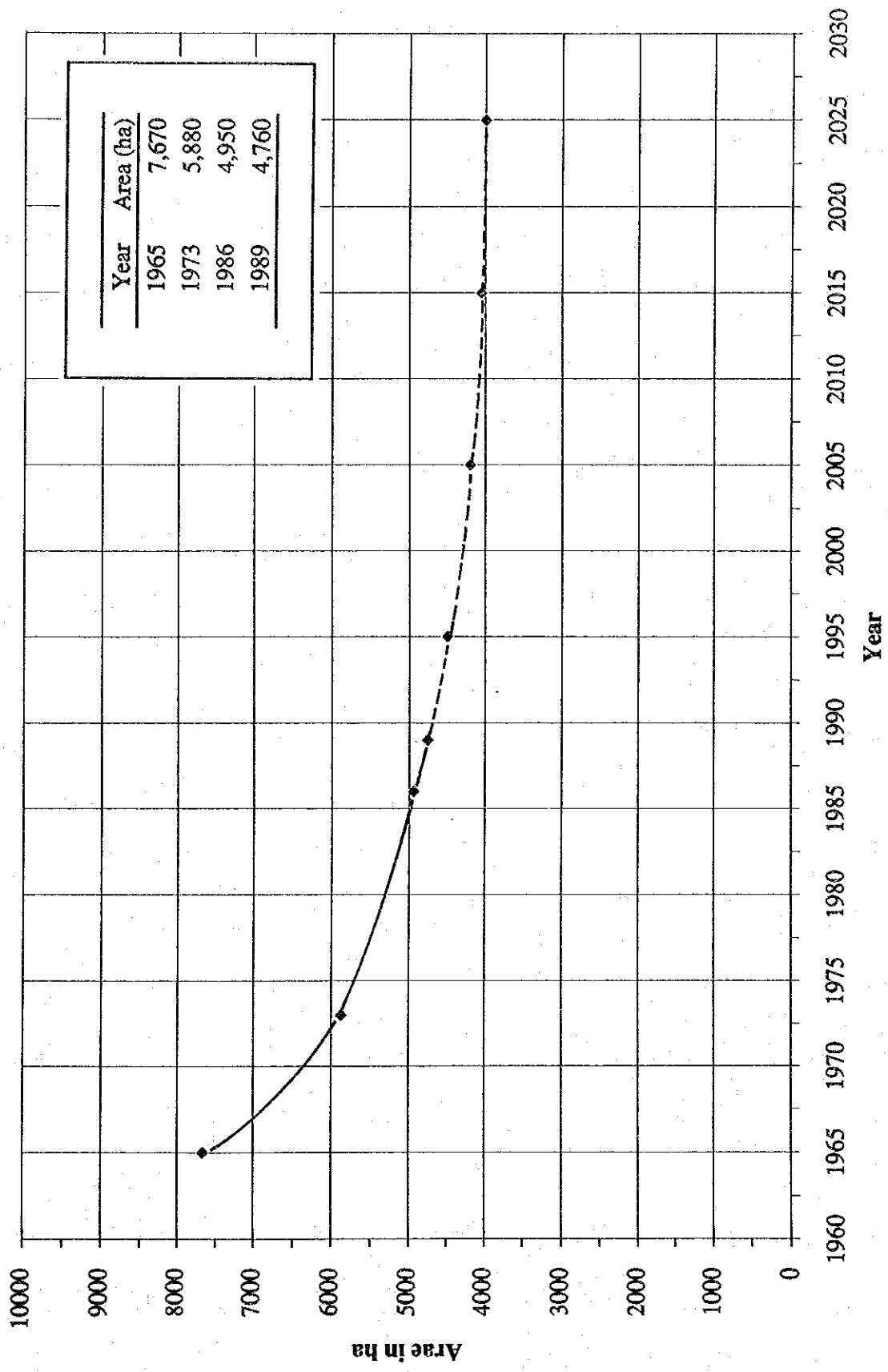


Figure 3.4.1 Existing River Training Works in Dodhara and Chandani Areas

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 WATER RESOURCES DEVELOPMENT OF  
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Source : Mahakali Irrigation Project Office

