

## Appendix 4.1 Workshop Schedule

### Day One, November 22, 1993 Monday

- 10:00 - 11:30 First Session  
Chairperson: Dr. B. Bhadra  
Welcome by Dr. E. F. Tacke  
General Description of Natural Events on July 19 and 20 - Mr. Narendra R. Khanal  
Discussions  
Chairperson's Summary
- 11:30 - 11:45 Tea Break
- 11:45 - 01:00 Second Session  
Chairperson: Dr. B. Bhadra  
Extreme Weather Events - Mr. Khadga B. Thapa  
Discussions  
Chairman's Summary
- 01:00 - 02:00 Lunch Break
- 02:00 - 03:30 Third Session  
Chairperson: Mr. P.L. Shrestha  
Geology and Mass Movement - Dr. M. R. Dhital  
Discussions  
Chairperson's Summary
- 03:30 - 05:00 Tea Break
- 3:45 - 4:45 Fourth Session  
Chairperson: Mr. A.L. Joshi  
Role of Land Use Change - Mr. Narendra R. Khanal  
Discussions  
Chairperson's Summary

### Day Two, November 23, 1993 Tuesday

- 10:00 - 12:00 Working Groups on Specific Policy and Institutional Responses  
Group I. Coping with Extreme Weather Events  
Group II. Coping with Mass Movements  
Group III. Improving Land Use
- 12:00 - 02:00 Presentation of Group Recommendations and  
Discussions  
Chairperson's Closing Remarks - Dr. B. Bhadra
- 02:00 - Lunch

## **Appendix 4.2**

### **Workshop Participants**

#### **National Planning Commission**

1. **Dr. Binayak Bhadra**, Hon'ble Member, NPC

#### **Climate and Hydrology**

1. **Dr. S.P. Adhikary**, Director General, Department of Hydrology and Meteorology
2. **Mr. P.B. Shrestha**, Deputy Director General, Dept. of Hydrology and Meteorology
3. **Mr. Kiran Shankar**, Deputy Director General, Dept. of Hydrology and Meteorology
4. **Mr. L.M. Acharya**, Department of Hydrology and Meteorology
5. **Mr. Adarsha Pokhrel**, Department of Hydrology and Meteorology
6. **Dr. M.L. Shrestha**, Department of Hydrology and Meteorology
7. **Prof. K.B. Thapa**, Central Department of Meteorology, Tri-Chandra Campus Building, Tribhuvan University
8. **Mr. D.D. Mulmi**, Central Department of Meteorology, Tri-Chandra Campus Building, Tribhuvan University
9. **Prof. B. P. Upadhyaya**, Department of Meteorology, Tri-Chandra Campus Building, Tribhuvan University
10. **Mr. Lochan Devkota**, Department of Meteorology, Tri-Chandra Campus Building, Tribhuvan University
11. **Mr. S.P. Sharma**, SDE, DOI

#### **Geology and Mass Movements**

1. **Mr. P.L. Shrestha**, Director General, Department of Mines and Geology, Lainchaur
2. **Mr. T.P. Adhikary**, Department of Mines and Geology, Lainchaur
3. **Dr. Toran Sharma**, N.E.S.S., Thapathali
4. **Dr. Megh Raj Dhital**, Central Department of Geology, Tribhuvan University
5. **Dr. B.N. Uprety**, Central Department of Geology, Tribhuvan University
6. **Mr. Pradeep Mool**, Water and Energy Commission Secretariat
7. **Dr. P. Hoppe**, Department of Mines and Geology
8. **Mr. H. Oi**, JICA, CTA, D. P. T. C.
9. **Mr. Kiran Raj Poudyal**, Department of Mines and Geology
10. **Dr. D.R. Kansakar**, Department of Irrigation
11. **Mr. Barun Shrestha**, Director General, Department of Roads
12. **Prof. D.F. (Doug) Vandine**, Geologist, Canada
13. **Dr. Hiroshi Yamamoto**, Shikoku, Agri. Exp. Station, Japan

#### **Land Use**

1. **Mr. A.L. Joshi**, Director General, Department of Soil Conservation and Watershed Management
2. **Mr. D.P. Parajuli**, Director General, Department of Forests
3. **Dr. Jibgar Joshi**, Deputy Director General, Department Housing and Physical Planning
4. **Mrs. Ram Badan Pradhan**, Department of Agriculture
5. **Dr. Mahesh Banskota**, ICIMOD
6. **Mr. Balaram Bhatta**, ICIMOD
7. **Mr. P.B. Shah**, ICIMOD
8. **Mr. Narendra R. Khanal**, Tribhuvan University
9. **Mr. Durga Bahadur Dura**, Bagmati Watershed, Soil Conservation Officer

