

(1) The exterior of installed streamflow gauging station

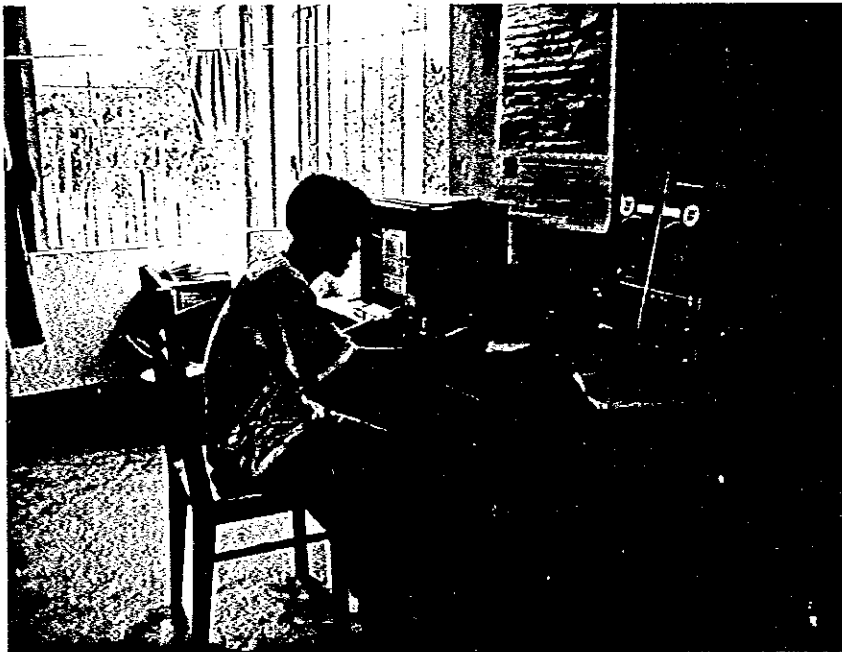


(2) The gage keeper, who continuously stays at the station and implements the hydrological observation and maintenance of equipment, and water level recorder placed inside the gauge house

Figure C2.4 New Streamflow Gauging Station near Dong Nai No.3 Dam Site Installed during the Field Investigation

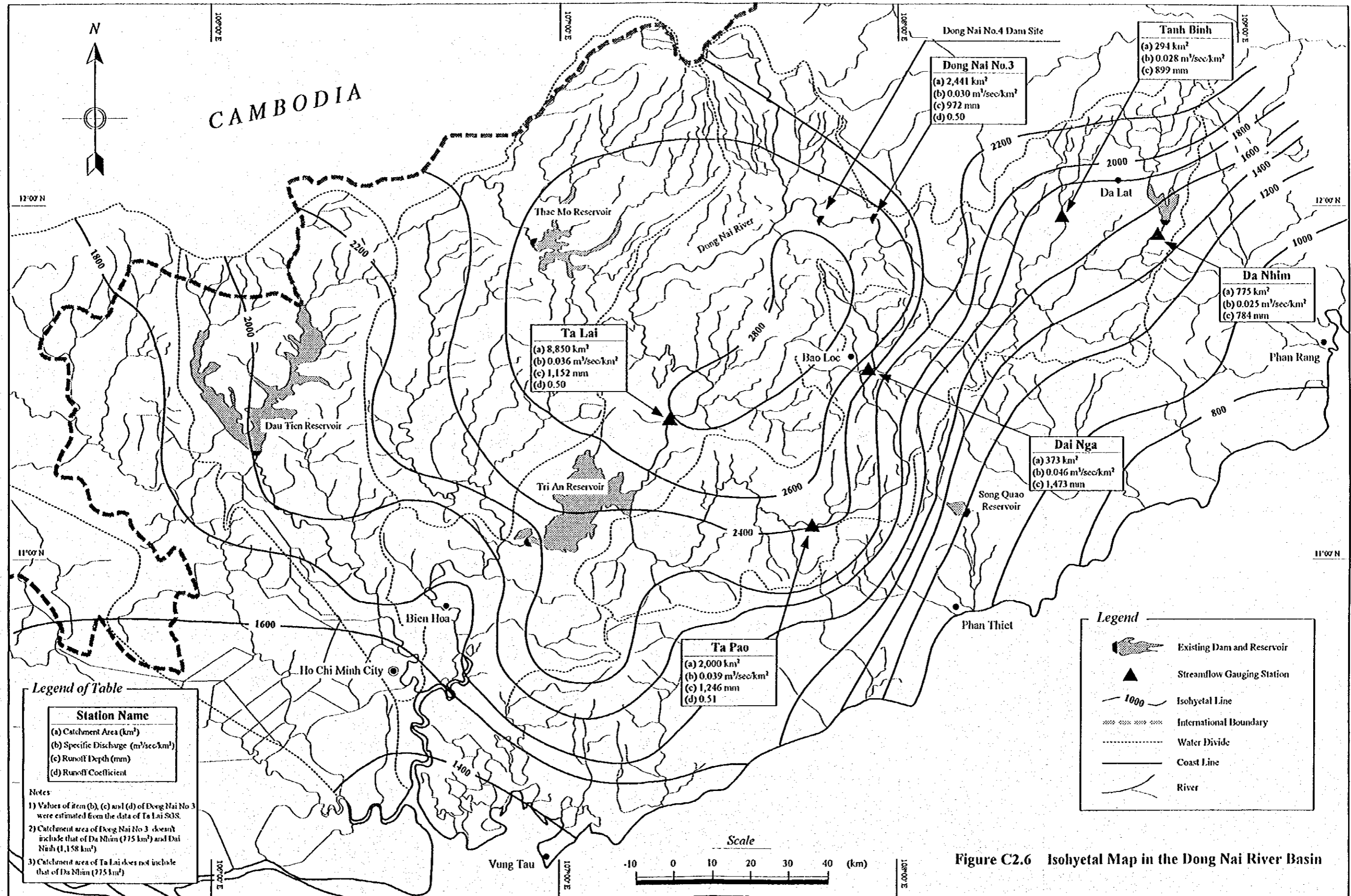


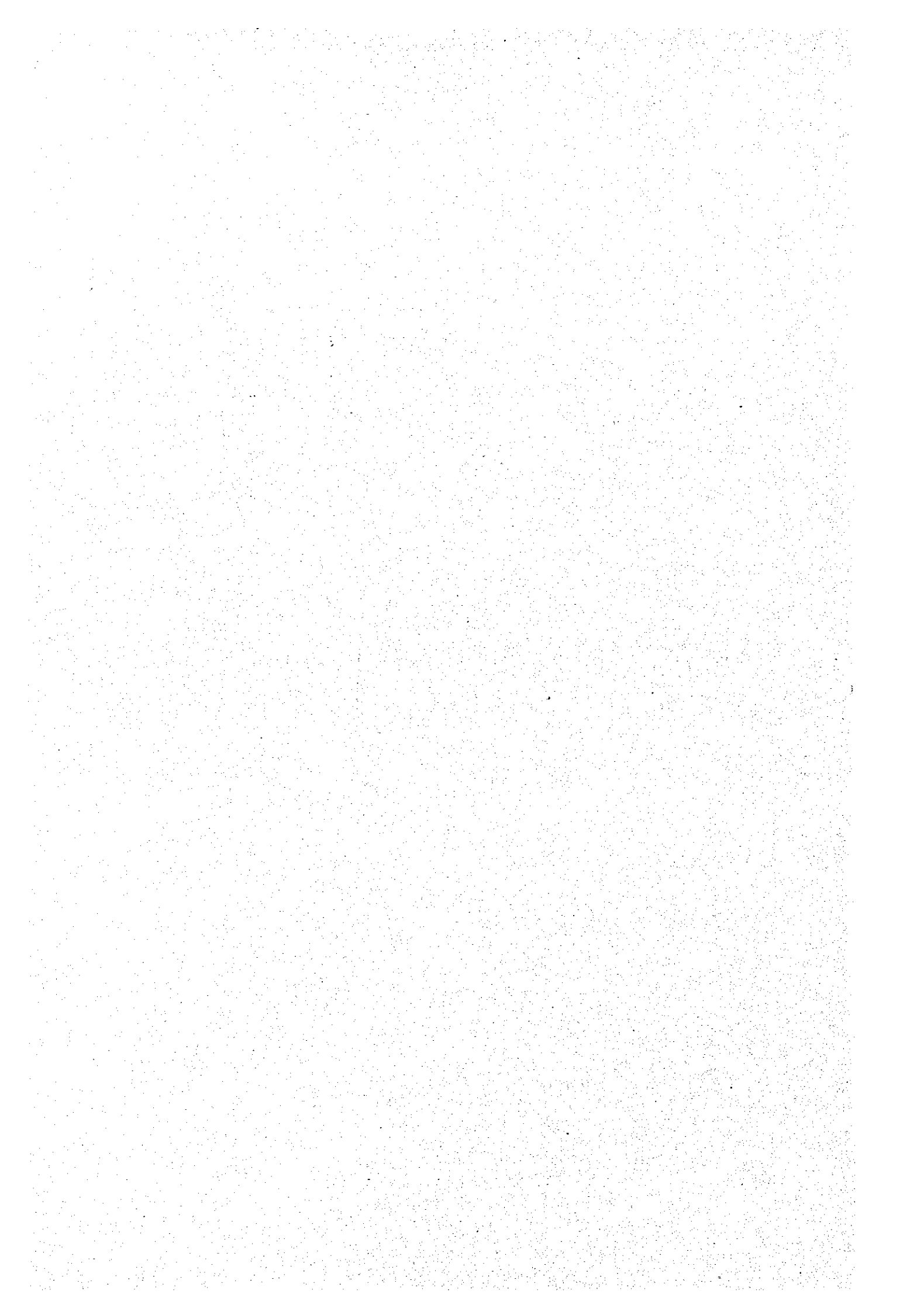
(1) The exterior of installed rainfall station



(2) The gage keeper, who continuously stays at the station and implement the rainfall observation and maintenance of equipment, and rainfall recorder installed inside the room of village office

Figure C2.5 · New Rainfall Station Installed at Dak Plao during the Field Investigation





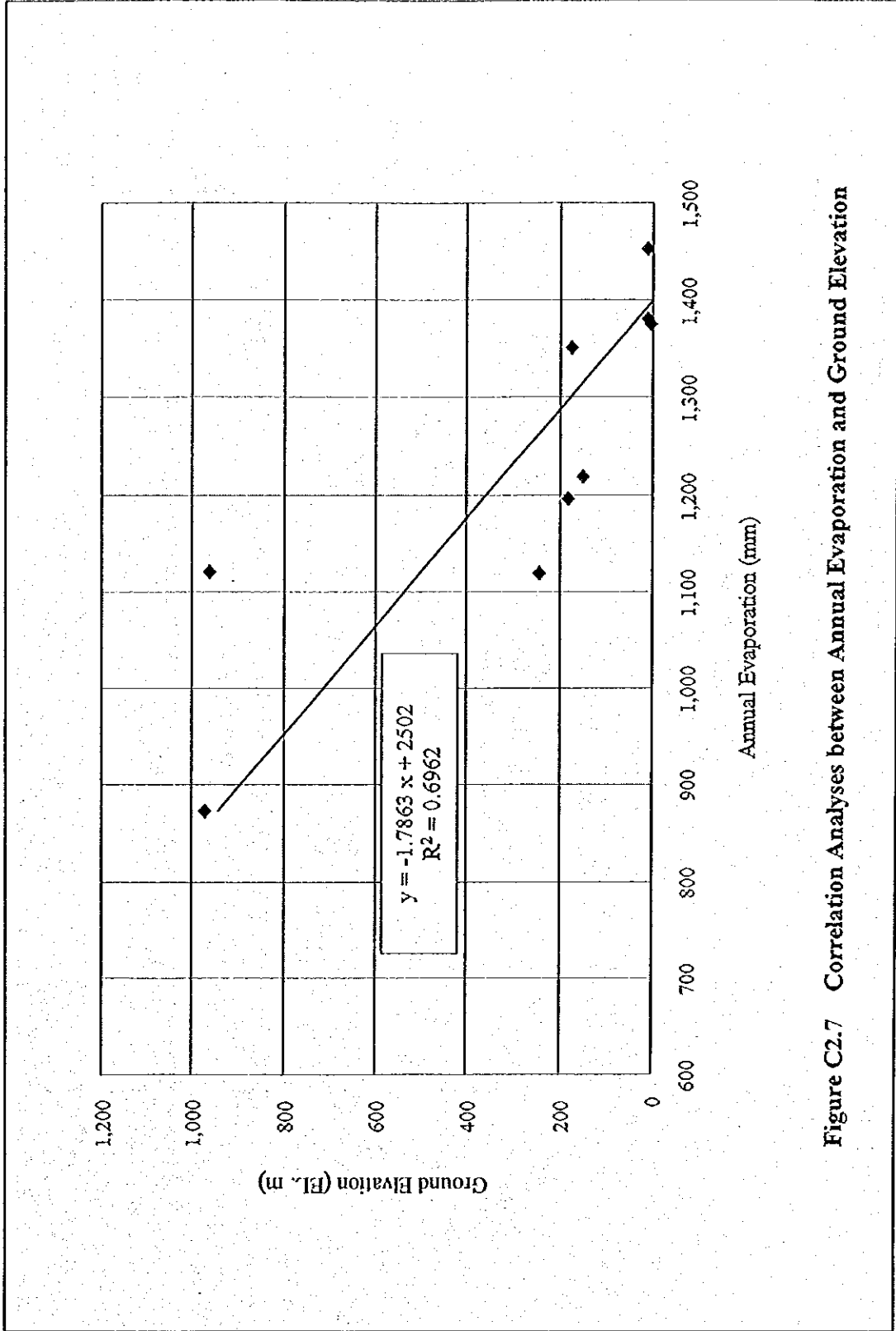
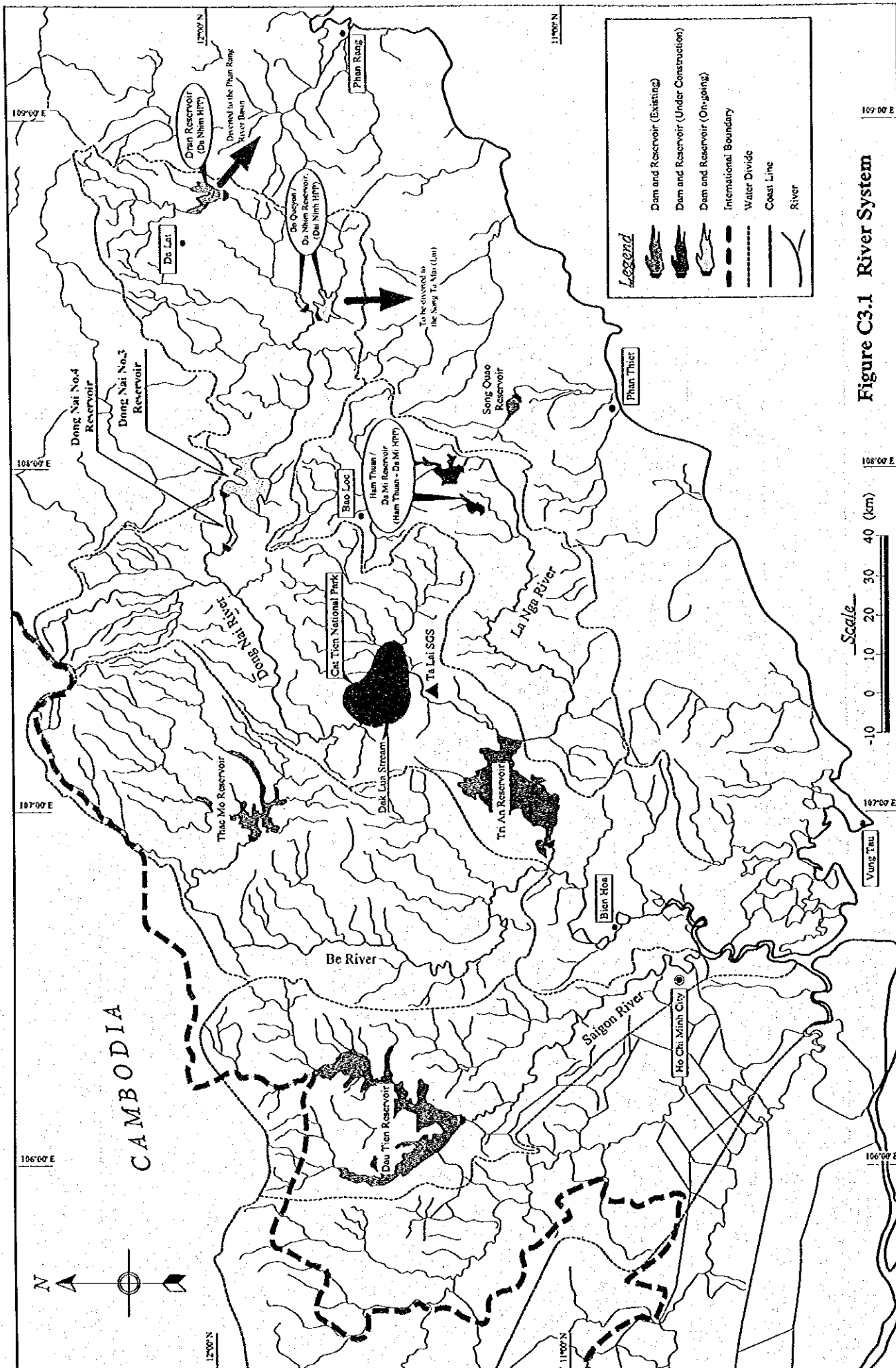


