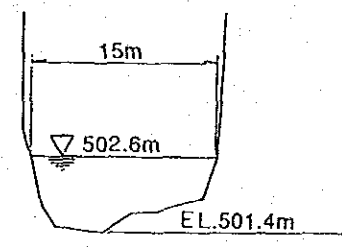
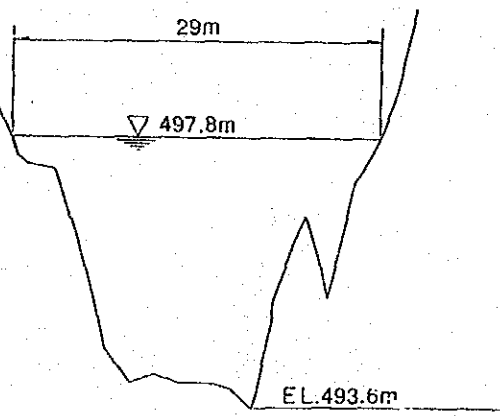



Section K1

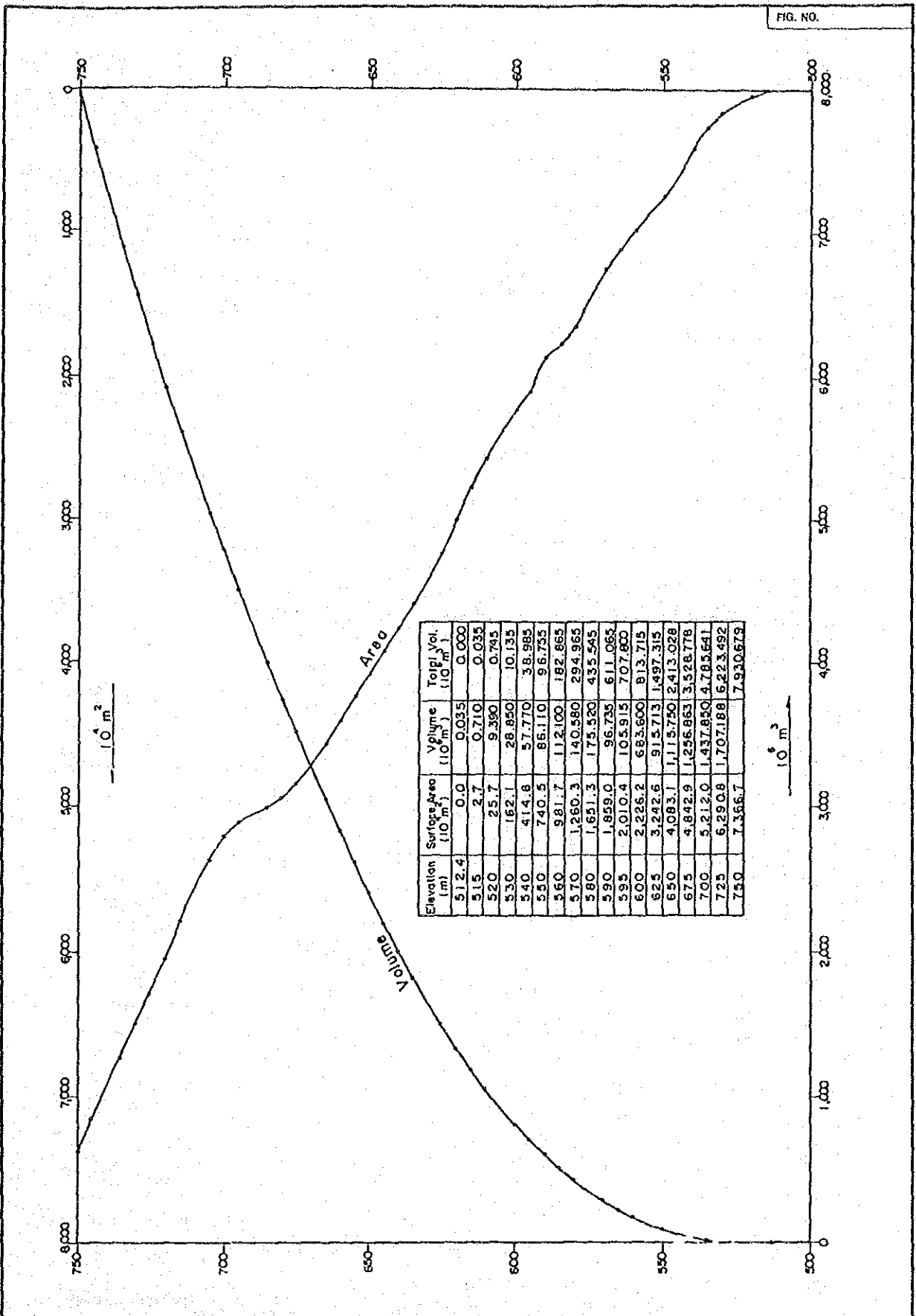


Section K2



Section K3

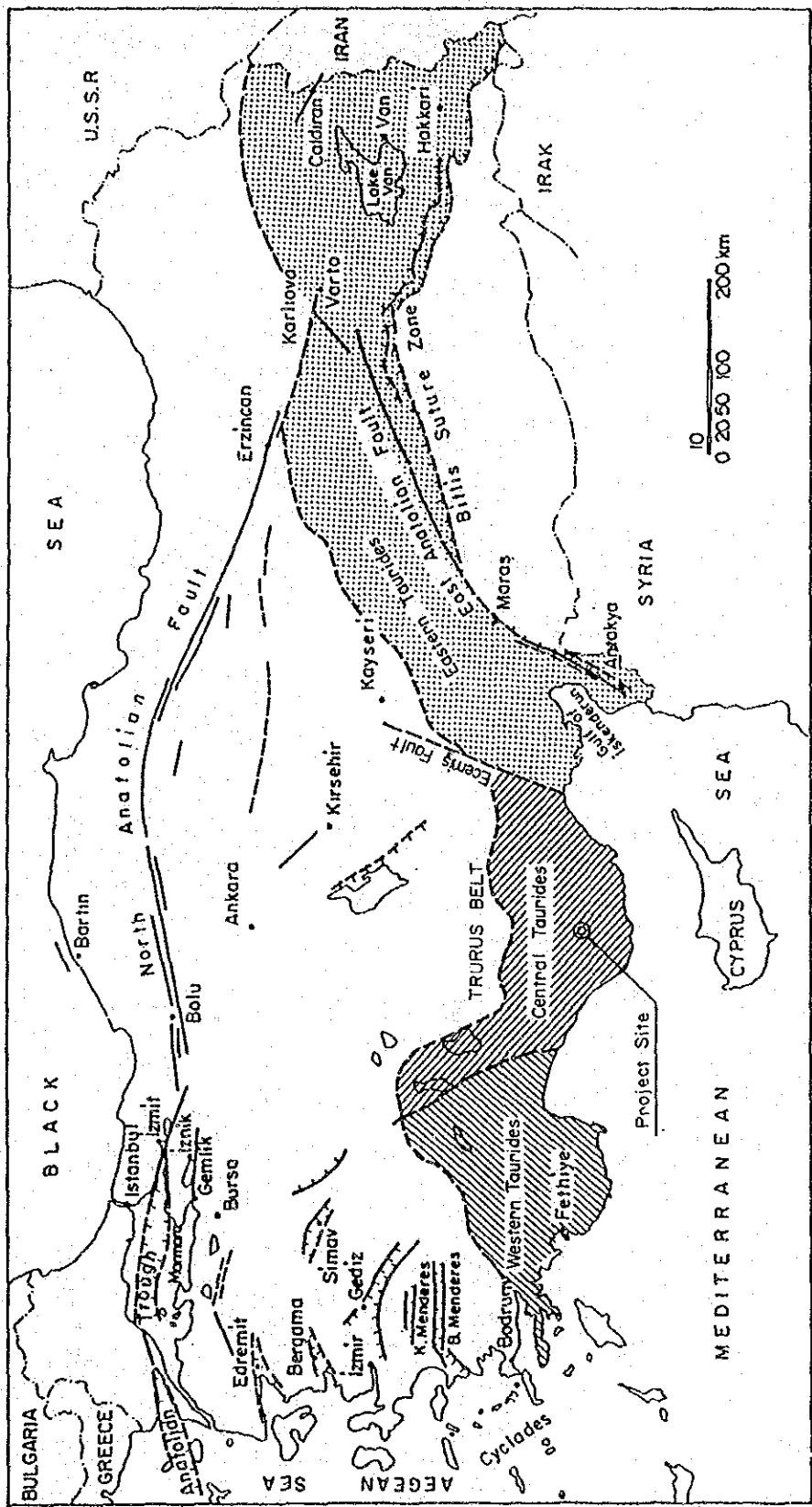
	THE REPUBLIC OF TURKEY ELEKTRİK İŞLERİ ETÜD İDARESİ GENEL MÜDÜRLÜĞÜ	ERMENEK HYDROELECTRIC