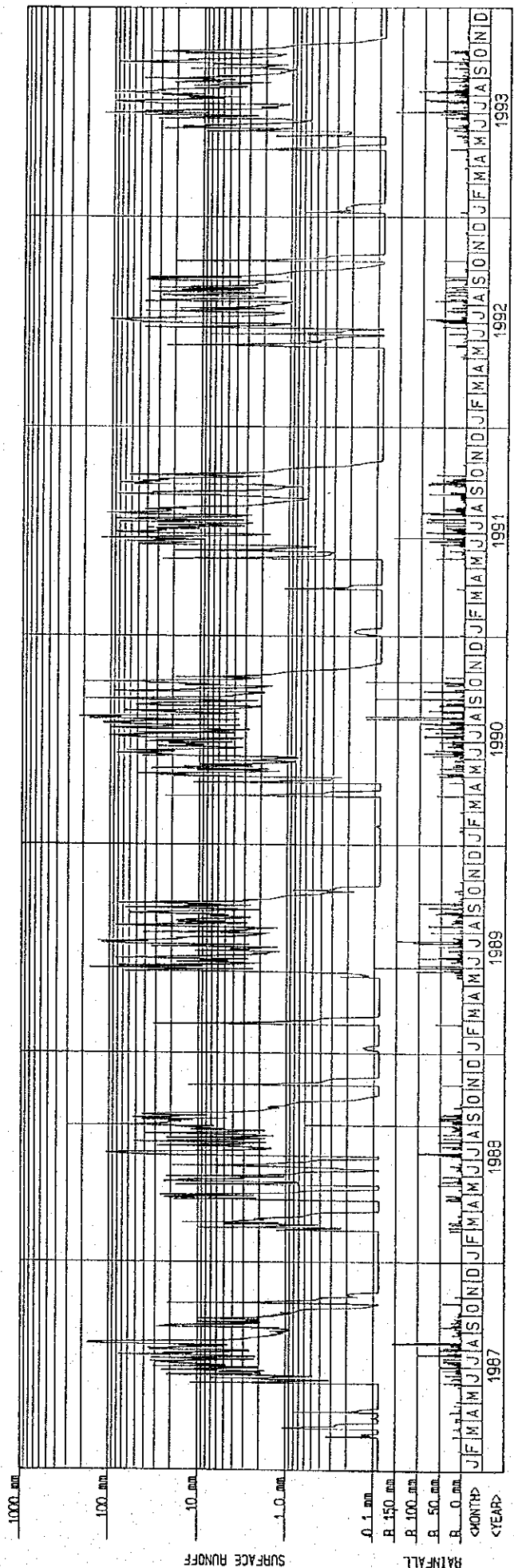
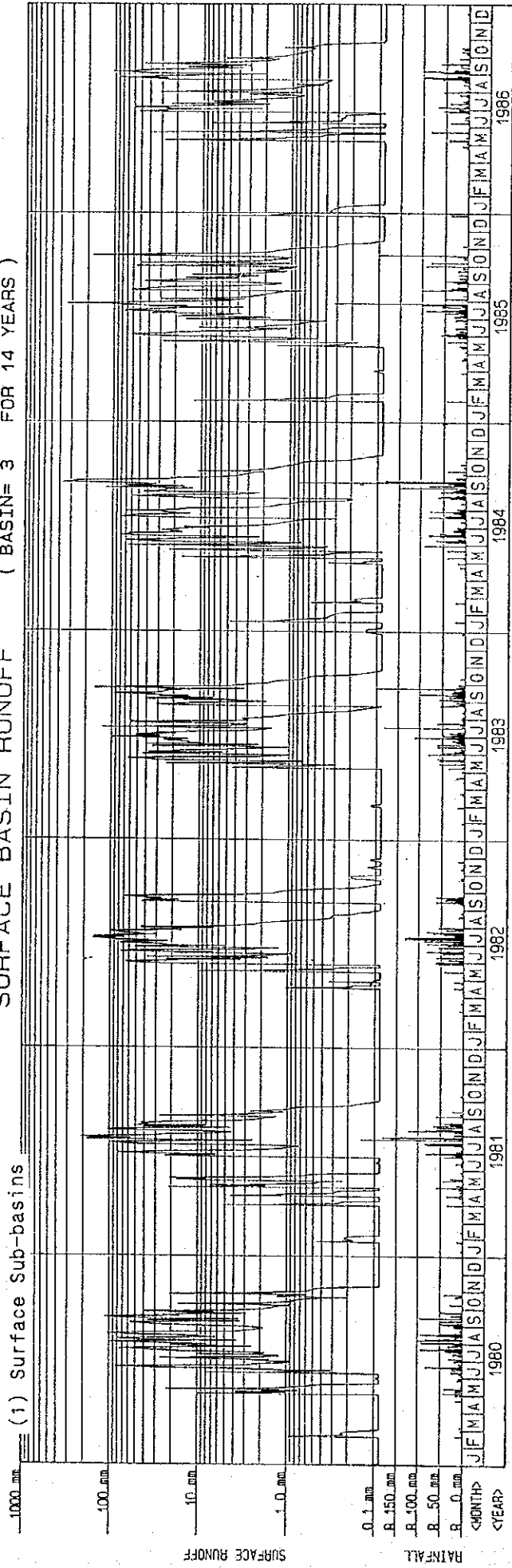
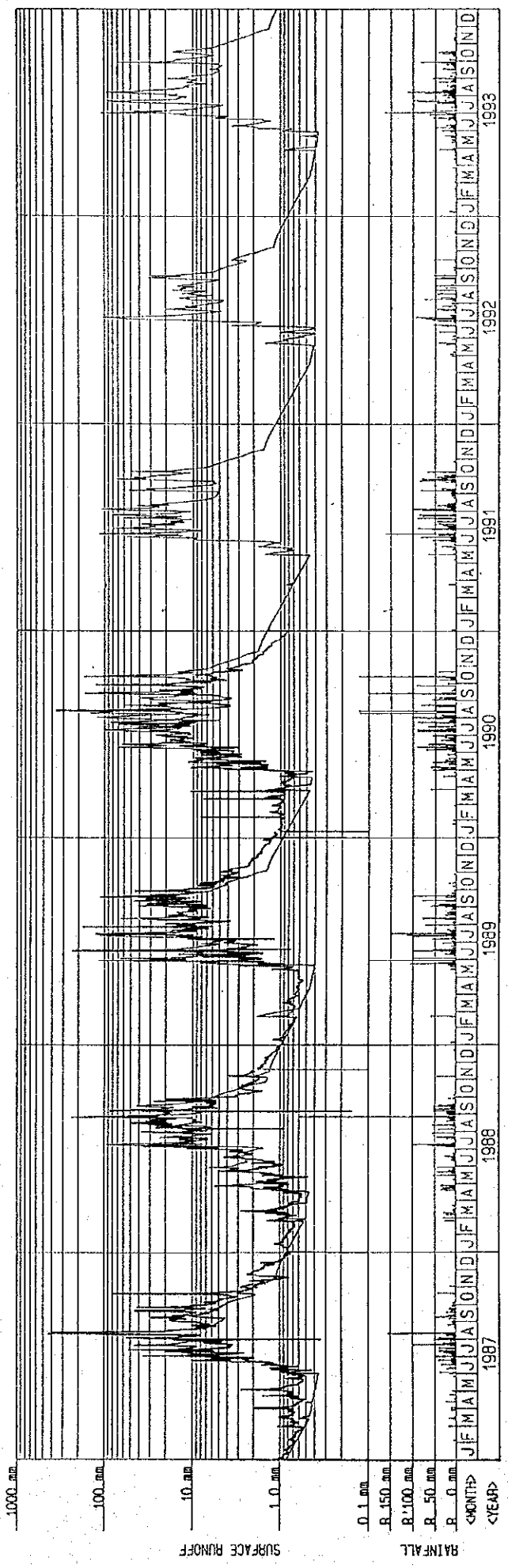
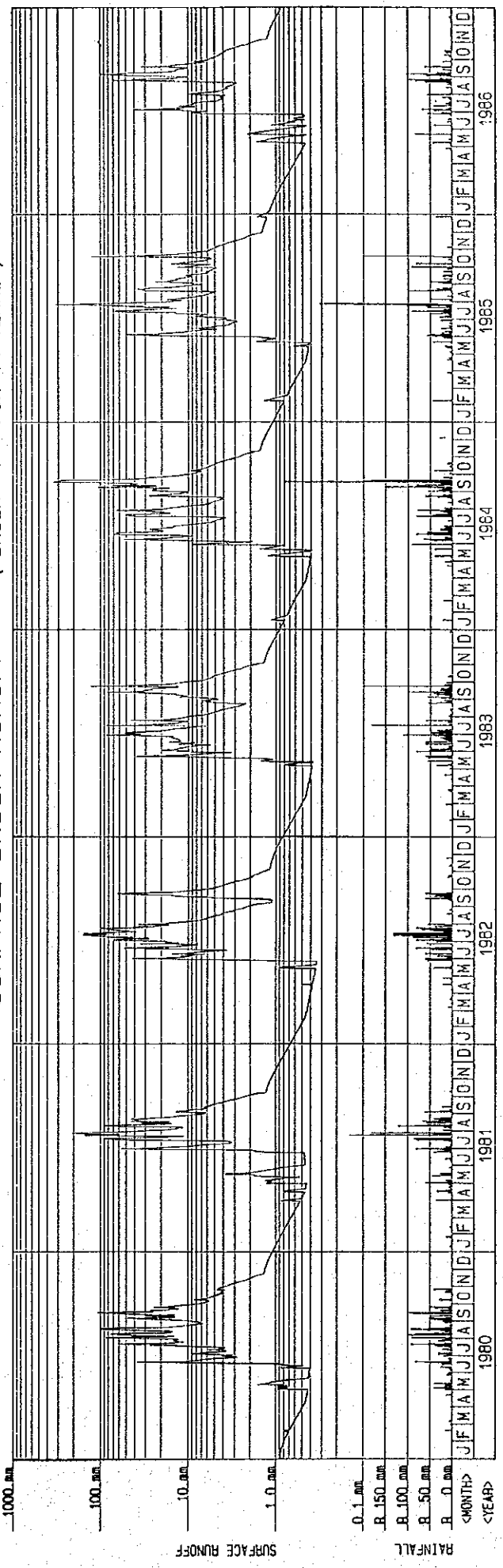


4.5.3. Simulated Hydrograph

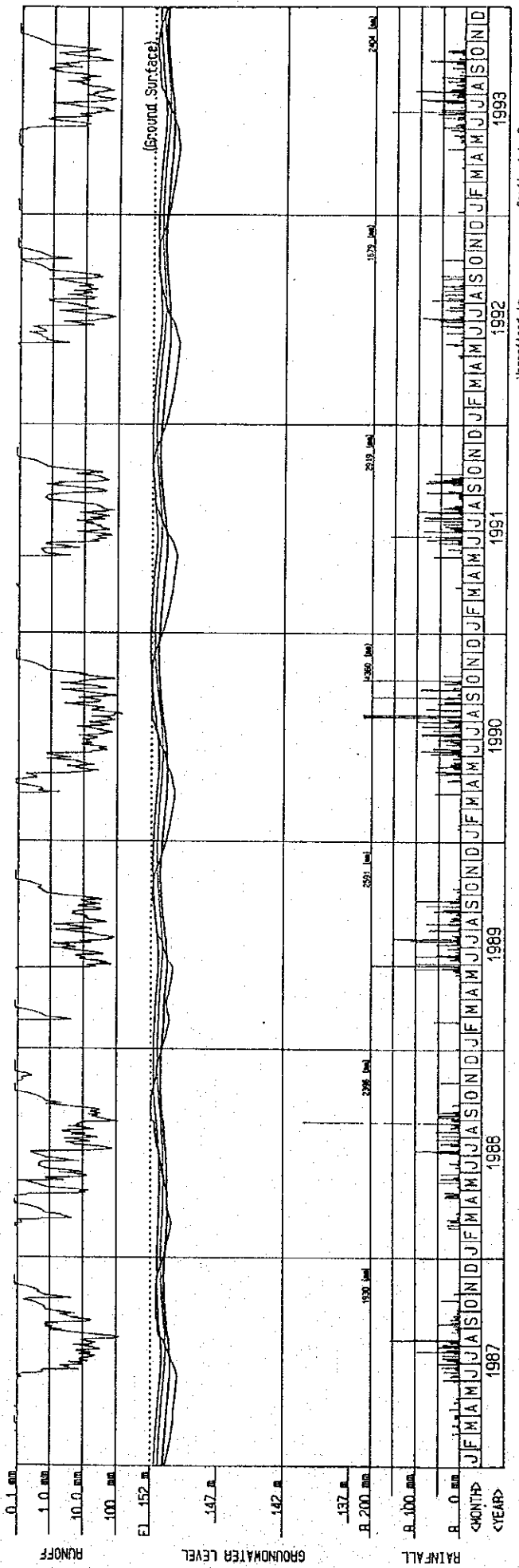
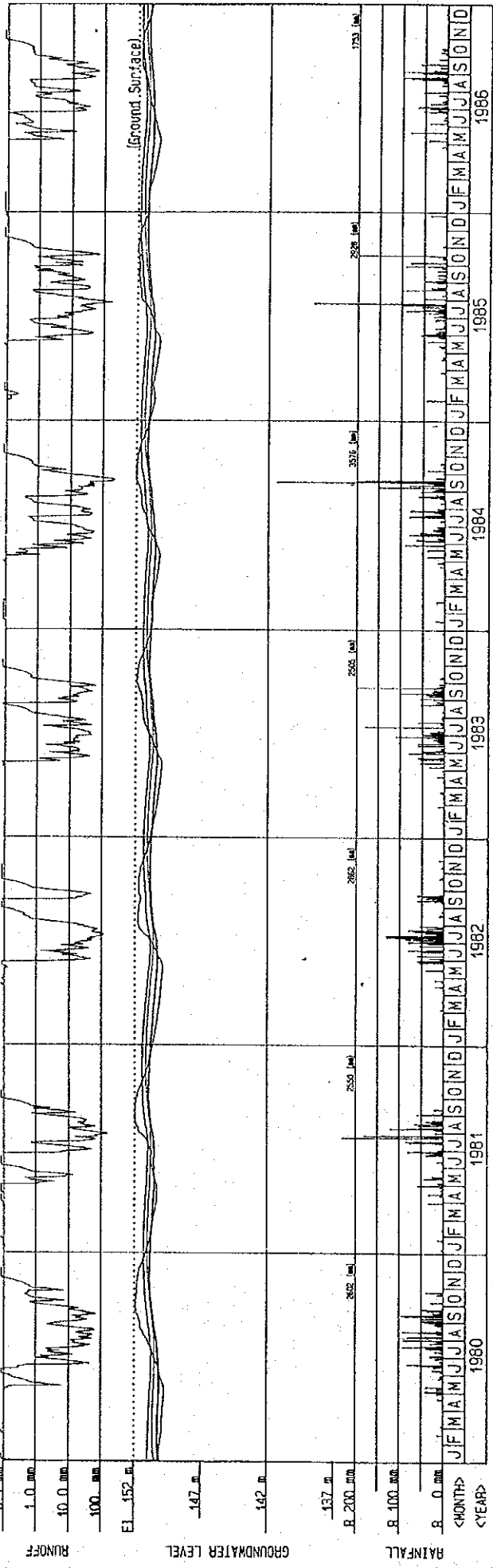
(1) Surface Sub-basins SURFACE BASIN RUNOFF ( BASIN= 3 FOR 14 YEARS )



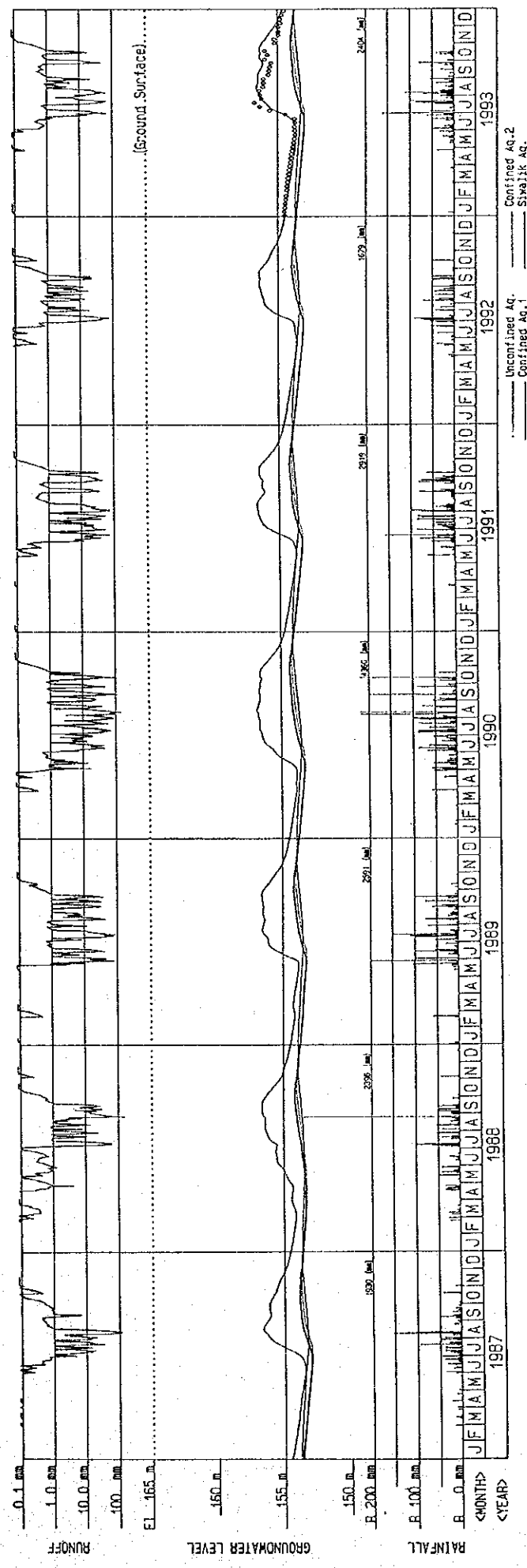
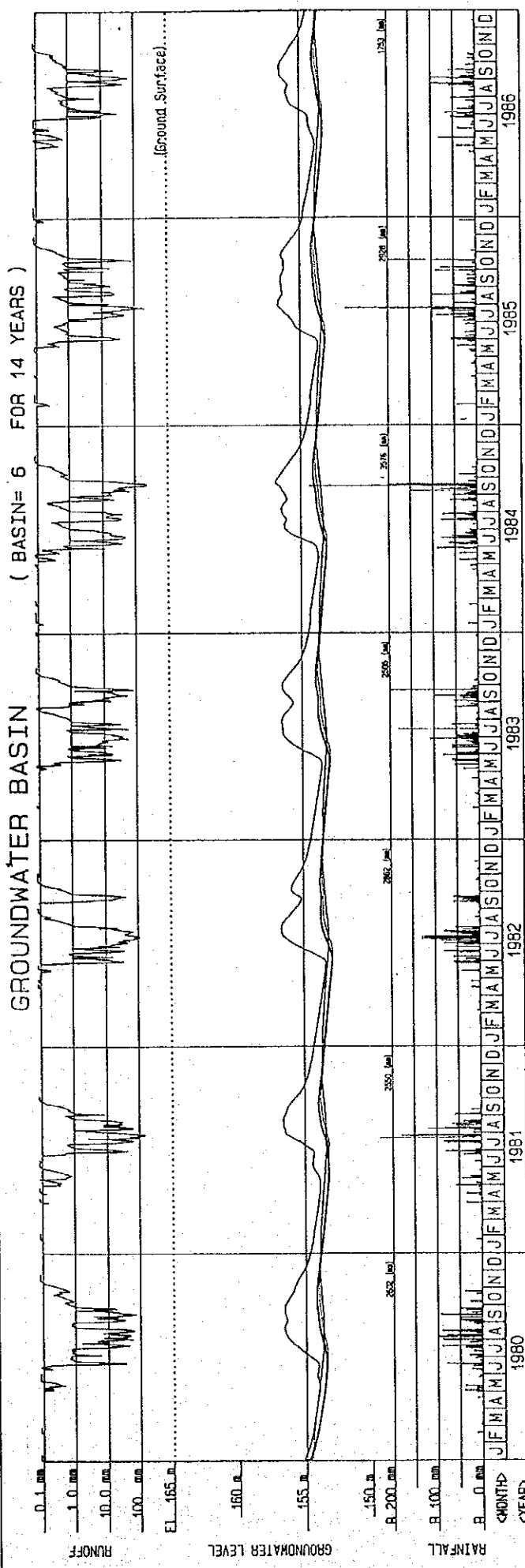
SURFACE BASIN RUNOFF ( BASIN= 1 FOR 14 YEARS )



(2) Groundwater Sub-basins <Present Condition> GROUNDWATER BASIN ( BASIN= 5 FOR 14 YEARS )

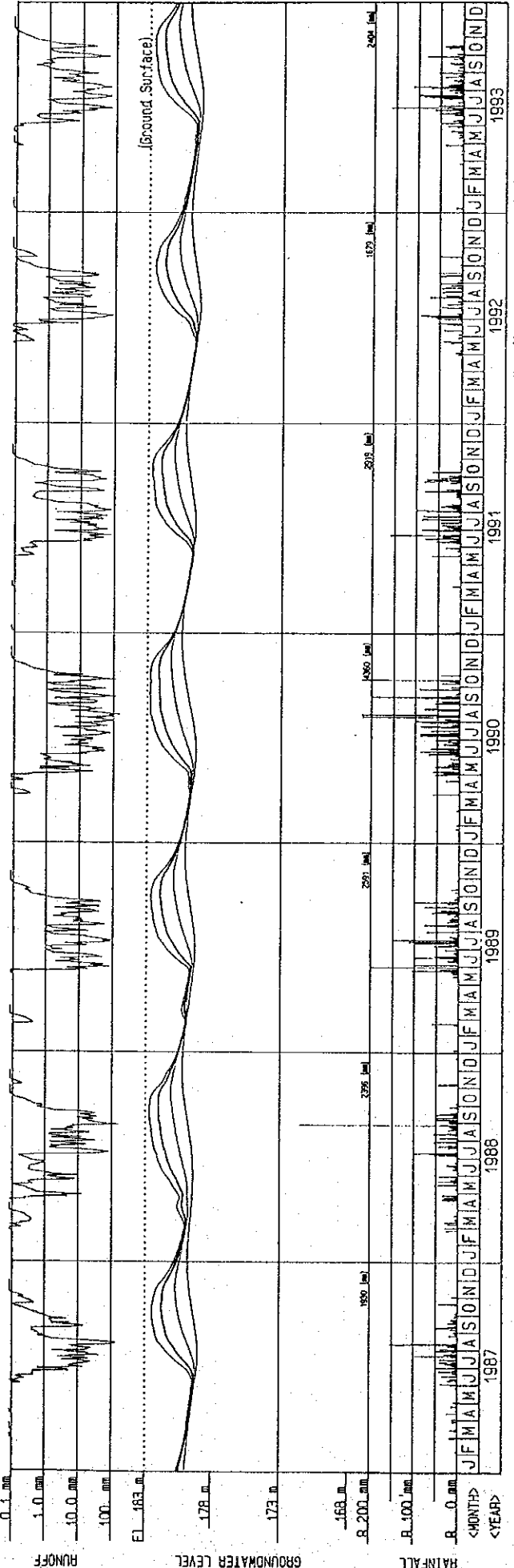
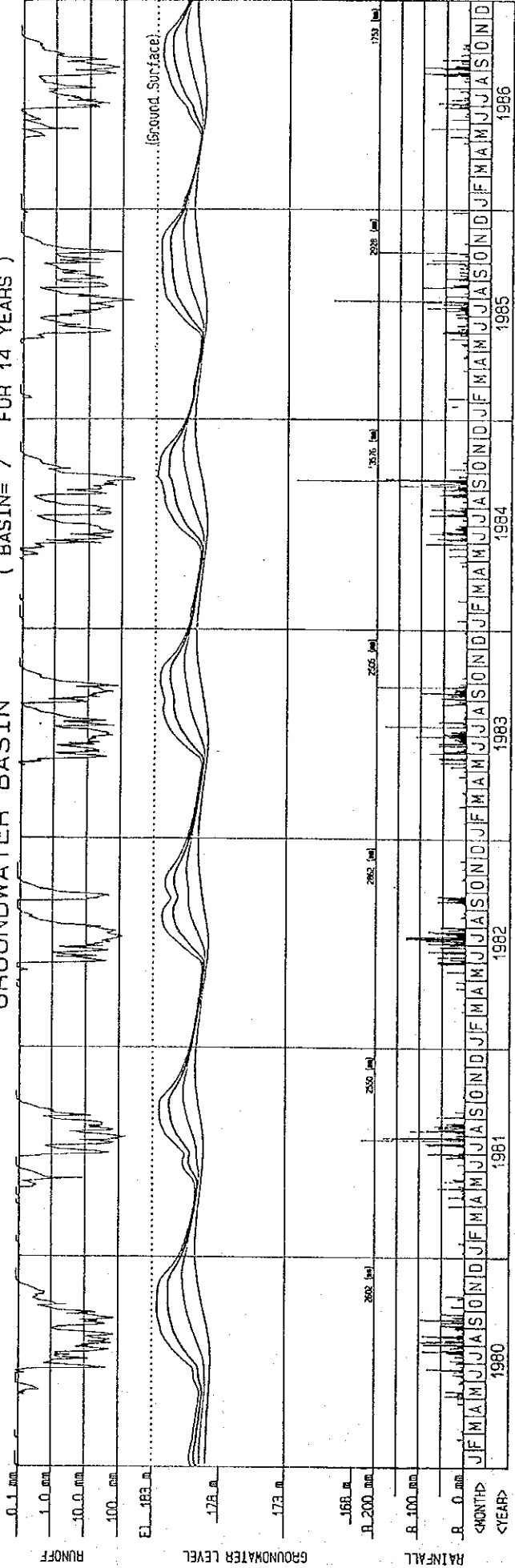


GROUNDWATER BASIN ( BASIN= 6 FOR 14 YEARS )



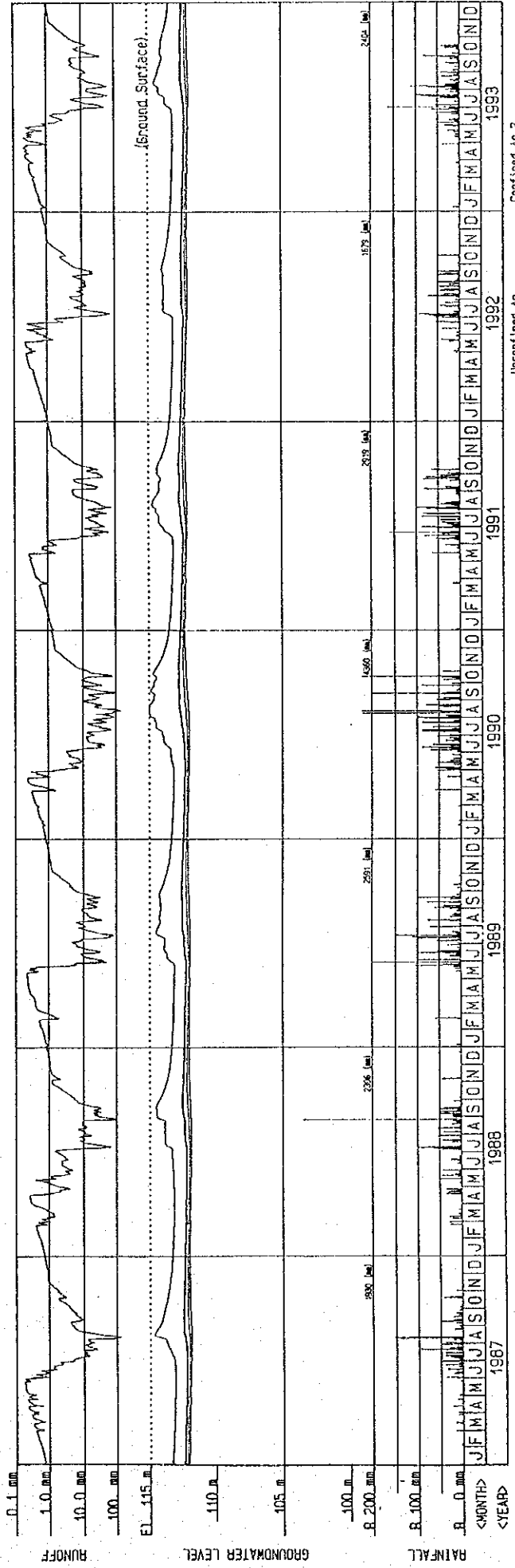
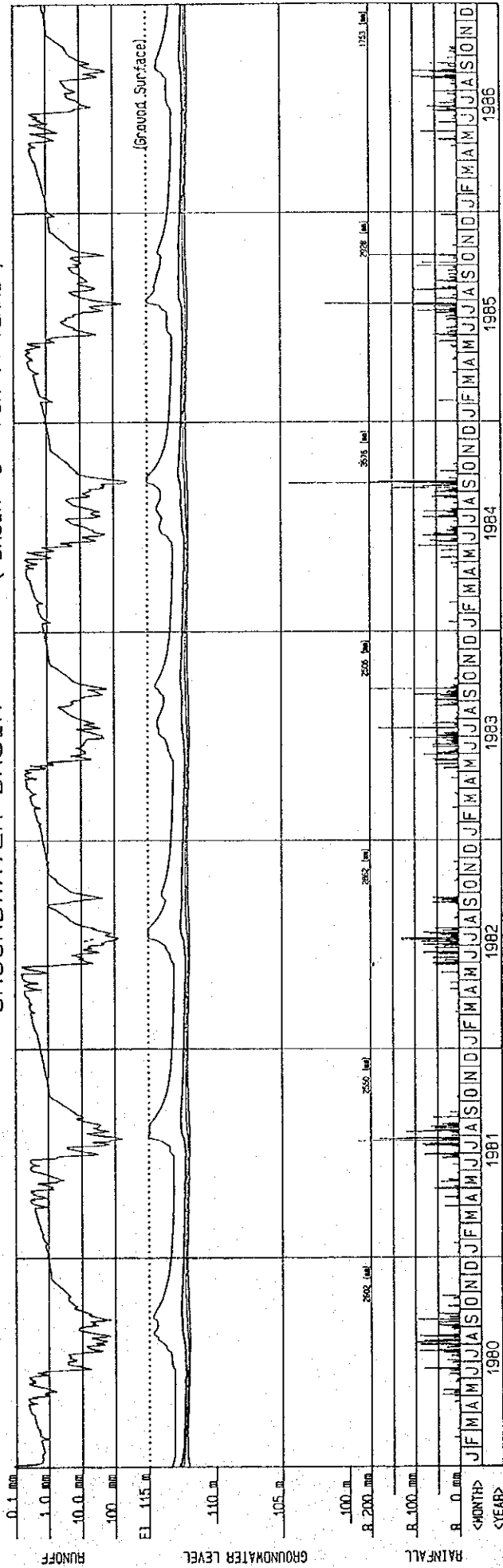
Unconfined Aq. 2  
 Confined Aq. 1

GROUNDWATER BASIN ( BASIN= 7 FOR 14 YEARS )



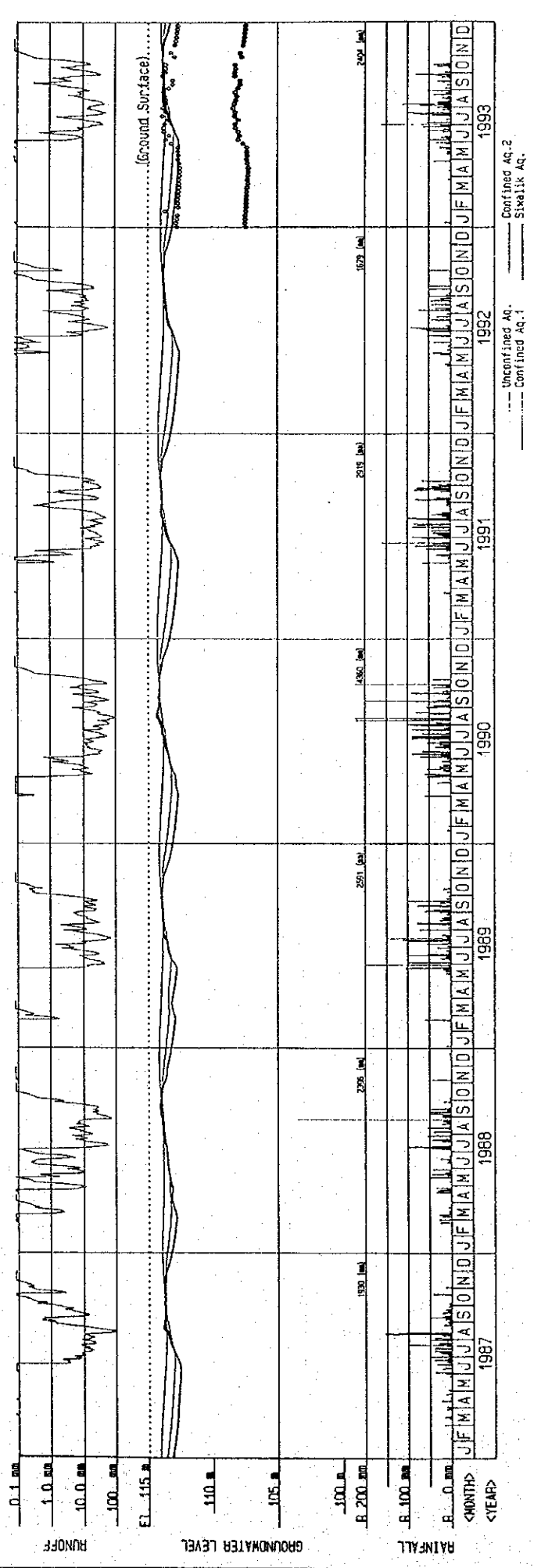
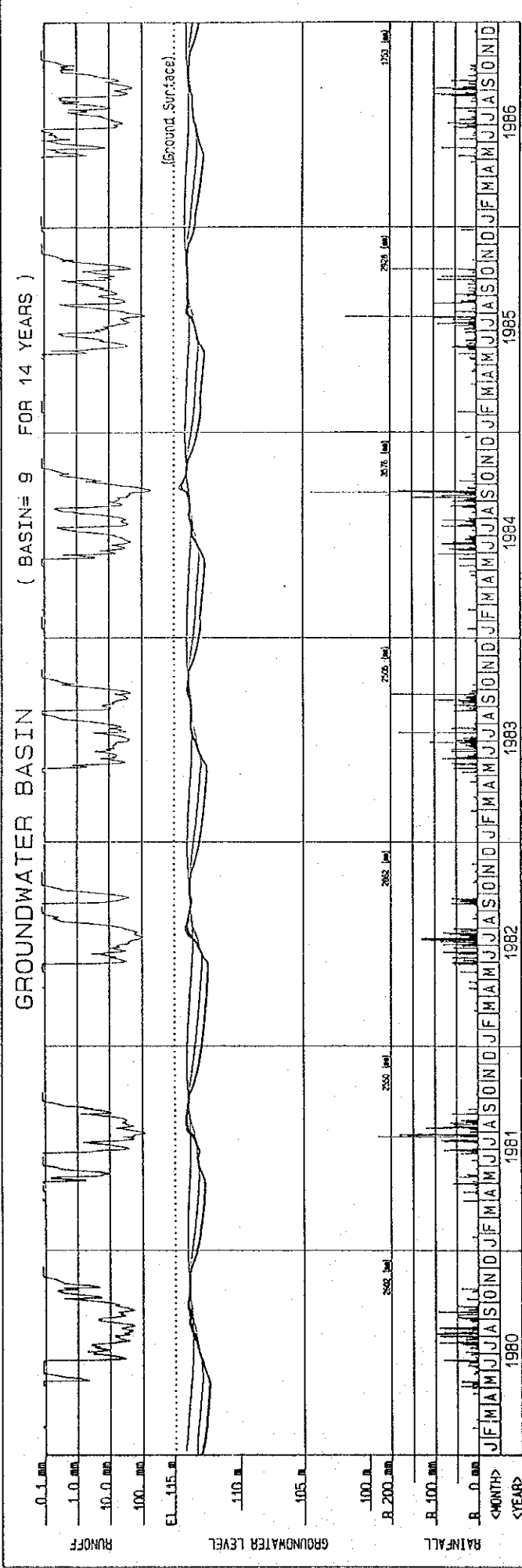
Unconfined Aq. 1  
Confined Aq. 2  
Swalik Aq.

