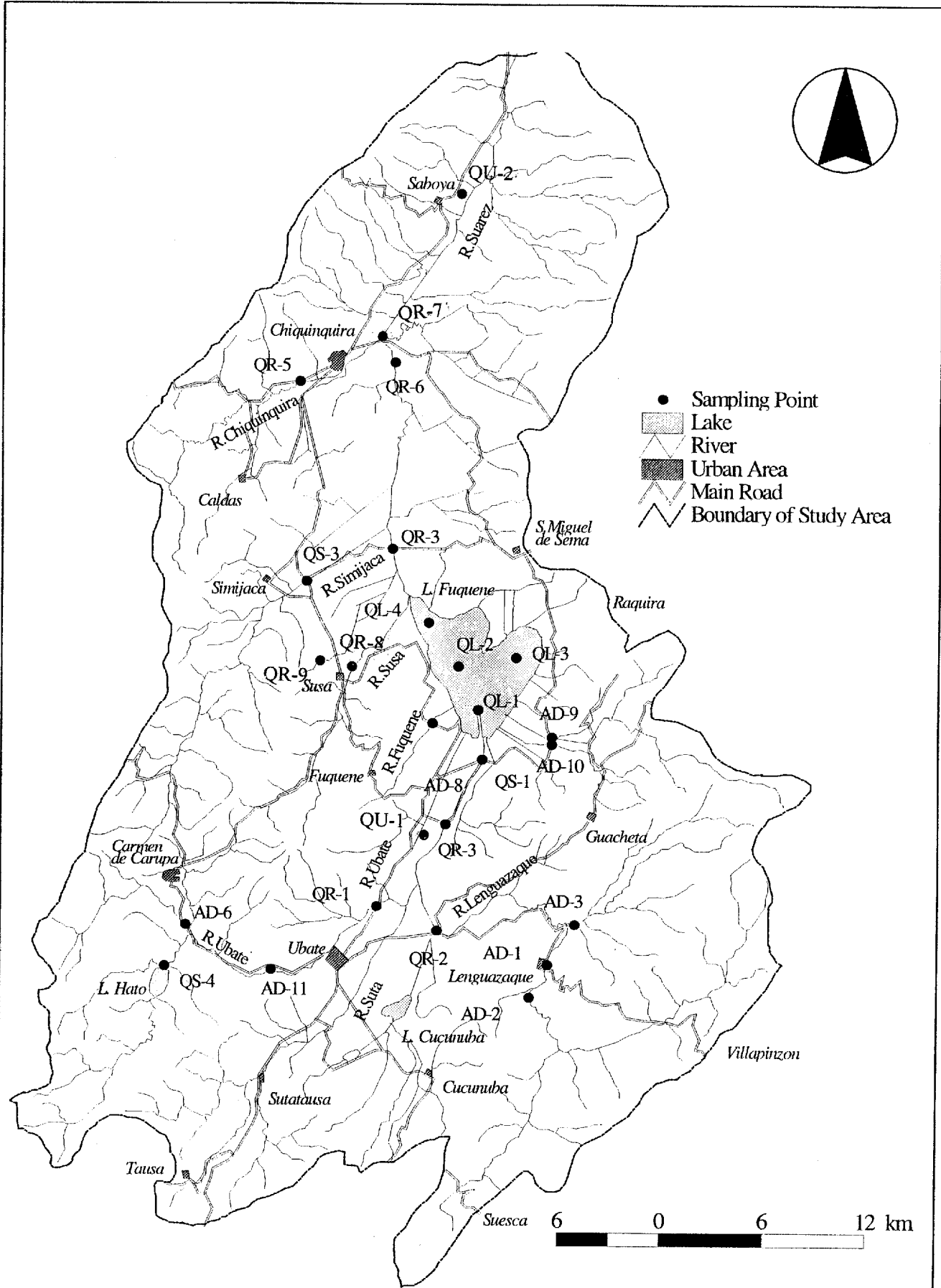


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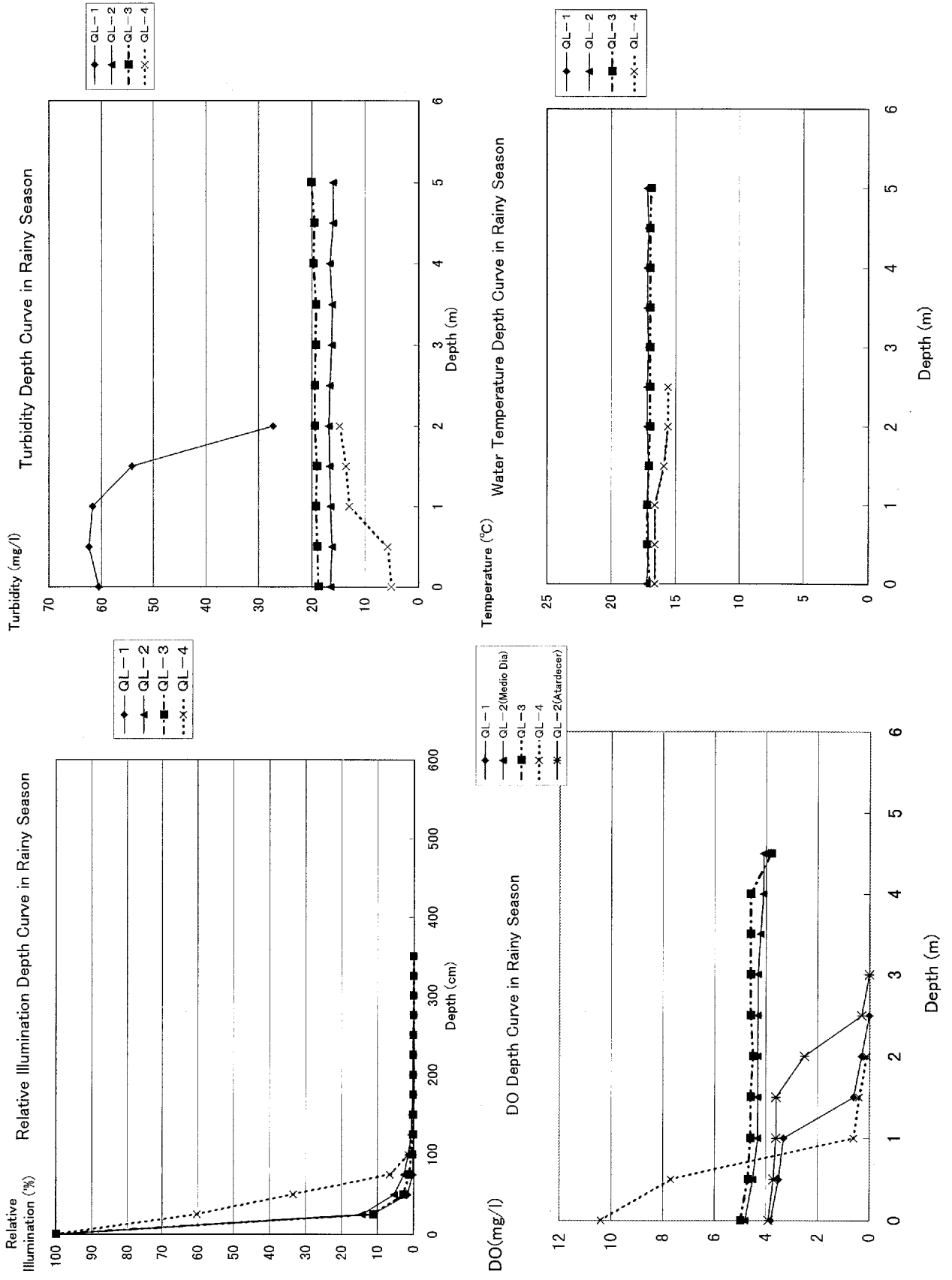
Fig. E.1.1 Sampling Location of Available Data