POWER DEVELOPMENT PROJECT JAPAN INTERNATIONAL COOPERATION AGENCY	TITLE 図5.1 エルマネック川のギョルメル 峽谷部の横断面




THE REPUBLIC OF TURKEY
ELEKTRİK İŞLERİ ETÜD İDARESİ
GENEL MÜDÜRLÜĞÜ

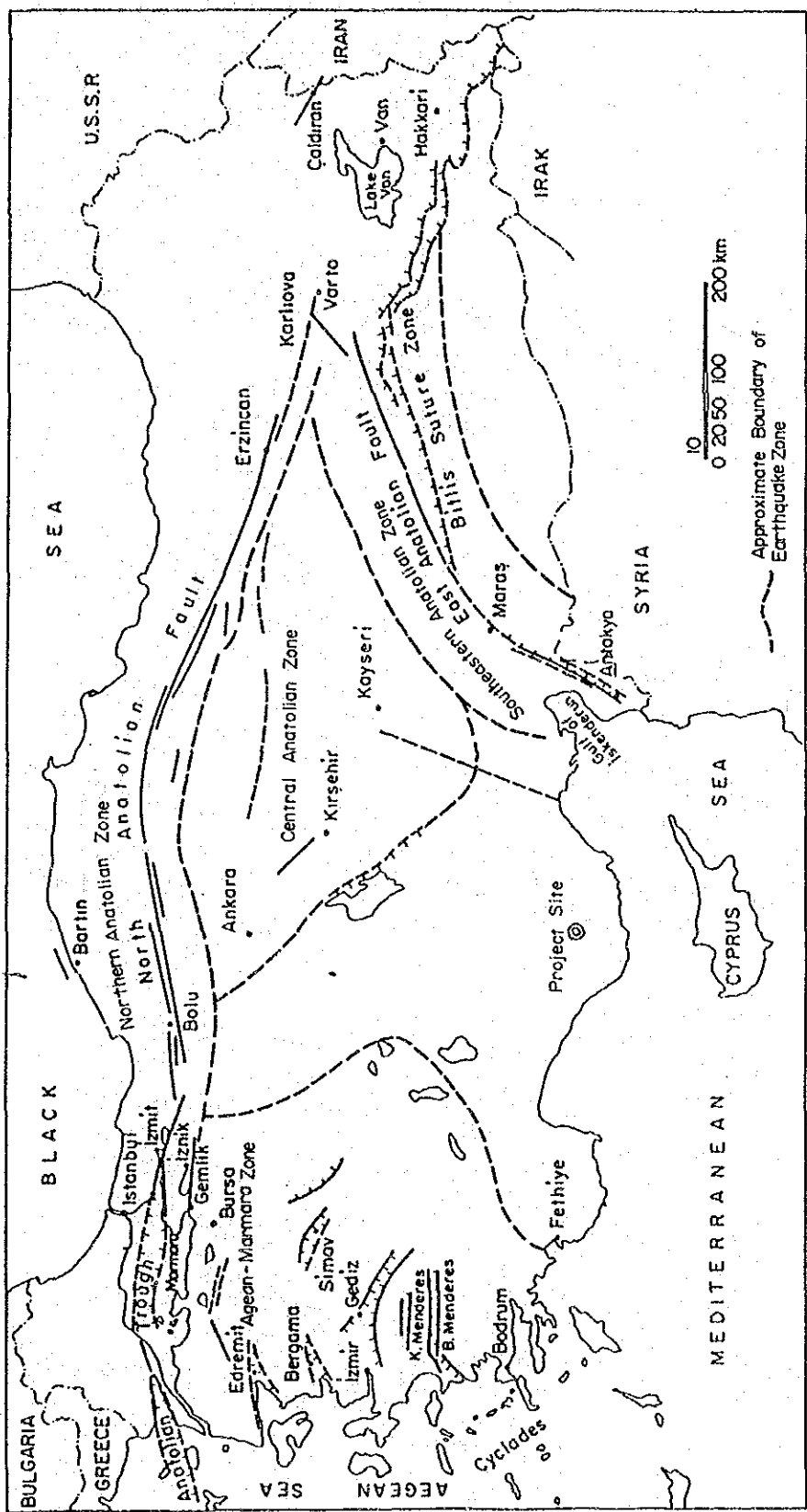
ERMENEK HYDROELECTRIC POWER
DEVELOPMENT PROJECT
JAPAN INTERNATIONAL COOPERATION AGENCY