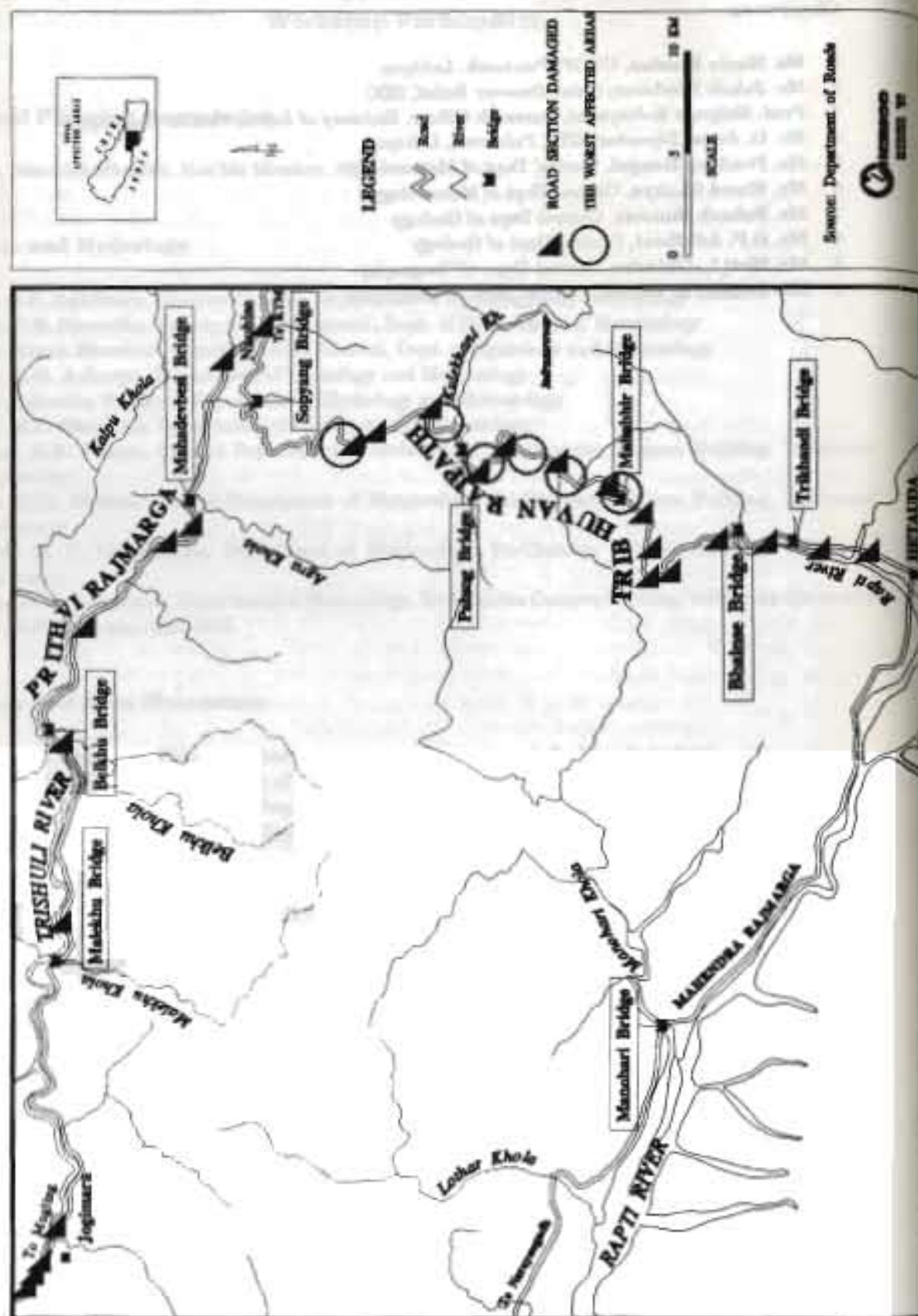
## Observers

1. Ms. Maria Ruedas, UNDP, Pulchowk, Lalitpur
2. Mr. Jakob Niederer, Swiss Disaster Relief, SDC
3. Prof. Shigeru Kobayashi, Research Officer, Embassy of Japan, Prof. of Geography
4. Mr. O. Auge, Director, GTZ, Pulchowk, Lalitpur
5. Mr. Pradeep Dongol, Central Dept of Meteorology
6. Mr. Binod Shakya, Central Dept of Meteorology
7. Mr. Subash Sunwar, Central Dept of Geology
8. Mr. D.P. Adhikari, Central Dept of Geology
9. Mr. Moti L. Ghimire, Central Dept. of Geography
10. Mr. Buddhi K. Dulaal, Central Dept. of Geography