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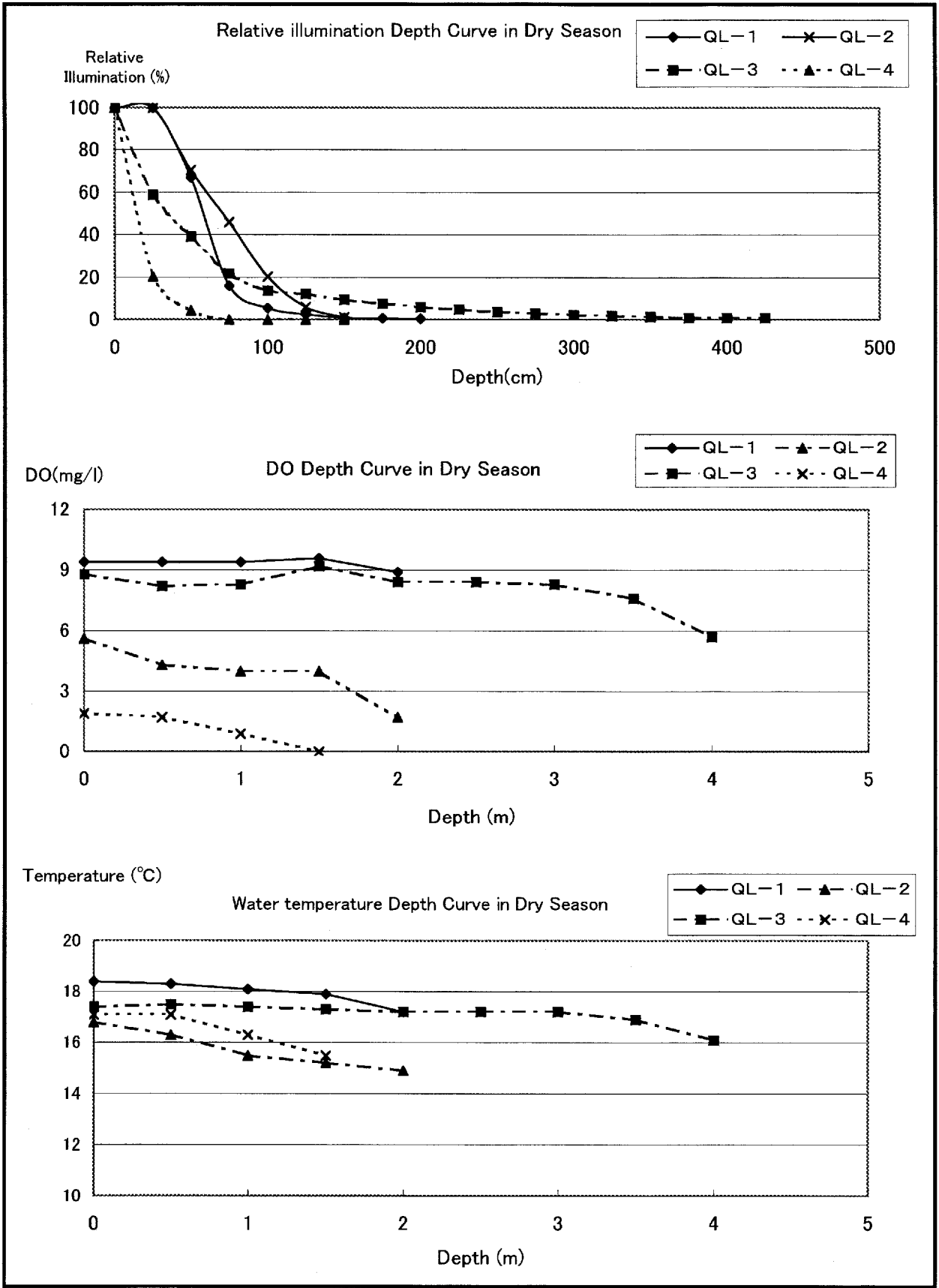
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Fig. E.1.2 Sampling Location of
Supplementary
Water Quality Observation



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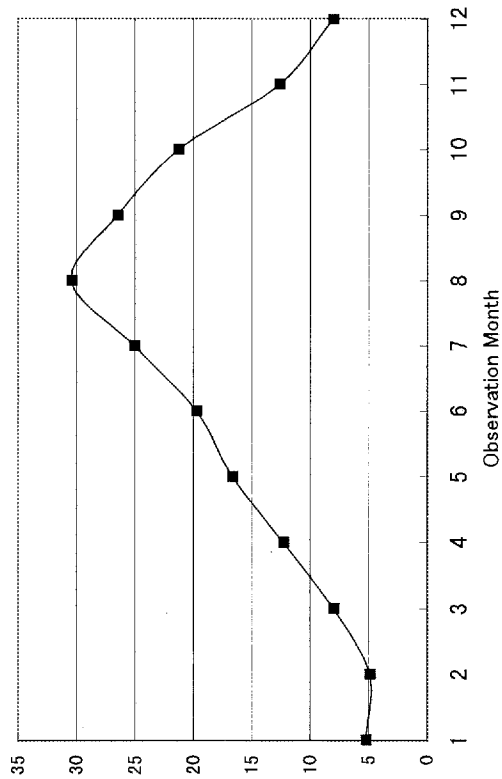
Fig. E 1.3 Water Quality and Transparency-
 Water Depth Curve in Rainy Season



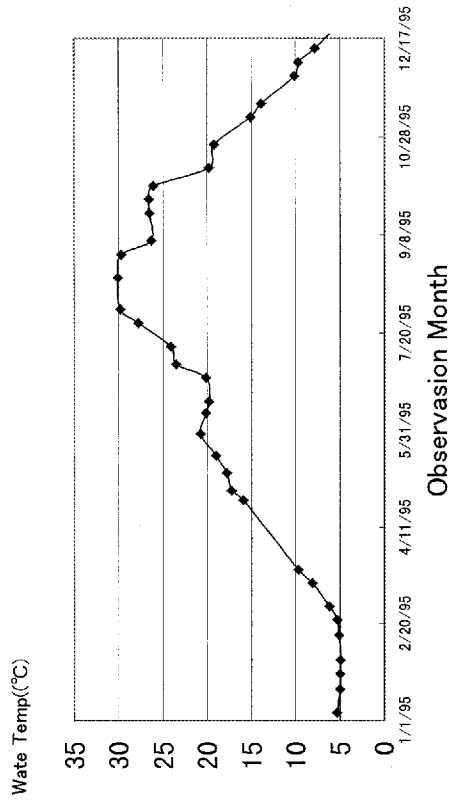
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Fig E 1.4 Water Quality and Transparency -
 Water Depth Curve in Dry Season

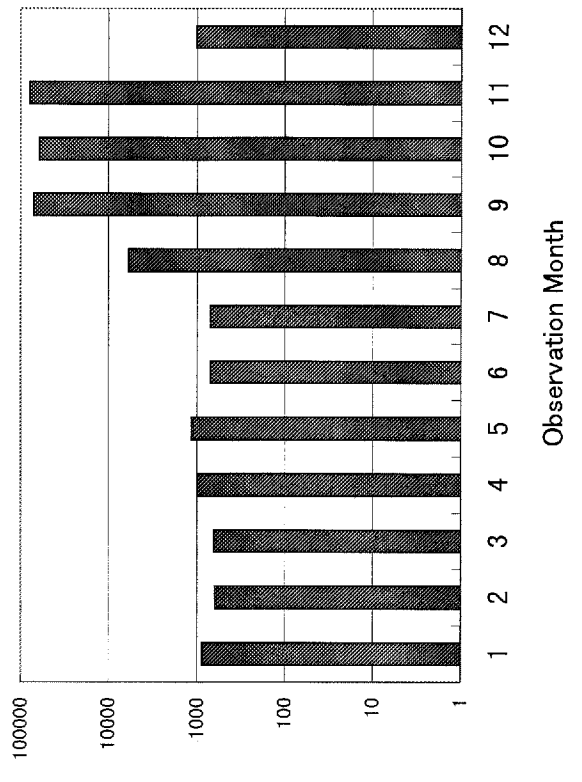
Monthly Water Temperature Change in South Biwa Lake, Japan