TITLE 図 5.2
エルマネック貯水池の
面積・容量曲線



Source: Reference Nos. 17 and 19

	THE REPUBLIC OF TURKEY ELEKTRİK İŞLERİ ETÜD İDARESİ GENEL MÜDÜRLÜĞÜ	ERMENEK HYDROELECTRIC POWER DEVELOPMENT PROJECT	TITL 図 5.3 タウルスベルトの地理区分
	JAPAN INTERNATIONAL COOPERATION AGENCY		



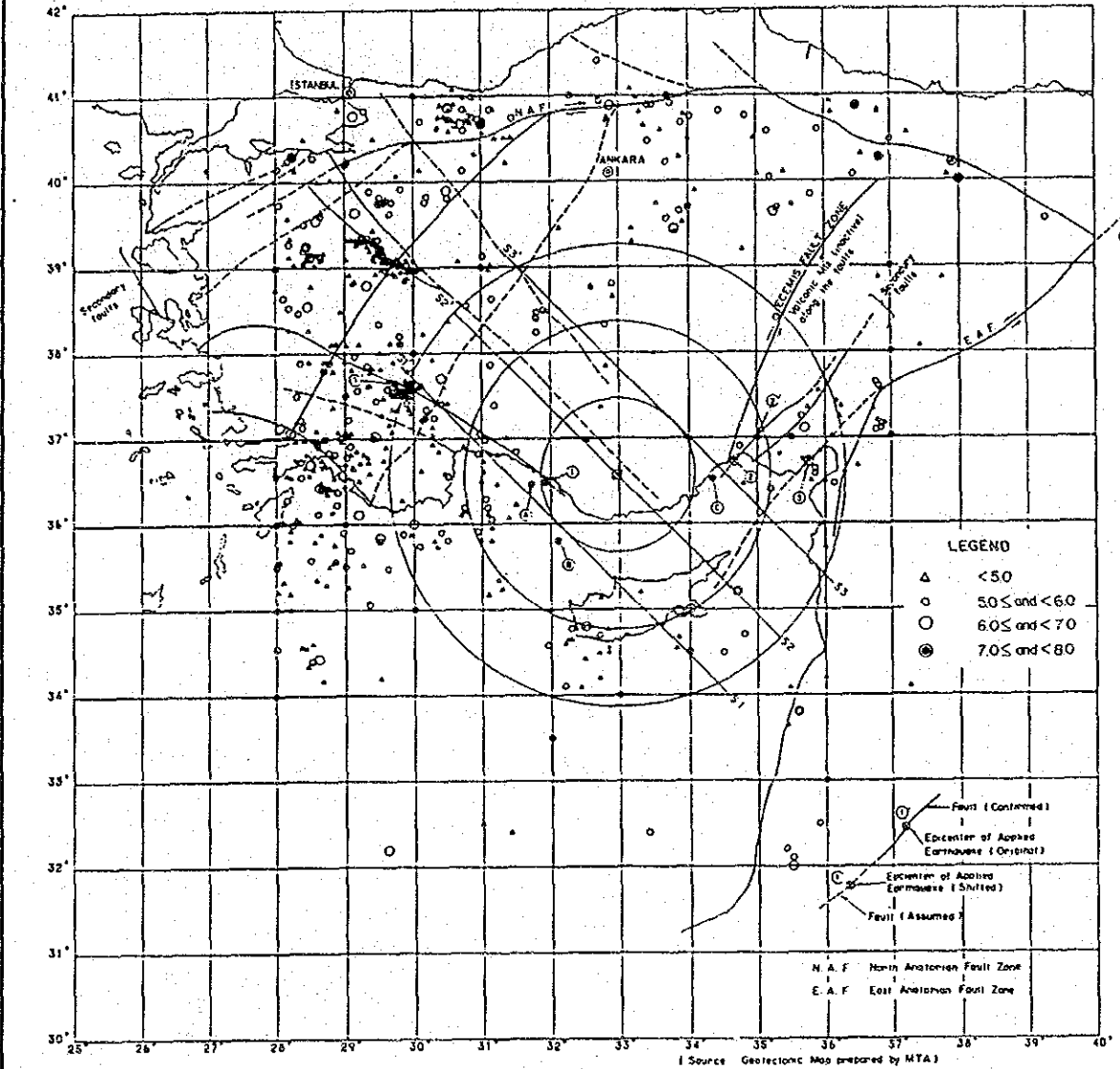
Source: Reference Nos. 18 and 19



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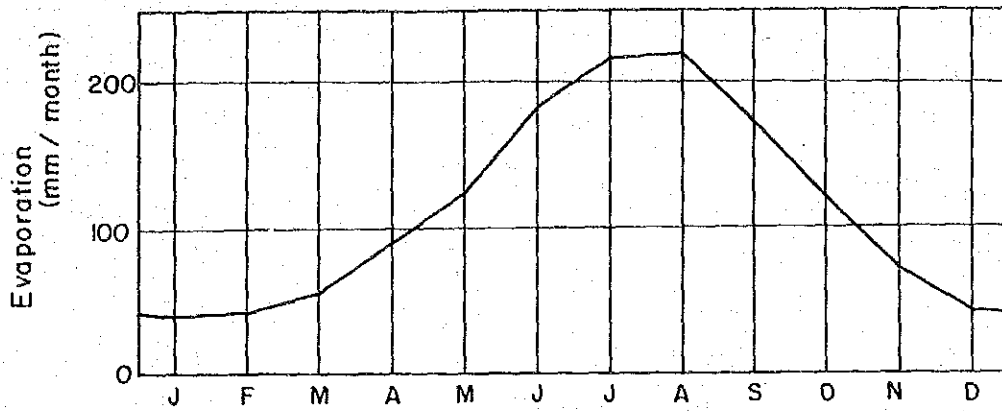
TITLE
図 5.4
アナトリア半島の地質構造図



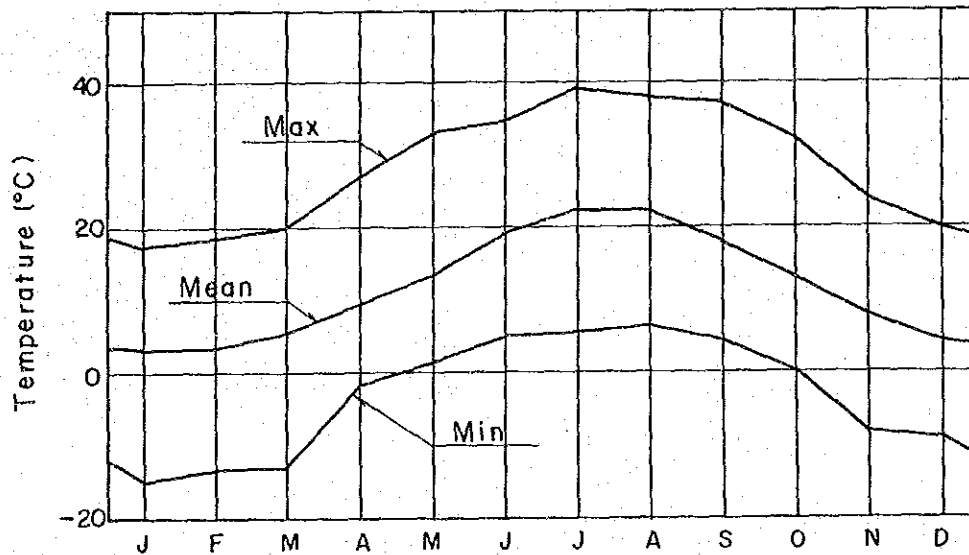
THE REPUBLIC OF TURKEY
ELEKTRİK İŞLERİ ETÜD İDARESİ
GENEL MÜDÜRLÜĞÜ

ERMENEK HYDROELECTRIC POWER
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JAPAN INTERNATIONAL COOPERATION AGENCY

TITLE
図 5.5
計画地域周辺の震央図



Estimated Mean Evaporation from Reservoir at Ermenek



Max., Mean and Min. Temperature at Ermenek.