**Figure 3.4.2** Decrease in Area of Dodhara and Chandani Areas

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 THE UPPER KARNALI RIVER AND MAHAKALI RIVER BASINS  
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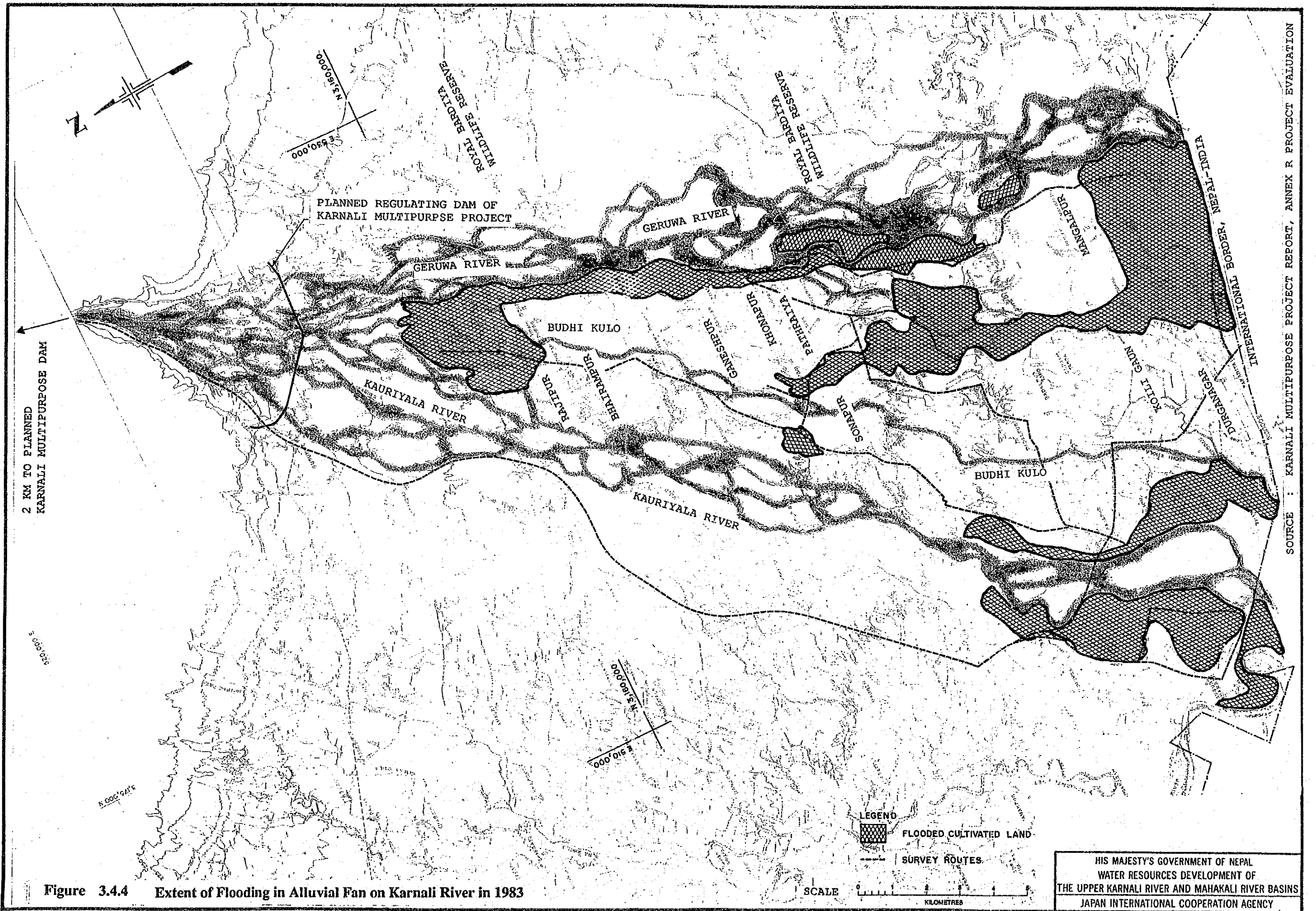
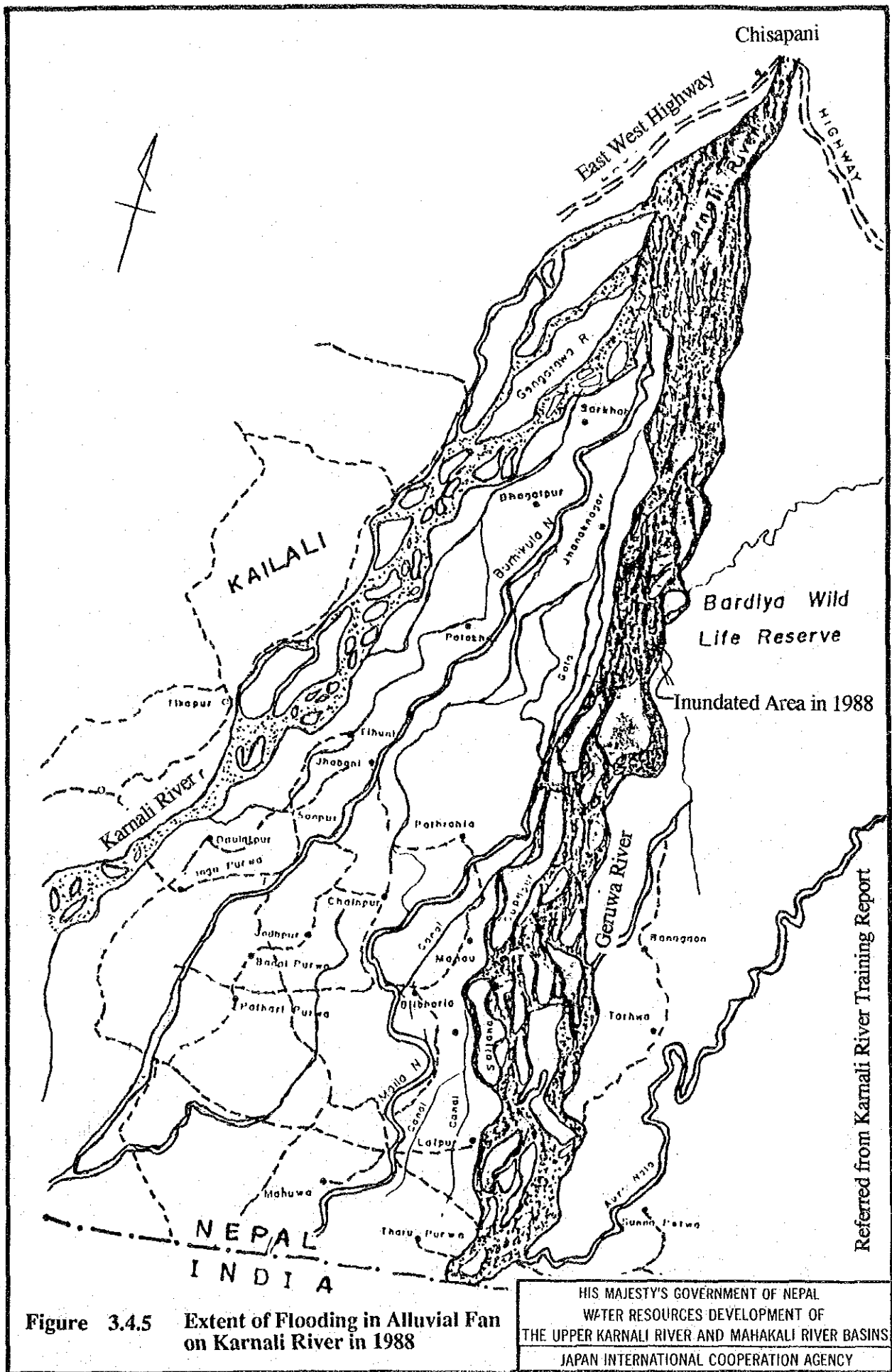


Figure 3.4.4 Extent of Flooding in Alluvial Fan on Karnali River in 1983

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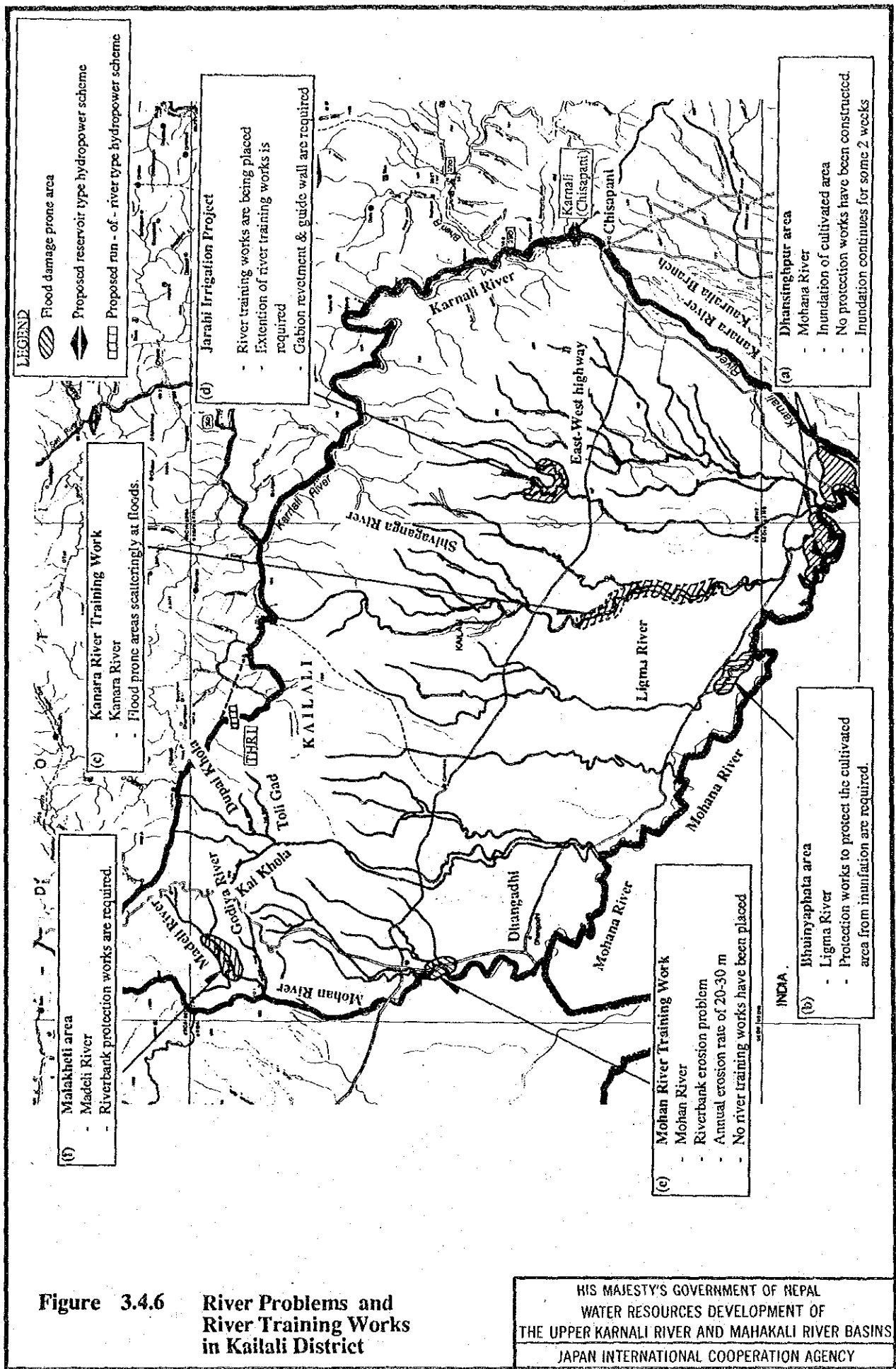
**Figure 3.4.5** Extent of Flooding in Alluvial Fan on Karnali River in 1988