Figure C2.7 Correlation Analyses between Annual Evaporation and Ground Elevation



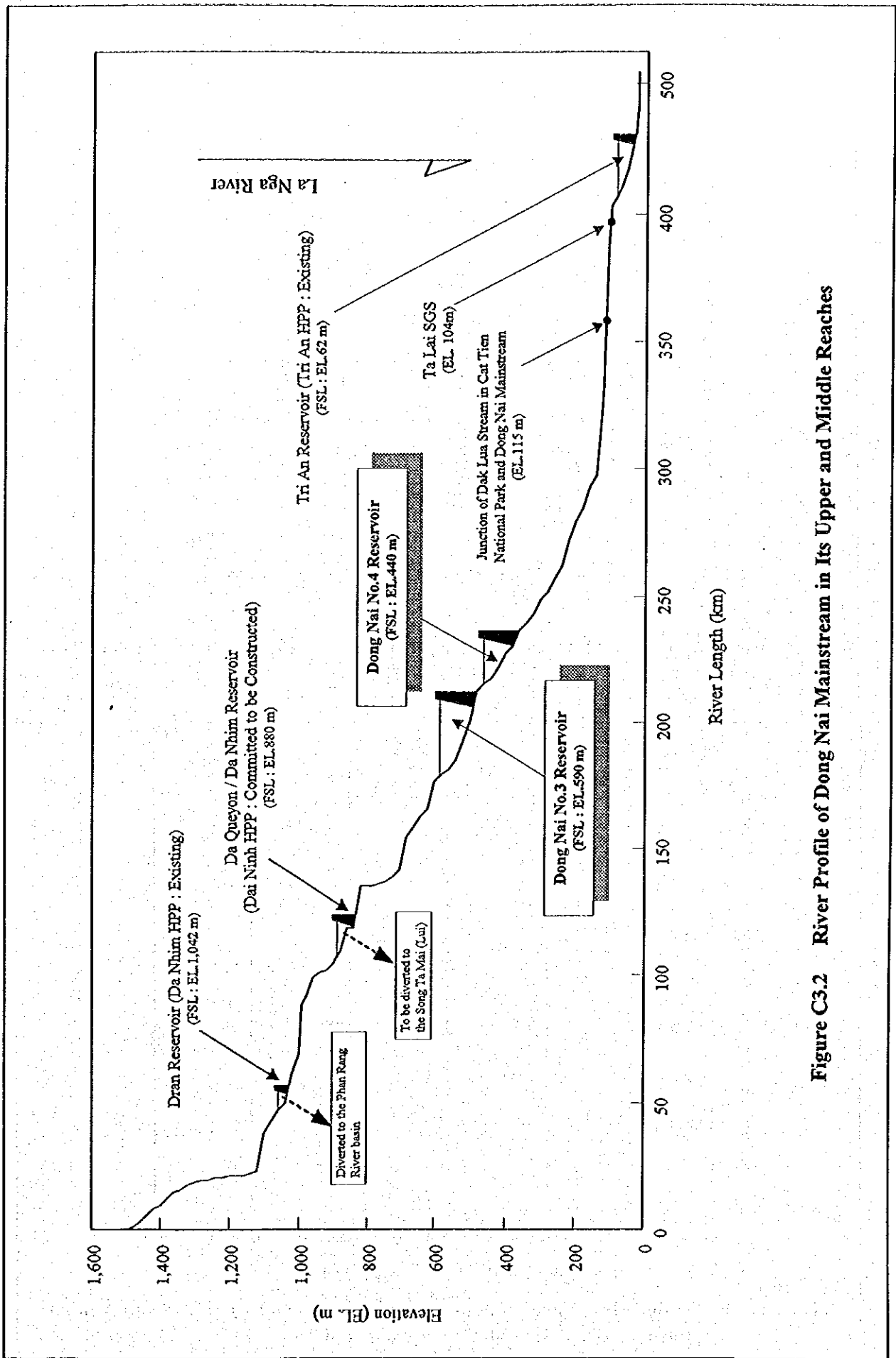


Figure C3.2 River Profile of Dong Nai Mainstream in Its Upper and Middle Reaches

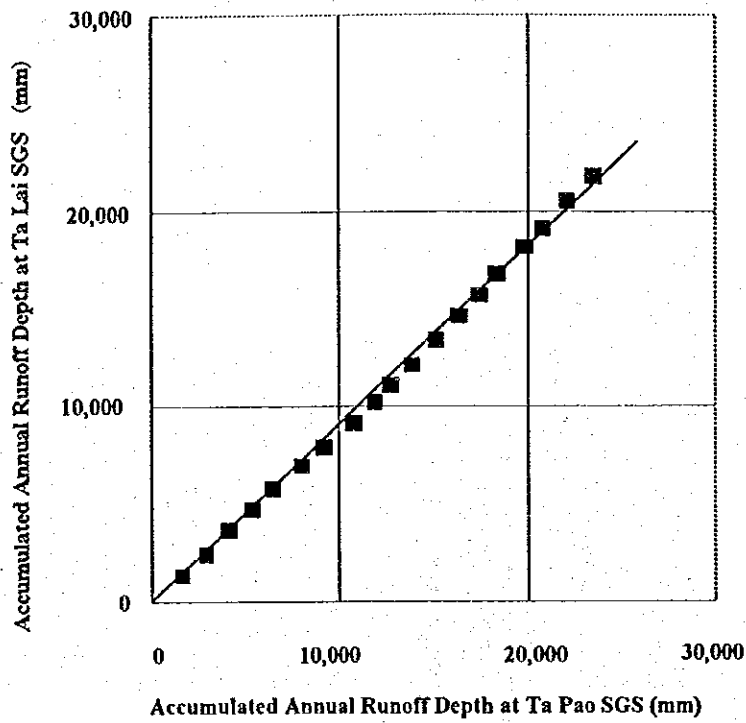


Figure C3.3 Double Mass Curve of Runoff Depth at Ta Lai SGS and Ta Pao SGS

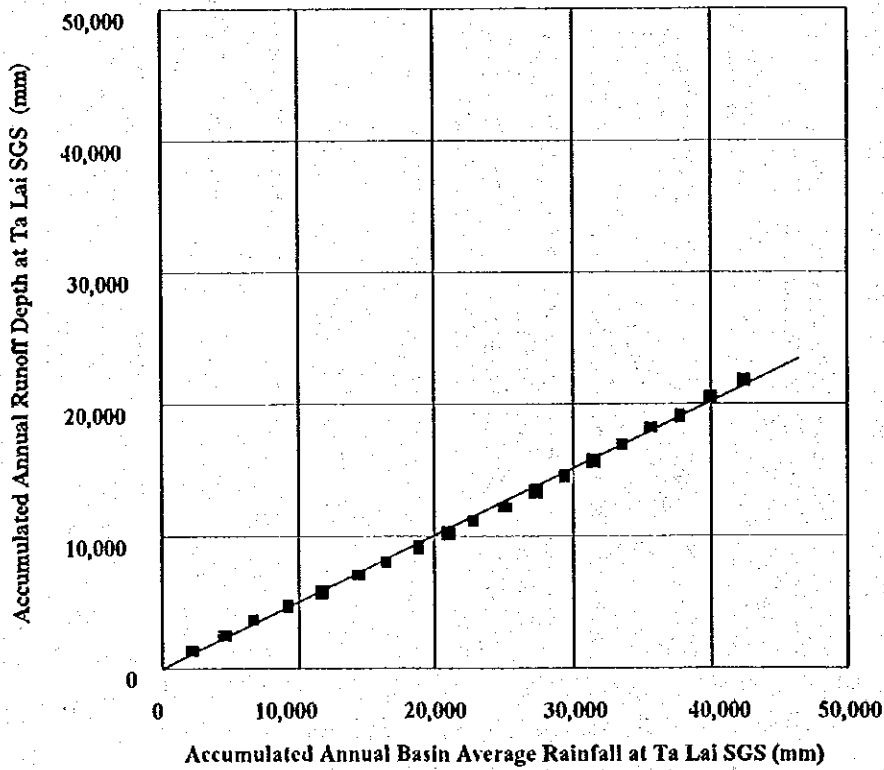


Figure C3.4 Double Mass Curve of Annual Runoff Depth at Ta Lai SGS and Annual Basin Average Rainfall for Catchment of Ta Lai SGS