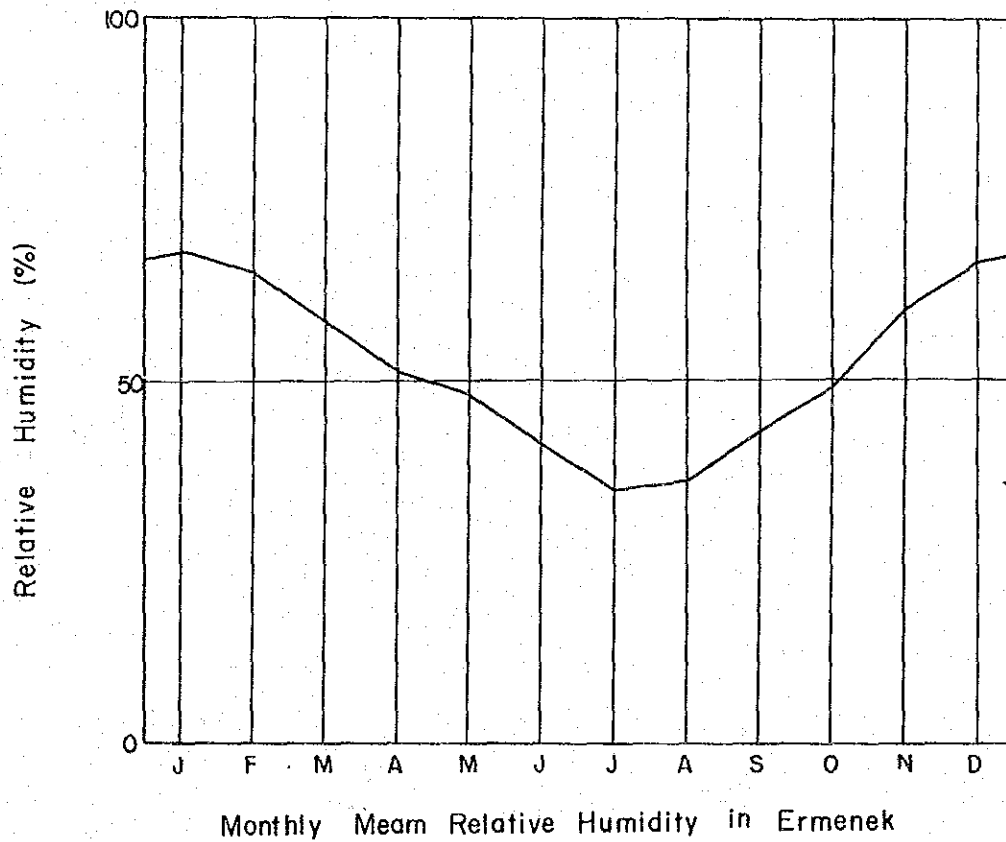
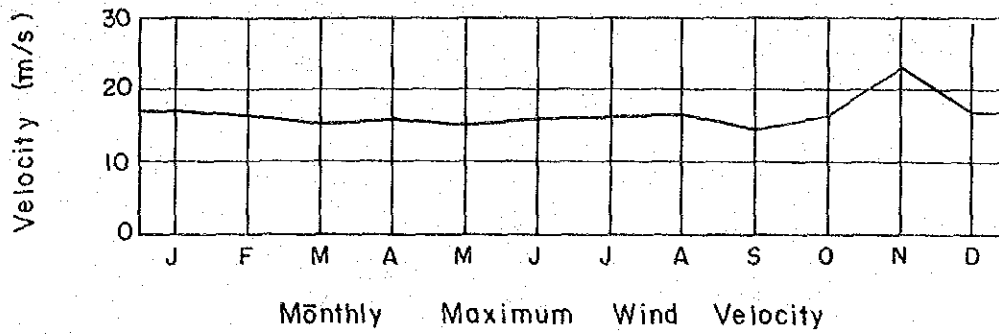
THE REPUBLIC OF TURKEY
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GENEL MÜDÜRLÜĞÜ

ERMENEK HYDROELECTRIC POWER
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JAPAN INTERNATIONAL COOPERATION AGENCY