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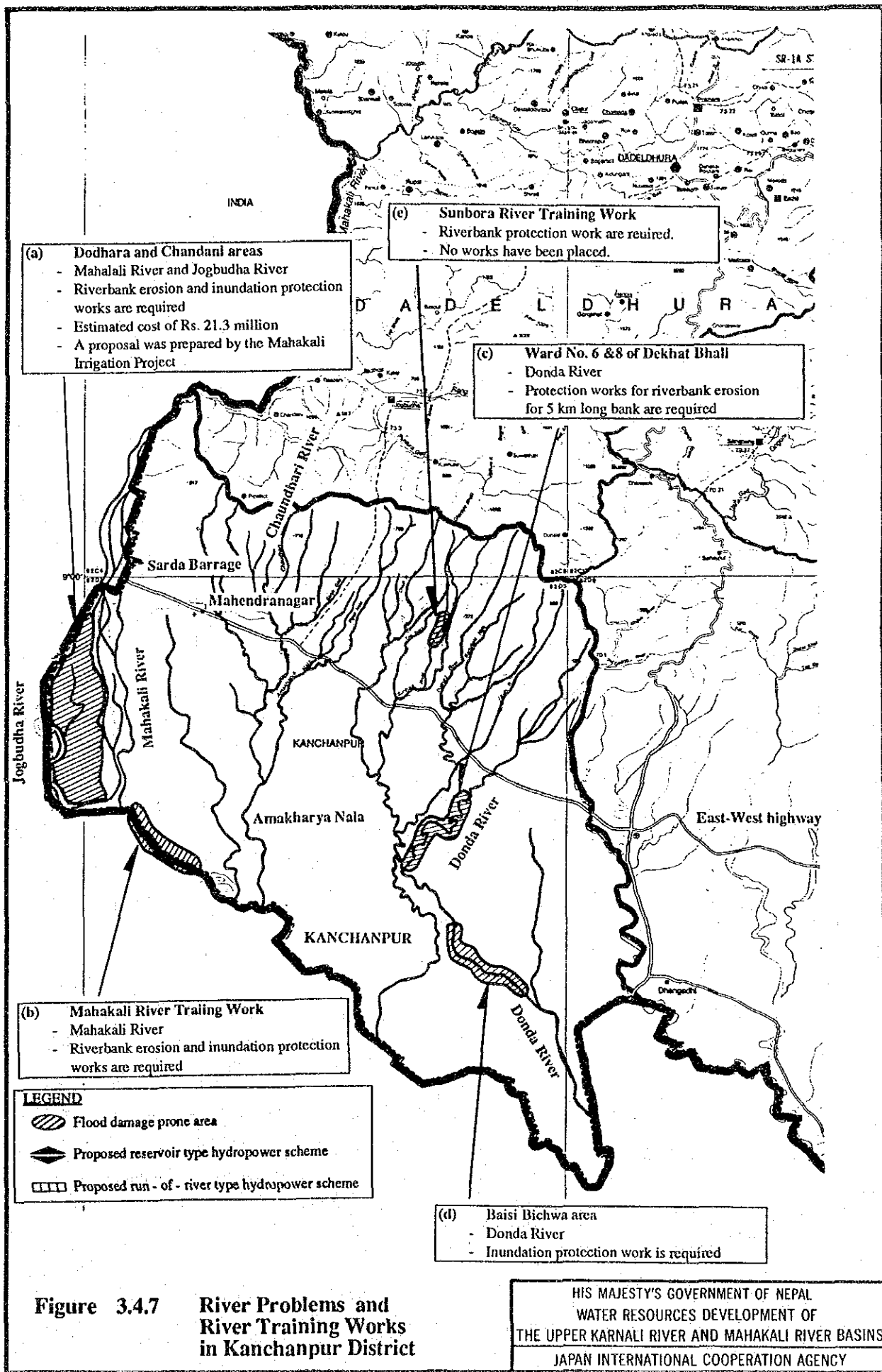
Referred from Karnali River Training Report



