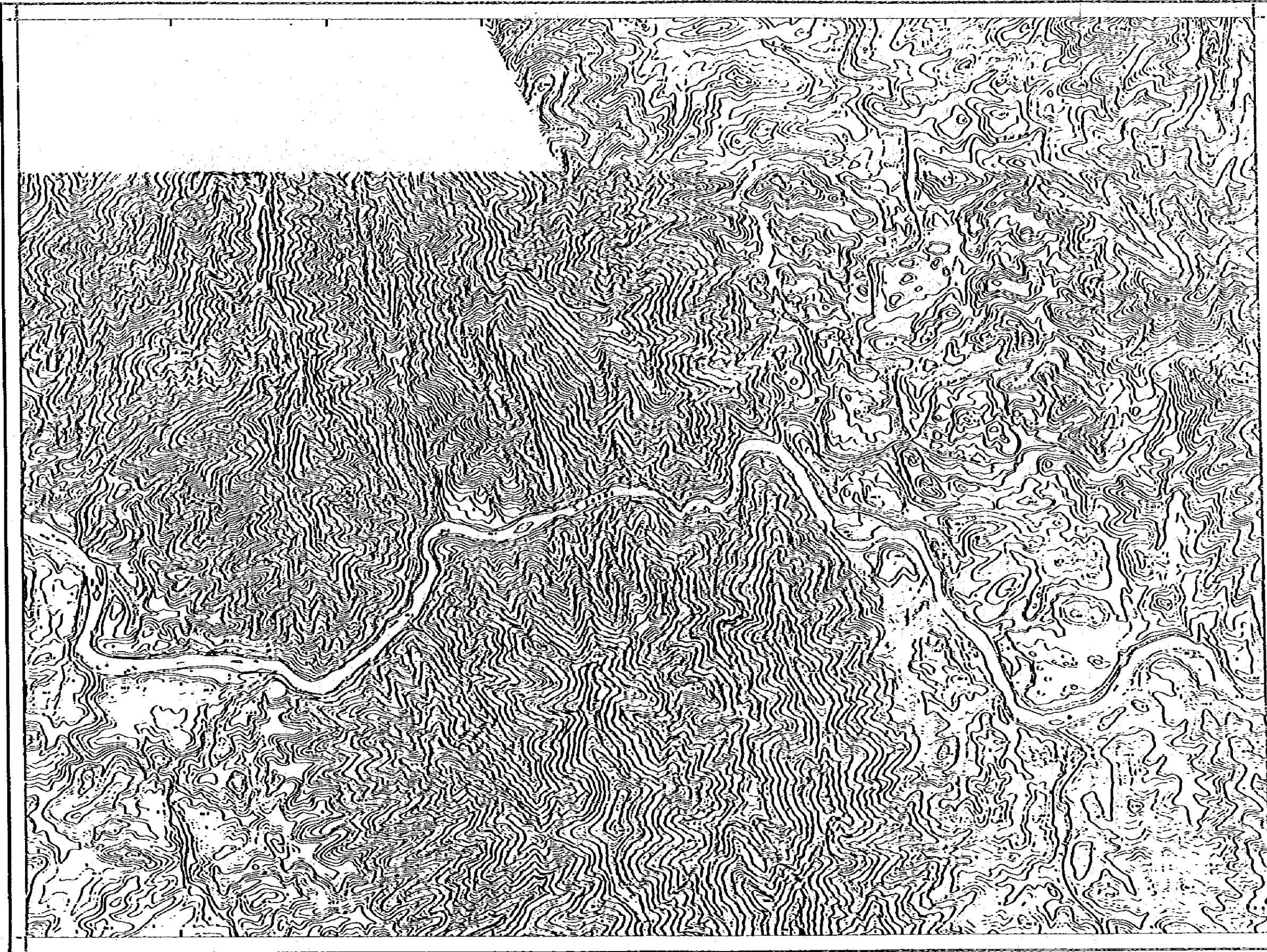
第二卷 附图





# TEKAI HYDRO-ELECTRIC POWER DEVELOPMENT PROJECT

SHEET NO. 4



Map Scale: 1:50,000

PROJECTION  
 UTM Zone 48N  
 Spheroid: Everest  
 Datum: Everest

G.P.D.  
 National Grid  
 Origin: 13° 30' N, 86° 30' E  
 Central Meridian: 86° 30' E  
 False Easting: 500,000 m

Contour Interval	20 meters
Contour Line	Thin solid line
Spot Height	Small circle with number
Water	Blue wavy lines
Stream	Blue line with arrows
Road	Double line
Railway	Line with cross-ticks
Boundary	Dashed line
Settlement	Cluster of small squares
Field	Small squares with diagonal lines
Forest	Small circles with dots
Barren	Small circles with dots
Waterfall	Line with perpendicular dashes
Well	Circle with cross
Ditch	Line with perpendicular dashes
Drainage	Line with perpendicular dashes
Canal	Line with perpendicular dashes
Power Line	Line with cross-ticks
Telephone Line	Line with cross-ticks
Electricity	Line with cross-ticks
Electricity	Line with cross-ticks
Electricity	Line with cross-ticks
Electricity	Line with cross-ticks
Electricity	Line with cross-ticks

第 II 卷 共 5 幅

SHEET HISTORY  
 Prepared by AND P. L. THORNTON, EXPLORE AND RECONNAISSANCE  
 AND PHOTOGRAPHY SECTION, B.S.P.A. (1955)  
 Based on Survey by AND P. L. THORNTON, EXPLORE AND RECONNAISSANCE

Scale 1:50,000



Page 8 Total 10000000

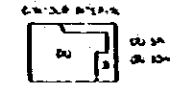


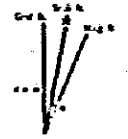
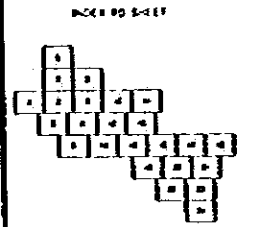
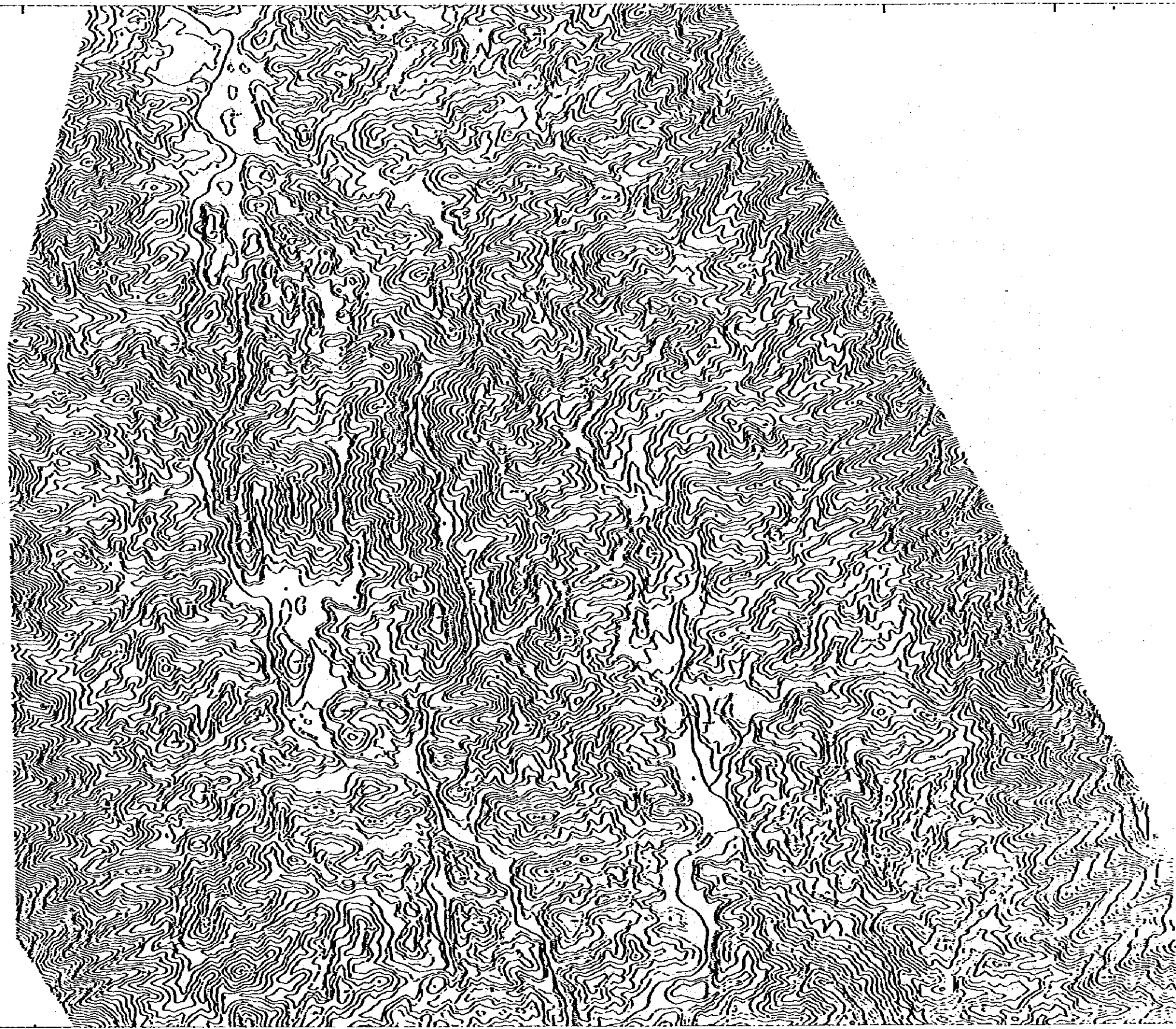
FIGURE 2-7





TEKAI HYDRO-ELECTRIC POWER DEVELOPMENT PROJECT

SHEET NO 6



Graphic Distance 1:100

PROJECTION  
 UTM  
 Zone 48N  
 Datum: Everest  
 Spheroid: Everest  
 Unit: Meter

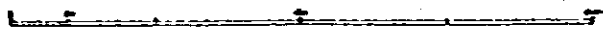
GPD  
 Azimuthal Equal Area  
 Origin: 48° 00' 00" E of Greenwich  
 Central Meridian: 48° 00' 00" E  
 False Easting: 500,000 Meters

Settlement	Symbol
City	Symbol
Town	Symbol
Village	Symbol
Hamlet	Symbol
Island	Symbol
Coastline	Symbol
Breakwater	Symbol
Harbour	Symbol
Bay	Symbol
Peninsula	Symbol
Strait	Symbol
Channel	Symbol
Shoals	Symbol
Reefs	Symbol
Islets	Symbol
Islands	Symbol
Atolls	Symbol
Other	Symbol

