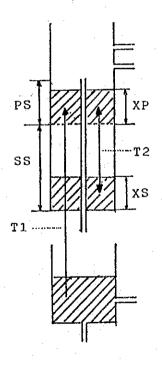


## 1. Parameter of Tanks

- (1) C1U, C1L, C2, C3, C4:
  Discharge coefficients of side
  holes
- (2) CB1, CB2, CB3:
  Discharge coefficients of bottom holes
- (3) H1U, H1L, H2, H3, H4: Height of side holes
- (4) PS: Capacity of primary soil moisture:
- (5) SS:
   Capacity of secondary soil
   moisture:



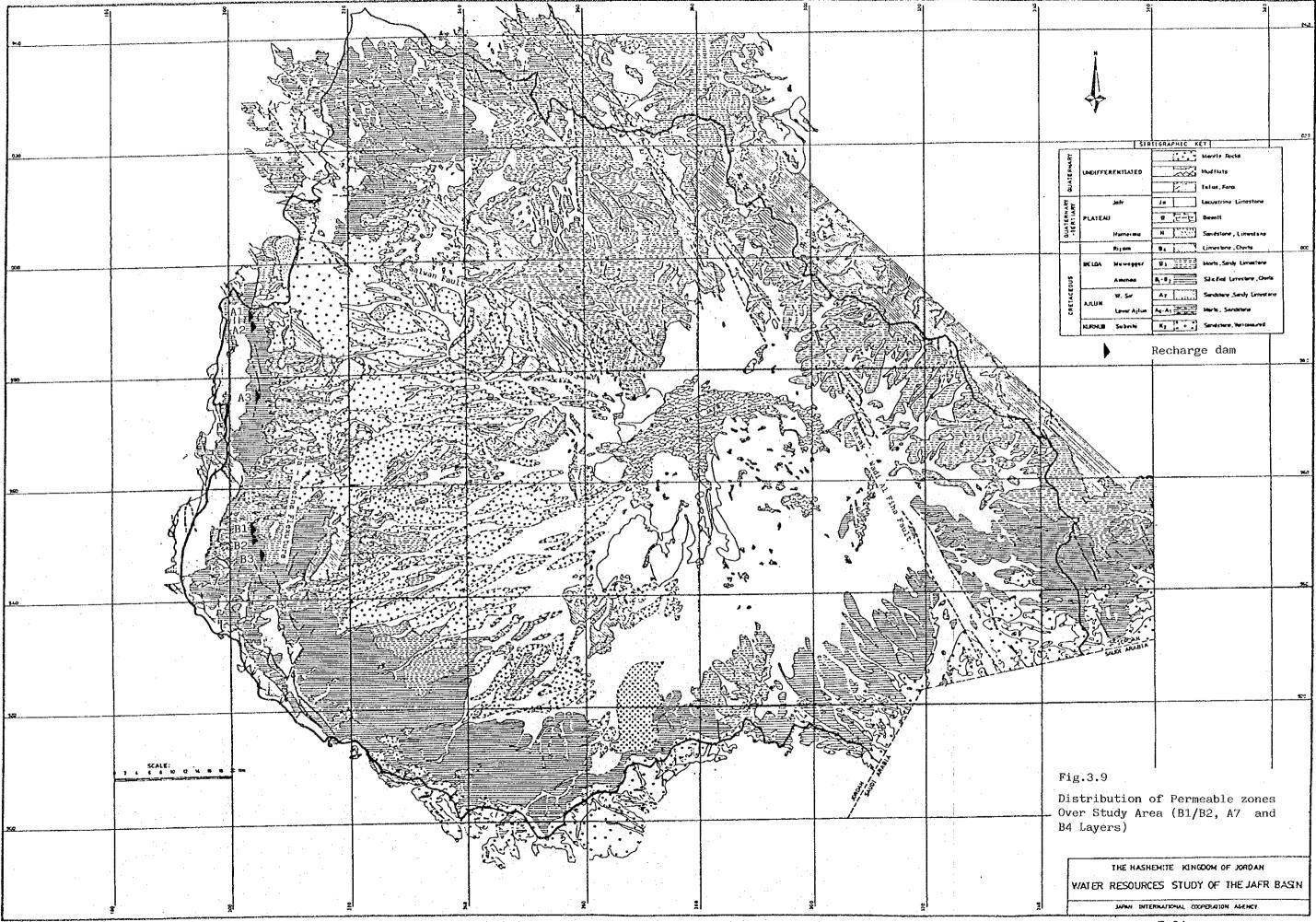
## 2. Parameter of Soil Moisture

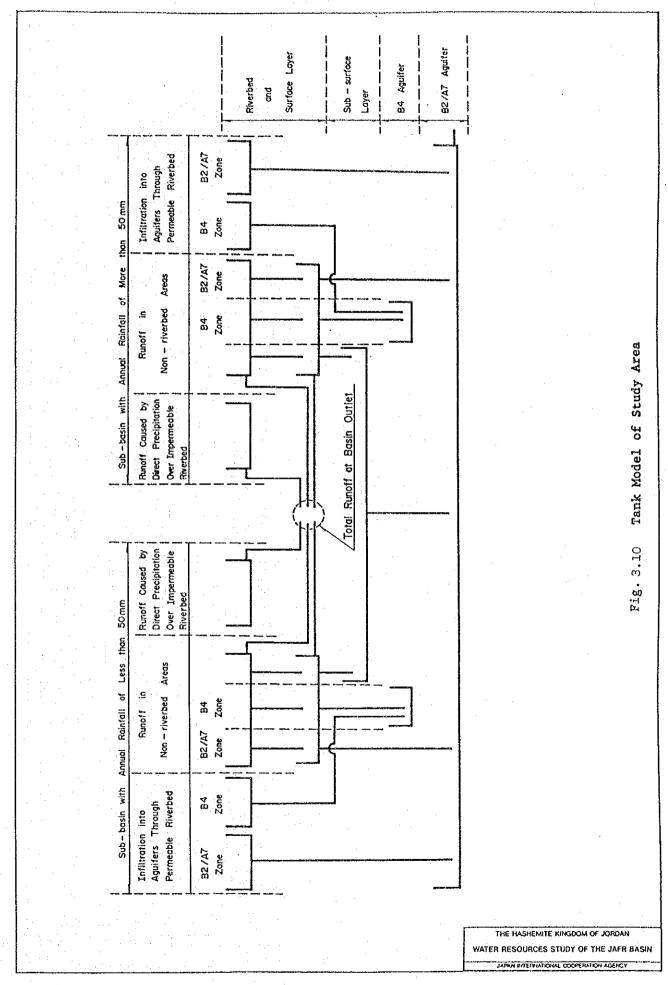
- (1) T1:
  Transfer of soil moisture to primary soil moisture from second tank given by
  T1=TB (1-XP/PS)
  where TB: Transfer coefficient
  XP: Primary soil moisture

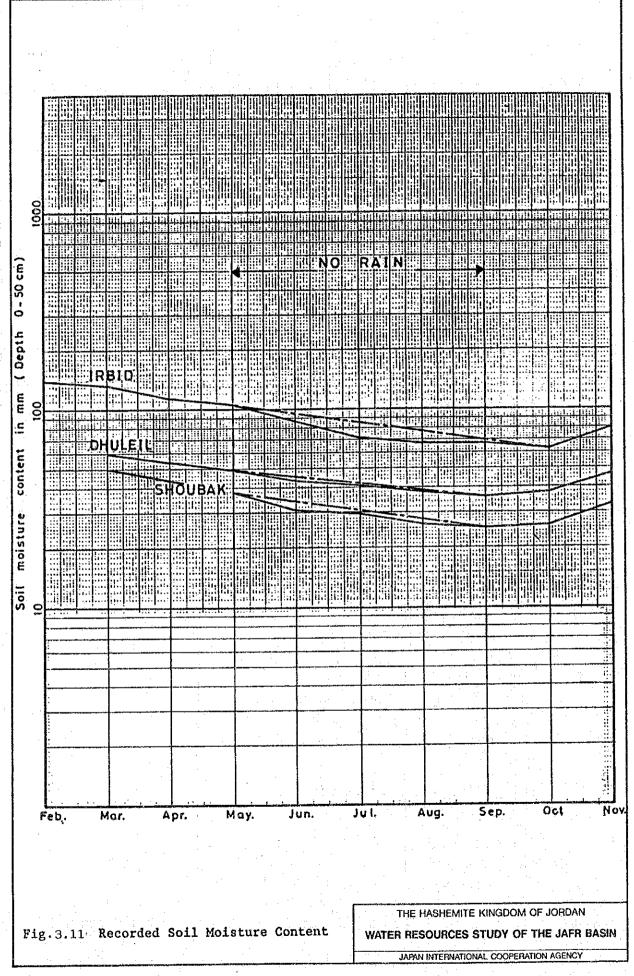
If T2 > 0 ,water moves from XP to XS. If T2<0, water moves from XS to XP.