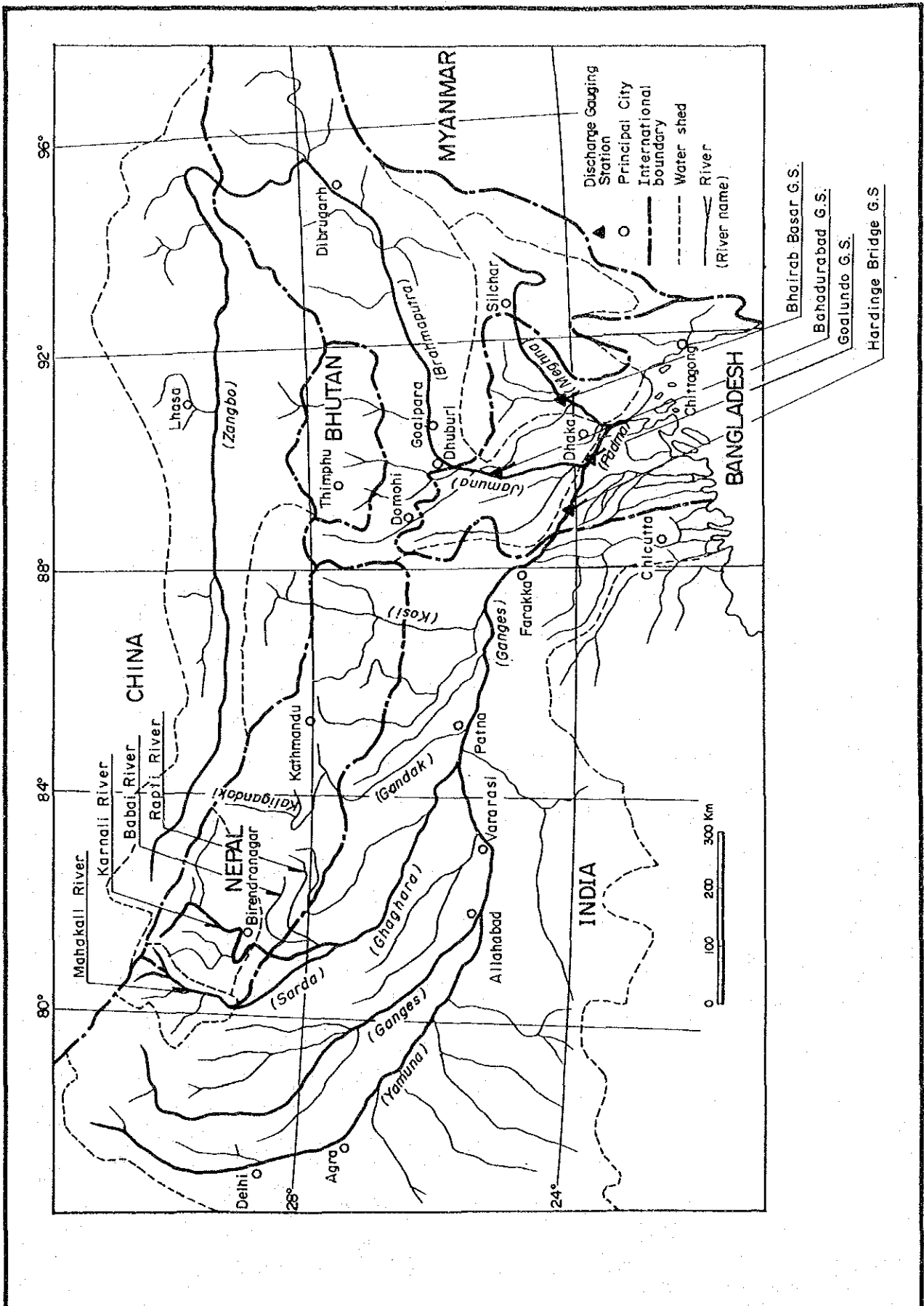








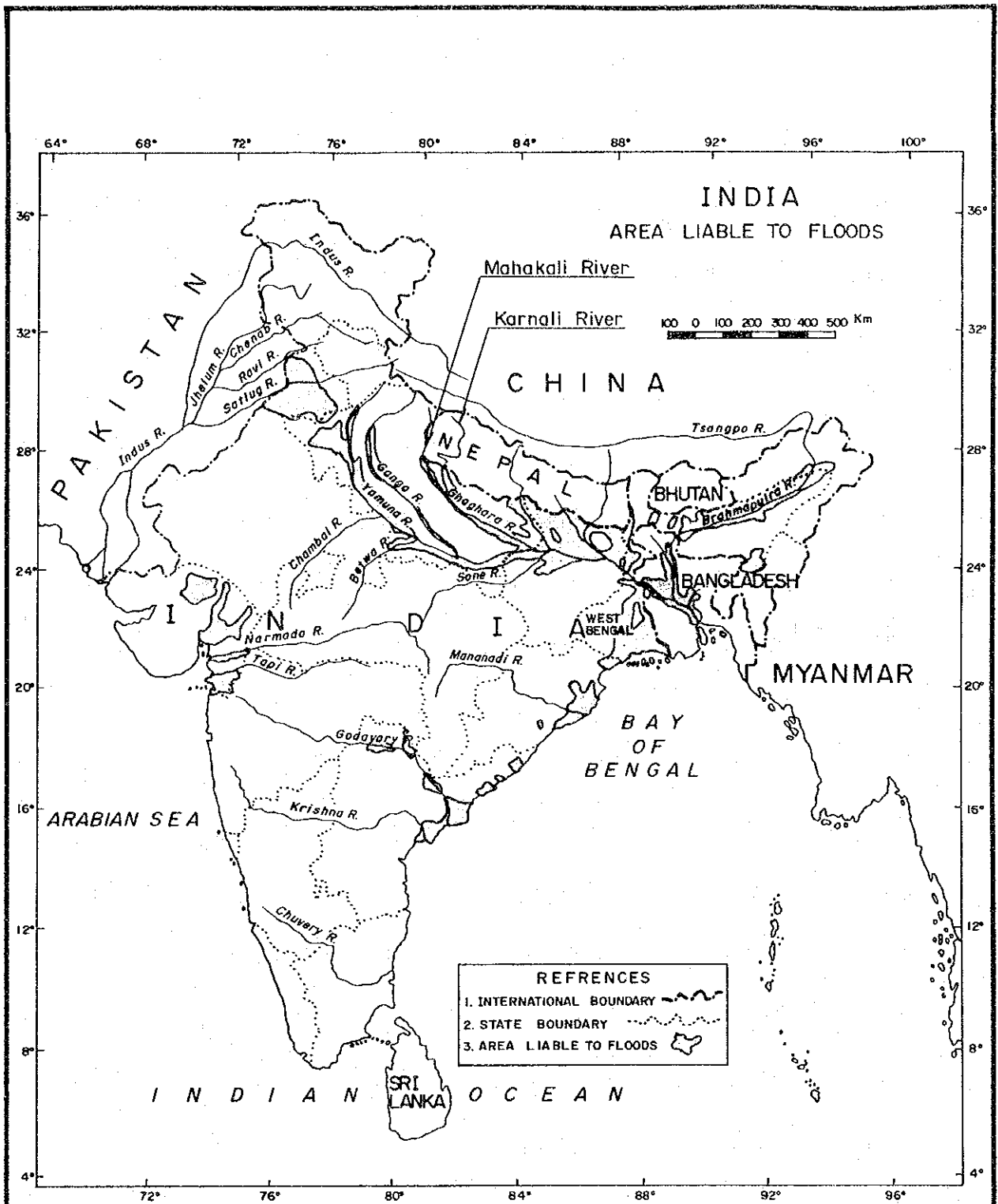




**Figure 3.5.1** Location Map of Major Rivers Flowing to Bangladesh

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Source : "Flood Atlas of India" Central Water Commission,  
Ministry of Water Resources Government of India