第二卷 工程图

SHEET HISTORY  
 Prepared by JICA INTERNATIONAL COOPERATION CENTER  
 And Approved by DEPARTMENT OF WATER RESOURCES  
 Board of Directors by JICA INTERNATIONAL COOPERATION CENTER

Scale 1:10,000



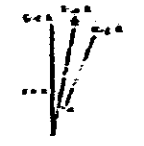
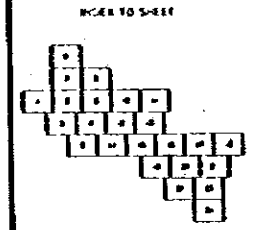
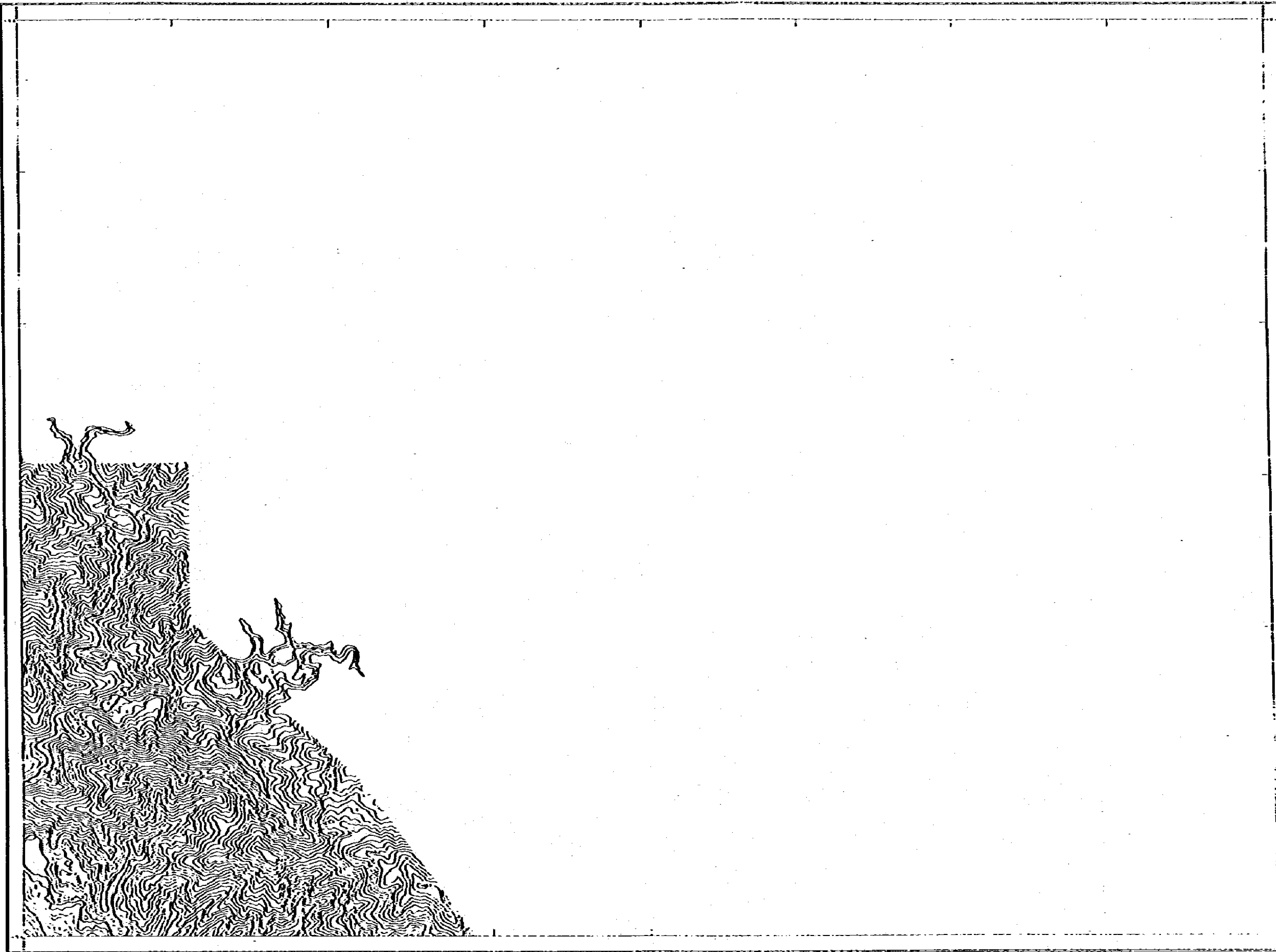
Map & Photo Aerial Photo  
 Contour Interval 10m

FIGURE 2-9



# TEKAI HYDRO-ELECTRIC POWER DEVELOPMENT PROJECT

SHEET NO. 8



August October 1958

**PROJECTION**  
 National Survey of Canada  
 Universal Transverse Mercator - Zone 18

**GRID**  
 National Survey of Canada  
 Datum - 48, 49, 50, 51 E. of Ontario  
 Continuation of Datum - 42, 43, 44, 45 E. of Ontario  
 42 43 44 45

- |                   |     |
|-------------------|-----|
| Water Course      | ——— |
| Canal             | ——— |
| Proposed          | ——— |
| Water Right       | ——— |
| Flood Stage       | ——— |
| Ice               | ——— |
| Gravel Bars       | ——— |
| Silt Deposits     | ——— |
| High Contour      | ——— |
| Contours          | ——— |
| Schematic Contour | ——— |
| Ditch             | ——— |
| Excavation        | ——— |
| Grave             | ——— |
| Dike              | ——— |
| Levee             | ——— |
| Rock Dam          | ——— |
| Wood              | ——— |
| Concrete          | ——— |
| Silt              | ——— |
| Gravel            | ——— |
| End of Section    | ——— |
| High              | ——— |
| Low               | ——— |
| Change of Scale   | ——— |
| Ditch             | ——— |
| Drain             | ——— |
| Buried            | ——— |
| Canal             | ——— |

- |               |   |
|---------------|---|
| Black Square  | ■ |
| Open Square   | □ |
| Open Circle   | ○ |
| Open Triangle | △ |
| Open Diamond  | ◇ |
| Open Star     | ☆ |

第二卷 规划和建设

SHEET HISTORY  
 Prepared by ANA INTERNATIONAL CORPORATION  
 and Published by DEPARTMENT OF LAND SURVEYING  
 and Geomatics Engineering, ANA INTERNATIONAL CORPORATION

Scale 1 : 100,000

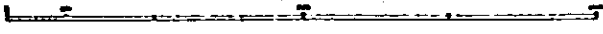


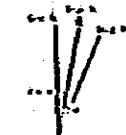
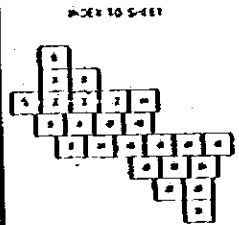
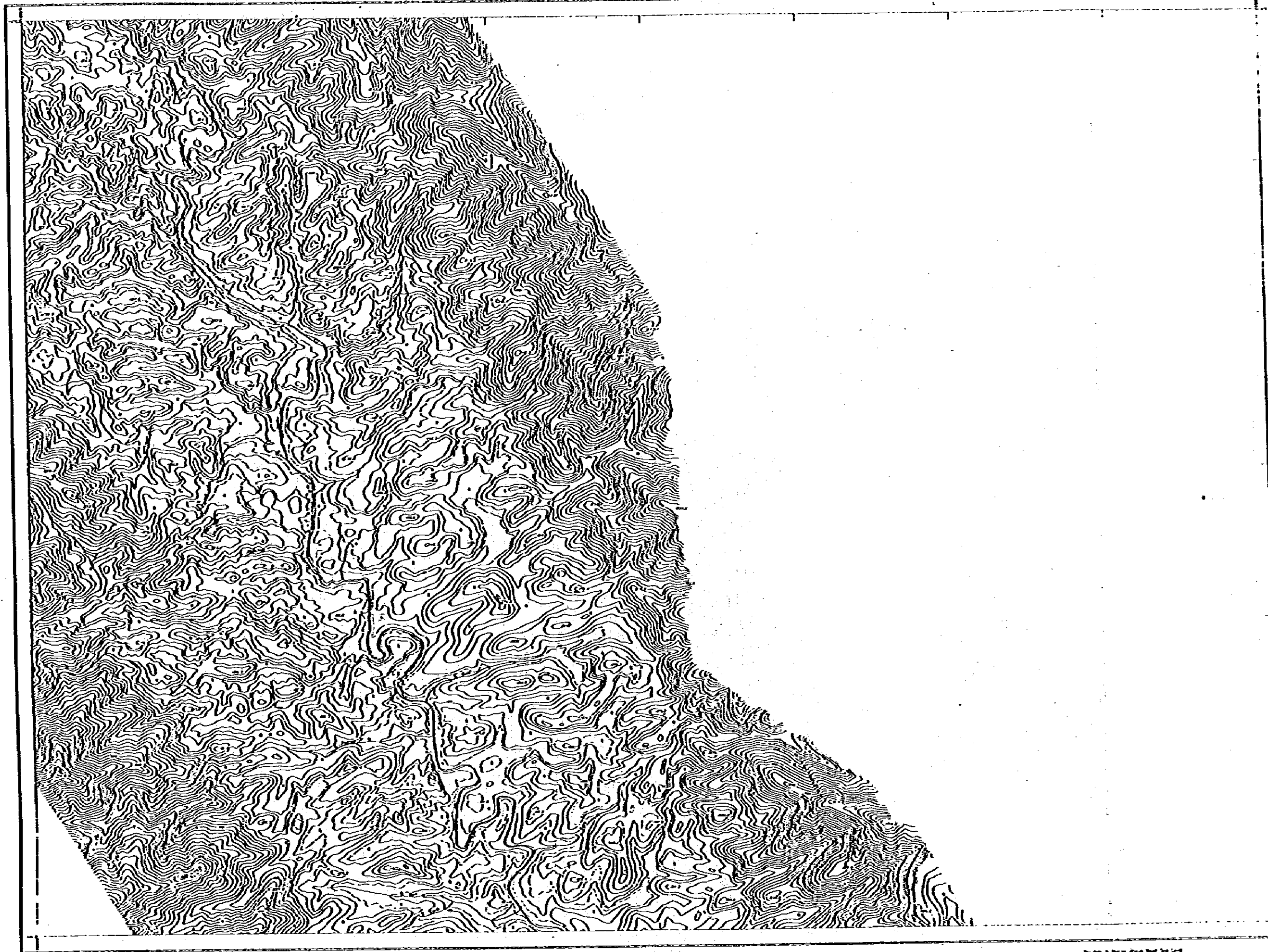
Figure 2-11  
 Contour Map of the Tekai Area