GROUNDWATER BASIN ( BASIN= 8 FOR 14 YEARS )

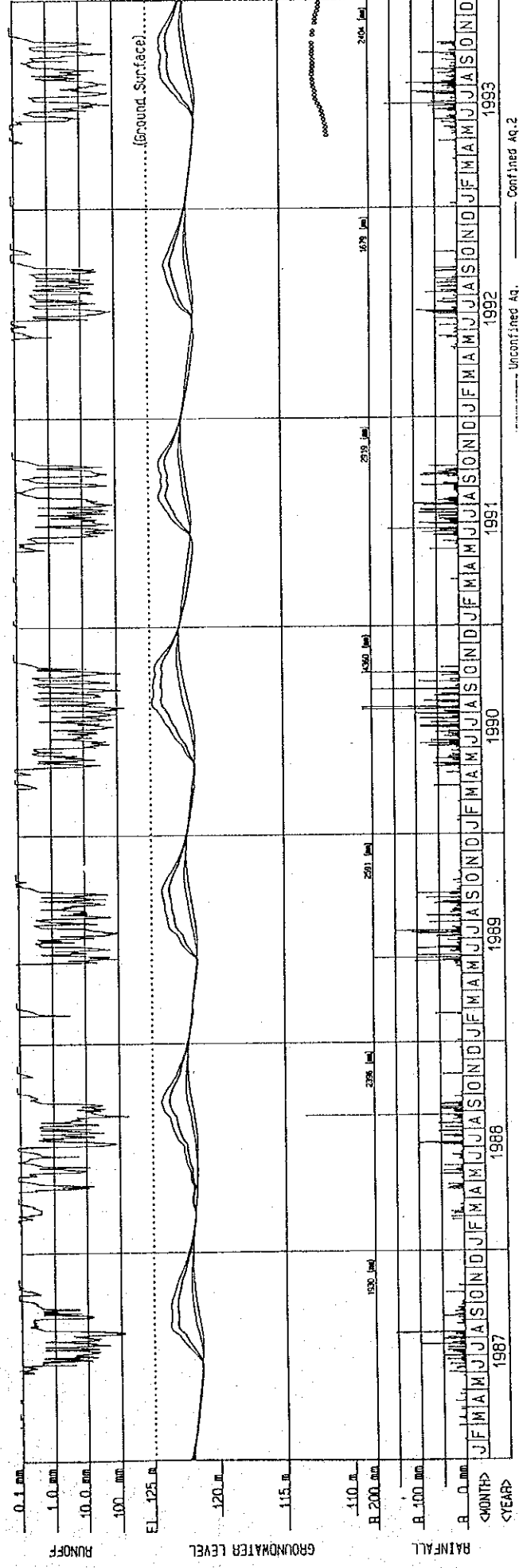
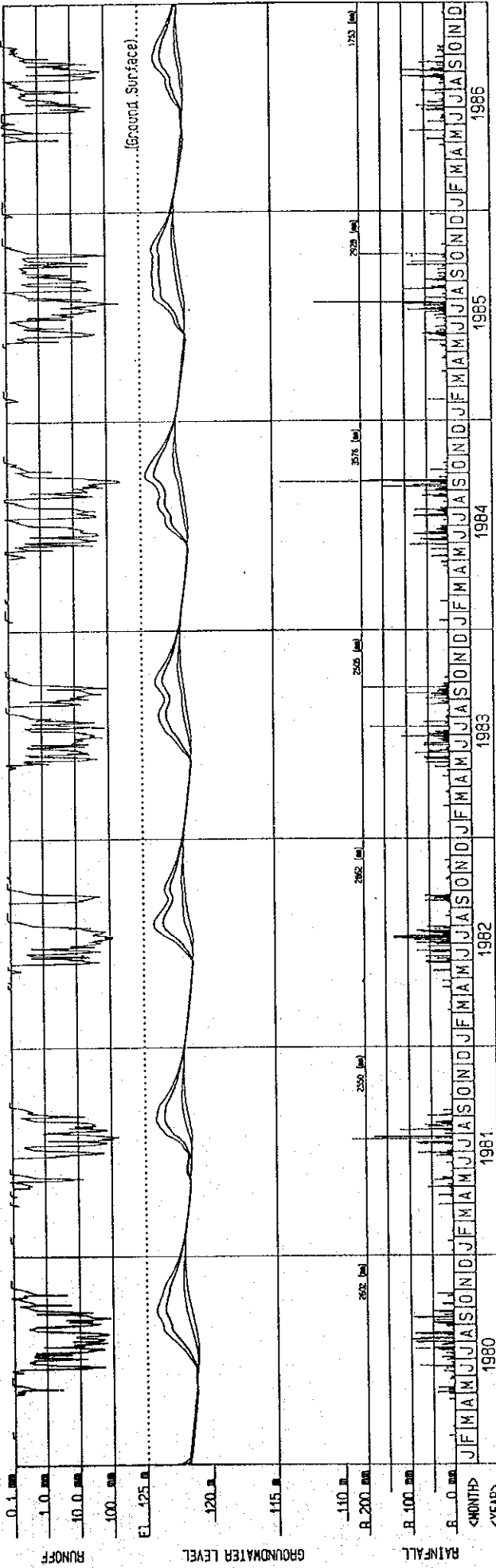


Unconfined Aq. 2  
 Confined Aq. 1  
 Confined Aq. 2  
 S1wa11k Aq.

GROUNDWATER BASIN ( BASIN= 9 FOR 14 YEARS )



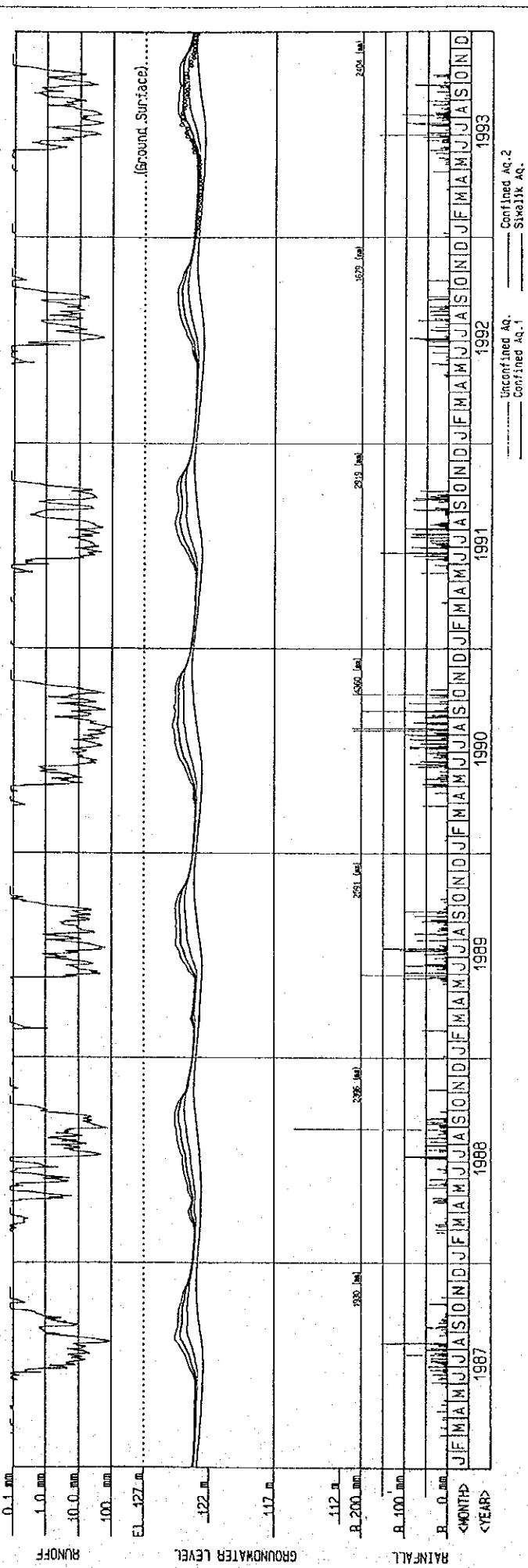
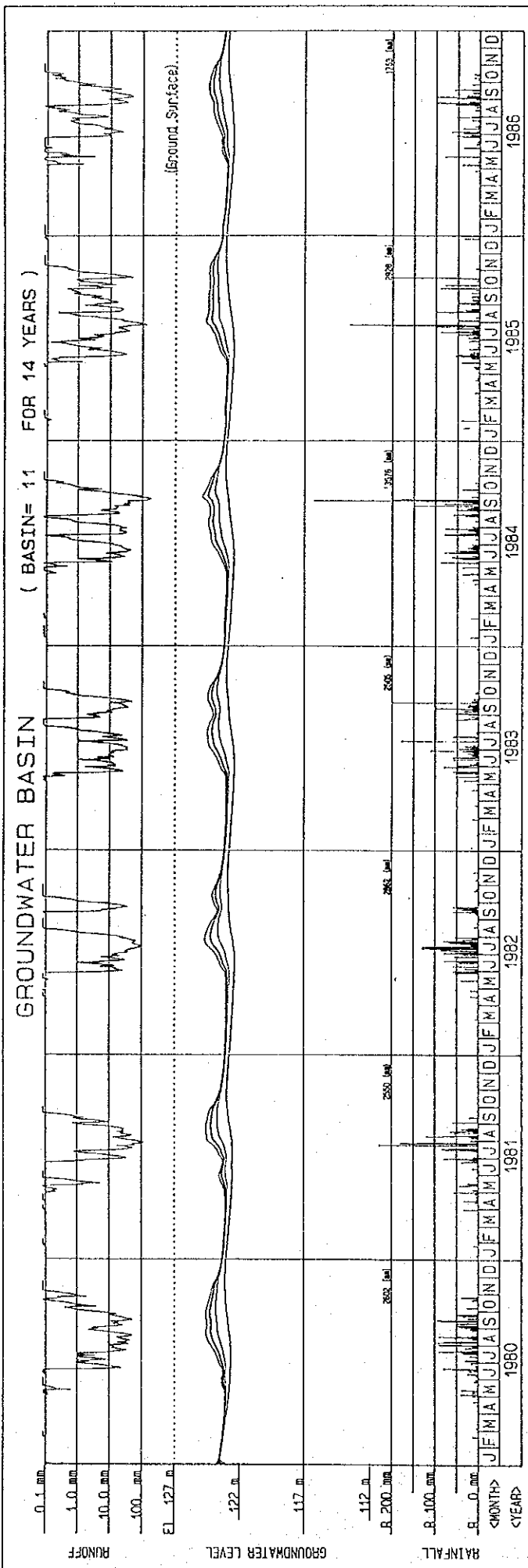
GROUNDWATER BASIN (BASIN= 10 FOR 14 YEARS.)



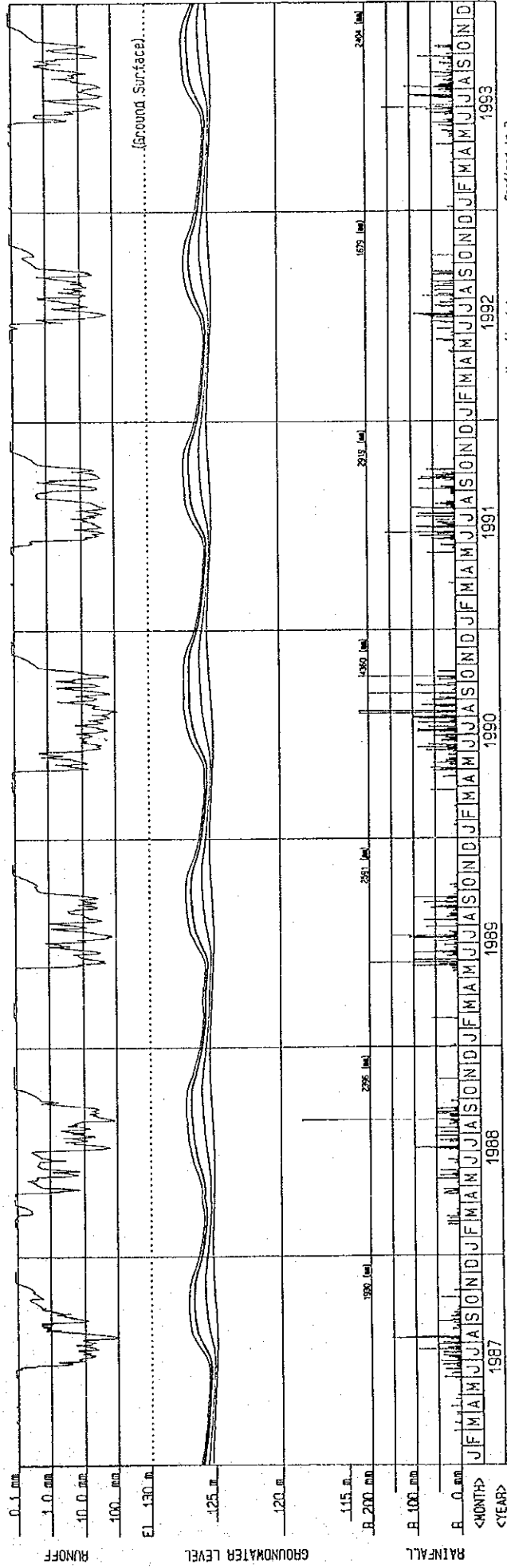
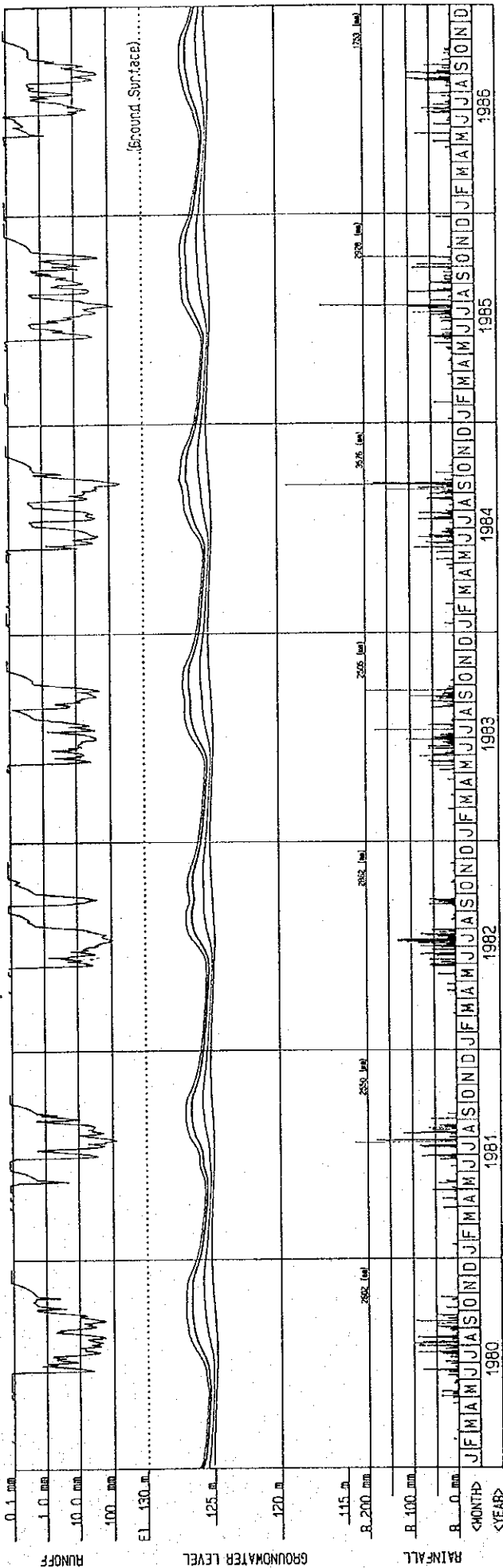
Unconfined Aq. 1  
 Confined Aq. 2  
 Shaded Aq.



GROUNDWATER BASIN ( BASIN= 11 FOR 14 YEARS )

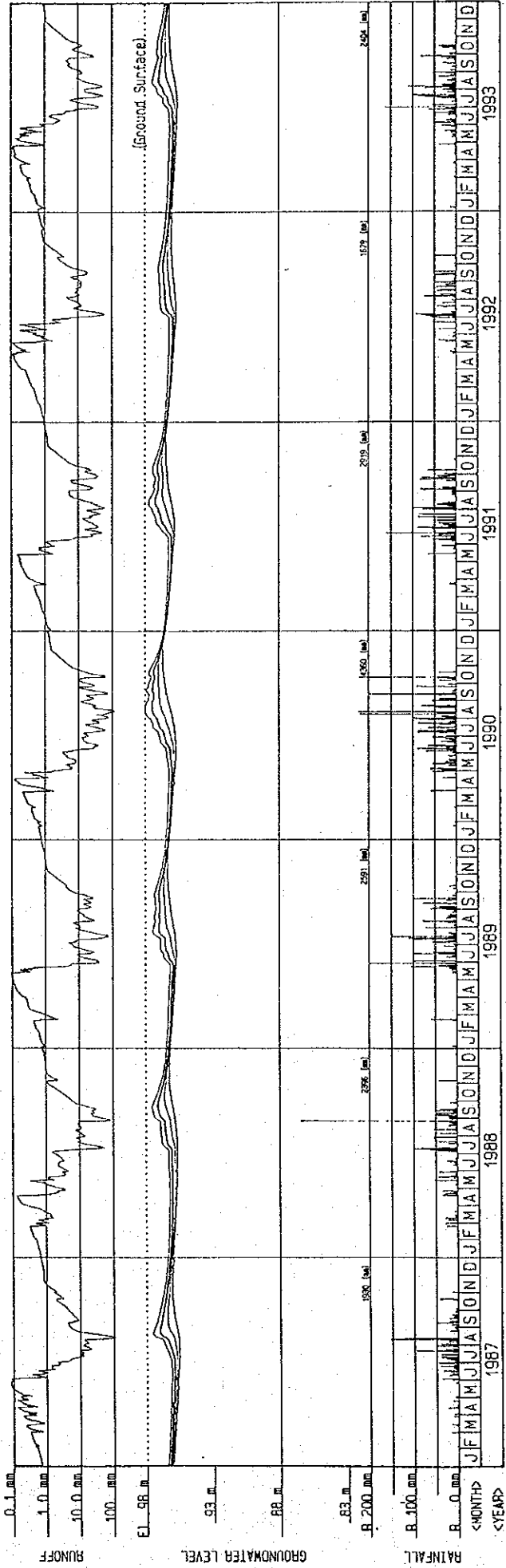
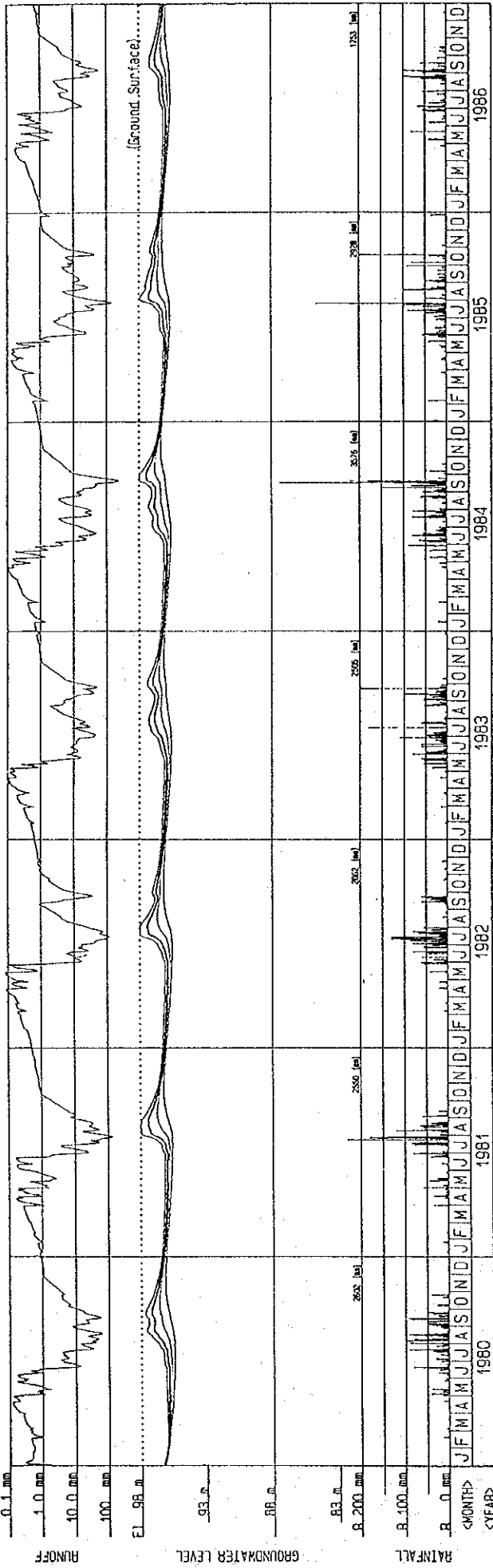


GROUNDWATER BASIN ( BASIN= 12 FOR 14 YEARS )

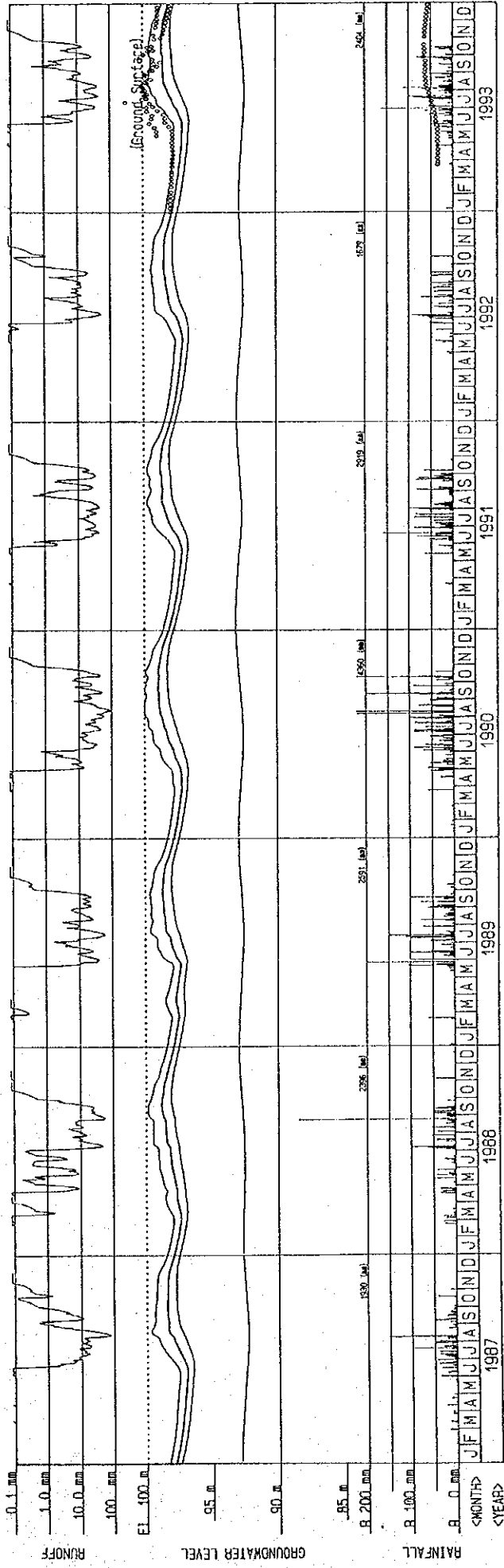
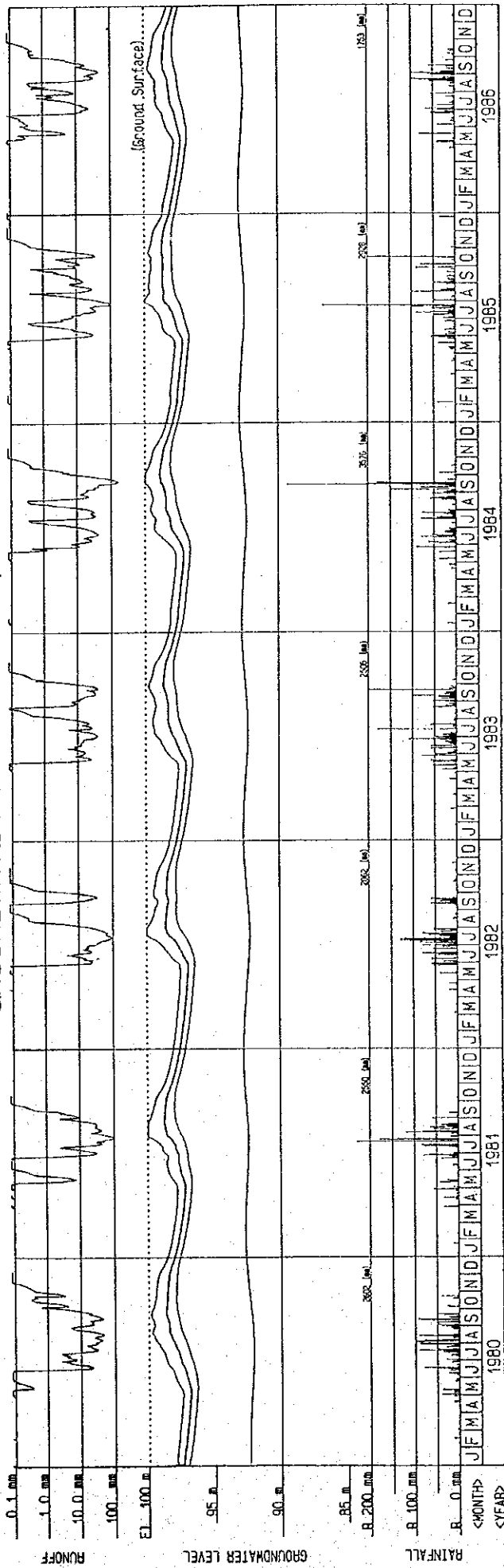


Unconfined Aq. 2  
Confined Aq. 1

GROUNDWATER BASIN ( BASIN= 13 FOR 14 YEARS )

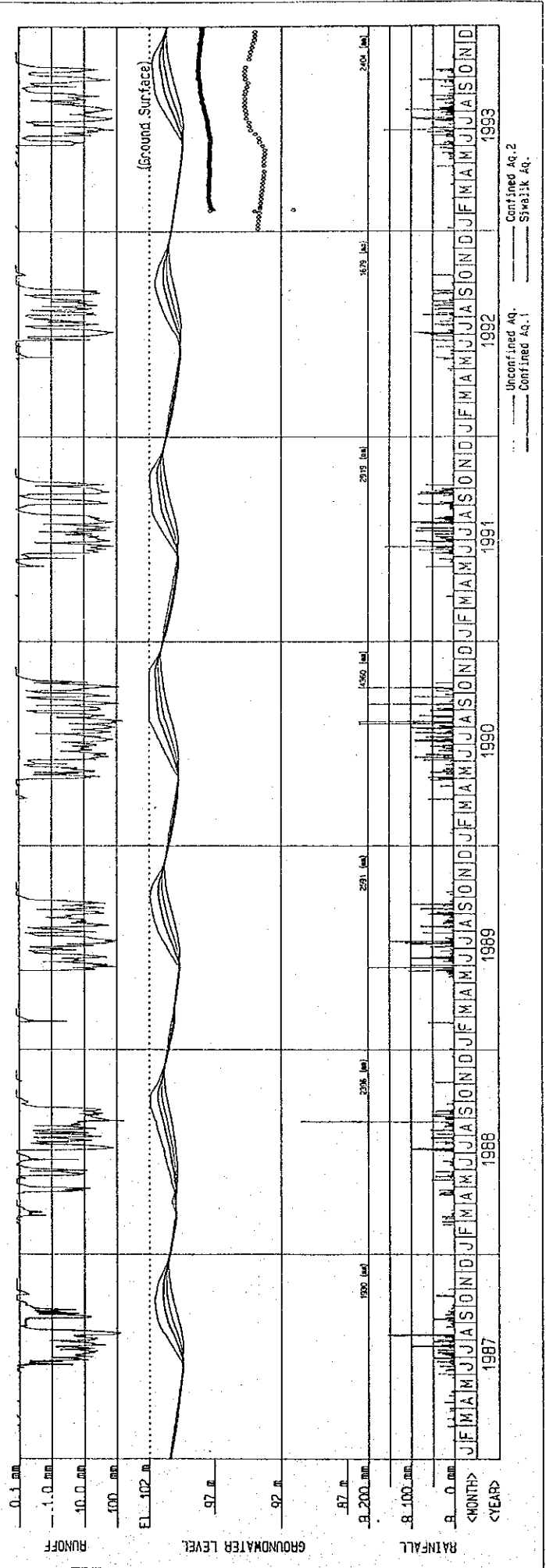
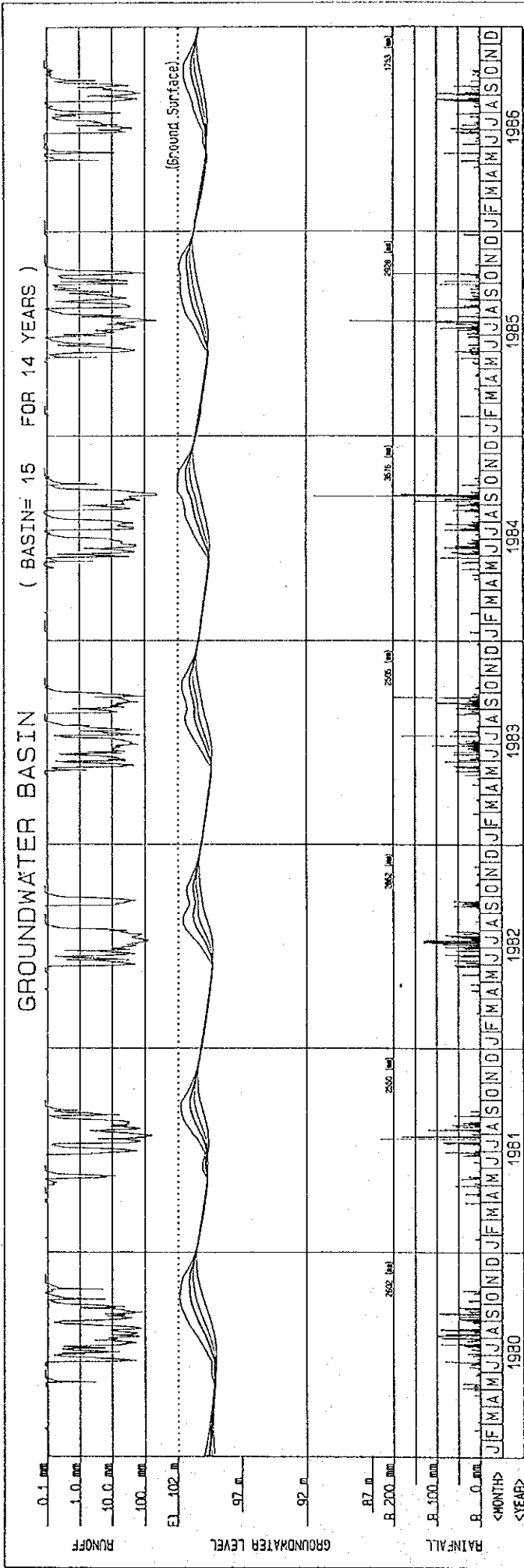


GROUNDWATER BASIN ( BASIN# 14 FOR 14 YEARS )

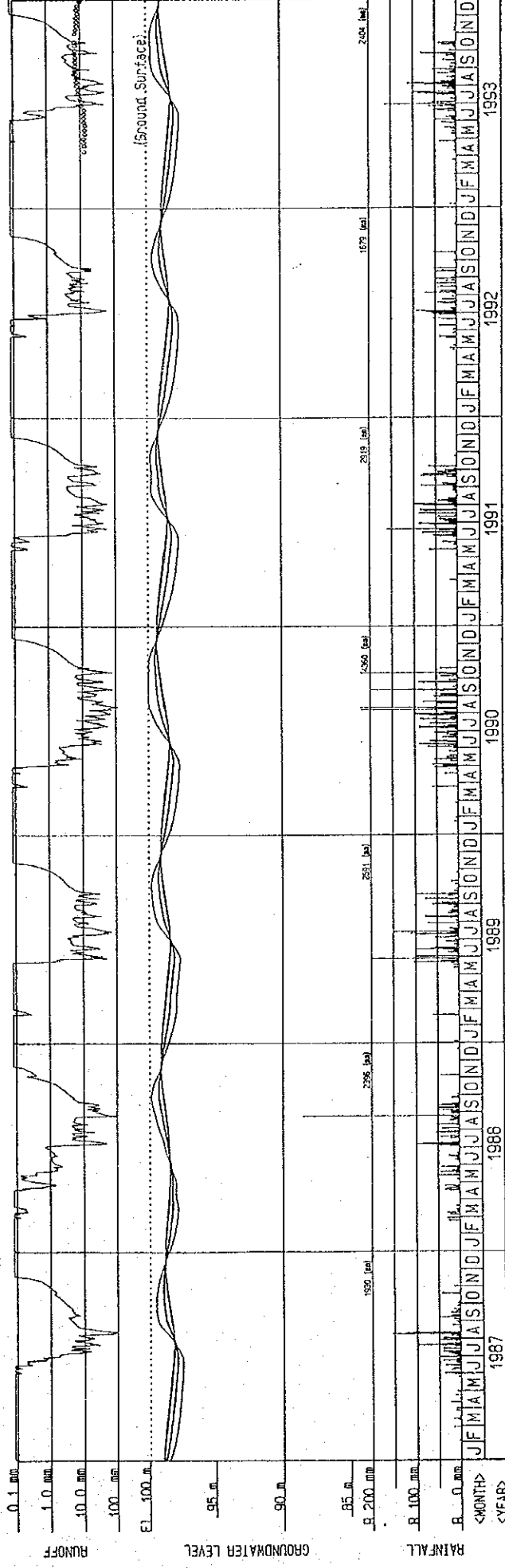
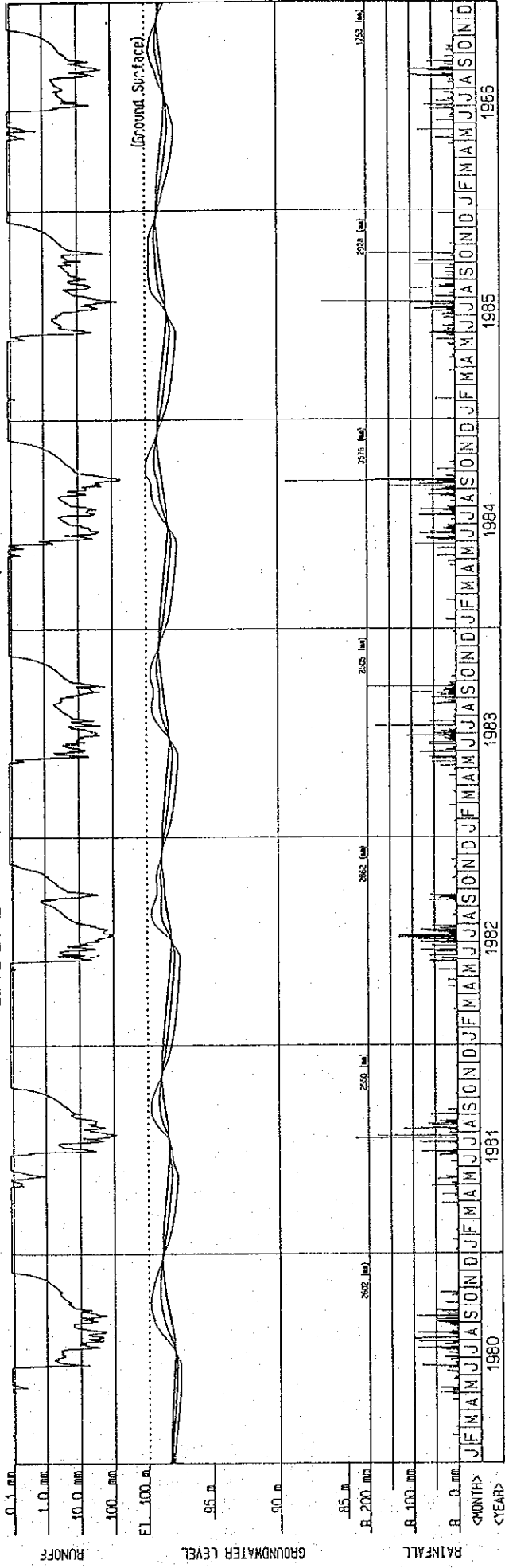


Unconfined Ag. 1  
Confined Ag. 2  
Sivajik Ag.