**Figure 3.5.2** Area Liable to Floods  
in India and Bangladesh

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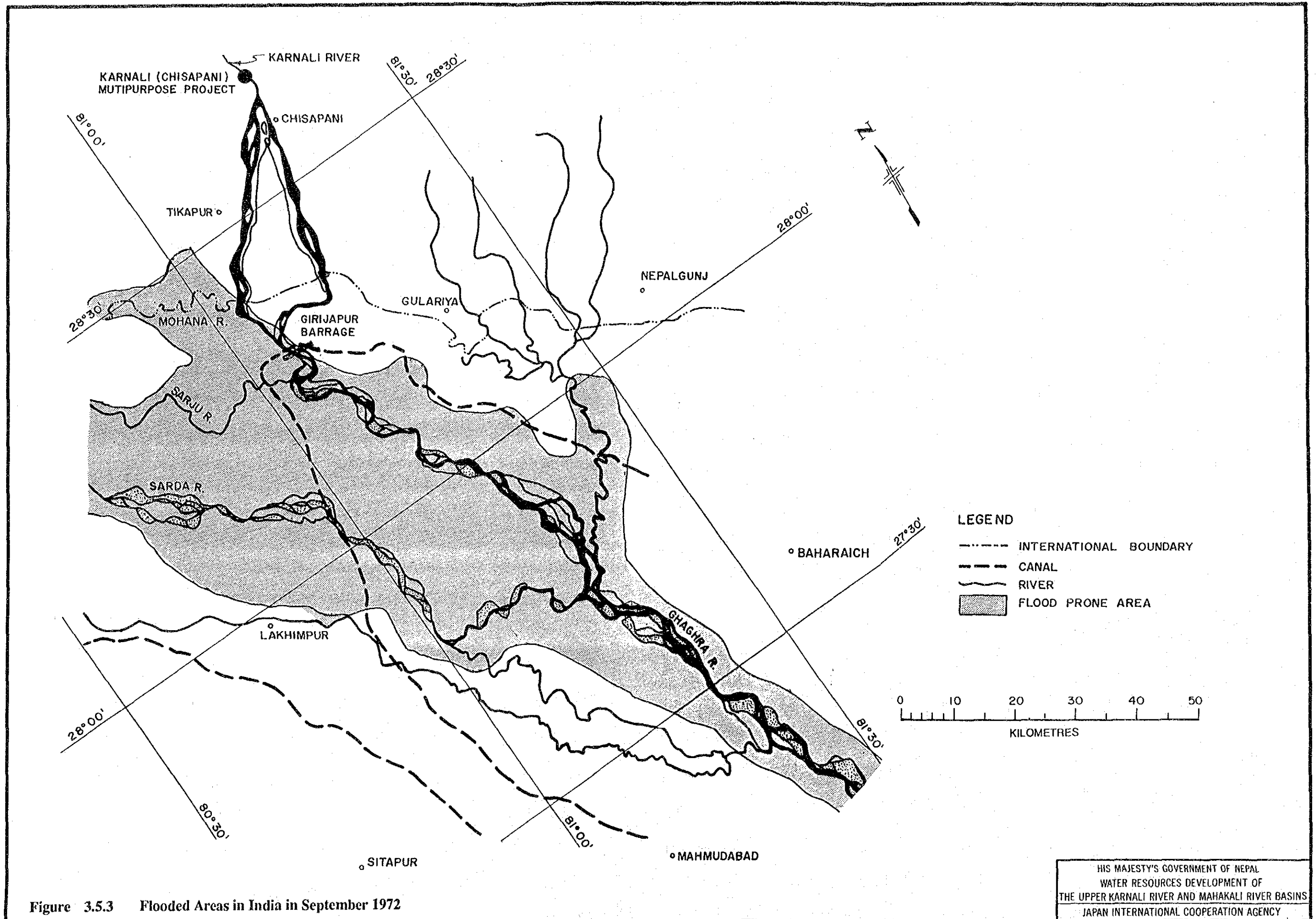
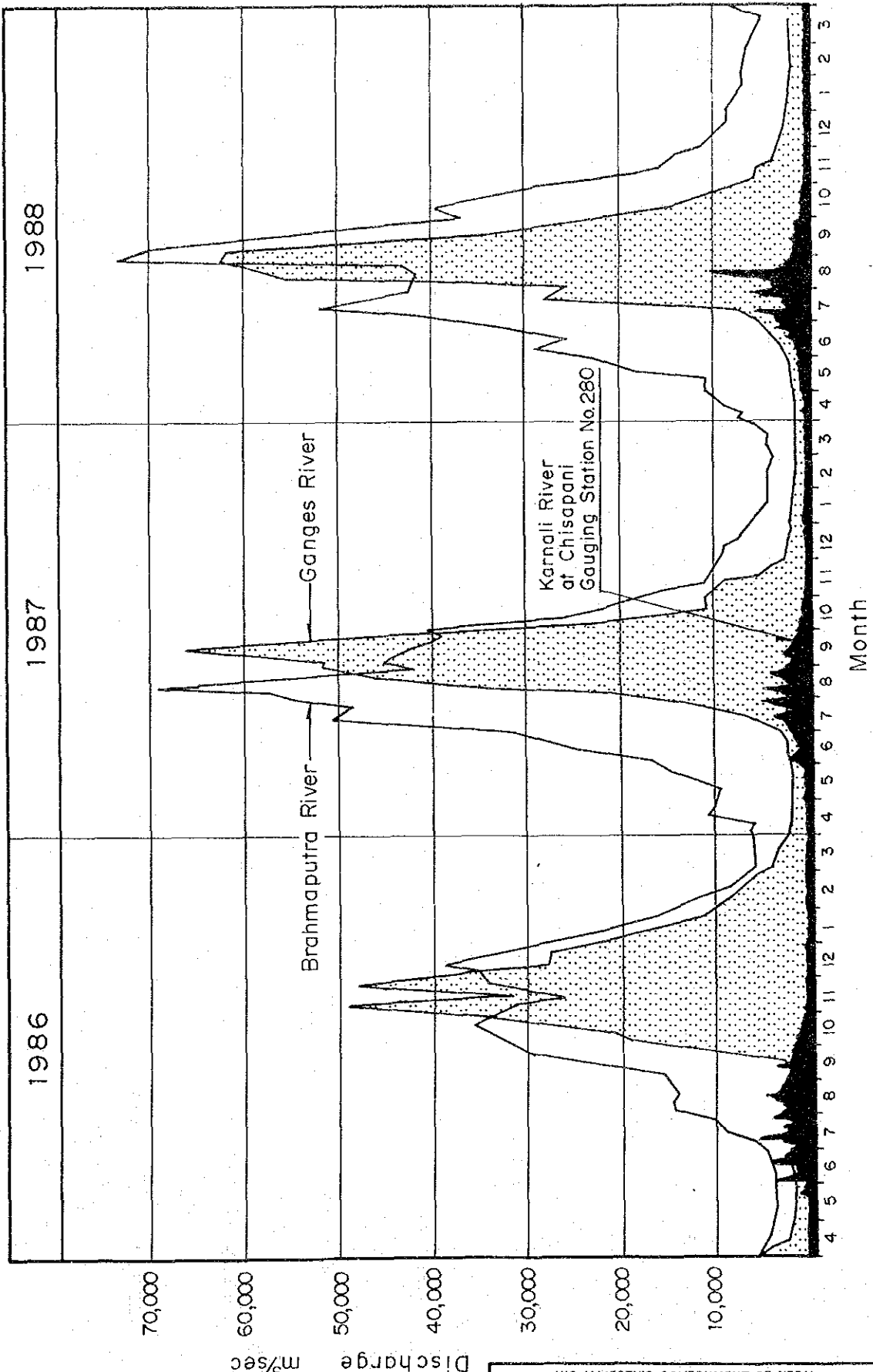


Figure 3.5.3 Flooded Areas in India in September 1972







**Figure 3.5.4** Flow Diagram of Brahmaputra and Ganges Rivers in Bangladesh from 1986 to 1988 (1/2)

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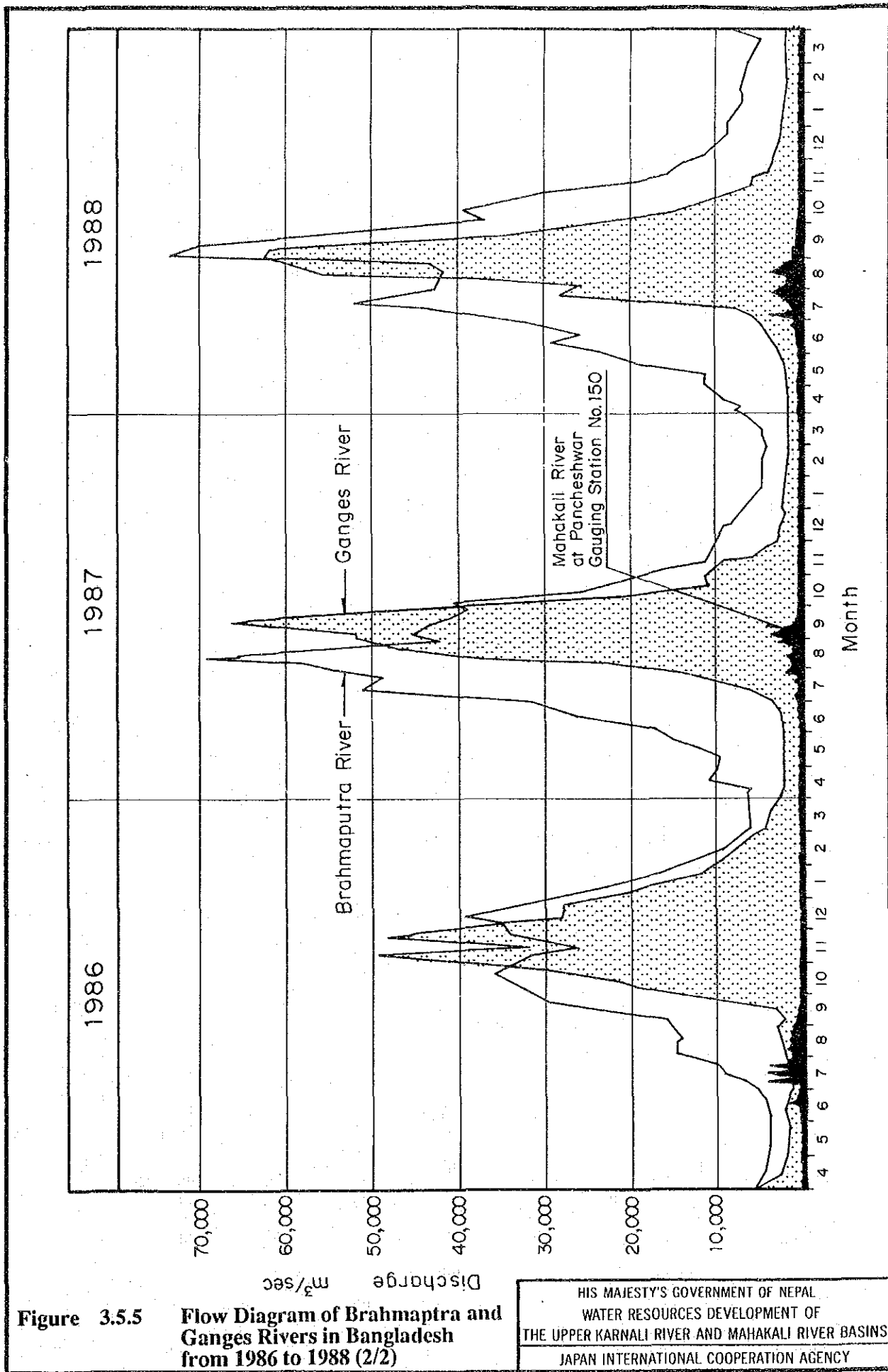