TITLE

図 5.6

ギョクス流域の気候の特徴(1/2)



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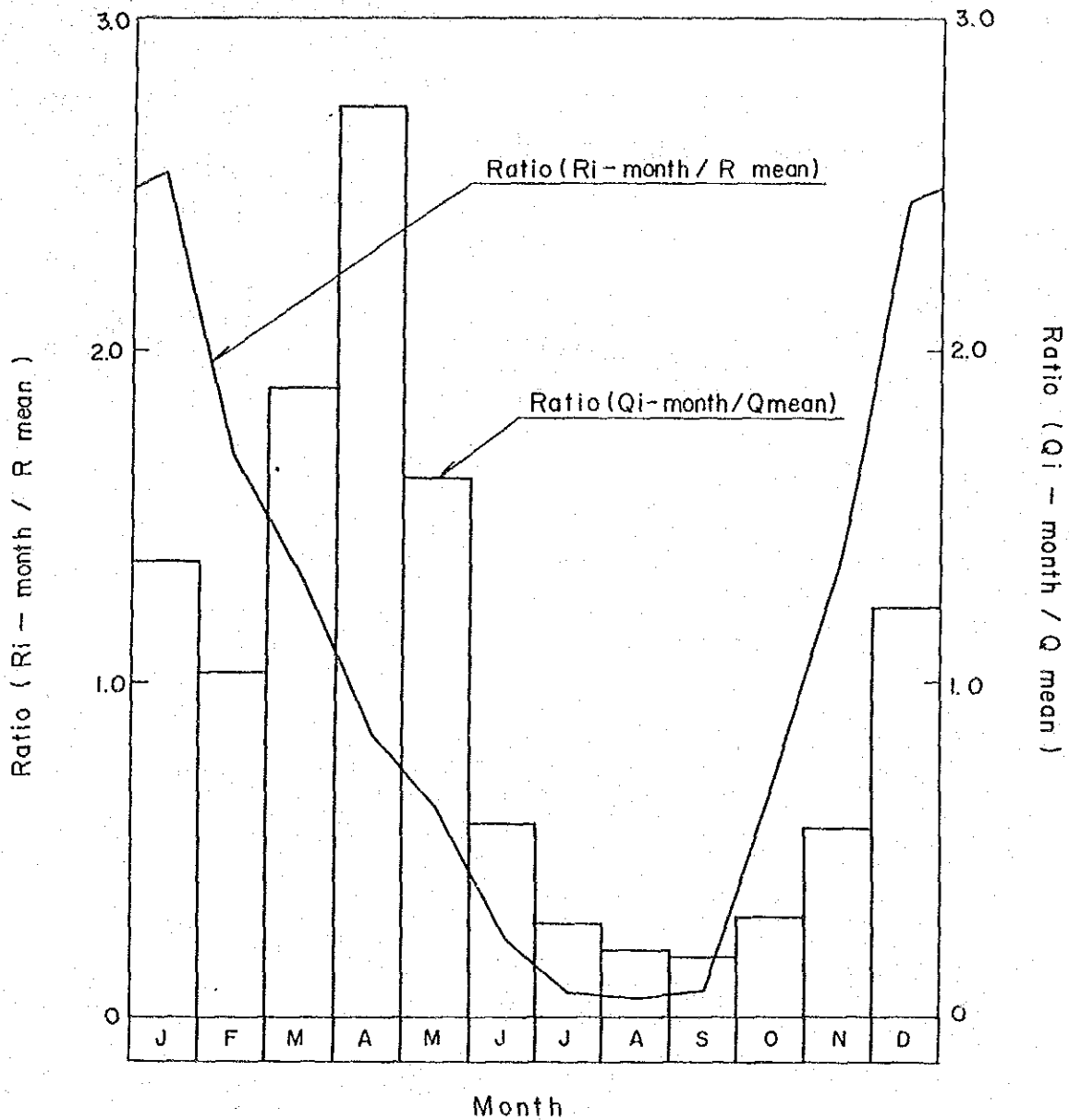
ERMENEK HYDROELECTRIC POWER
DEVELOPMENT PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY

