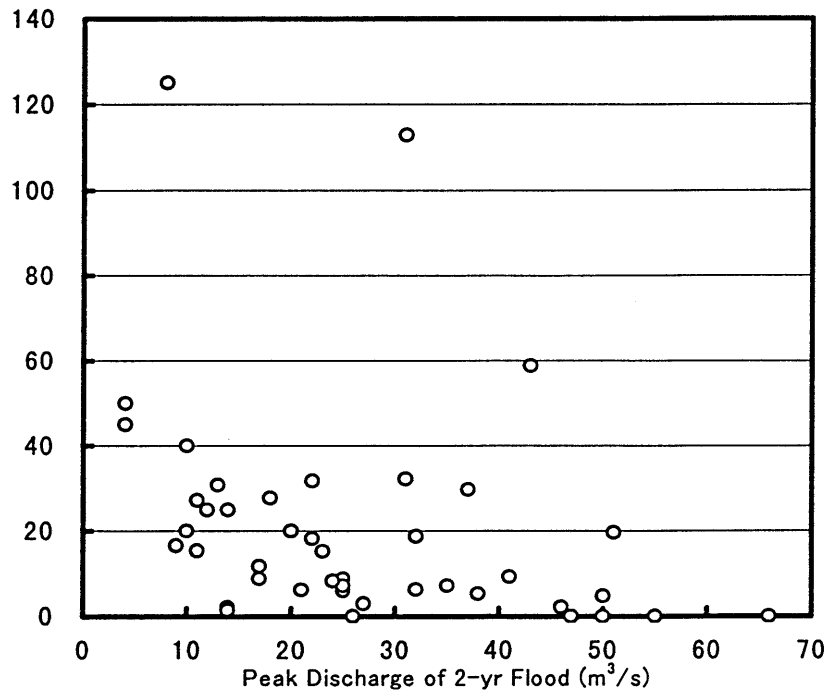


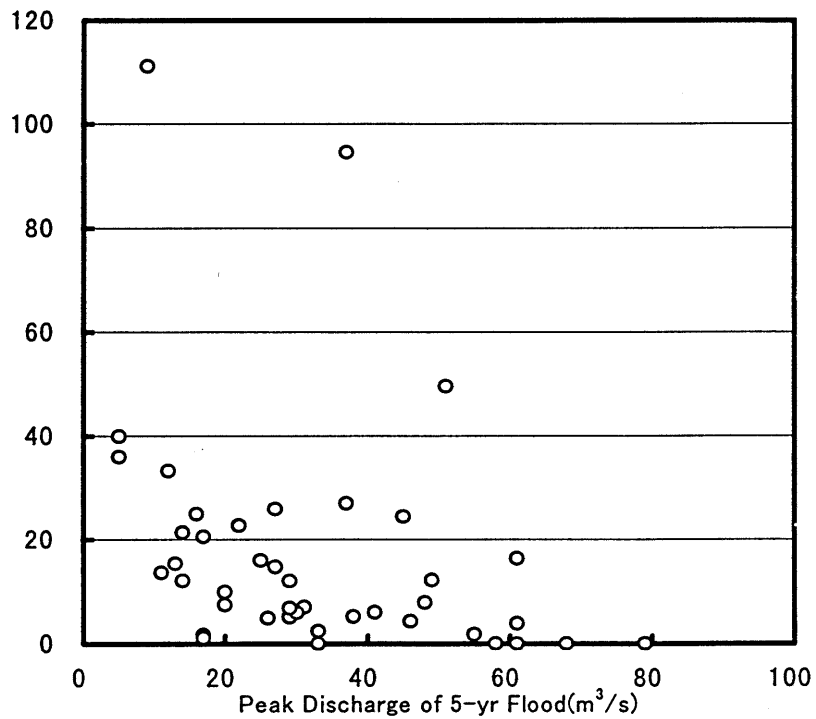
Ratio of Drainage
Capacity to 2-yr
Flood (%)

2-yr Flood in Sg. Petani



Ratio of Drainage
Capacity to 5-yr
Flood (%)

5-yr Flood in Sg. Petani

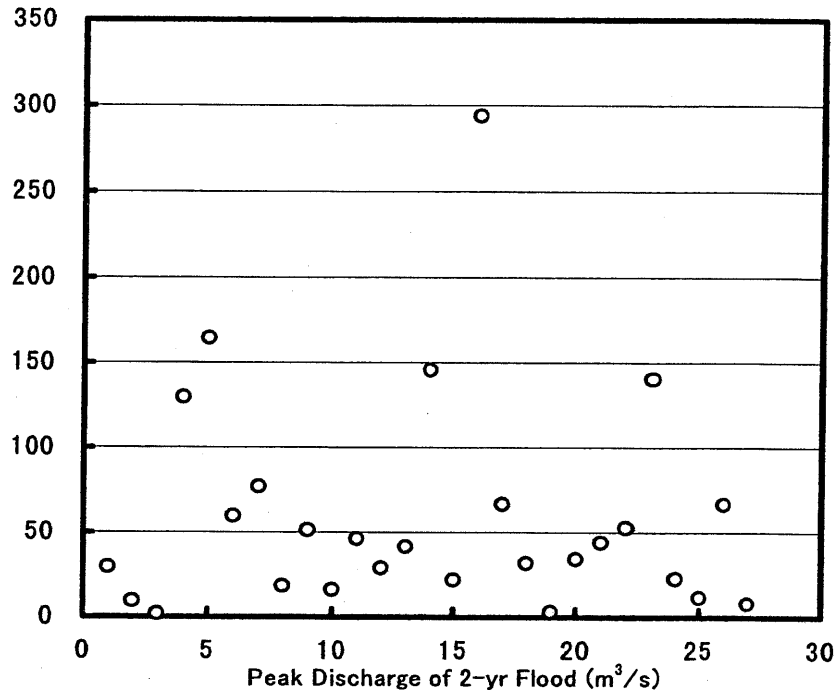


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Fig. IV-8(1/2)
Comparison between Drainage Flow
Capacity and Probable Flood Discharge
under Present Conditions (Sungai Petani)