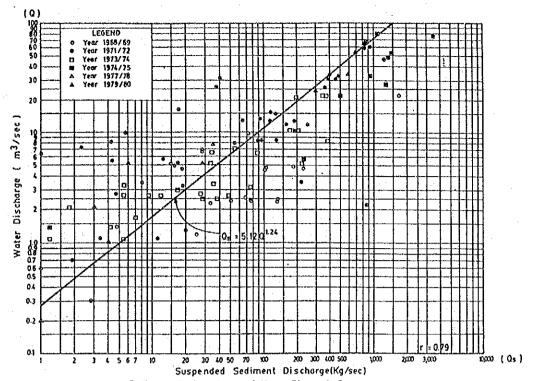
Fig. 3.8

Basic Component of Tank Model









Suspended Sediment Rating Curve of Hasa River at Tannour Fig. 3.12

Suspended Sediment Rating Curve of Hasa River

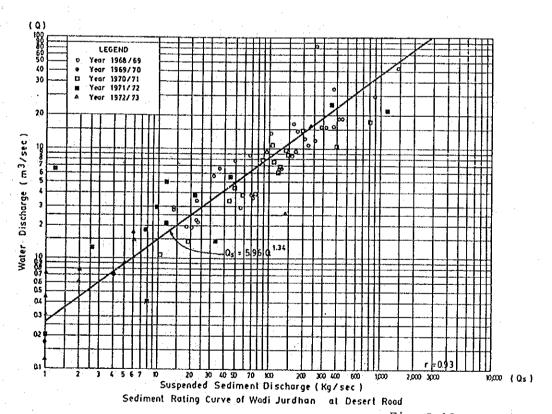
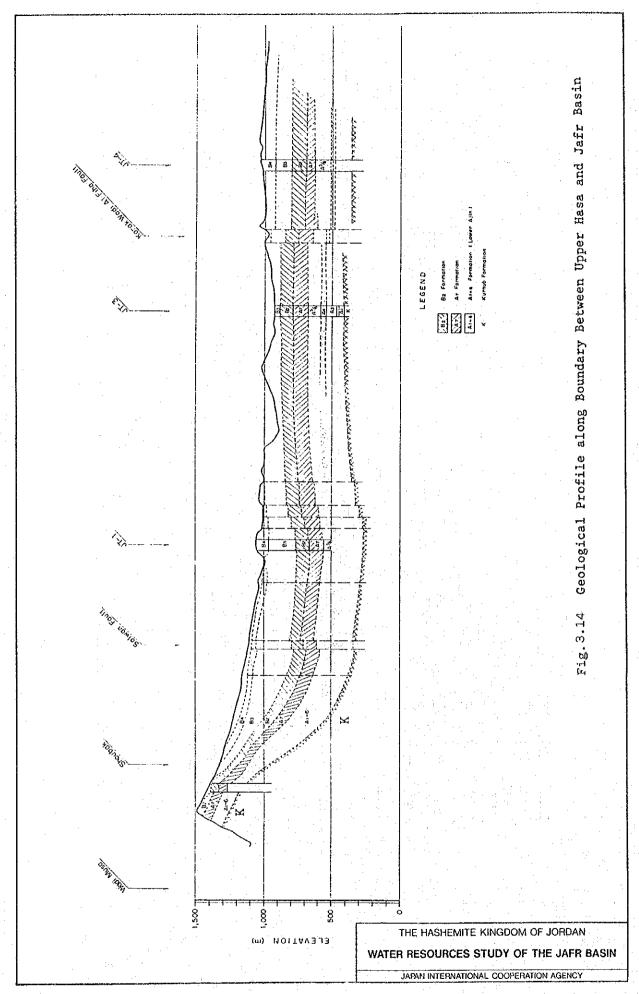
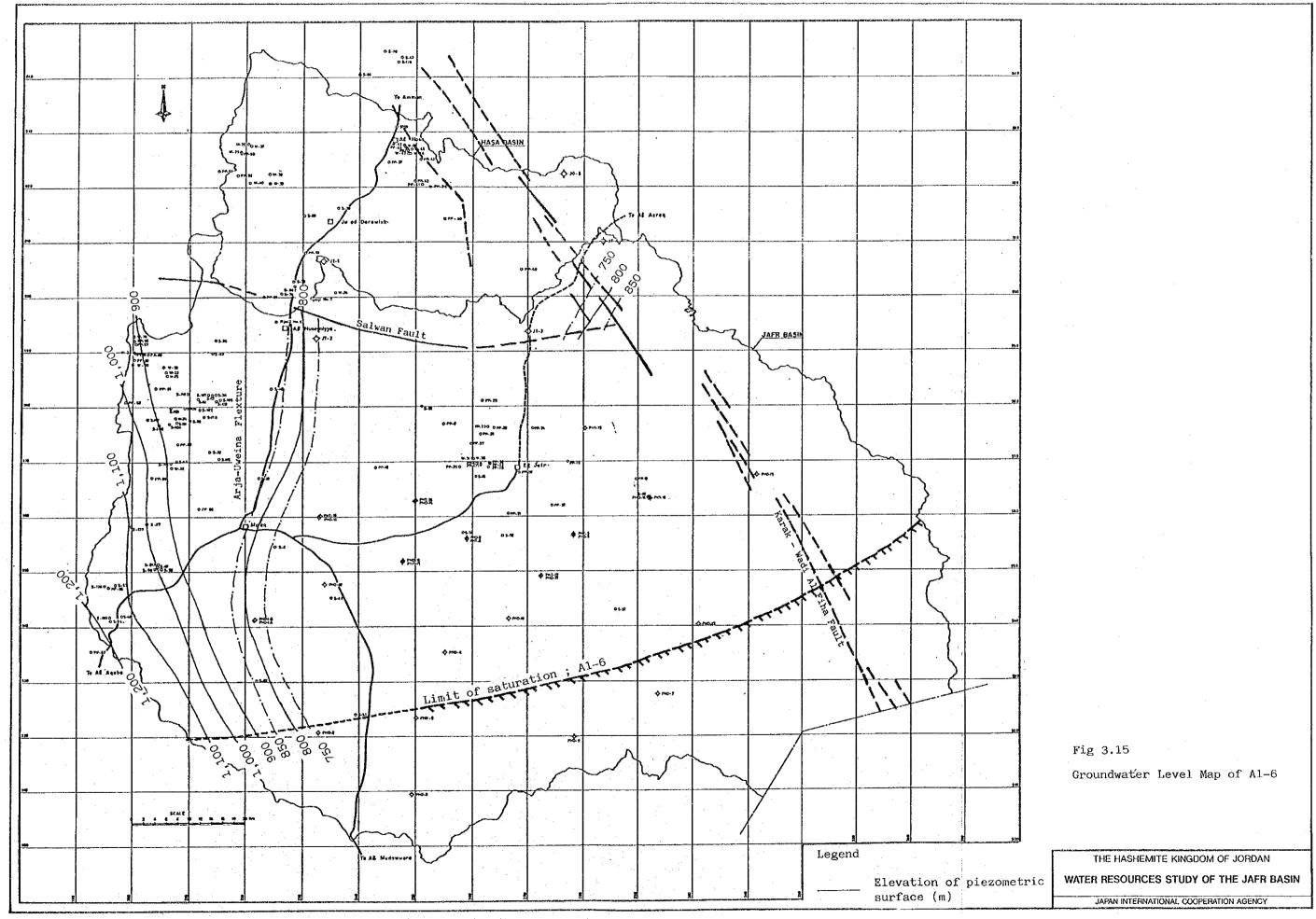
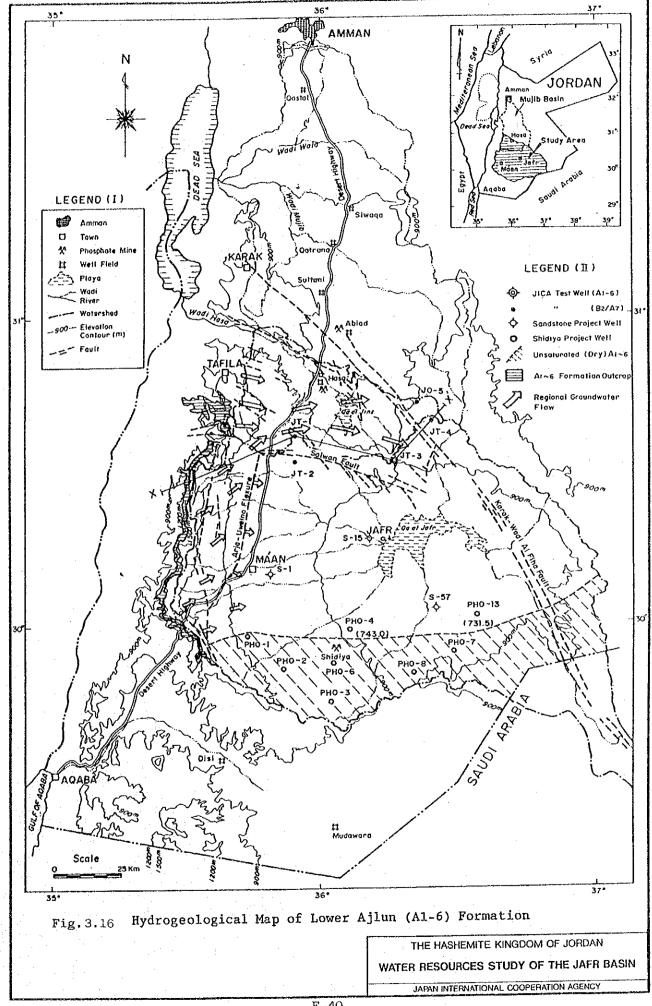