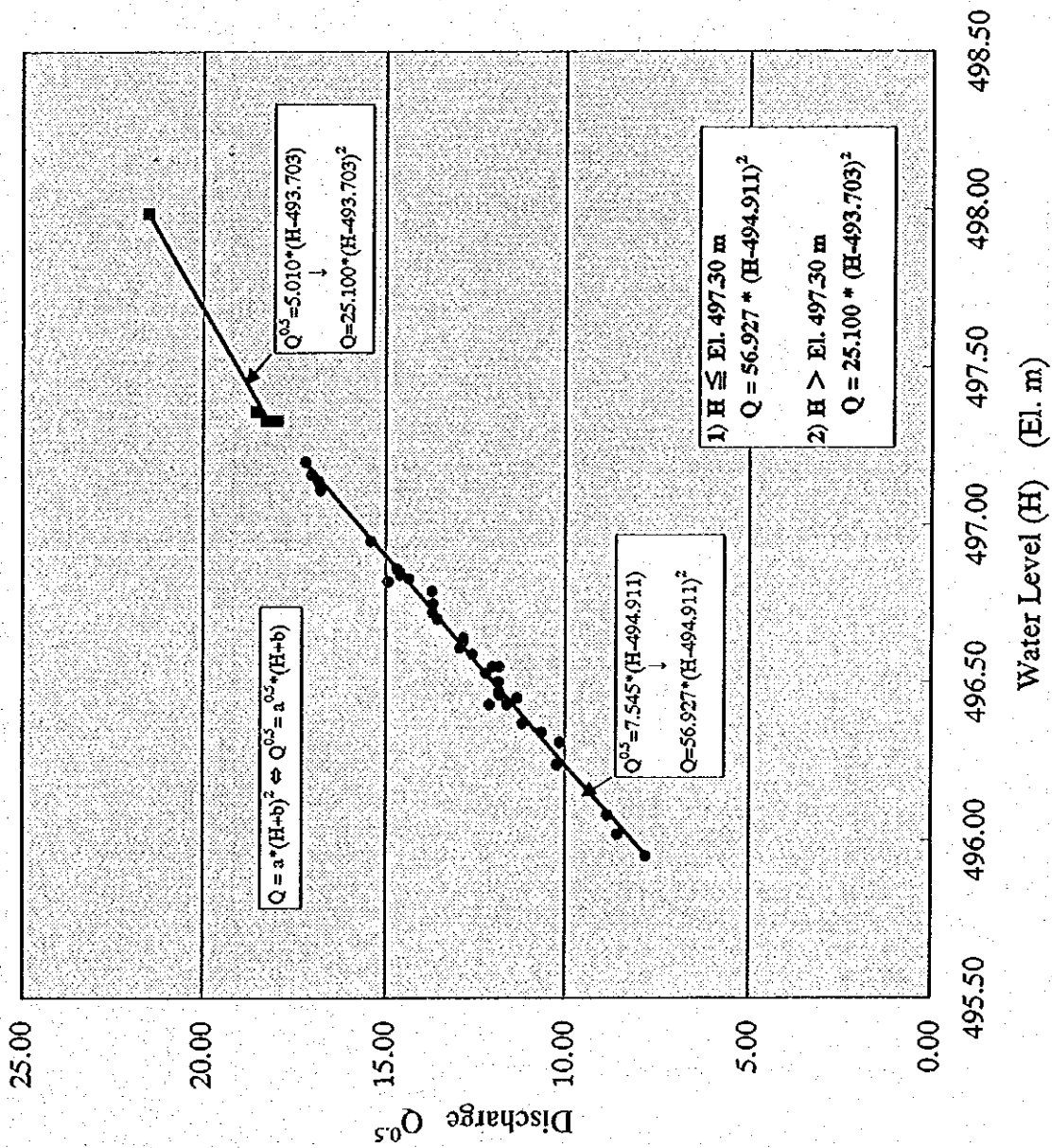


Figure C3.5 Stage-Discharge Rating Curve at New SGS near Dong Nai No.3 Dam Site

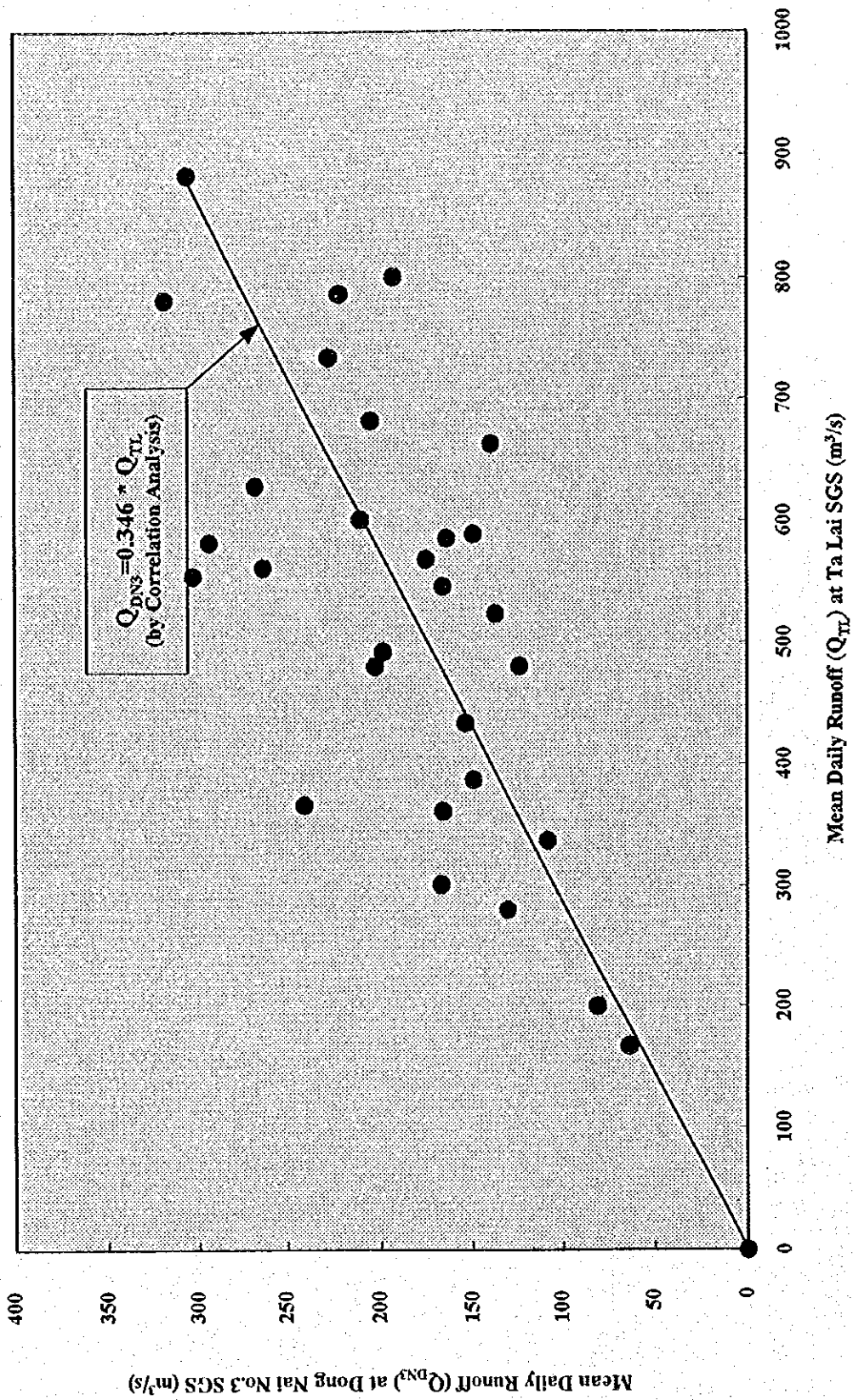


Figure C3.6 Relation between Mean 5-Day Discharges Ta Lai SGS and New SGS near Dong Nai No.3 Dam Site

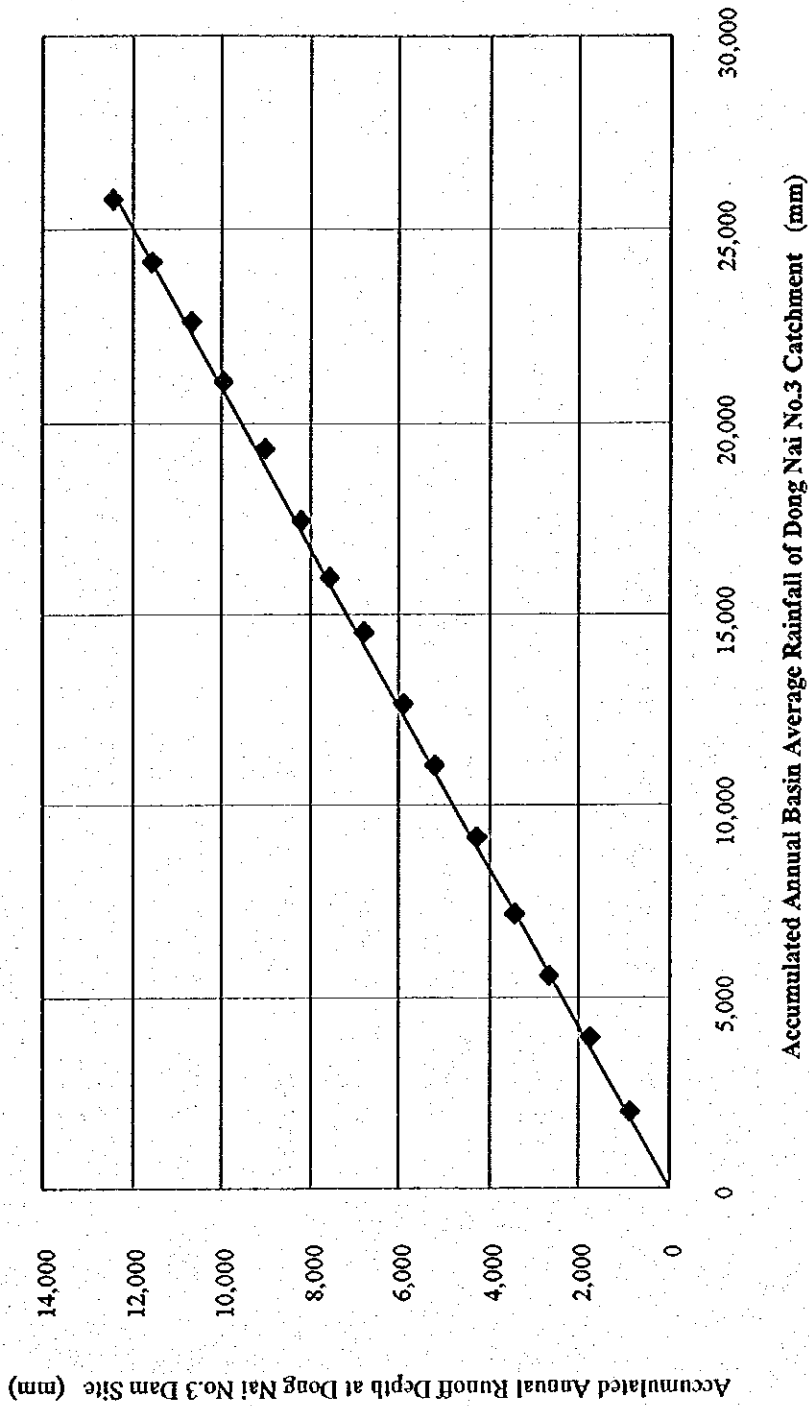


Figure C3.7 Double Mass Curve of Runoff Depths at Dong Nai No.3 Dam and Its Basin Average Rainfall

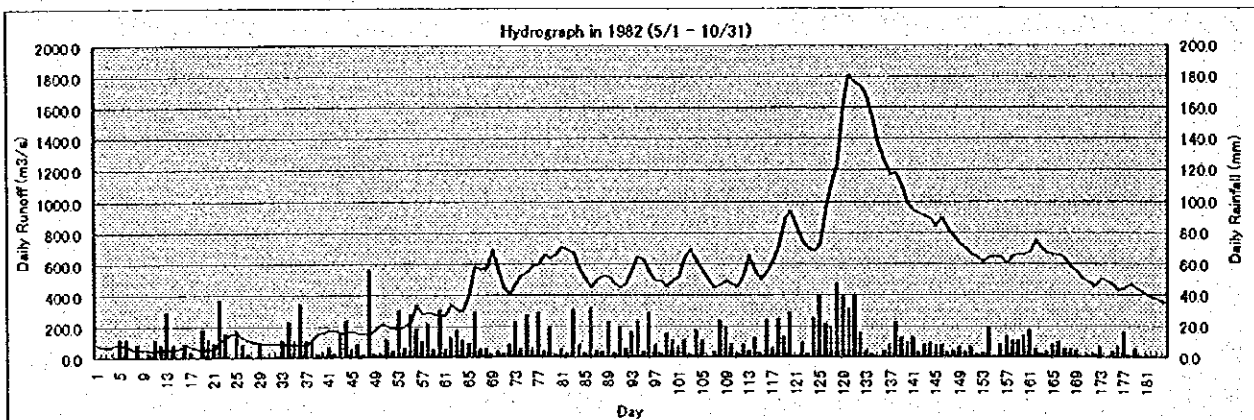
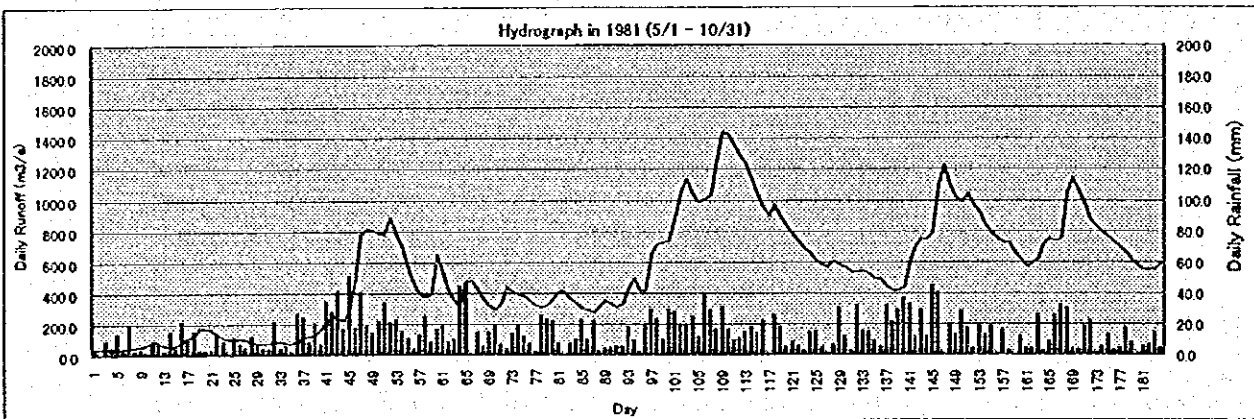
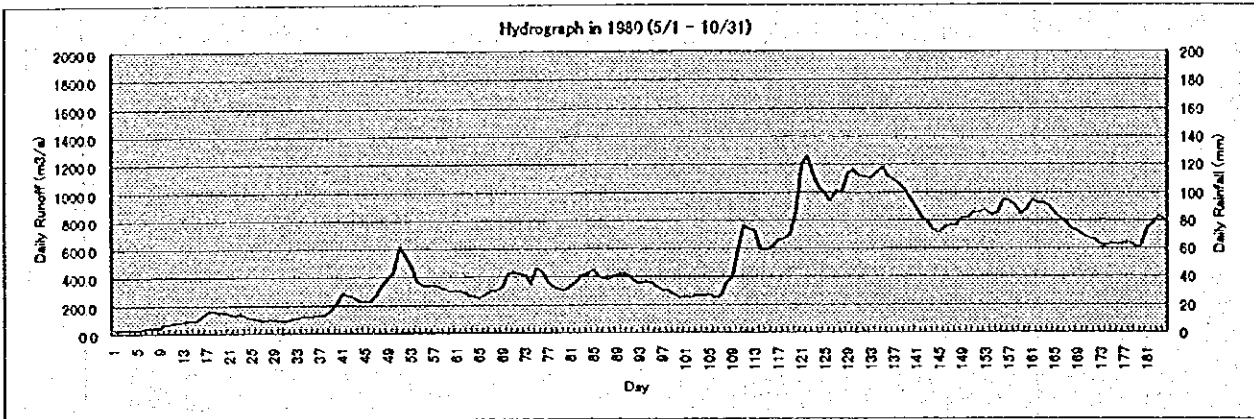
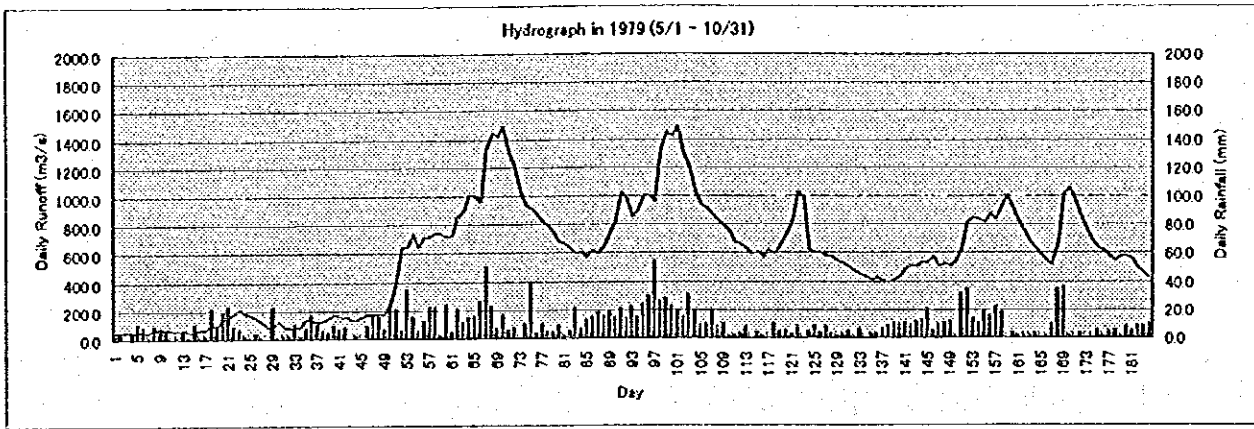