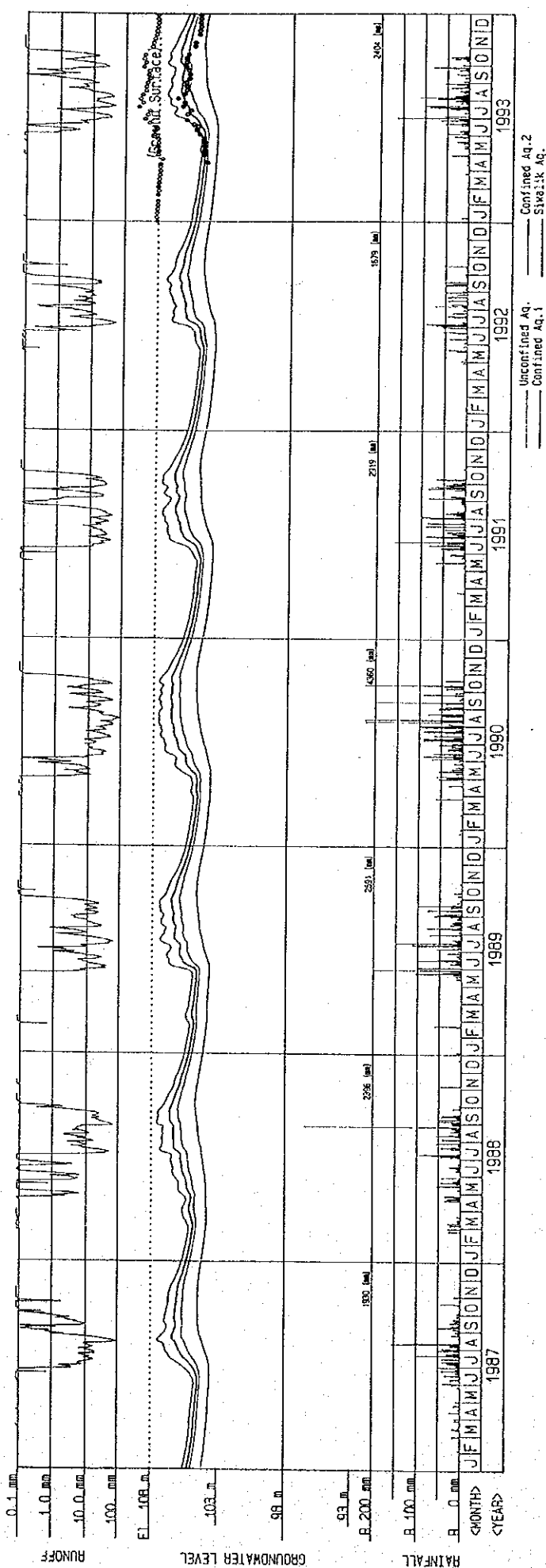
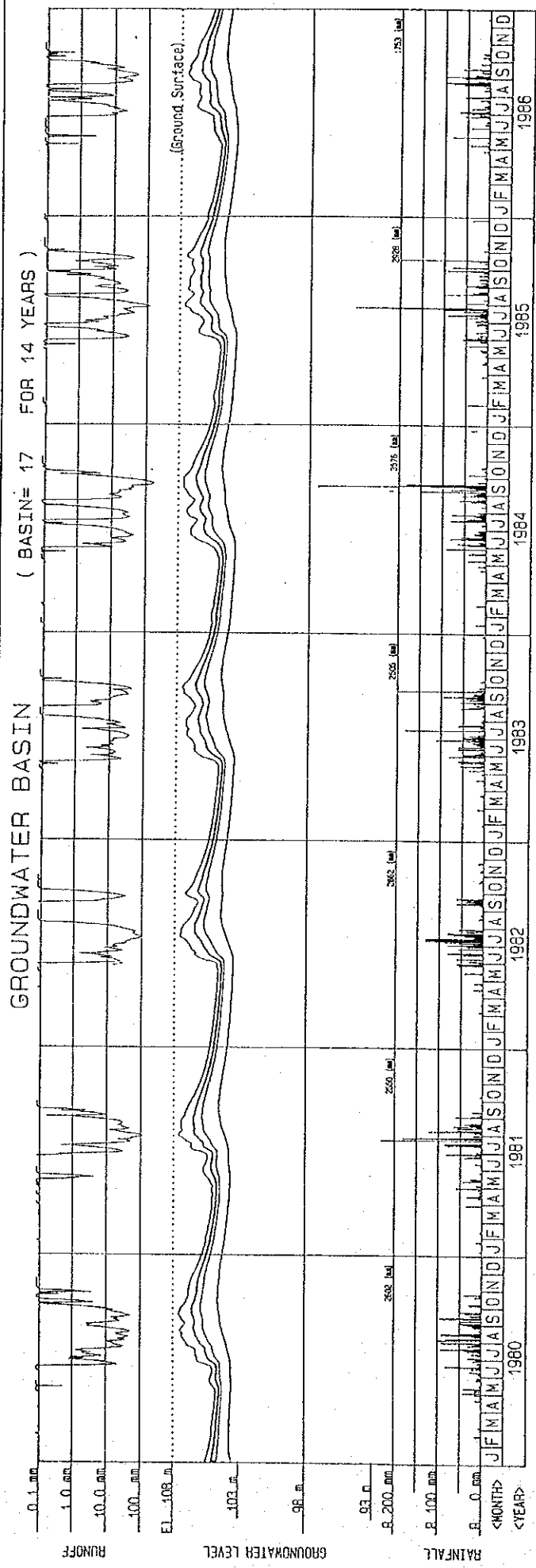
GROUNDWATER BASIN ( BASIN= 15 FOR 14 YEARS )



GROUNDWATER BASIN ( BASIN= 16 FOR 14 YEARS )

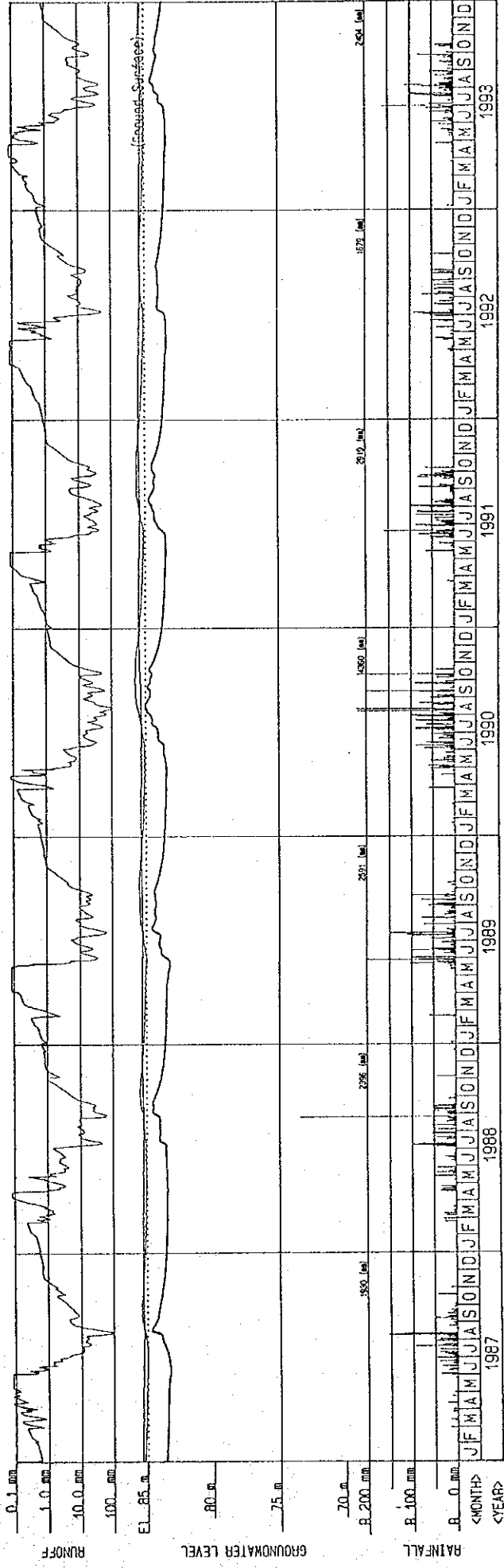
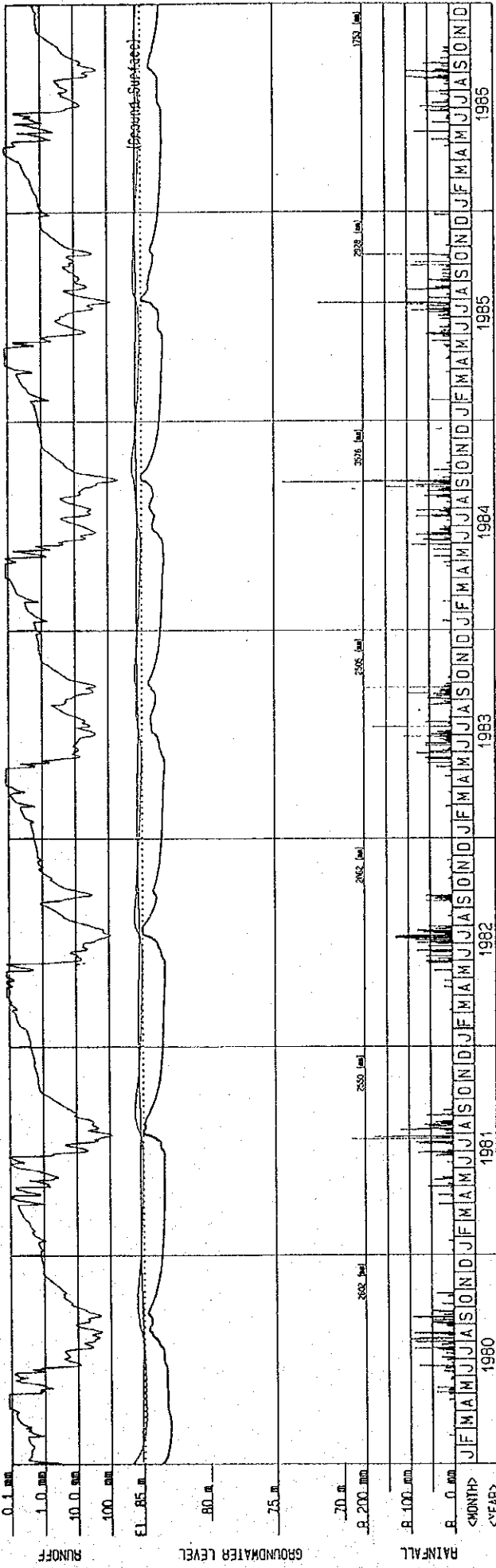


GROUNDWATER BASIN ( BASIN= 17 FOR 14 YEARS )

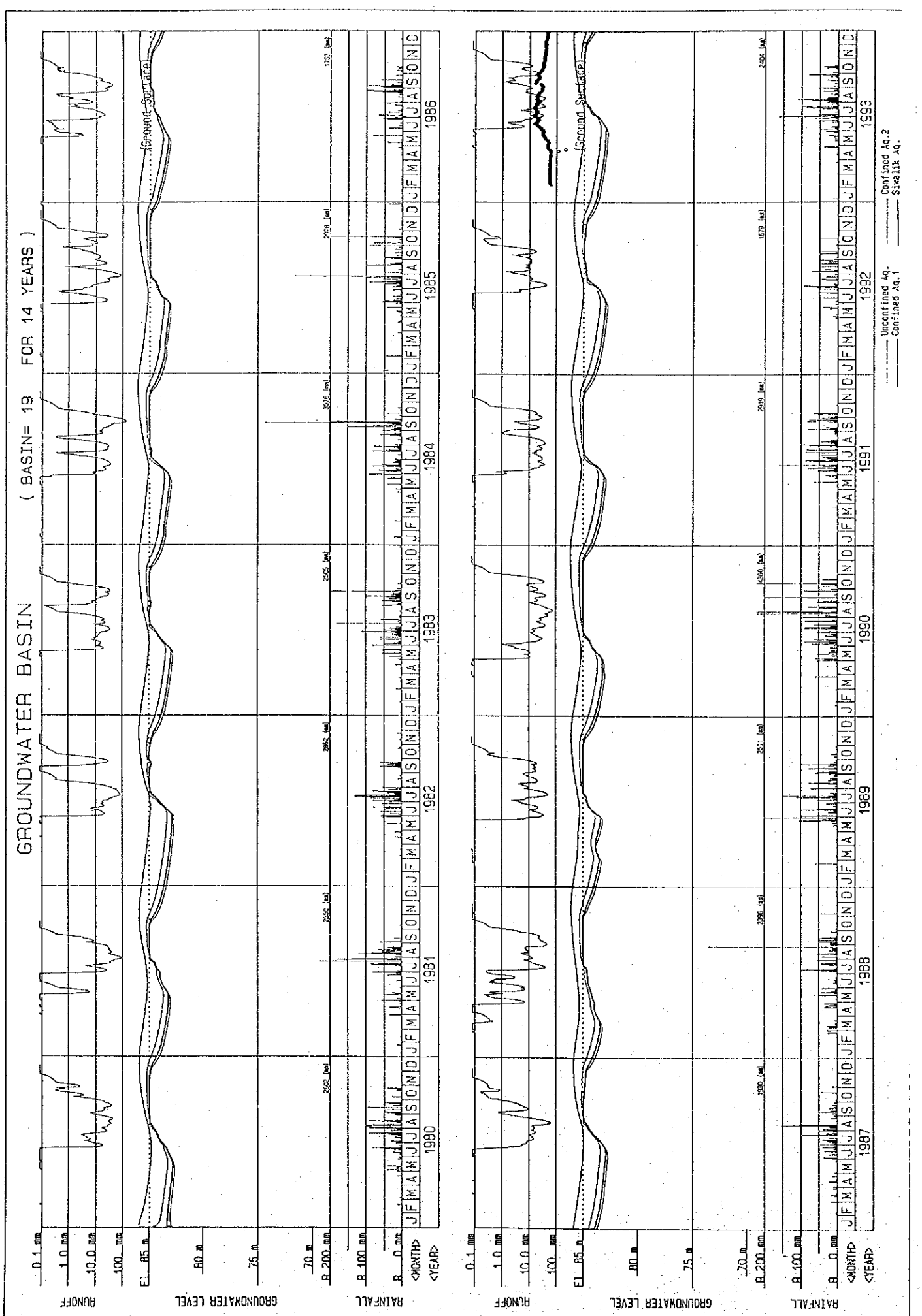


Unconfined Aq. 2  
Confined Aq. 1  
Unconfined Aq. 1  
Confined Aq. 2

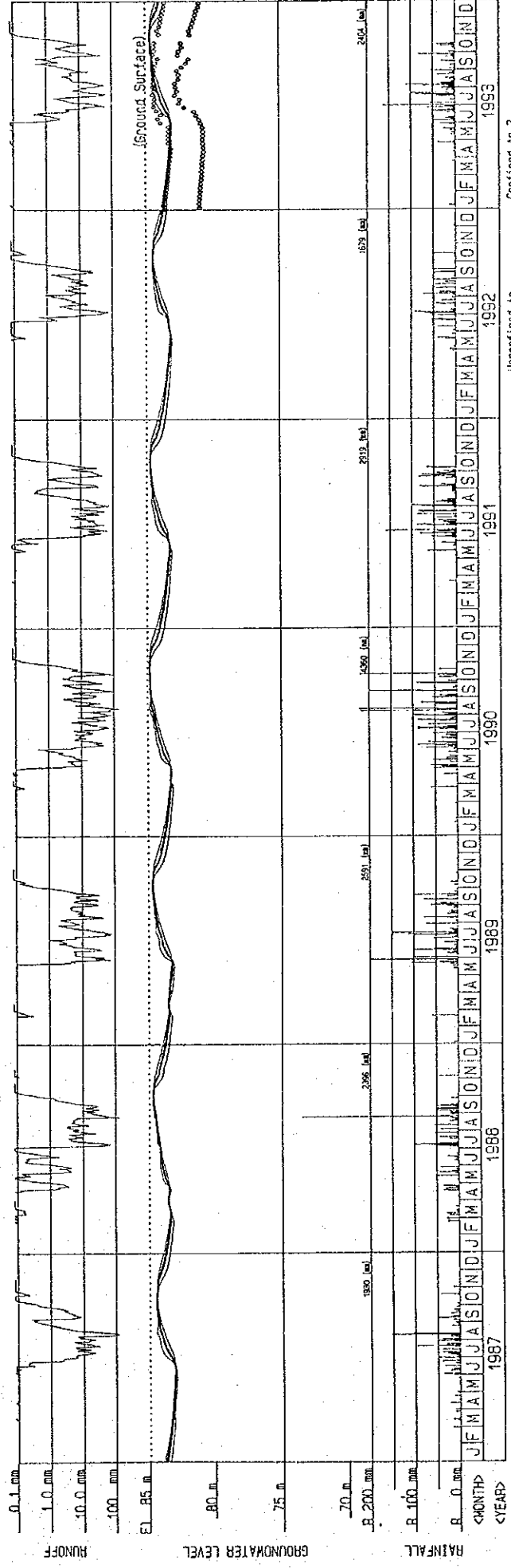
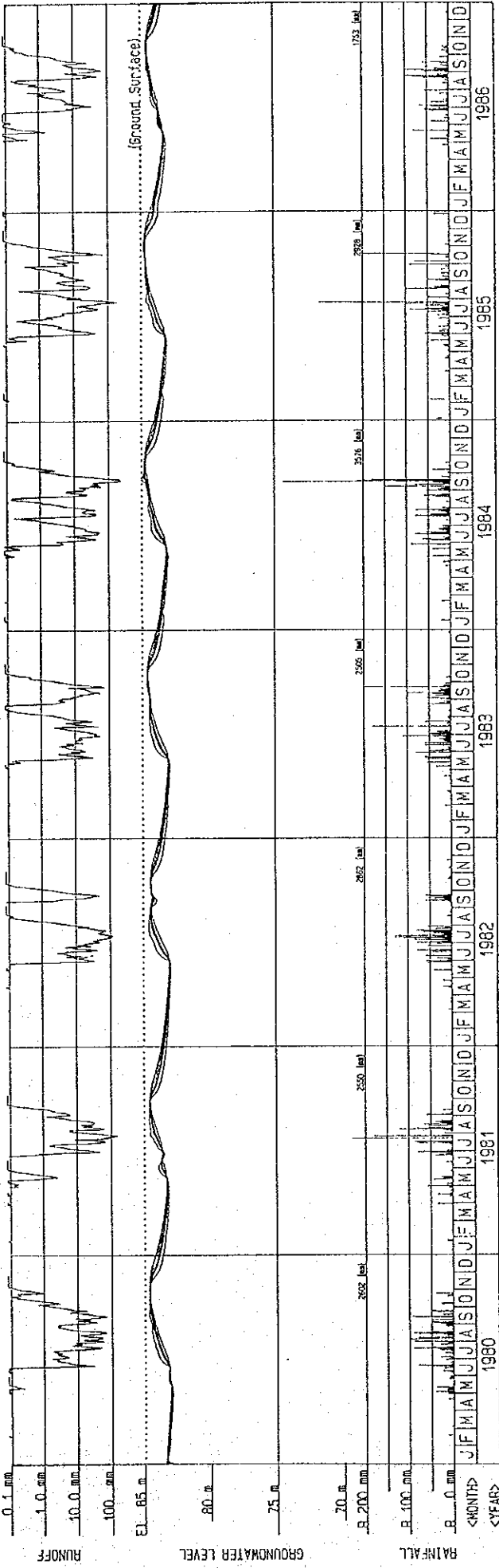
GROUNDWATER BASIN ( BASIN= 18 FOR 14 YEARS )





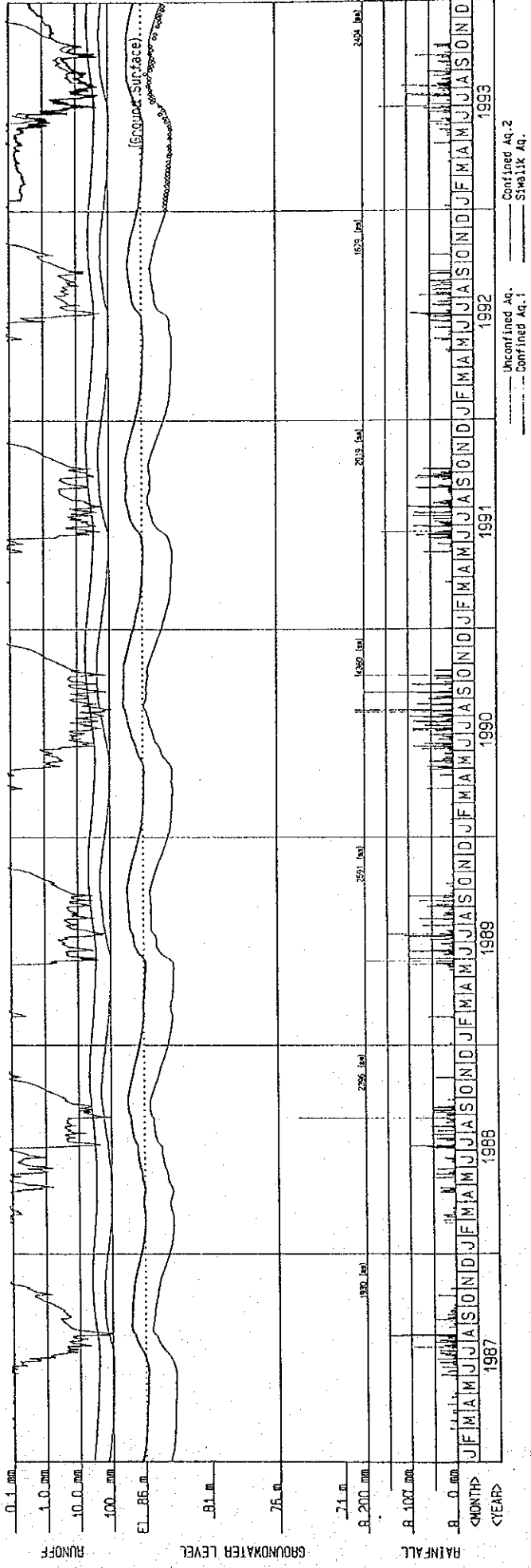
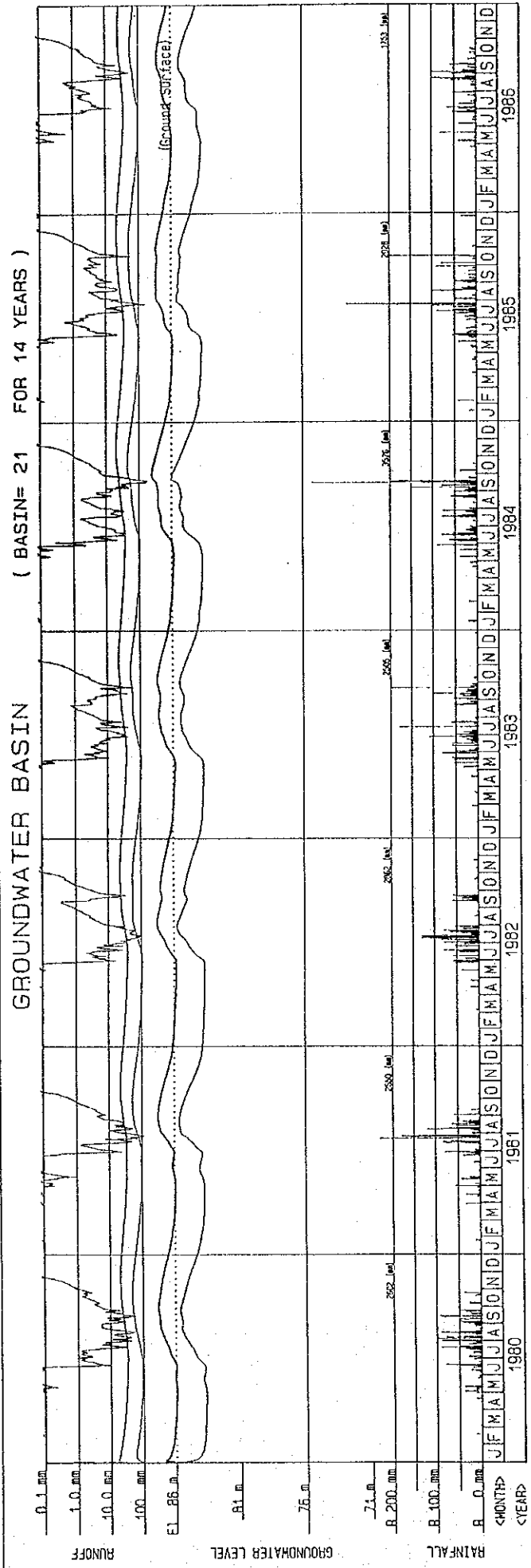


GROUNDWATER BASIN ( BASIN= 20 FOR 14 YEARS )



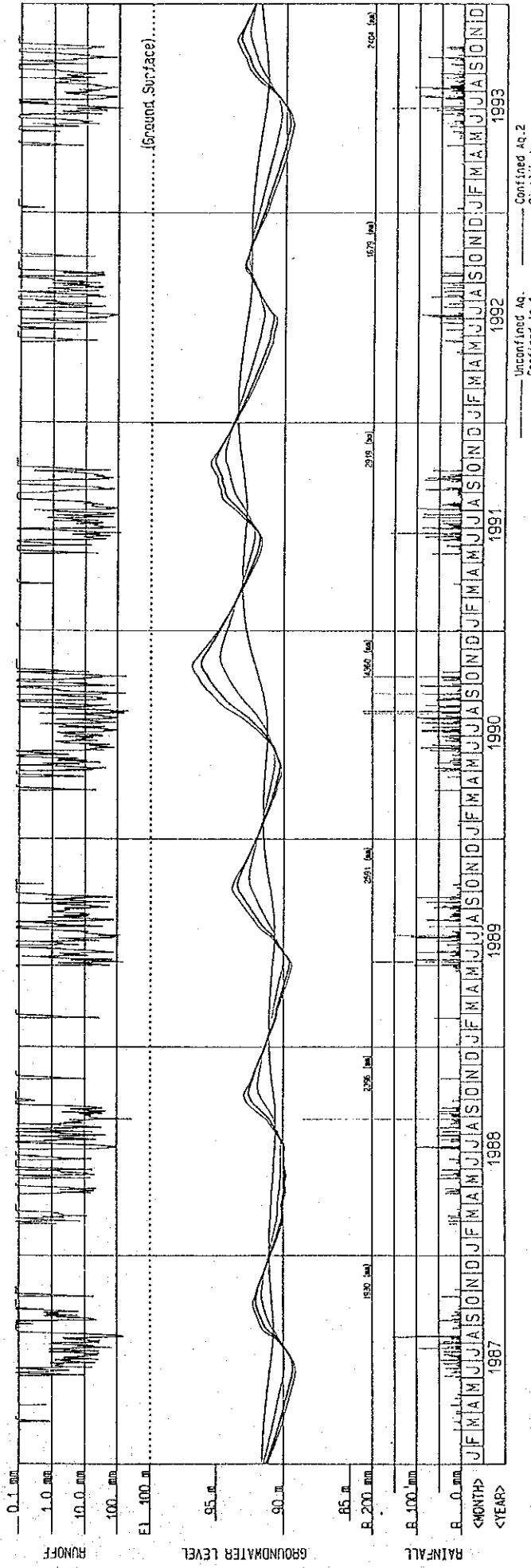
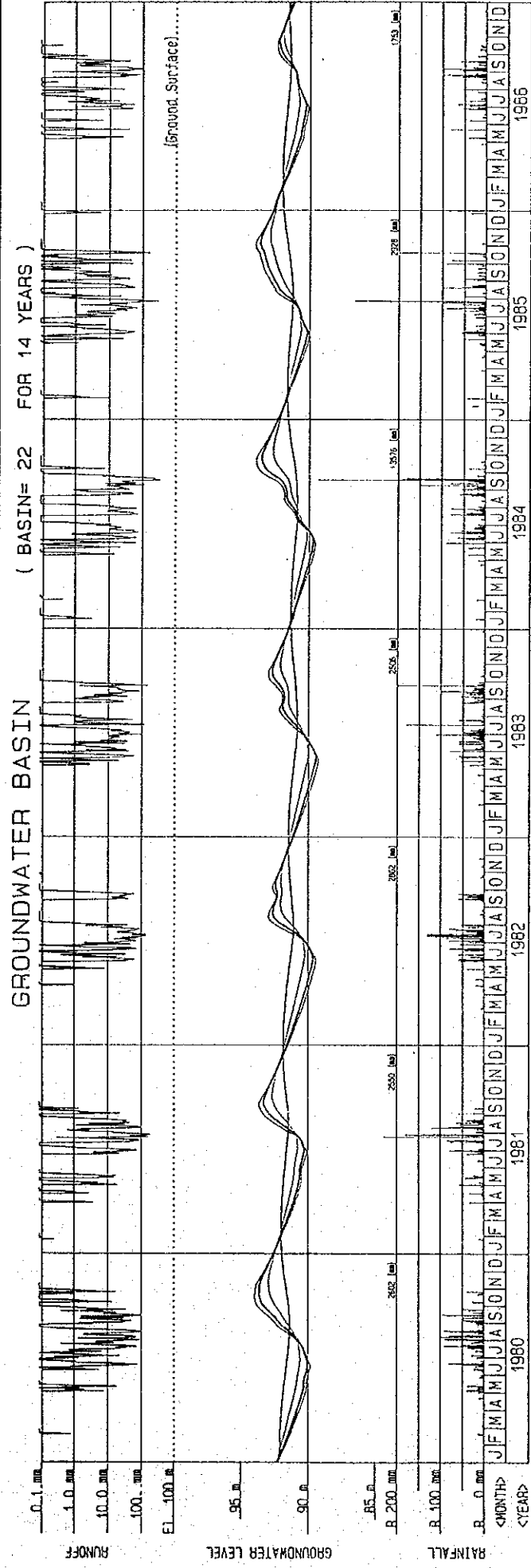
Unconfined Aq. 2  
Confined Aq. 1  
Simalik Aq.

GROUNDWATER BASIN (BASIN= 21 FOR 14 YEARS)

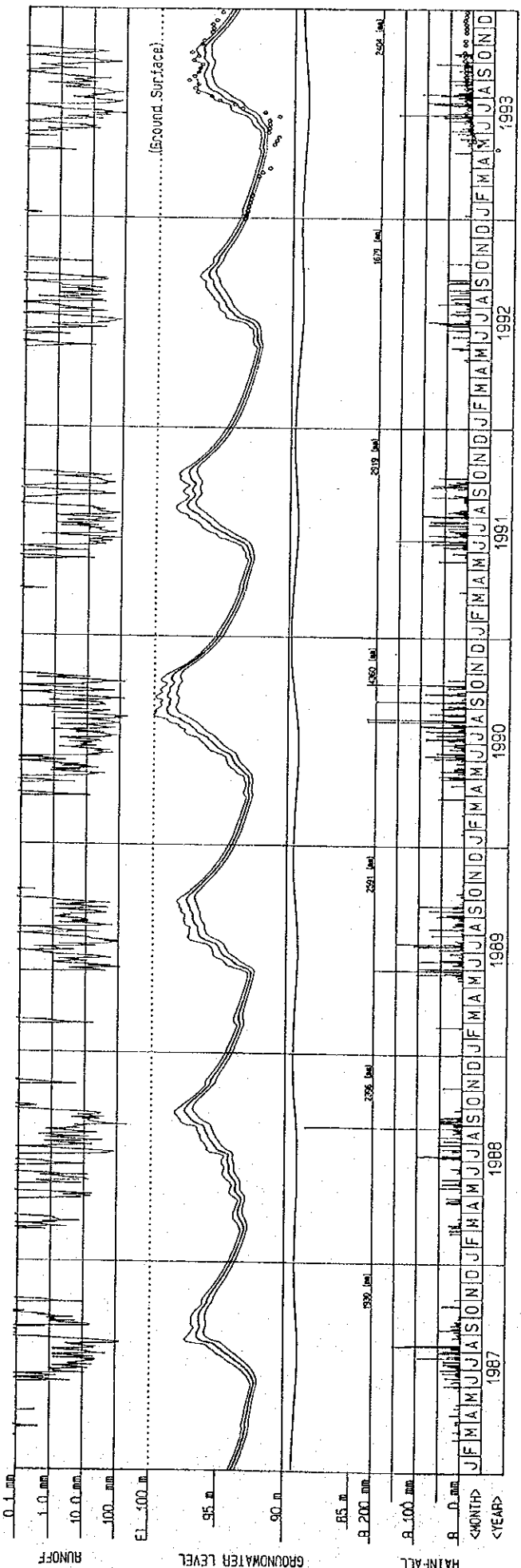
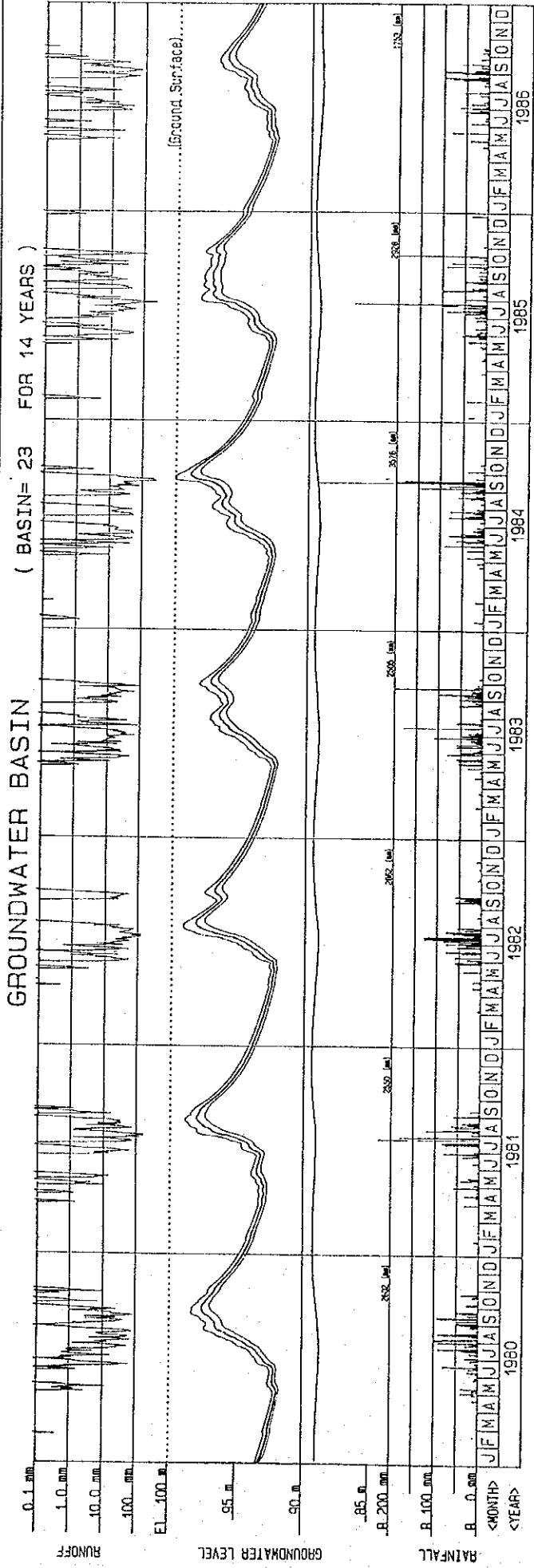


Unconfined Aq. 1  
 Confined Aq. 2  
 Small Aq.