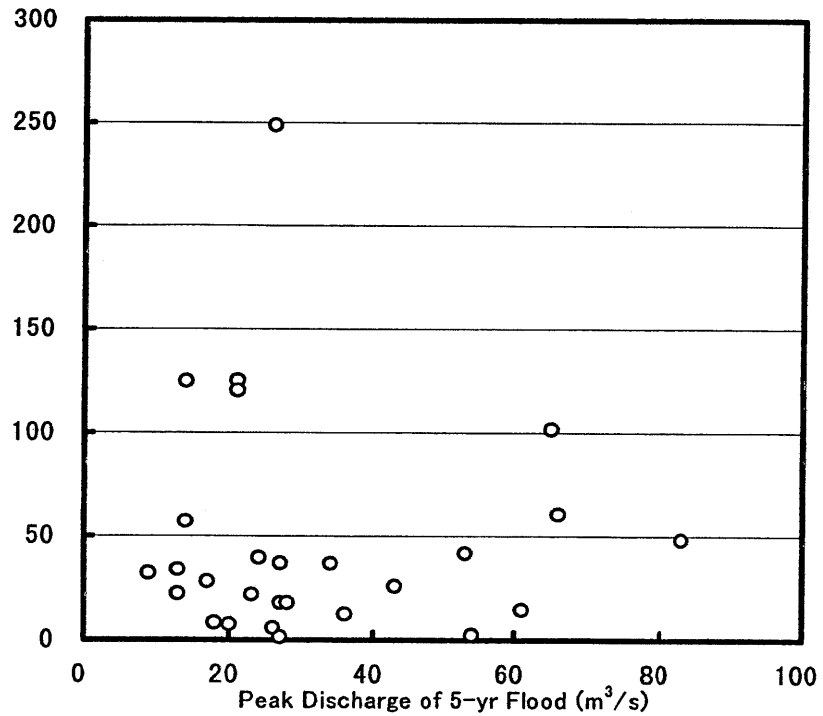
Ratio of Drainage Capacity to 2-yr Flood (%)

2-yr Flood in Melaka



Ratio of Drainage Capacity to 5-yr Flood (%)

5-yr Flood in Melaka



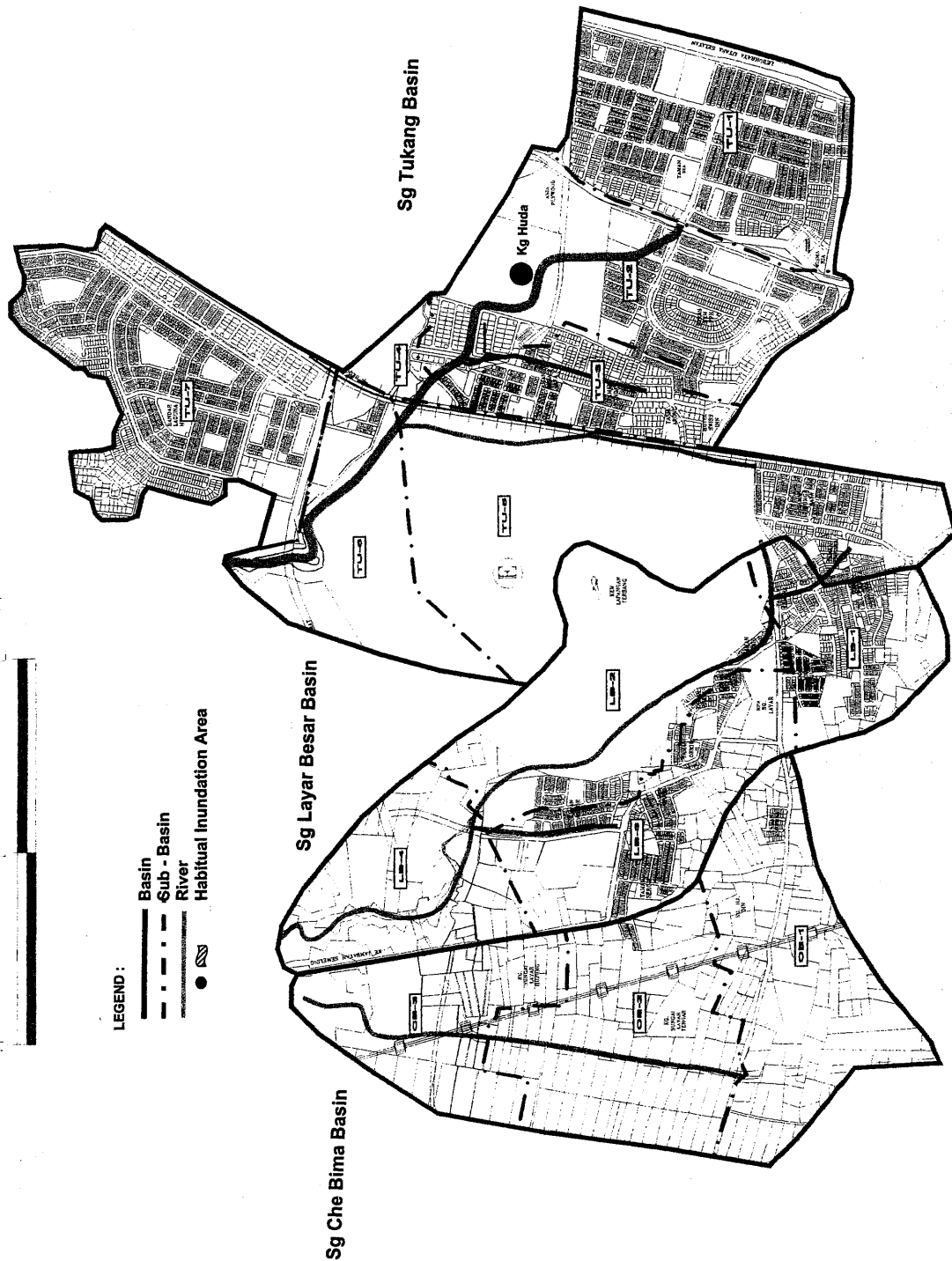
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Fig. IV-8(2/2)
 Comparison between Drainage Flow Capacity and Probable Flood Discharge under Present Conditions (Melaka)