Figure C4.1 Major Flood Hydrographs Observed at Ta Lai SGS (1/5)

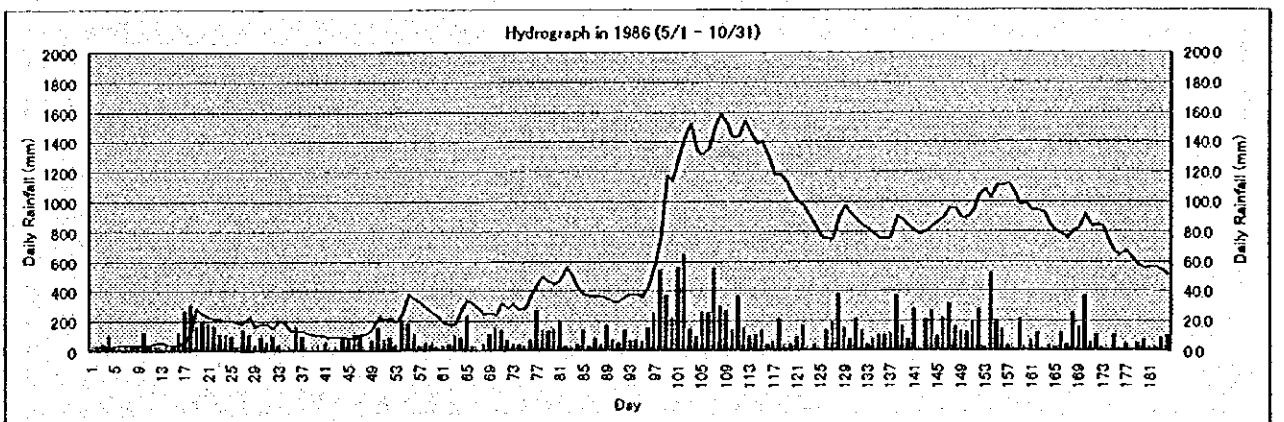
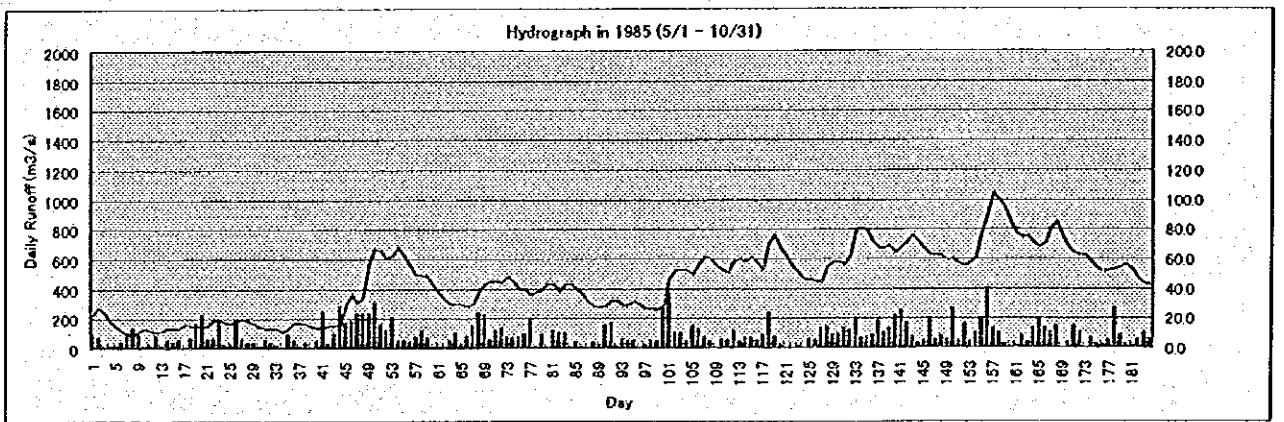
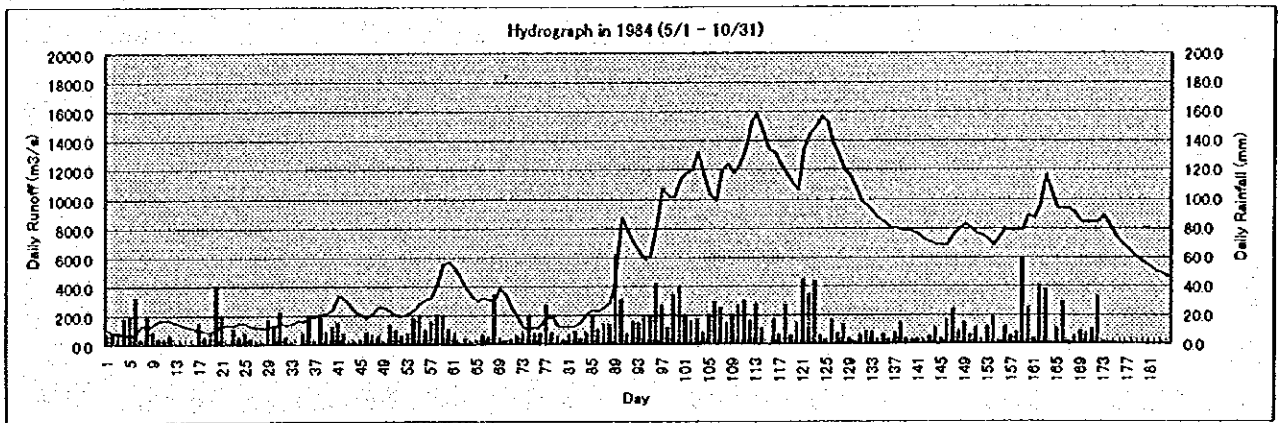
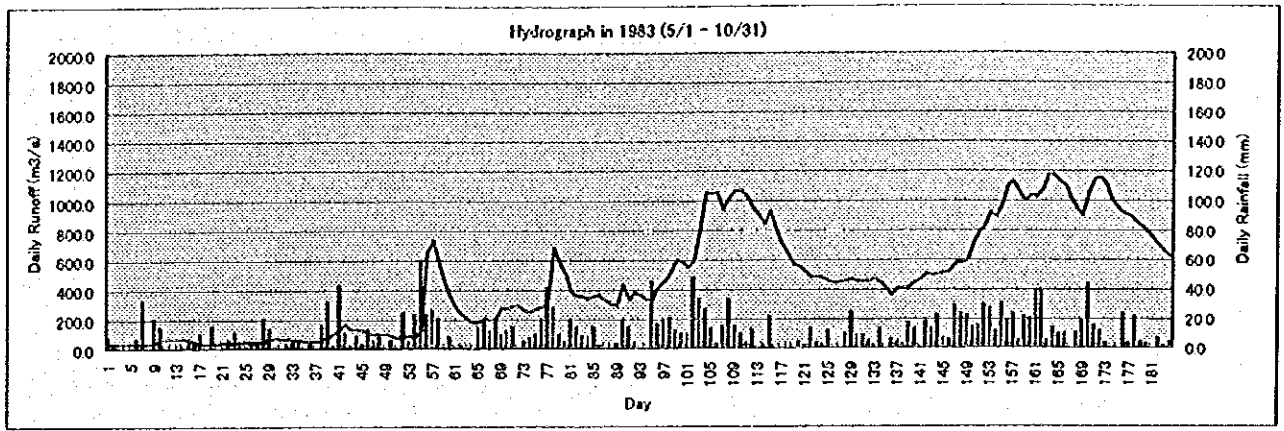


Figure C4.1 Major Flood Hydrographs Observed at Ta Lai SGS (2/5)

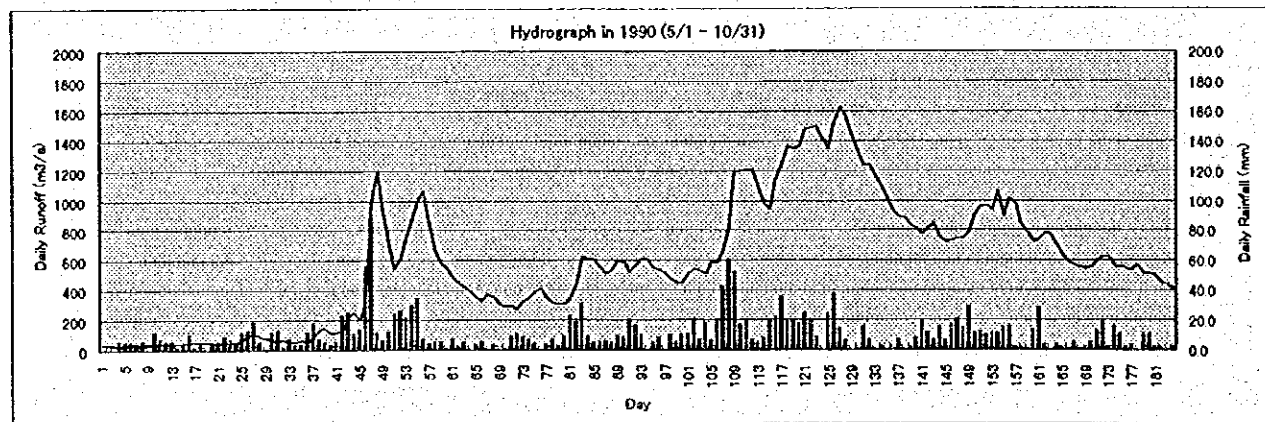
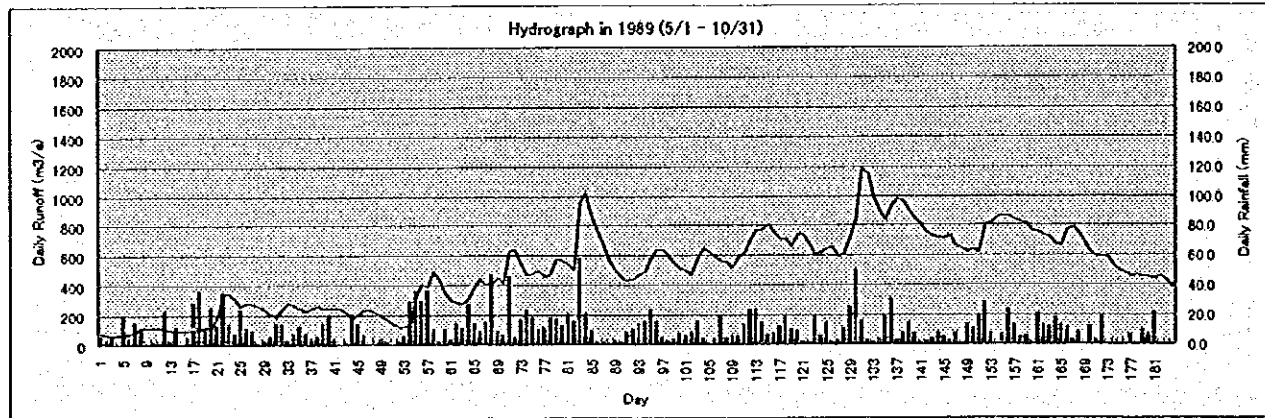
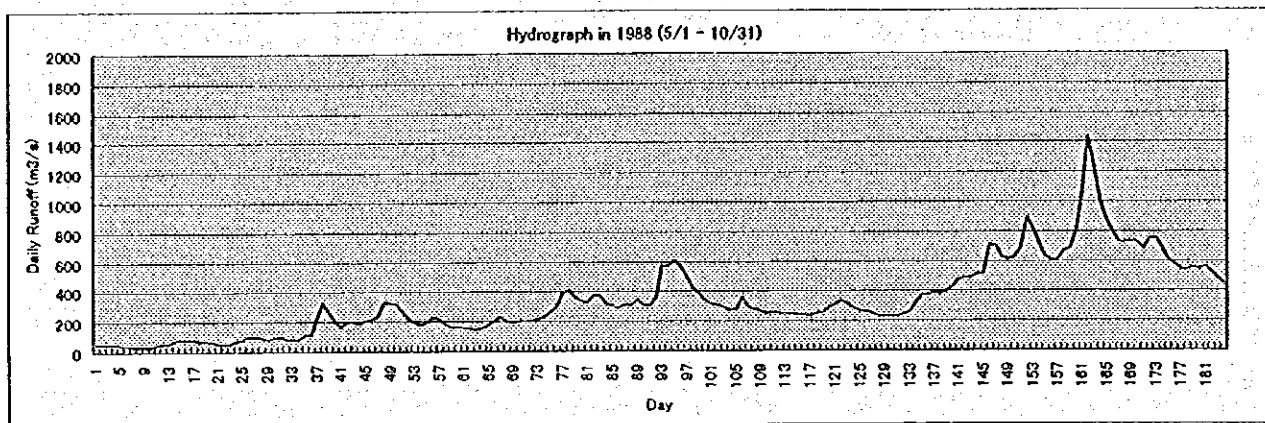
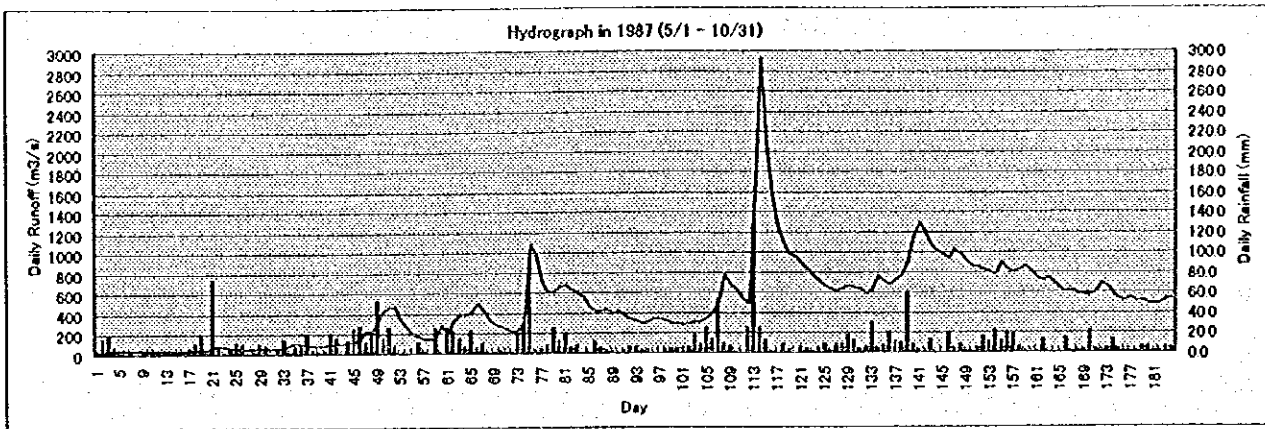