FIGURE 2-11



# TEKAI HYDRO-ELECTRIC POWER DEVELOPMENT PROJECT

SHEET NO 9



Map Scale 1:10,000

**PROJECTION**  
 Map of Natural Size Orthographic Projection  
 Spheroid - Everest

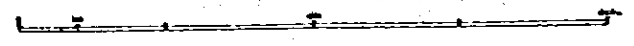
**G.P.D.**  
 Natural Size Orthographic  
 Origin - 4° 34' 15" N, 87° 45' 00" E  
 Constant of Spheroid - 6370 000 Meters  
 Spheroid Mean Radius - 6370 425 Meters

- |                       |     |
|-----------------------|-----|
| Contour Lines         | ——— |
| Contours 10 Meters    |     |
| Contours 20 Meters    |     |
| Contours 30 Meters    |     |
| Contours 40 Meters    |     |
| Contours 50 Meters    |     |
| Contours 60 Meters    |     |
| Contours 70 Meters    |     |
| Contours 80 Meters    |     |
| Contours 90 Meters    |     |
| Contours 100 Meters   |     |
| Contours 200 Meters   |     |
| Contours 300 Meters   |     |
| Contours 400 Meters   |     |
| Contours 500 Meters   |     |
| Contours 600 Meters   |     |
| Contours 700 Meters   |     |
| Contours 800 Meters   |     |
| Contours 900 Meters   |     |
| Contours 1000 Meters  |     |
| Contours 1200 Meters  |     |
| Contours 1400 Meters  |     |
| Contours 1600 Meters  |     |
| Contours 1800 Meters  |     |
| Contours 2000 Meters  |     |
| Contours 2200 Meters  |     |
| Contours 2400 Meters  |     |
| Contours 2600 Meters  |     |
| Contours 2800 Meters  |     |
| Contours 3000 Meters  |     |
| Contours 3200 Meters  |     |
| Contours 3400 Meters  |     |
| Contours 3600 Meters  |     |
| Contours 3800 Meters  |     |
| Contours 4000 Meters  |     |
| Contours 4200 Meters  |     |
| Contours 4400 Meters  |     |
| Contours 4600 Meters  |     |
| Contours 4800 Meters  |     |
| Contours 5000 Meters  |     |
| Contours 5200 Meters  |     |
| Contours 5400 Meters  |     |
| Contours 5600 Meters  |     |
| Contours 5800 Meters  |     |
| Contours 6000 Meters  |     |
| Contours 6200 Meters  |     |
| Contours 6400 Meters  |     |
| Contours 6600 Meters  |     |
| Contours 6800 Meters  |     |
| Contours 7000 Meters  |     |
| Contours 7200 Meters  |     |
| Contours 7400 Meters  |     |
| Contours 7600 Meters  |     |
| Contours 7800 Meters  |     |
| Contours 8000 Meters  |     |
| Contours 8200 Meters  |     |
| Contours 8400 Meters  |     |
| Contours 8600 Meters  |     |
| Contours 8800 Meters  |     |
| Contours 9000 Meters  |     |
| Contours 9200 Meters  |     |
| Contours 9400 Meters  |     |
| Contours 9600 Meters  |     |
| Contours 9800 Meters  |     |
| Contours 10000 Meters |     |

第二卷 勘测

**SHEET HISTORY**  
 Planned by JANA, (P) and (P) for the purpose of the project and prepared by the Survey Department of the Ministry of Works and Construction, Government of Sudan.  
 Based on the survey and map of the area.

Scale 1:10,000

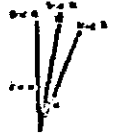
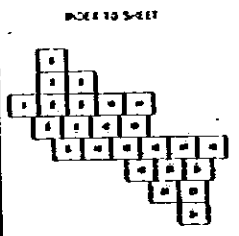
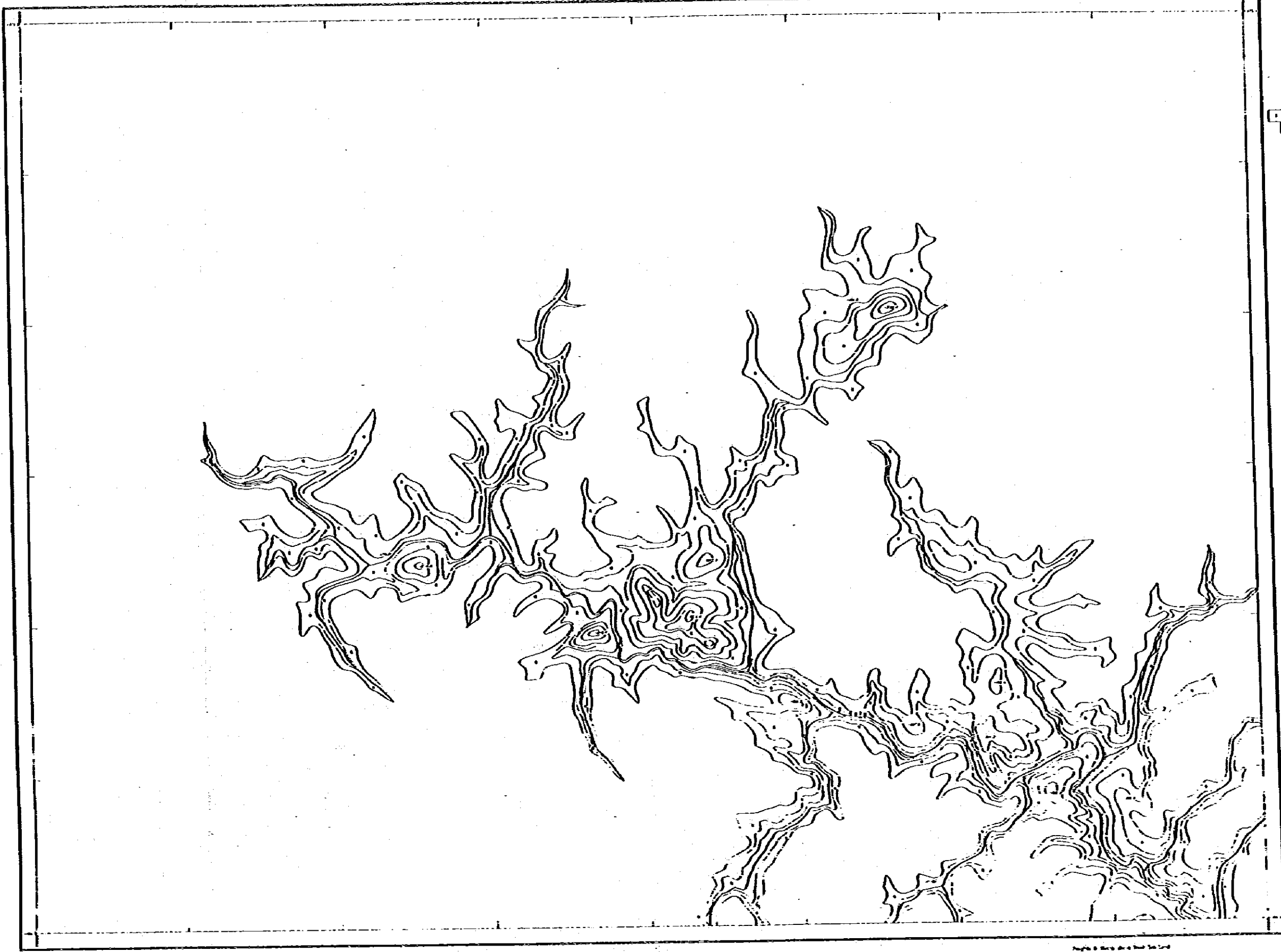


Map Scale 1:10,000

FIGURE 2-12

# TEKAI HYDRO-ELECTRIC POWER DEVELOPMENT PROJECT

SHEET NO 10



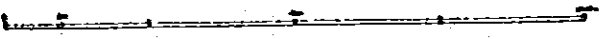
Map projection 1:250,000

**PROJECTION**  
 Rational Spheroidal System  
 Spheroid - Everest  
 G.P.D.  
 Spheroid Semi-Major Axis - 6,356,775.261 m  
 Constant of Origin - 471 854 102.000 m  
 142 135 183.000 m

- Interval Map
- Cut in Map Sheet
- Range
- Water, 3 to 4 m
- Foot Bridge
- Sub
- Stream Cross Section Section
- Spot Height
- Side Contour
- Contours
- Supplemental Contours
- Depression
- C-contour
- Cl-contour
- Cl
- Lenticle
- Rock Outcrop
- Stone
- Peak or Hill
- Spot
- Spot Height
- Line of Height
- High
- Side
- Large Spot in Spot Sheet
- Drain
- Drain
- Drain
- Drain
- Drain

SHEET NO 10  
 This is an approved copy of the map  
 and should be used for all purposes  
 This copy is for the use of the map

Scale 1:10,000



Height of Spot Height

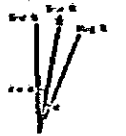
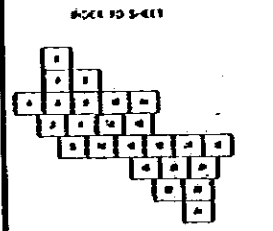
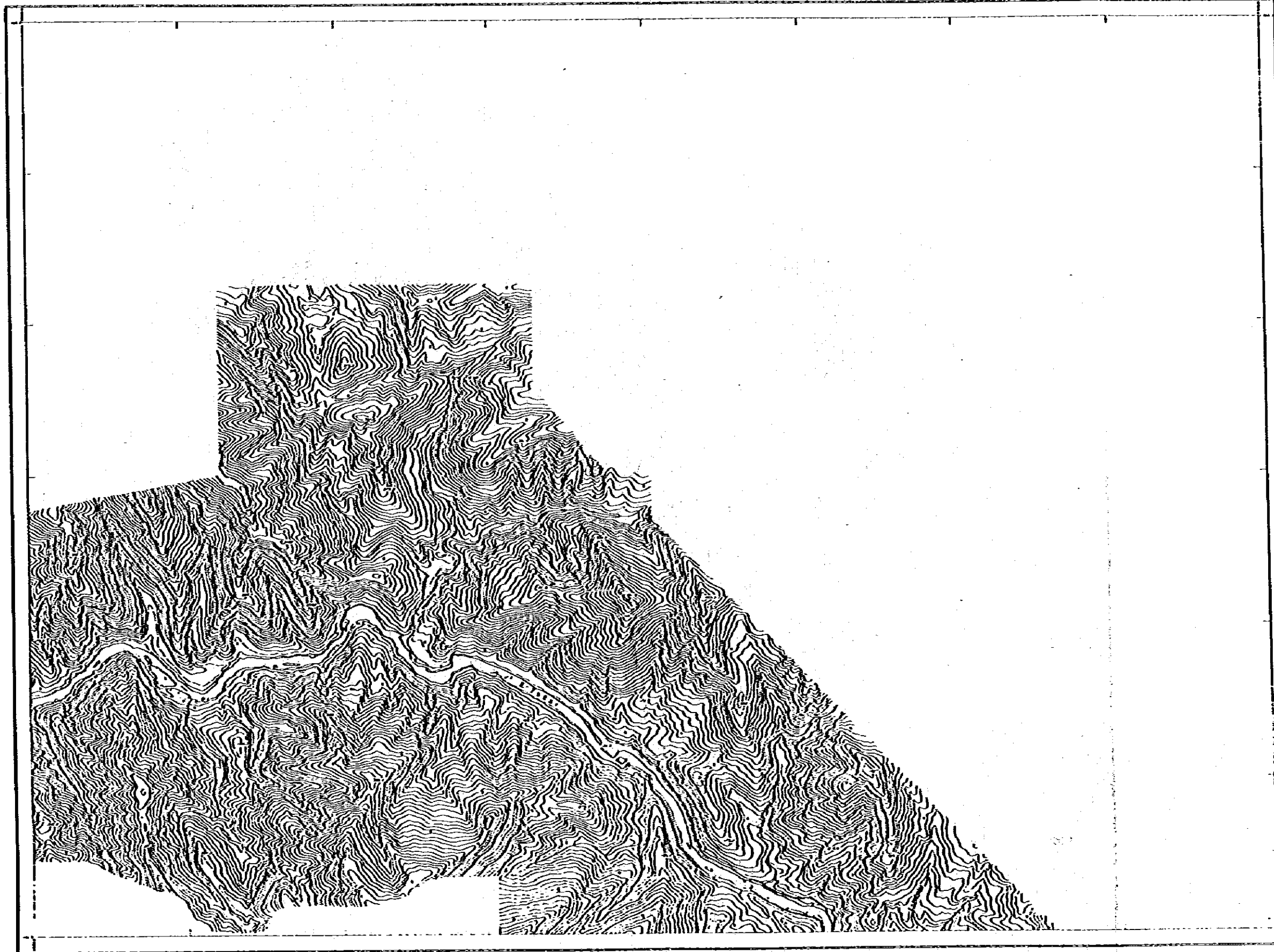
FIGURE 2-13