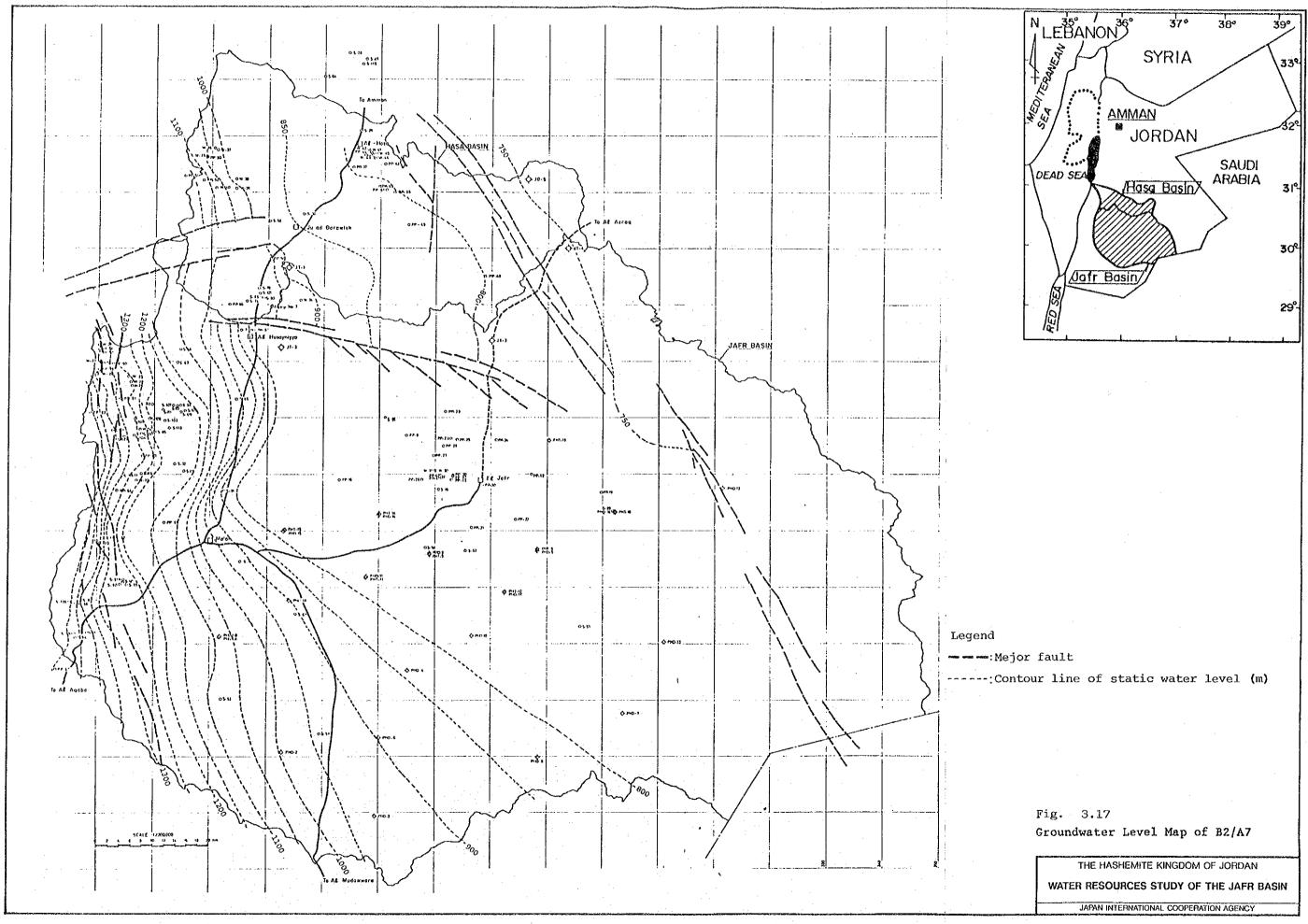
Fig. 3.13
Suspended Sediment Rating

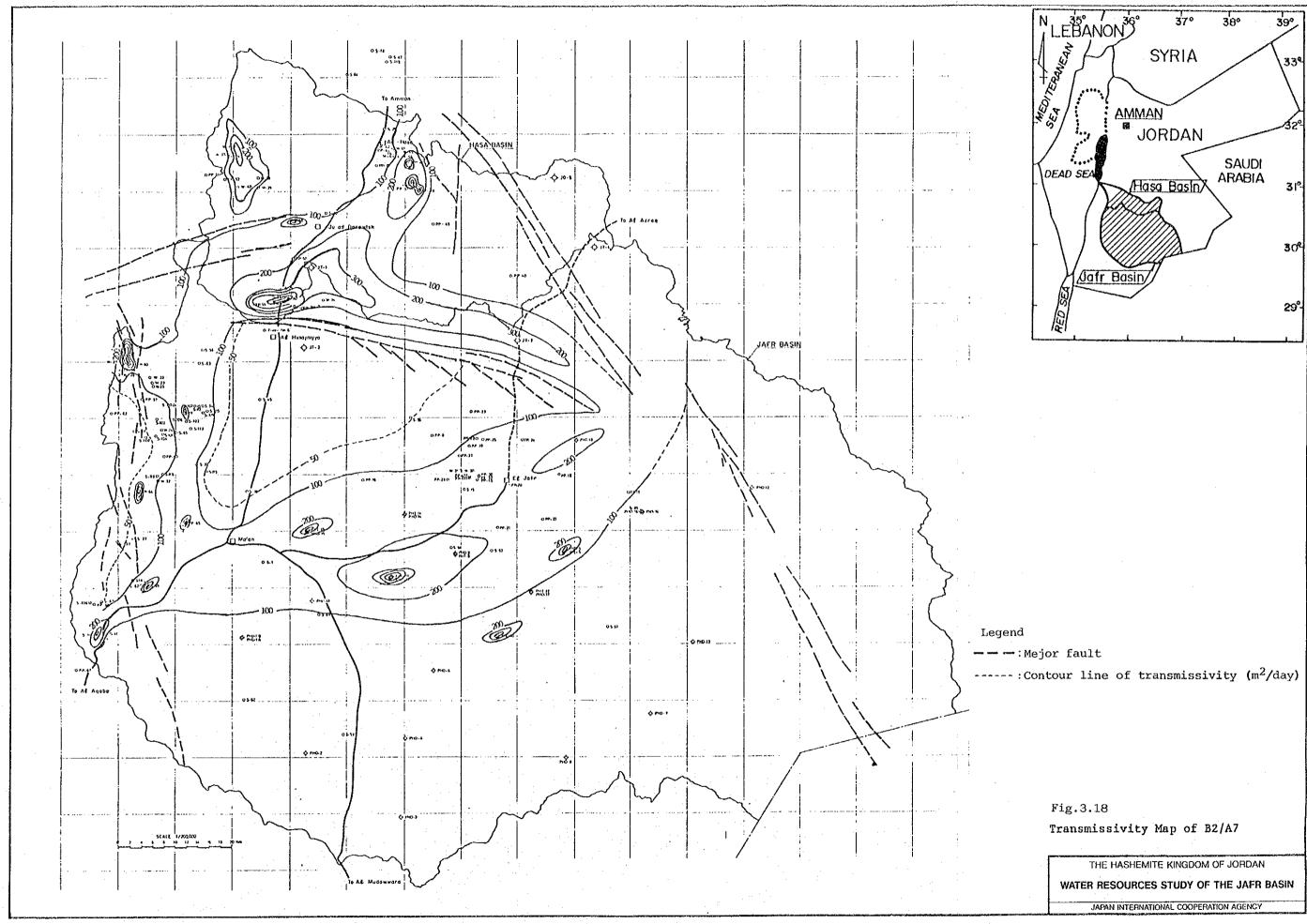
Suspended Sediment Rating Curve of Wadi Jurdhan