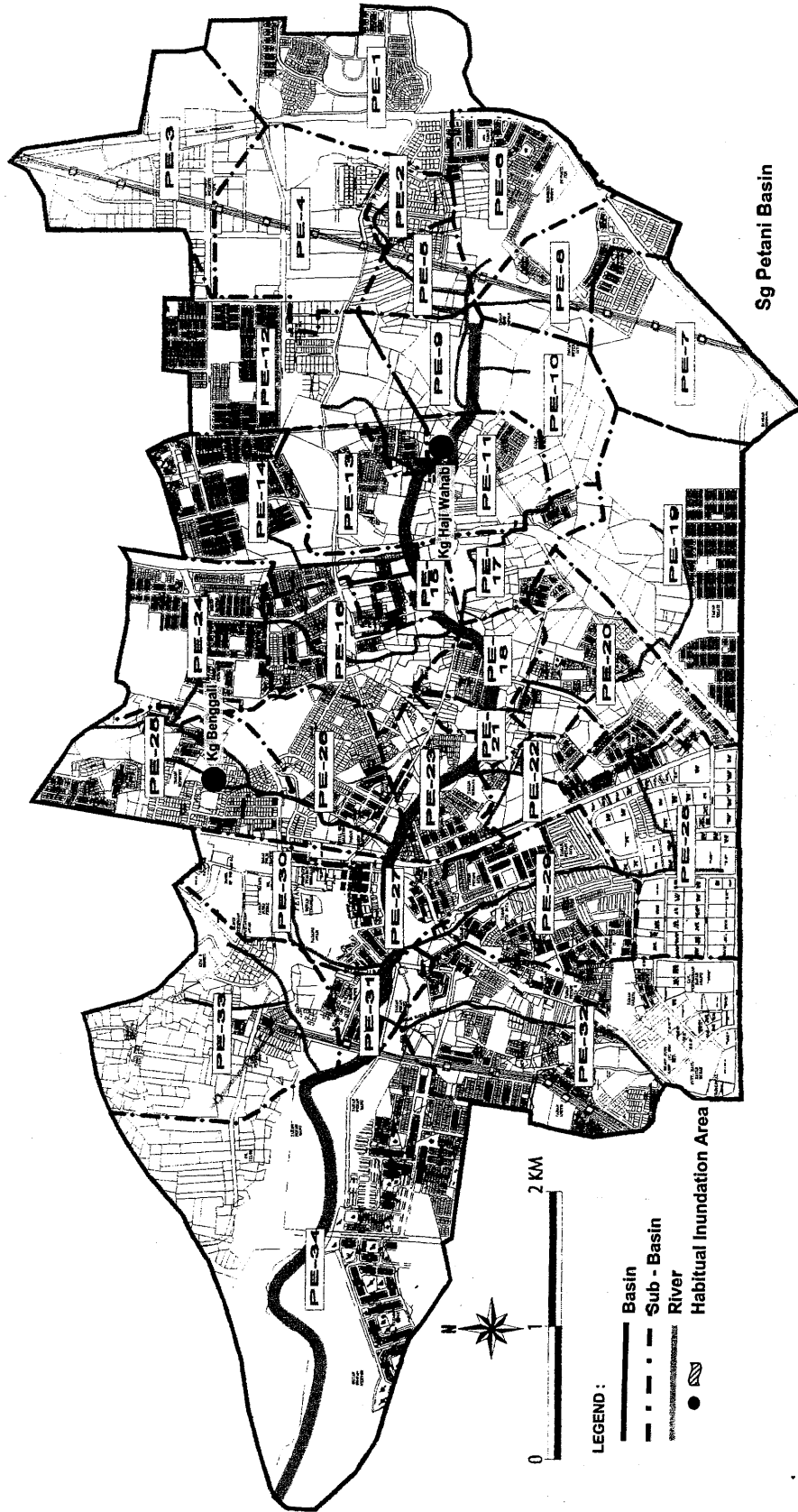
LEGEND :