TEKAI HYDRO-ELECTRIC POWER DEVELOPMENT PROJECT

SHEET NO. 12



Magnetic Declination 1948

**PROJECTION**  
 UTM - Universal Transverse Mercator  
 Spheroid - Everest

**GPD**  
 Rescaled Spheroid  
 Origin - 42,400 00 E of Greenwich  
 Central Meridian - 172 000 00 E  
 Scale - 625 000 m/km

- |                  |                          |
|------------------|--------------------------|
| Contour Line     | —                        |
| Contour Interval | —                        |
| Spot Height      | •                        |
| Water Course     | — (with wavy lines)      |
| Canal            | — (with cross-ticks)     |
| Drainage         | — (with arrows)          |
| Highway          | — (with double lines)    |
| Road             | — (with single lines)    |
| Foot Path        | — (with dashed lines)    |
| Boundary         | — (with irregular lines) |
| Other            | — (with various symbols) |
| Spot Height      | •                        |
| Water Course     | — (with wavy lines)      |
| Canal            | — (with cross-ticks)     |
| Drainage         | — (with arrows)          |
| Highway          | — (with double lines)    |
| Road             | — (with single lines)    |
| Foot Path        | — (with dashed lines)    |
| Boundary         | — (with irregular lines) |
| Other            | — (with various symbols) |

- |              |                          |
|--------------|--------------------------|
| Spot Height  | •                        |
| Water Course | — (with wavy lines)      |
| Canal        | — (with cross-ticks)     |
| Drainage     | — (with arrows)          |
| Highway      | — (with double lines)    |
| Road         | — (with single lines)    |
| Foot Path    | — (with dashed lines)    |
| Boundary     | — (with irregular lines) |
| Other        | — (with various symbols) |

**SHEET HISTORY**  
 Prepared by JICA INTERNATIONAL COOPERATION AGENCY  
 based on photogrammetry by JICA INTERNATIONAL COOPERATION AGENCY  
 based on contour maps by JICA INTERNATIONAL COOPERATION AGENCY

Scale 1:10,000



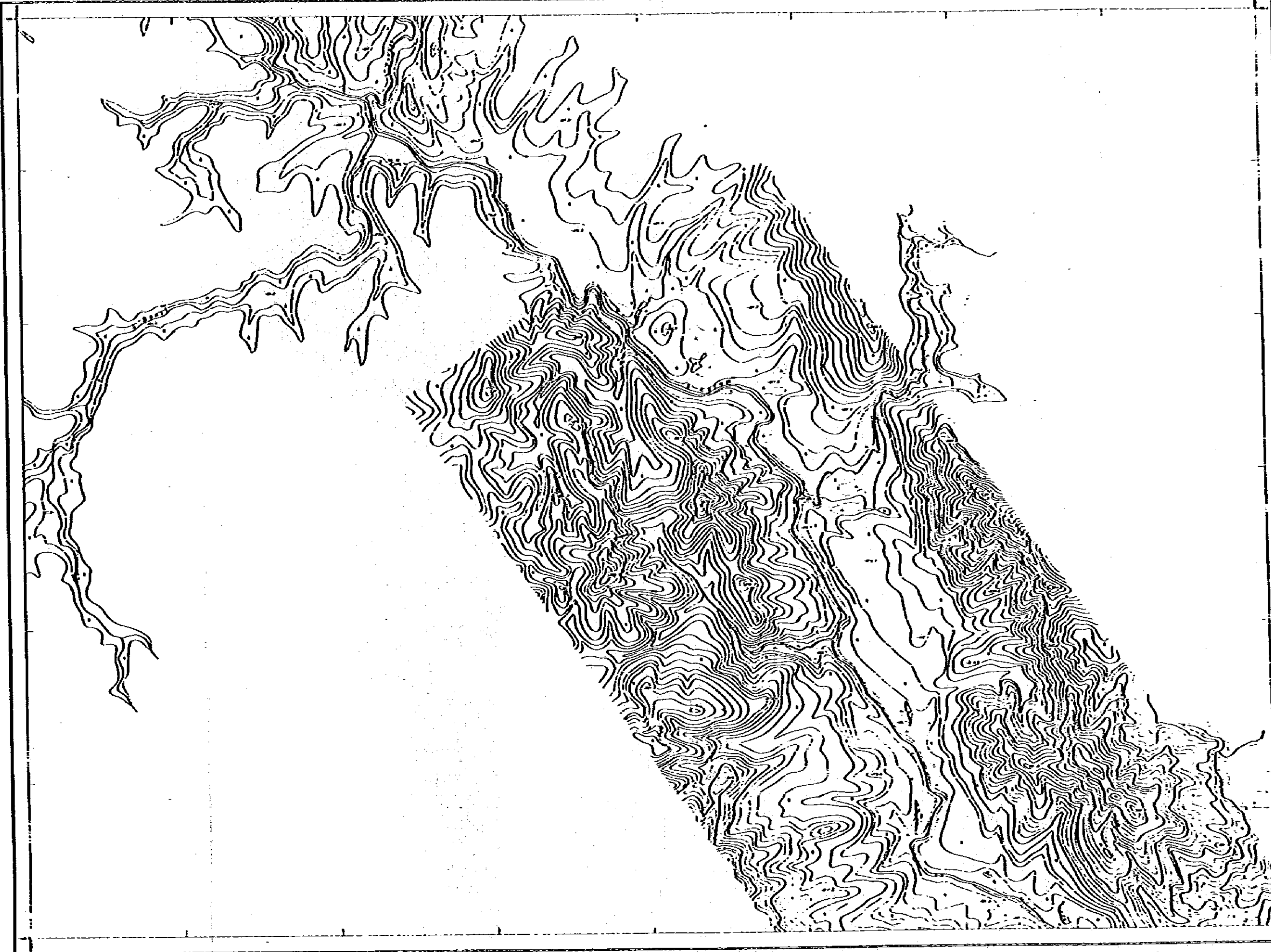
Height in Meters above Sea Level  
 Contour Interval 10 m

FIGURE 2-15

第二卷 尼泊尔 水电站

TEKAI HYDRO-ELECTRIC POWER DEVELOPMENT PROJECT

SHEET NO 13



SCALE TO SHEET

Vertical Distance 1:40

PROJECTION  
Mercator Spheroid  
Spheroid - Everest

G.D.  
Natural Scale Denominator  
G.D. - 1:2,422 25 S. of Everest  
Conversion of Scale - 472 254 Meters to  
1:2 422 250

Reference Spot	Vertical Line
Cart & Map Track	Short Dash
Footpath	Long Dash
Motor & Cattle	Double Dash
Foot Bridge	Horizontal Dash
Wall	Vertical Dash
Ground Control Station B.M.S.	Circle
Spot Height	Circle with Dot
Water Course	Wavy Line
Canal	Double Wavy Line
Experimental Canals	Wavy Line with Dots
Ditch	Short Dash with Dot
Excavated	Short Dash
Ridge	Long Dash with Dot
Cliff	Vertical Dash with Dot
Contour	Wavy Line with Dot
Rocky Area	Short Dash with Dot
Level of Height	Horizontal Dash
High	Vertical Dash
Low	Horizontal Dash
Level and in Soil Shaded	Vertical Dash
Drain	Short Dash
In Part	Vertical Dash
Water	Horizontal Dash
Canal	Wavy Line

Scale Numerals  
0. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

第一卷和共道

Scale History  
Based on J.N.A. 1:250,000 Scale  
Red Polygon by J.N.A. 1:50,000 Scale  
Based on J.N.A. 1:250,000 Scale