GROUNDWATER BASIN ( BASIN= 22 FOR 14 YEARS )



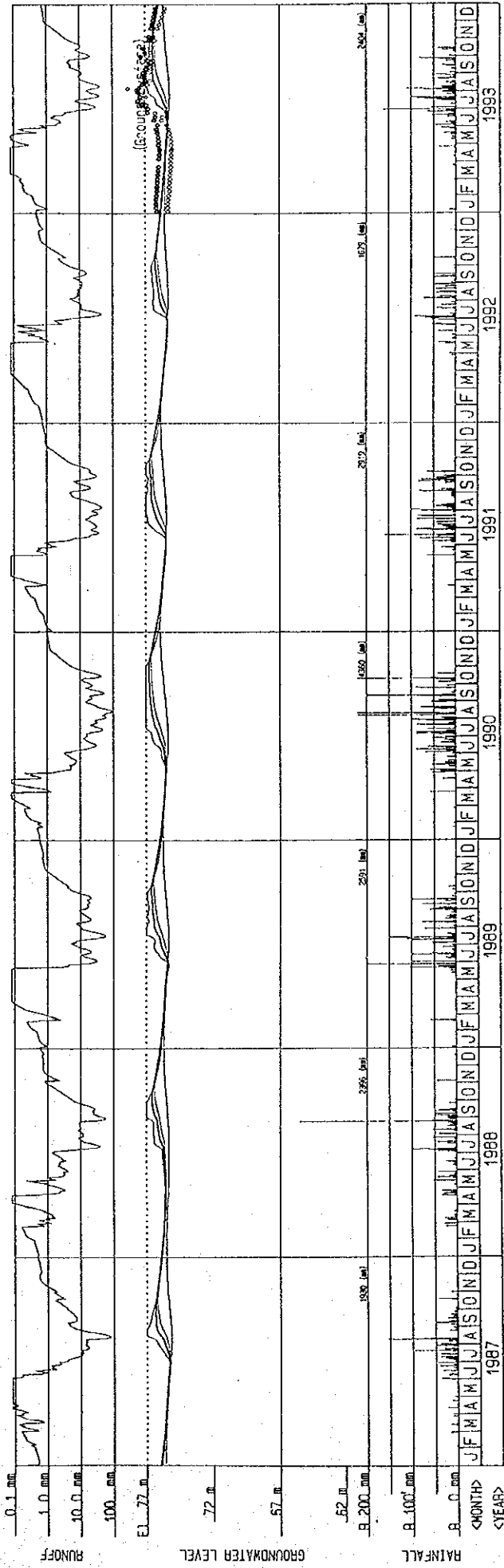
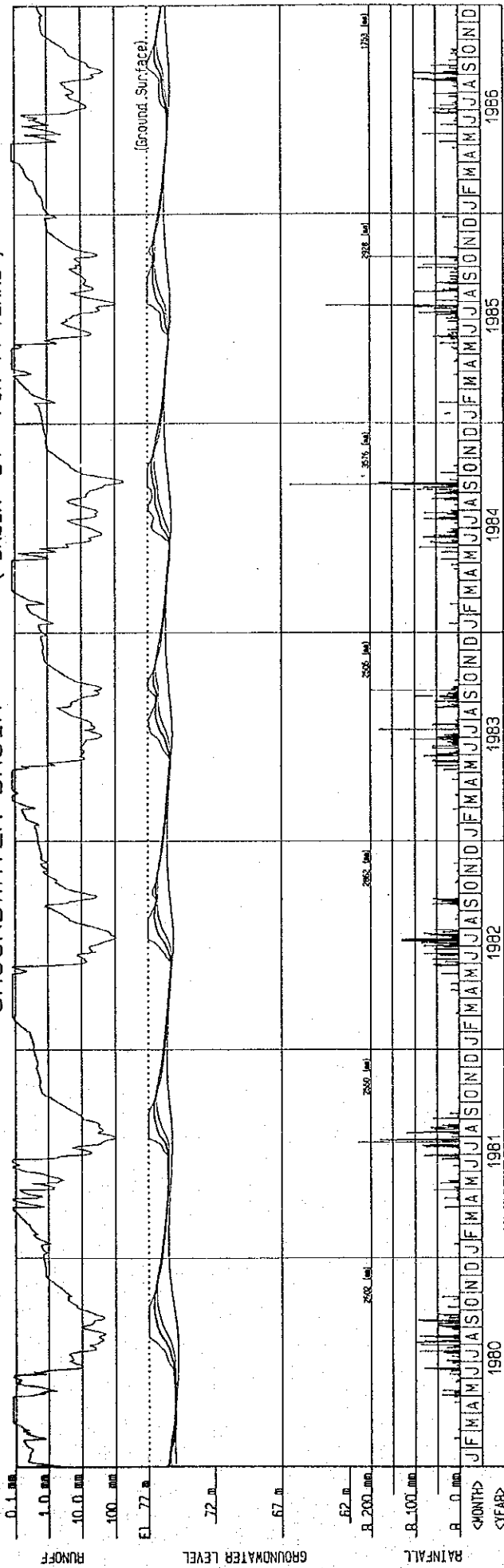
# GROUNDWATER BASIN ( BASIN= 23 FOR 14 YEARS )



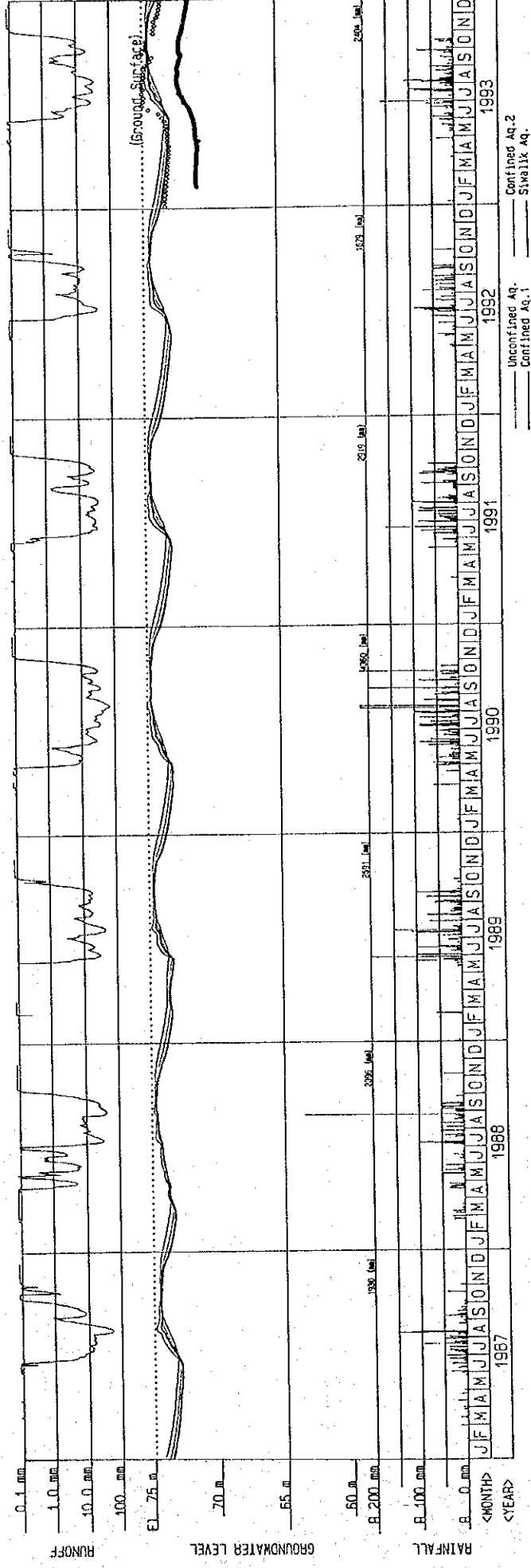
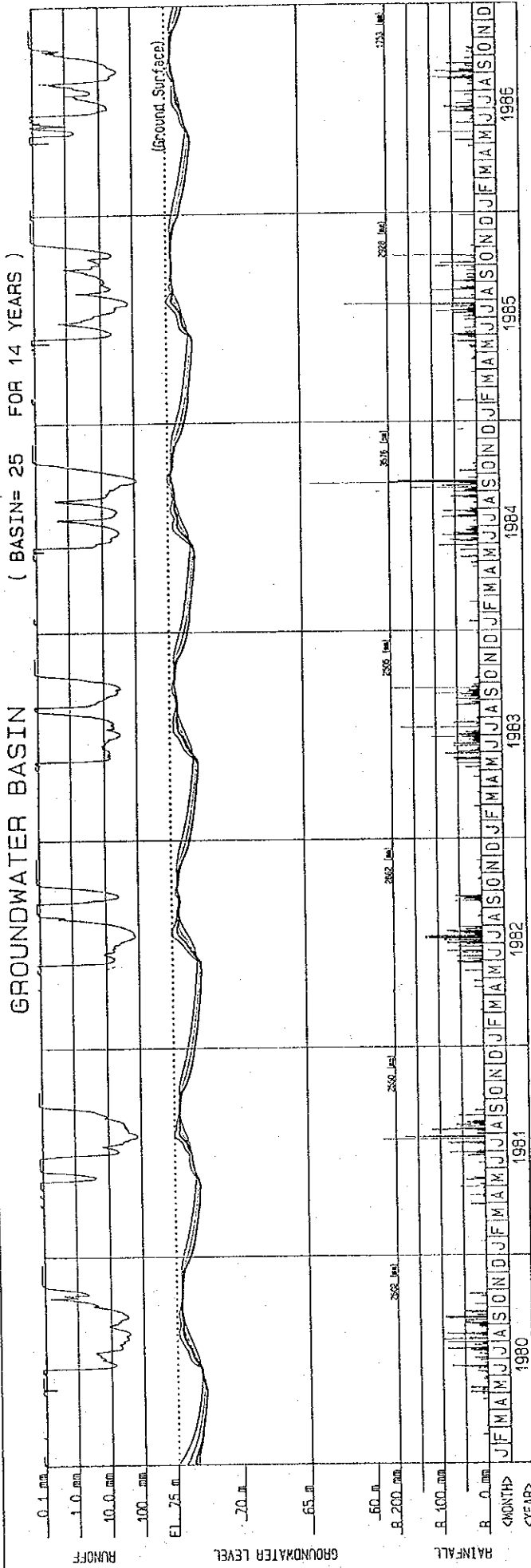
——— Unconfined Aq. 2  
 ——— Confined Aq. 1  
 ——— Confined Aq. 2  
 ——— Si-vajik Aq.

GROUNDWATER BASIN ( BASIN= 24 FOR 14 YEARS )

GROUNDWATER BASIN



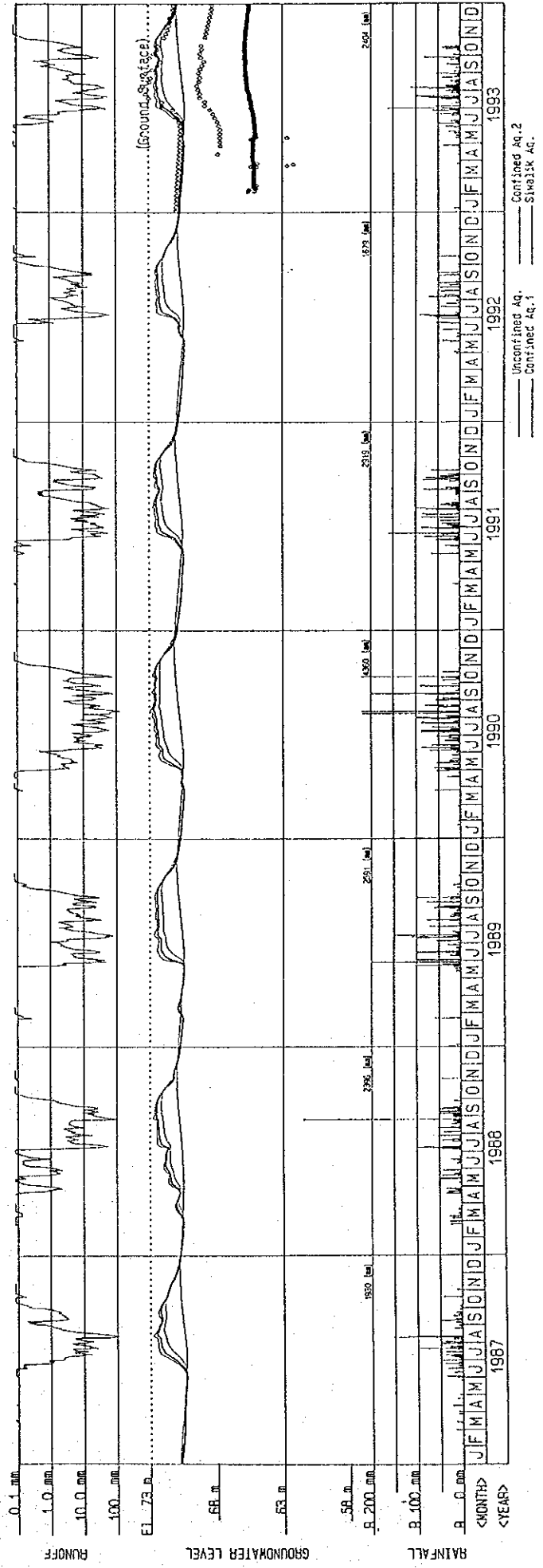
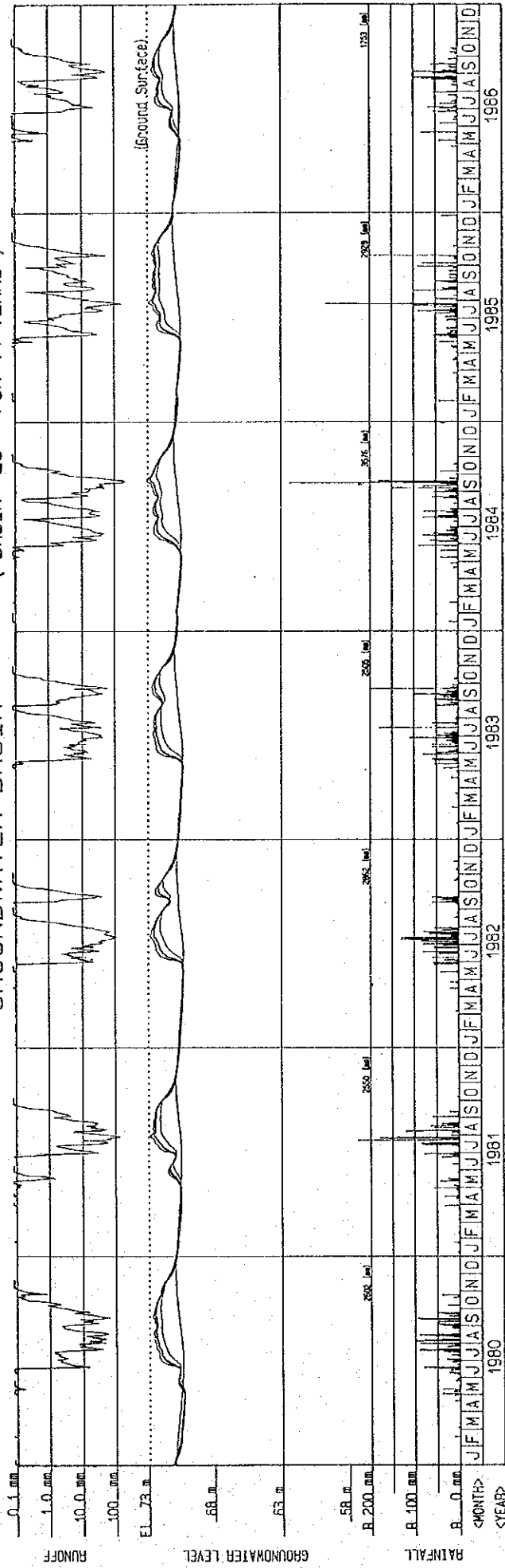
GROUNDWATER BASIN ( BASIN= 25 FOR 14 YEARS )



Confined Aq. 2  
Shallow Aq.

Unconfined Aq.  
Confined Aq. 1

GROUNDWATER BASIN ( BASIN= 26 FOR 14 YEARS )

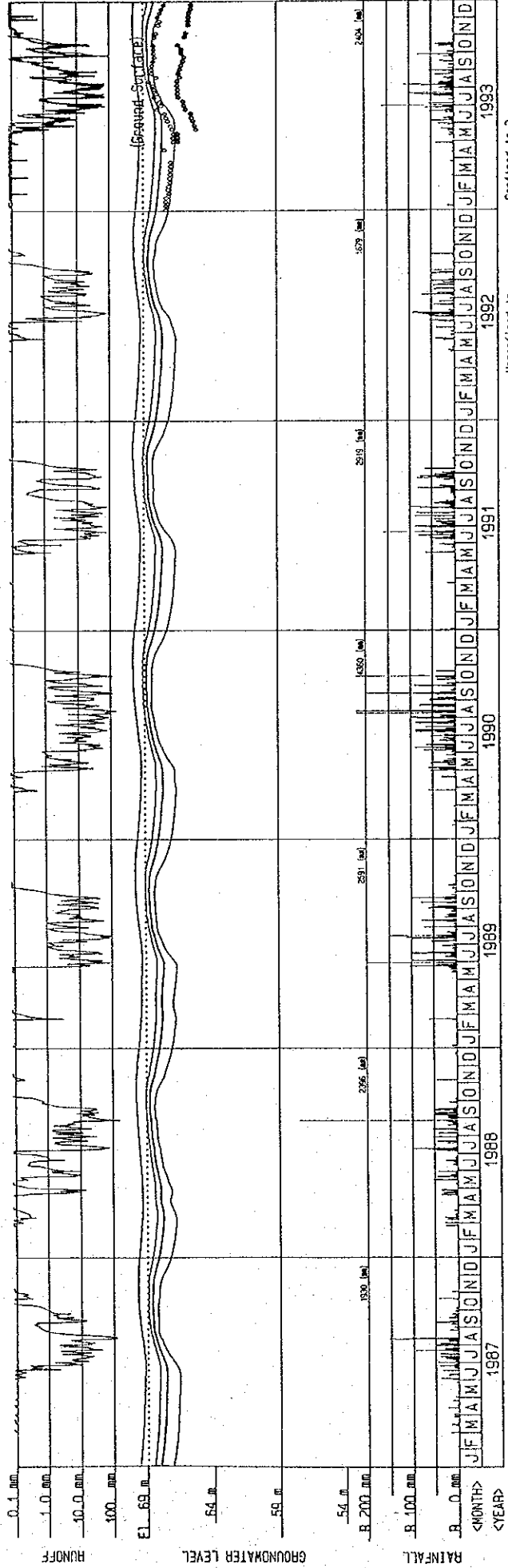
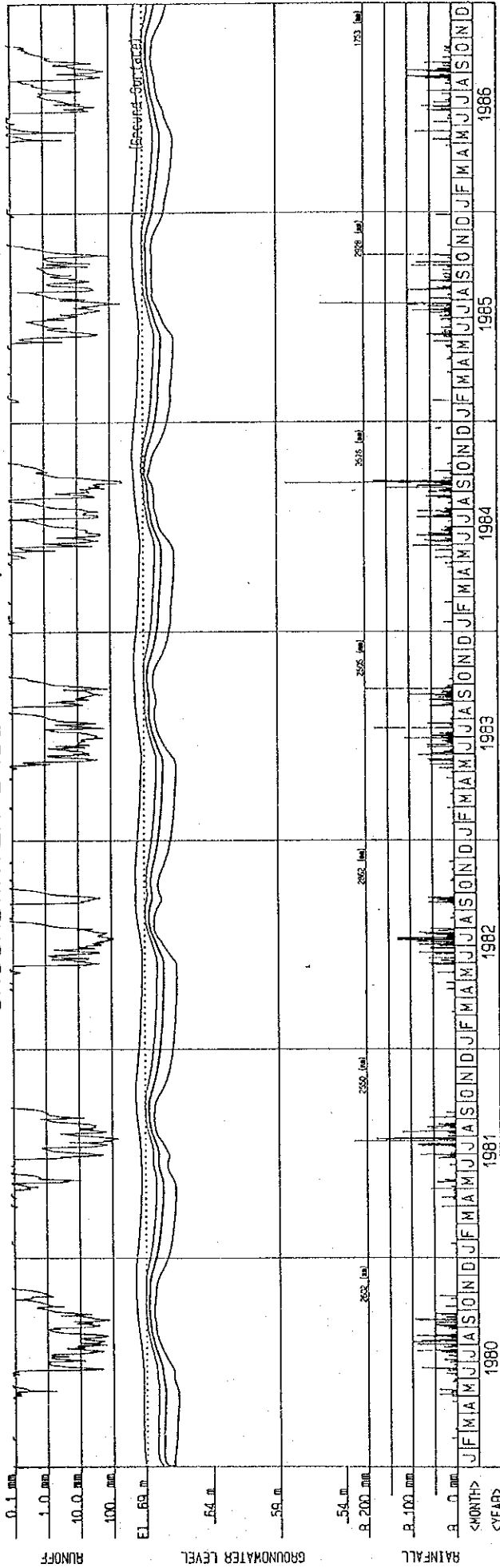


Unconfined Aq. 1  
 Confined Aq. 2  
 Simvalik Aq.



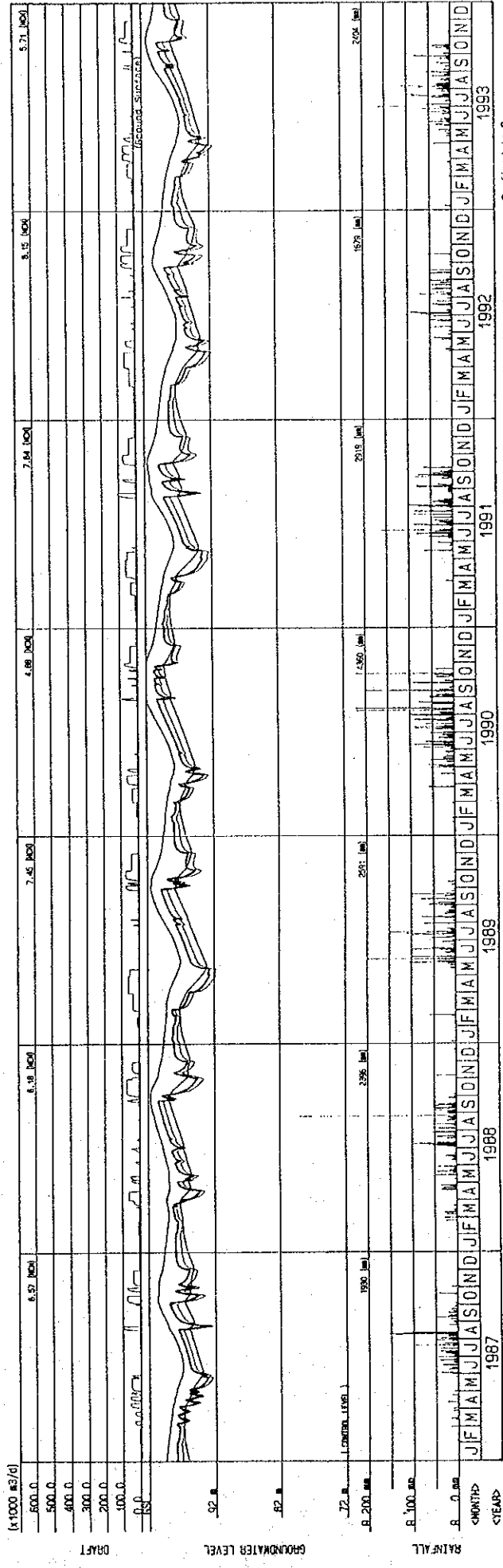
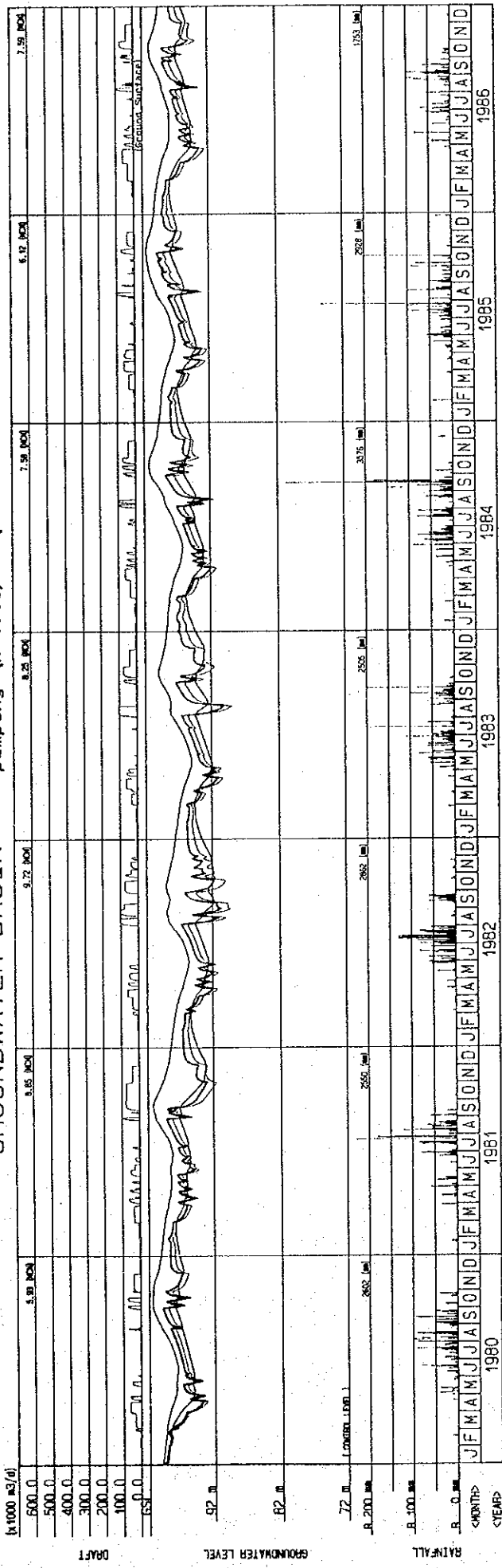
# GROUNDWATER BASIN

( BASIN = 27 FOR 14 YEARS )



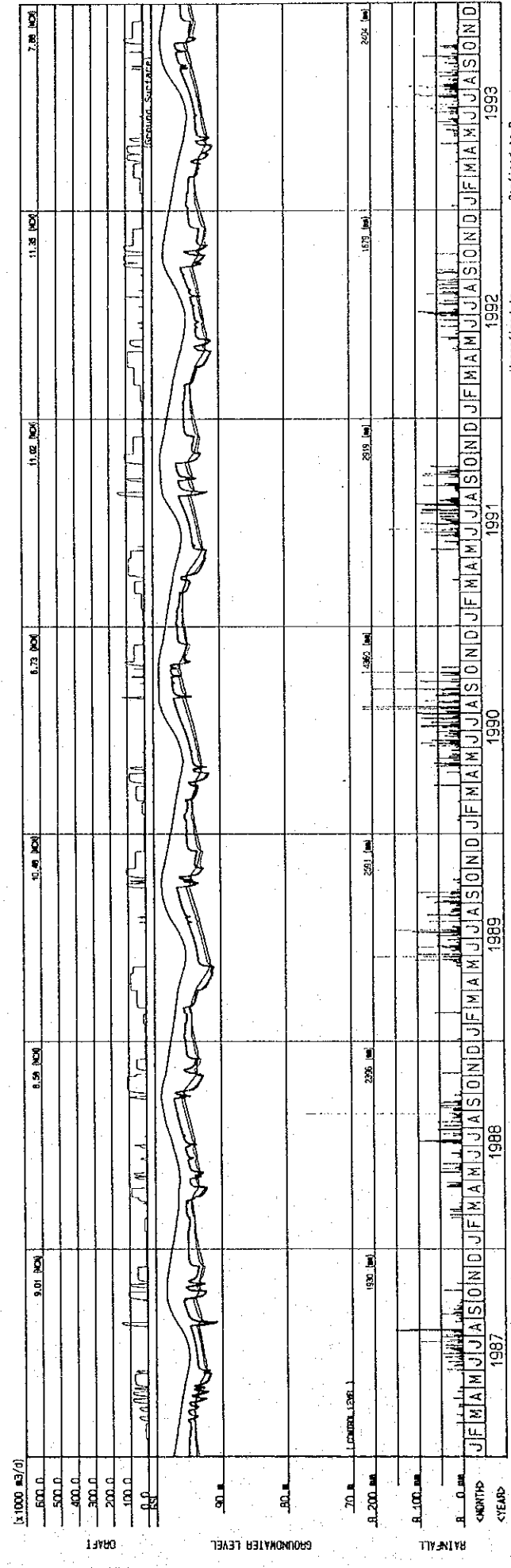
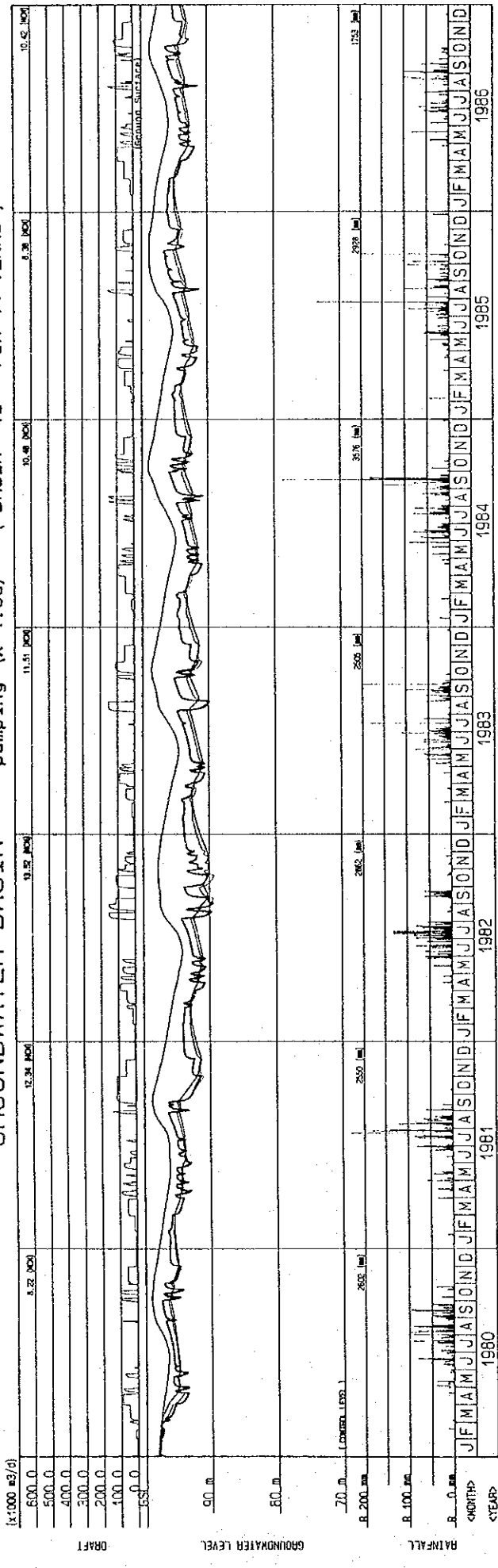
Unconfined Aq. 2  
 Confined Aq. 1  
 Unconfined Aq. 1  
 Confined Aq. 2

(3) Groundwater Sub-basins <Under Draft> GROUNDWATER BASIN -pumping (x 1.00)- ( BASIN= 15 FOR 14 YEARS )



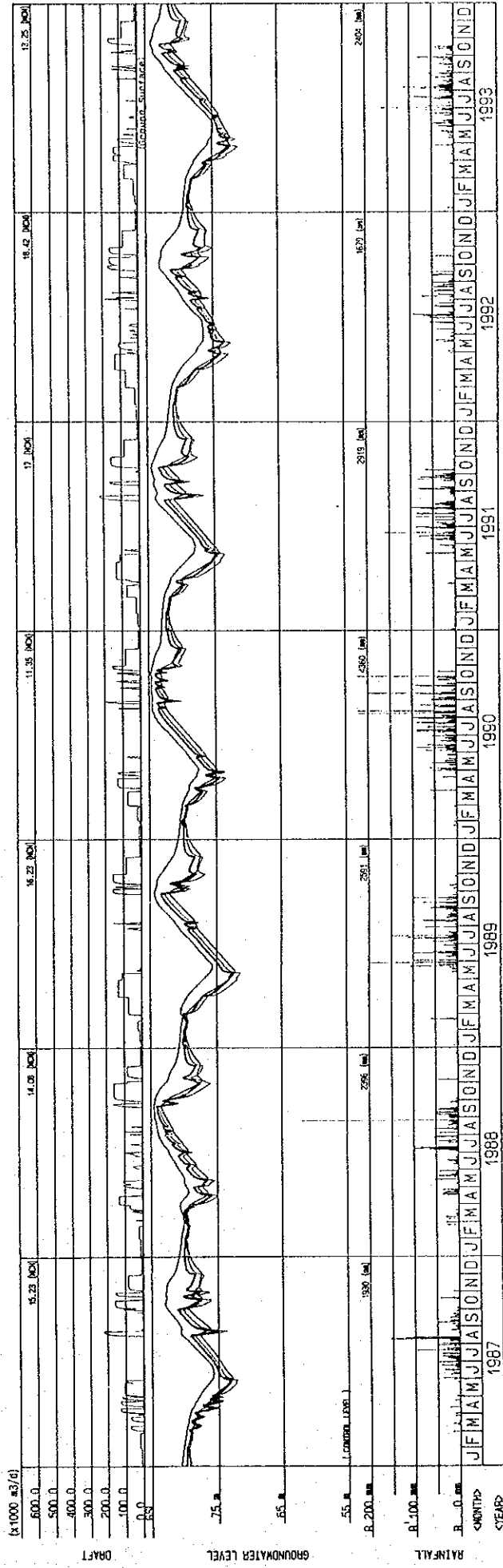
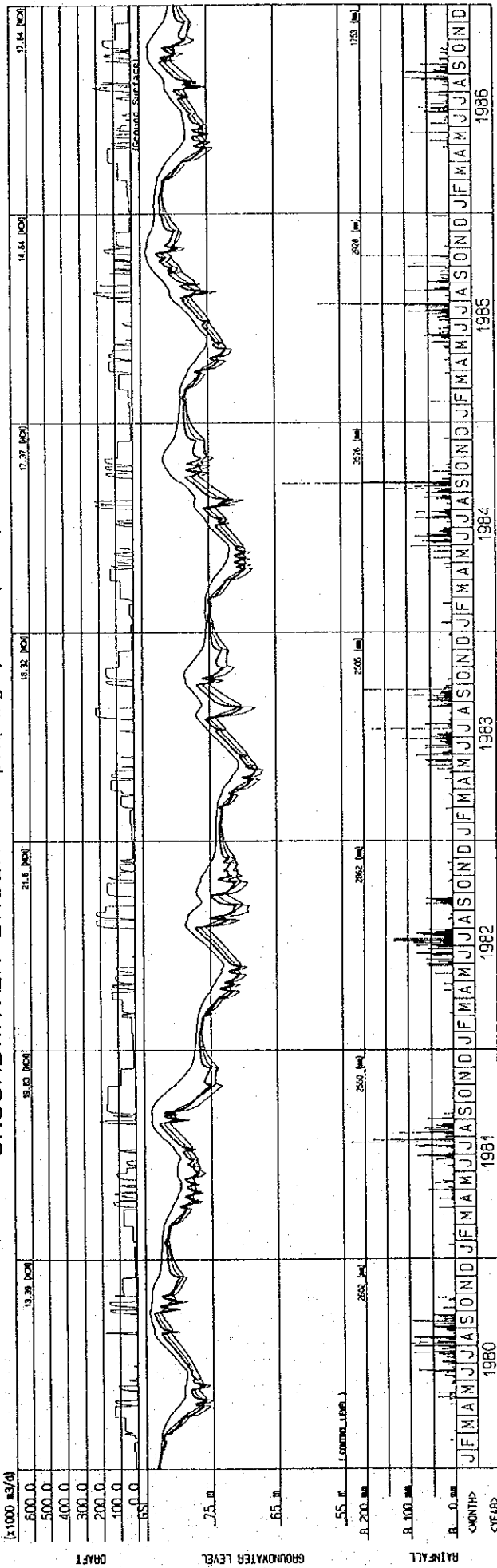
----- Unconfined Aq.  
 ----- Confined Aq.1