- Basin
- Sub - Basin
- River
- Habitual Inundation Area



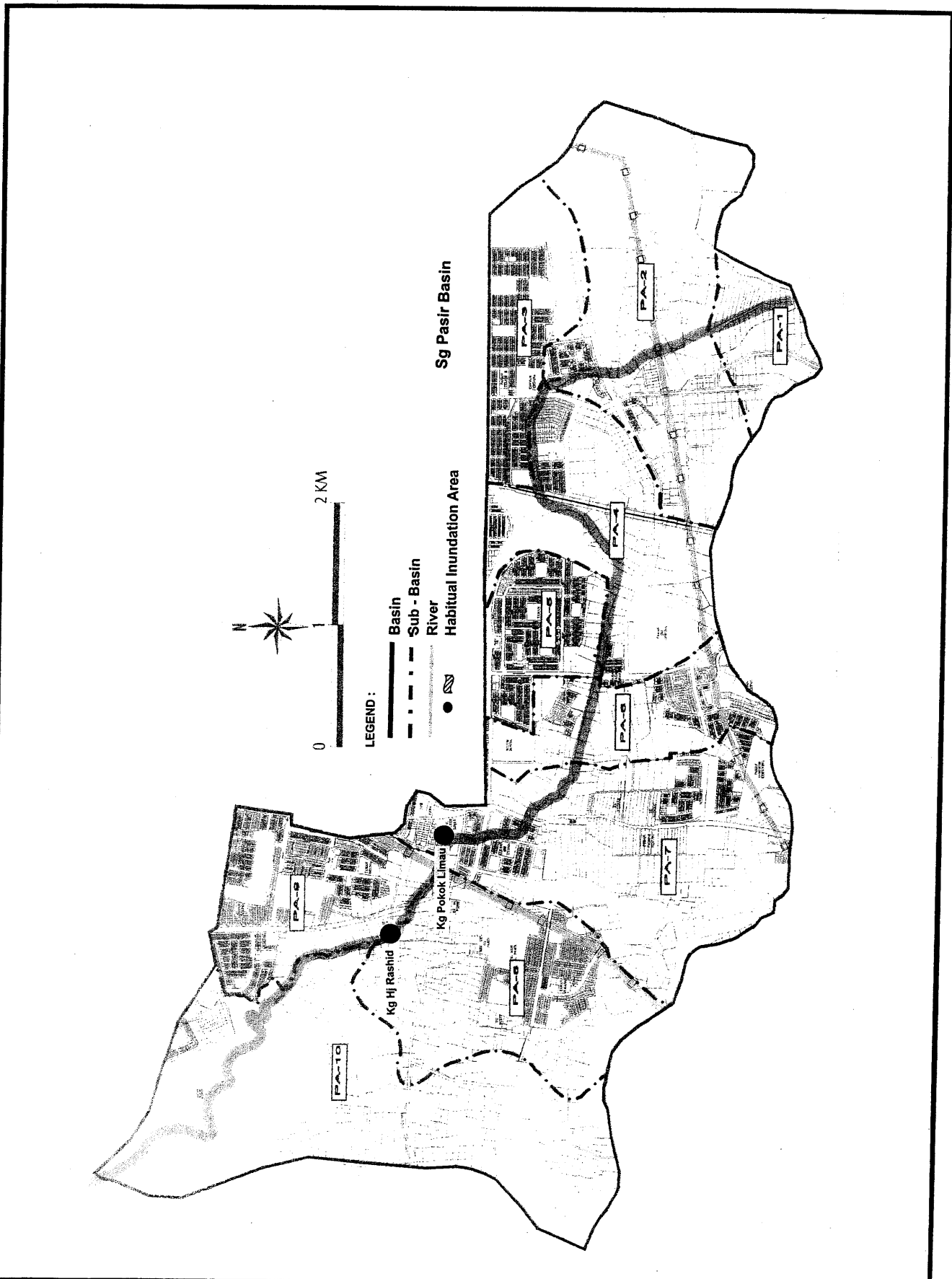
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Fig. IV-9(1/5)
Habitual Inundation Area
(Sg. Tukang Basin)



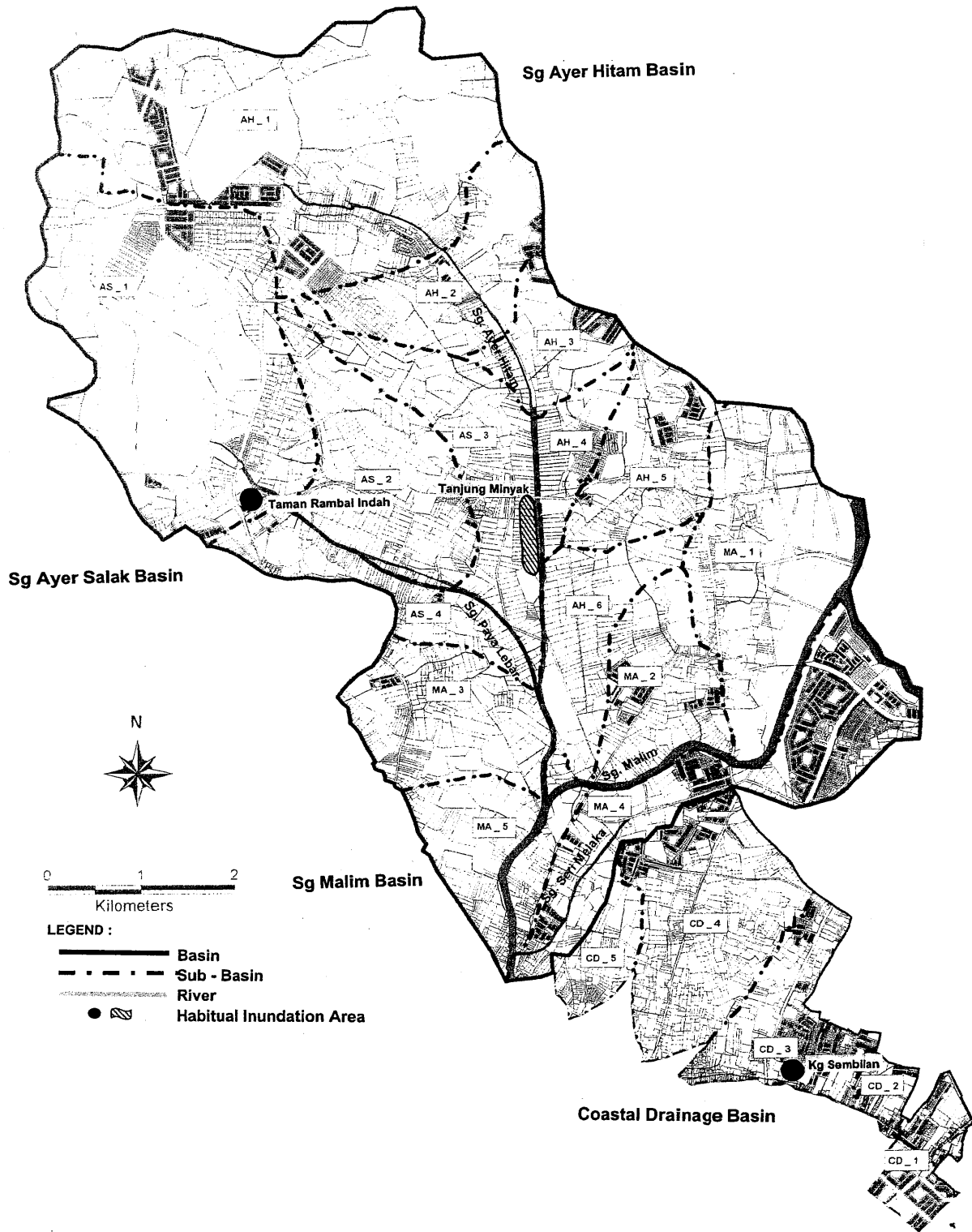
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Fig. IV-9(2/5)
 Habitual Inundation Area
 (Sg. Petani Basin)