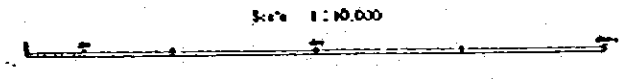


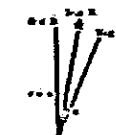
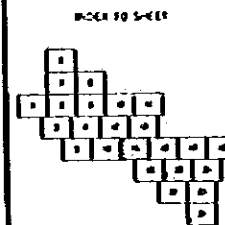
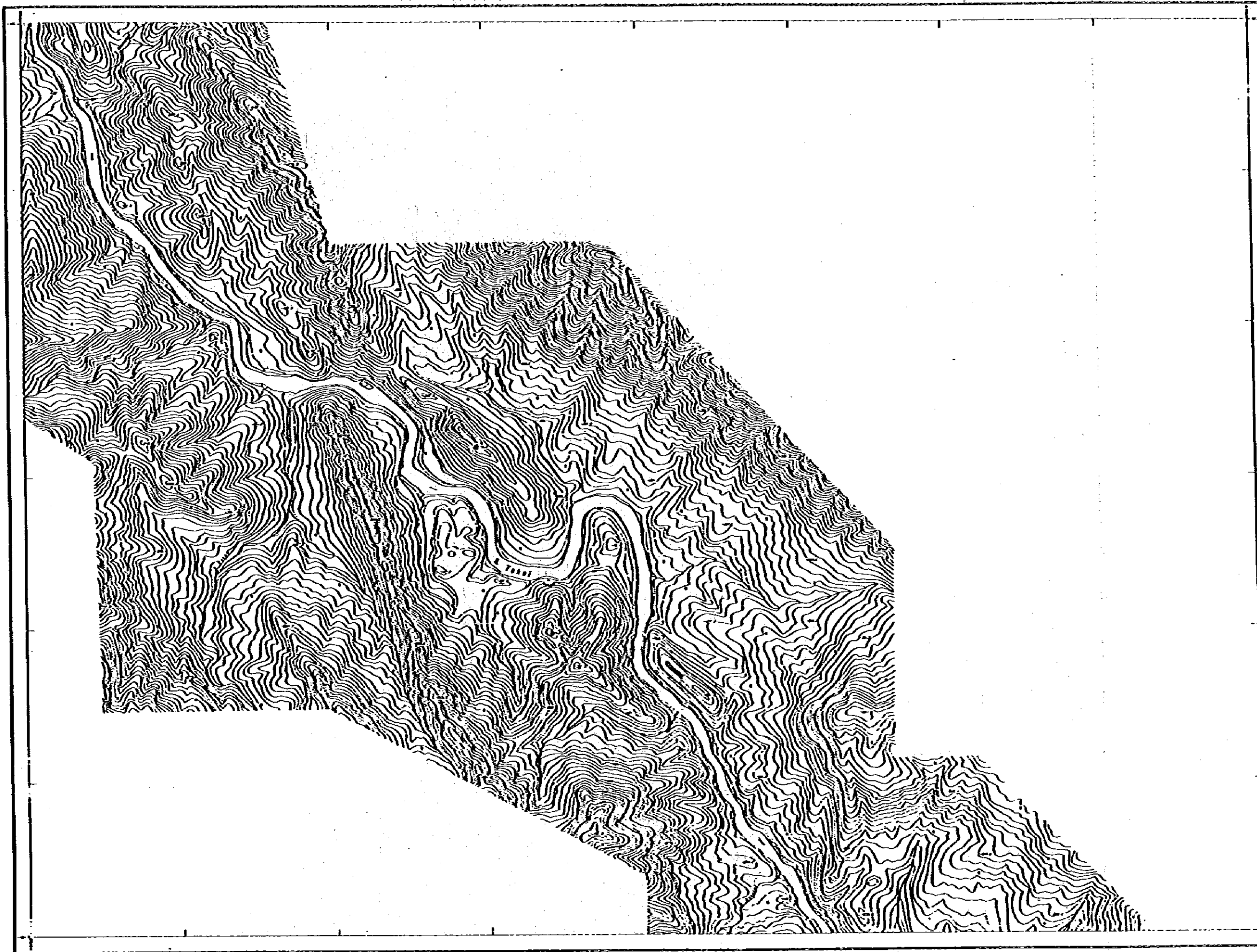
Figure 2-16  
Contour Interval 1:40

FIGURE 2-16



TEKAI HYDRO-ELECTRIC POWER DEVELOPMENT PROJECT

SHEET NO. 15



Magnetic Declination 1966

PROJECTION

Universal Transverse Mercator Projection  
Spheroid - Everest

G.P.D.

Actual Mean Orthometric  
Elevation - 4,125.55 ft. of Mean Sea  
Level  
Coordinates of Origin - 47° 54' 30" East  
842 432 North ft.

- |                            |   |
|----------------------------|---|
| Intersect Road             |   |
| Cart or Imp. Road          |   |
| Footpath                   |   |
| Rocky Bridge               |   |
| Flat Bridge                |   |
| Run                        |   |
| Stream Course Below Bridge |   |
| Spot Height                | • |
| Index Contour              | ~ |
| Contours                   | ~ |
| Supplemental Contours      | ~ |
| Depression                 | ~ |
| Enclosure                  |   |
| Canal                      |   |
| Dike                       |   |
| Levee                      |   |
| Rock Building              |   |
| Wood                       |   |
| Post and Line              |   |
| Wire                       |   |
| Strong Wall                |   |
| Line of Telegraph          |   |
| Spur                       |   |
| Water                      |   |
| Large and Small Reservoir  |   |
| Orchard                    |   |
| Oil Palm                   |   |
| Bamboo                     |   |
| Cultivated                 |   |

第二卷和共通

SHEET HISTORY  
Prepared by ANA INTERNATIONAL COOPERATION SERVICE  
And Published by DEPARTMENT OF LAND SURVEYING  
Royal Government of Cambodia

Scale 1:40,000

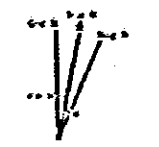
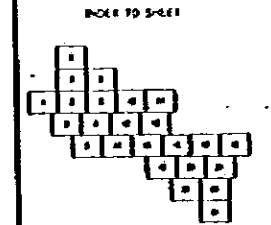
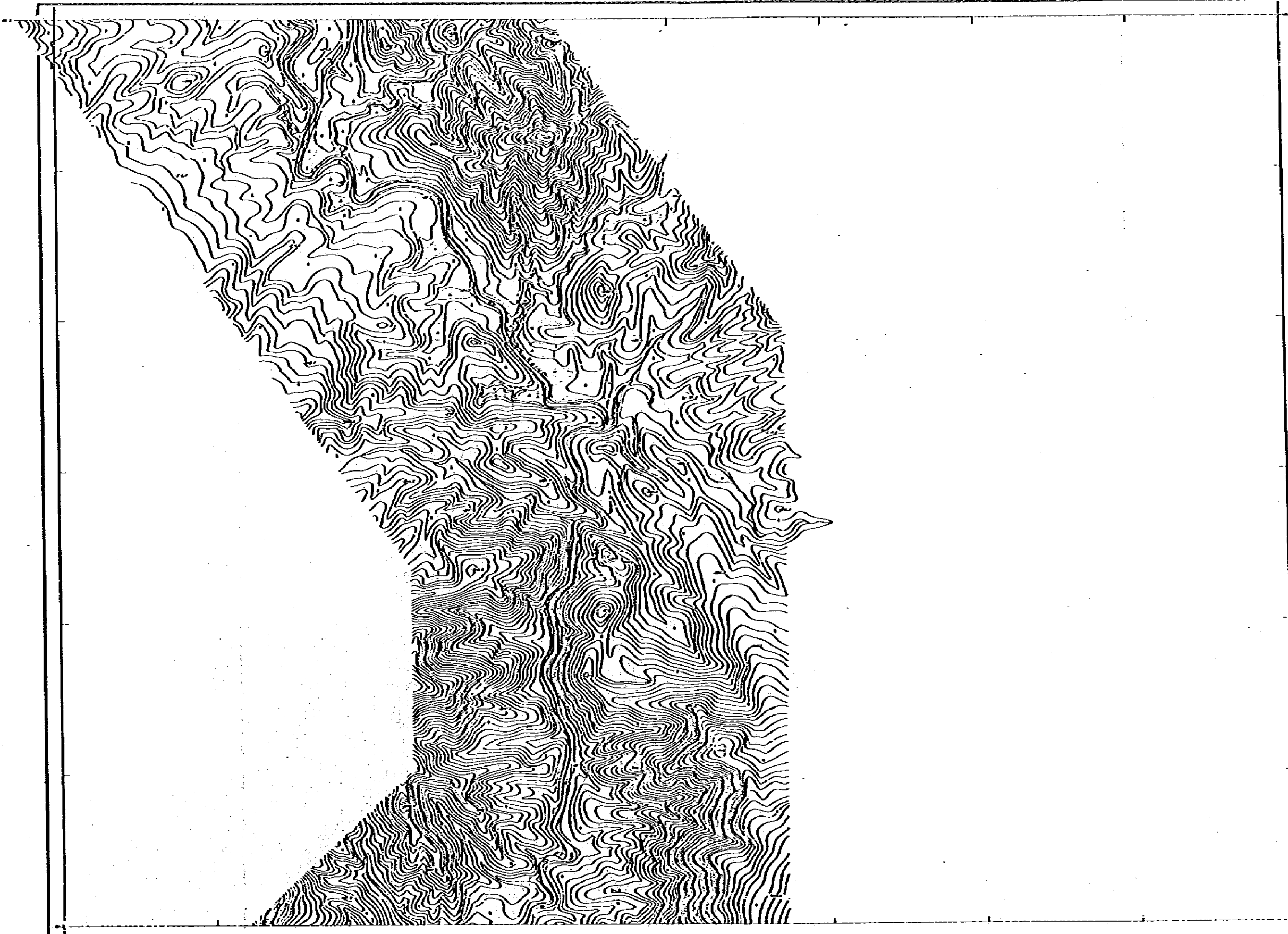


Height of Bench Mark from Sea Level  
Control Bench Mark 2,207m

FIGURE 2-18



第二卷第五图



Magnetic Declination 1988

PROJECTION

Universal Transverse Mercator Projection  
Spheroid - Everest

GPD

Reduced Meridional GPD  
Origin - 4 N, 107 15 E of Greenwich  
Constant of Origin - 475 East Merid. G  
643 425 Merid. G

Impervious Area	
Cut or Fill Area	
Furrows	
Main Canal	
Sub Canal	
Canal	
Seasonal Canal	
Spillway	
Major Road	
Minor Road	
Canal	
Seasonal Canal	
Ditch	
Drainage	
Contour	
Spot	
Contour	
Spot	
Contour	
Spot	
Contour	
Spot	
Contour	
Spot	
Contour	
Spot	
Contour	
Spot	
Contour	
Spot	
Contour	
Spot	
Contour	
Spot	
Contour	
Spot	

SHEET HISTORY  
Prepared by JAPAN INTERNATIONAL COOPERATION AGENCY  
Surveyed by DEPARTMENT OF SURVEYING  
Drawn by JAPAN INTERNATIONAL COOPERATION AGENCY