TITLE

図5.7

ギョクス流域の気候の特徴(2/2)



N. B. Ri-month = average value of monthly mean rainfalls of Goktepe, Ermenek and Kazanci (1965~1987)

Qi-month = monthly mean runoff at 17~14 (1965~1987)



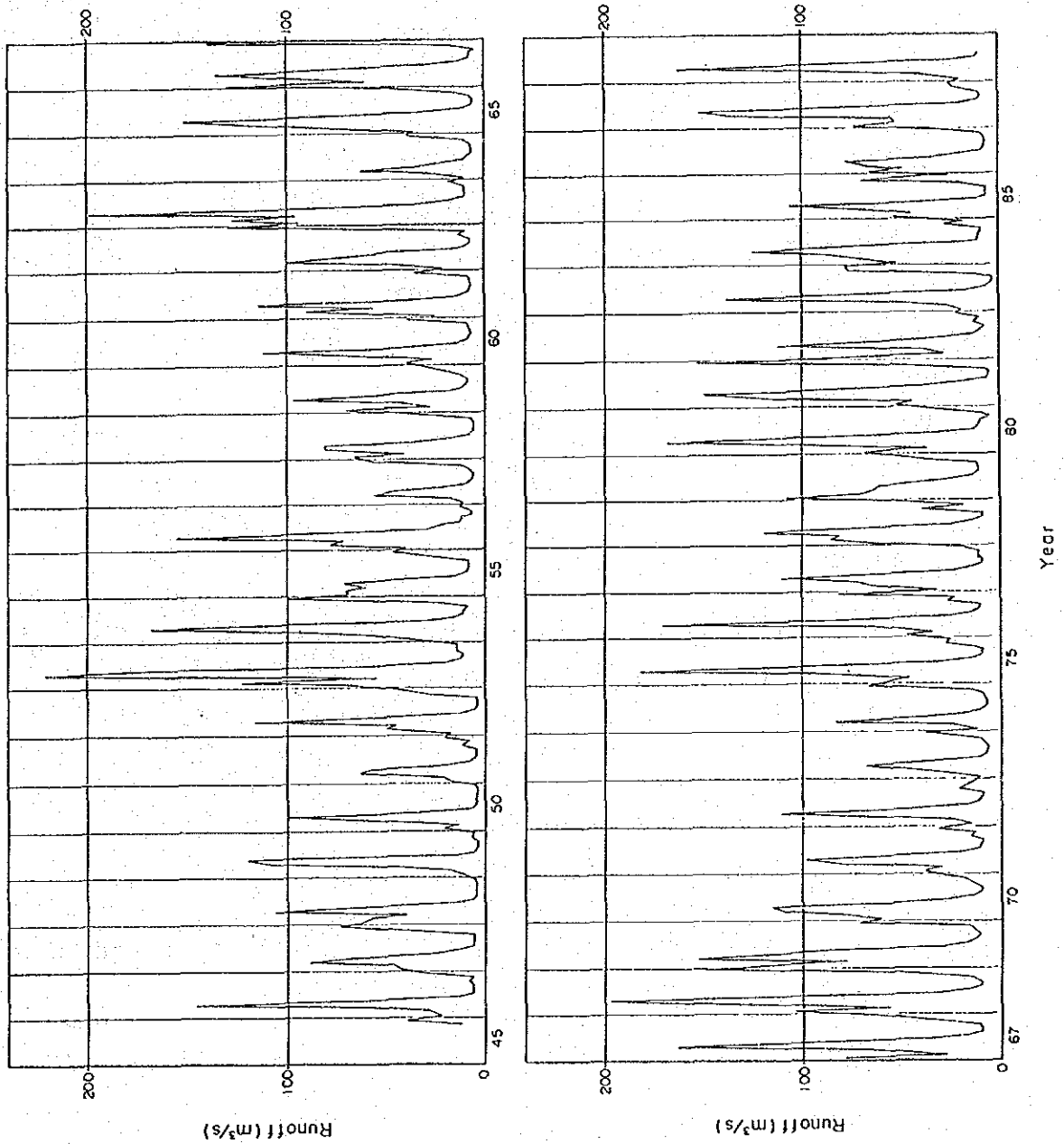
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TITLE
図5.8