Monthly Change of Water Temperature in Kasumigaura Lake, Japan



Monthly Change of Phytoplankton Cell Population in South Biwa Lake, Japan



Monthly Change of Phytoplankton Cell Population in Kasumigaura Lake, Japan

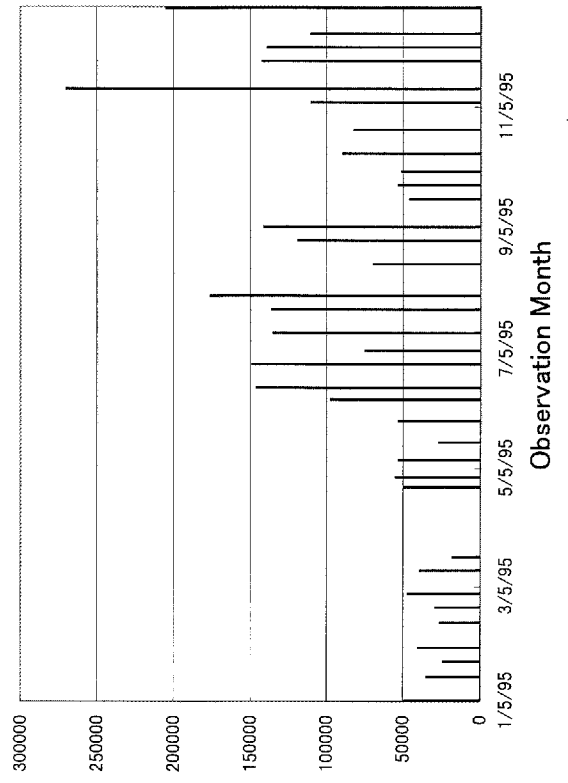


Fig.E. 1.5 Monthly Change of Phytoplankton Population in Lake, Japan

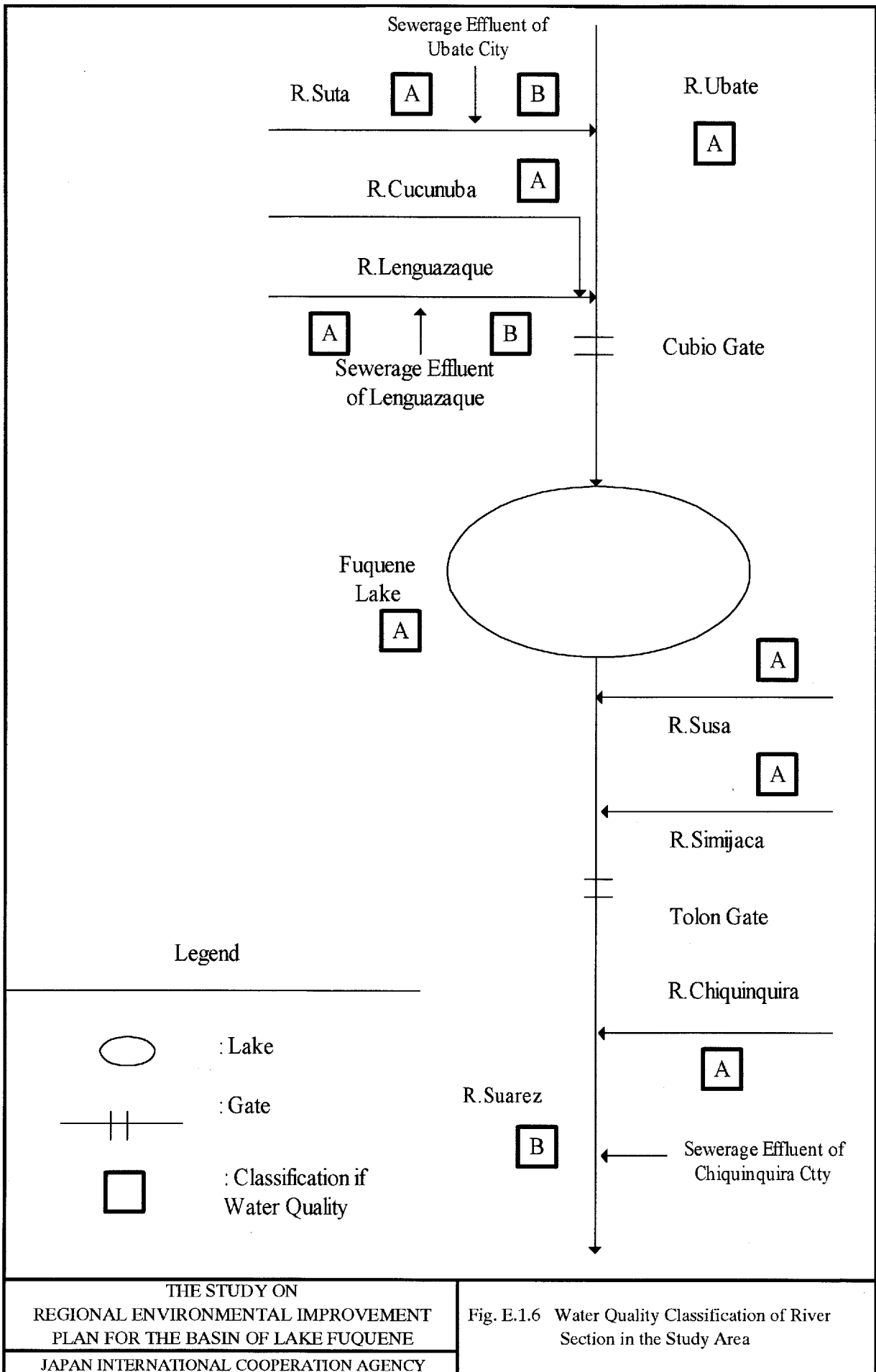
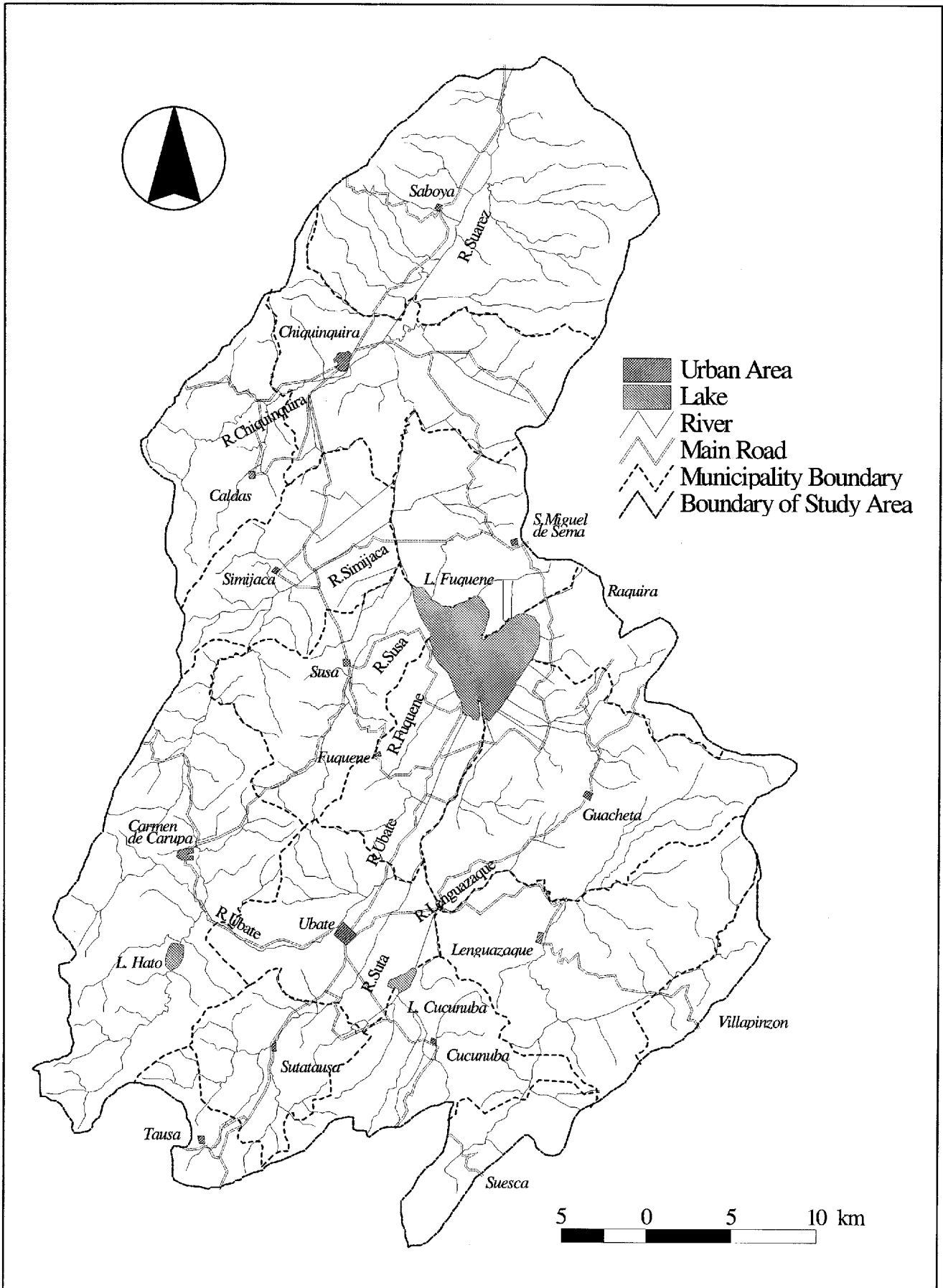