Scale 1:40,000

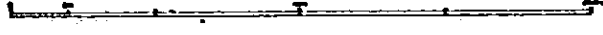
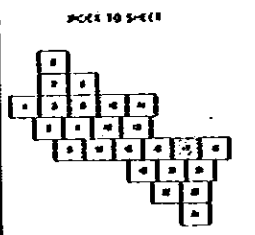
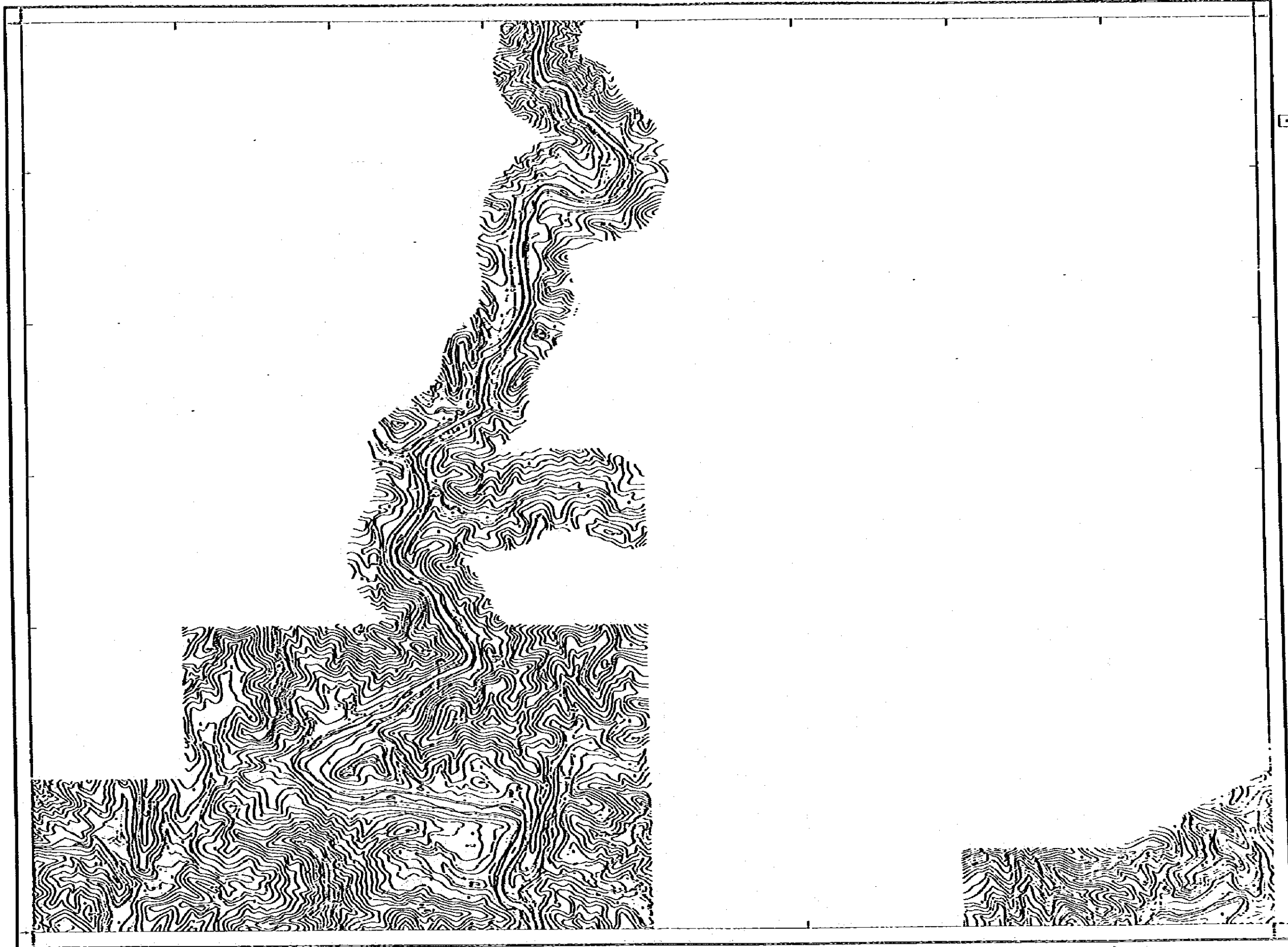


Figure 2-19 is based on the Survey  
Control Board Chart

FIGURE 2-19



Height Difference 100

PROJECTION  
Major Spheroid Base Diagrammatic Projection  
Spheroid - Everest

G.P.O.  
National Survey Department  
Drawing - 47, 482 (S. 1. of Everest)  
Dimensions of Paper - 472 mm (H) x 640 mm (W)

- |                                |   |
|--------------------------------|---|
| Natural Bank                   |   |
| Cut or Dig Bank                |   |
| Field                          |   |
| Water Pipe                     |   |
| Field Pipe                     |   |
| Plot                           |   |
| Bound Control Station (B.C.S.) |   |
| Spot Height                    | o |
| Water Contour                  |   |
| Contour                        |   |
| Superimposed Contour           |   |
| Depression                     |   |
| Spot Height                    | o |
| C.P.M.                         |   |
| Old                            |   |
| Crack                          |   |
| Red Stone                      |   |
| Mark                           |   |
| Point on Line                  |   |
| Spot                           | o |
| Spot Line                      |   |
| Line of Reference              |   |
| Spot                           | o |
| Water                          |   |
| Line of Reference              |   |
| Spot                           | o |
| Water                          |   |
| Contour                        |   |

SHEET HISTORY  
Prepared by J.M.S. INTERNATIONAL CONSULTING ENGINEERS  
And Published by the Government of Bangladesh  
Printed and Bound by J.M.S. INTERNATIONAL CONSULTING ENGINEERS

Scale 1:10,000

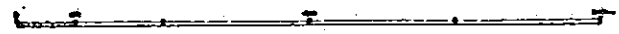
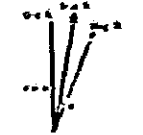
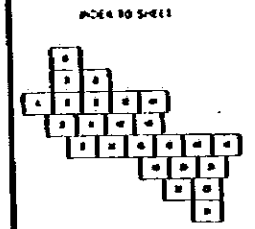


Figure 2-20 shows the dam site and  
Control Point C.P.M.

FIGURE 2-20

# TEKAI HYDRO-ELECTRIC POWER DEVELOPMENT PROJECT

SHEET NO.18



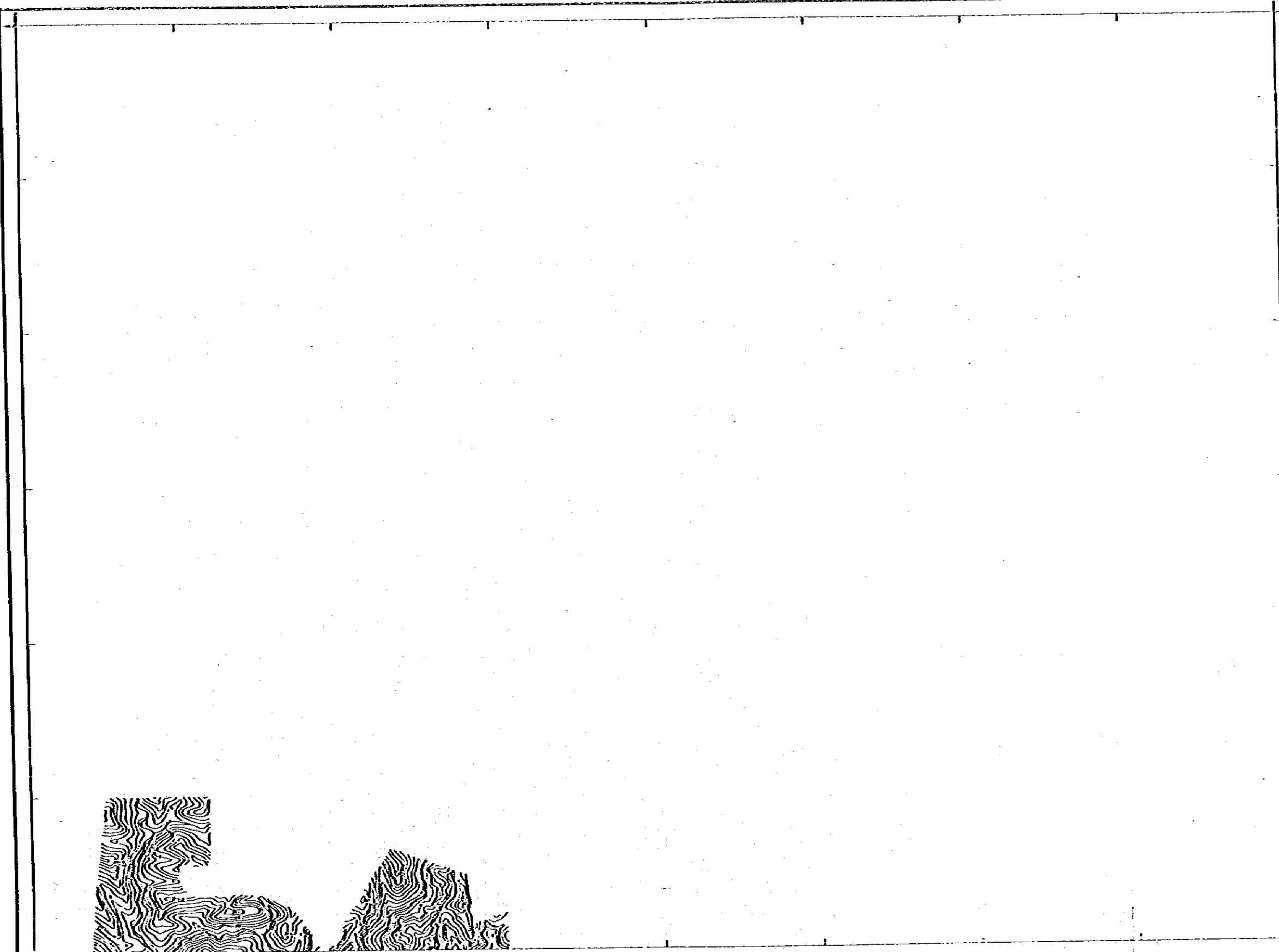
Project No. 18

PROJECTION  
 Map of North East Asiatic Projection  
 Spheroid - Everest

GRID  
 North East Asiatic  
 Origin - 4,122 18 E of Greenwich  
 Coordinate of Origin - 47° 34' North E.  
 82 428 North E.