Figure C4.1 Major Flood Hydrographs Observed at Ta Lai SGS (3/5)

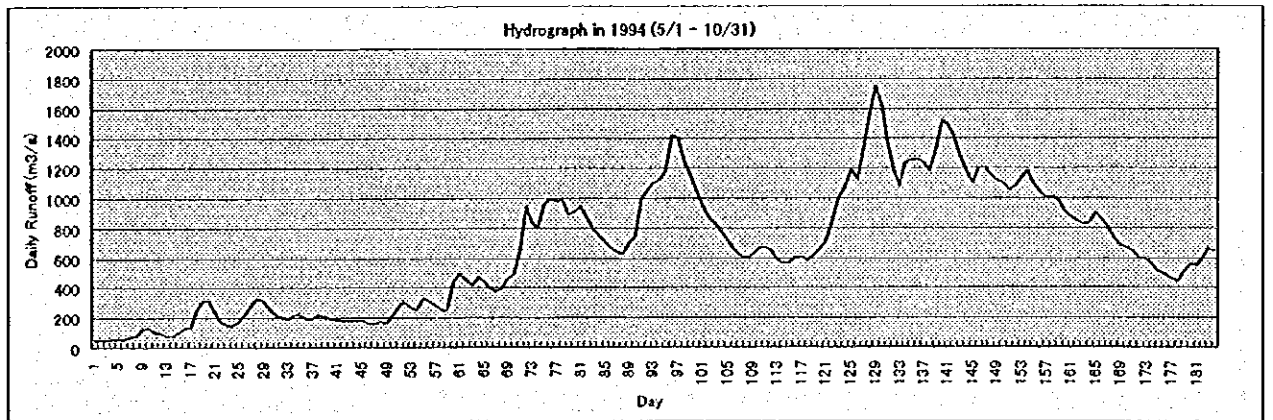
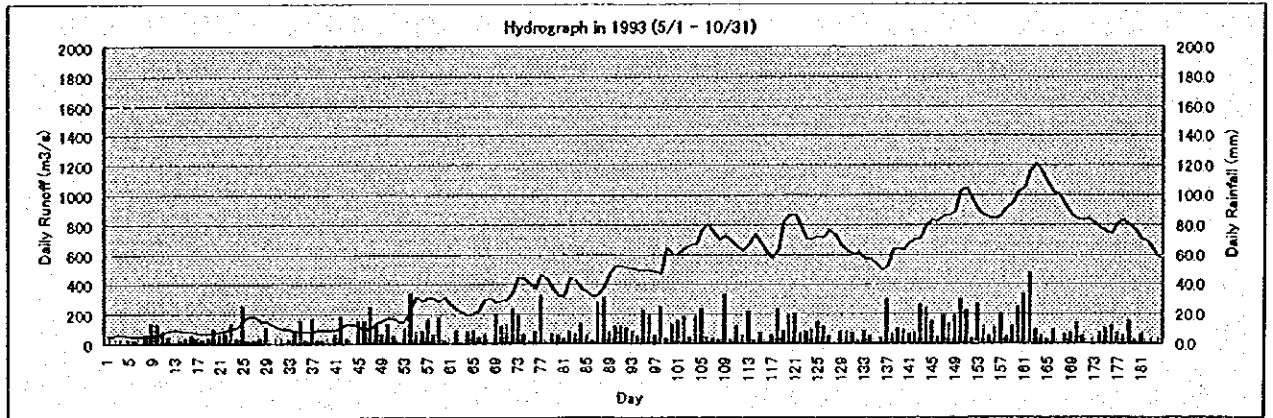
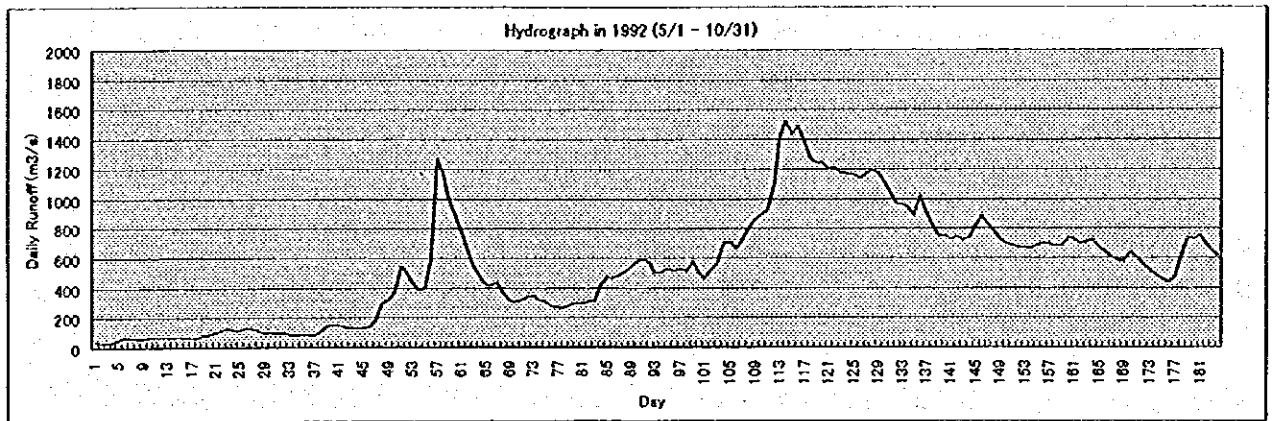
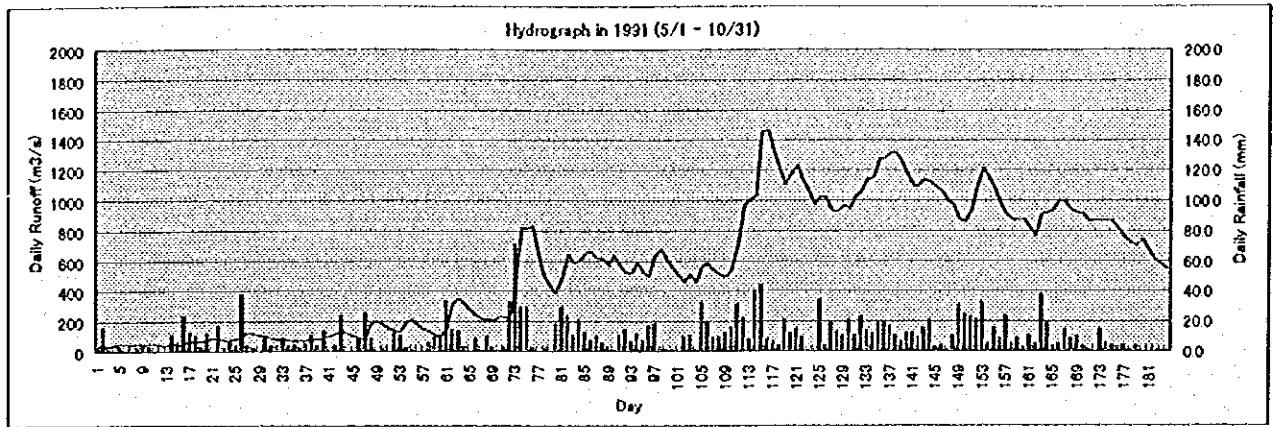


Figure C4.1 Major Flood Hydrographs Observed at Ta Lai SGS (4/5)

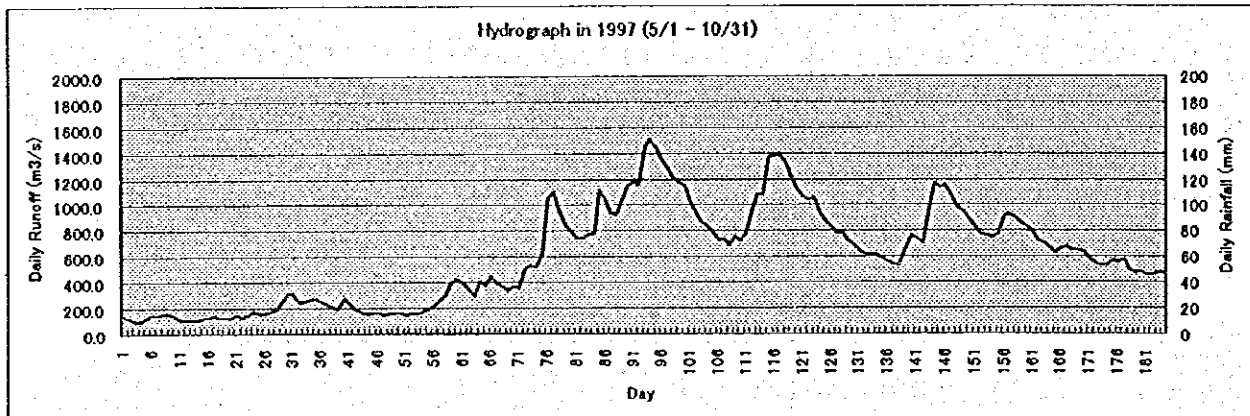
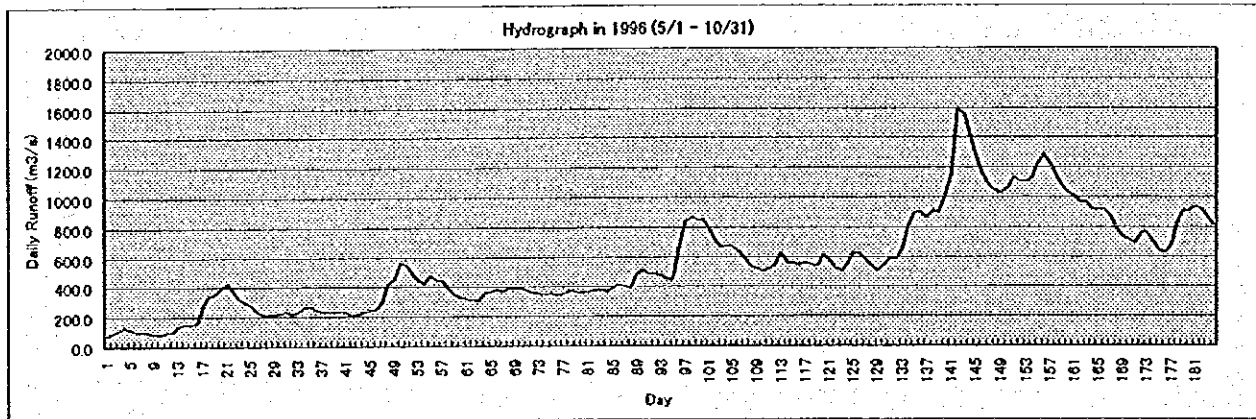
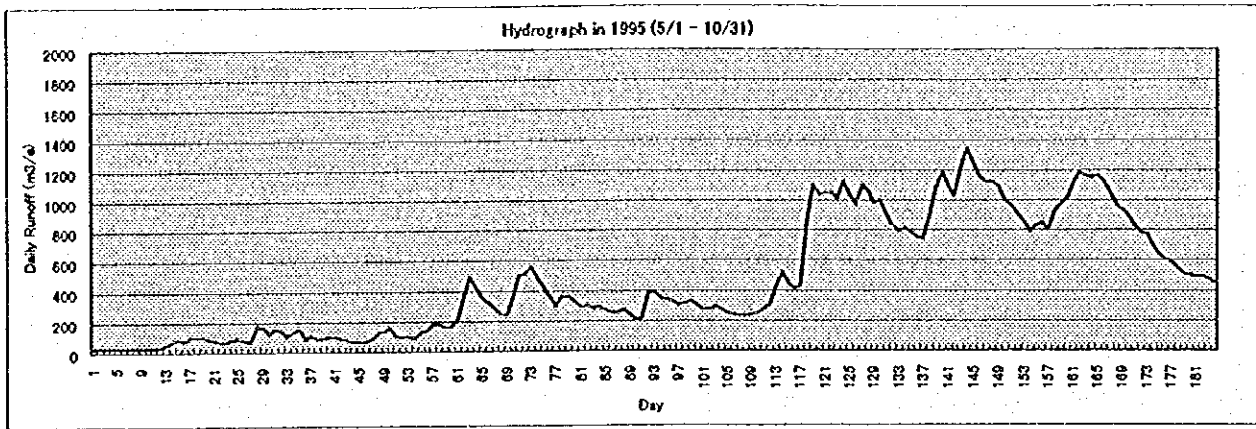