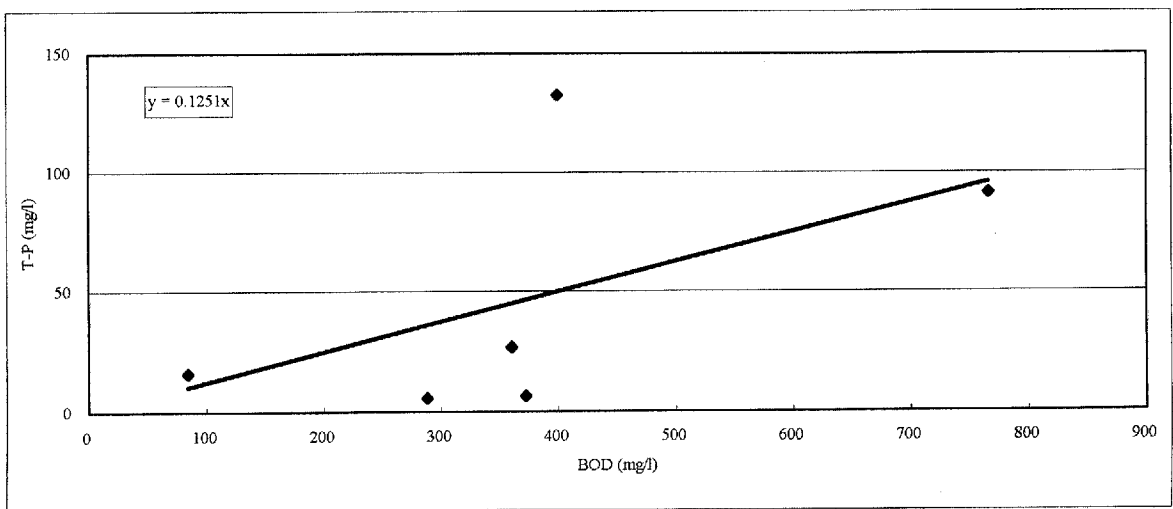
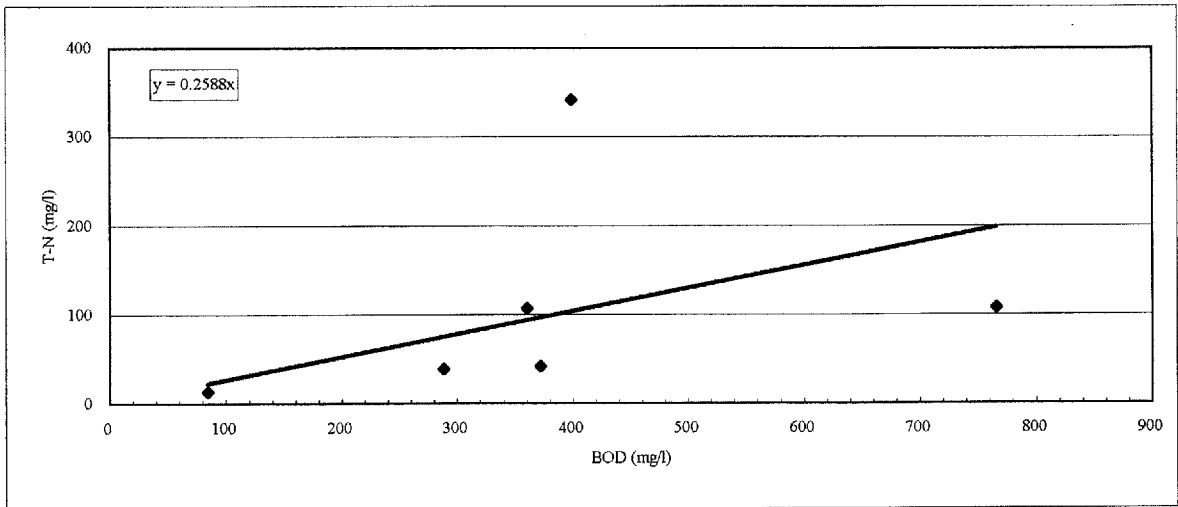
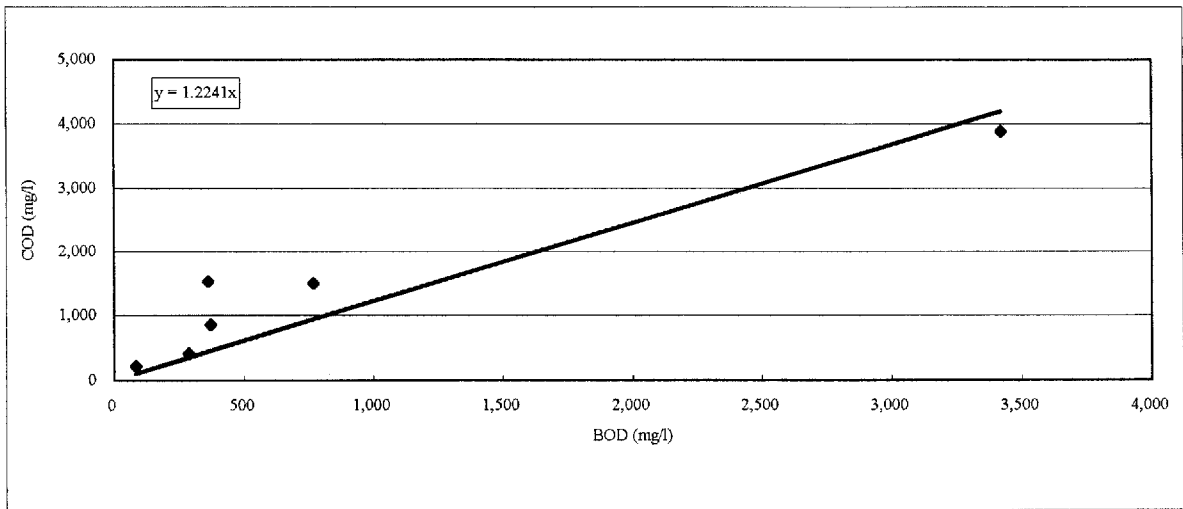
Fig. E.1.6 Water Quality Classification of River Section in the Study Area



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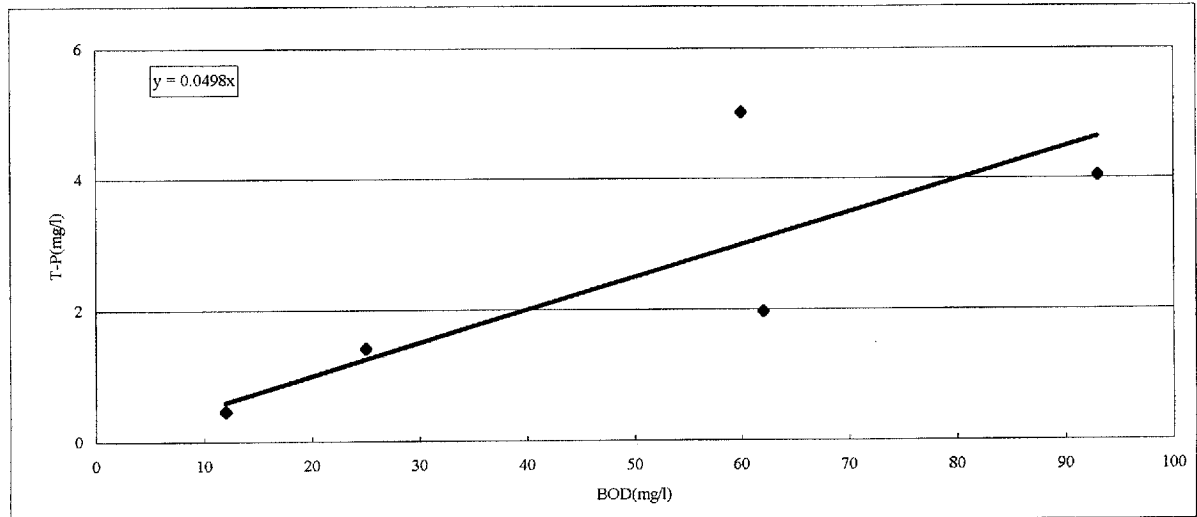
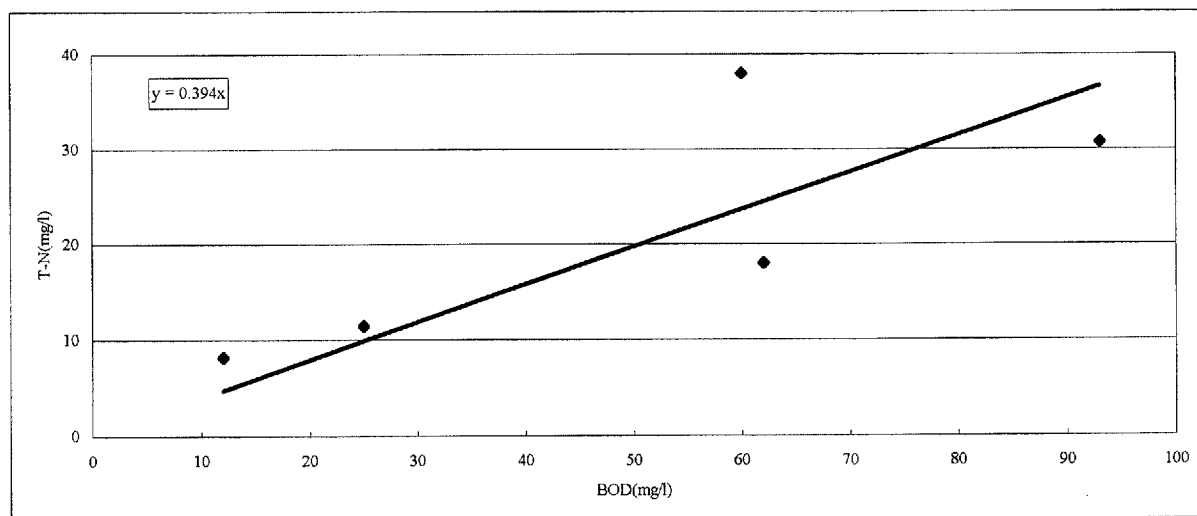
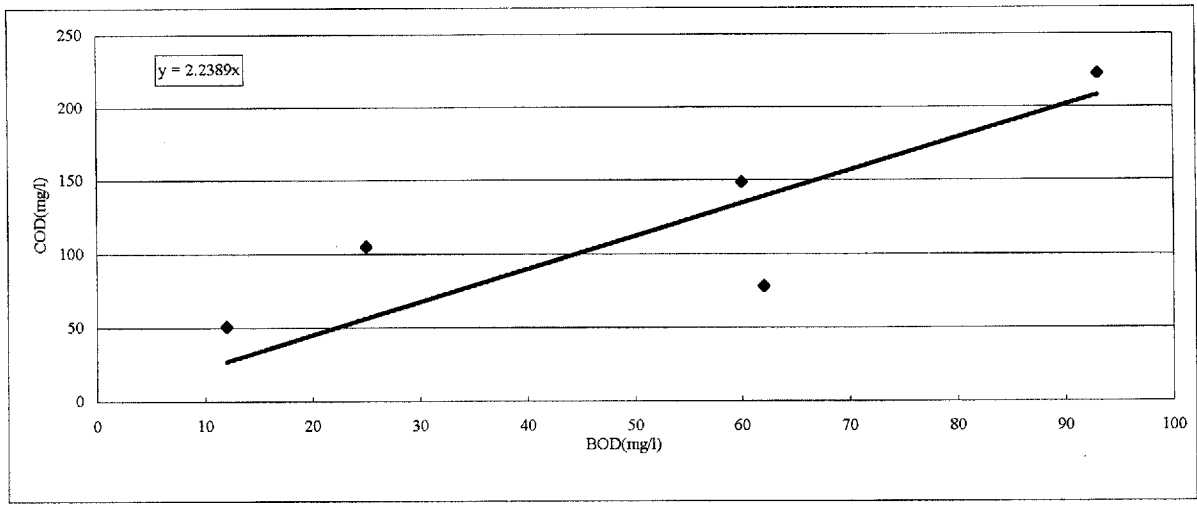
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Fig. E.2.1 Municipalities in Study Area