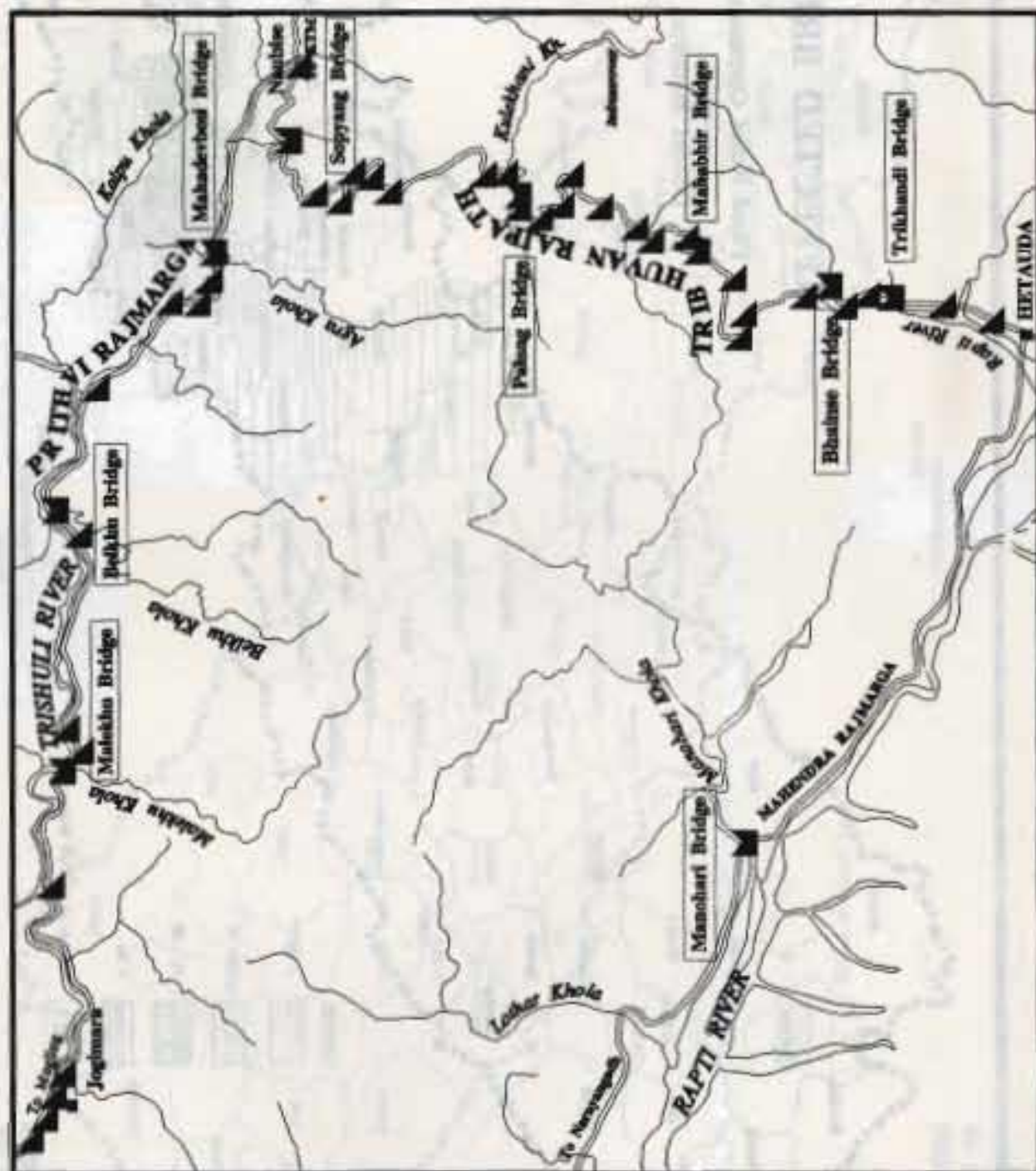
# ROADS AFFECTED BY FLOOD DISASTER ON JULY, 1993

## SECTION: PRITHVI RAJMARGA-TRIBHUVAN RAJPATH



# ROADS AND BRIDGES AFFECTED BY FLOOD DISASTER ON JULY, 1993

## SECTION: PRITHVI RAJMARGA-TRIBHUVAN RAJPATH





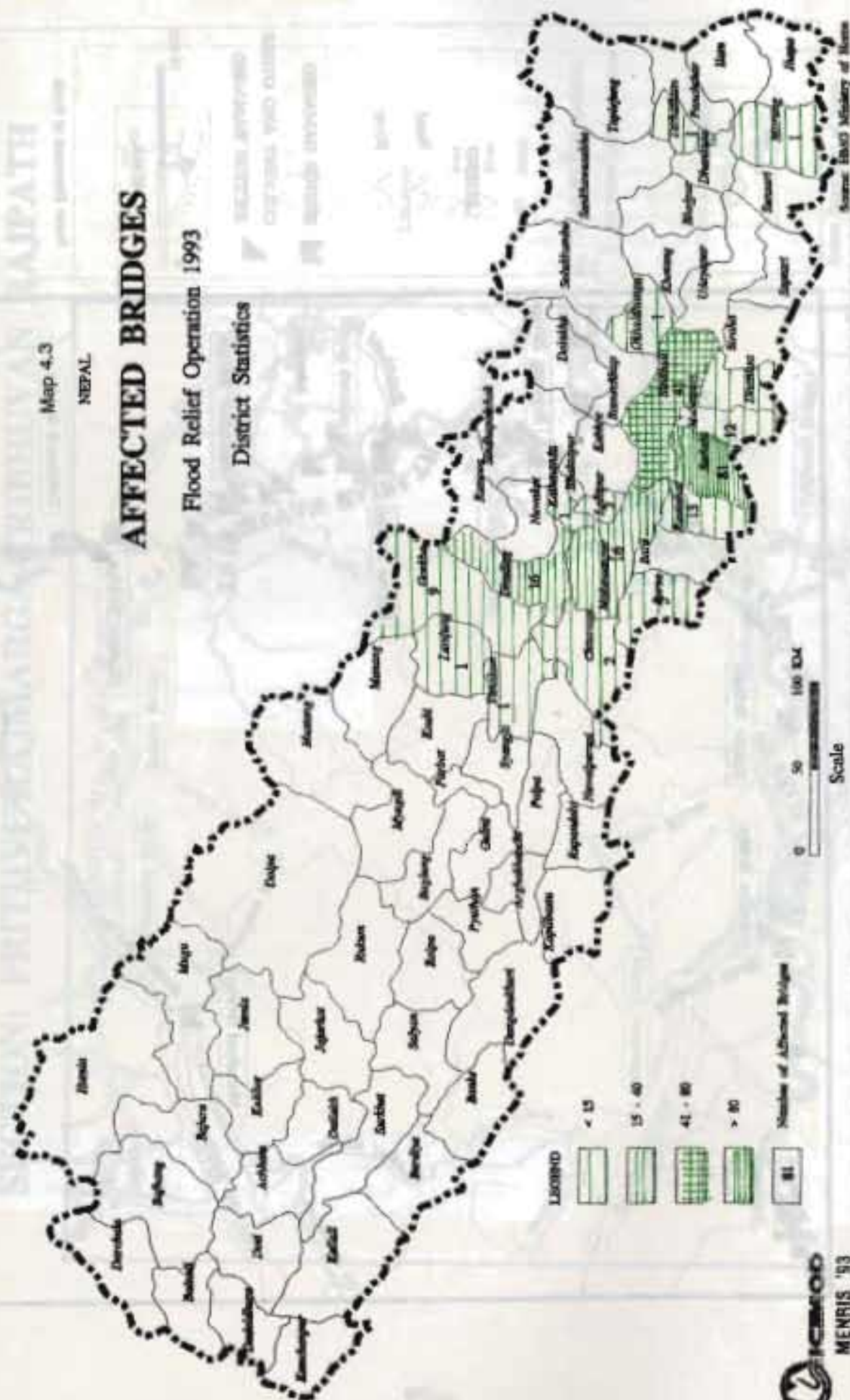
Map 4.3

NEPAL

# AFFECTED BRIDGES

Flood Relief Operation 1993

District Statistics