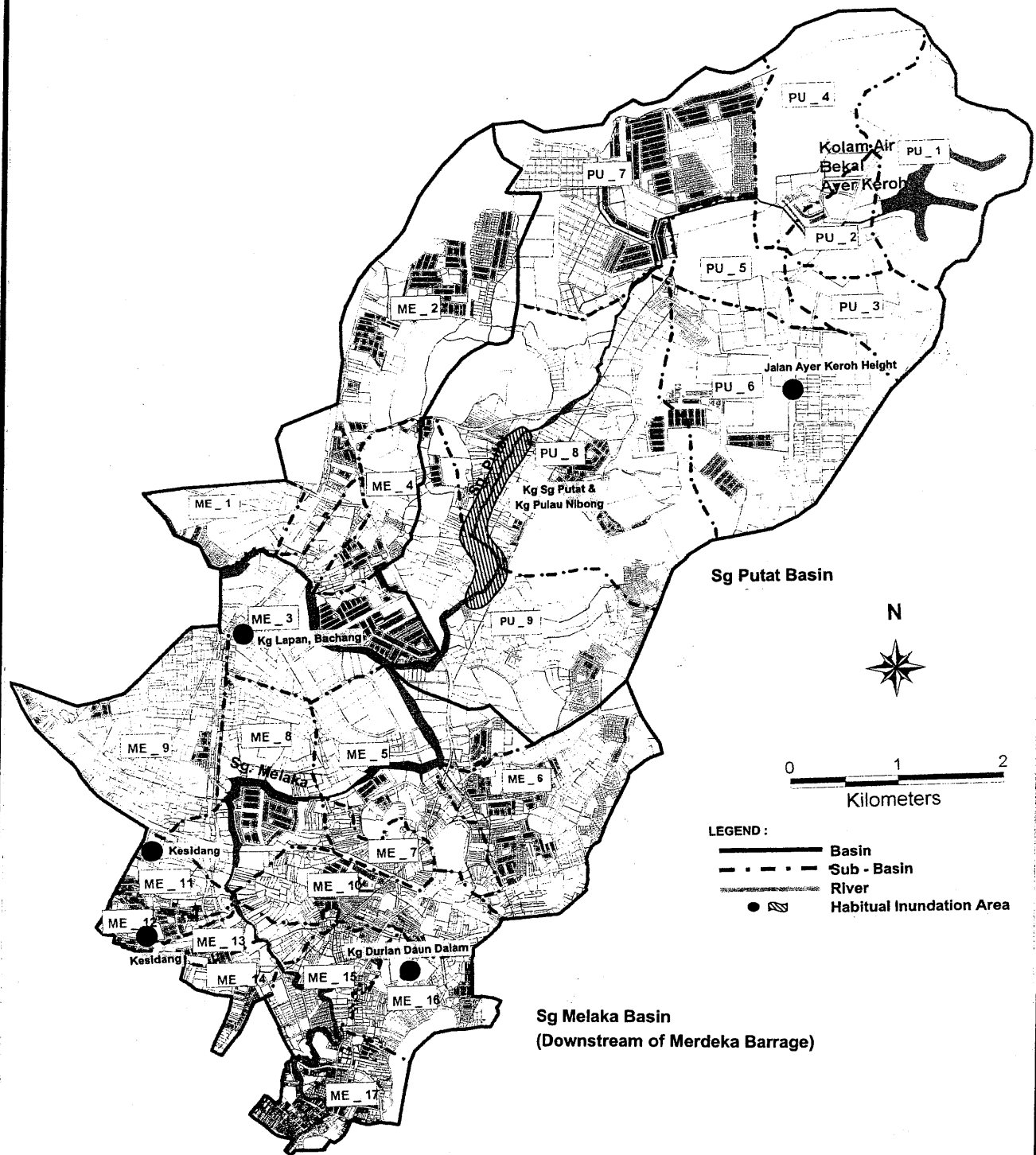
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Fig. IV-9(3/5)
 Habitual Inundation Area
 (Sg. Pasir Basin)