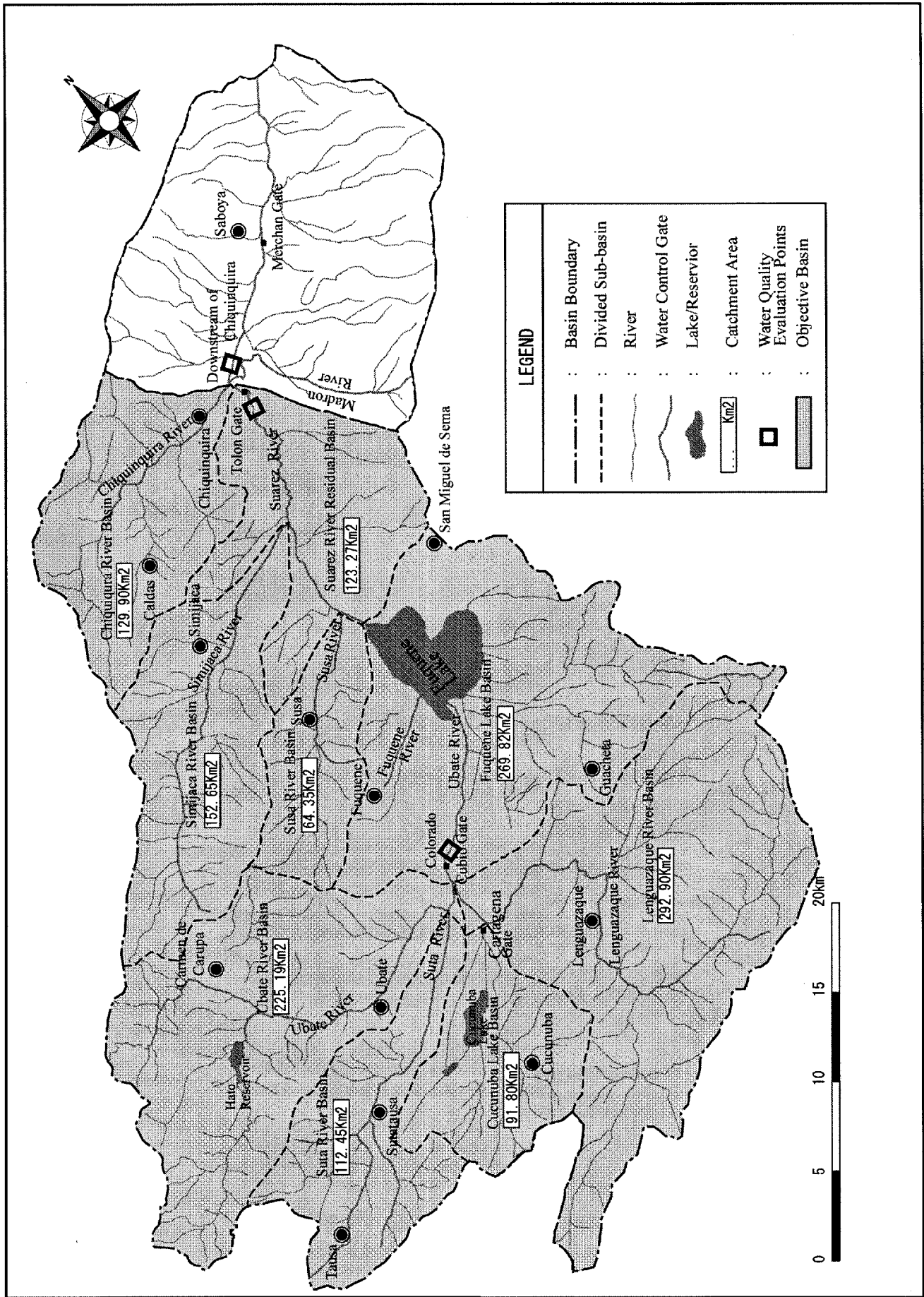
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Fig. E.2.2 Relationship of BOD to COD, T-N and T-P in Dairy Industry



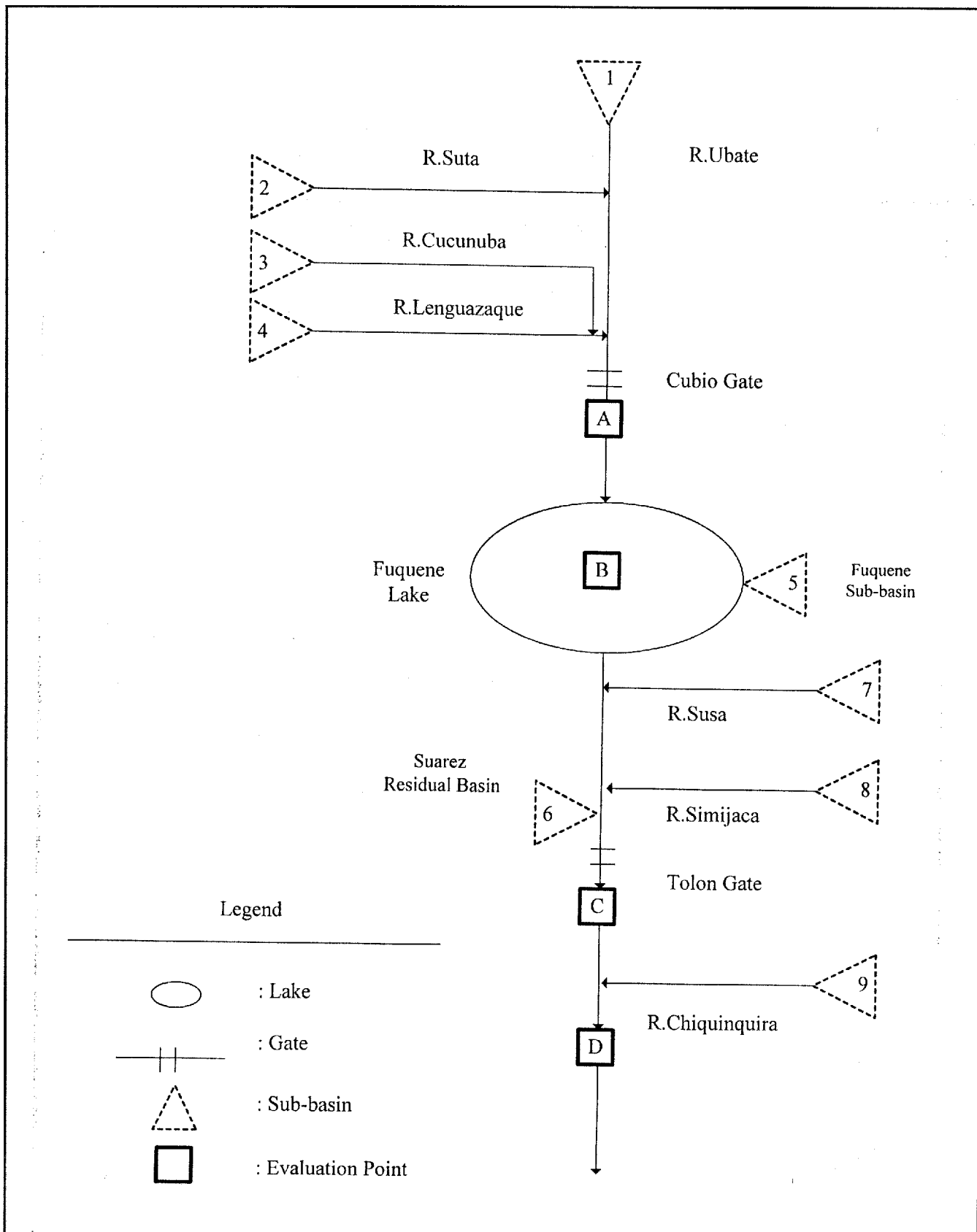
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Fig. E.2.3 Relationship of BOD to COD, T-N and T-P in Sewerage Effluent