GROUNDWATER BASIN -pumping (x 1.00) - ( BASIN= 16 FOR 14 YEARS )



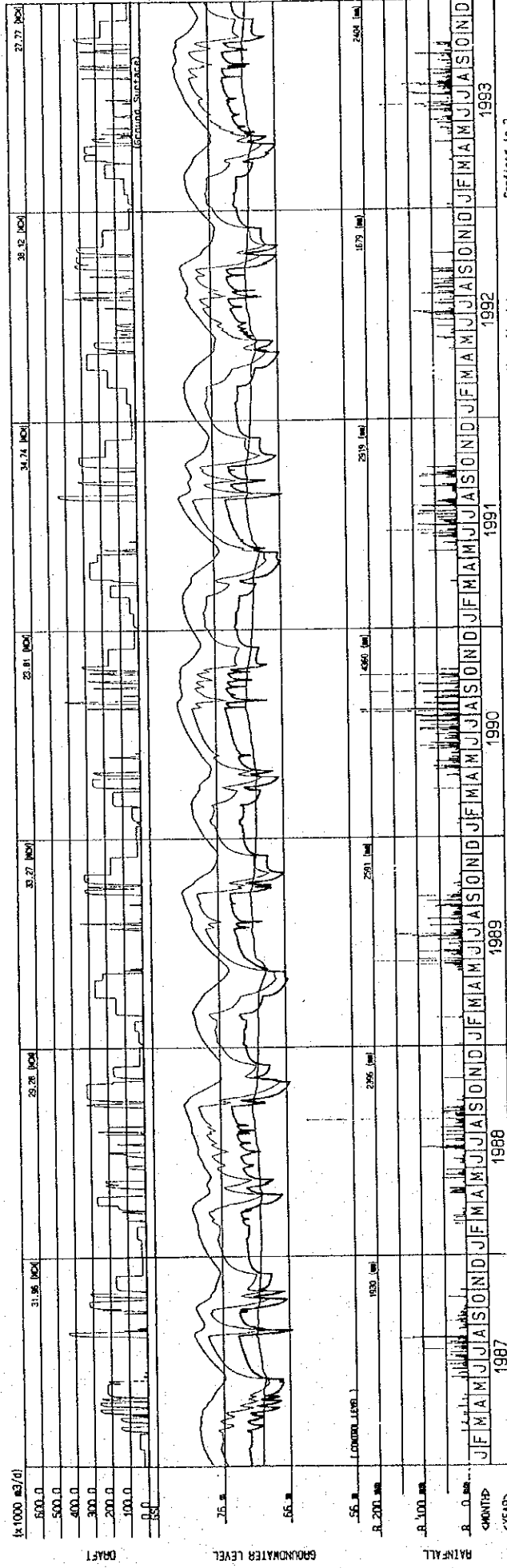
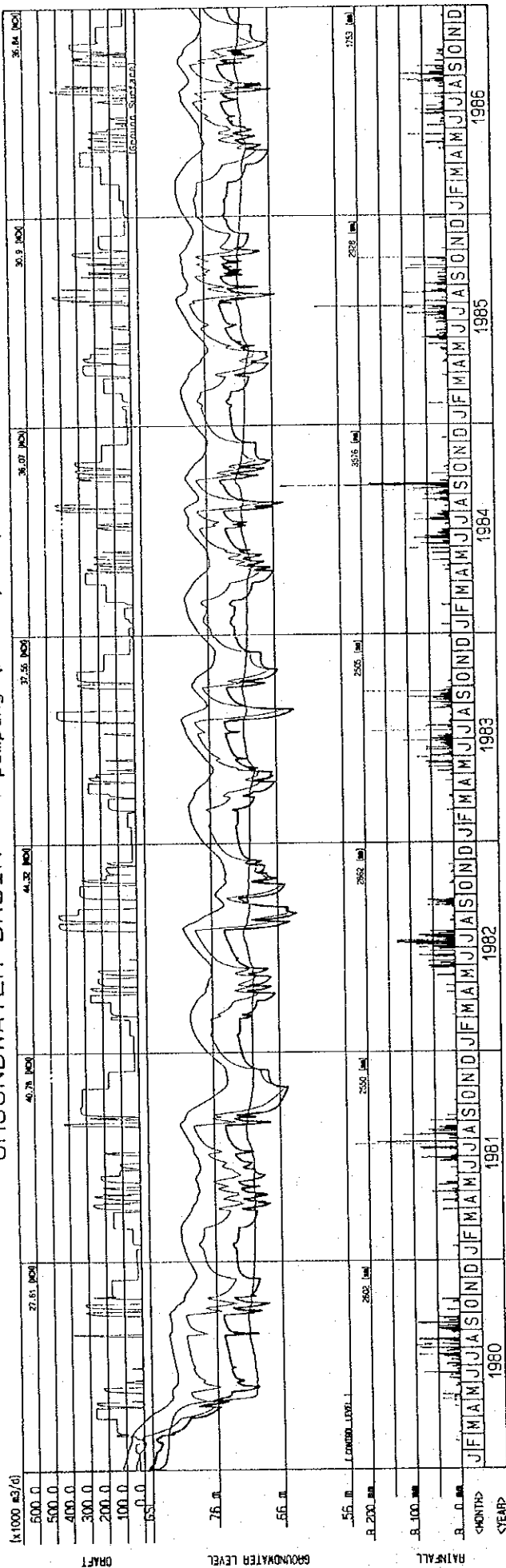
Unconfined Aq. 2  
 Confined Aq. 1

GROUNDWATER BASIN -pumping (x 1.00) - ( BASIN= 20 FOR 14 YEARS )



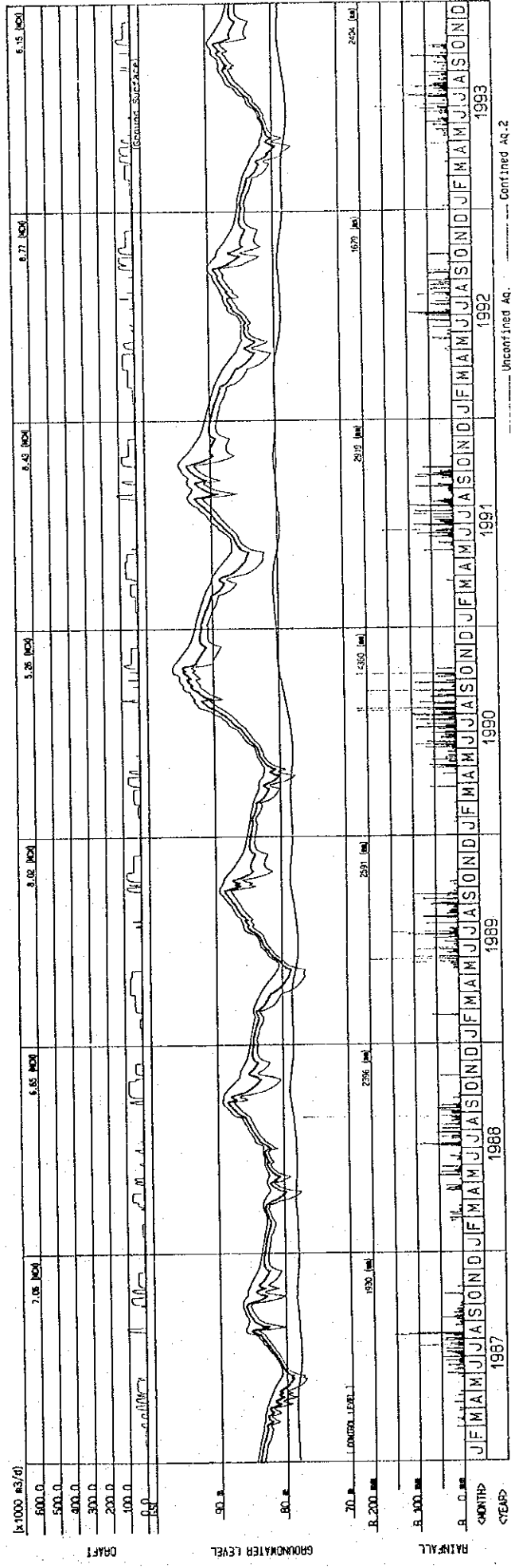
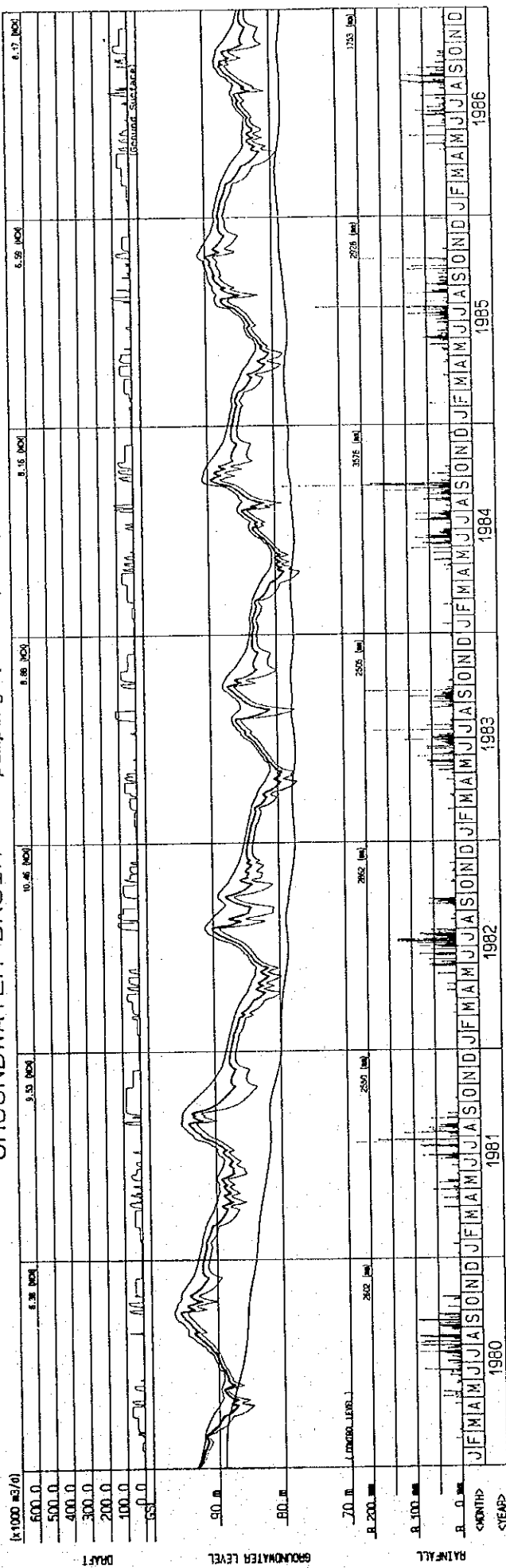
--- Unconfined Aq.  
 - - - - - Confined Aq. 1  
 - - - - - Confined Aq. 2  
 - - - - - S.W.E.I.R. Aq.

GROUNDWATER BASIN -pumping (x 1.00) - ( BASIN= 21 FOR 14 YEARS )

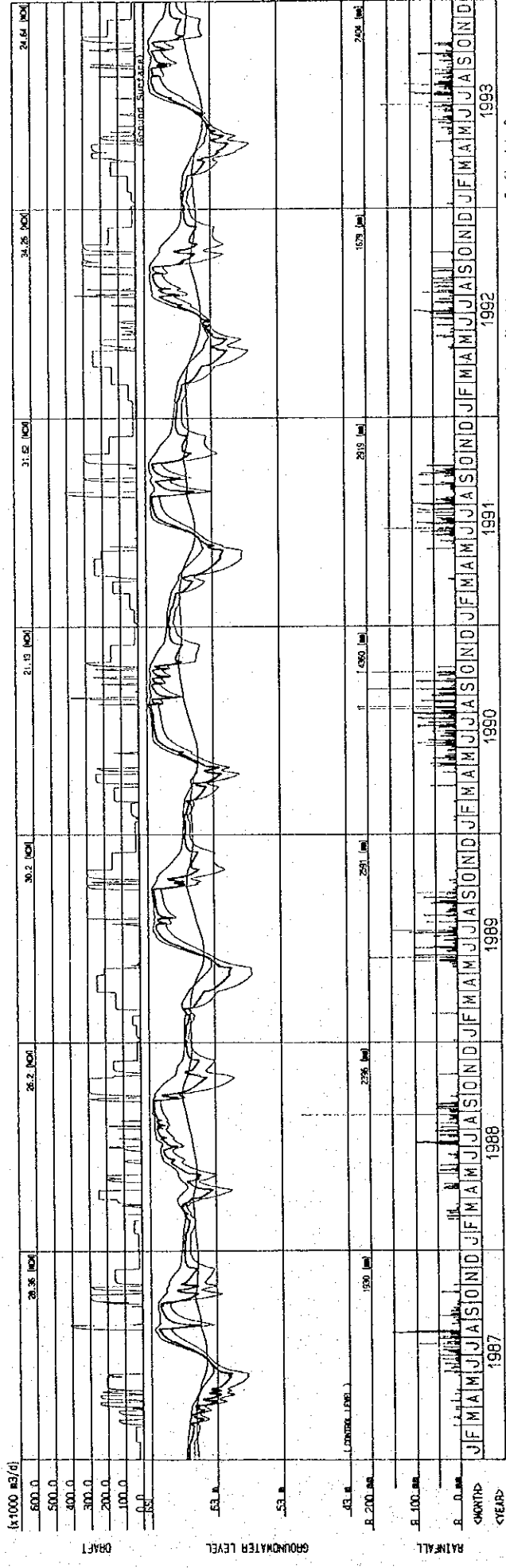
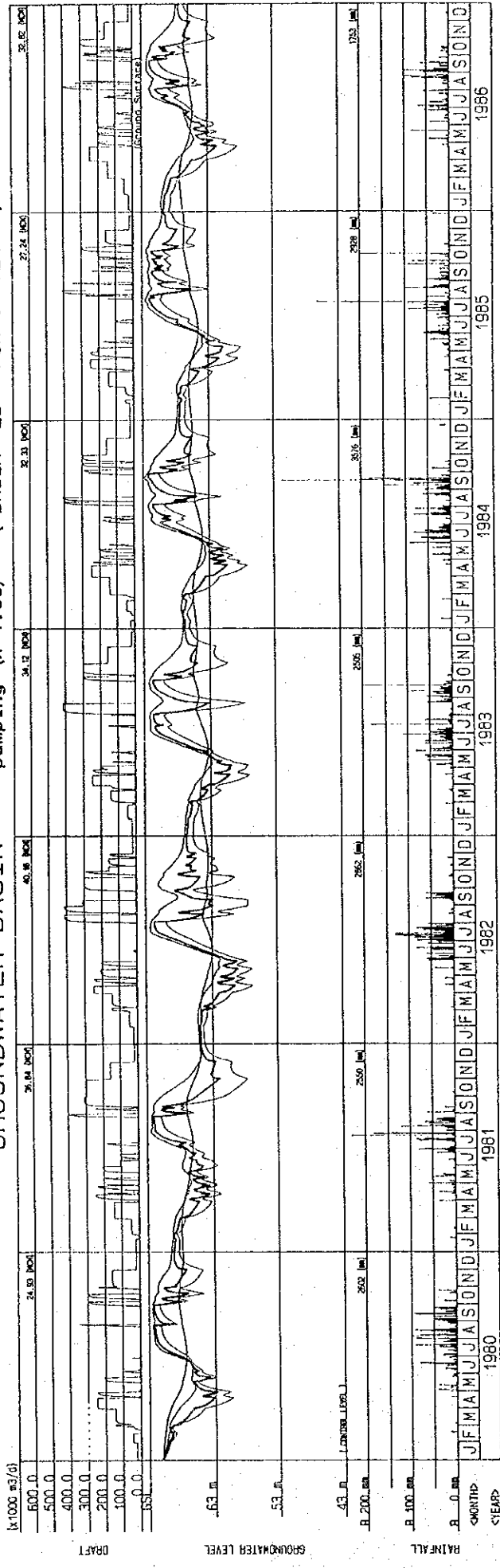


--- Unconfined Aq. 2  
 --- Confined Aq. 1  
 --- St. Louis Aq.

GROUNDWATER BASIN - pumping (x 1.00) - ( BASIN= 23 FOR 14 YEARS )

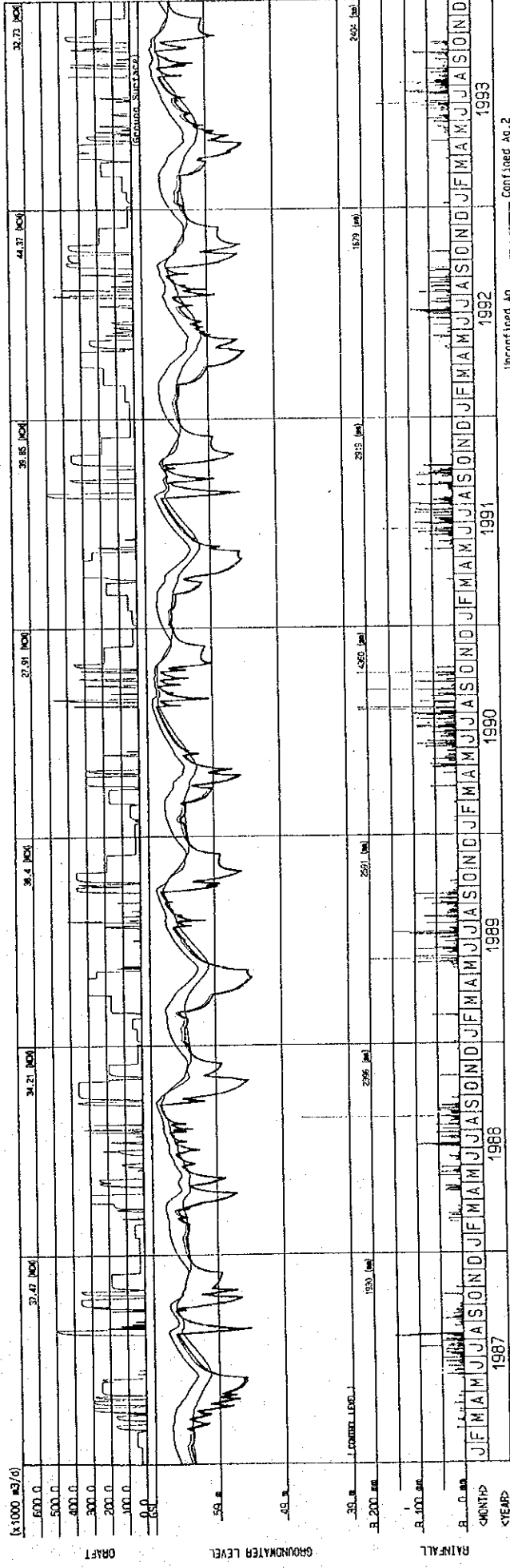
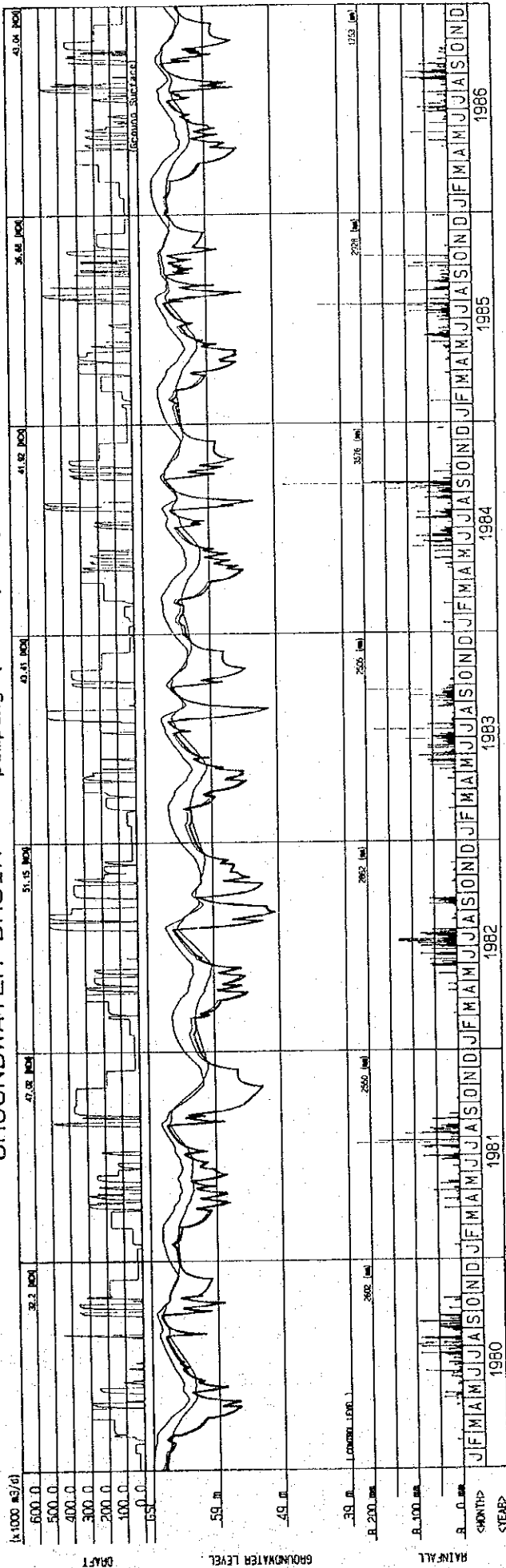


GROUNDWATER BASIN -pumping (x 1.00) - ( BASIN= 26 FOR 14 YEARS )



--- Unconfined Aq. 2  
 --- Confined Aq. 1  
 --- Confined Aq. 2  
 --- Shallow Aq.

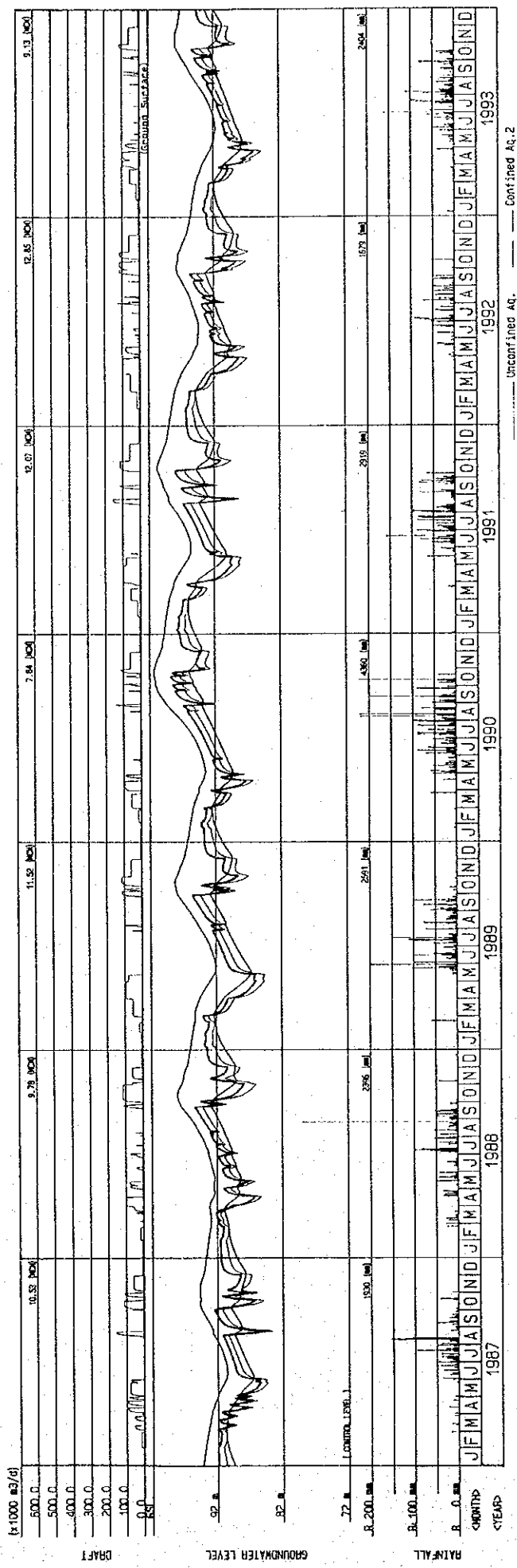
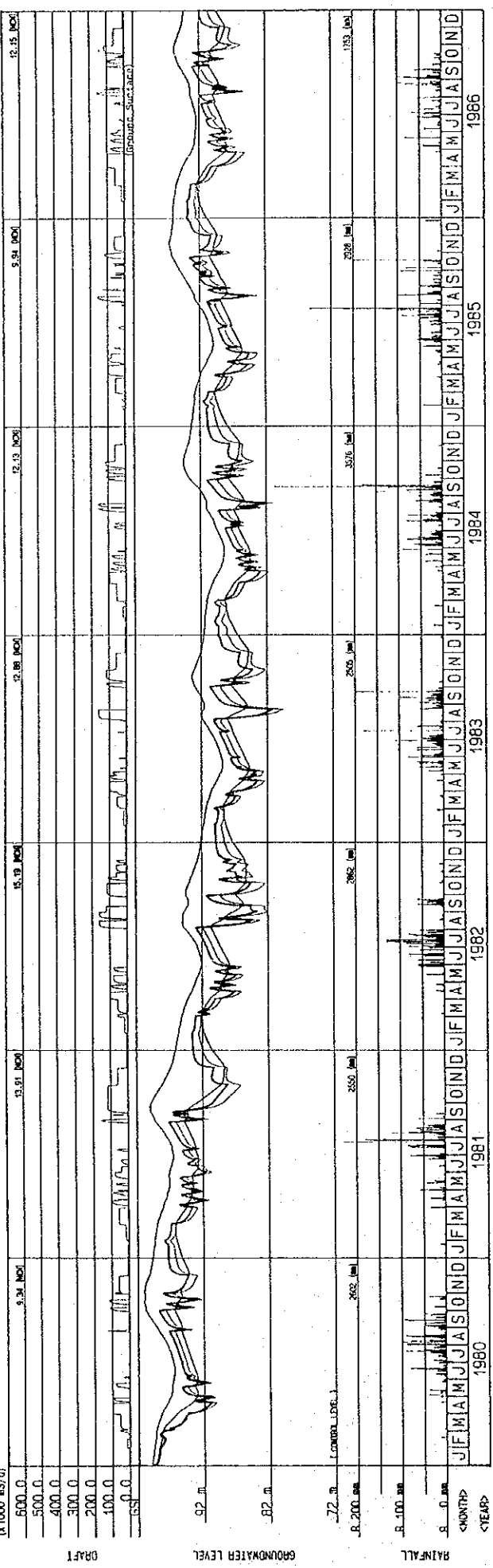
GROUNDWATER BASIN - pumping (x 1.00) - ( BASIN= 27 FOR 14 YEARS )



Unconfined Aq. 2  
 Confined Aq. 1  
 Confined Aq. 2  
 Sphal:K Aq.

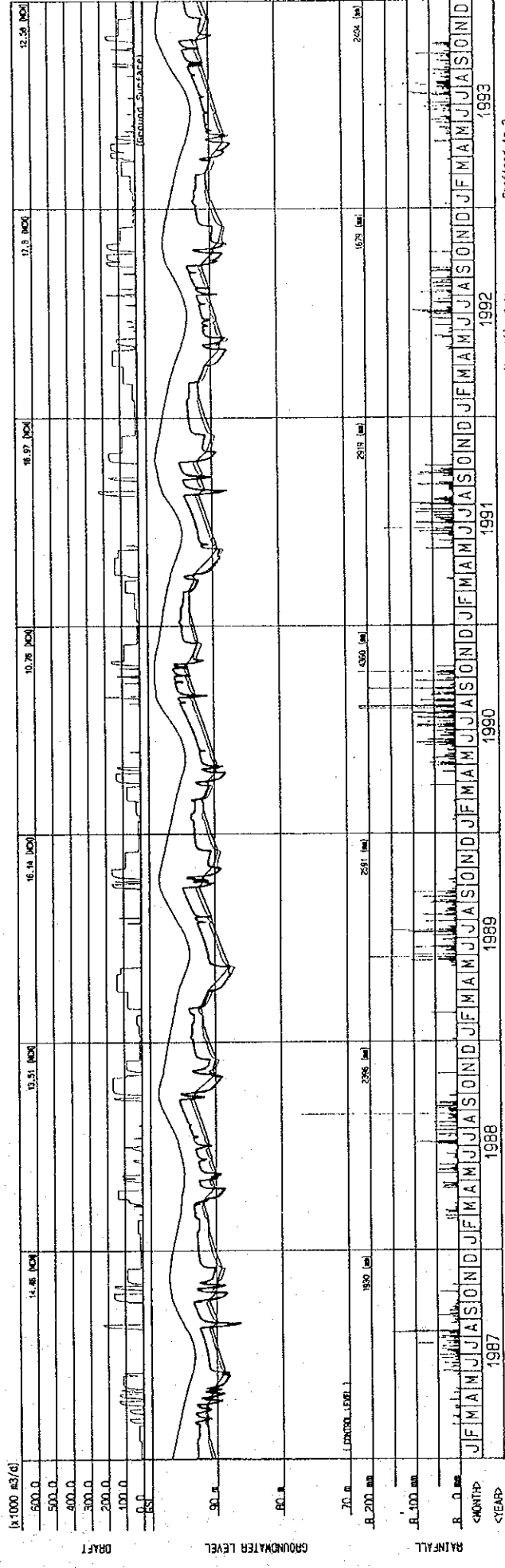
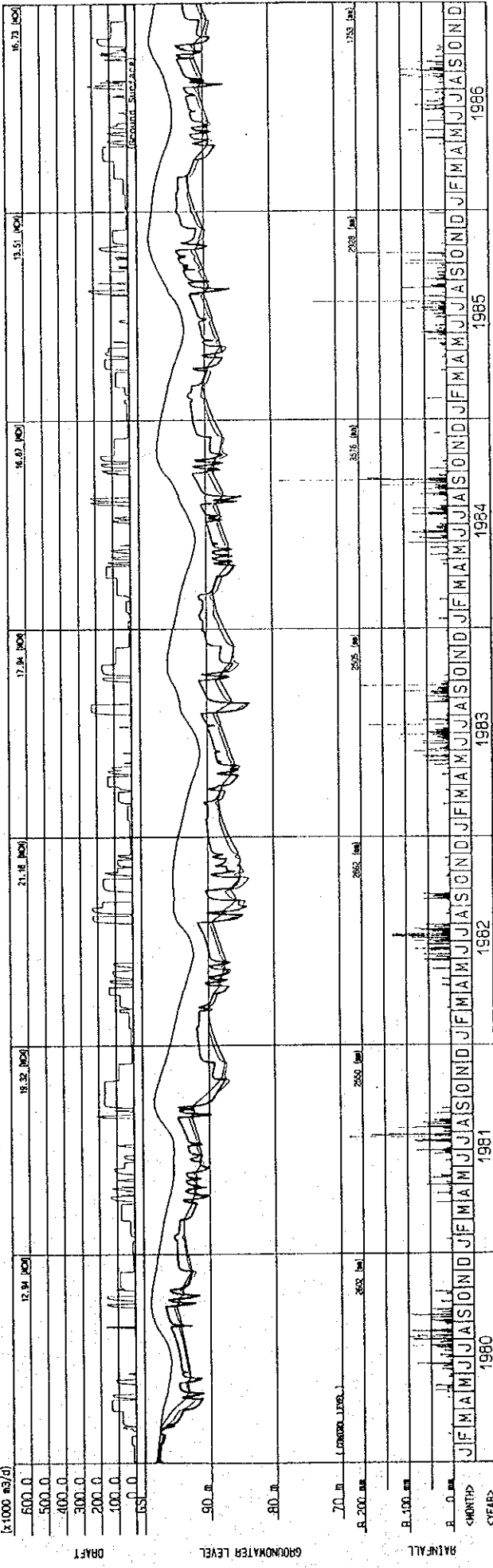


(4) Groundwater Sub-basins <Water Demand x 1.5> GROUNDWATER BASIN -pumping (x 1.50) - ( BASIN= 15 FOR 14 YEARS )



Unconfined Aq. 1  
Unconfined Aq. 2  
Confined Aq. 1  
Confined Aq. 2  
Simult. Aq.