Figure 3.5.5

Flow Diagram of Brahmaputra and Ganges Rivers in Bangladesh from 1986 to 1988 (2/2)

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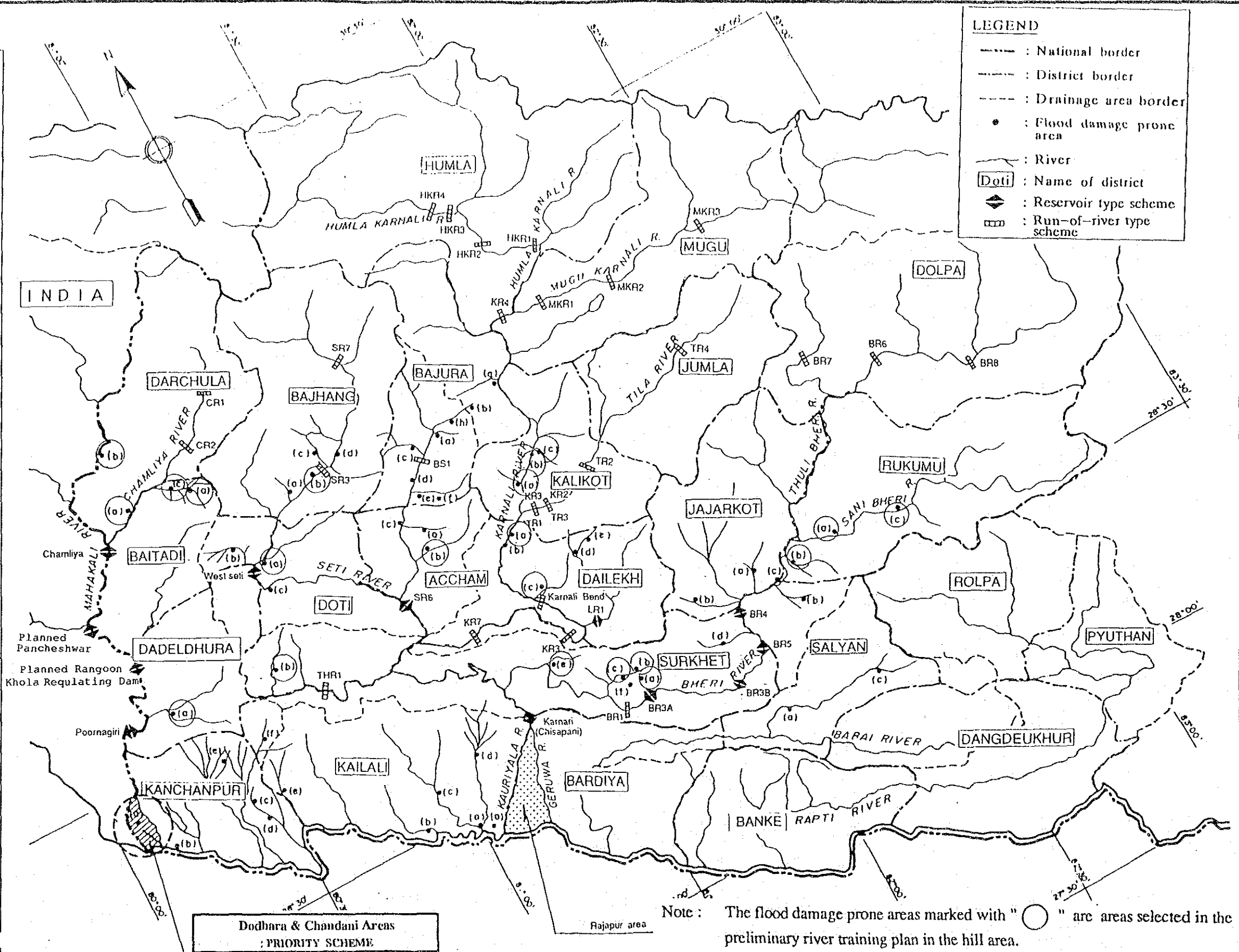
List of Flood Damage Prone Areas

1. Surkhet
  - (a) Birestranagar Ward No. 8,10, 12
  - (b) Birestranagar ward 11,12
  - (c) Birestranagar ward 1 & 2
  - (d) Kats, Sonta, Cholsa, Dalakura
  - (e) Chispaug
  - (f) Birestranagar ward 4 & 8
2. Rukum
  - (a) Belajun
  - (b) Jari Khola River Training Works
  - (c) Dhasne Nagar
3. Salyan
  - (a) Sharda Khola
  - (b) Manu Khola
  - (c) Lahan Khola
4. Dallekh
  - (a) Rakam
  - (b) Singauri
  - (c) Dhamsaun
  - (d) Basai
  - (e) Kounadir
5. Kalikot
  - (a) Serijula
  - (b) Ramnakot & Lapla
  - (c) Lapla Gad
6. Jajarkot
  - (a) Panma
  - (b) Junga Thasochow
  - (c) Japatipur
7. Bajhan
  - (a) Choughali
  - (b) Chopakhe and Deval areas
  - (c) Dogad
  - (d) Kambagar
8. Baitadi
  - (a) Parchaundi Hat
  - (b) Dung Gad
  - (c) Jamari Gad
9. Bajura
  - (a) Bauli
  - (b) Chatabagar
  - (c) Budhi Ganga
  - (d) Kuldavamandu & Brahmatola
  - (e) Kailashmandu
  - (f) Simla
  - (g) Bolduk
  - (h) Pandusain
10. Achham
  - (a) Chipiya Khola River
  - (b) Payal
  - (c) Saphe
11. Dadeldhura
  - (a) Jogbudha
12. Doti
  - (a) Tarala
  - (b) Laxminagar
  - (c) Bhandungrissaim
13. Darchula
  - (a) Banga Bagar
  - (b) Noti Bazar
14. Kailali
  - (a) Dhansingpur
  - (b) Bhainsyphata
  - (c) Kanara River
  - (d) Mohan River
15. Kanchanpur
  - (a) Dodhara & Chandani
  - (b) Dekhai Bhali ward No.6&8
  - (c) Basni Bichwa

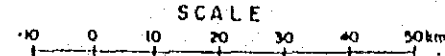
Note: Areas attached with "\*" are areas selected in the preliminary river training plan of this study in the hill area.

**LEGEND**

- : National border
- : District border
- : Drainage area border
- : Flood damage prone area
- : River
- [Doti] : Name of district
- ◊ : Reservoir type scheme
- ▣ : Run-of-river type scheme



Note: The flood damage prone areas marked with "○" are areas selected in the preliminary river training plan in the hill area.