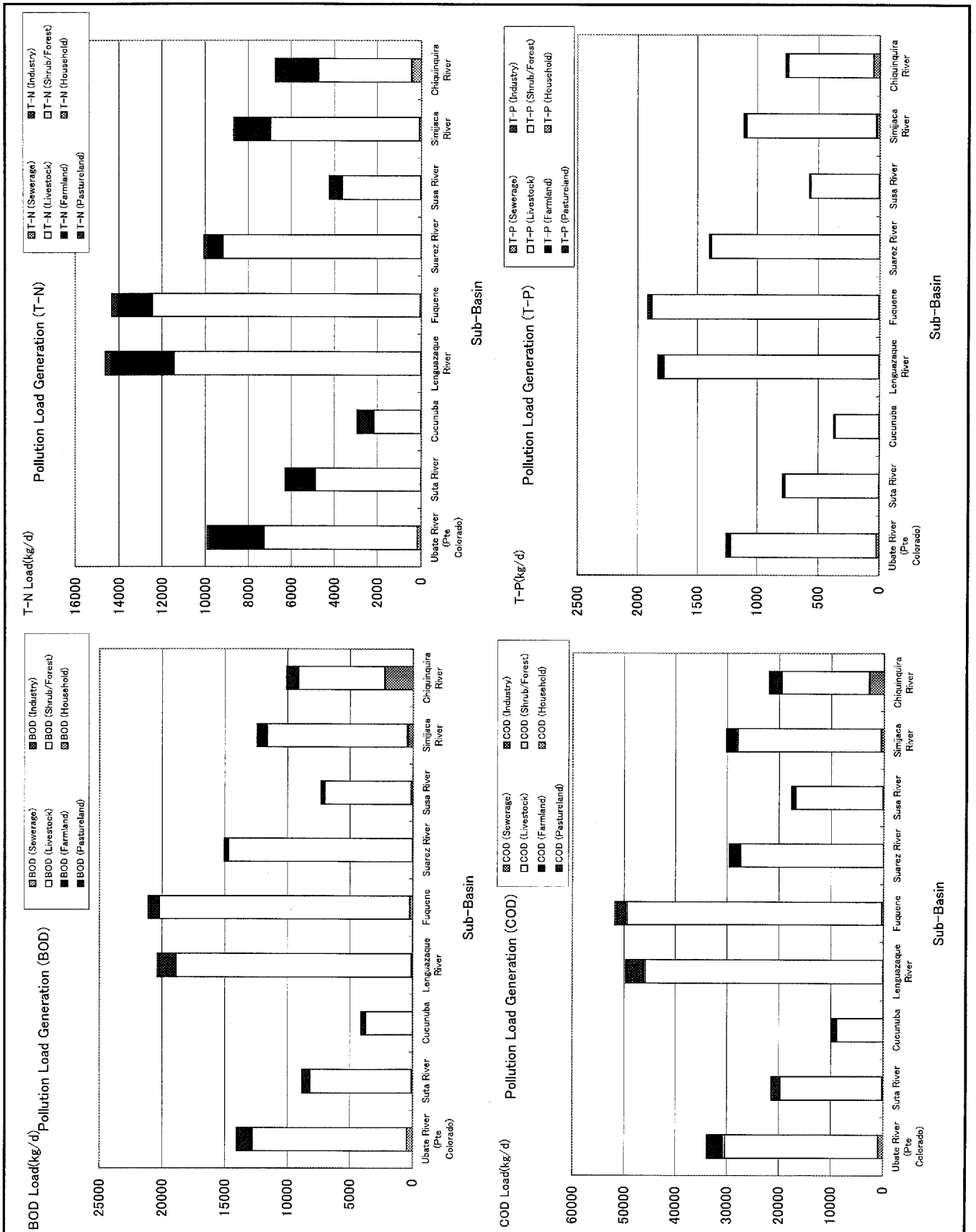
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Fig E.3.1 Location of the Objective Basin and Divided Sub-Basin

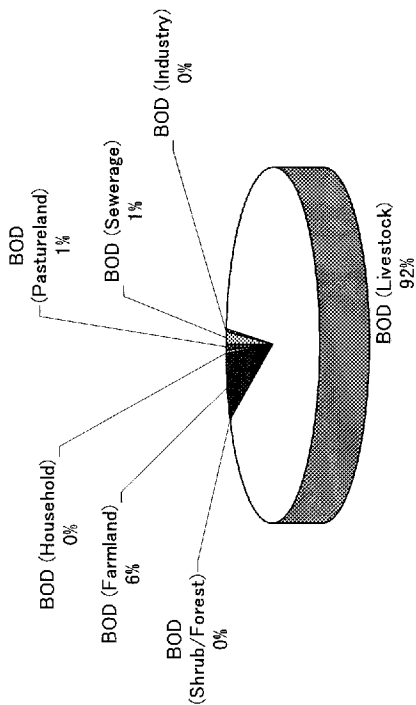


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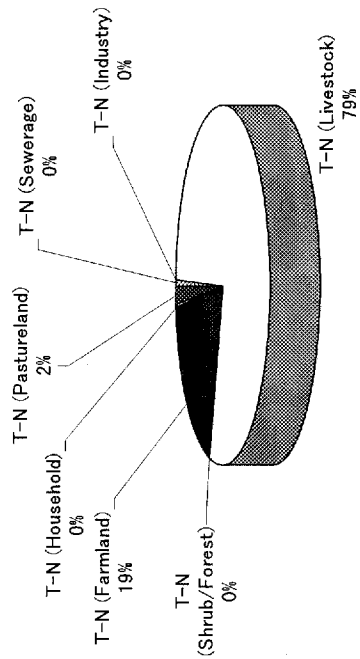
Fig.E.3.2 Schematic Diagram for the Simulation of Pollution Load Runoff and Water Quality



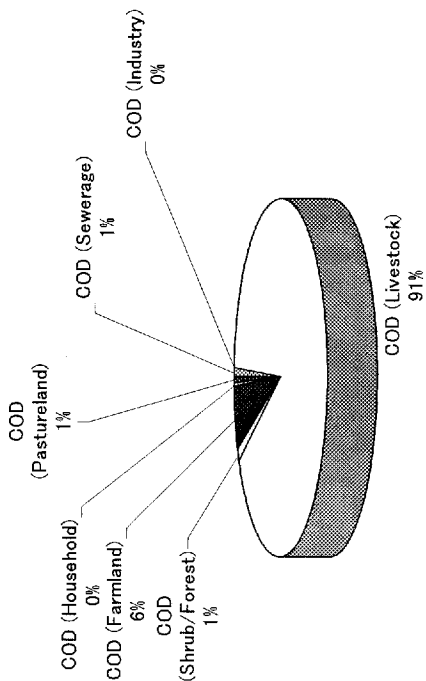
Ratio of Each Pollution Load Generation (BOD)



Ratio of Each Pollution Load Generation (T-N)



Ratio of Each Pollution Load Generation (COD)



Ratio of Each Pollution Load Generation (T-P)