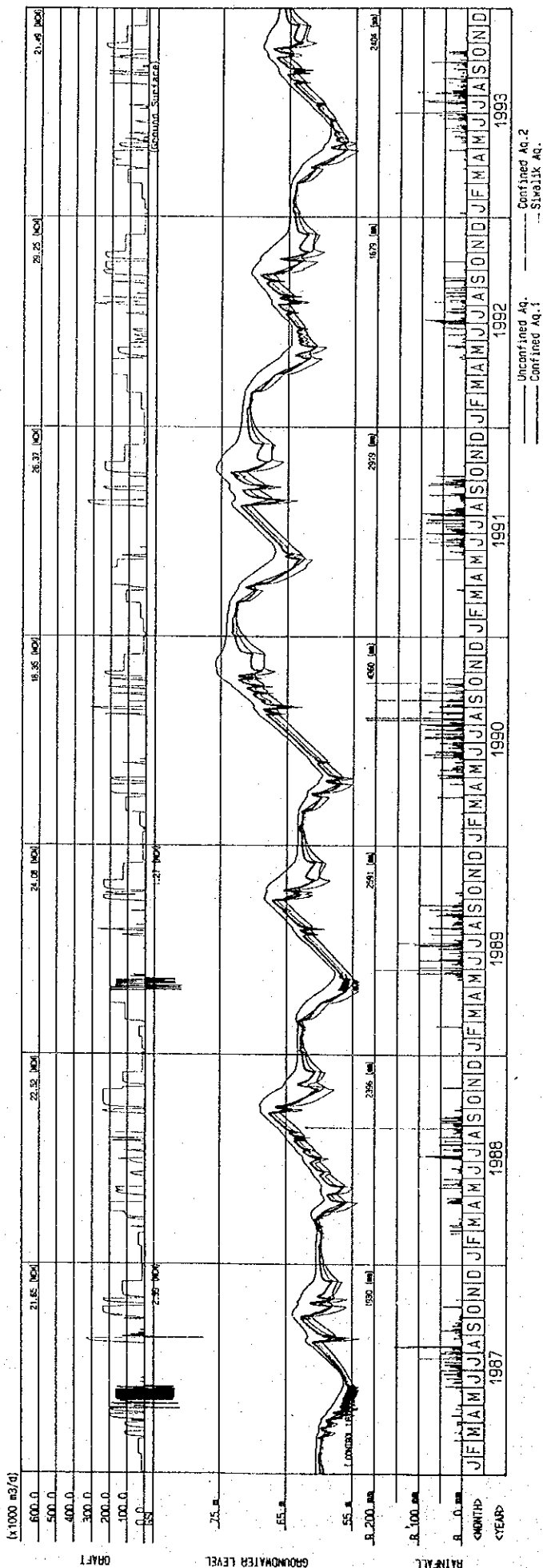
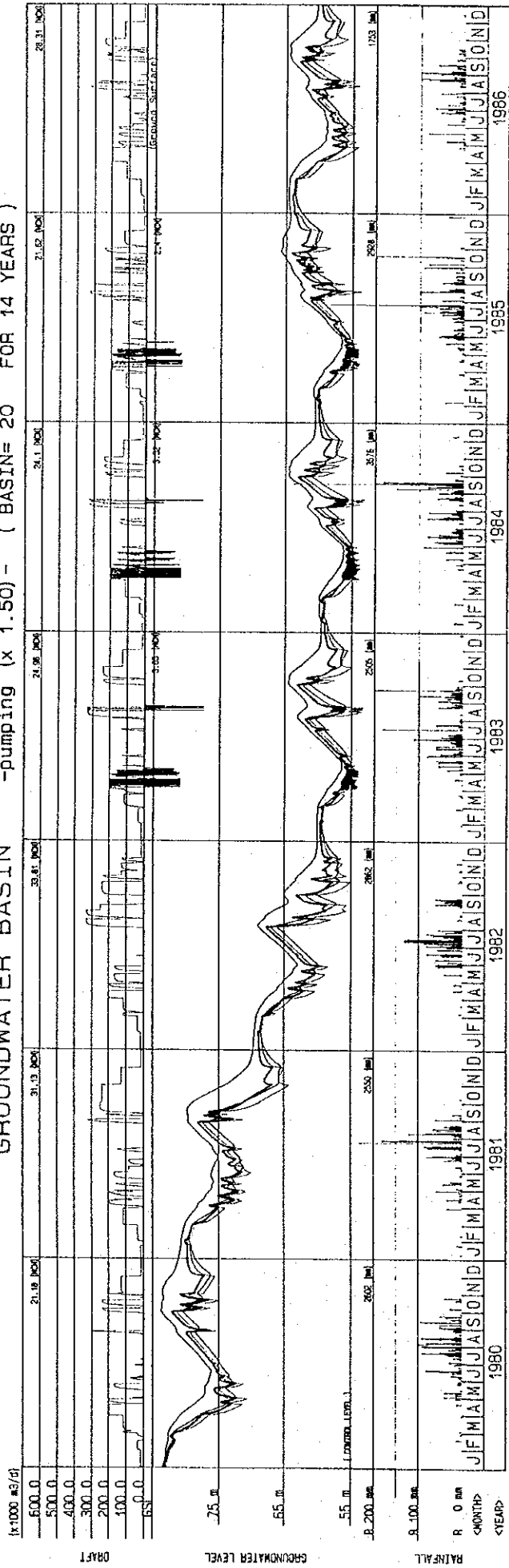
GROUNDWATER BASIN - pumping (x 1.50) - ( BASIN= 16 FOR 14 YEARS )



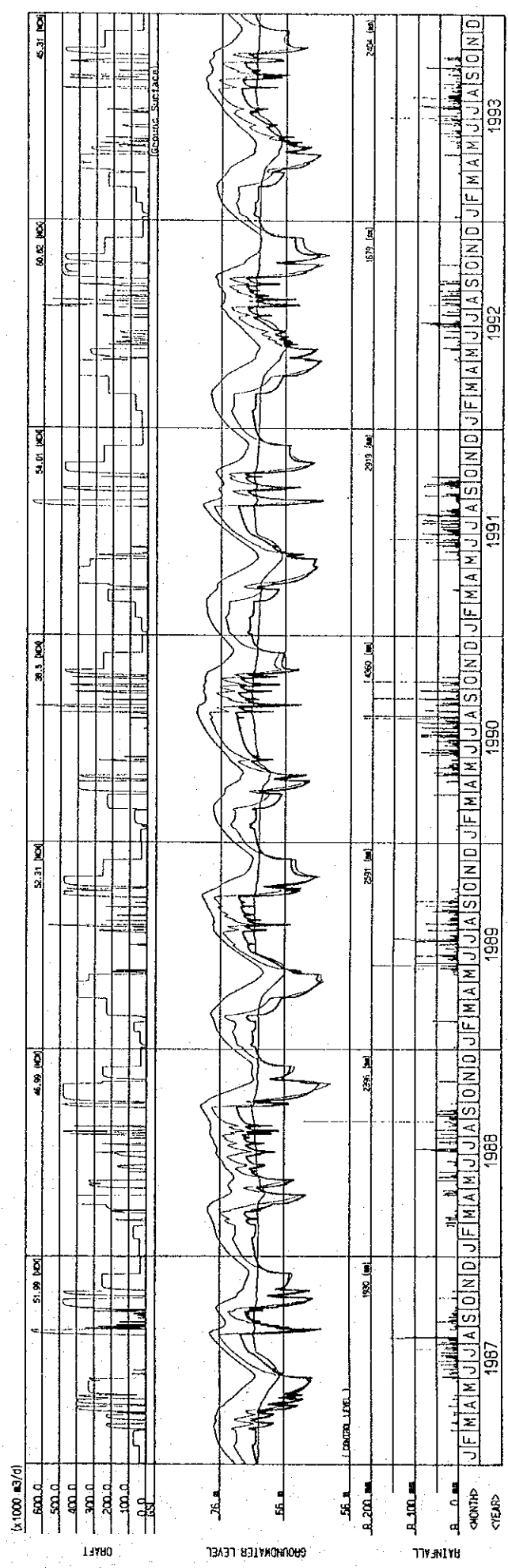
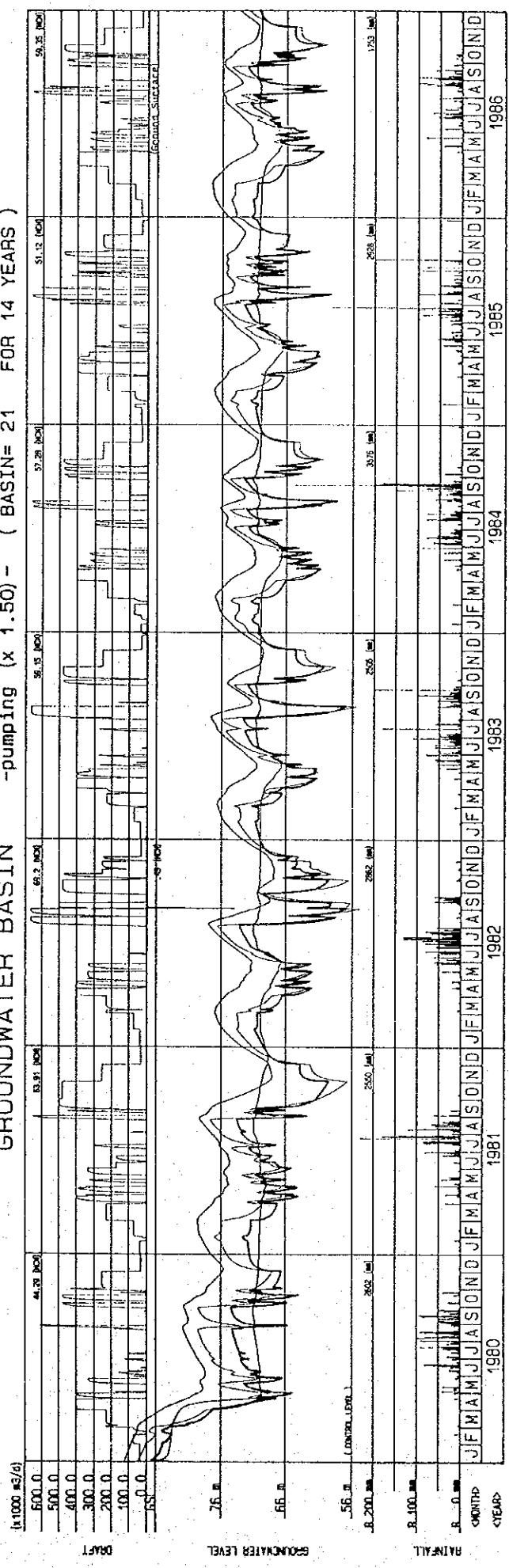
--- Unconfined Aq. 2  
 - - - - - Unconfined Aq. 1  
 - - - - - Confined Aq. 1  
 - - - - - Confined Aq. 2  
 - - - - - S.W.A.L. Aq.

GROUNDWATER BASIN

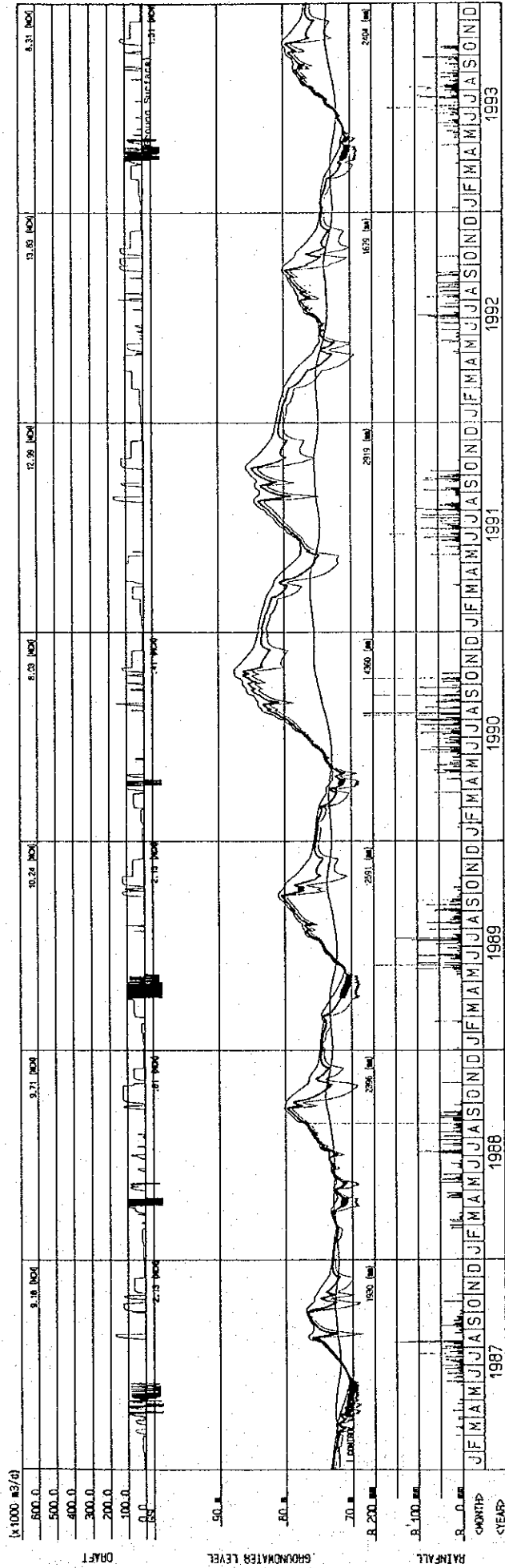
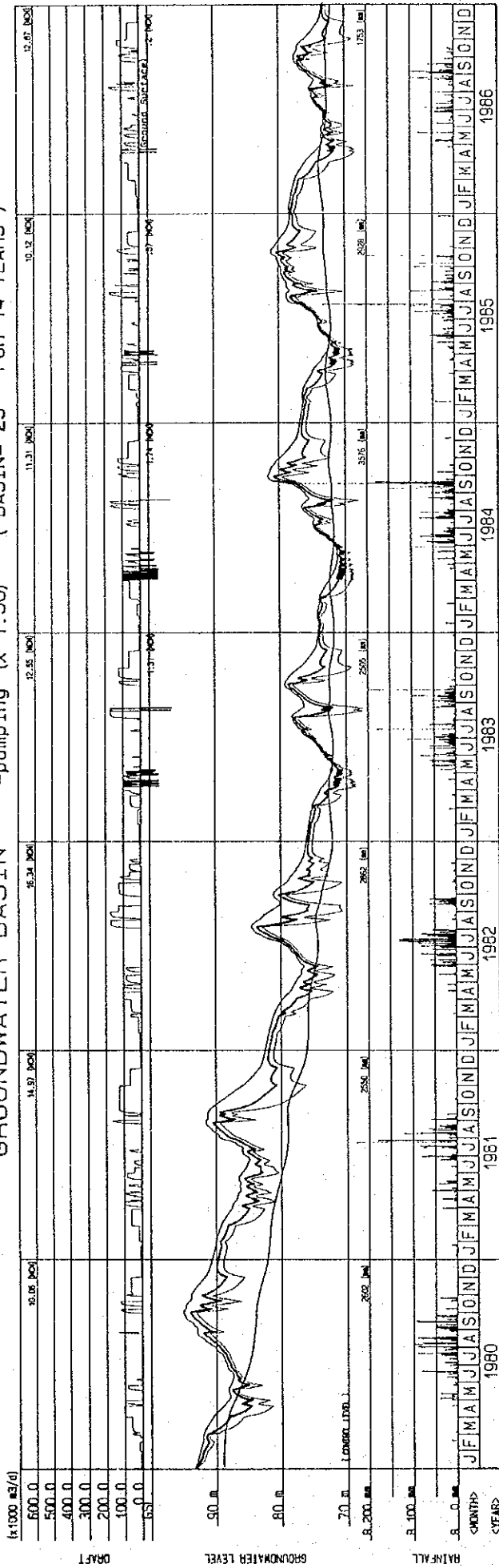
-pumping (x 1.50) - ( BASIN= 20 FOR 14 YEARS )



GROUNDWATER BASIN -pumping (x 1.50) - ( BASIN= 21 FOR 14 YEARS )

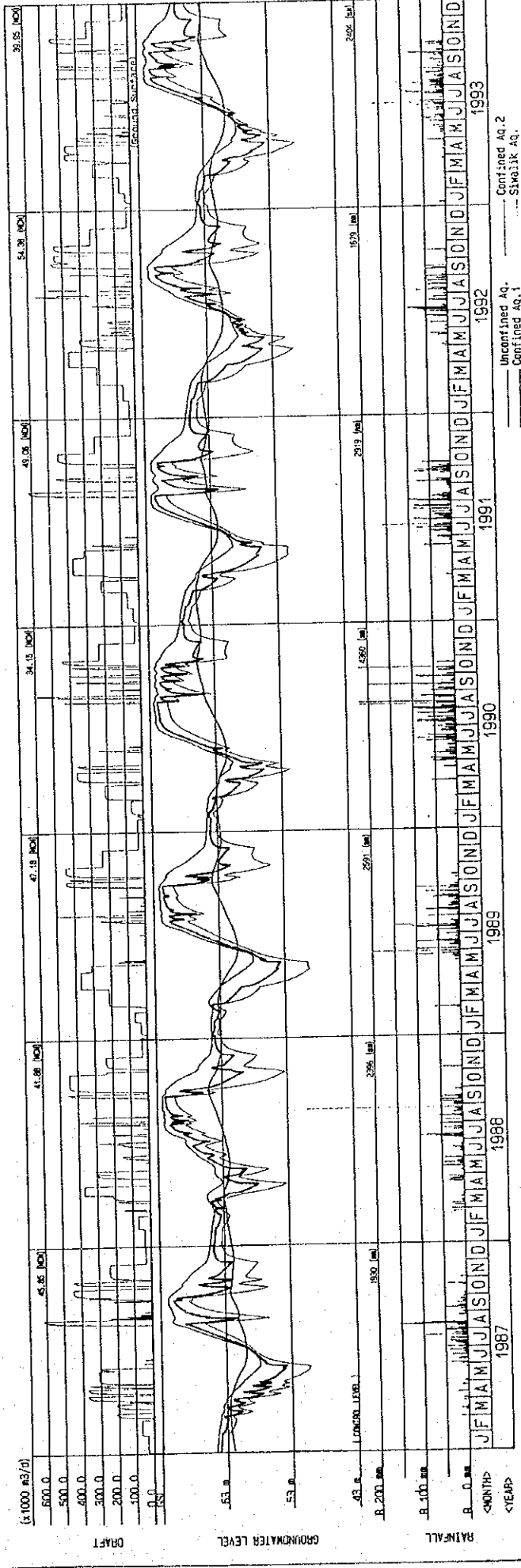
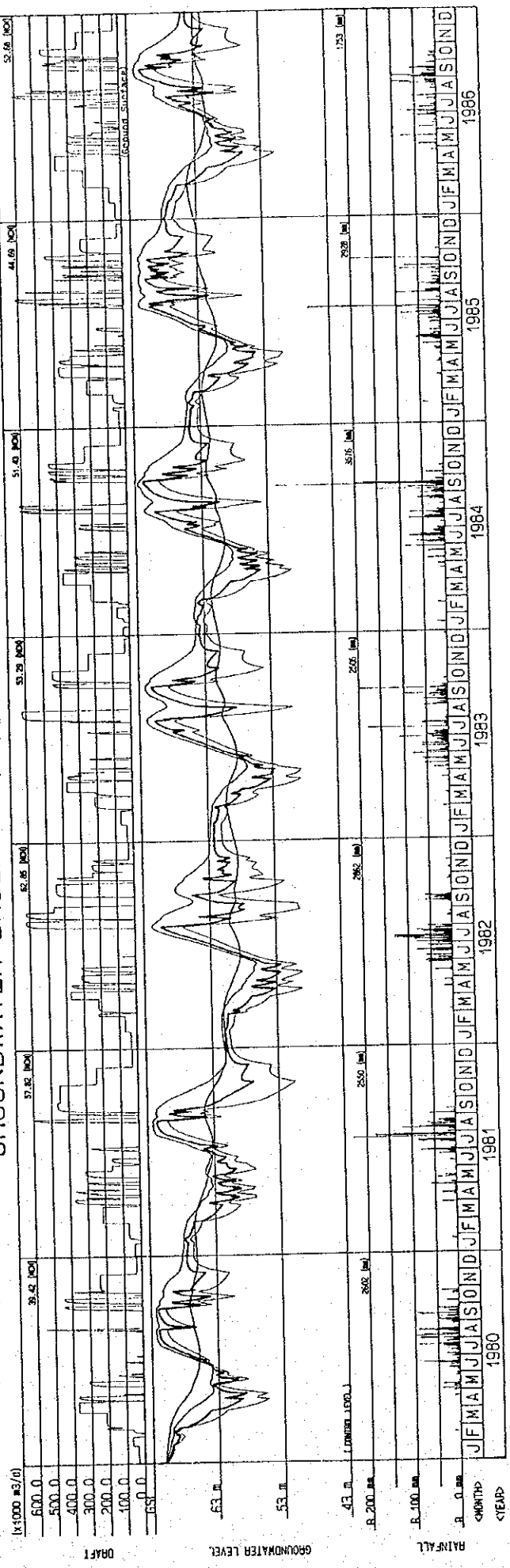


GROUNDWATER BASIN - pumping (x 1.50) - ( BASIN= 23 FOR 14 YEARS )



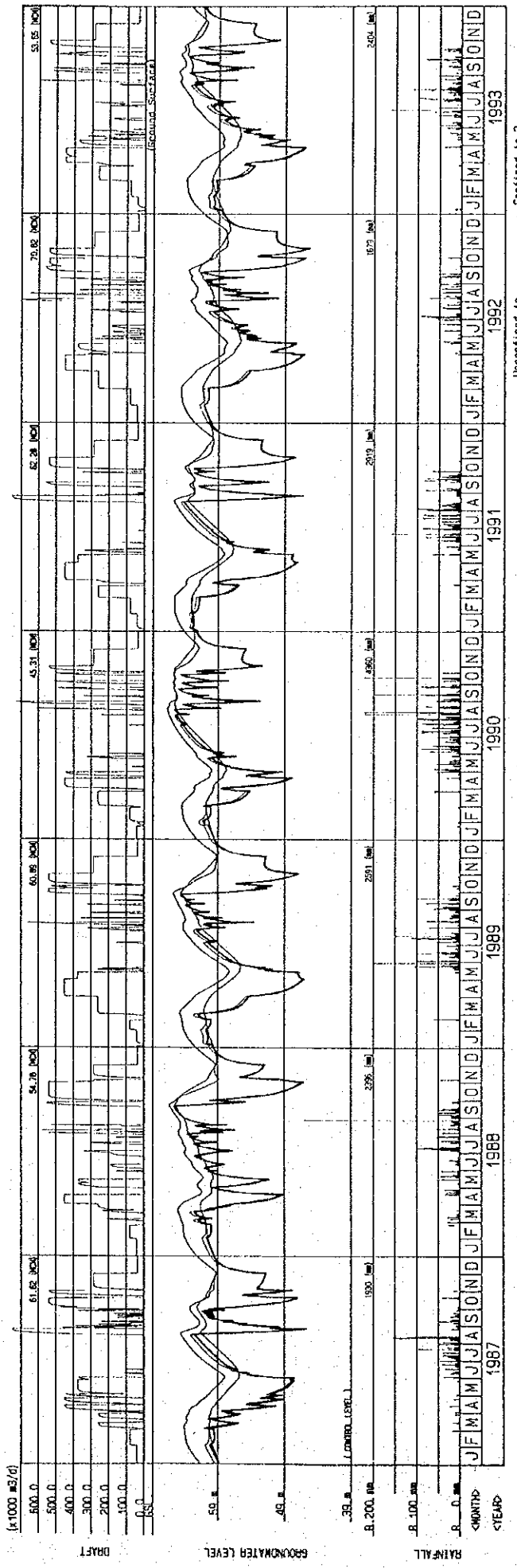
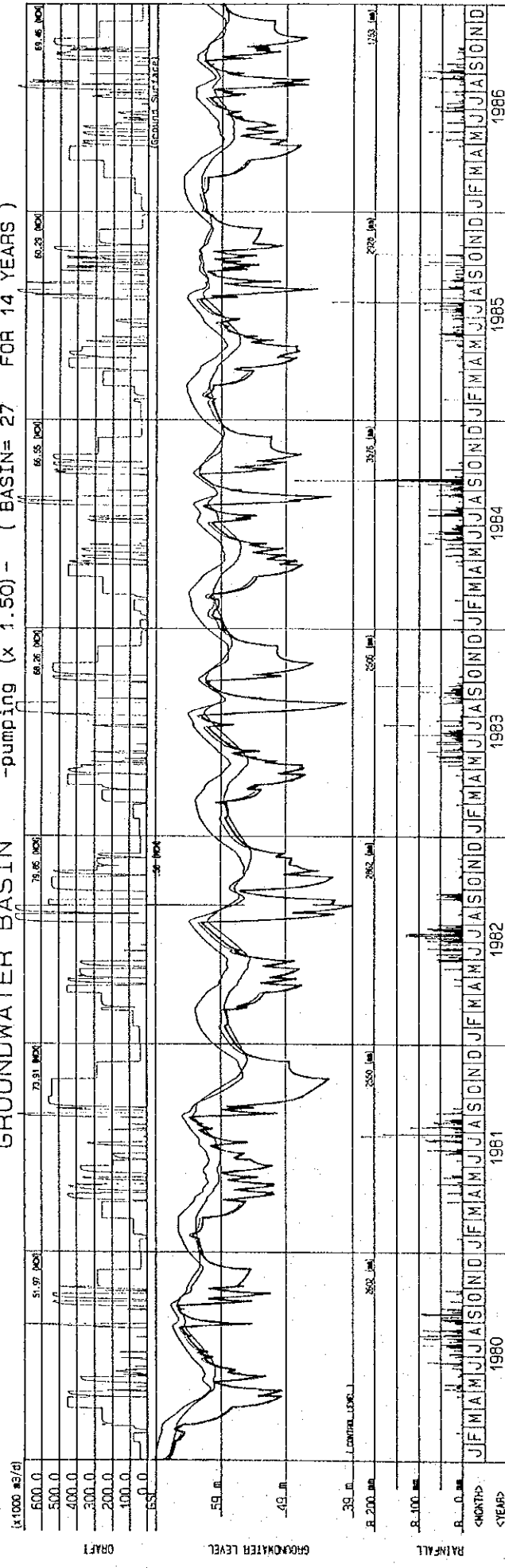
Unconfined Aq. 2  
Unconfined Aq. 1  
Confined Aq. 1  
Saturated Surface

GROUNDWATER BASIN -pumping (x 1.50)- ( BASIN= 26 FOR 14 YEARS )



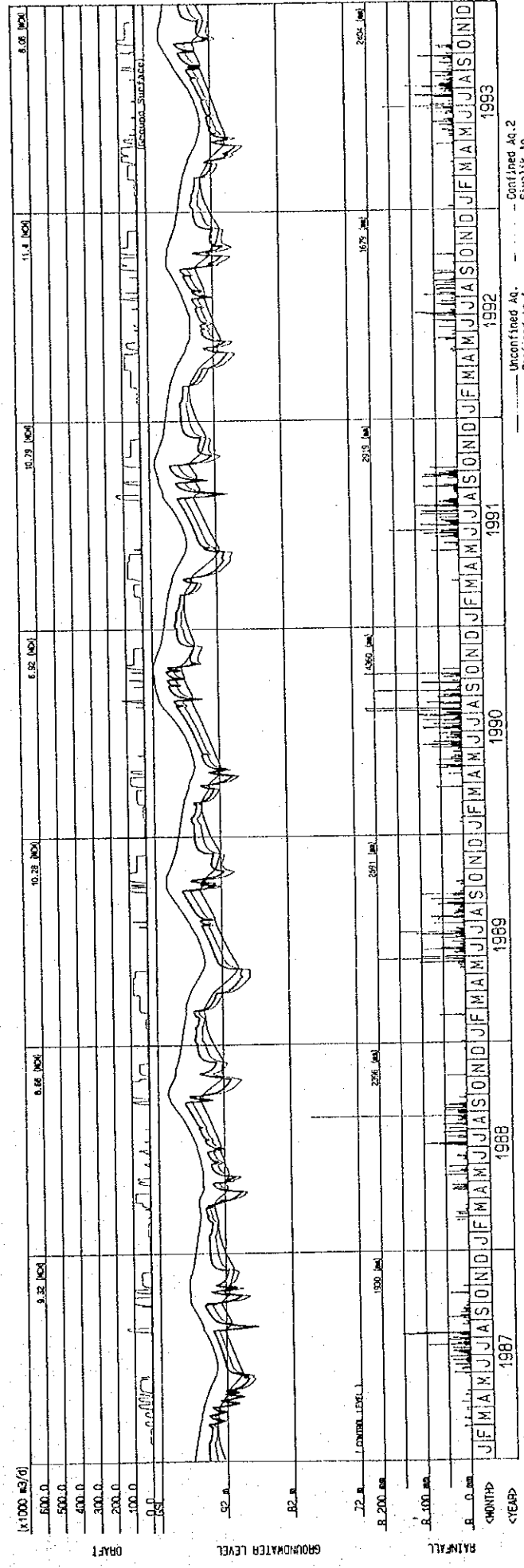
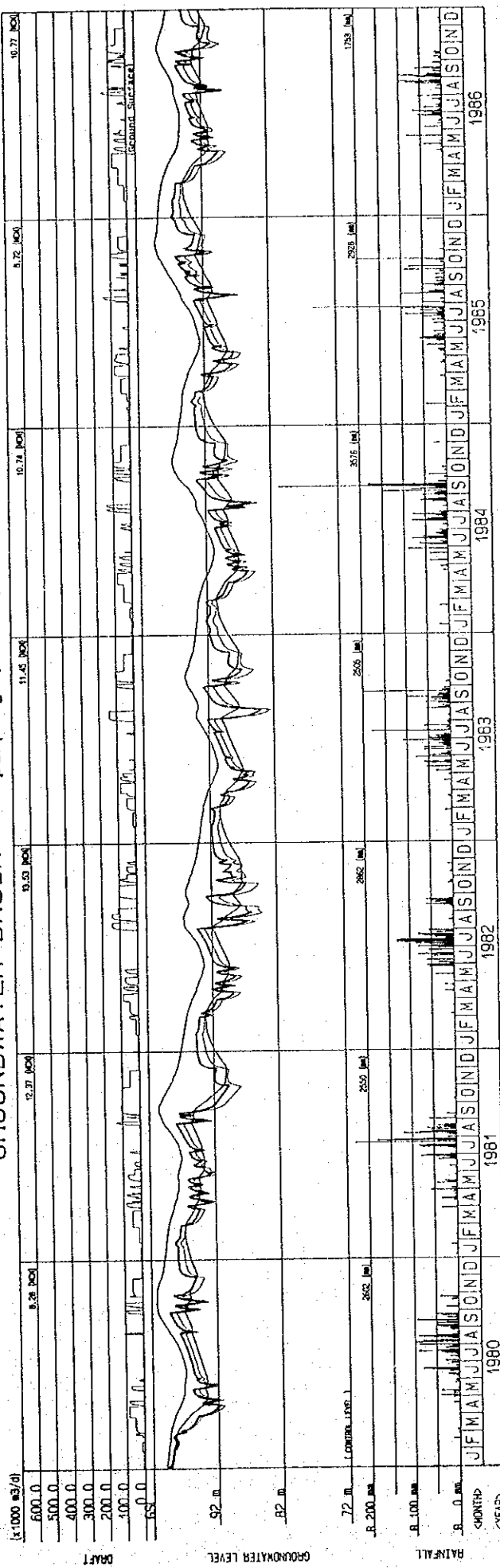
Unconfined Aq. 2  
--- Shaded Aq. 1

GROUNDWATER BASIN -pumping (x 1.50) - ( BASIN= 27 FOR 14 YEARS )



Unconfined Aq. 2  
 Confined Aq. 1  
 Confined Aq. 2  
 Siwaik Aq.

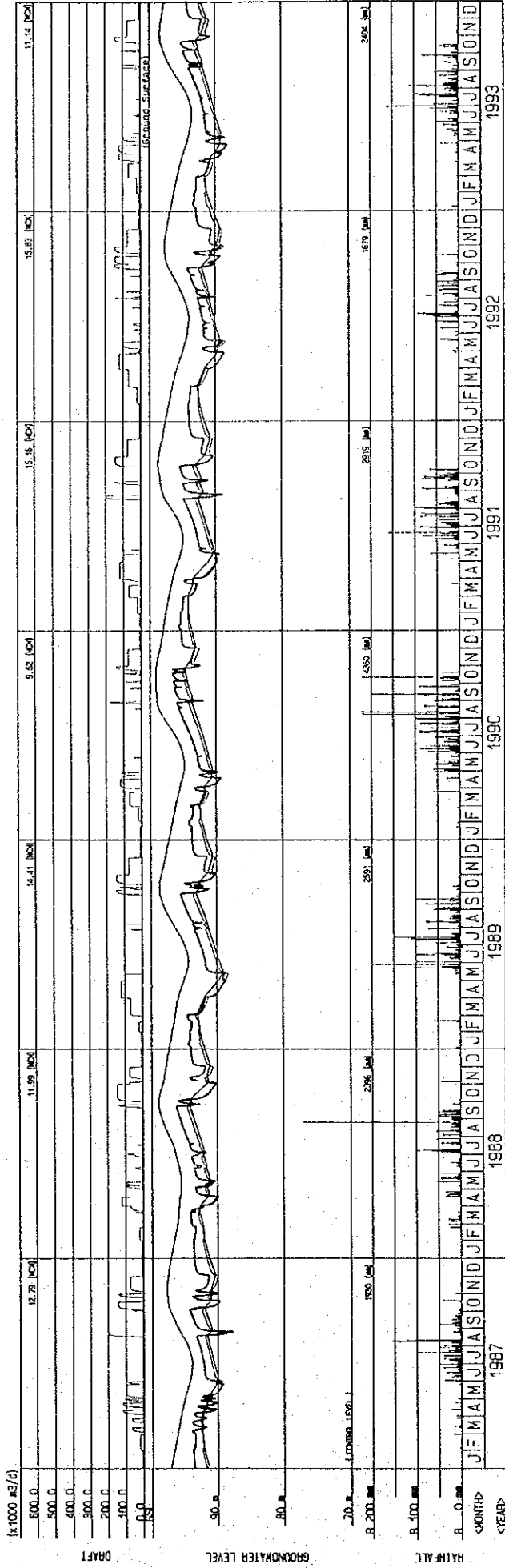
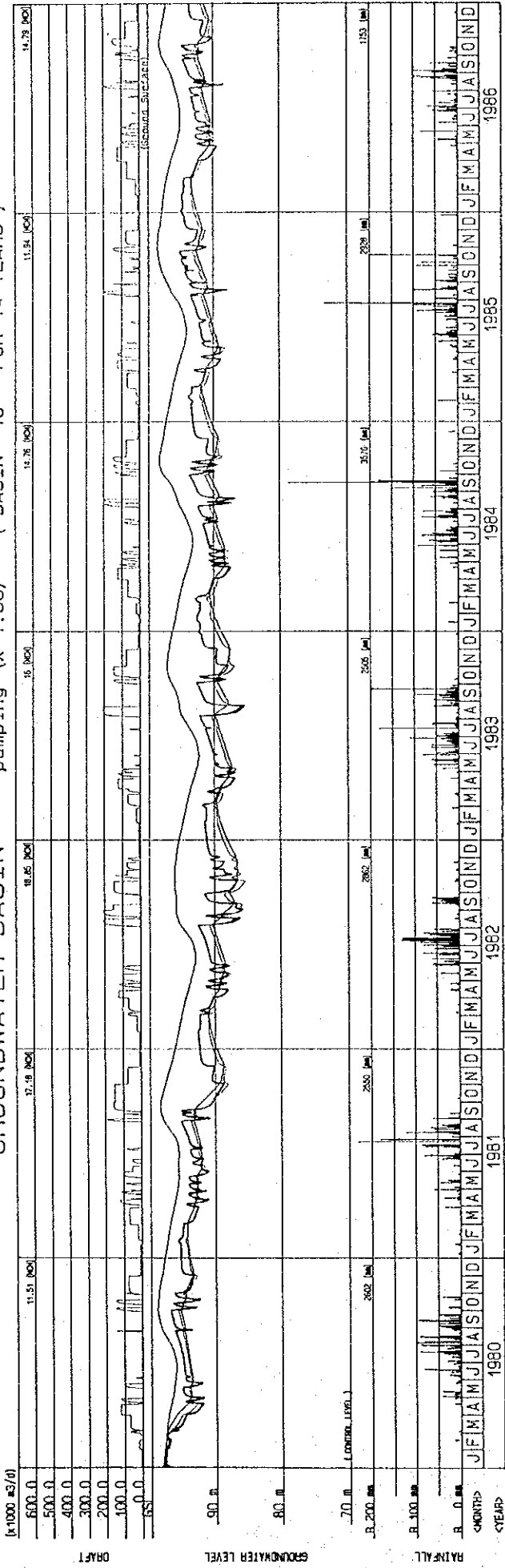
(5) Groundwater Sub-basins <Under Maximum Draft>  
 GROUNDWATER BASIN - pumping (x 1.35) - ( BASIN= 15 FOR 14 YEARS )



--- Unconfined Aq. 1  
 --- Confined Aq. 2  
 --- S.Walik Aq.