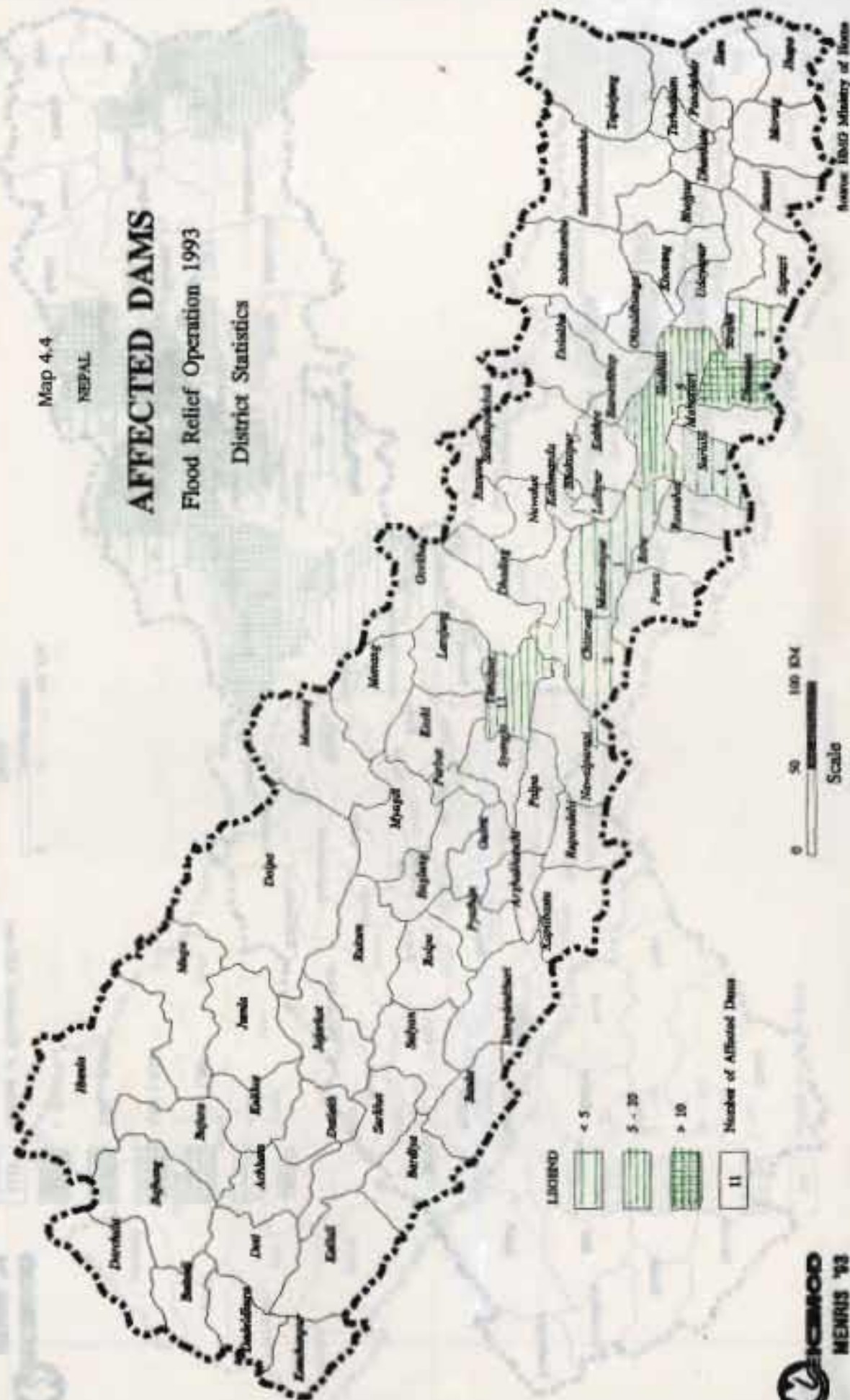


Map 4.4  
NEPAL

# AFFECTED DAMS

Flood Relief Operation 1993

District Statistics

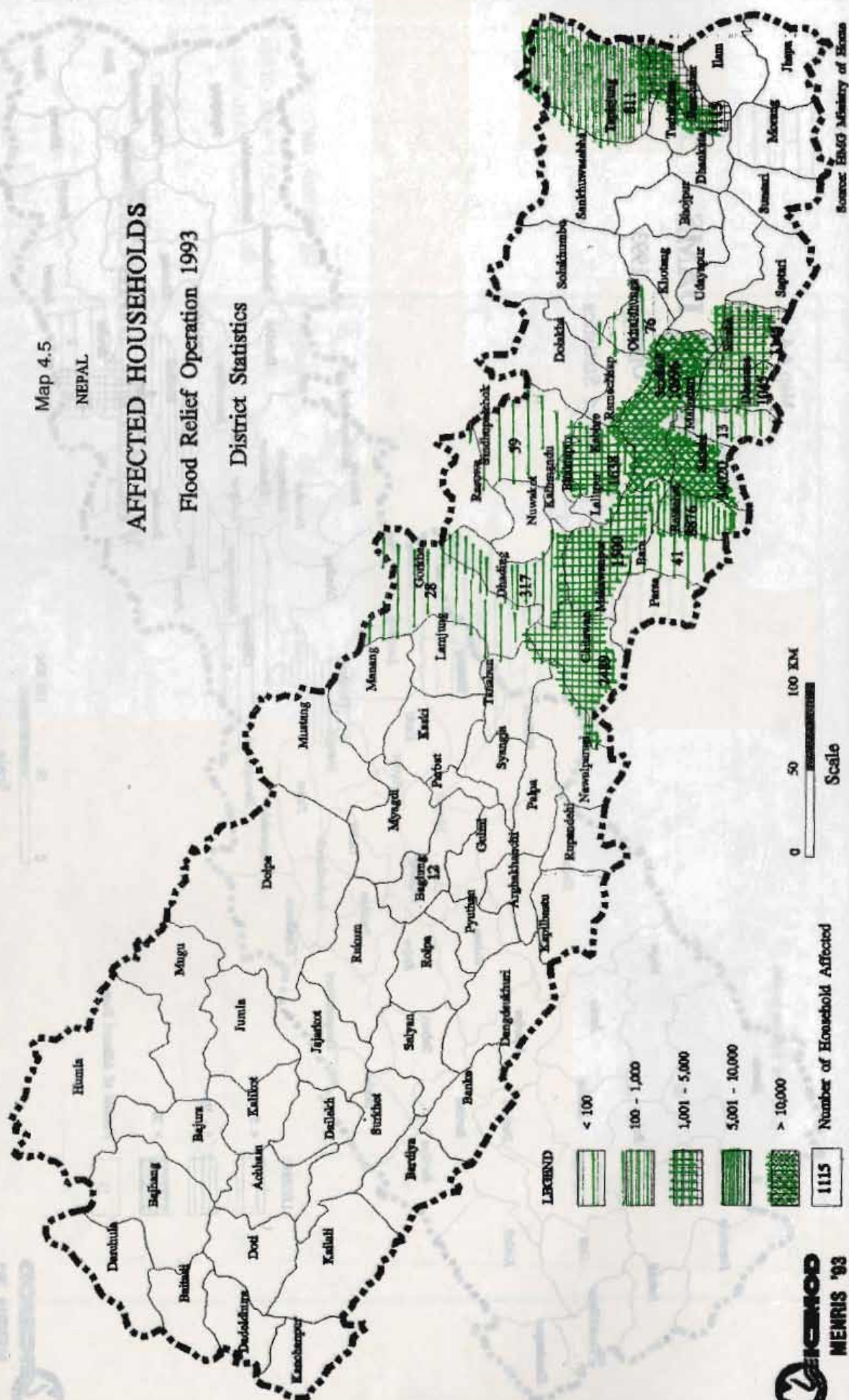




## AFFECTED HOUSEHOLDS

Flood Relief Operation 1993

District Statistics



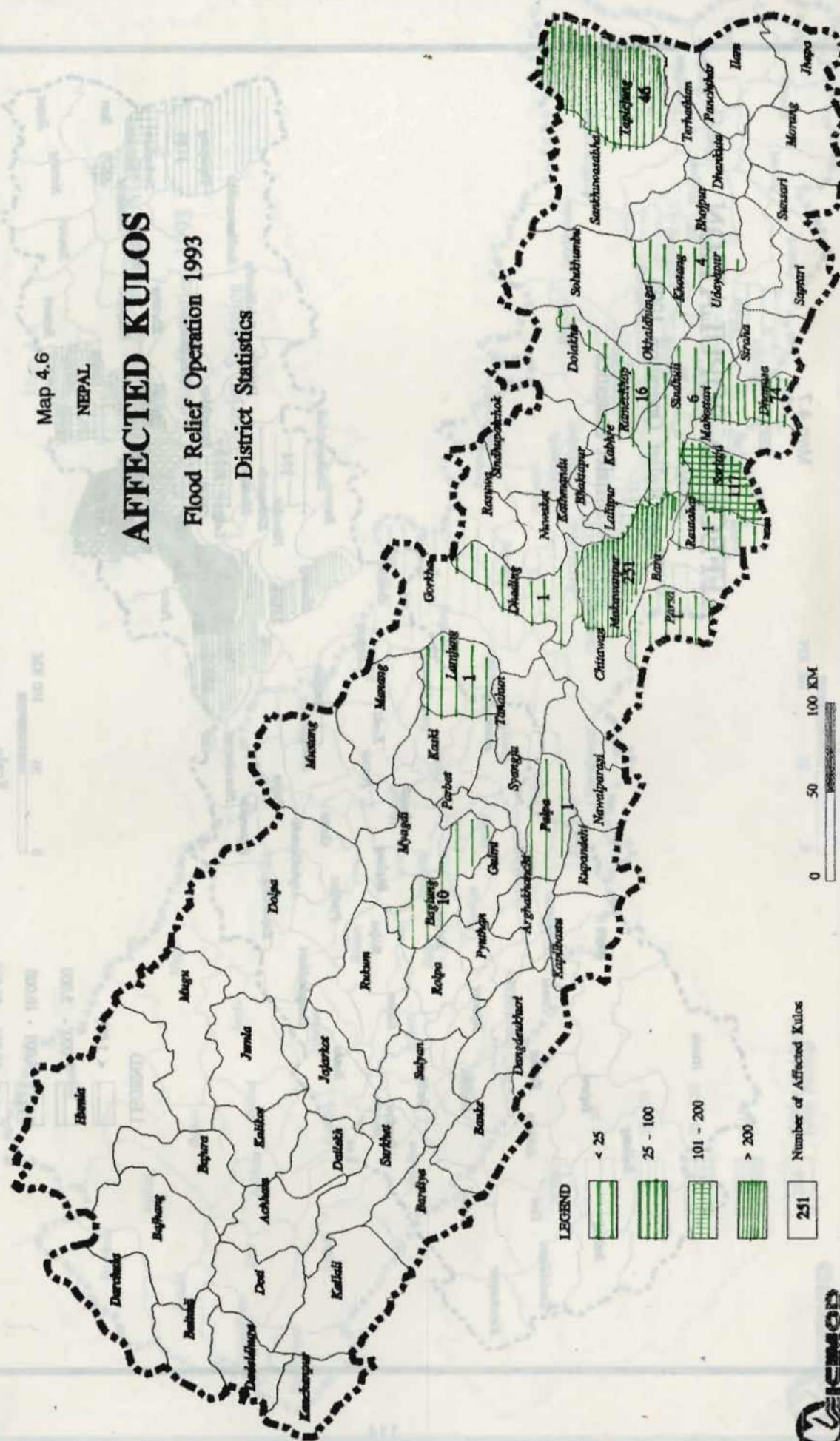
Source: HM/G Ministry of Health