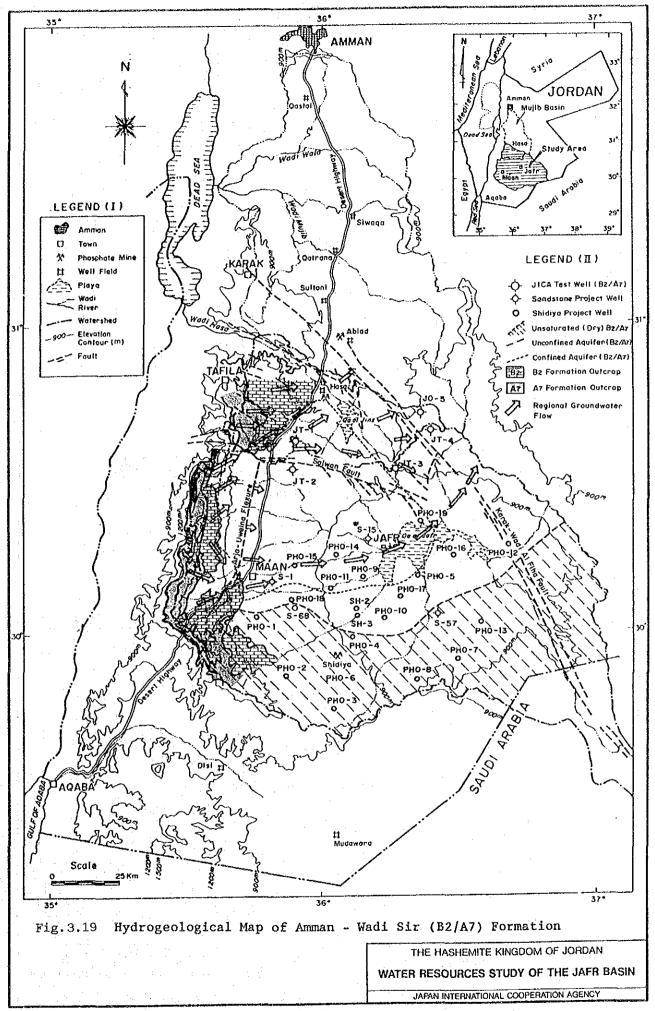


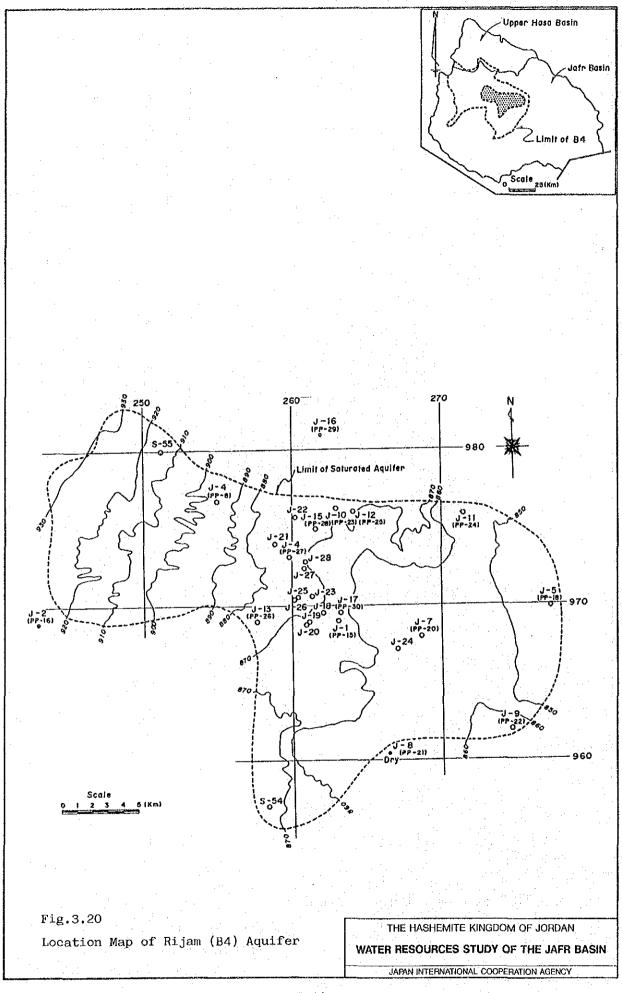


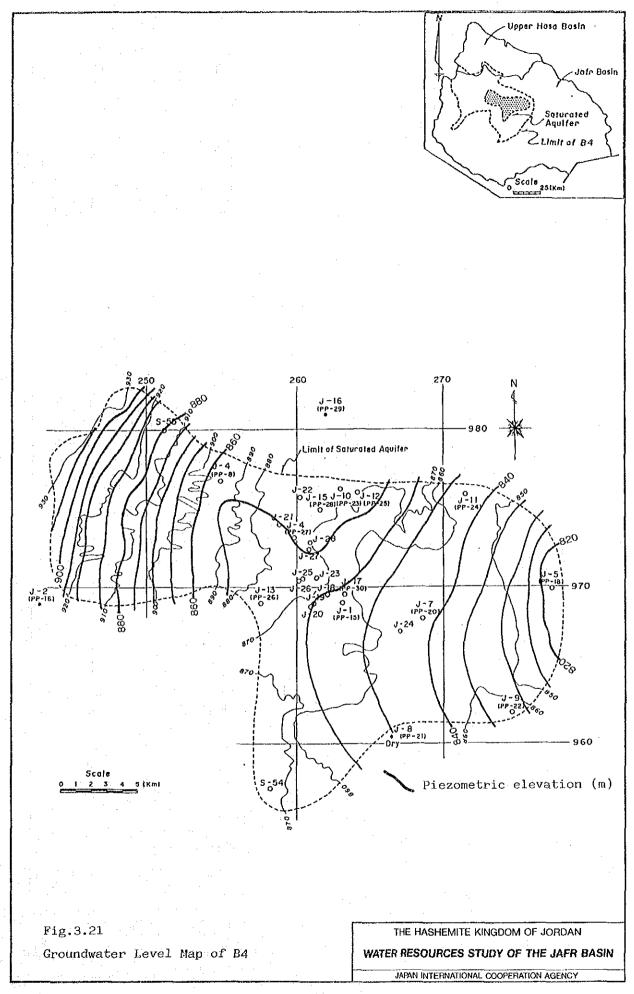


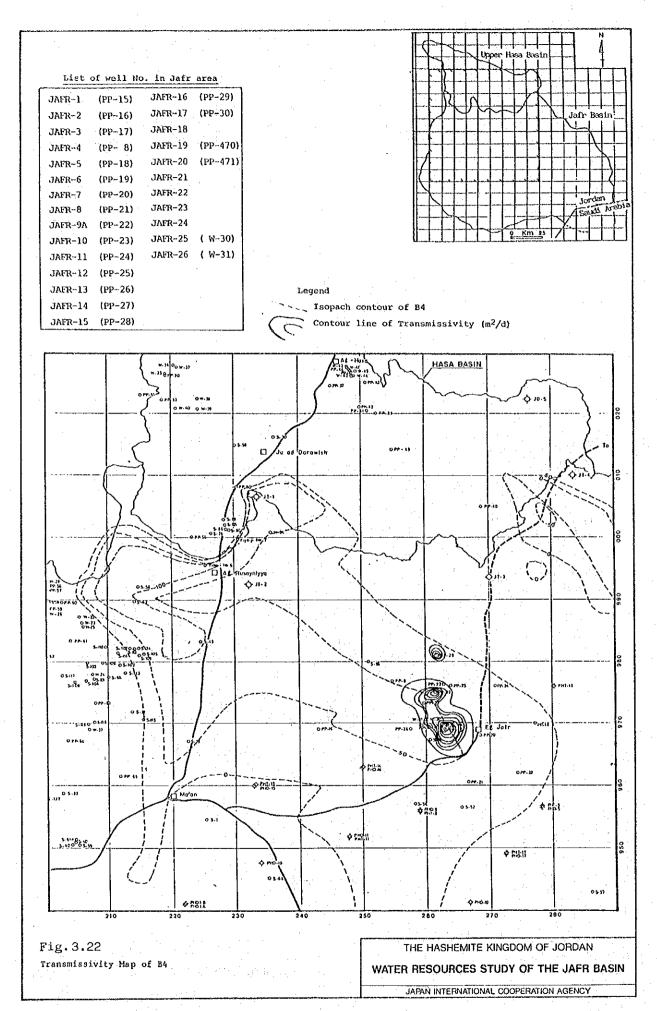


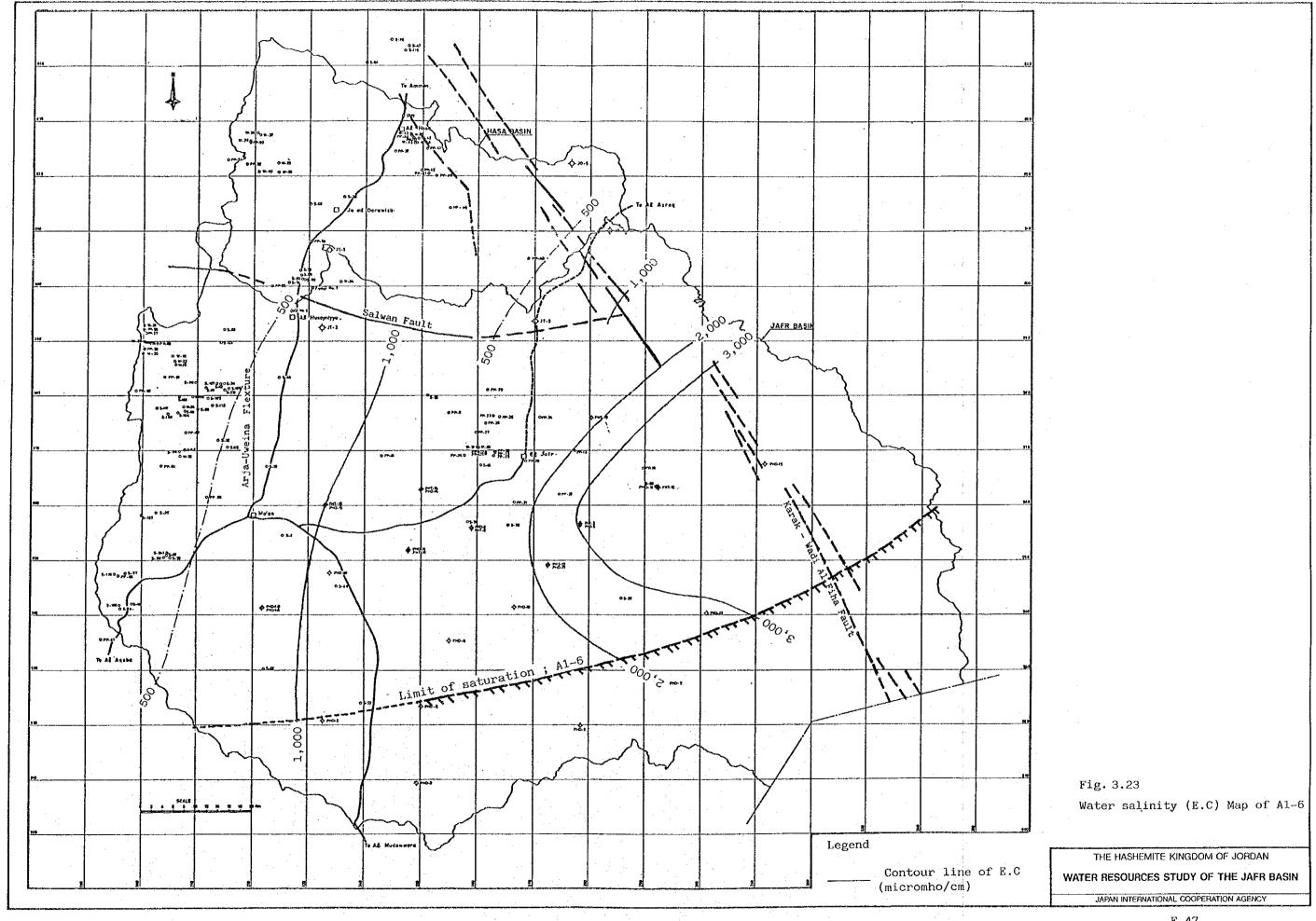


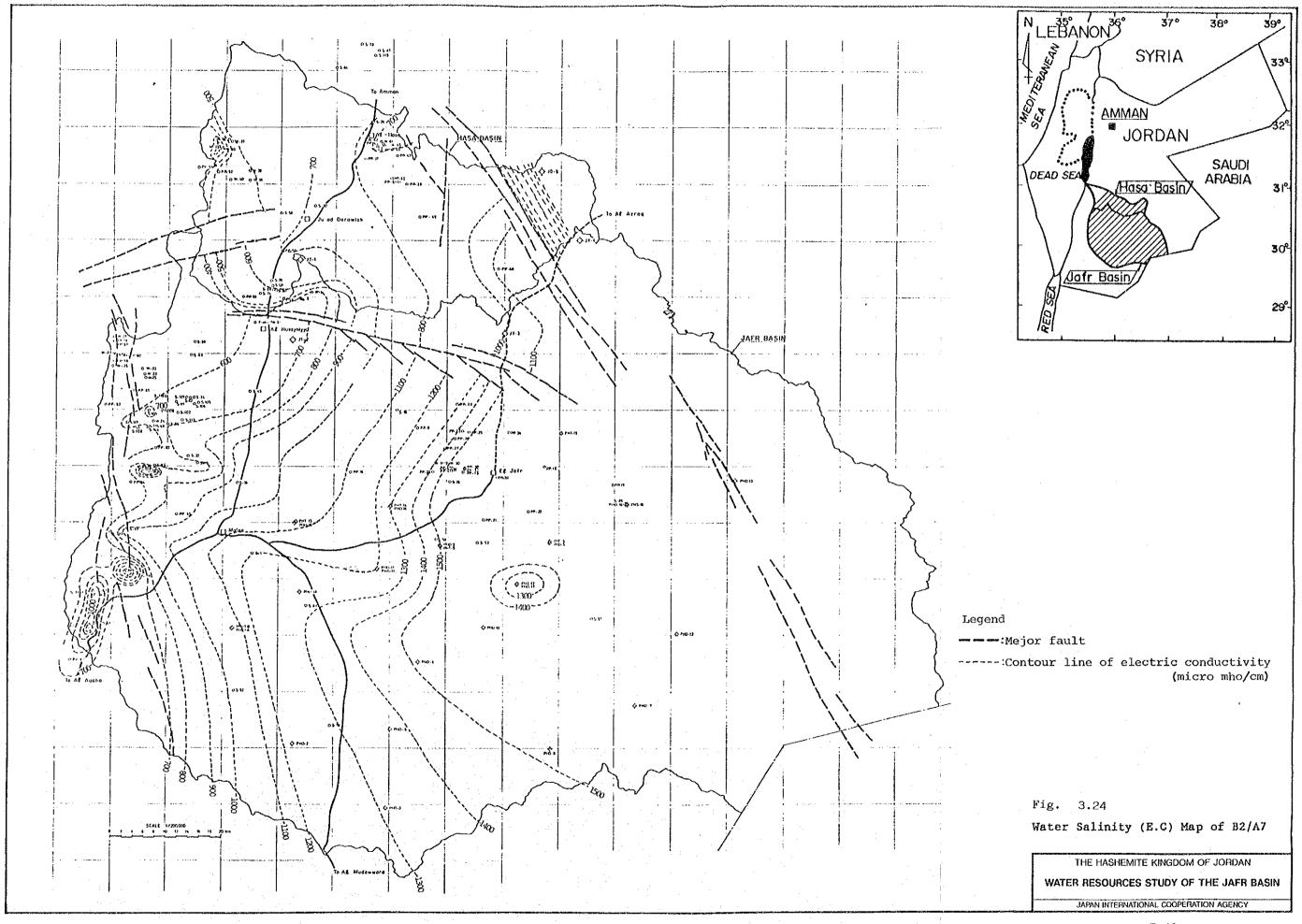


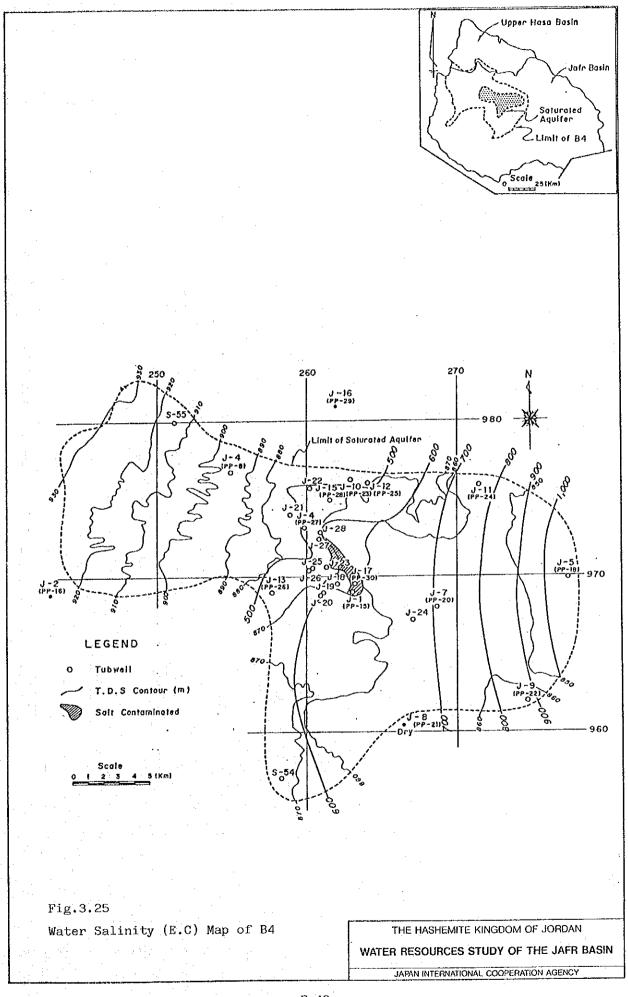


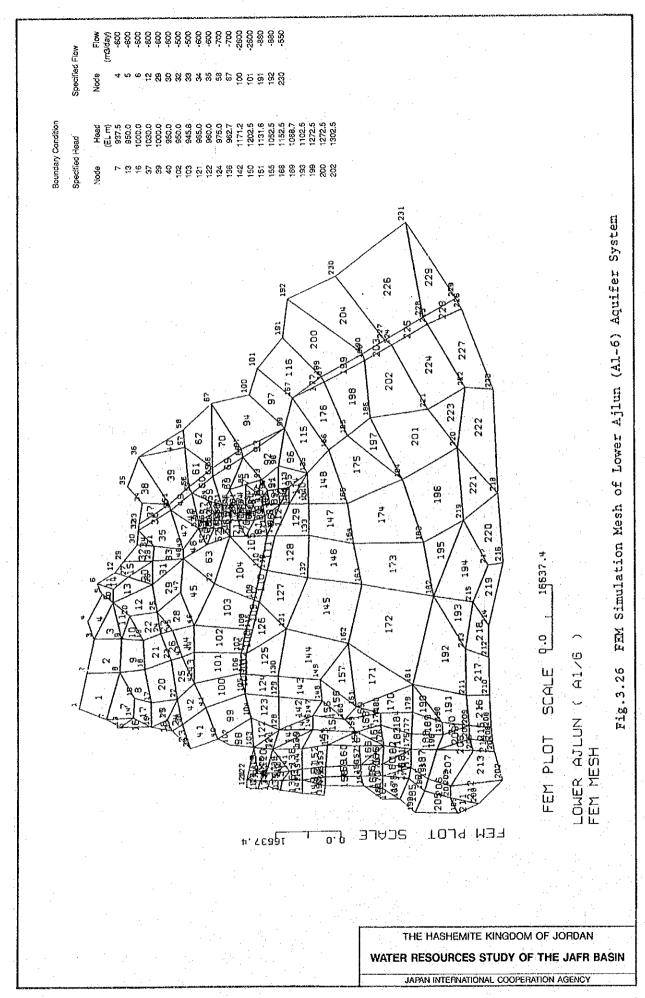


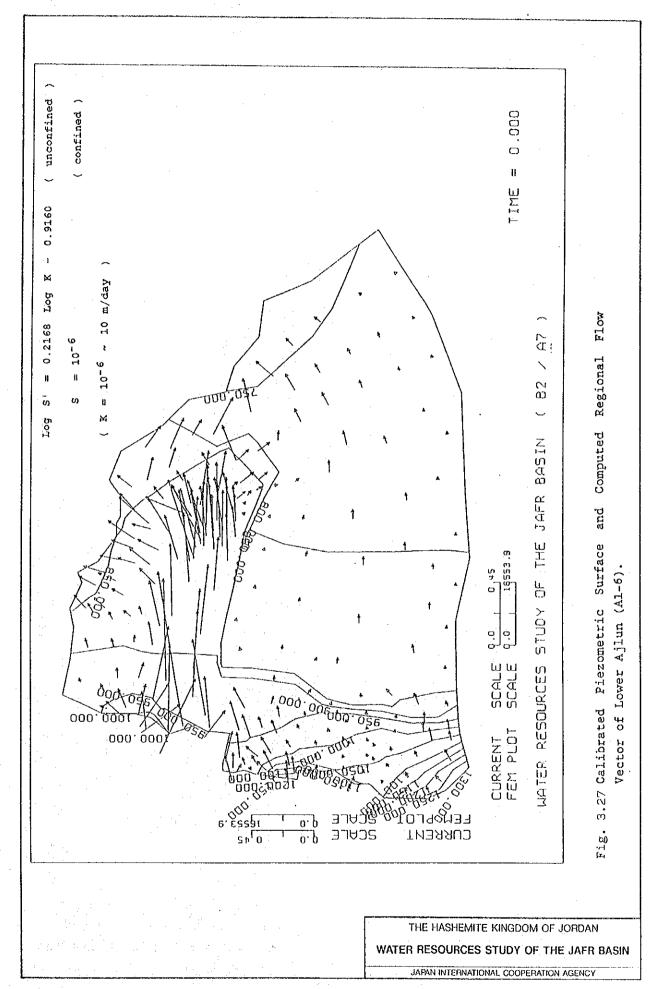