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Figure 4.2.1 Location Map of Flood Damage Prone Areas in the Study Area

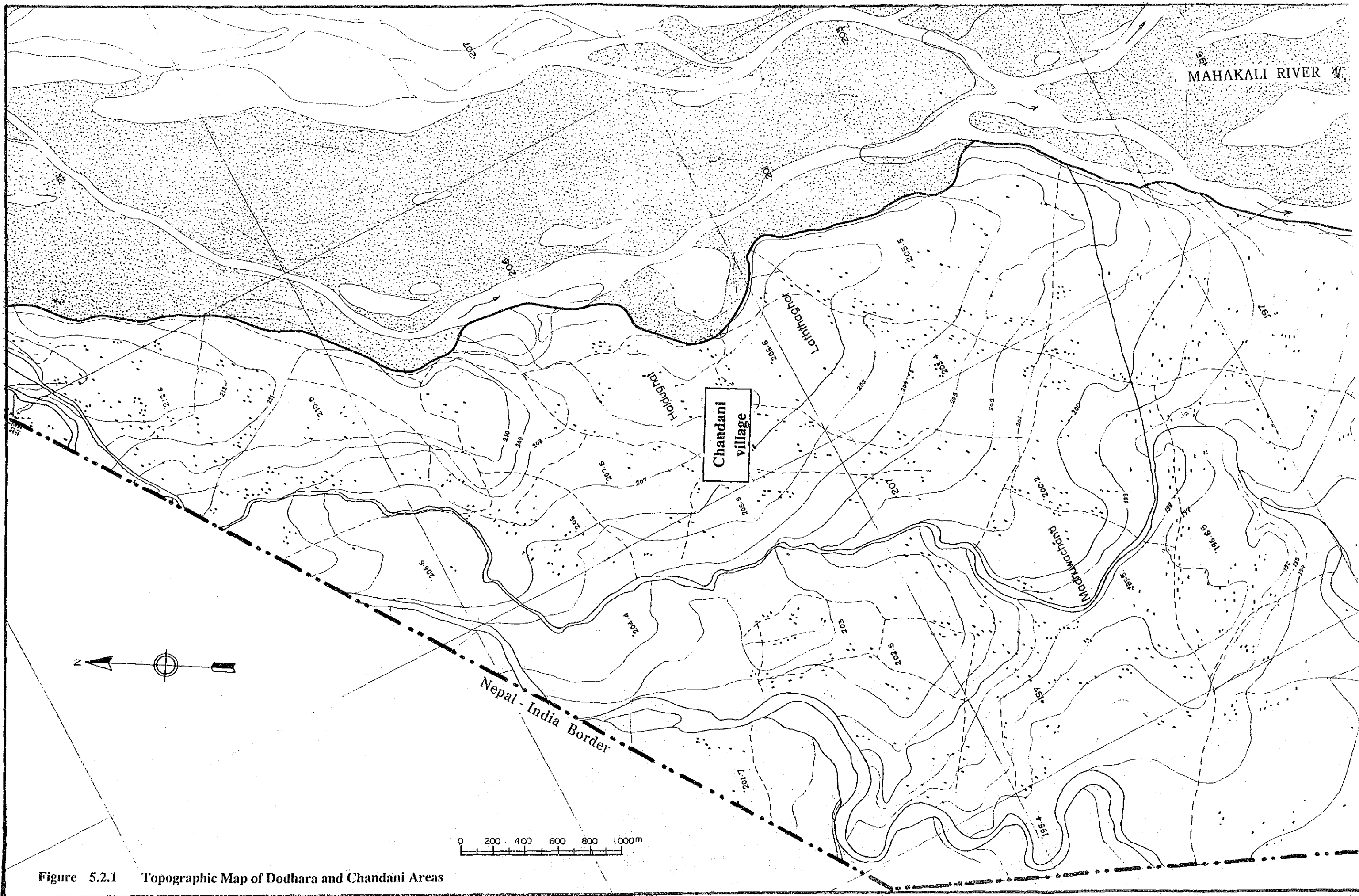
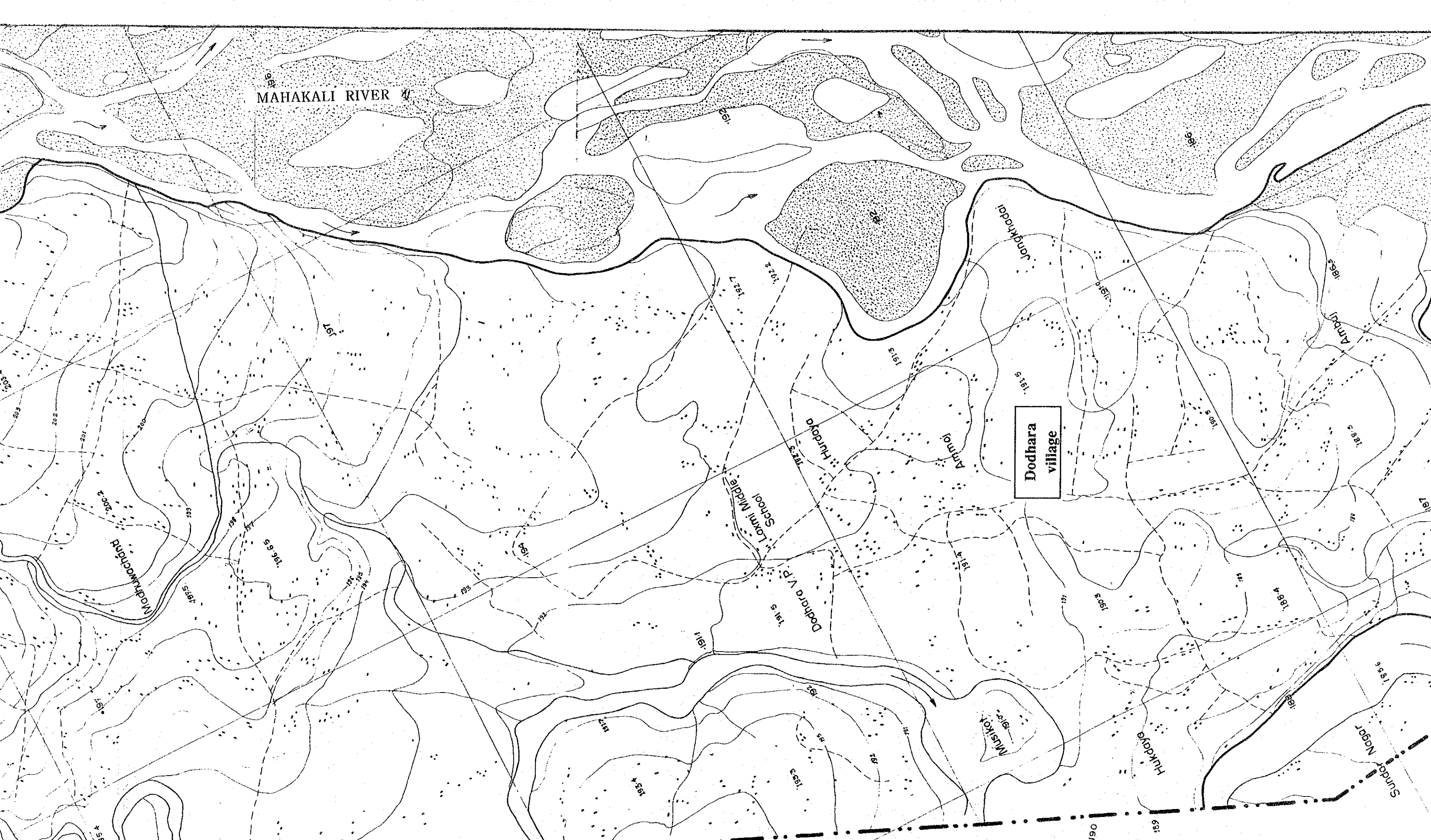