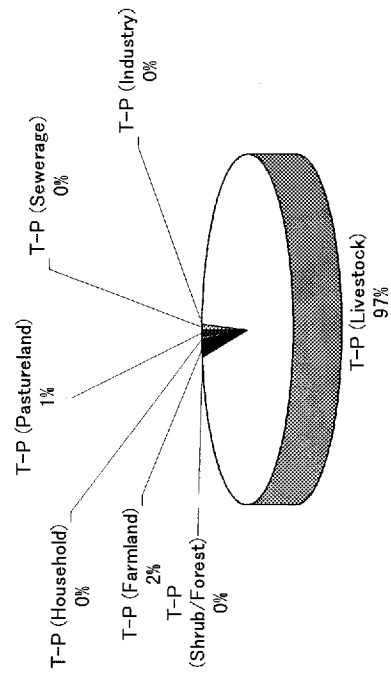
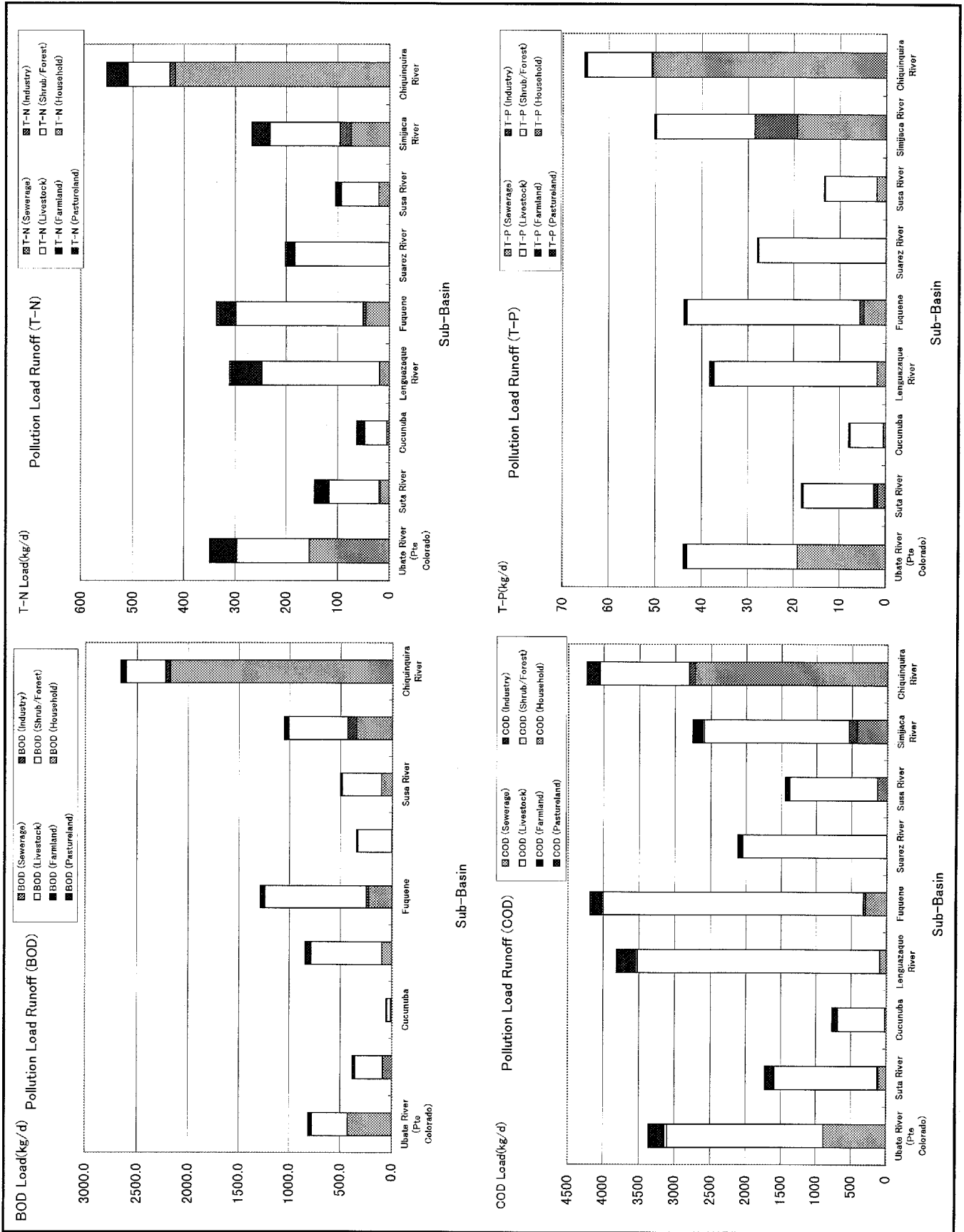
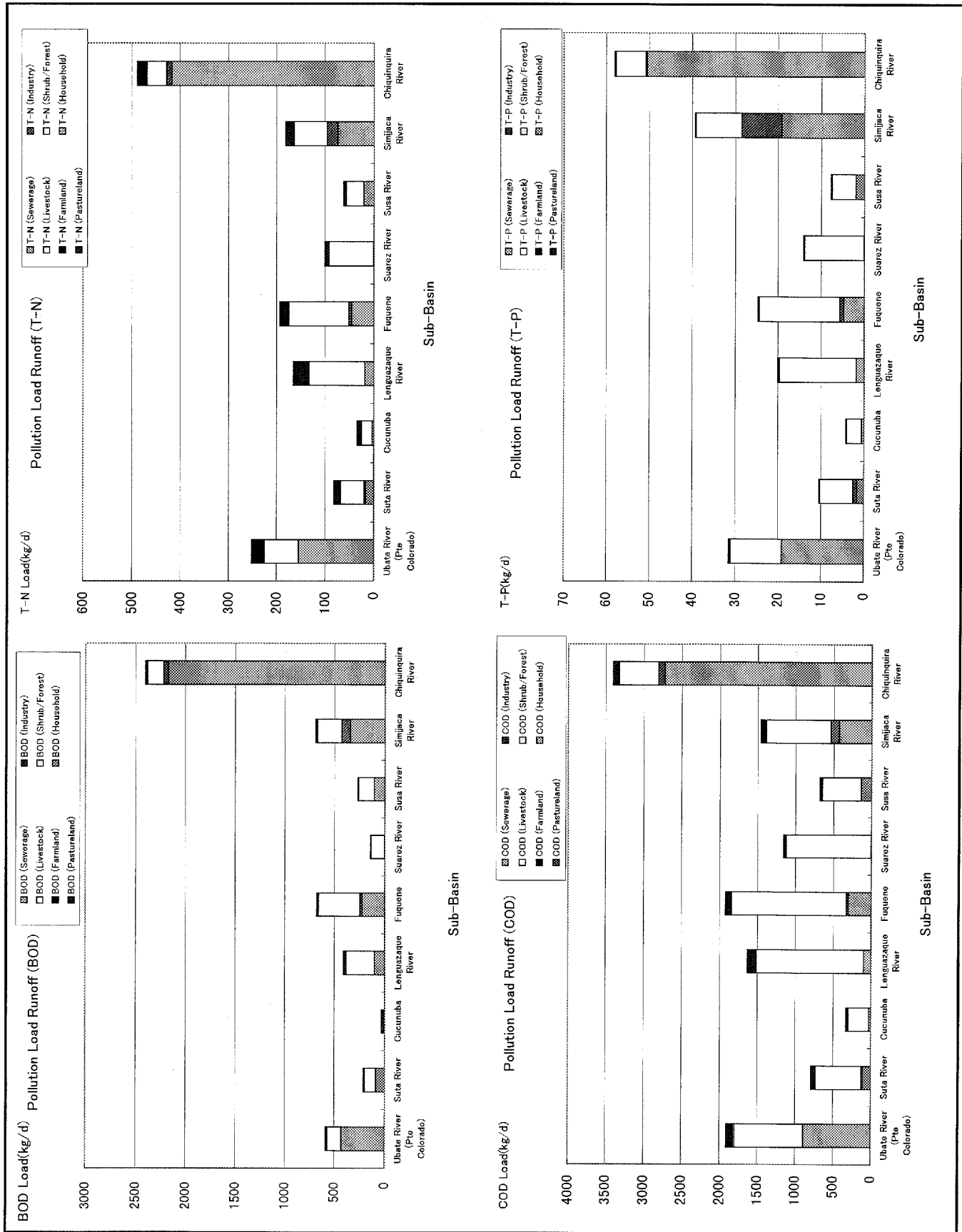


Fig. E.3.4 Ratio of Each Pollution Load Generation in the Upper Area of the Fuquene Lake

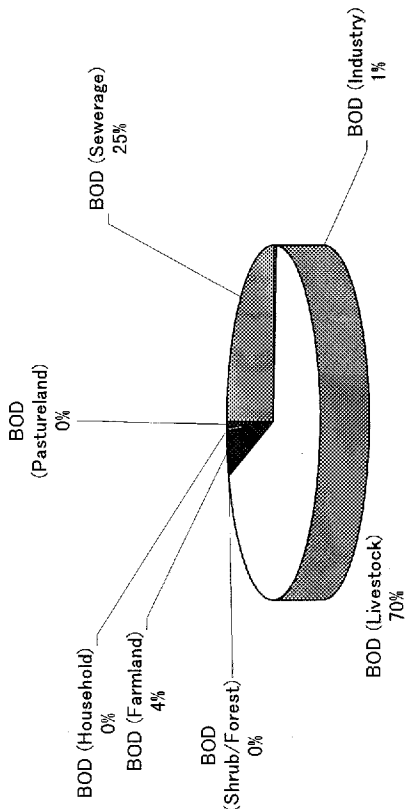




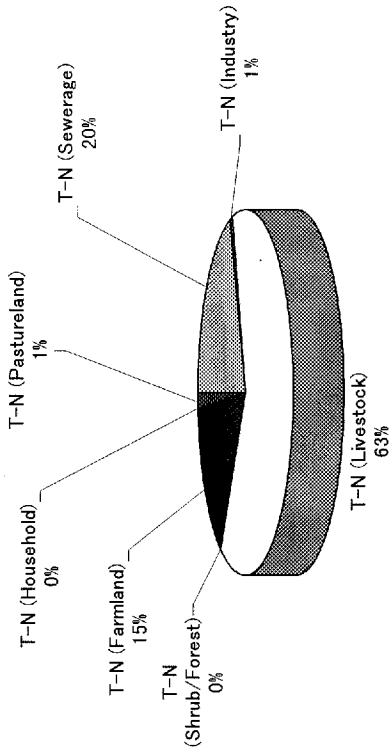
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Fig.E 3.6 Pollution Load Runoff of Each Sub-Basin in Dry Season

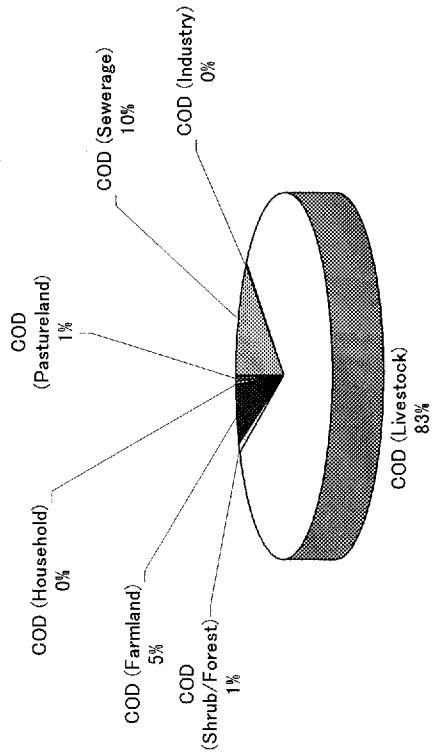
Ratio of Each Pollution Load Runoff (BOD)



Ratio of Each Pollution Load Runoff (T-N)



Ratio of Each Pollution Load Runoff (COD)



Ratio of Each Pollution Load Runoff (T-P)