Figure C4.1 Major Flood Hydrographs Observed at Ta Lai SGS (5/5)

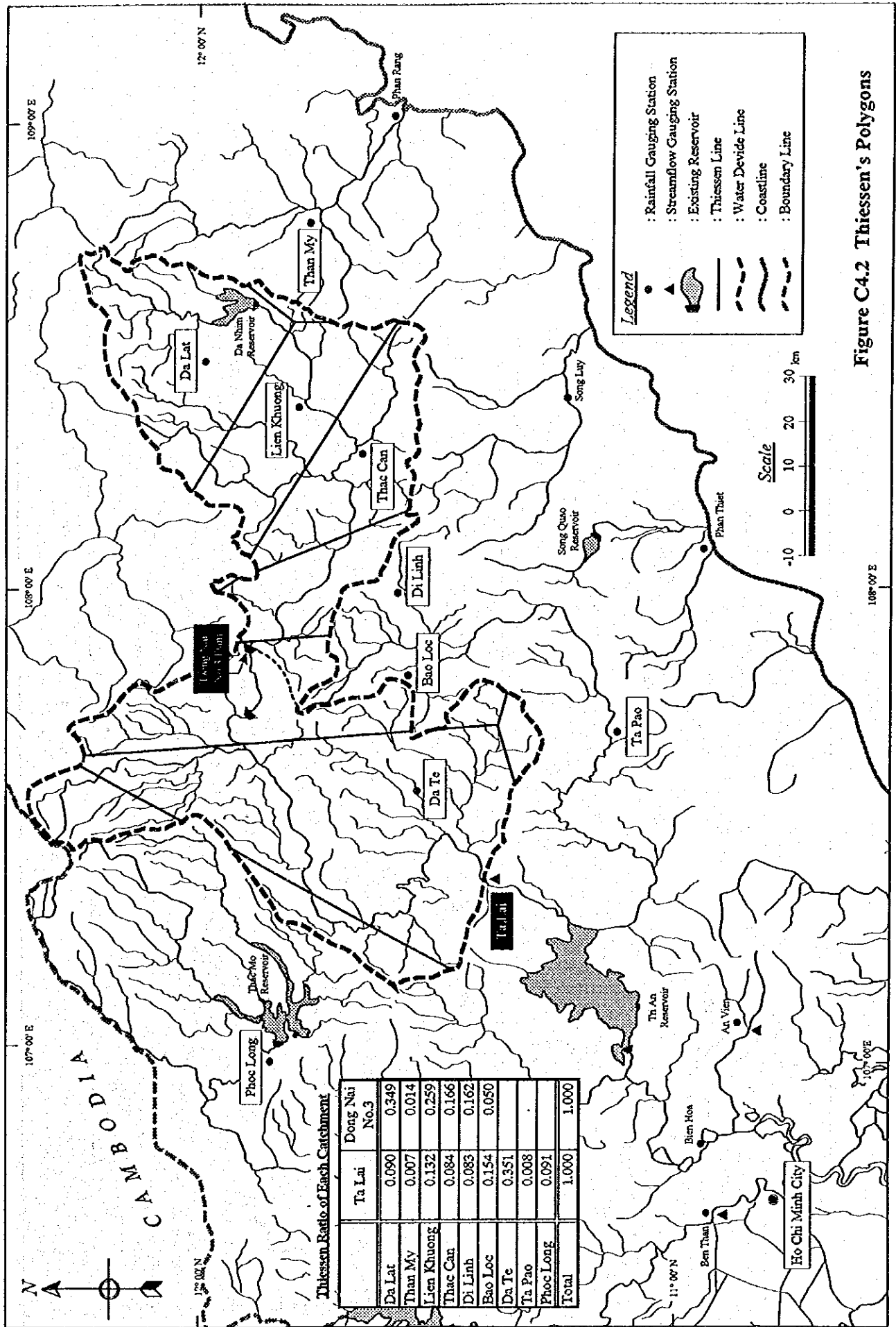


Figure C4.2 Thiessen's Polygons

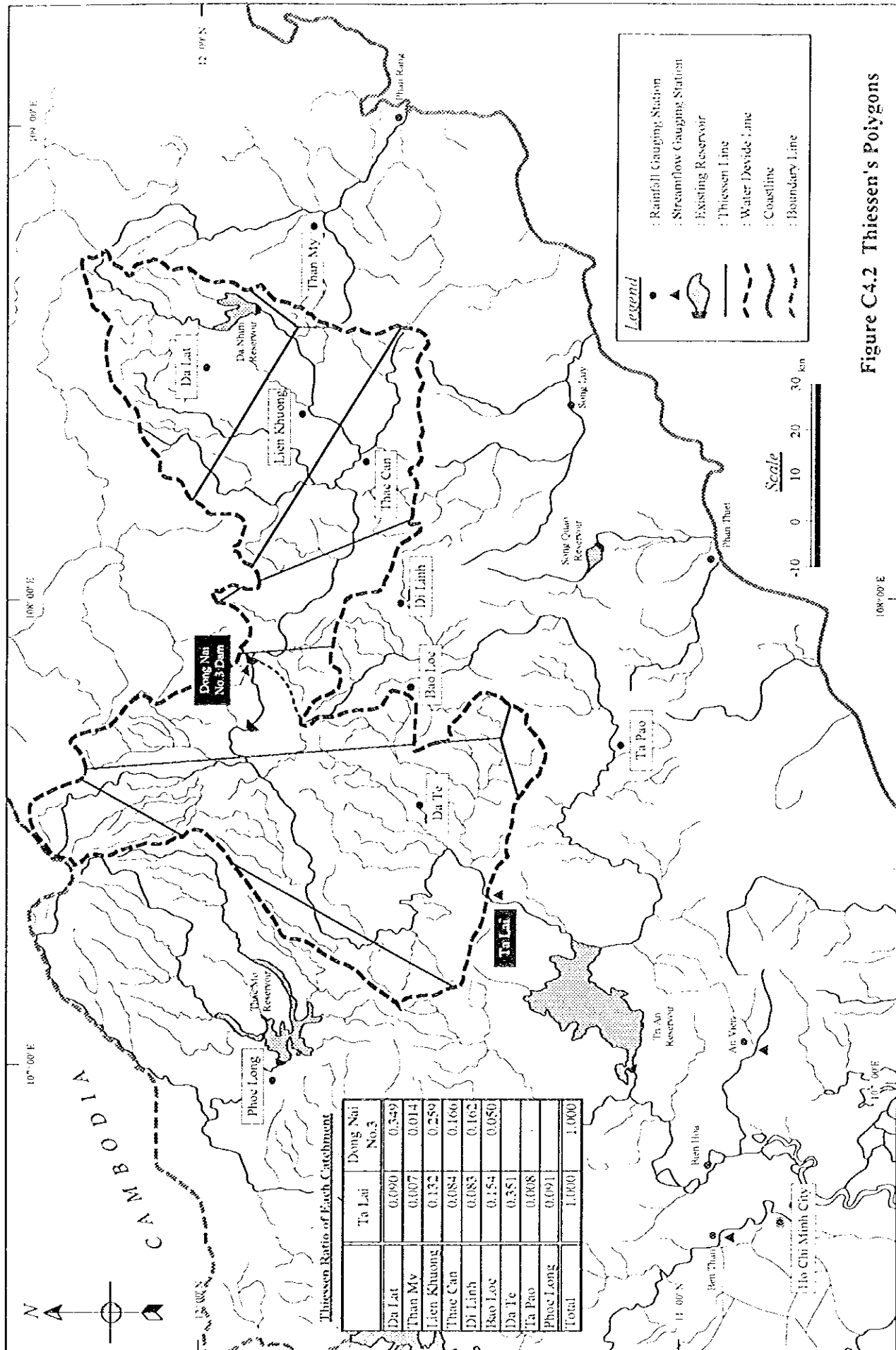
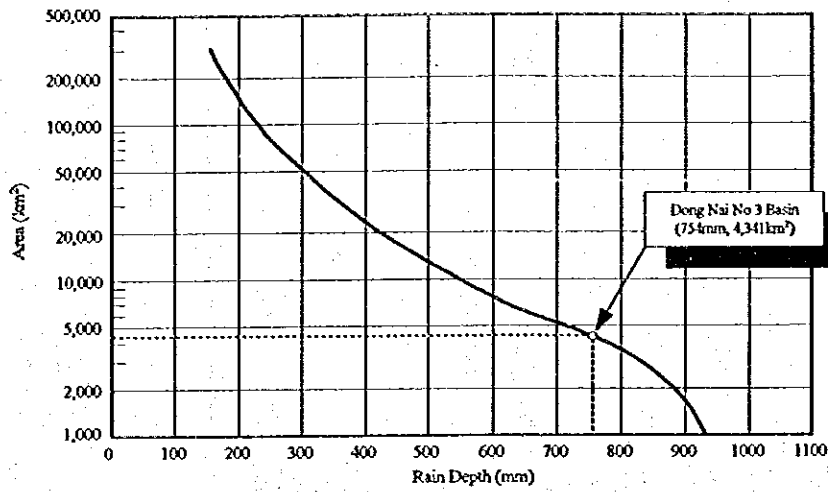
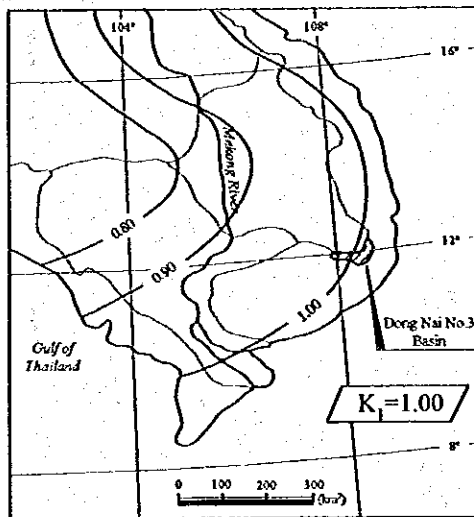


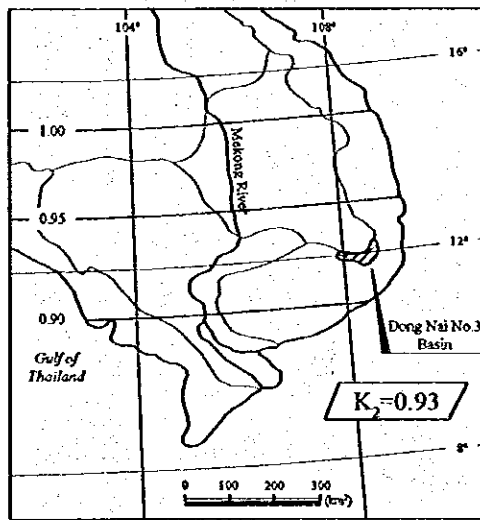
Figure C4.2 Thiessen's Polygons



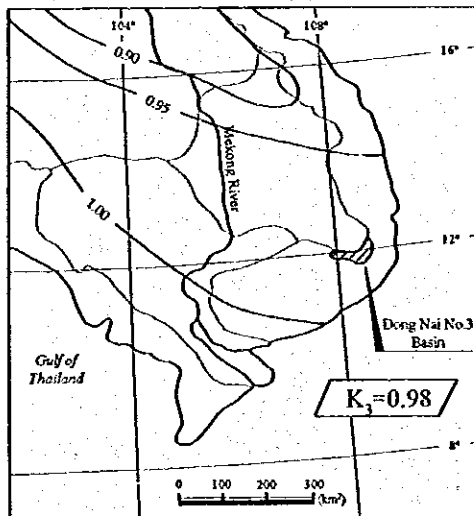
24 Hour Depth-area-duration Curve of Probable Maximum Precipitation In Vietnam



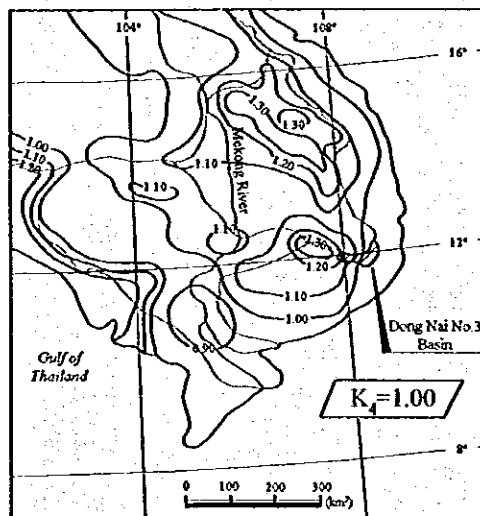
Adjustment for Distance Inland



Latitude Adjustment



Barrier Adjustment



Adjustment for Basin Topography

$$PMP = P_0 \times K_1 \times K_2 \times K_3 \times K_4 = 754 \times 1.00 \times 0.93 \times 0.98 \times 1.00 = 687 \text{ (mm)}$$