Figure 5.2.1 Topographic Map of Dodhara and Chandani Areas

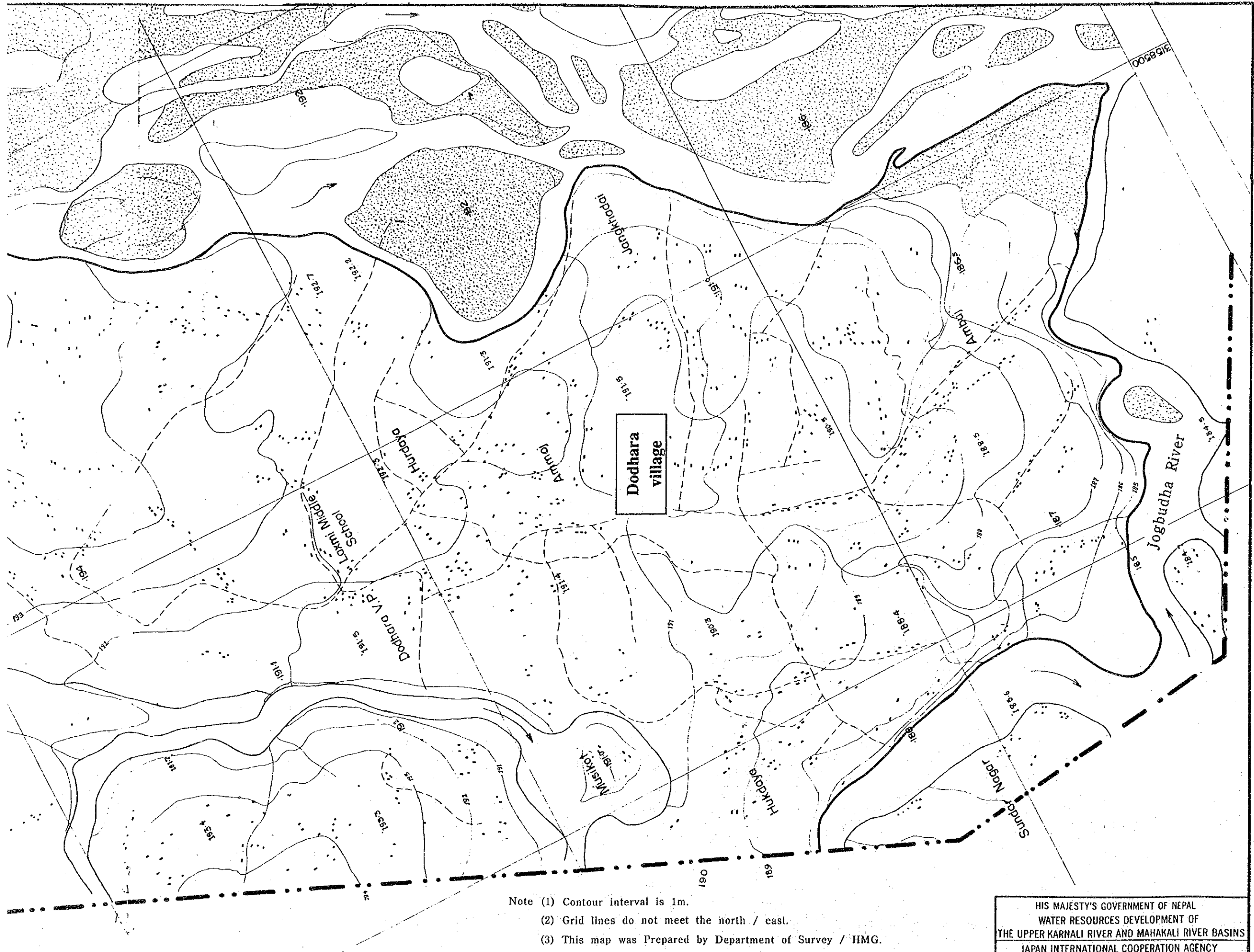


MAHAKALI RIVER

Dodhara  
village

- Note (1) Contour interval is 1m.  
 (2) Grid lines do not meet the north / east.  
 (3) This map was Prepared by Department of Survey / HMG.

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Note (1) Contour interval is 1m.  
 (2) Grid lines do not meet the north / east.  
 (3) This map was Prepared by Department of Survey / HMG.

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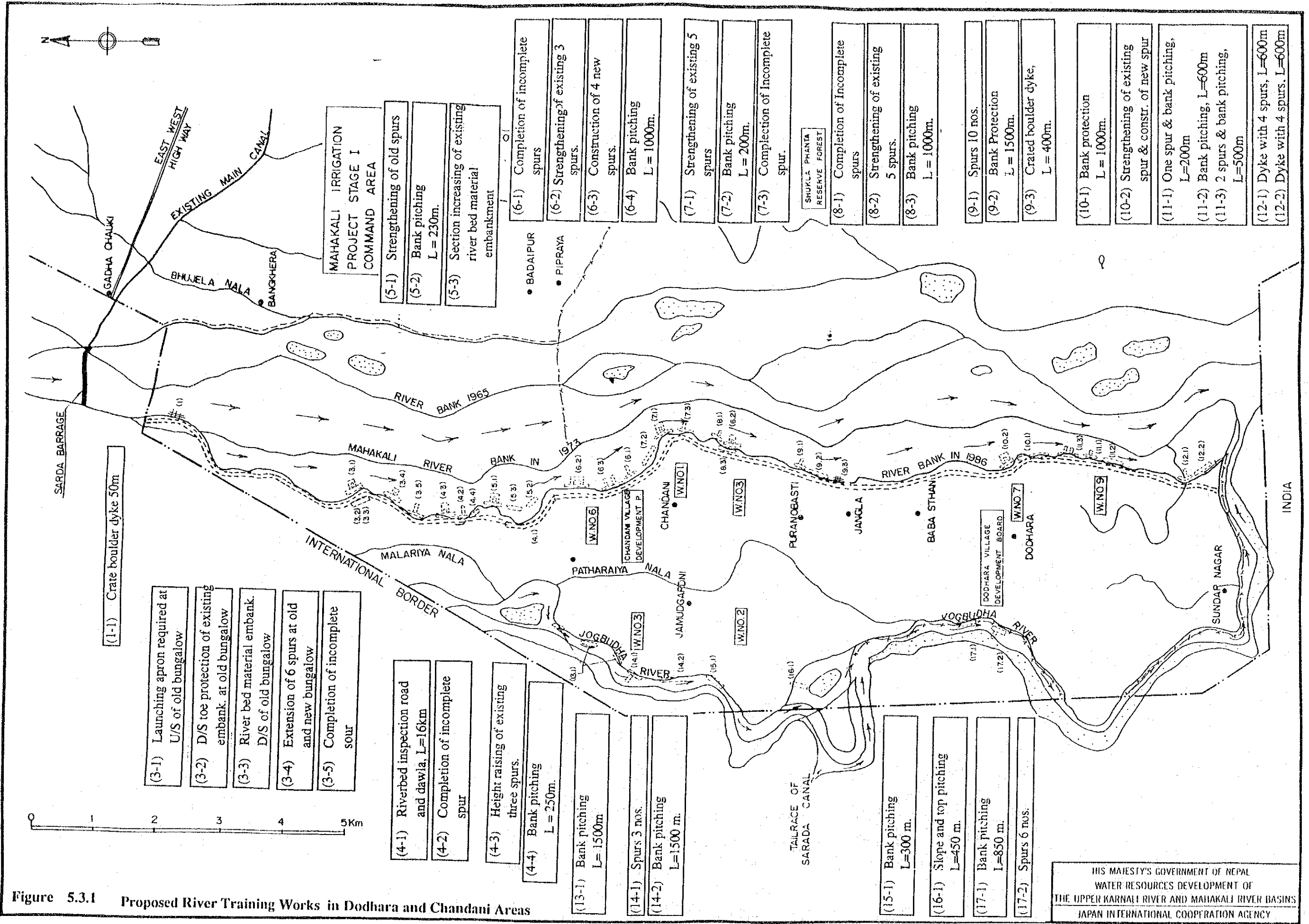


Figure 5.3.1 Proposed River Training Works in Dodhara and Chandani Areas

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