## AFFECTED KULOS

## Flood Relief Operation 1993

## District Statistics



Source: EMG Ministry of Home

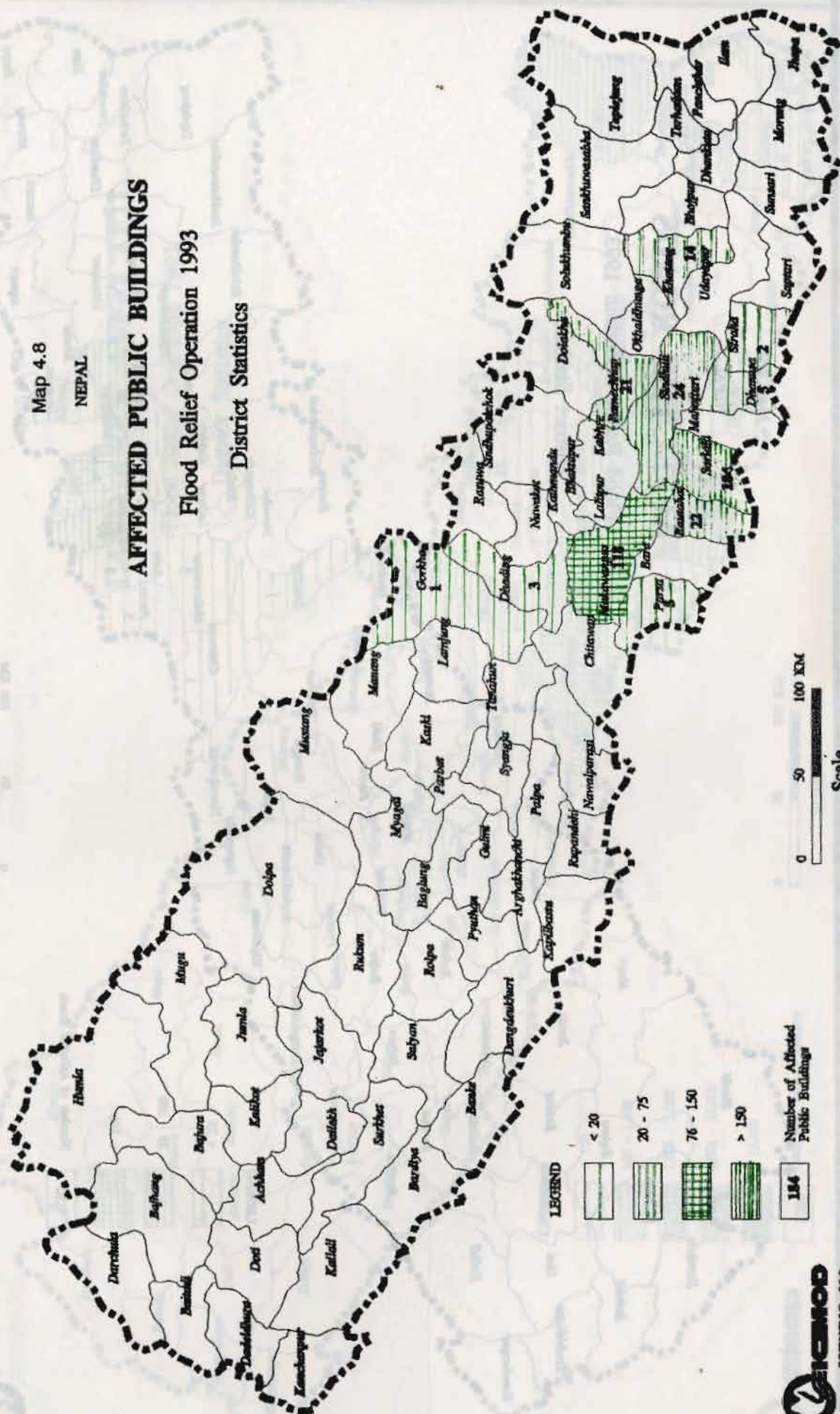




## AFFECTED PUBLIC BUILDINGS

Flood Relief Operation 1993

### District Statistics



Source: HMIC Ministry of Home

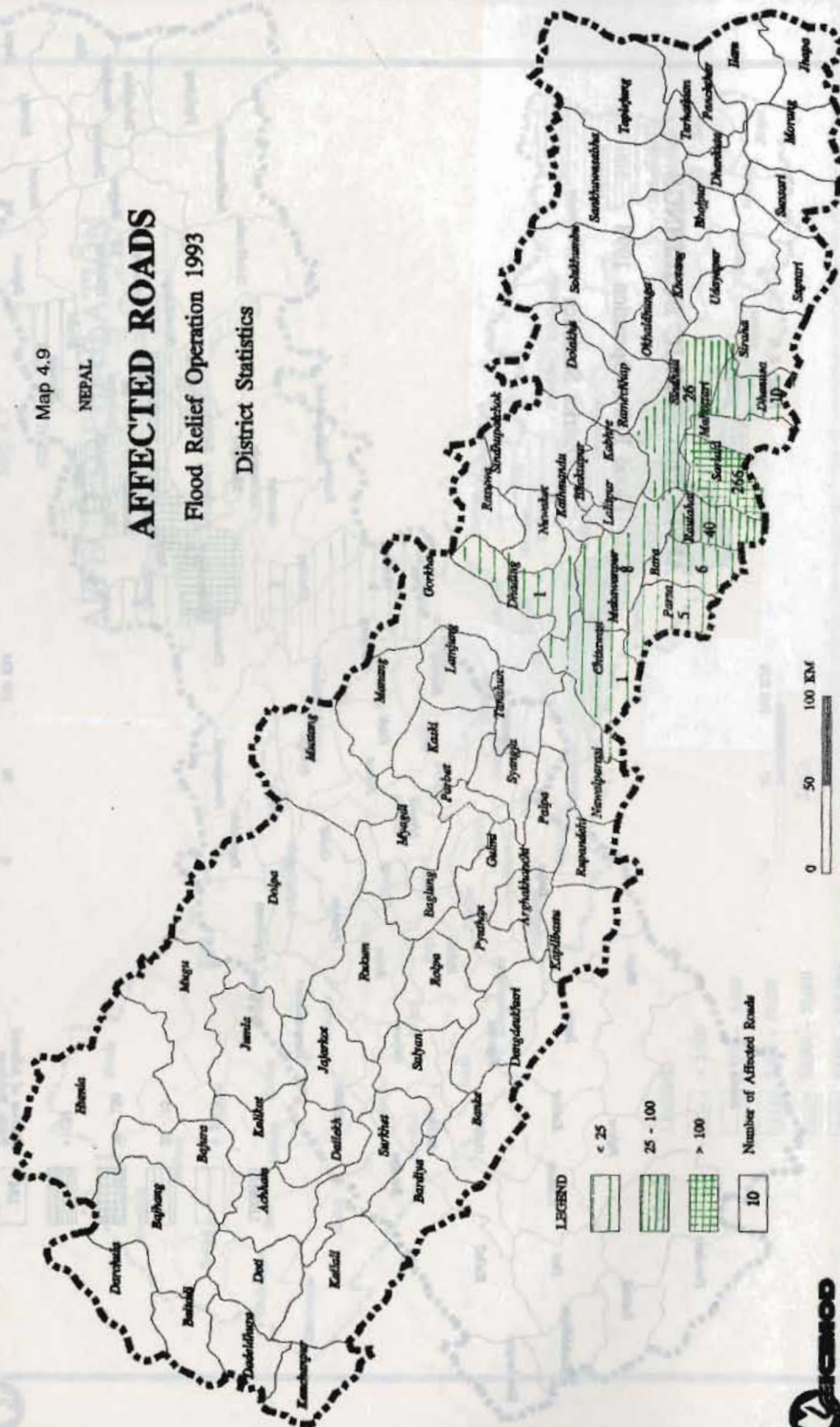
Map 4.9

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# AFFECTED ROADS

Flood Relief Operation 1993