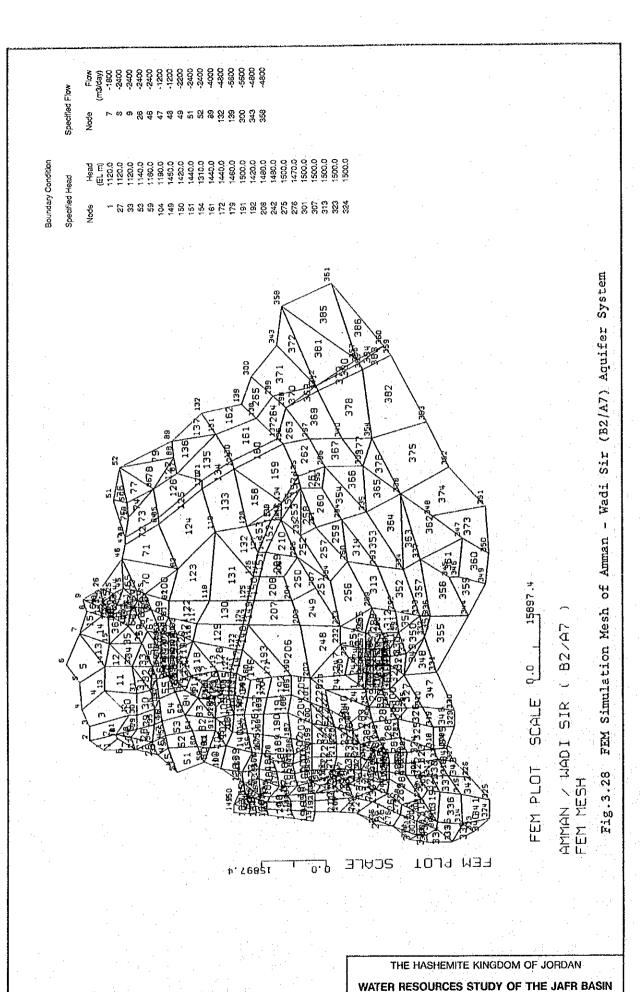


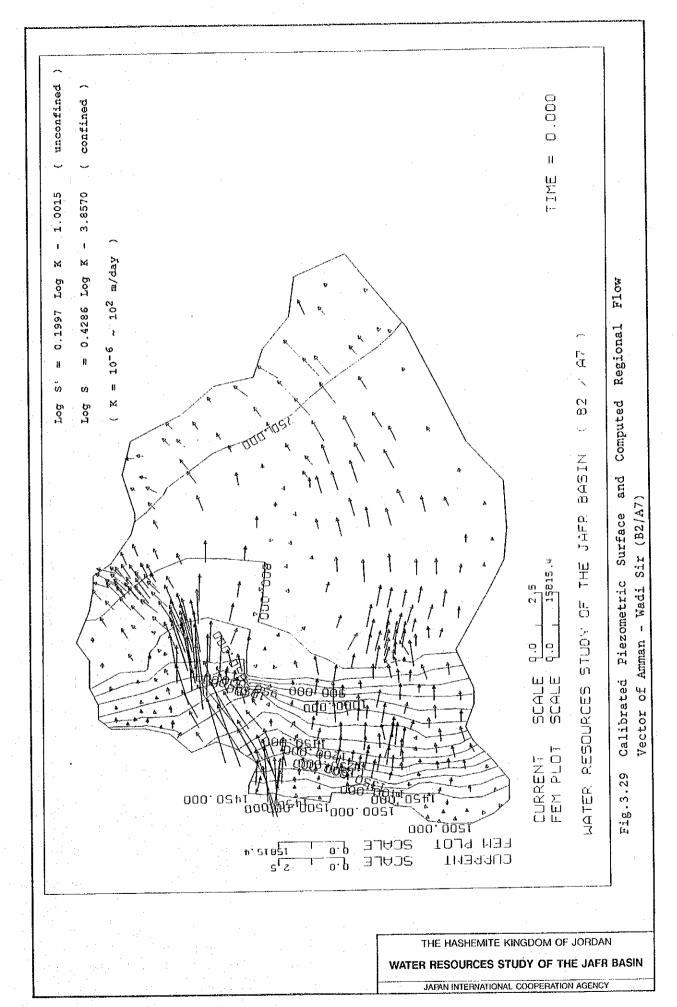


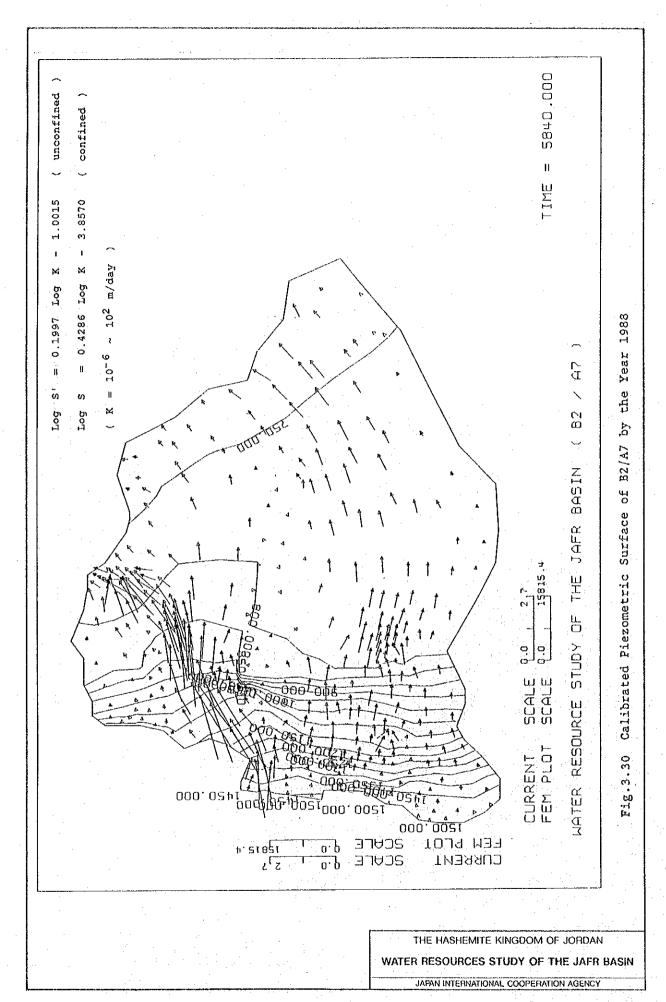


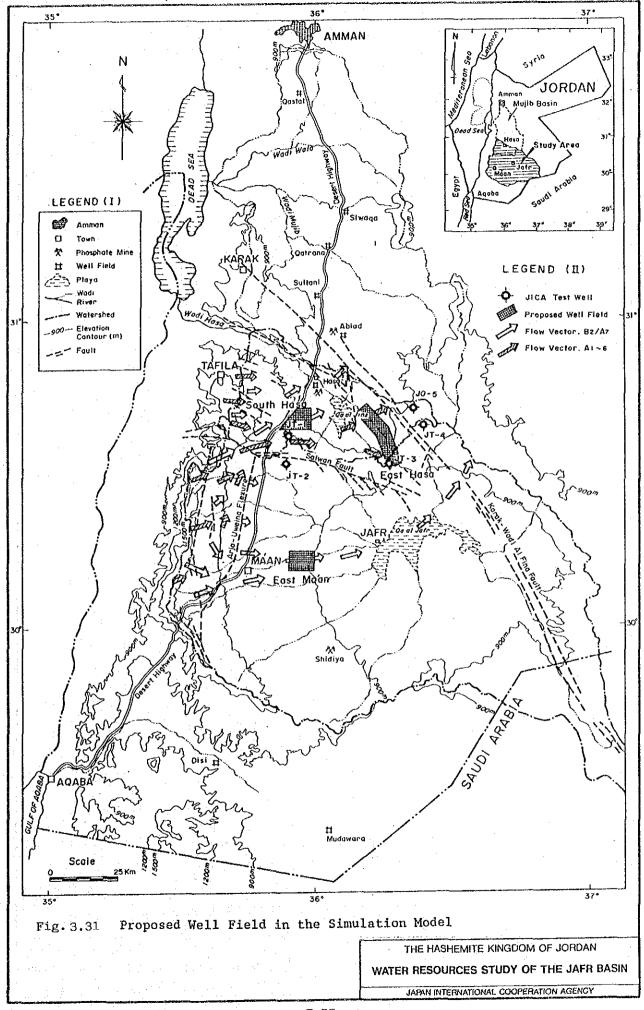


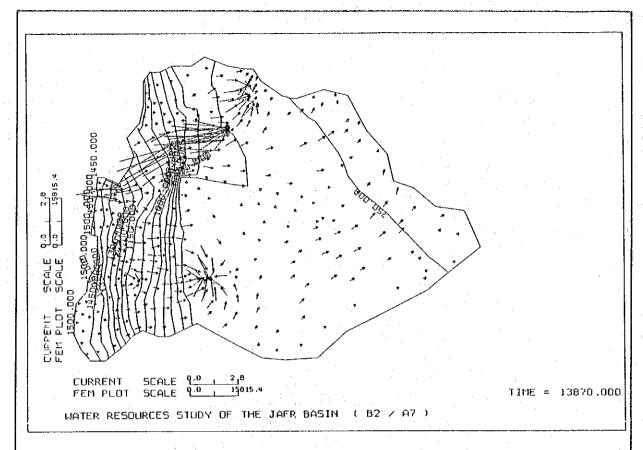












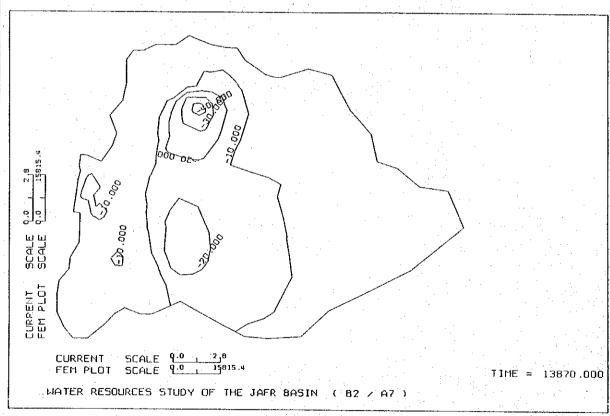
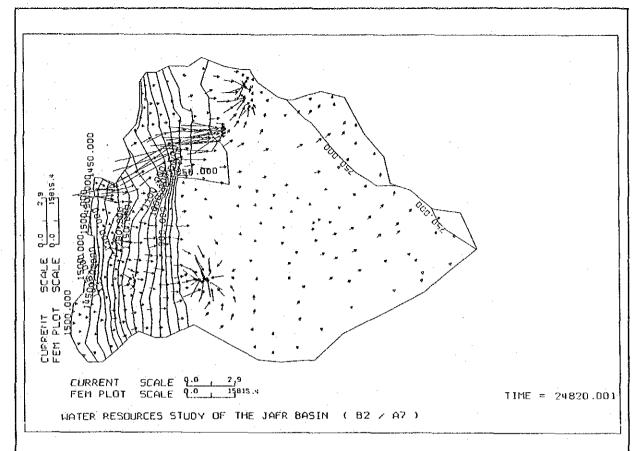


Fig.3.32 Predicted Piezometric Surface of B2/A7 Aquifer; After 20 Years Pumping



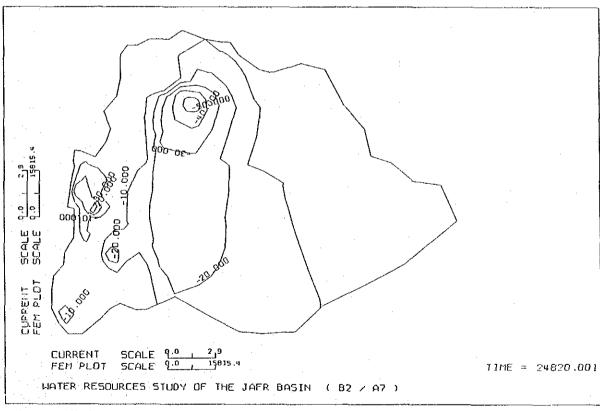