Figure C4.3 Probable Maximum Precipitation

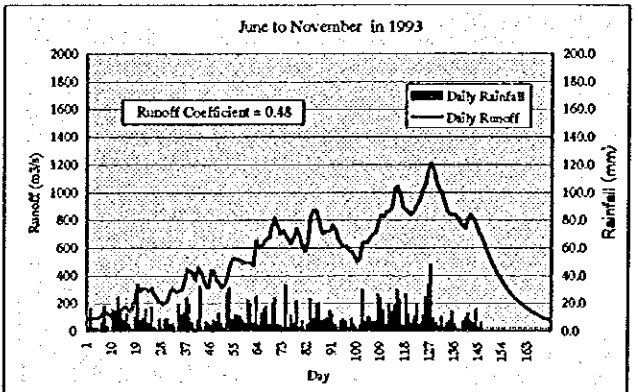
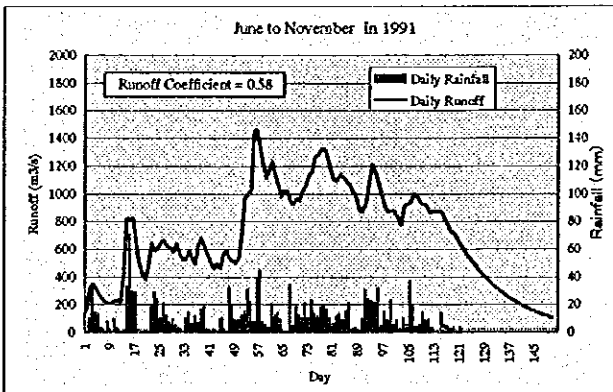
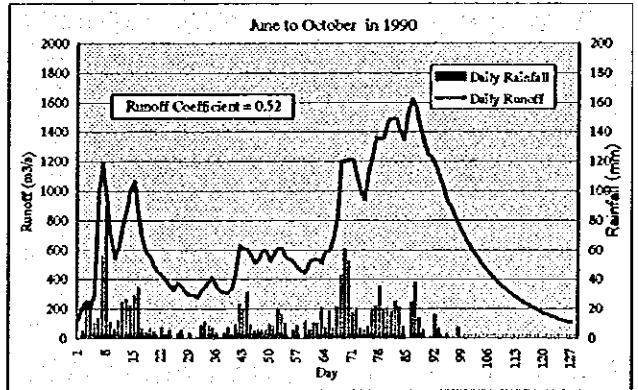
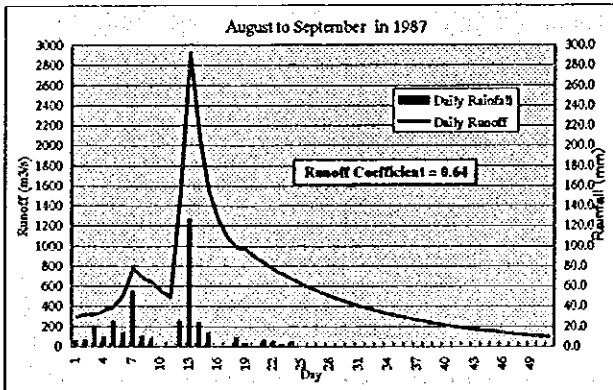
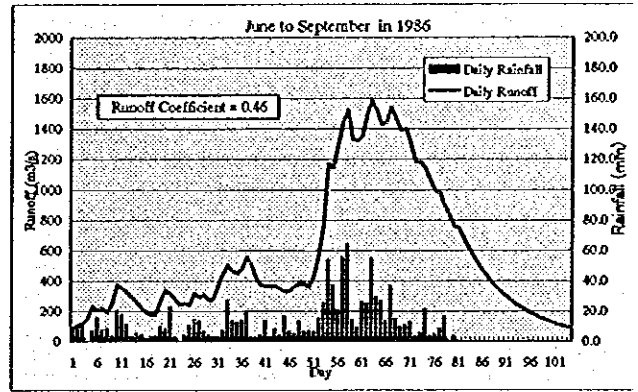
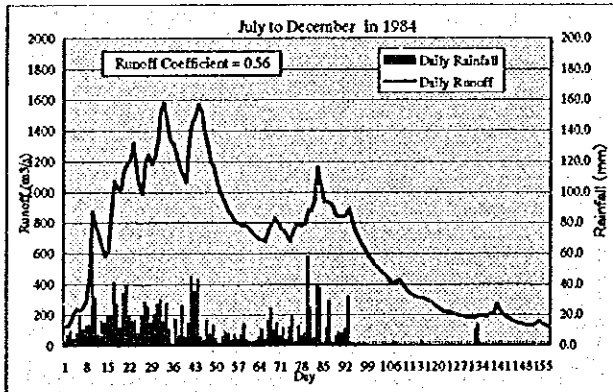
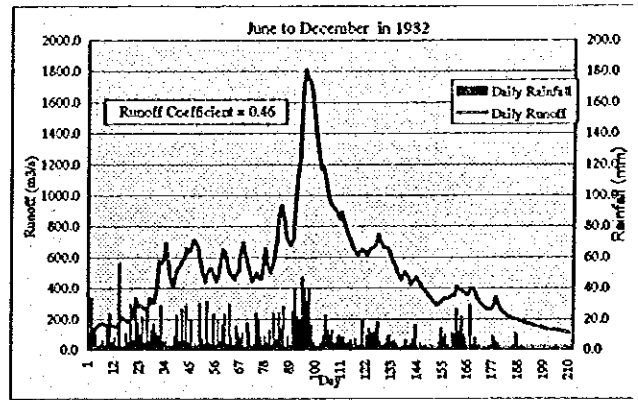
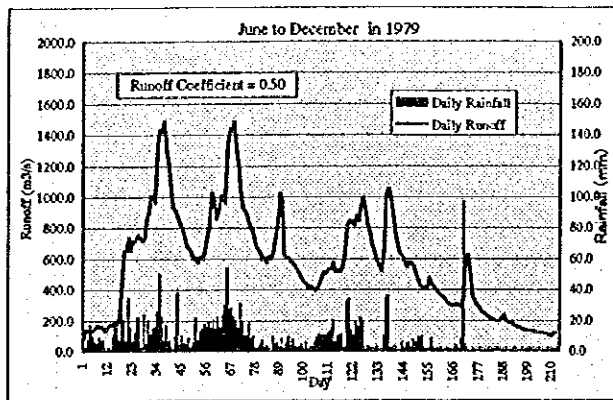


Figure C4.4 Major Flood at Ta Lai SGS used for calculation of Runoff Coefficient

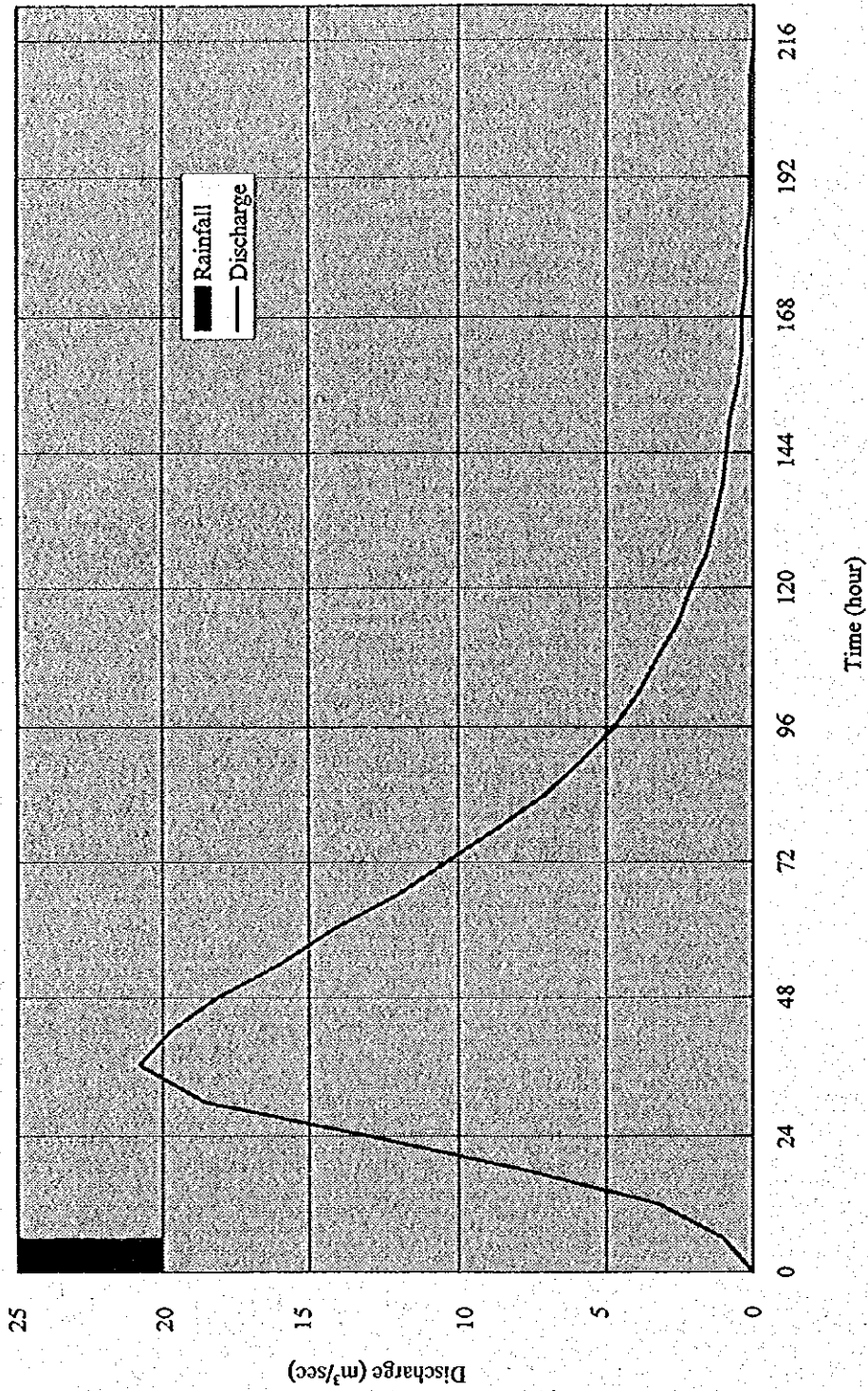
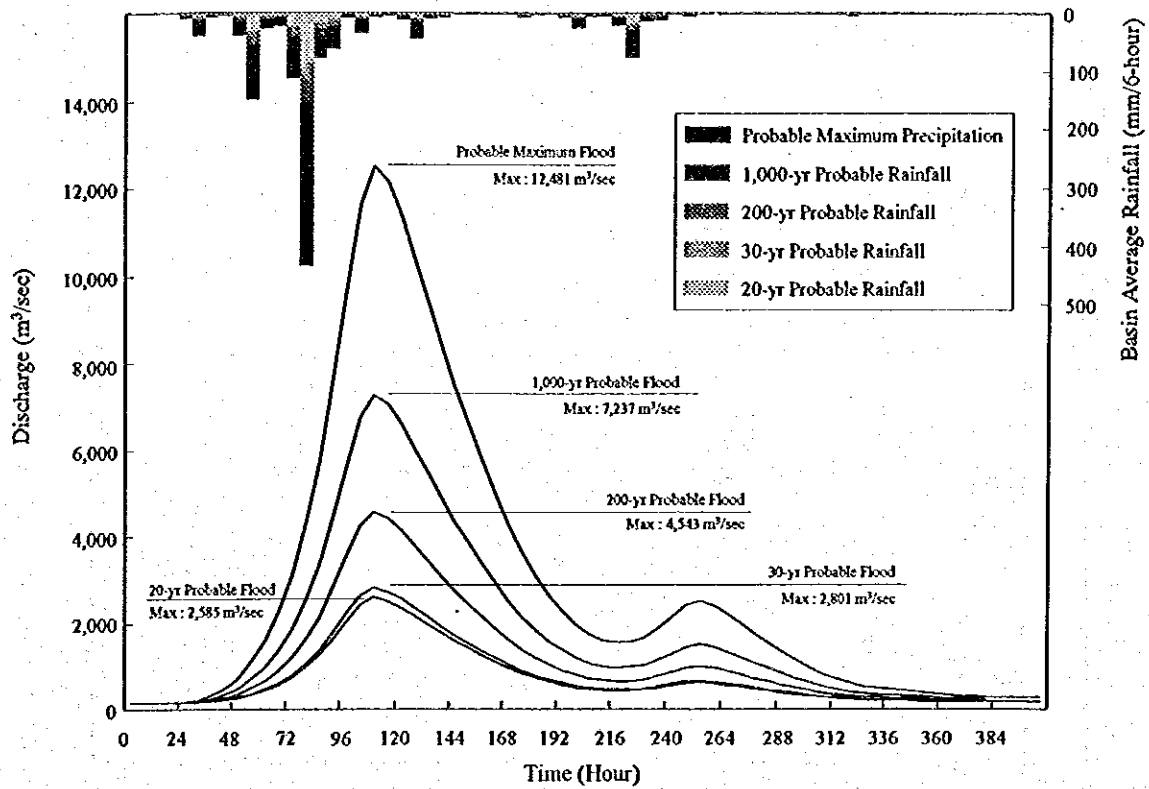
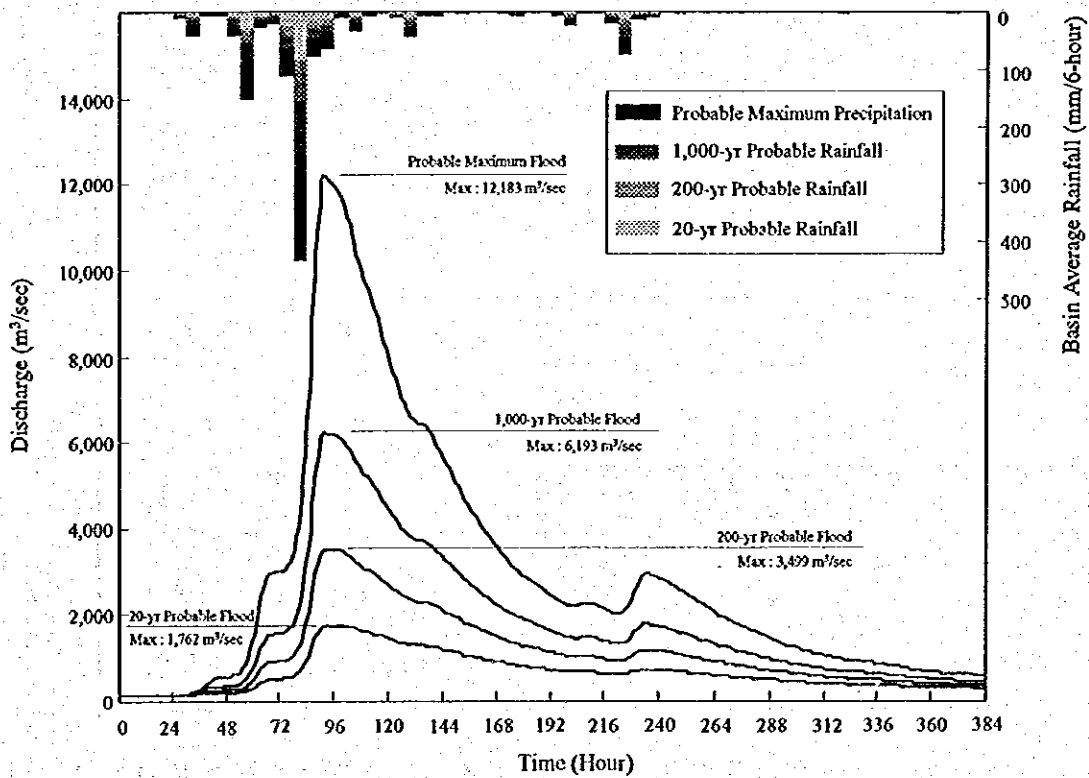