エルマネック流域の月別降雨
と流量の平均パターン



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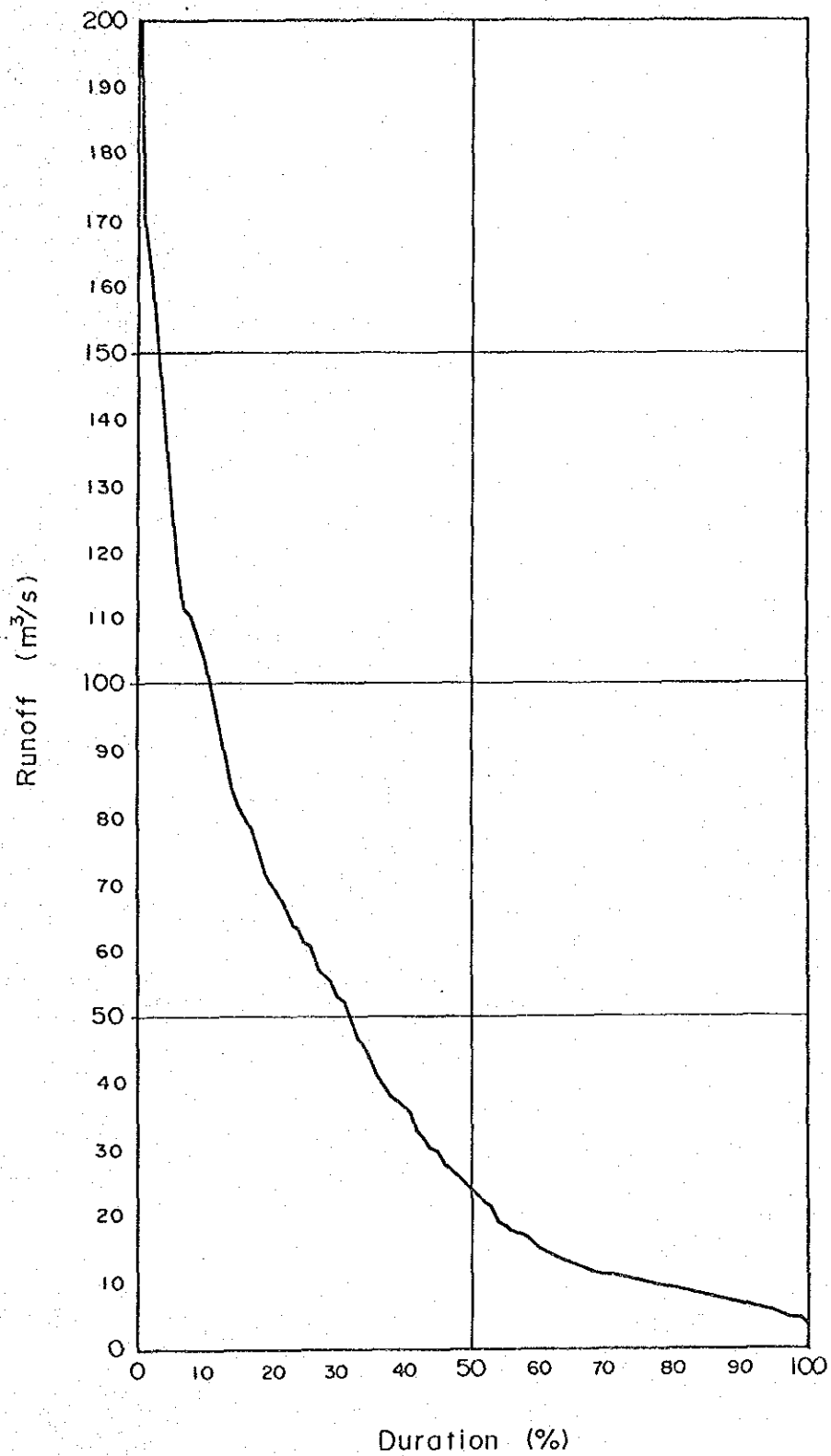
ERMENEK HYDROELECTRIC POWER
DEVELOPMENT PROJECT