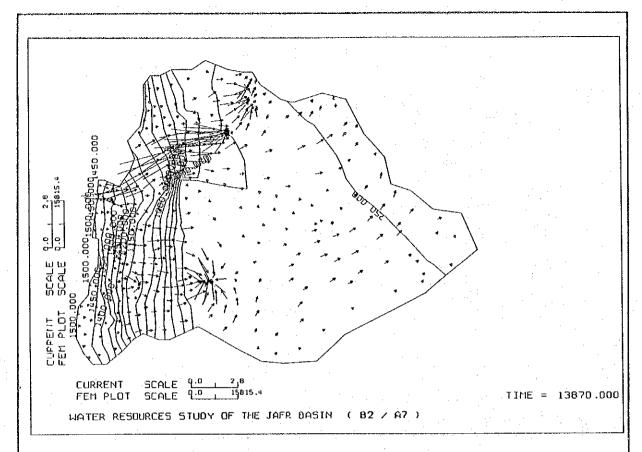


Fig.3.33 Predicted Piezometric Surface of B2/A7 Aquifer; After 50 Years
Pumping

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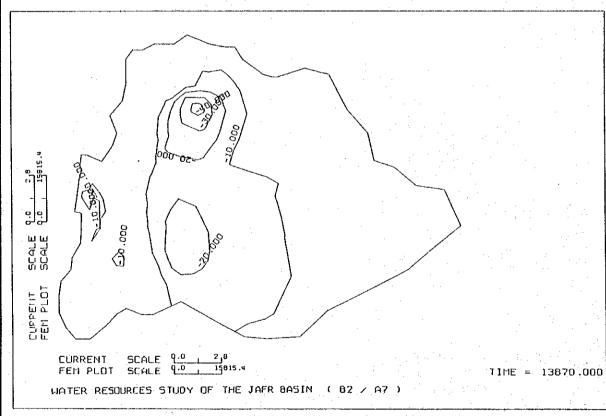
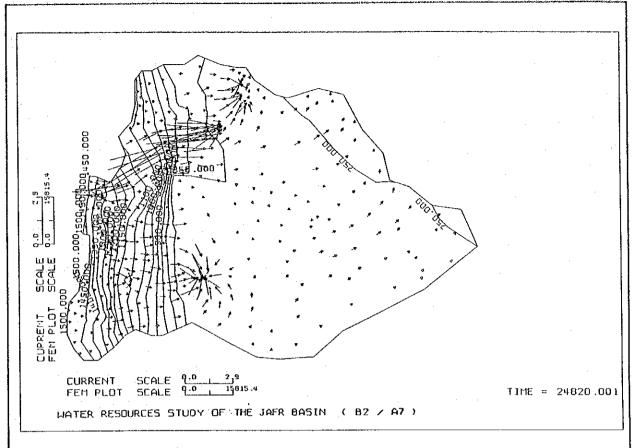


Fig. 3.34 Predicted Piezometric Surface of B2/A7 with Groundwater Recharge Dam; After 20 Years Pumping and Recharging