Figure C4.5 Unitgraph at Dong Nai No.3 Dam Site



(1) Probable Floods at Dong Nai No.3 Site (Calculated by Unit Graph Method)



(2) Probable Floods at Dong Nai No.3 Site (Calculated by Storage Function Method)

Figure C4.6 Hydrographs of Probable Floods and PMF at Dong Nai No.3 Dam Site

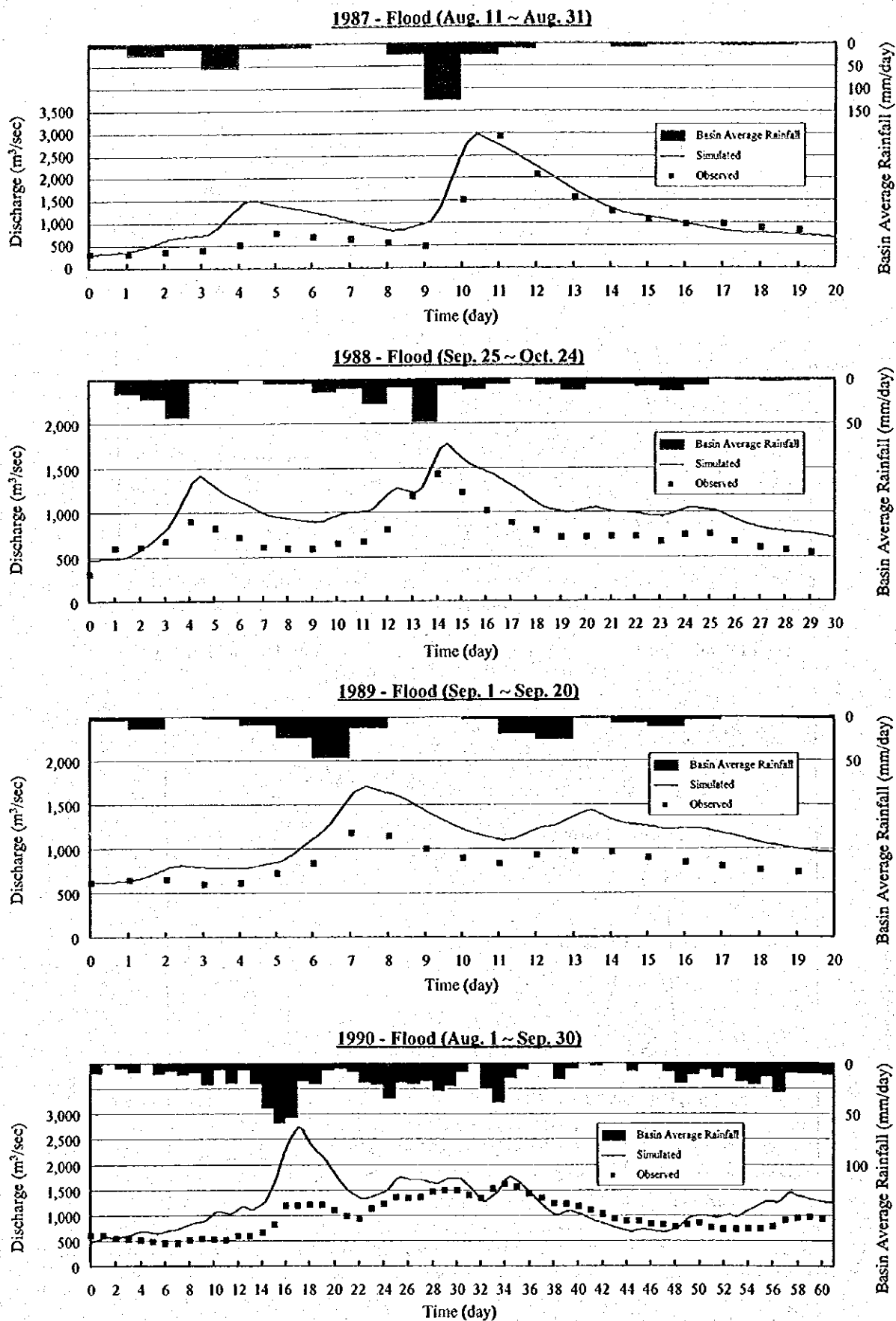


Figure C4.7 Comparison of Flood Hydrographs Observed and Estimated with Storage Function Model

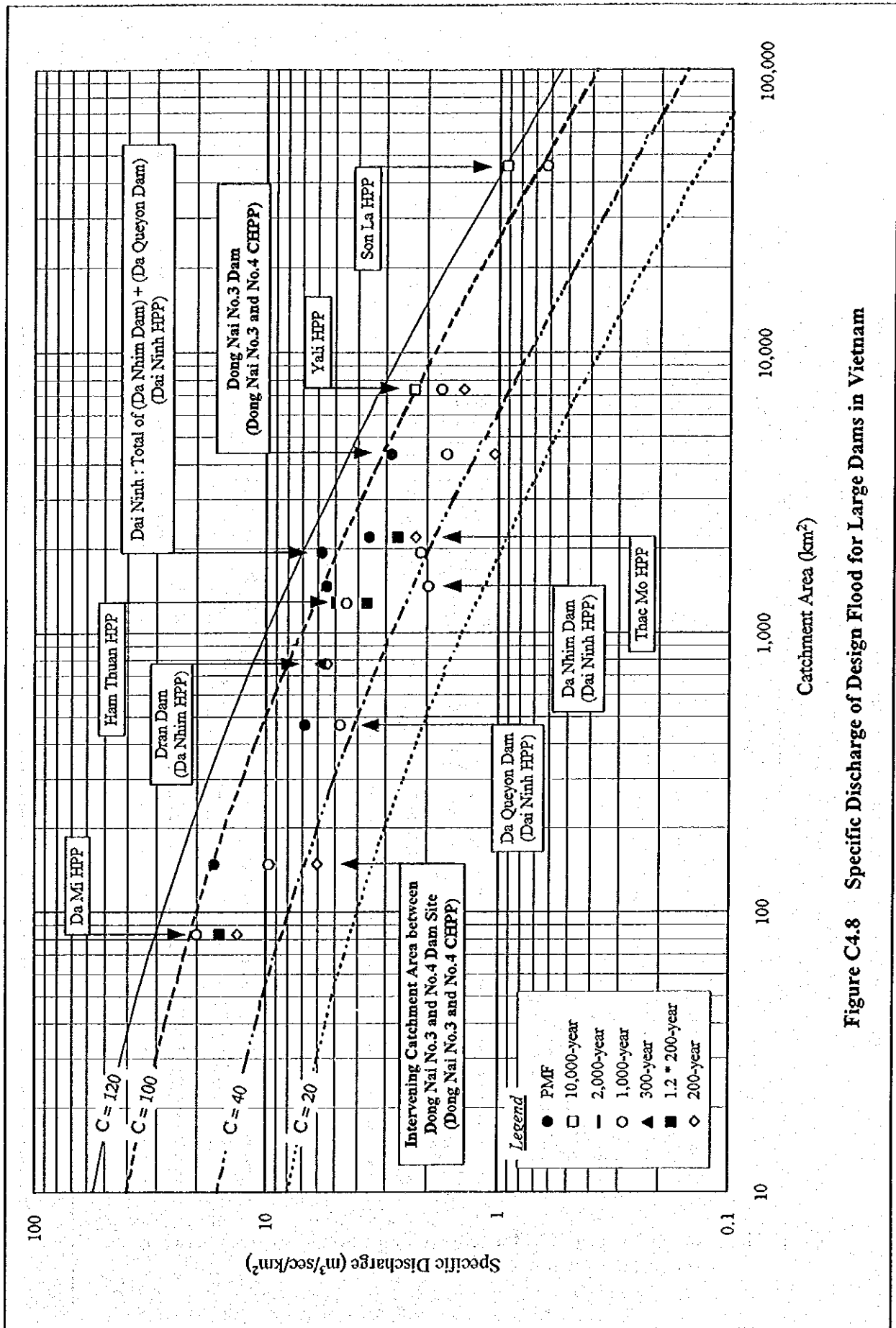
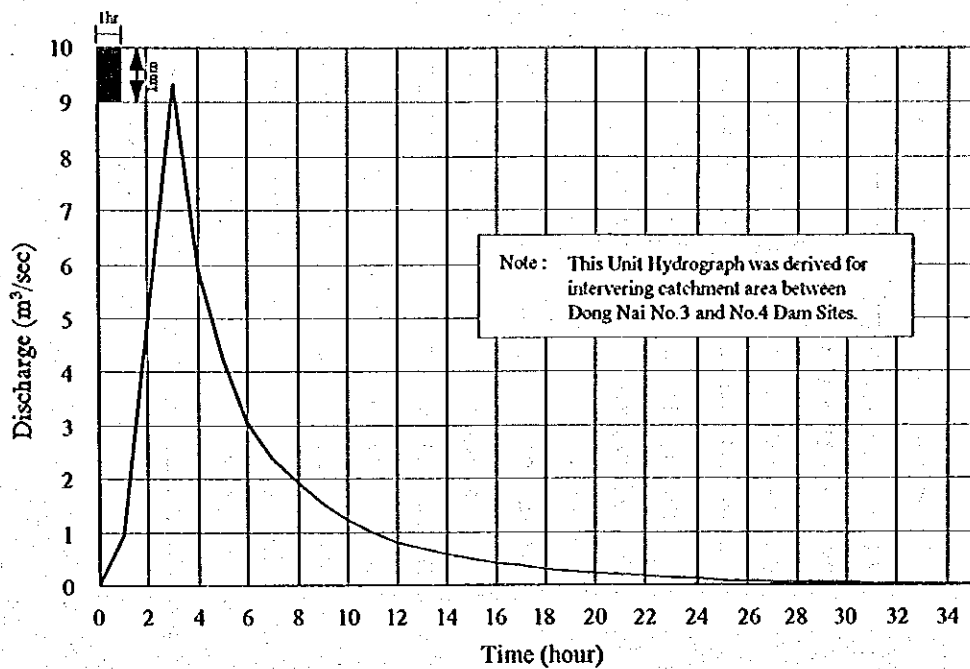
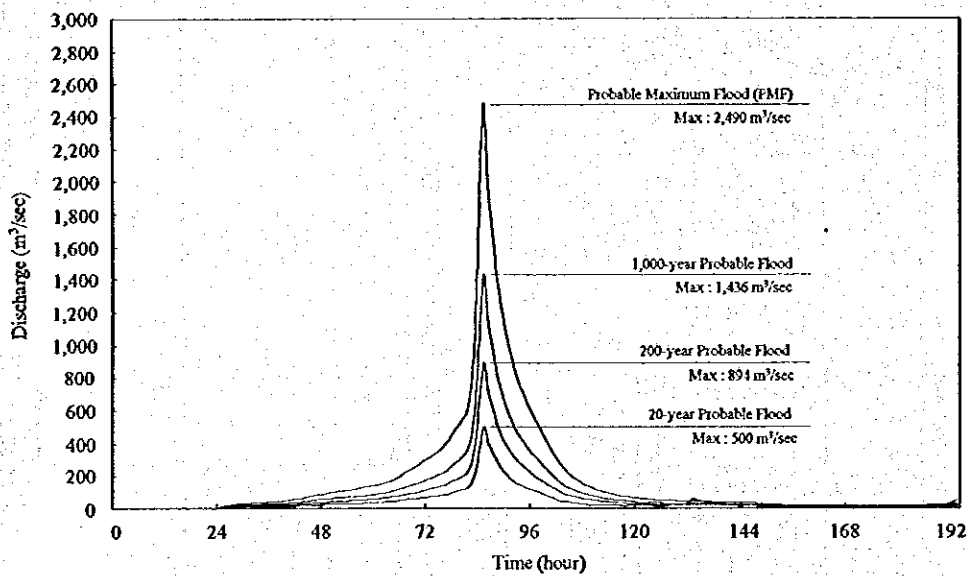


Figure C4.8 Specific Discharge of Design Flood for Large Dams in Vietnam



(1) Nakayasu's Synthetic Unit Hydrograph



(2) Estimated Flood Hydrographs

Figure C4.9 Flood Hydrographs for Intervening Catchment Area between Dong Nai No.3 and No.4 Dam Sites (C.A.=149km²)