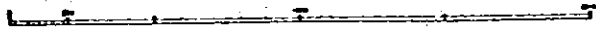
Intermittent Road	
Canal or Dry Drain	
Furrow	
Water Strip	
Field Strip	
Rail	
Bound Canal or Water Drain	
Self Height	
Side Contour	
Contours	
Spot Height Contour	
Ditch	
Embankment	
Canal	
Can	
Canal	
Bank Drain	
Water	
Field and Line	
Line	
Boundary	
Line of Section	
Arch	
River	
Living and in Earth Structure	
Ditch	
Di. Pile	
Barrier	
Culvert	

FIGURE 2-21



SHEET HISTORY  
 Prepared by JAPAN INTERNATIONAL COOPERATION AGENCY  
 and Project staff by DEPARTMENT OF SURVEILLANCE  
 Ground Control Survey by JAPAN INTERNATIONAL COOPERATION AGENCY

Scale 1:10,000

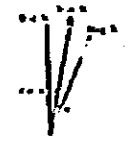
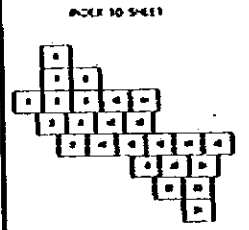
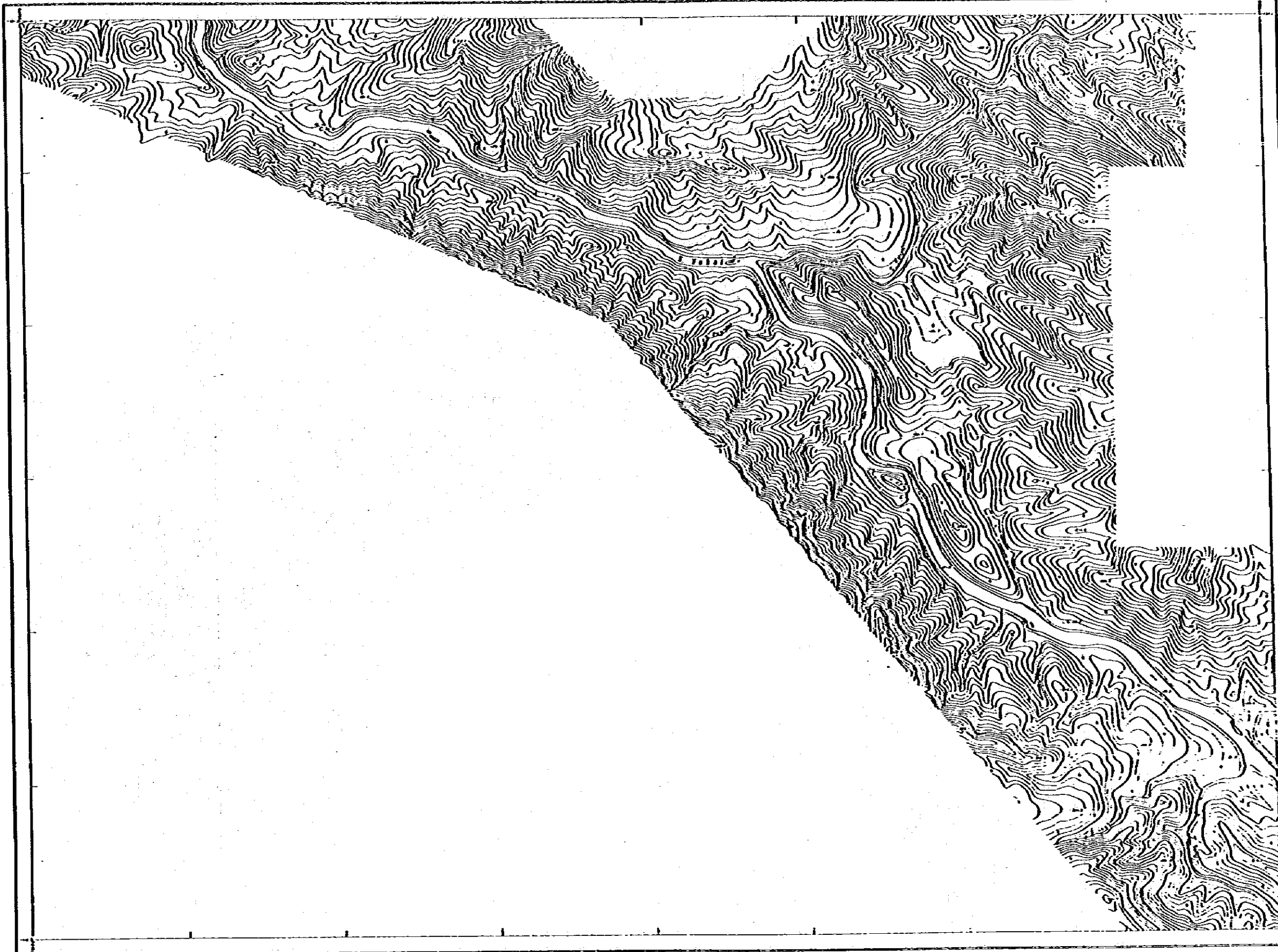


Project No. 18  
 Control Point No. 18

第二卷 平和共進

TEKAI HYDRO-ELECTRIC POWER DEVELOPMENT PROJECT

SHEET NO.19



Height Datum 1985

PROJECTION  
 UTM  
 North to Grid North  
 Easting - East

GPD  
 Reduced Sea Level  
 Datum - 4.196 M E. of Brown  
 Coordinate of Origin - 478 200 000 E  
 442 000 000 N

- Impassable Road
- Cart. & Survey Trail
- Track
- Water Drain
- Foot Bridge
- Well
- Stream Control Structure (SCS)
- Spot Height
- Spot Contour
- Contour
- Intermittent Contour
- Depression
- Embankment
- Cliff
- Cliff
- Levee
- Sea Dike
- Harbour
- Port and Line
- Sea
- Beach Sand
- Line of Vegetation
- Single
- Range
- Living and a Tree Ground
- Ditch
- Dr. Pan
- Barbed
- Calculation

SHEET HISTORY  
 Prepared by JICA INSTITUTE FOR THE COOPERATION AND RESEARCH  
 And Published by DEPARTMENT OF LAND USE AND  
 Ground Control Survey by JICA INTERNATIONAL COOPERATION AND RESEARCH

Scale 1:10,000



Height in Meter above Mean Sea Level  
 Contour Interval 10m

FIGURE 2-22

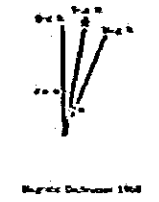
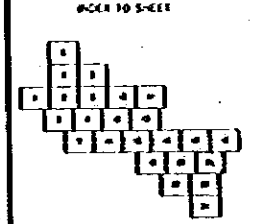
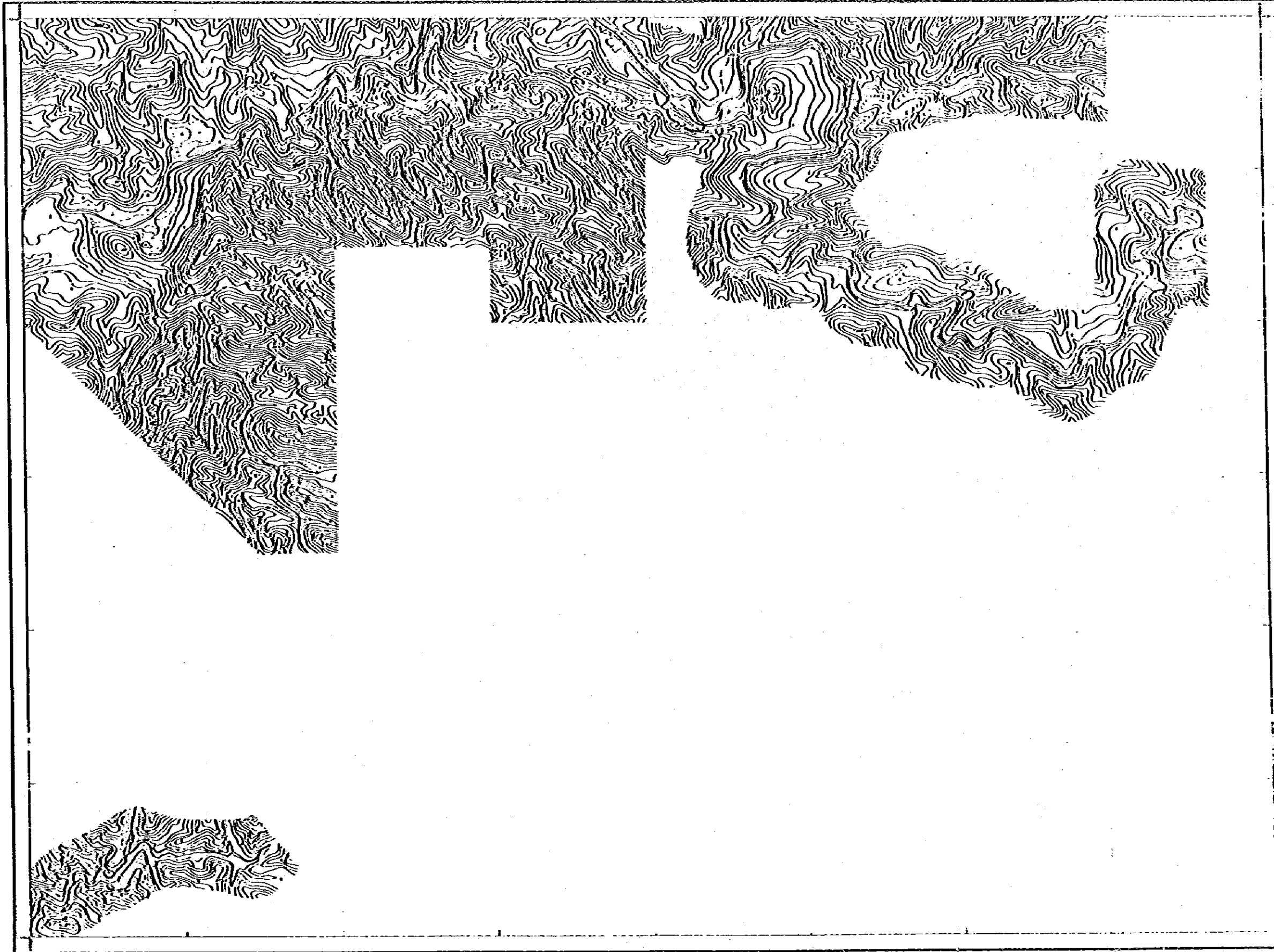
第二卷 规划和建设





TEKAI HYDRO-ELECTRIC POWER DEVELOPMENT PROJECT

SHEET NO. 21



PROJECTION  
 Universal Transverse Mercator  
 Spheroid - Everest  
 G.D.M.  
 National Spot Orthometric  
 Origin - 4° 55' 00" N, 93° 00' 00" E  
 Central Meridian - 93° 00' 00" E  
 False Easting - 500,000 Meters

- International River
- Canal or Aqueduct
- Feeder
- Water Race
- Canal
- Rail
- Proposed Dam
- Dam
- Spillway
- Abutment
- Control
- Spillway Control
- Structure
- Embankment
- Canal
- Dike
- Levee
- Bank
- Wall
- Field or Low
- Sand
- Shrub
- Low
- Large or Small
- Orchard
- Orchard
- Field
- Barren
- Cultivated