District Statistics



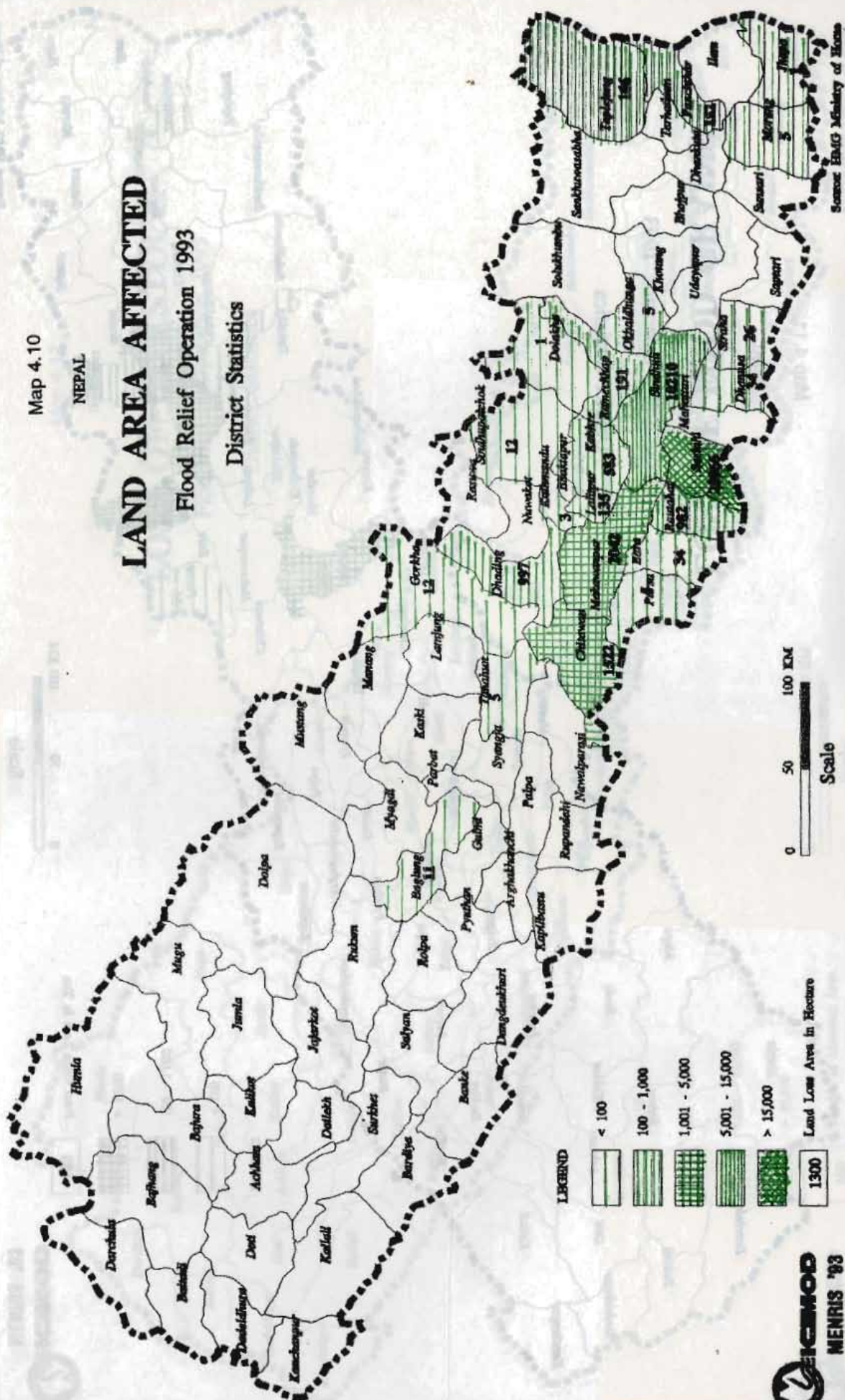


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## LAND AREA AFFECTED

## Flood Relief Operation 1993

### District Statistics



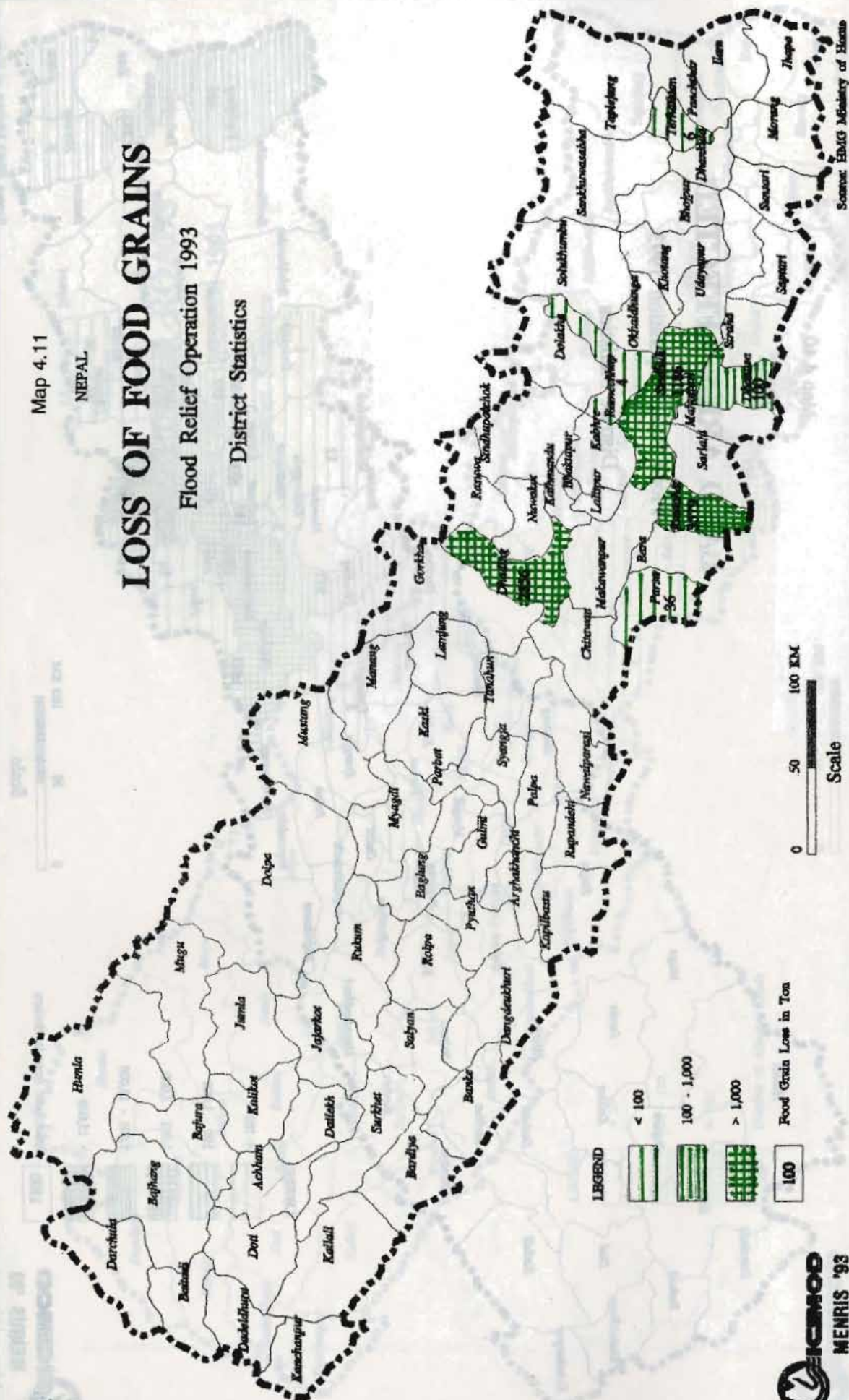


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# LOSS OF FOOD GRAINS

Flood Relief Operation 1993

District Statistics