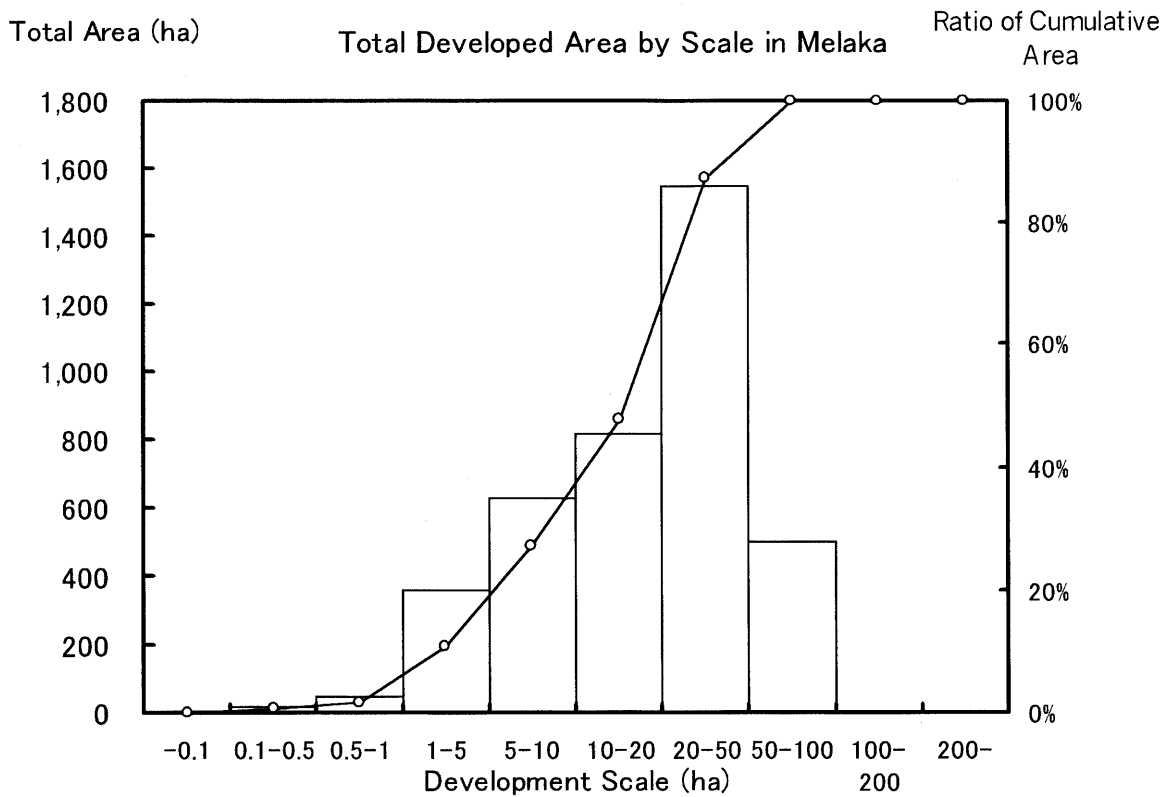
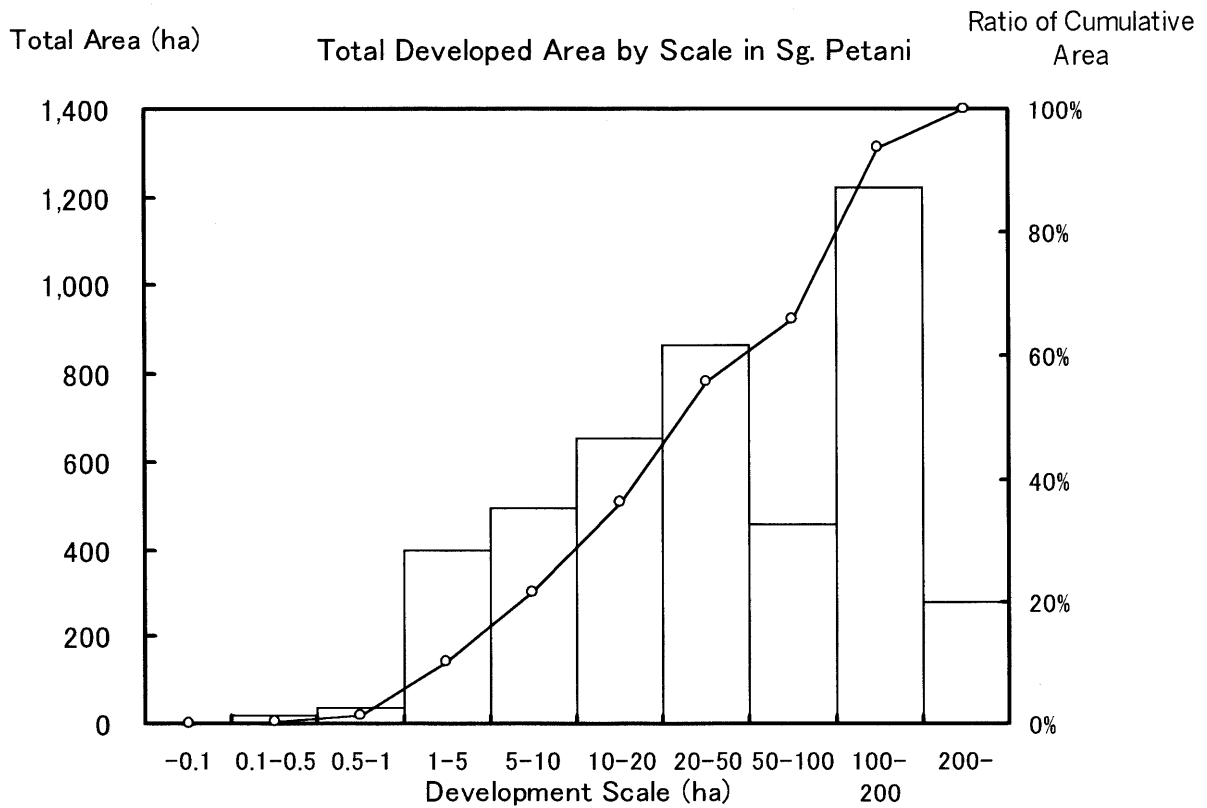
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Fig. IV-9(4/5)
Habitual Inundation Area
 (Sg. Ayer Salak Basin, Coastal Drainage Basin)