Scale 1:10,000

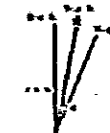
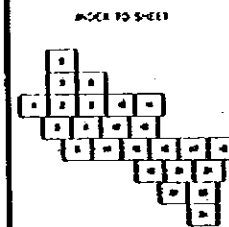
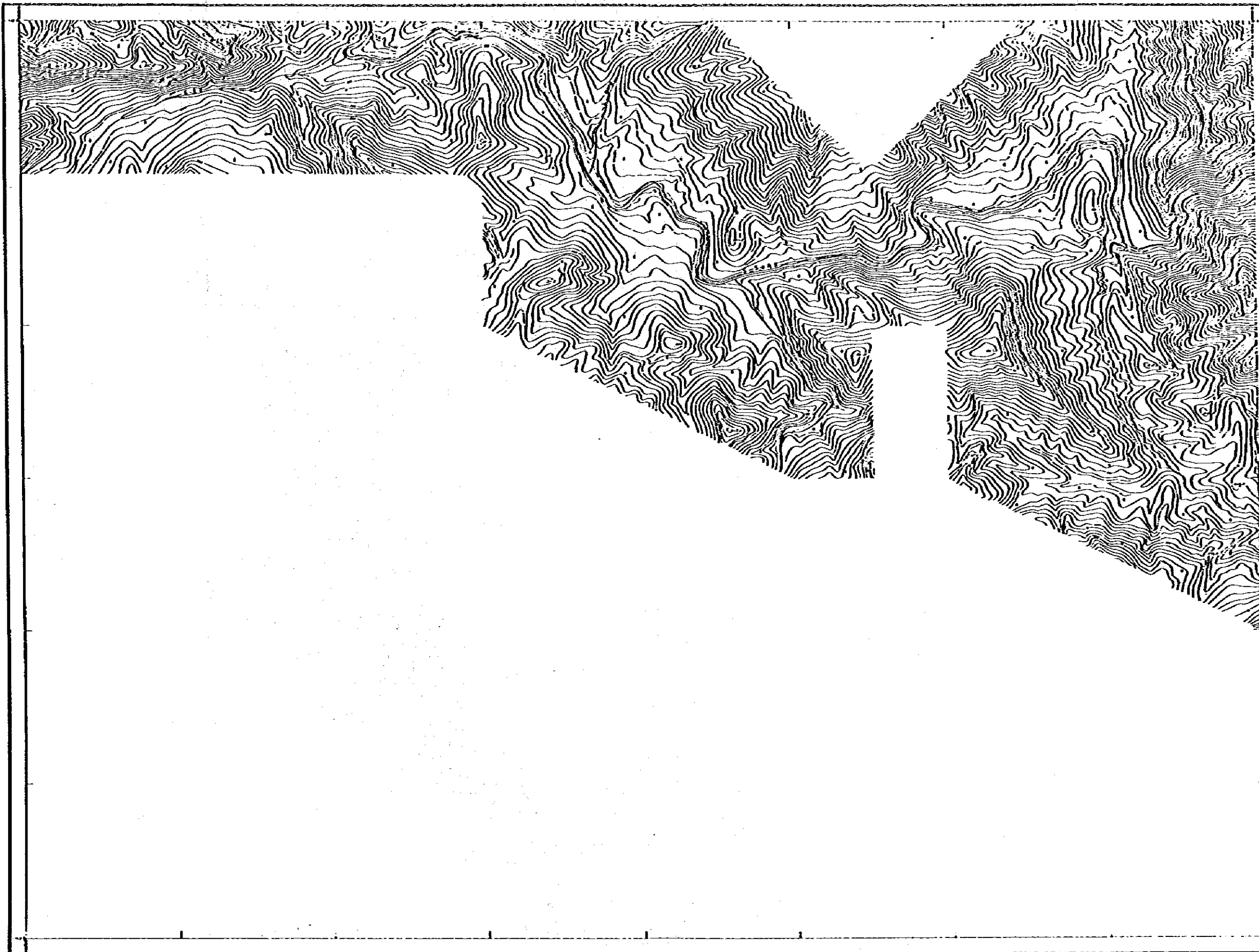
第二卷 茨和茨道

SHEET HISTORY  
 Prepared by JICA INTERNATIONAL COOPERATION AGENCY  
 and Published by DEPARTMENT OF LAND SURVEYING  
 Surveyed from 1965 by JICA INTERNATIONAL COOPERATION AGENCY



Height of Dam above River Bed Level  
 Contour Interval 10 Meters

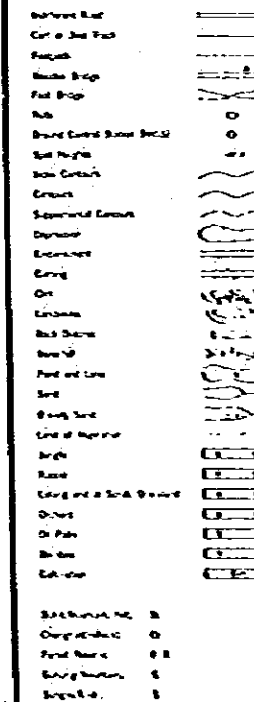
FIGURE 2-24



North Arrow 1960

PROJECTION  
Major Natural Area Orthographic Projection  
Spheroid - Everest

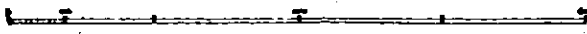
U.T.M.  
Universal Transverse Mercator  
Origin - 4,500,000 E. of Greenwich  
Central Meridian - 42° 30' East  
400,000 Meters



第二卷 茨和共派

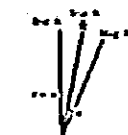
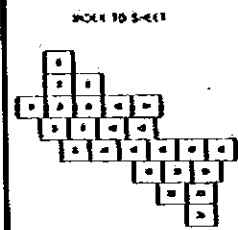
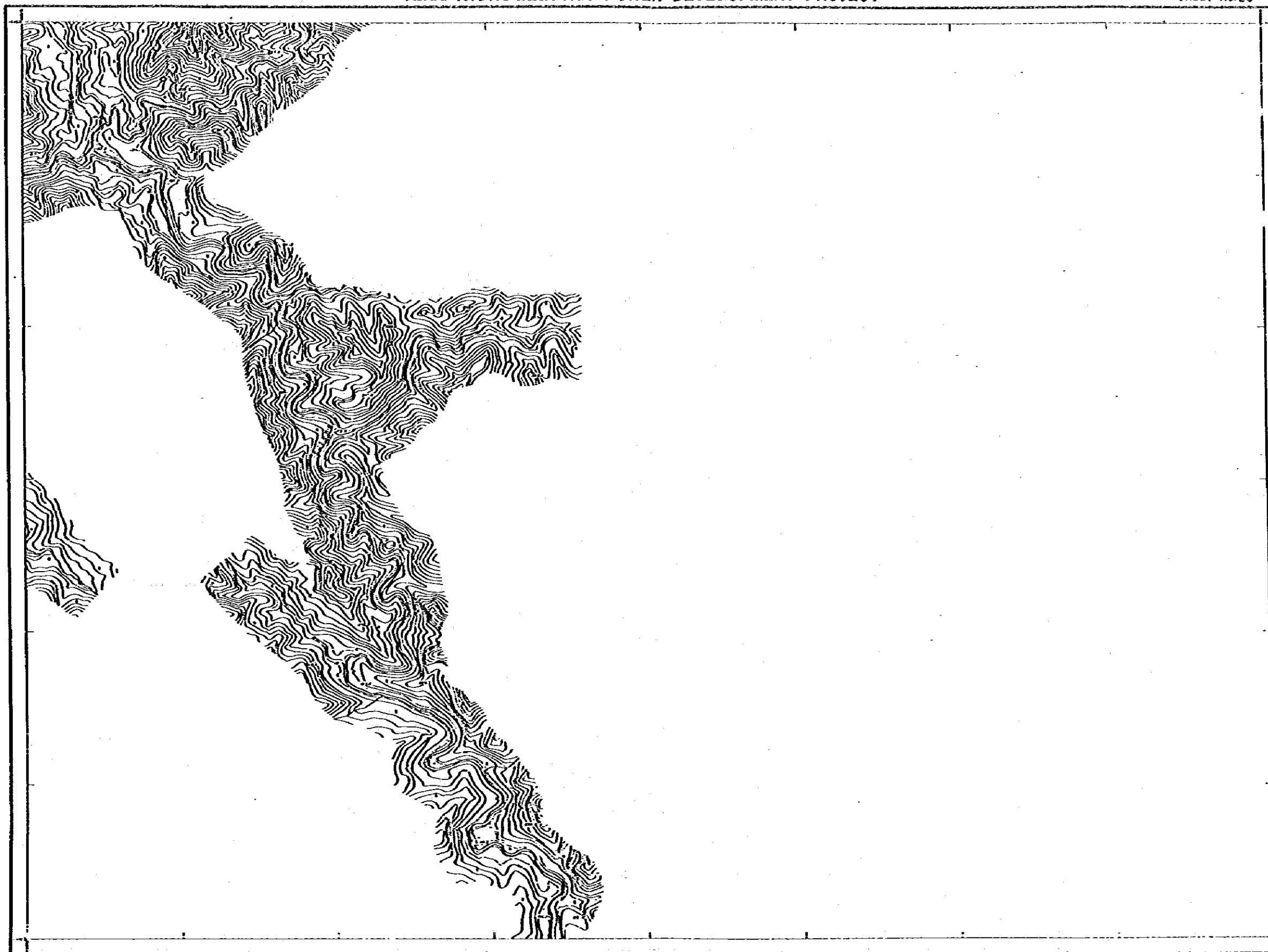
SHEET NO 22  
Prepared by JAPAN INTERNATIONAL COOPERATION AGENCY  
Surveyed by SURVEYING DIVISION OF JAPAN COAST GUARD  
Bound Contour Scale by JAPAN INTERNATIONAL COOPERATION AGENCY

Scale 1:40,000



Height in Meters above Mean Sea Level  
Contour Interval - 5 Meters

FIGURE 2-25



Map Scale 1:50,000

PROJECTION

Map of South East African Republic  
 Standard - Everest

G.P.D.

Map of South Africa  
 Origin - 4 10' 00" E, 29 55' 00" S  
 Coordinate of Origin - 475 000 meters E,  
 642 400 meters S

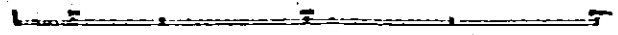
- |                             |  |
|-----------------------------|--|
| Unimproved Road             |  |
| Cart or Spur Road           |  |
| Fountain                    |  |
| Master Bridge               |  |
| Foot Bridge                 |  |
| Rail                        |  |
| Small Control Station (MCS) |  |
| Spot Heights                |  |
| Water Courses               |  |
| Catchment                   |  |
| Superficial Contours        |  |
| Depression                  |  |
| Contourline                 |  |
| Caving                      |  |
| Cut                         |  |
| Excavation                  |  |
| Road Cutting                |  |
| Waterfall                   |  |
| Rock and Soil               |  |
| Soil                        |  |
| Strong Soil                 |  |
| Level of Vegetation         |  |
| High                        |  |
| Shrub                       |  |
| Long and a Short Grassland  |  |
| Orchard                     |  |
| Di Pine                     |  |
| Di Oak                      |  |
| Di Birch                    |  |

FIGURE 2-26

第二卷英和共道

SHEET HISTORY  
 Prepared by JANE INTERNATIONAL ENGINEERING CONSULTANTS  
 and Published by INTERNATIONAL ENGINEERING CONSULTANTS  
 South Africa Branch by JANE INTERNATIONAL ENGINEERING CONSULTANTS

Scale 1:50,000



Vertical Datum - Mean Sea Level  
 Contour Interval - 5 meters