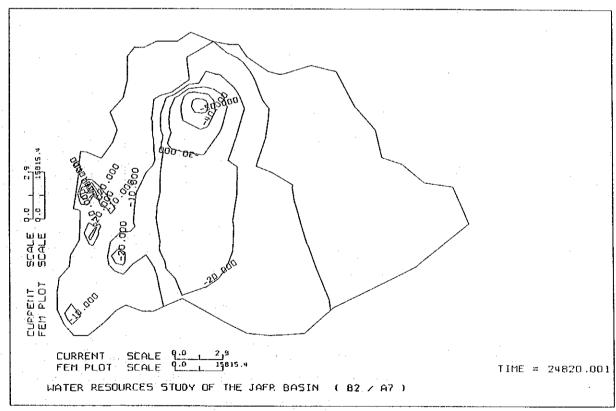
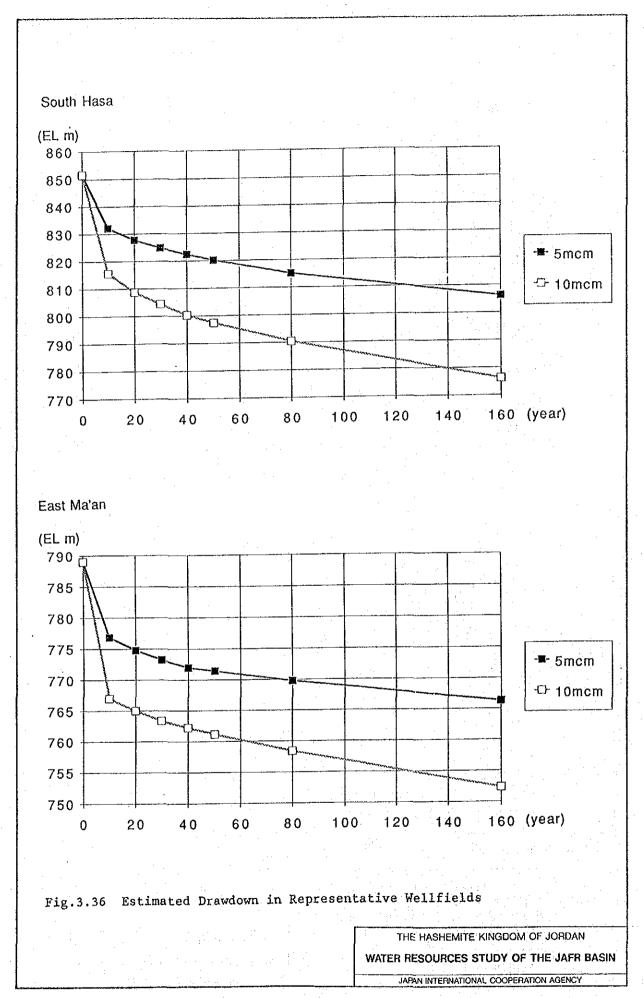
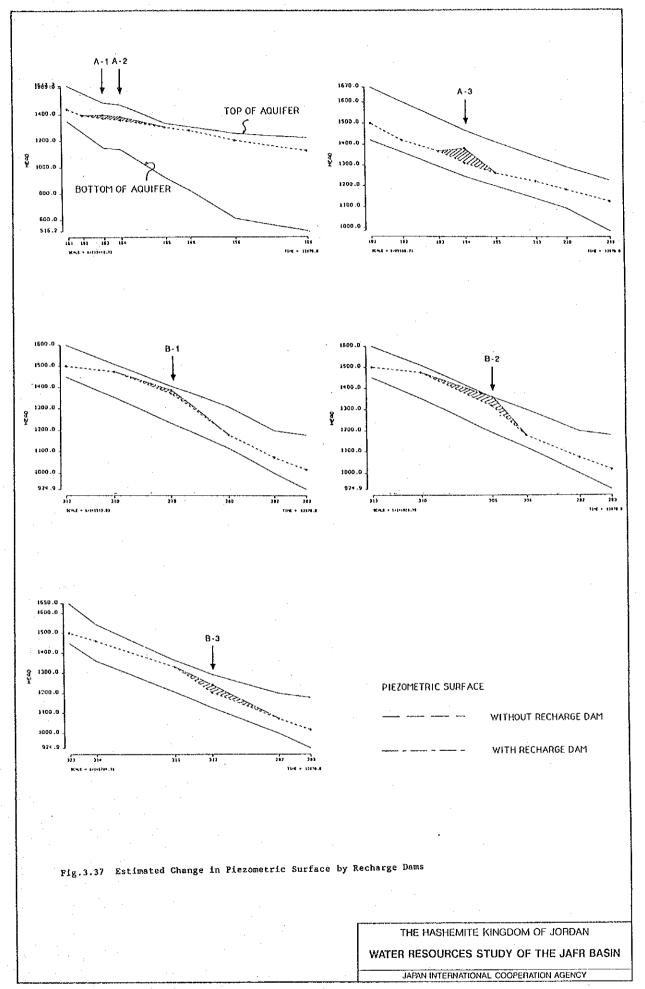
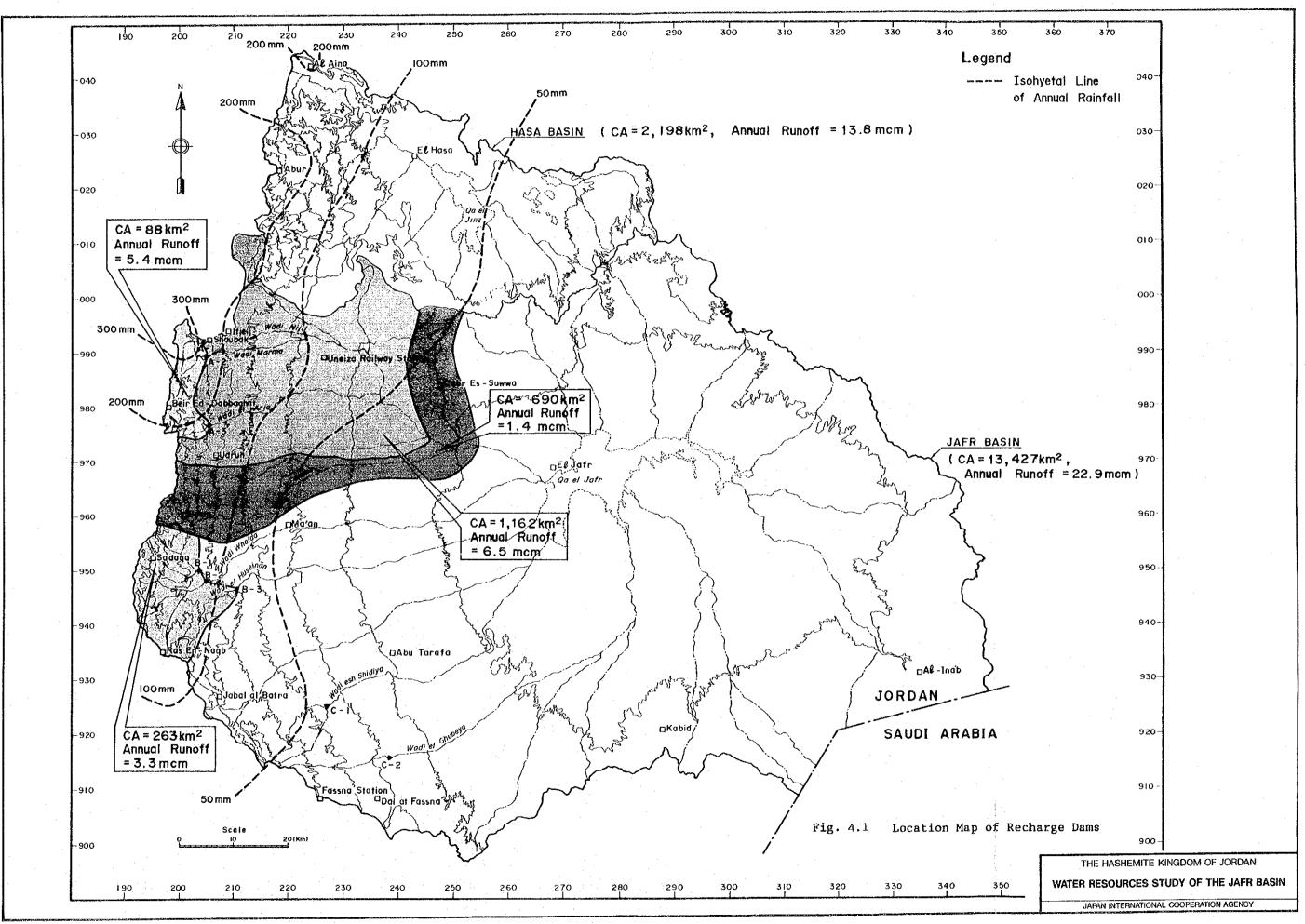
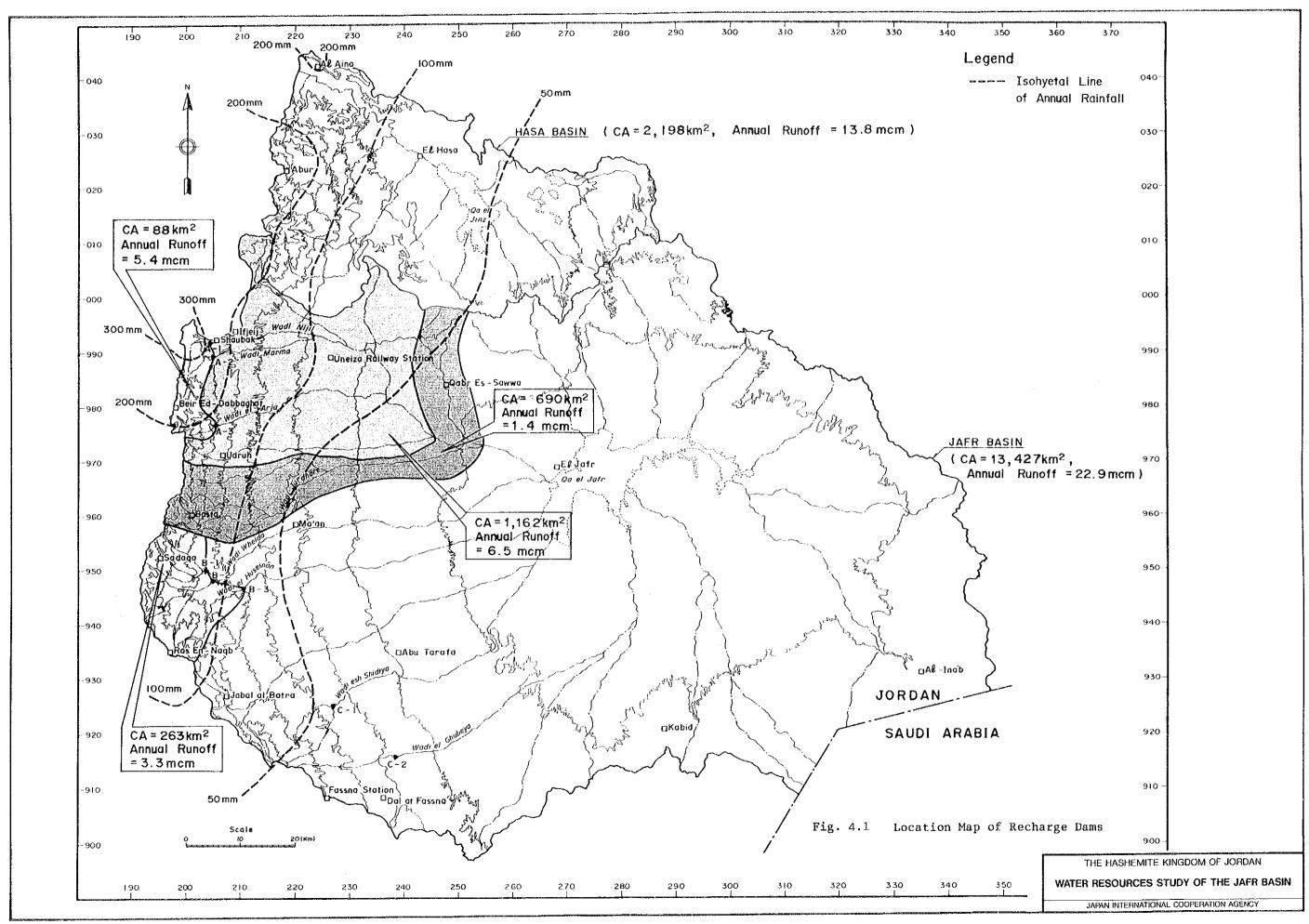


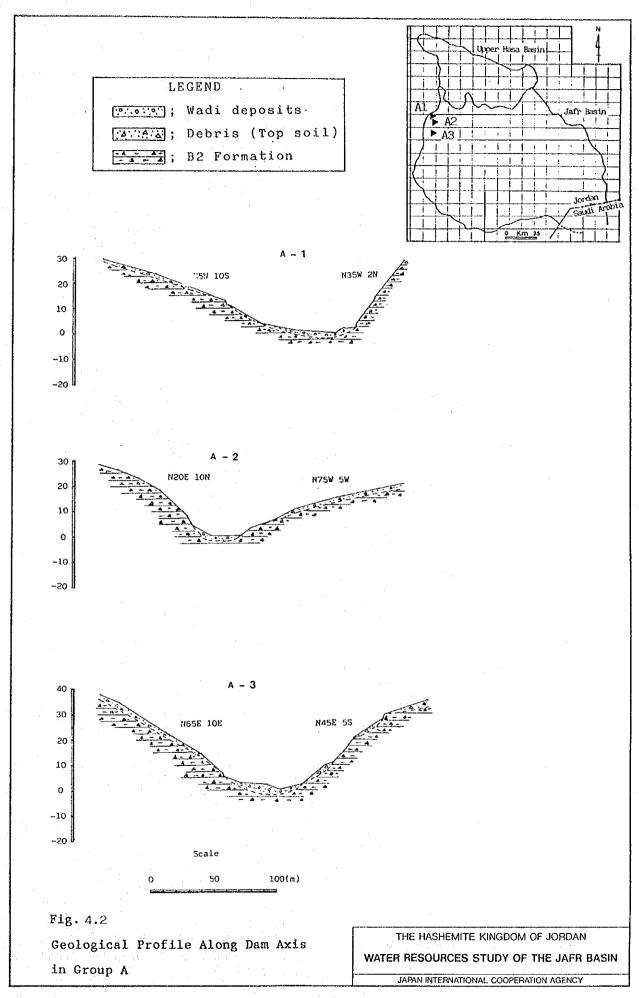
Fig. 3.35 Predicted Piezometric Surface of B2/A7 with Groundwater Recharge Dam; After 50 Years Pumping and Recharging