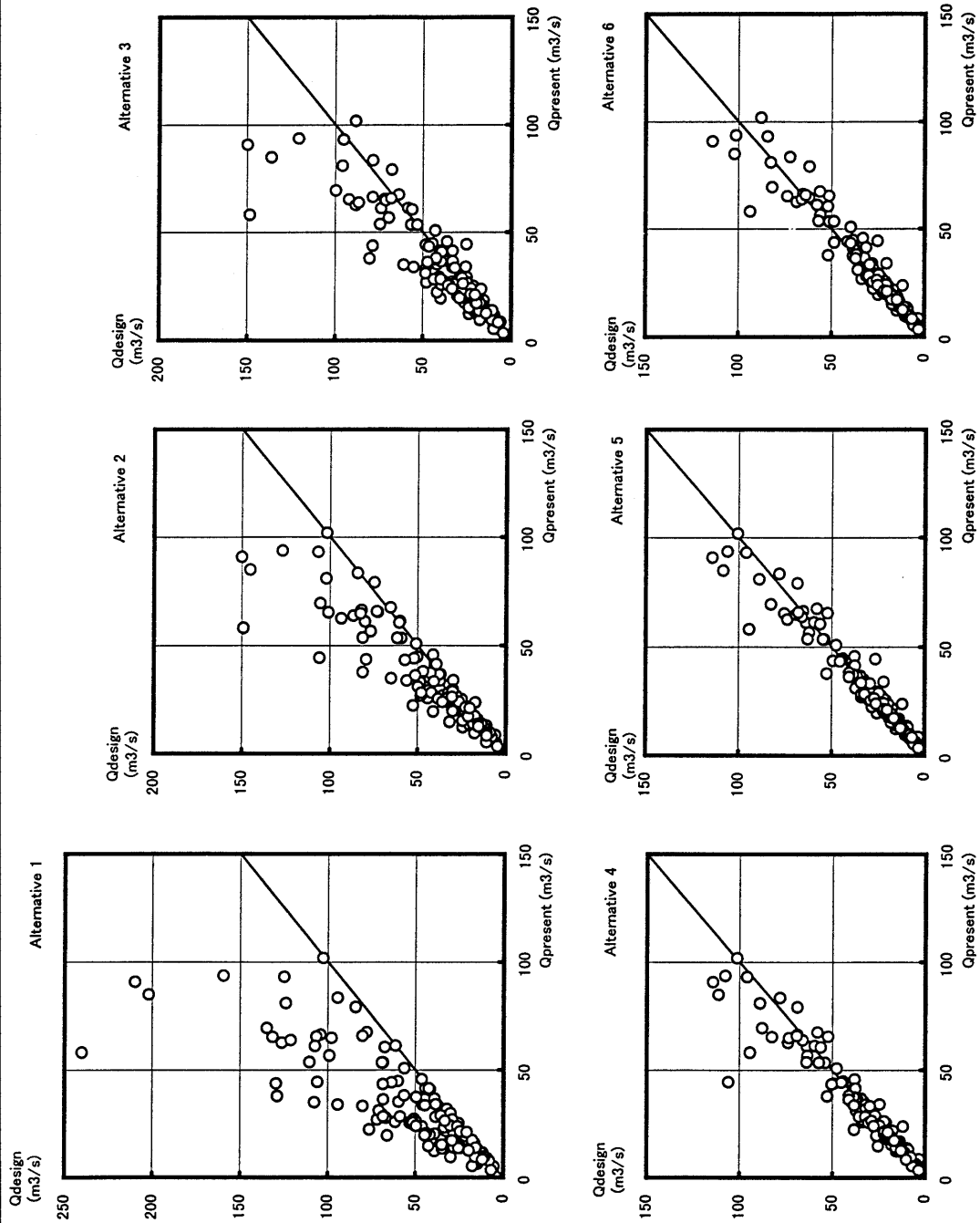
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Fig. IV-9(5/5)
 Habitual Inundation Area
 (Sg. Putat Basin, Sg. Melaka Basin)

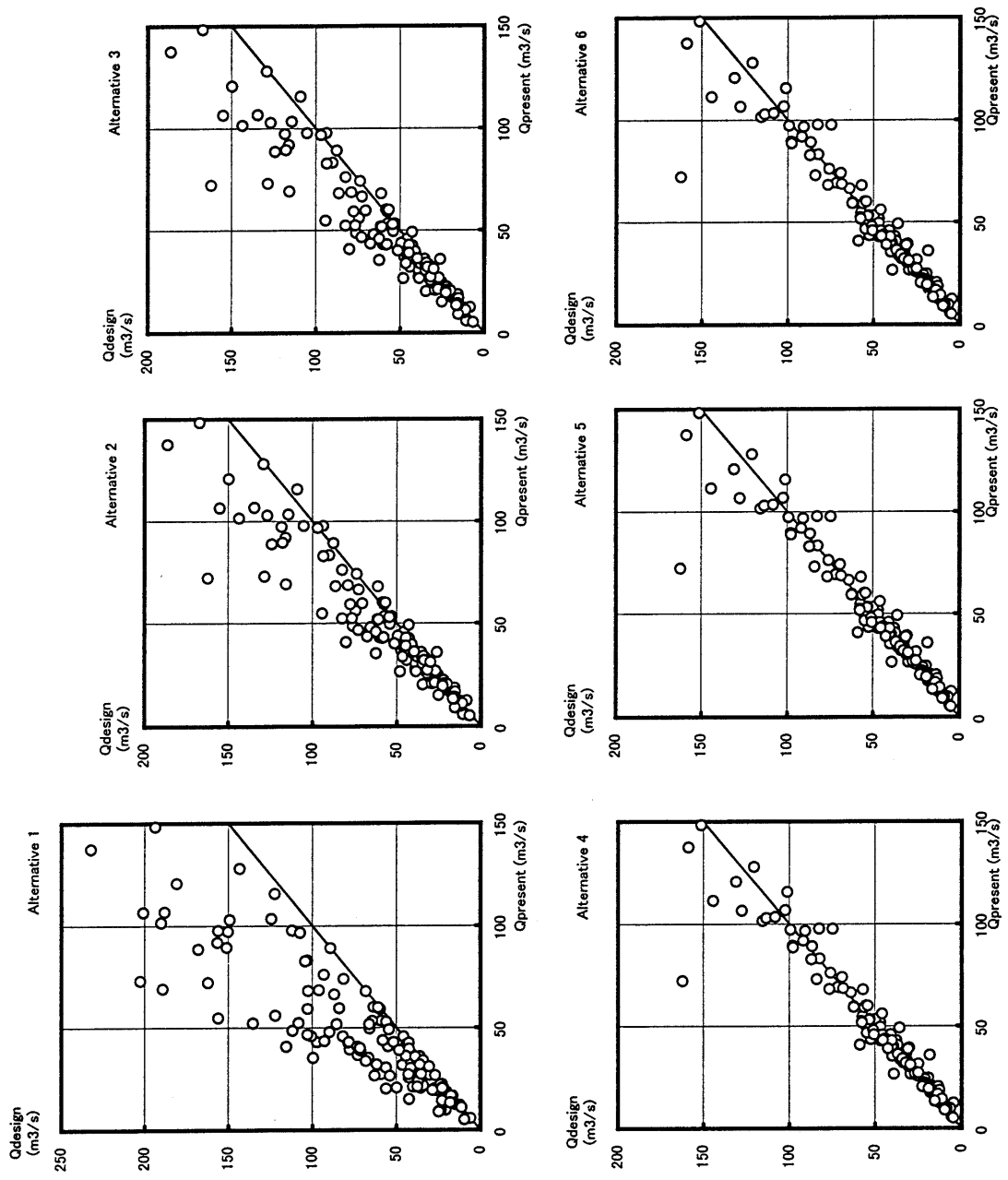


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Fig. IV-10
Histogram of Land Development Scale