Source: HMIC Ministry of Home

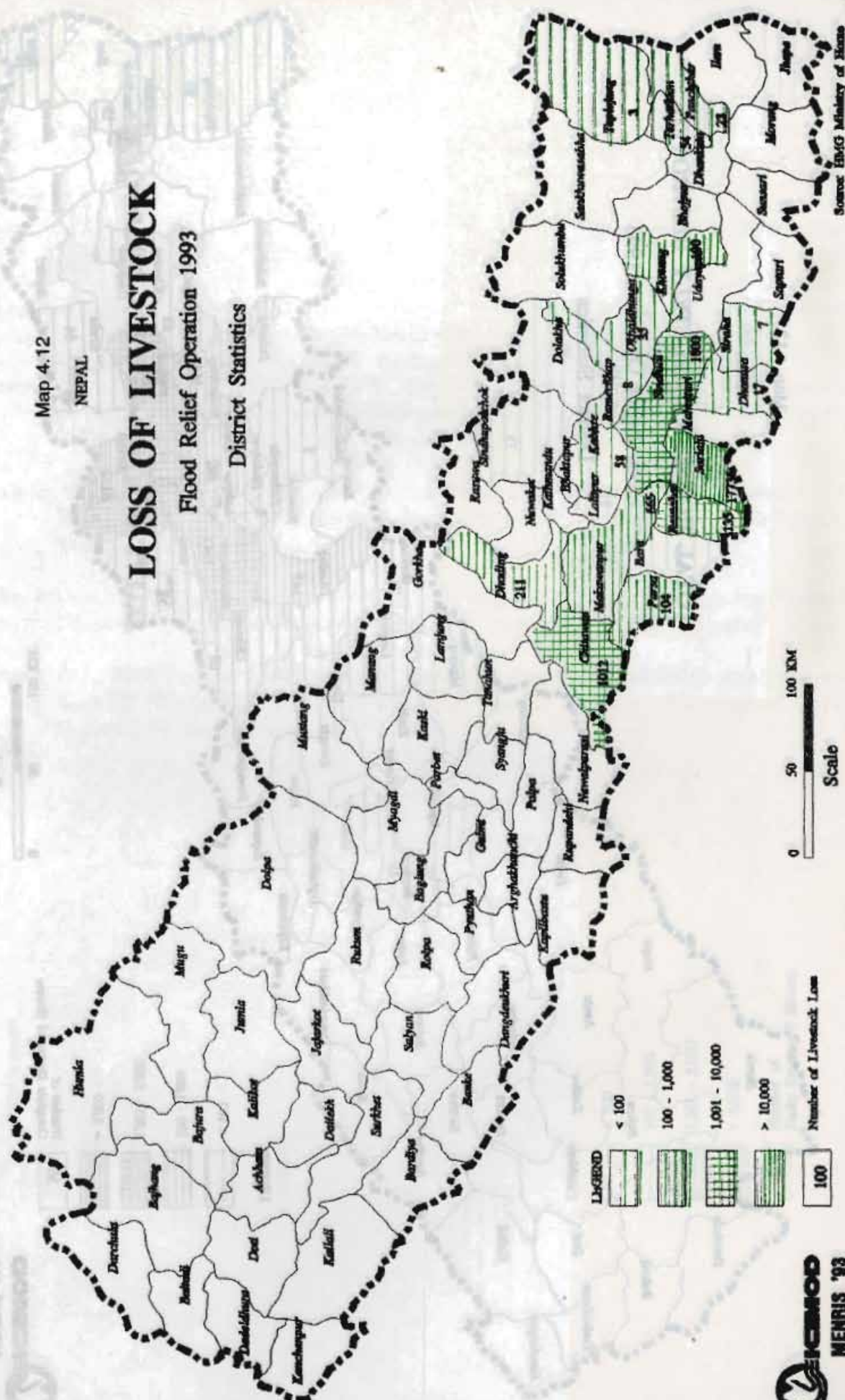


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## LOSS OF LIVESTOCK

Flood Relief Operation 1993

District Statistics

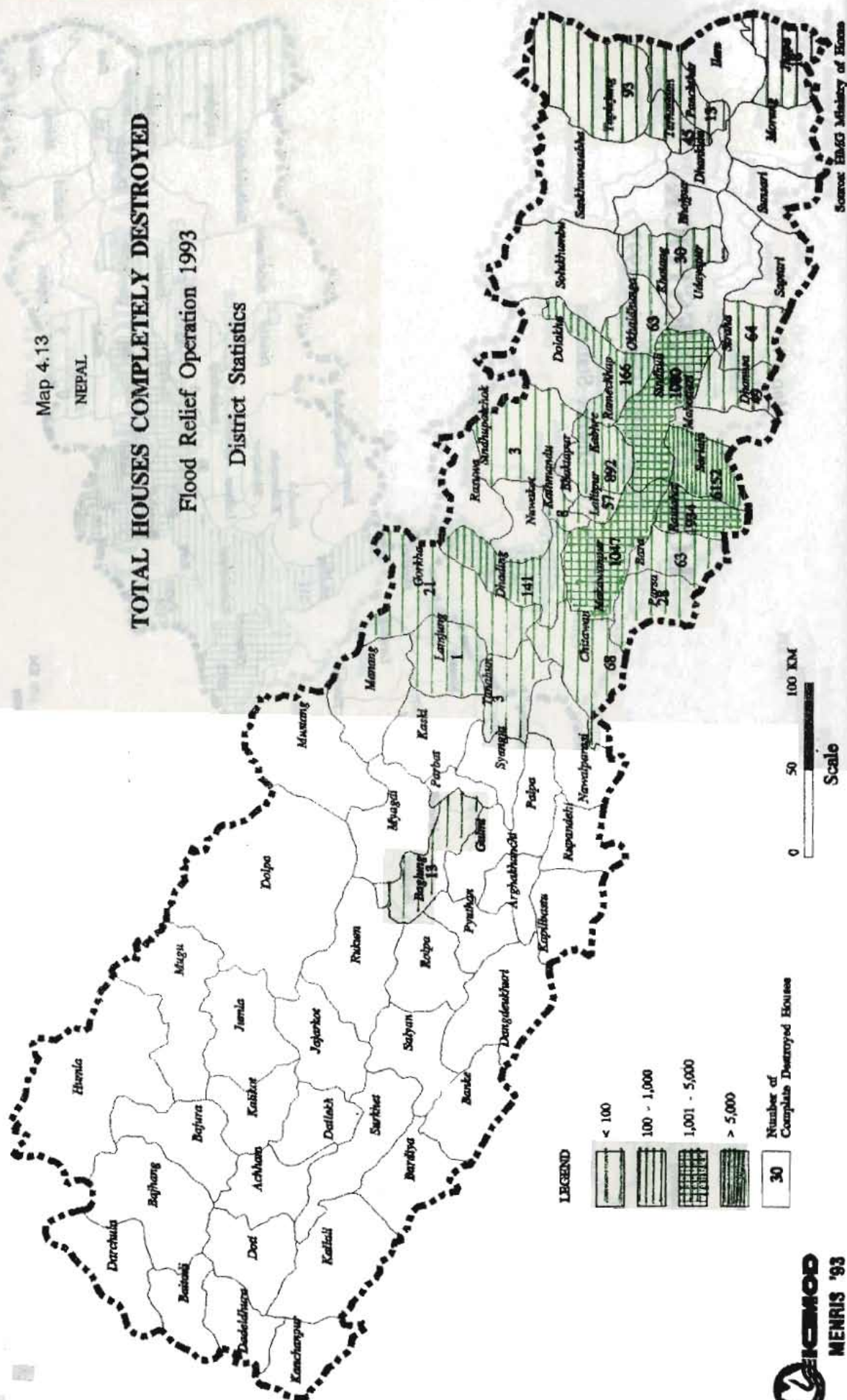


Source: HM Government of Home

**TOTAL HOUSES COMPLETELY DESTROYED**

Flood Relief Operation 1993

## District Statistics



Source: HM/G Ministry of Home