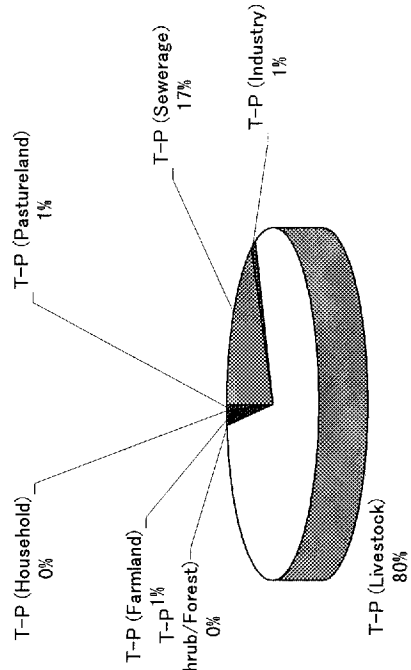
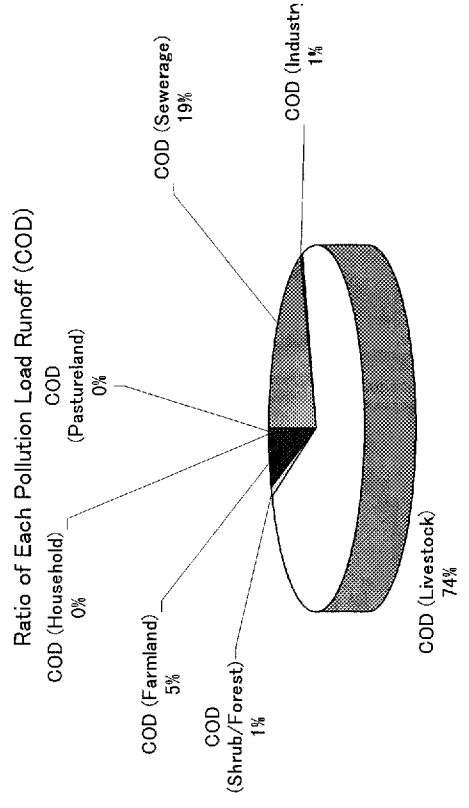
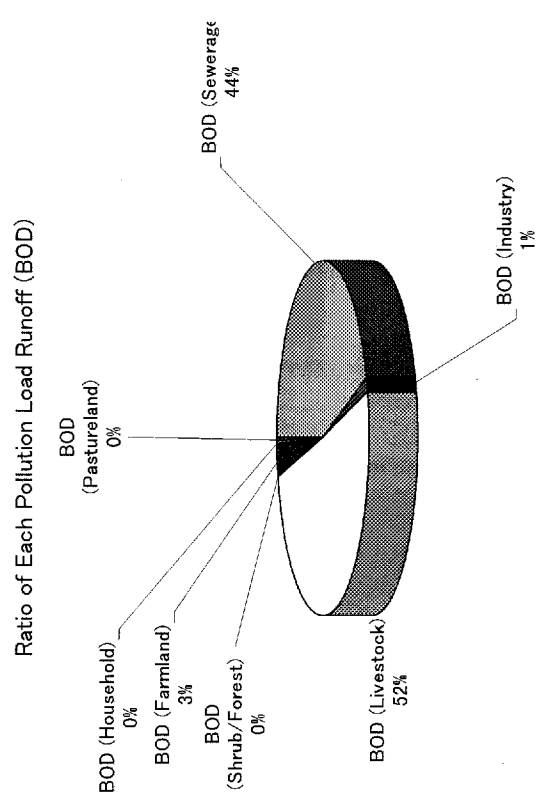
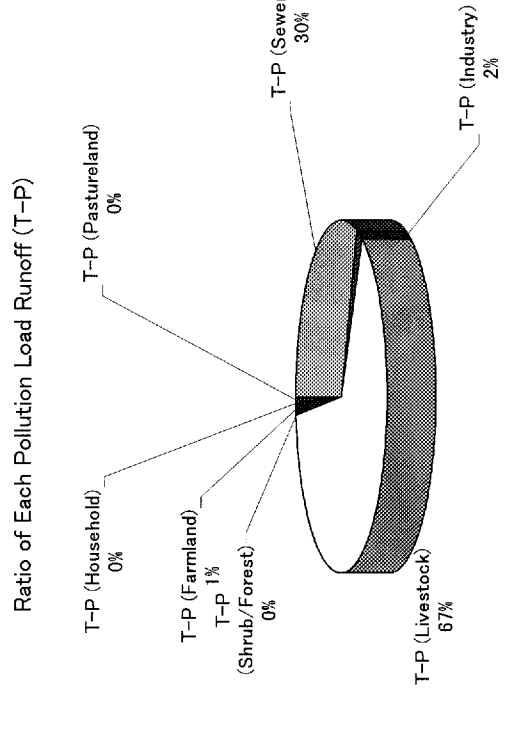
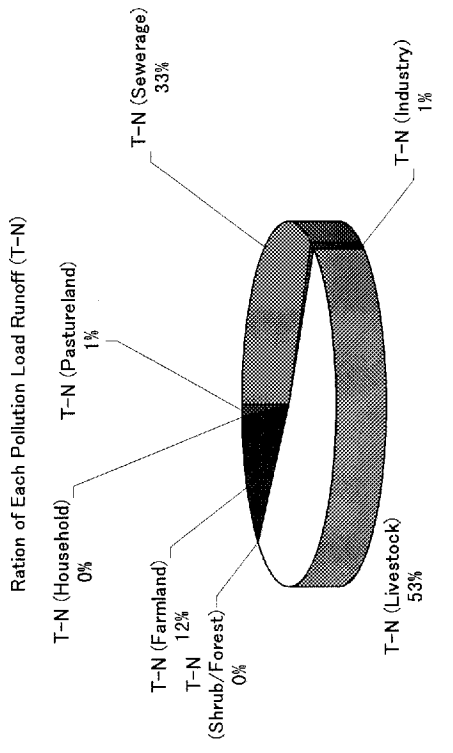
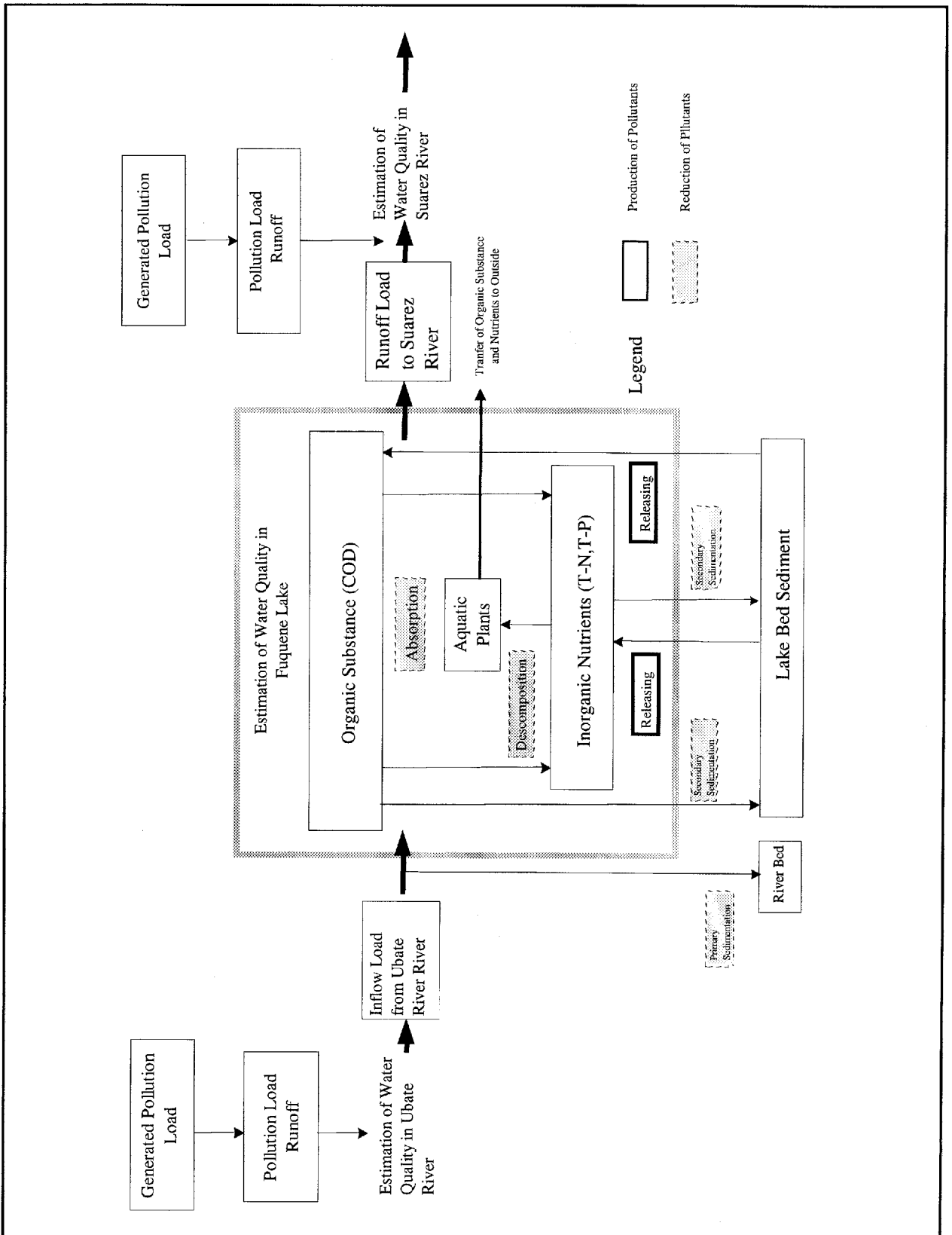


Fig. E 3.7 Ratio of Each Pollution Load Runoff in the Upper Area of the Fuquene Lake in Rainy Season



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Fig. E 3.8 Ratio of Each Pollution Load Runoff in the Upper Area of the Fuquene Lake in Dry Season



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Fig. E 3.9 Metabolic Process in the Fuquene Lake