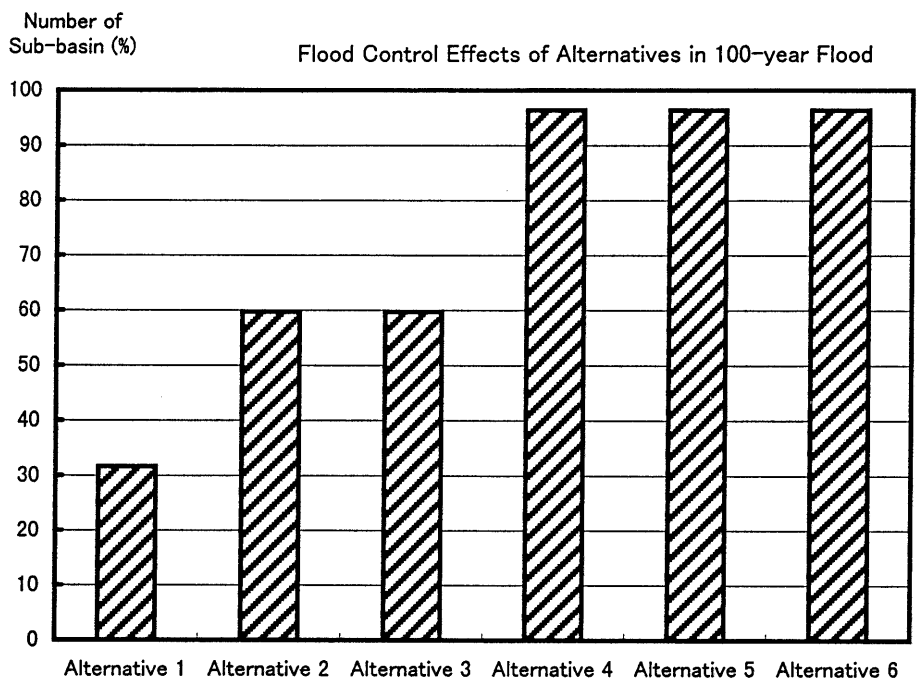
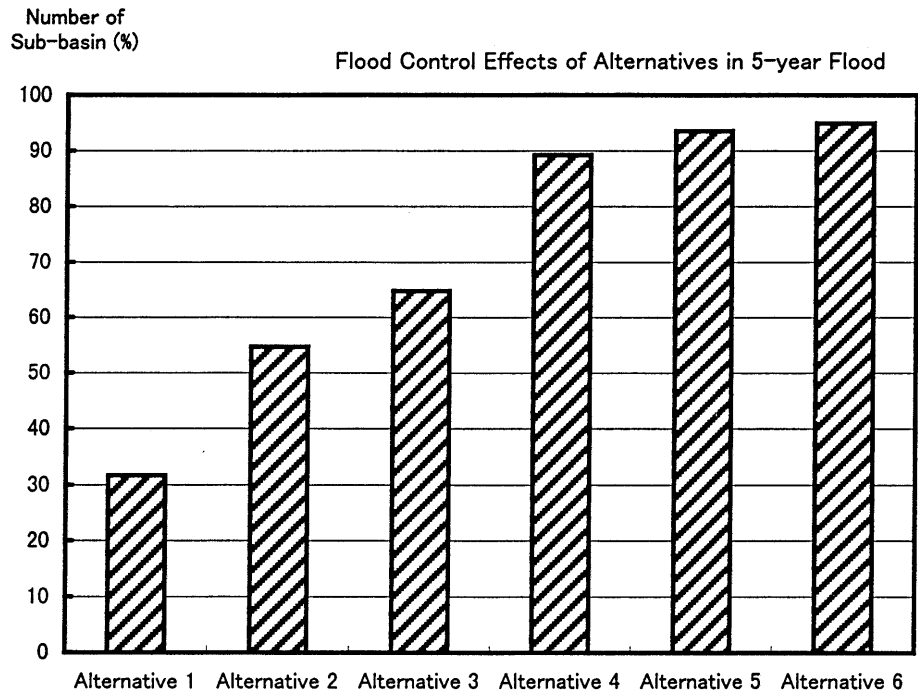
Note
 Alternative 1: without Detention Pond (D.P), Alternative 2: with D.P in 50 % Coverage, Alternative 3: with D.P in 50 % Coverage & Storage in Public Space (S.P.S) & Storage at House Lot (S.H.L), Alternative 4: with D.P in 80 % Coverage, Alternative 5: with D.P in 80 % Coverage & S.P.S, Alternative 6: with D.P in 80 % Coverage & S.P.S & S.H.L
 Q_{present}: Peak Discharge of Sub-basin under Present Conditions in 1998, Q_{design}: Peak Discharge of Sub-basin under Future Conditions in 2020



Note
 Alternative 1: without Detention Pond (D.P), Alternative 2: with D.P in 50 % Coverage, Alternative 3: with D.P in 50 % Coverage & Storage in Public Space (S.P.S) & Storage at House Lot (S.H.L), Alternative 4: with D.P in 80 % Coverage, Alternative 5: with D.P in 80 % Coverage & S.P.S, Alternative 6: with D.P in 80 % Coverage & S.P.S & S.H.L
 Qpresent: Peak Discharge of Sub-basin under Present Conditions in 1998, Qdesign: Peak Discharge of Sub-basin under Future Conditions in 2020

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Fig. IV-12
 Comparison of Flood Control Effects
 among Alternatives in 100-year Flood



- Note**
- Alternative 1: without Detention Pond (D.P), Alternative 2: with D.P in 50 % Coverage, Alternative 3: with D.P in 50 % Coverage & Storage in Public Space (S.P.S)& Storage at House Lot (S.H.L), Alternative 4: with D.P in 80 % Coverage, Alternative 5: with D.P in 80 % Coverage & S.P.S, Alternative 6: with D.P in 80 % Coverage & S.P.S & S.H.L
 - The axis of ordinates indicates the number of sub-basin in percentage of which peak discharge under future conditions in 2020 is regulated nearly equal to or below peak discharge under present conditions in 1998.