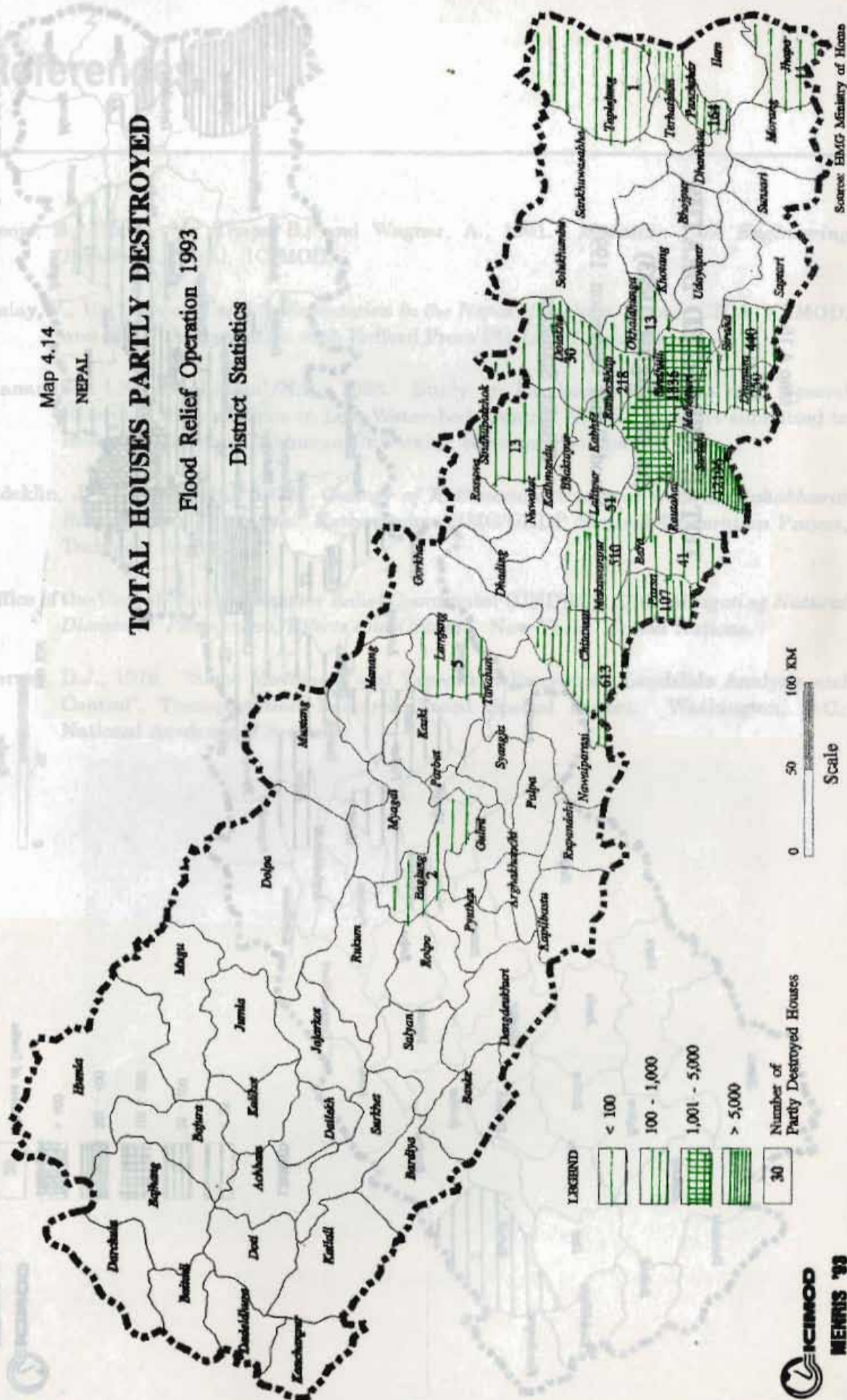


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**TOTAL HOUSES PARTLY DESTROYED**

Flood Relief Operation 1993

District Statistics



Source: HMG Ministry of Home

Map 4.15  
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# TOTAL REPORTED DEATHS

(as of August 1993)

Flood Relief Operation 1993

District Statistics