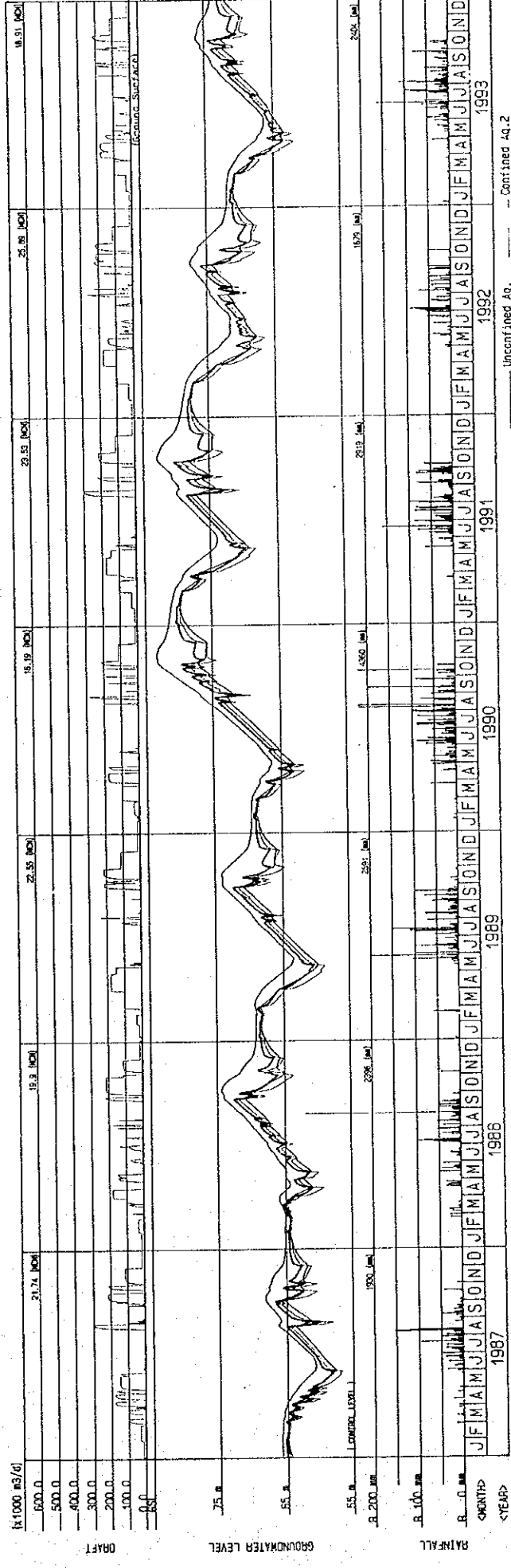
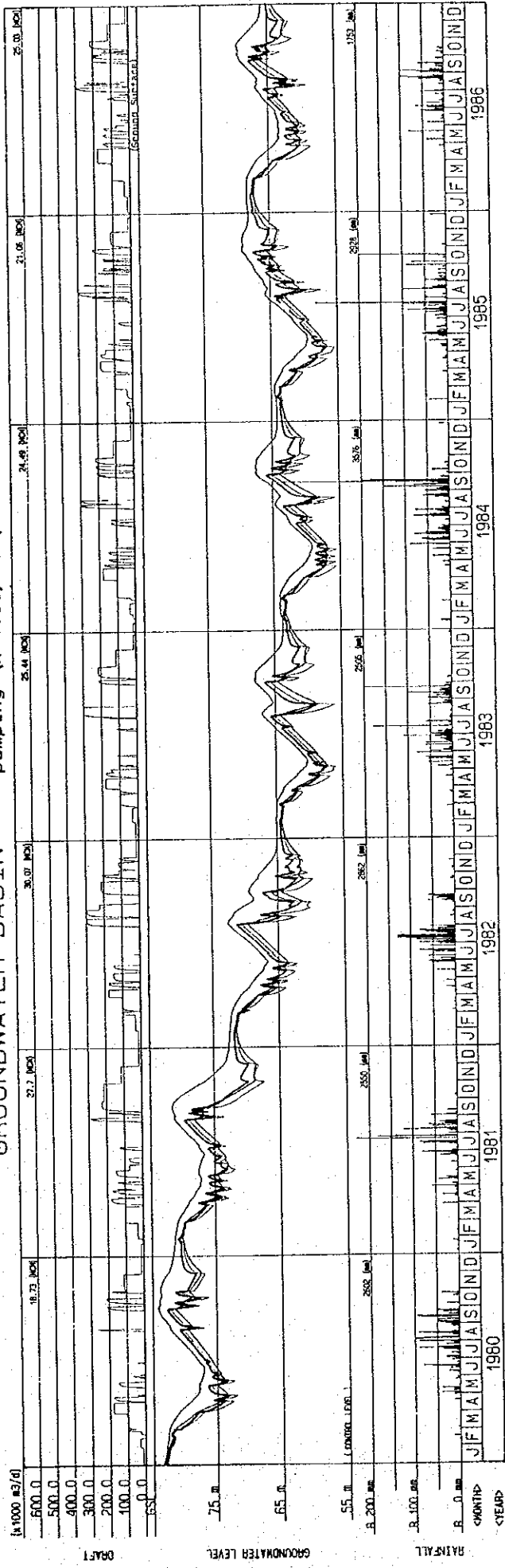


GROUNDWATER BASIN -pumping (x 1.35) - ( BASIN= 16 FOR 14 YEARS )



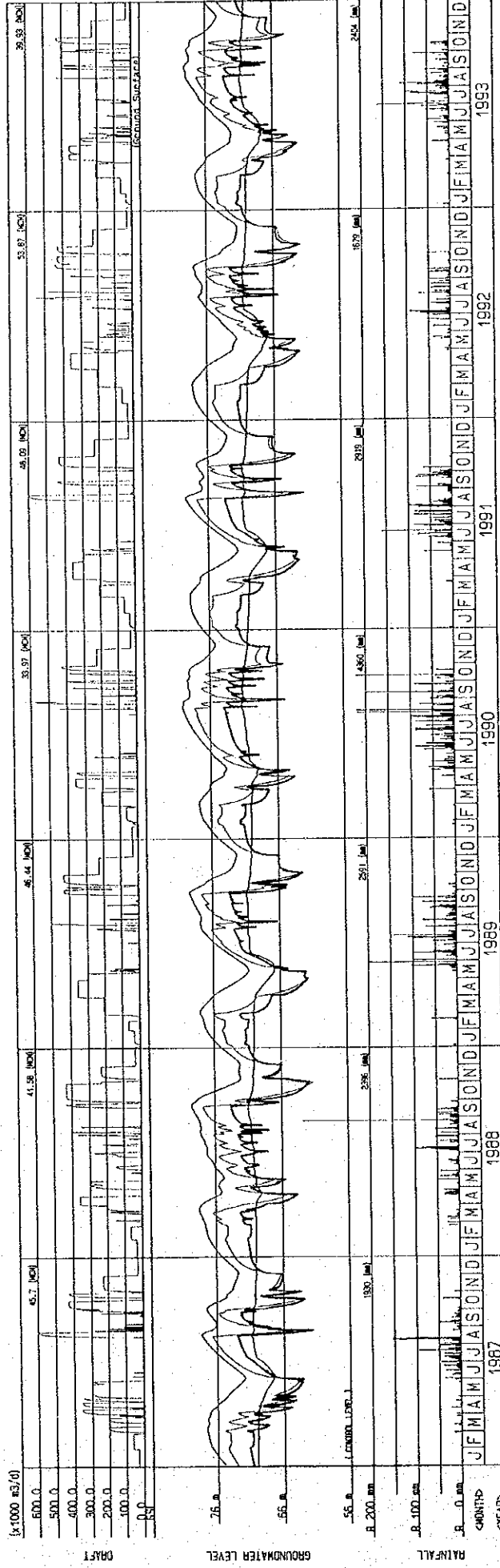
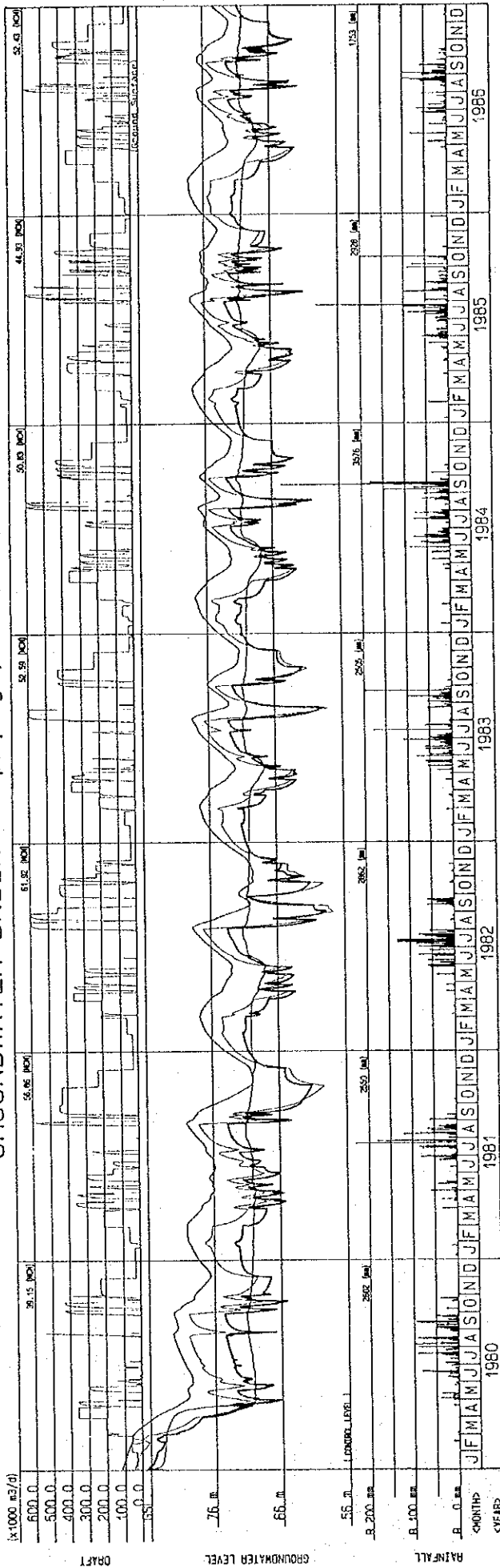
--- Unconfined Aq. 2  
 --- Confined Aq. 1  
 --- Confined Aq. 2  
 --- S.W.E.J.K. Aq.

GROUNDWATER BASIN -pumping (x 1.35)- ( BASIN= 20 FOR 14 YEARS )



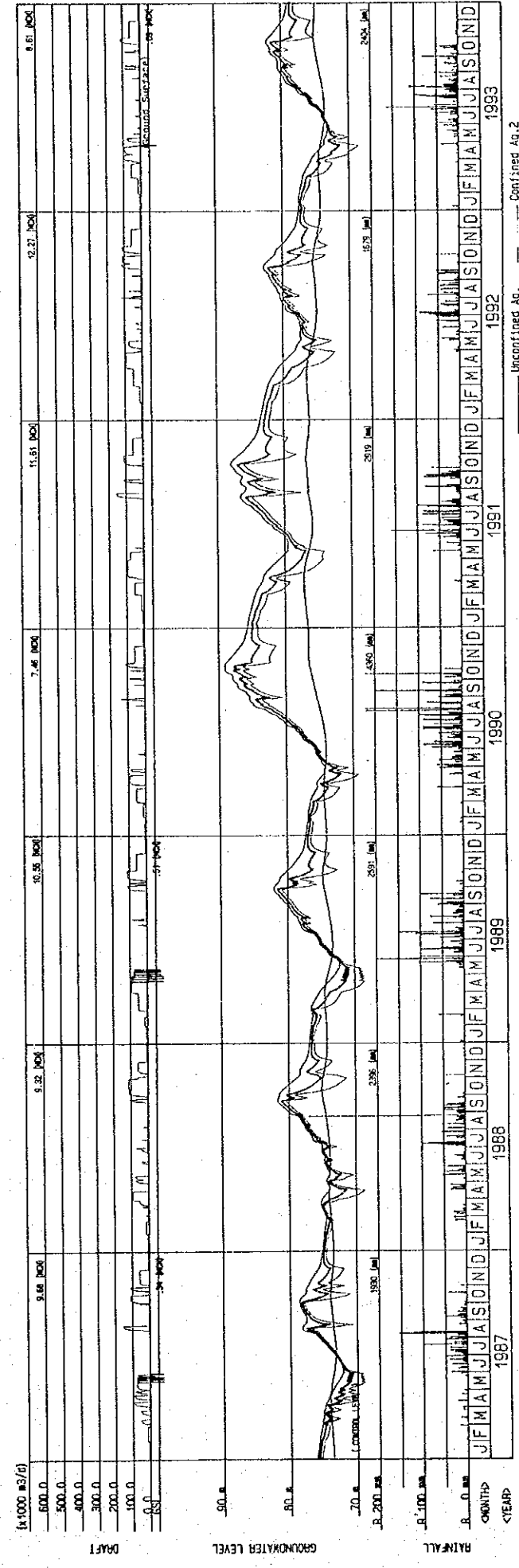
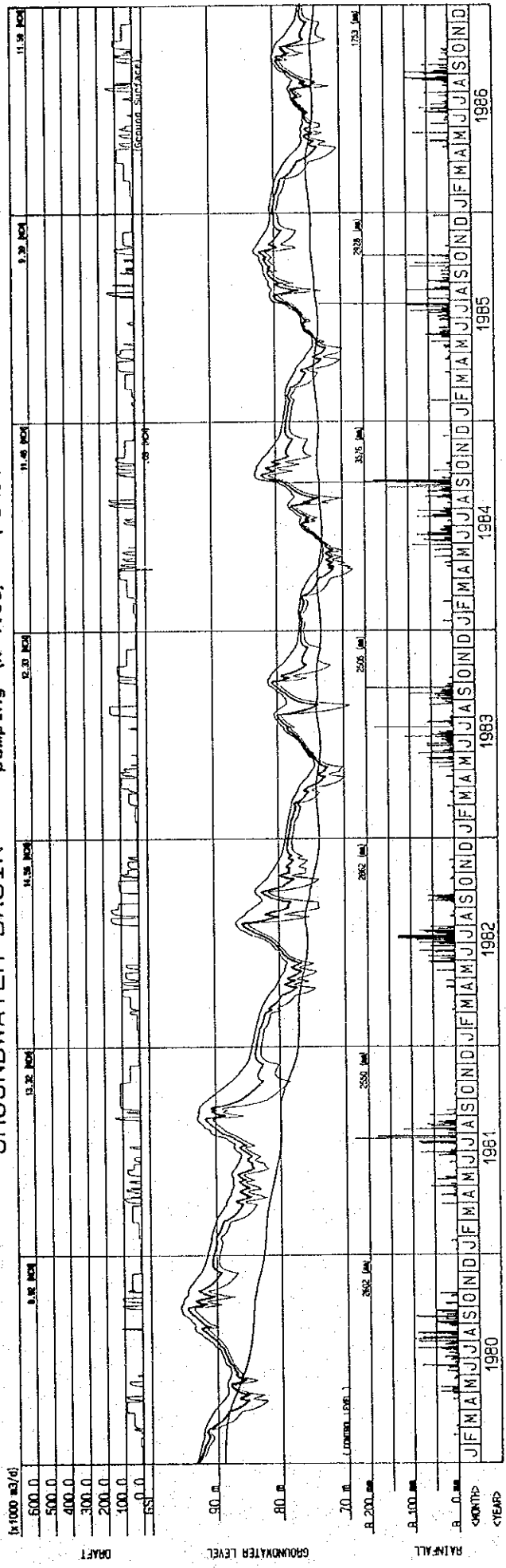
--- Unconfined Aq.  
 --- Confined Aq. 1  
 --- Confined Aq. 2  
 --- SWELL Aq.

GROUNDWATER BASIN - pumping (x 1.35) - ( BASIN= 21 FOR 14 YEARS )



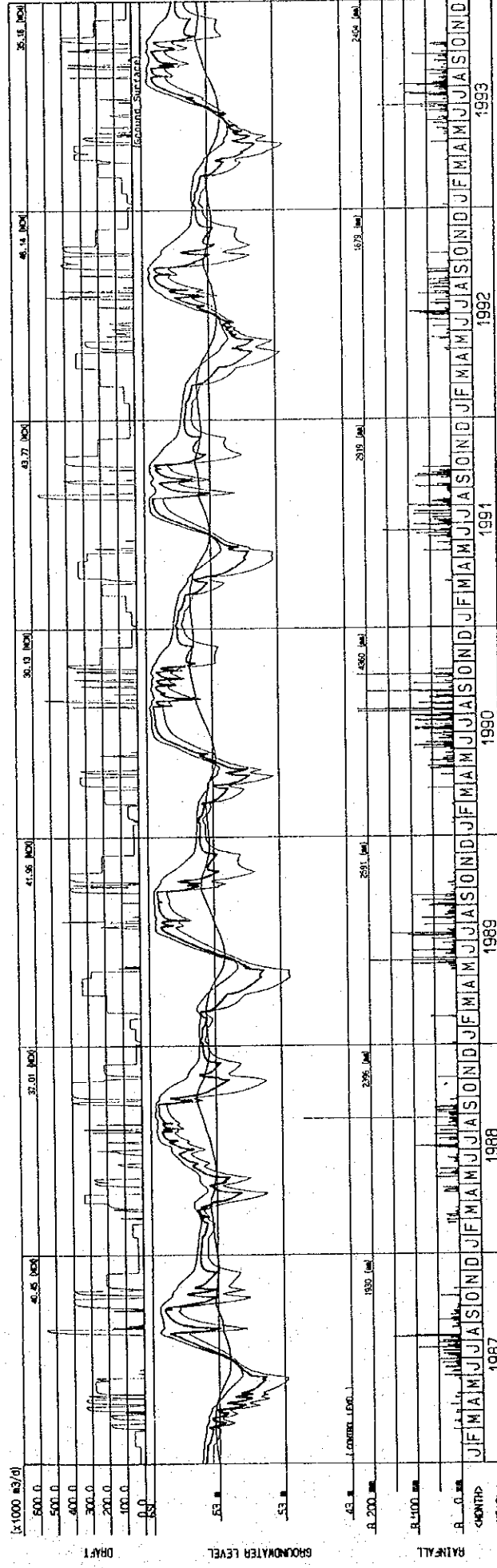
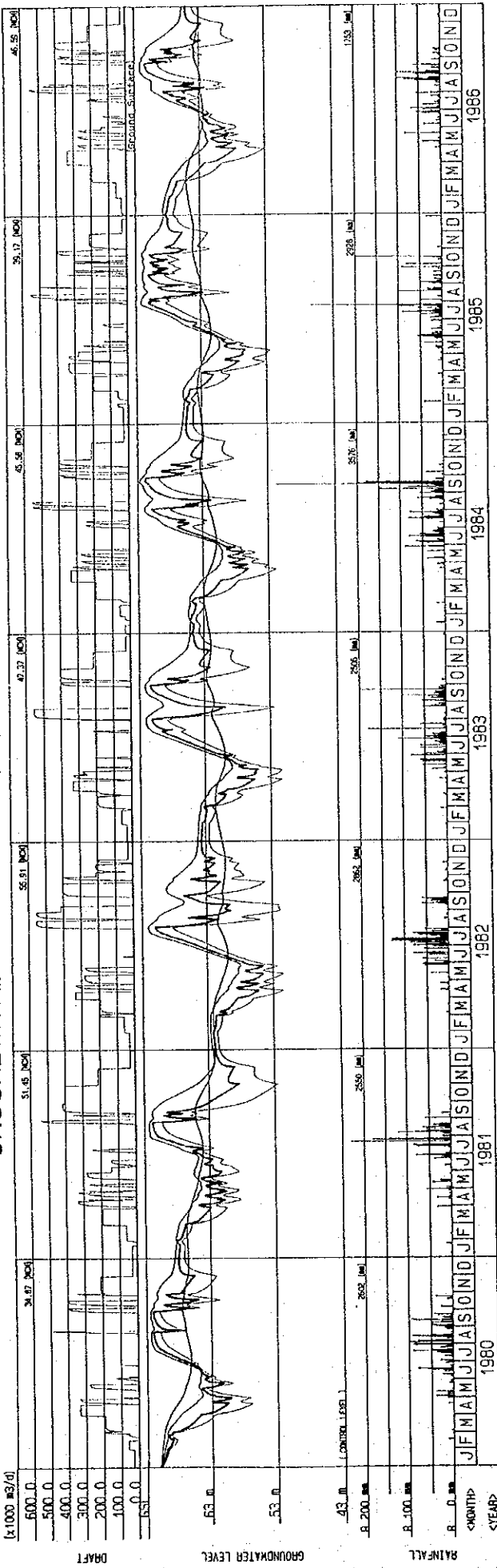
Unconfined Aq. 2  
 Confined Aq. 1  
 Confined Aq. 2  
 S1waik Aq.

GROUNDWATER BASIN - pumping (x 1.35) - ( BASIN= 23 FOR 14 YEARS )



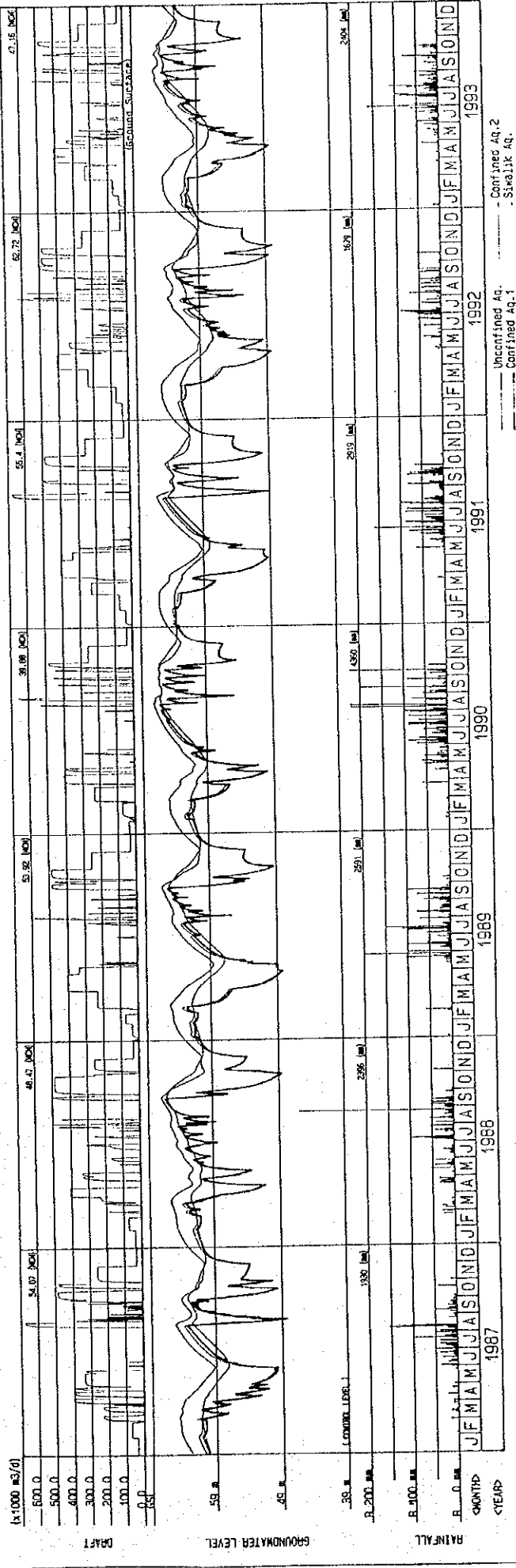
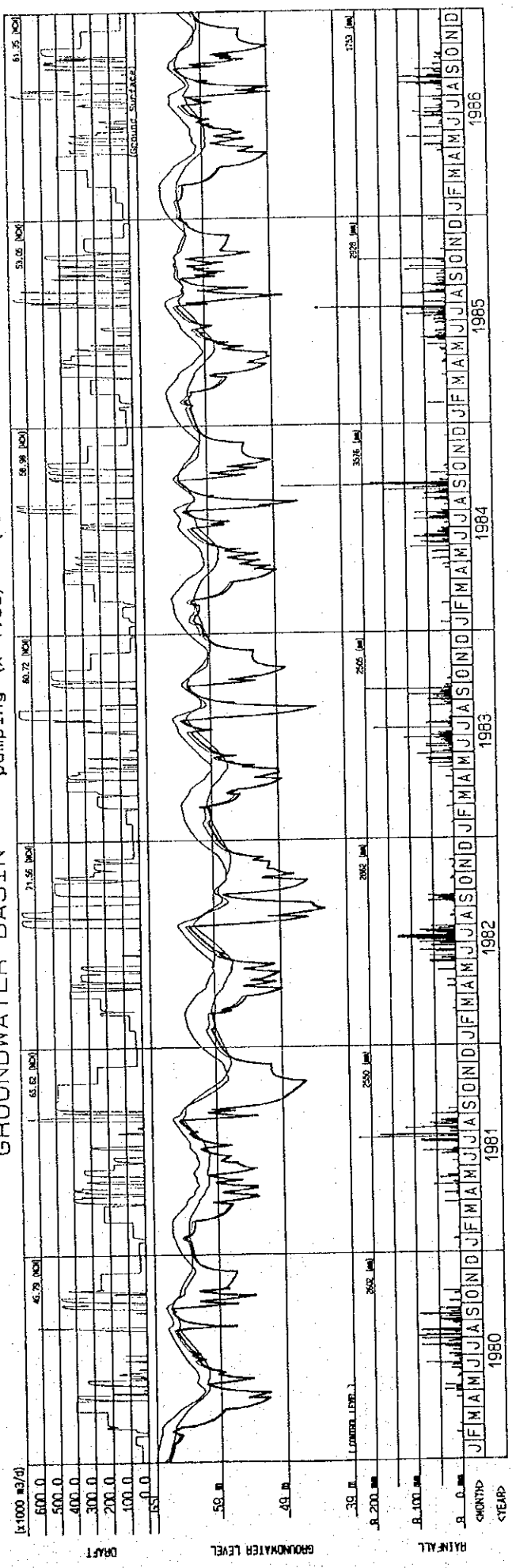
Unconfined Aq. 2  
Confined Aq. 1

GROUNDWATER BASIN - pumping (x 1.35) - ( BASIN= 26 FOR 14 YEARS )



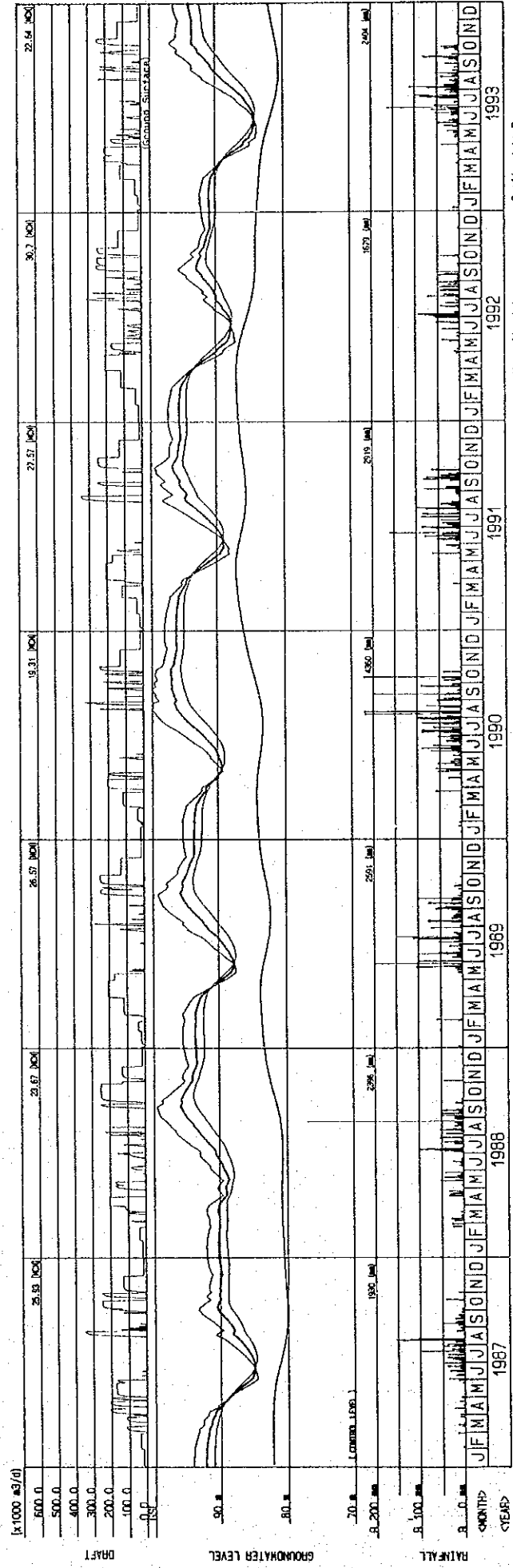
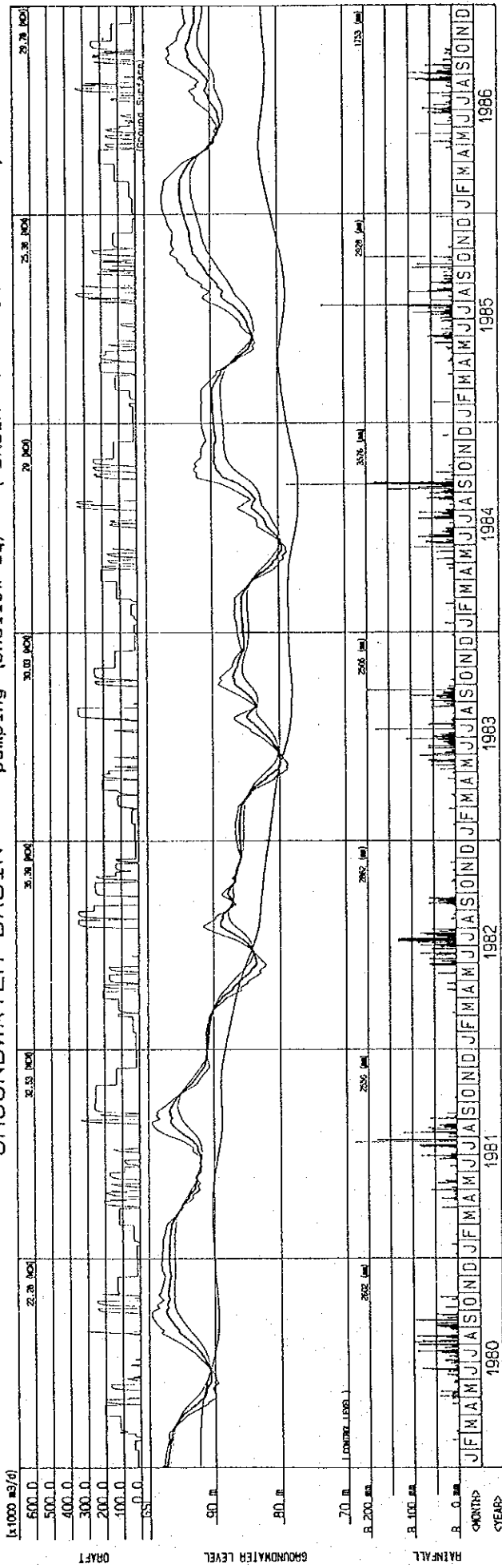
--- Unconfined Aq.  
 - - - - - Confined Aq.1  
 - - - - - Confined Aq.2  
 - - - - - Swajik Aq.

GROUNDWATER BASIN - pumping (x 1.35) - ( BASIN= 27 FOR 14 YEARS )

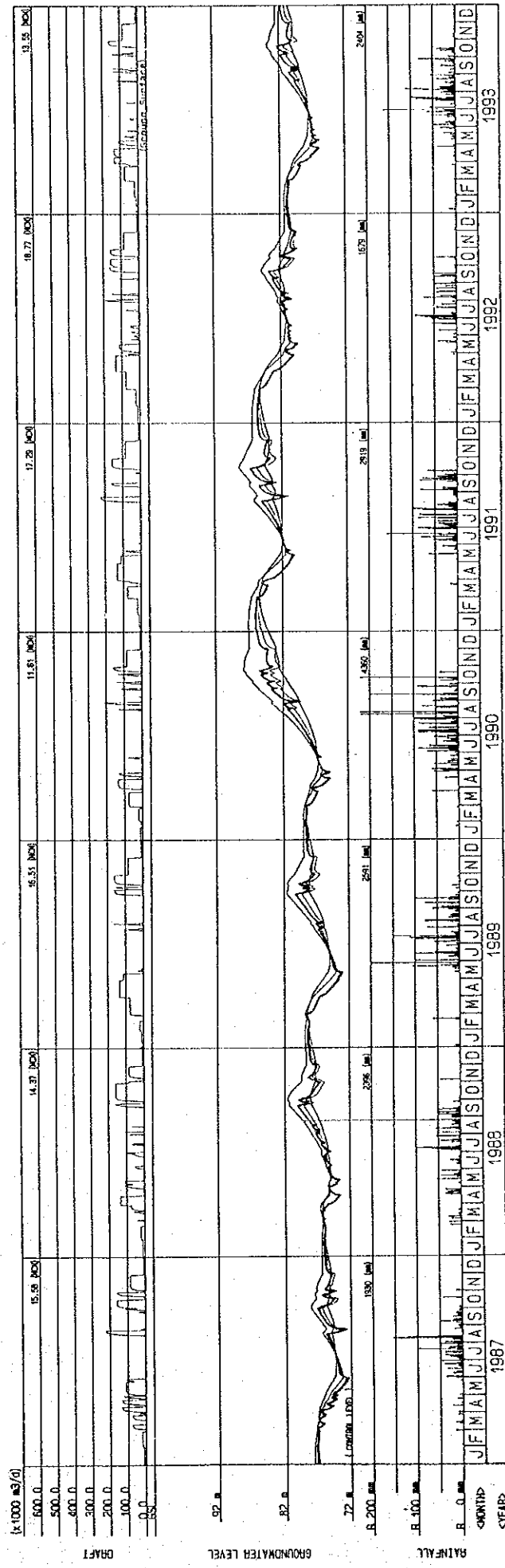
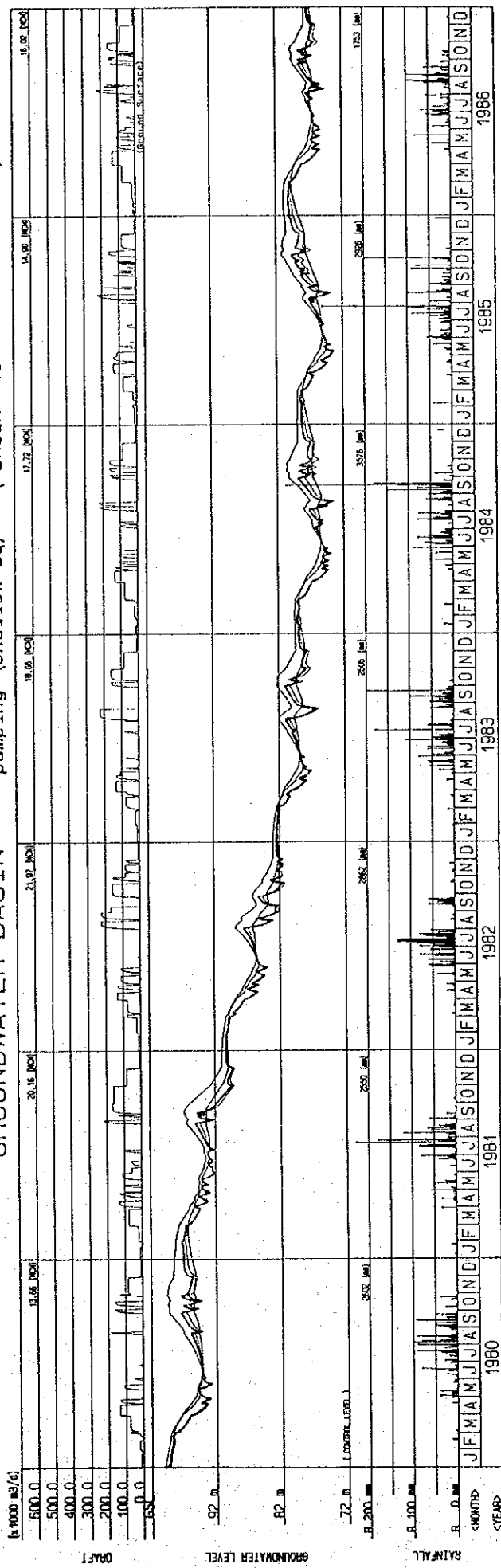


----- Unconfined Aq. 2  
 ----- Confined Aq. 1

(6) Groundwater Sub-basins <Shallow Aquifer Draft>  
 GROUNDWATER BASIN -pumping (shallow aq)- (BASIN= 14 FOR 14 YEARS)



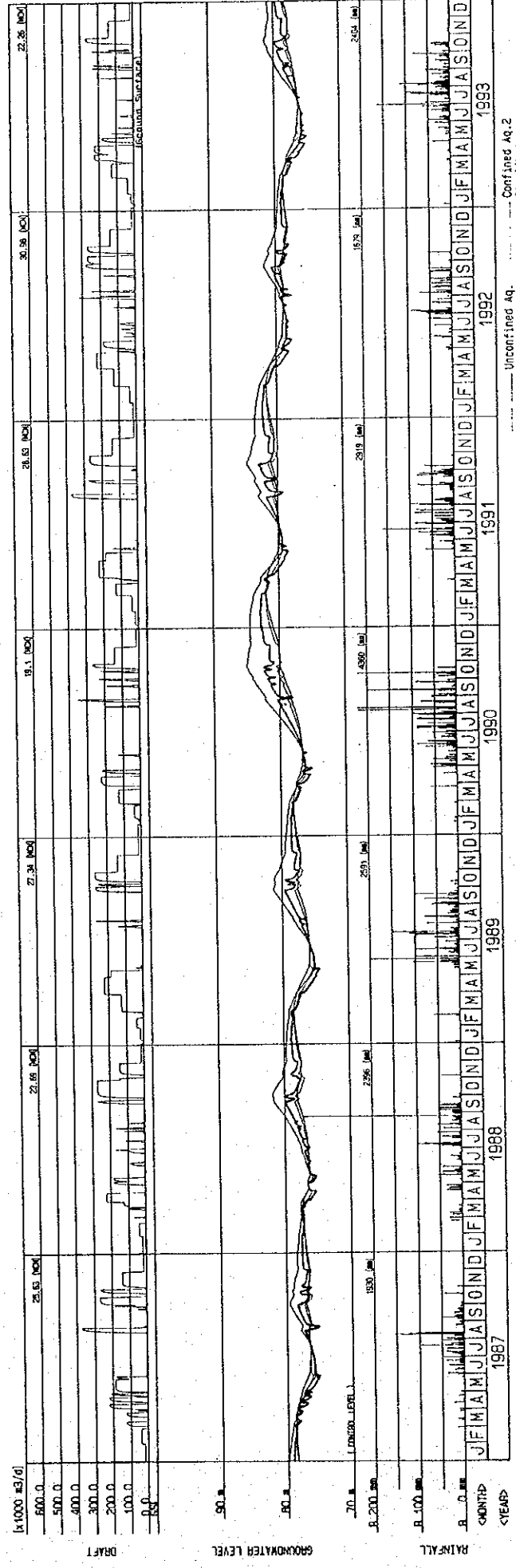
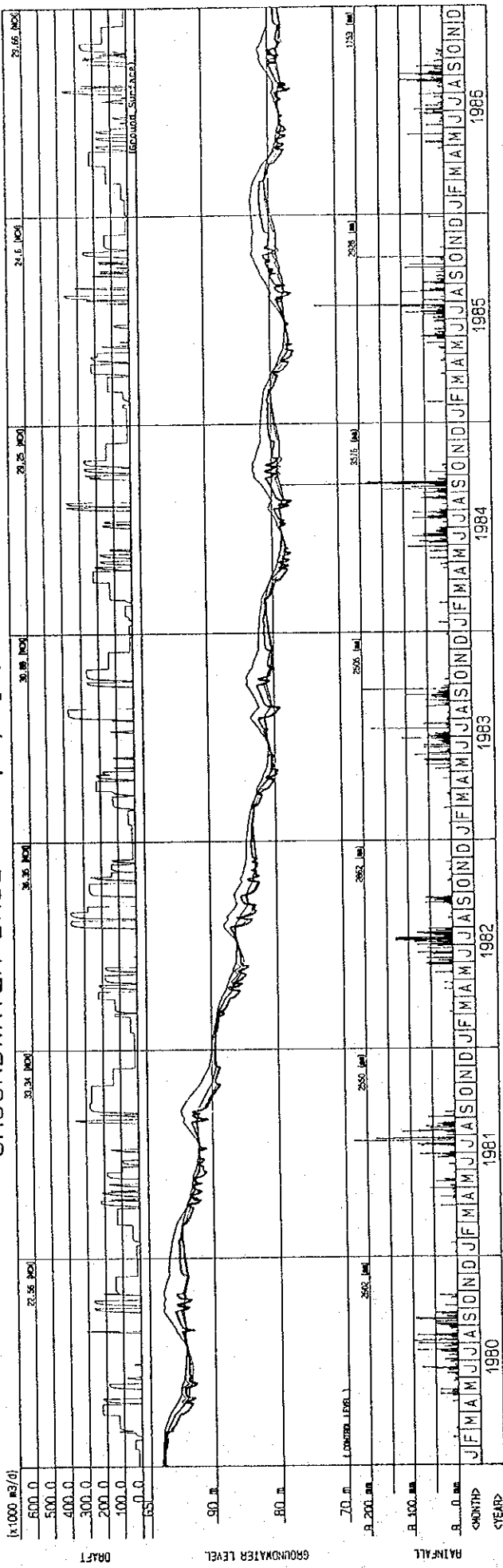
# GROUNDWATER BASIN - pumping (shallow aq) - ( BASIN= 15 FOR 14 YEARS )



- - - - - Unconfined Aq.  
 - - - - - Confined Aq. 1  
 - - - - - Confined Aq. 2  
 - - - - - Swalk Aq.