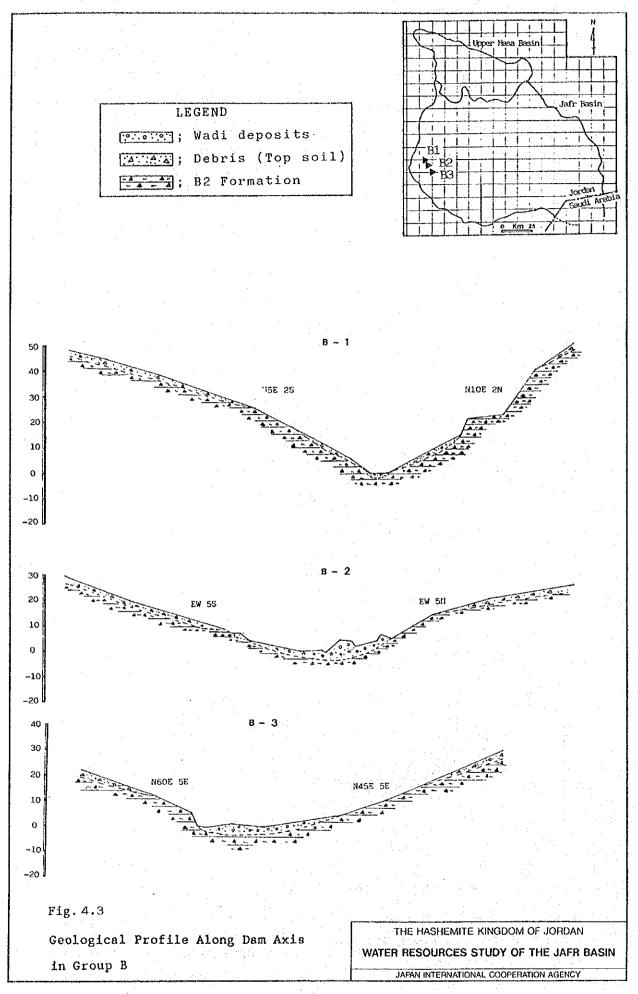


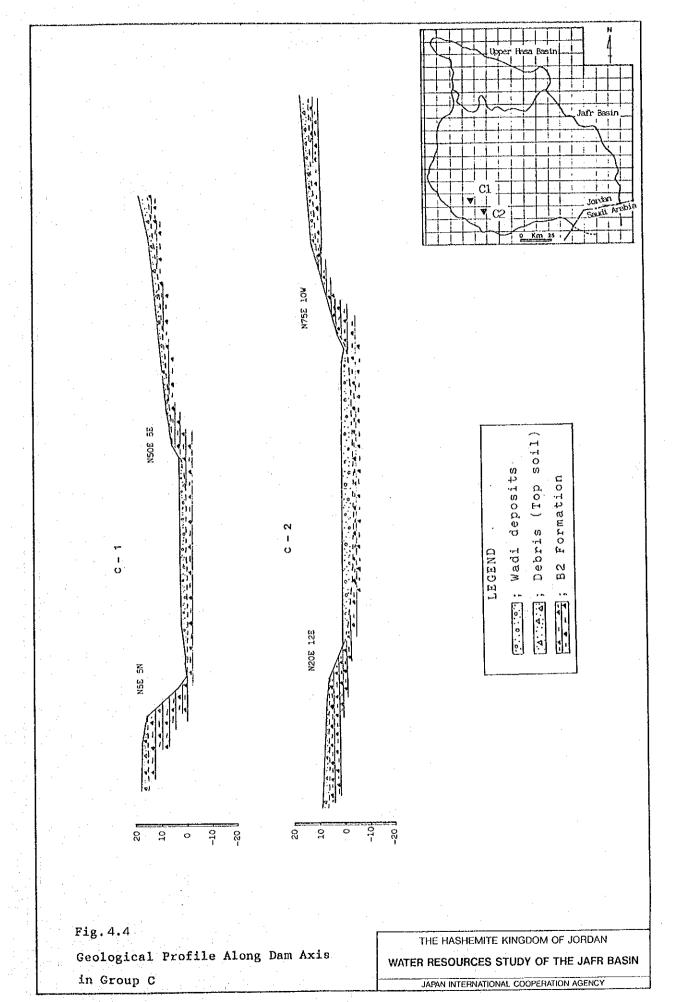


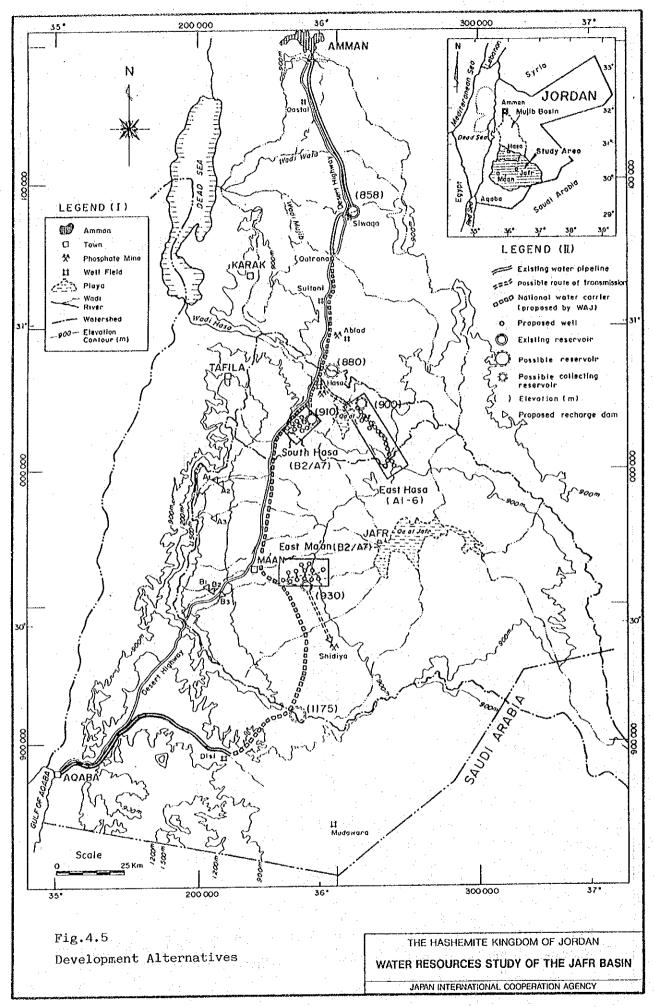


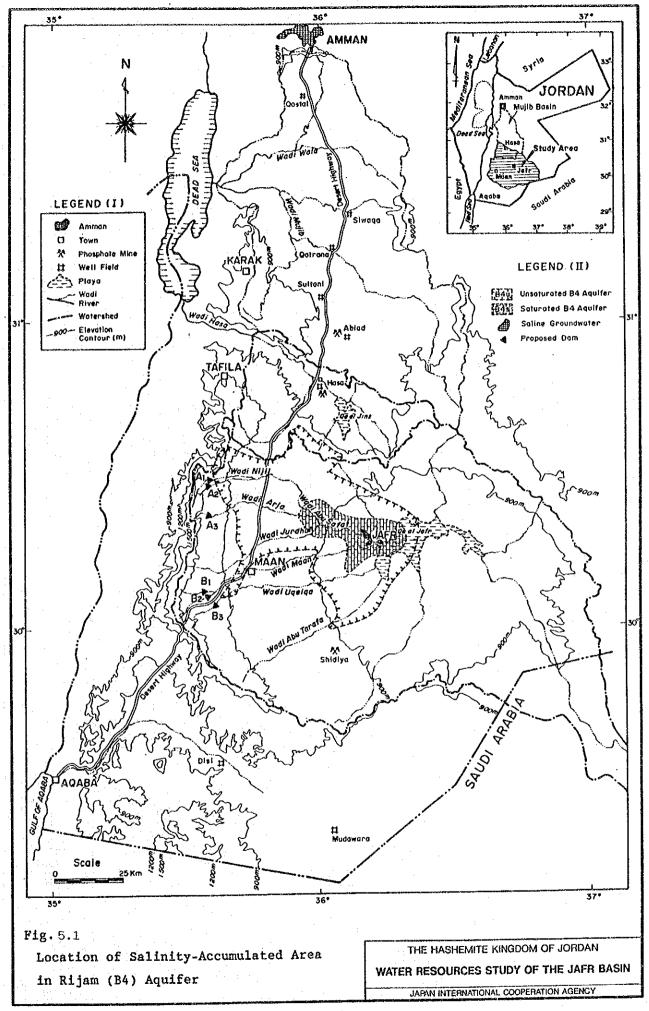


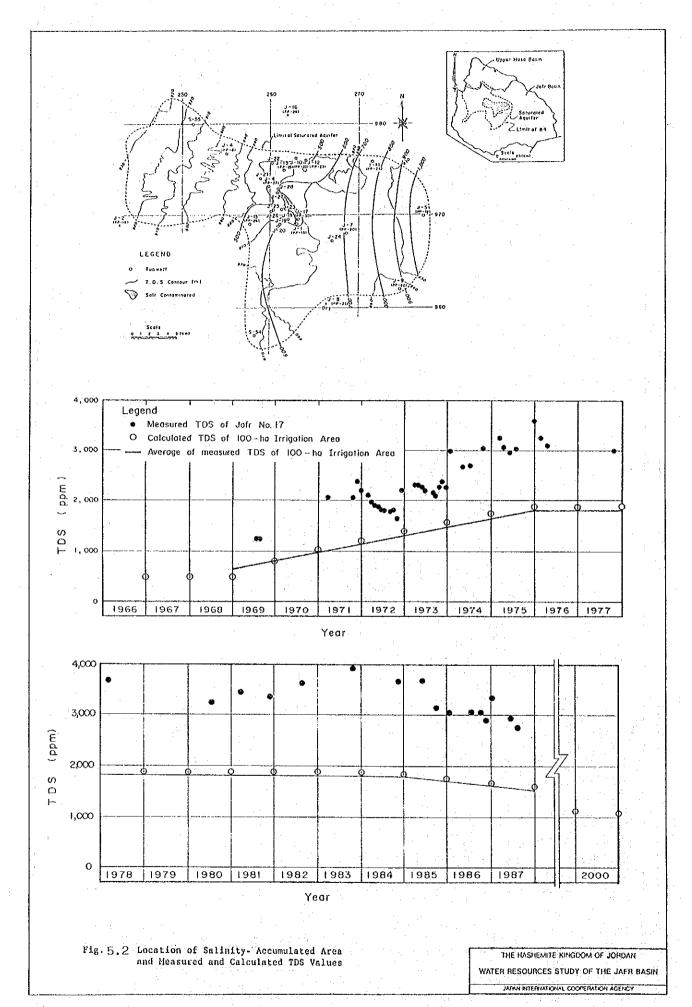


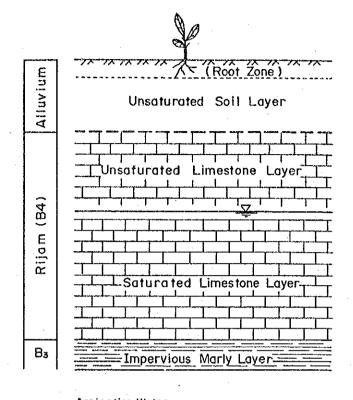












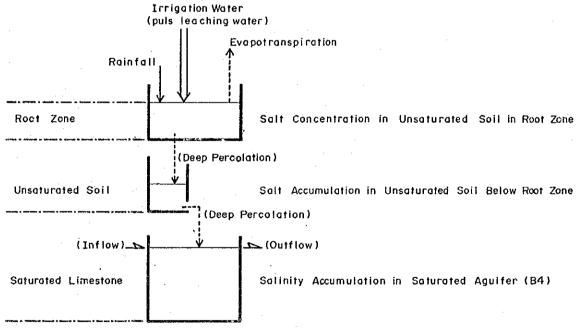


Fig. 5.3 Schematics of Salt Accumulation in Rijam (B4) Aquifer

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