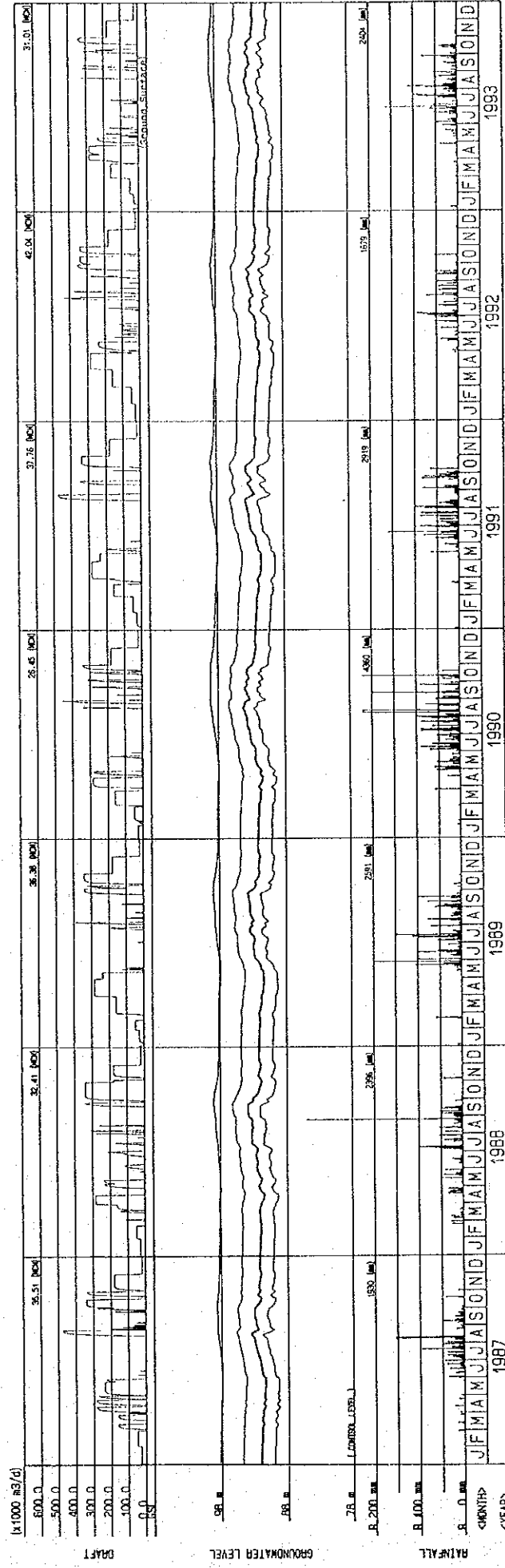
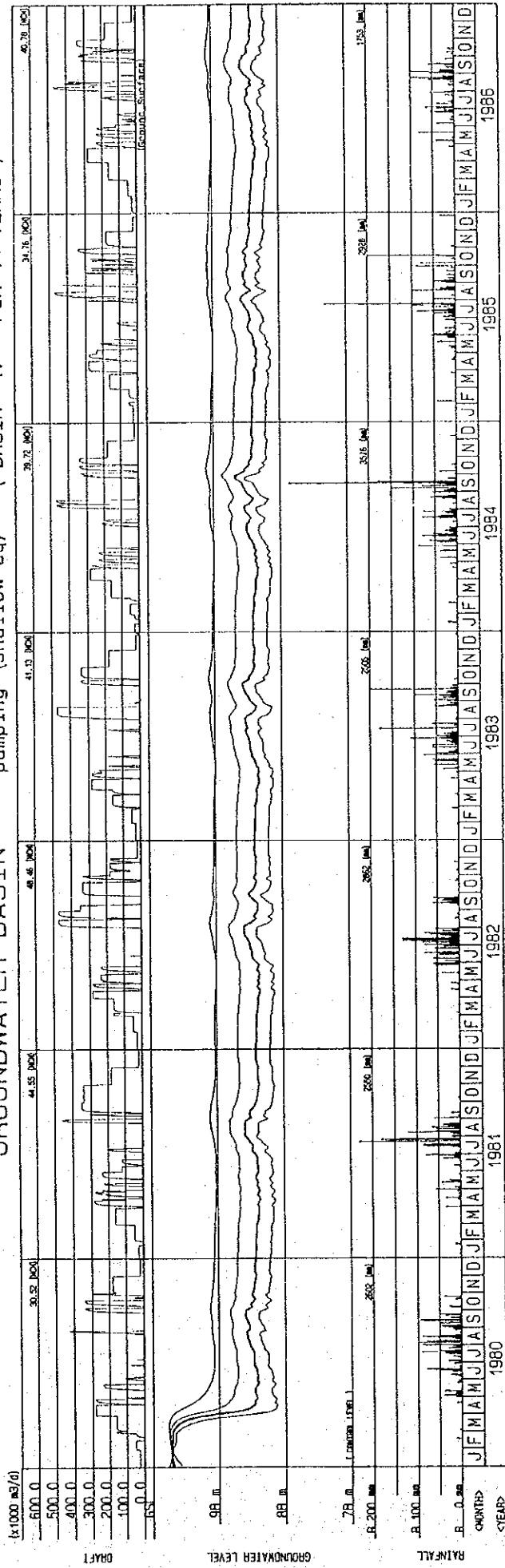


GROUNDWATER BASIN -pumping (shallow aq)- ( BASIN= 16 FOR 14 YEARS )



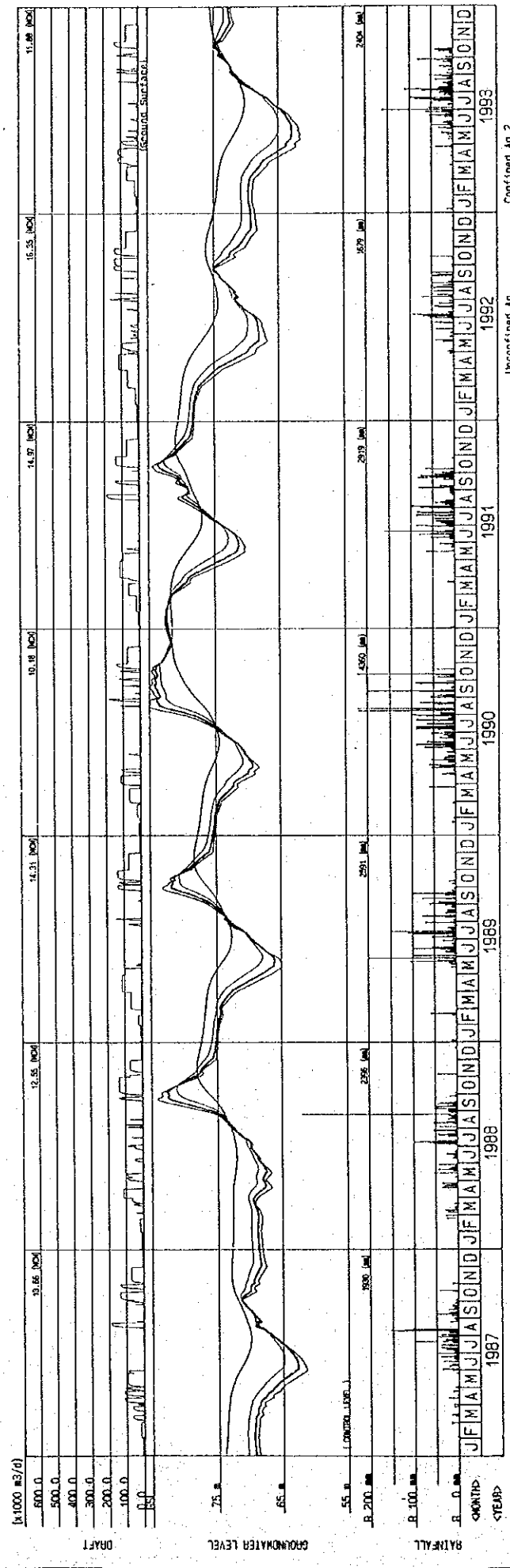
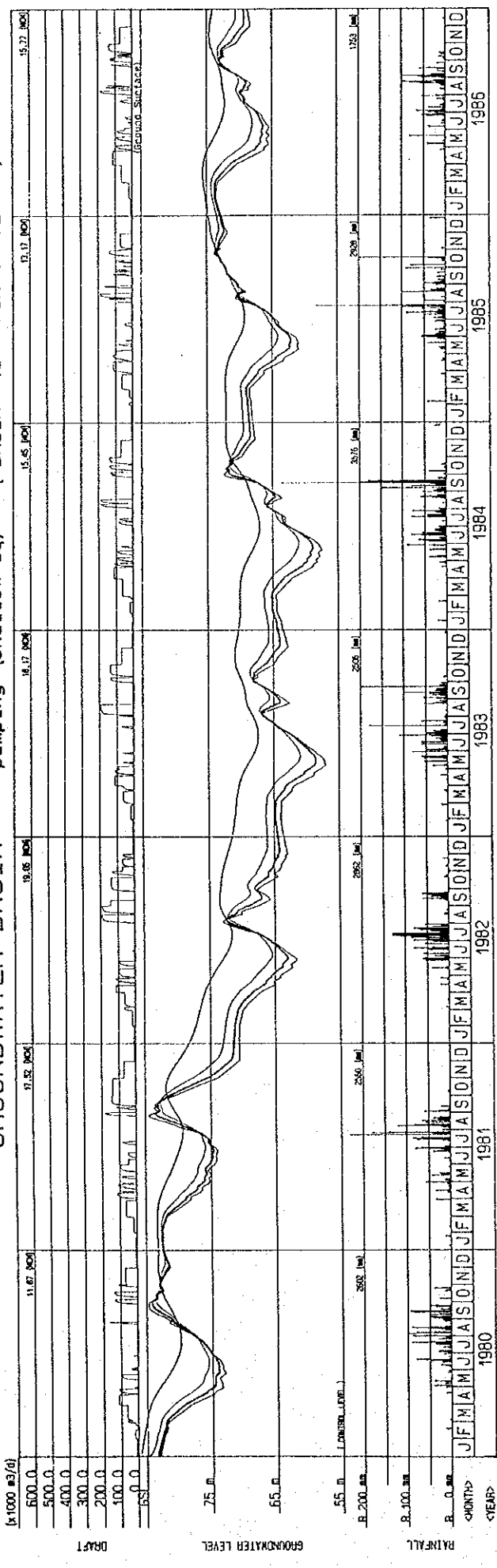
Unconfined aq. - Confined Aq.2  
 - Confined Aq.1 - Shajik Aq.

# GROUNDWATER BASIN -pumping (shallow aq)- ( BASIN= 17 FOR 14 YEARS )



- - - - - Unconfined Ag. 1  
 - - - - - Confined Ag. 2  
 - - - - - Swellik Ag.

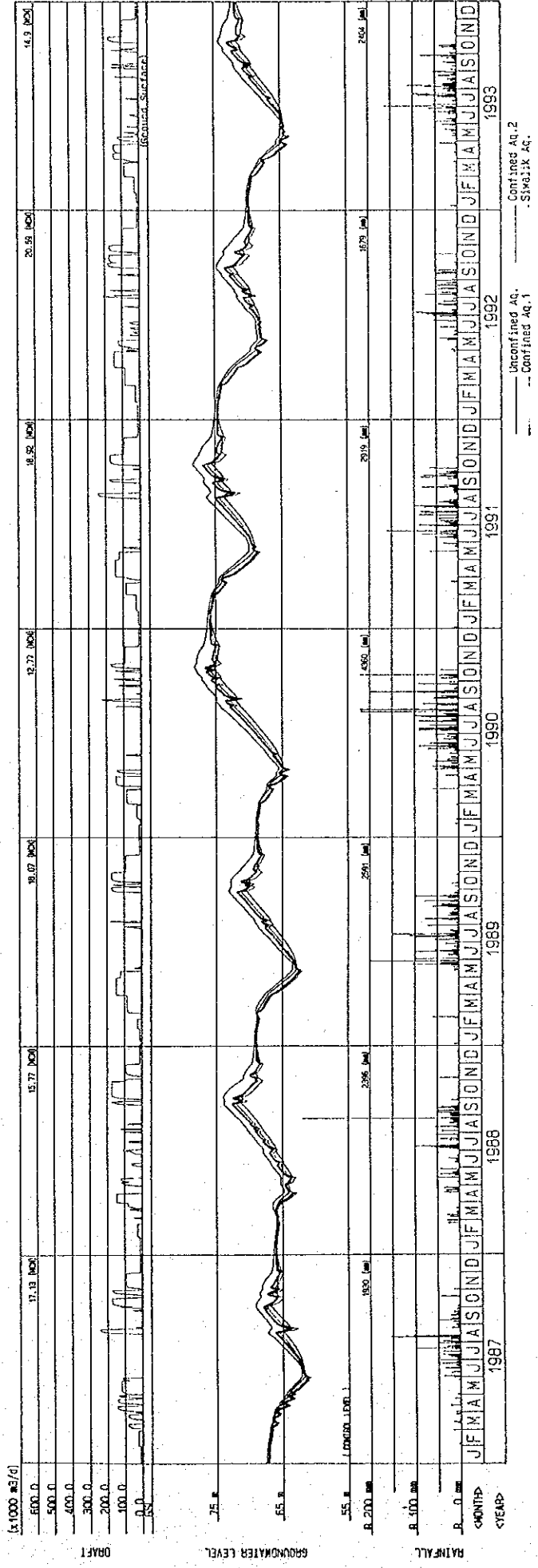
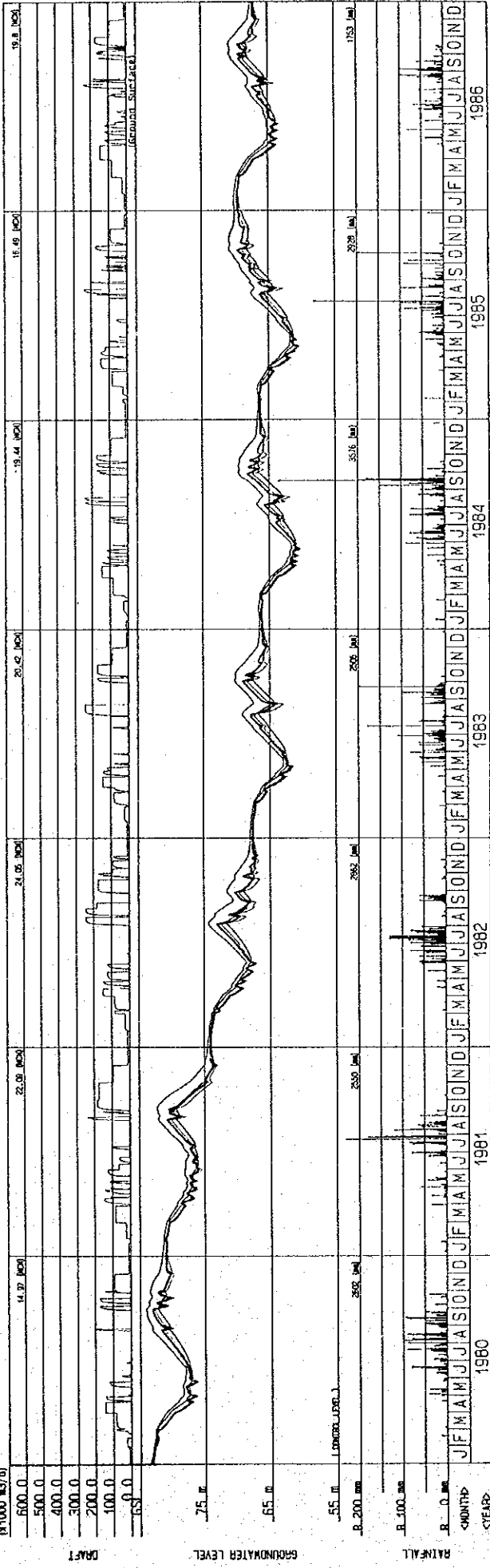
# GROUNDWATER BASIN -pumping (shallow eq) - ( BASIN= 19 FOR 14 YEARS )



Unconfined Aq. 2  
Sivakik Aq.

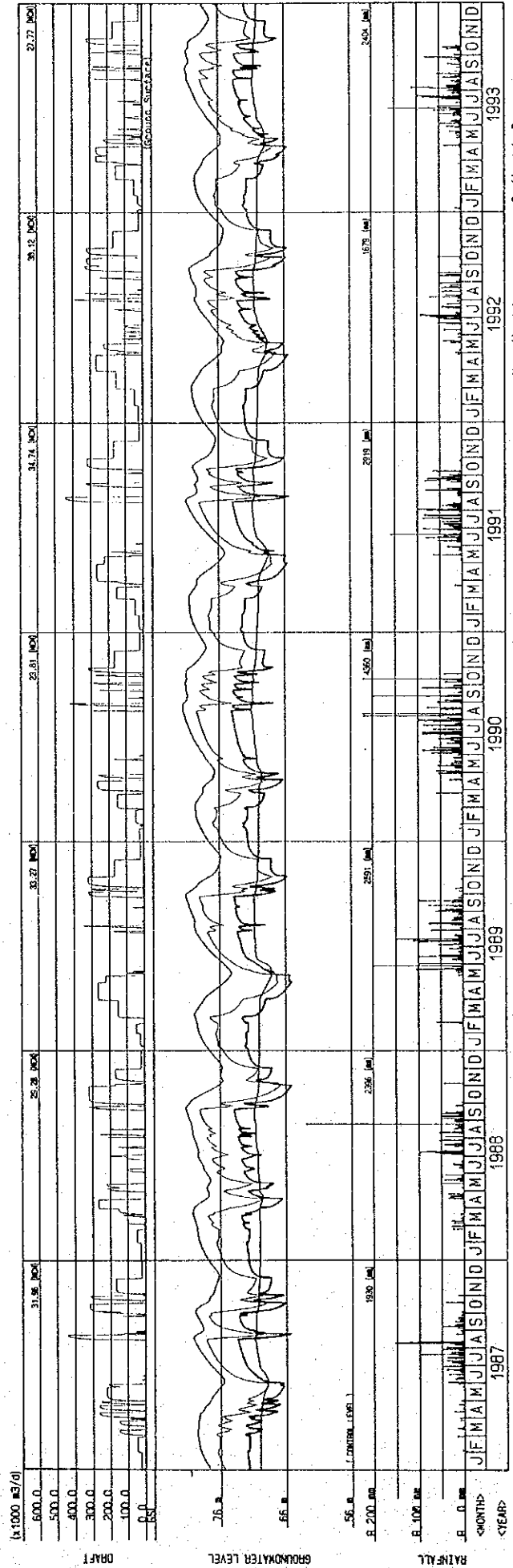
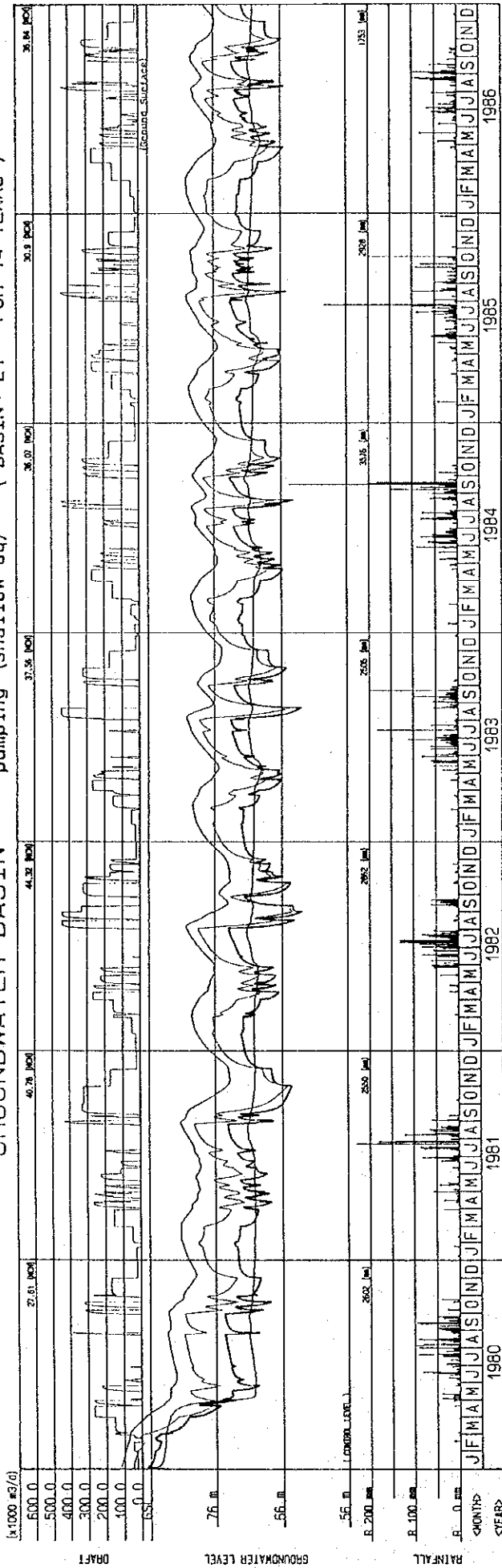
Unconfined Aq. 1  
Confined Aq. 1

# GROUNDWATER BASIN - pumping (shallow aq) - (BASIN= 20 FOR 14 YEARS)



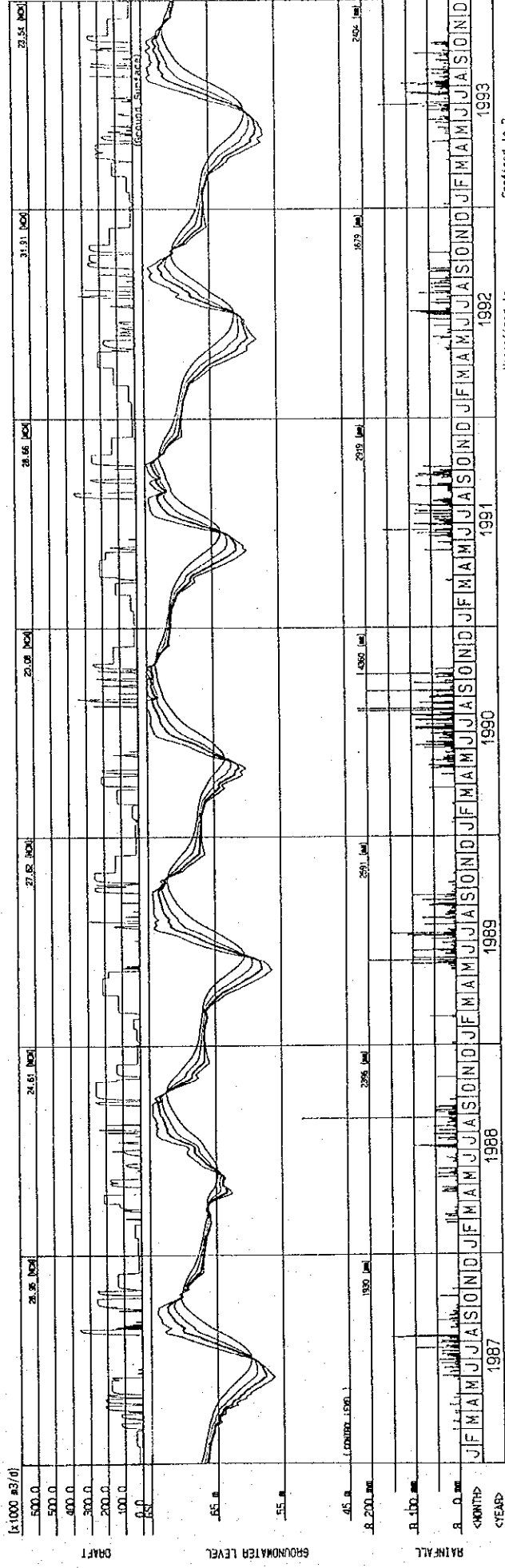
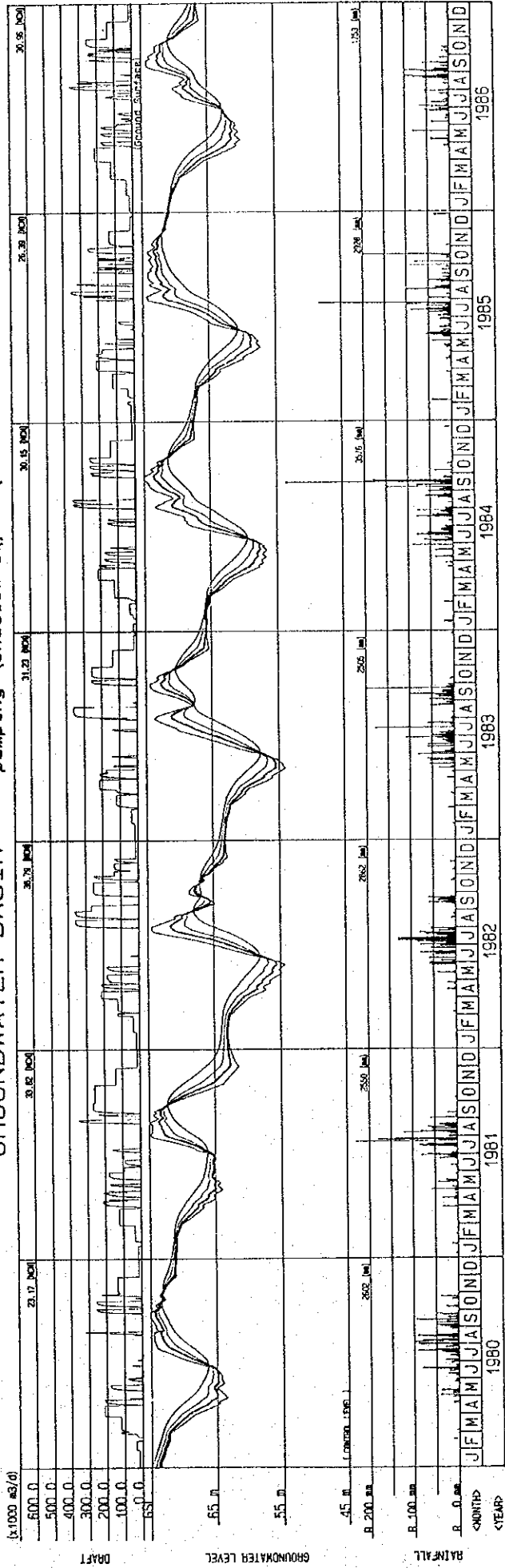
--- Unconfined Aq.  
 --- Confined Aq. 1  
 --- Confined Aq. 2  
 --- Sivaik Aq.

GROUNDWATER BASIN - pumping (shallow eq) - (BASIN= 21 FOR 14 YEARS)



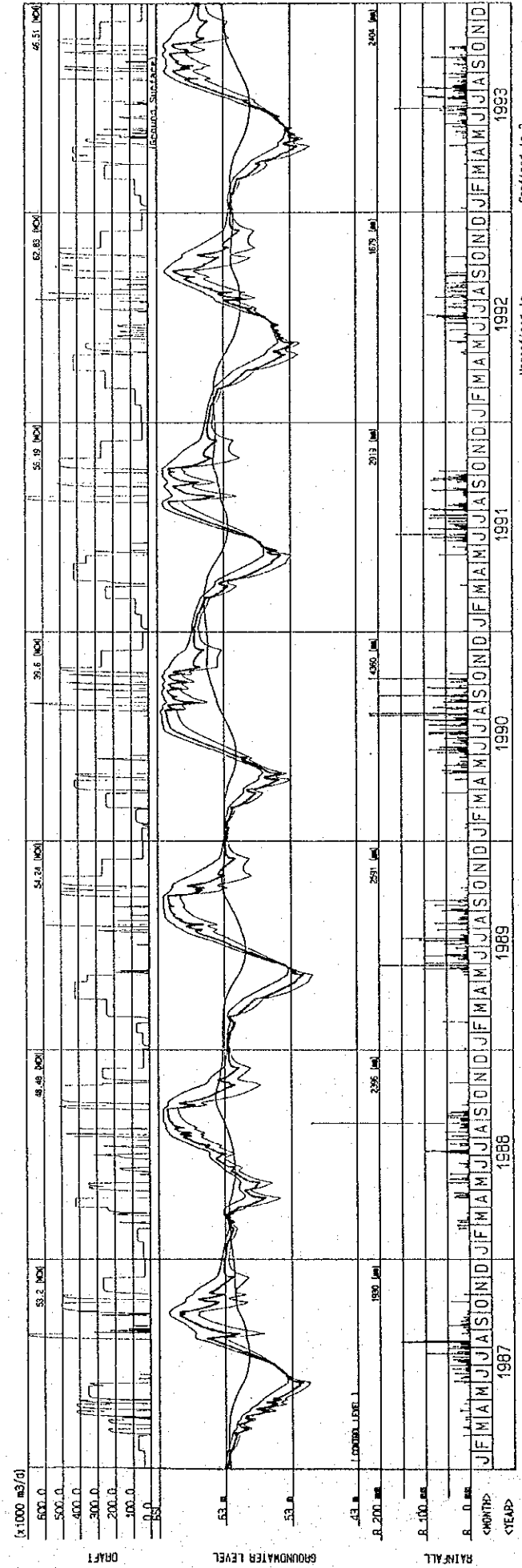
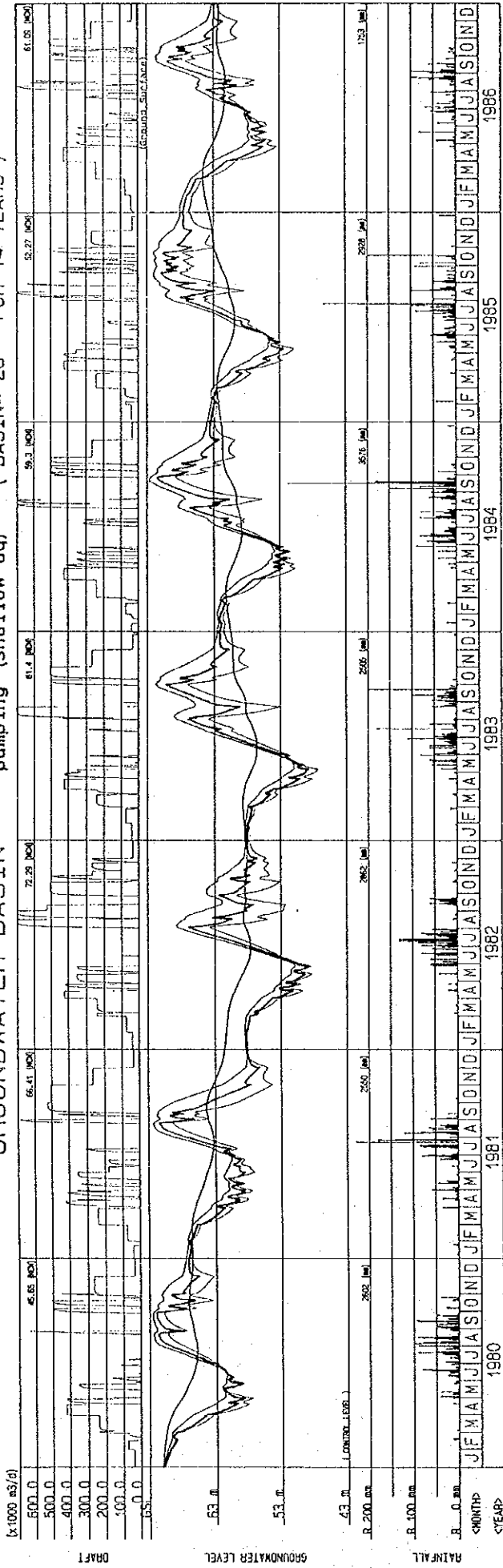
Unconfined Aq. 2  
Confined Aq. 1

GROUNDWATER BASIN -pumping (shallow eq) - (BASIN= 25 FOR 14 YEARS)



Unconfined Aq. 2  
Confined Aq. 1  
Swalk Aq.

GROUNDWATER BASIN - pumping (shallow aq) - ( BASIN= 26 FOR 14 YEARS )



Unconfined Aq. 2  
Confined Aq. 1  
--- Swaik Aq.