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TITLE

図5.9

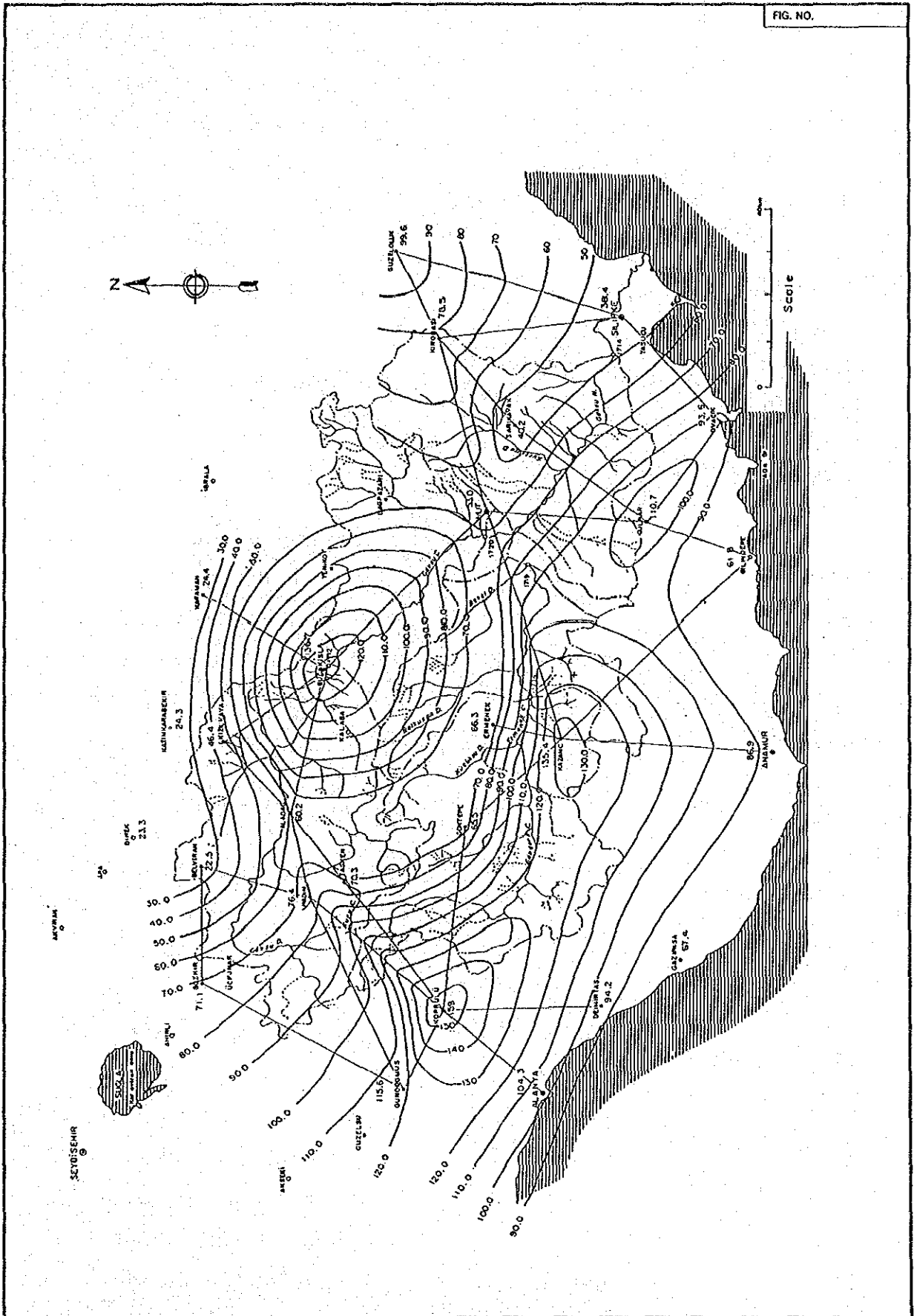
推定月別流入量シリーズ




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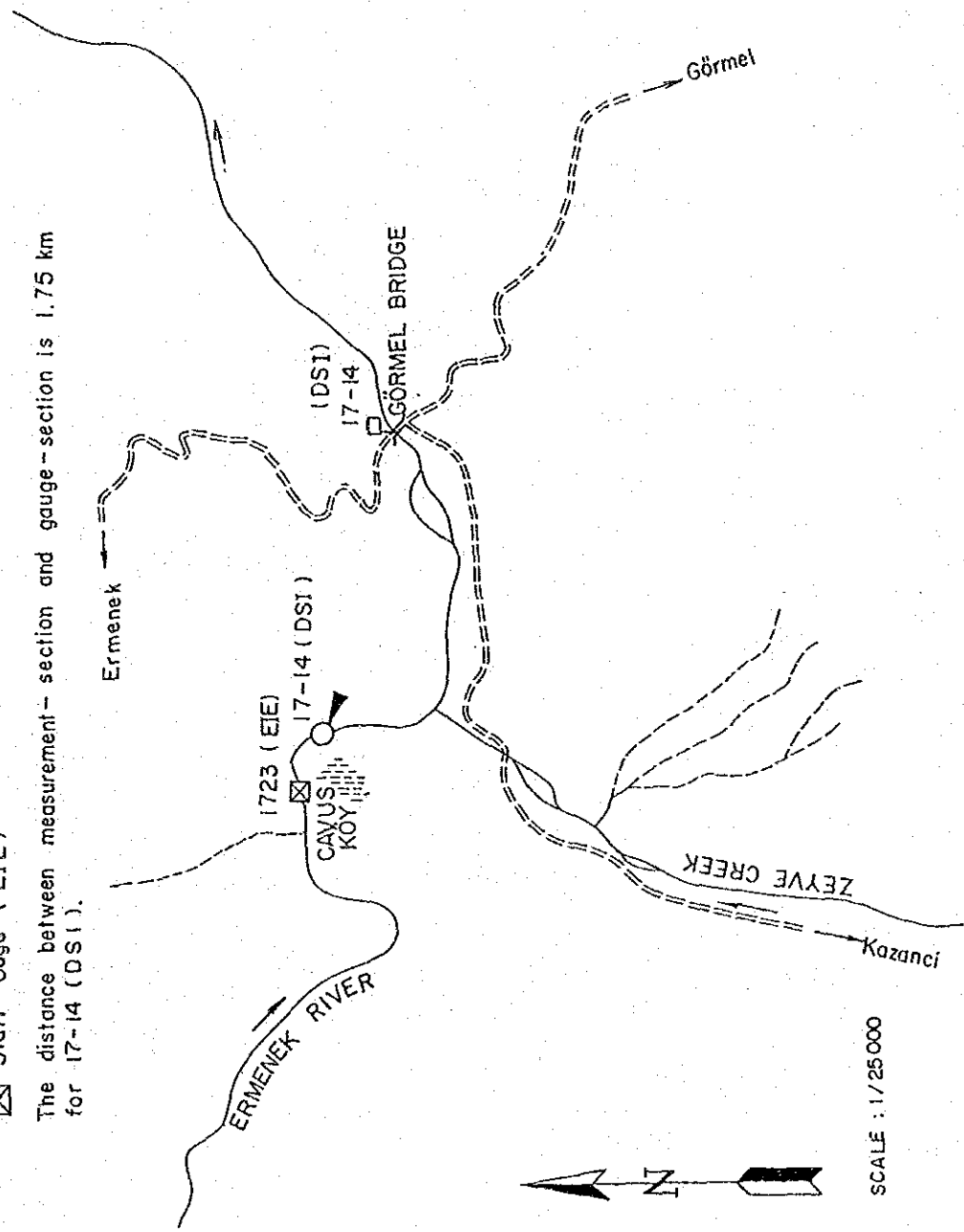
TITLE 図5.10
測水所17-14の推定流量の
持続曲線



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- ▼ Flow Measuring Site (Cable Car) (DSI and EIE)
- Staff Gage and water Level Recorder Site (DSI)
- ⊠ Staff Gage (EIE)

The distance between measurement-section and gauge-section is 1.75 km for 17-14 (DSI).



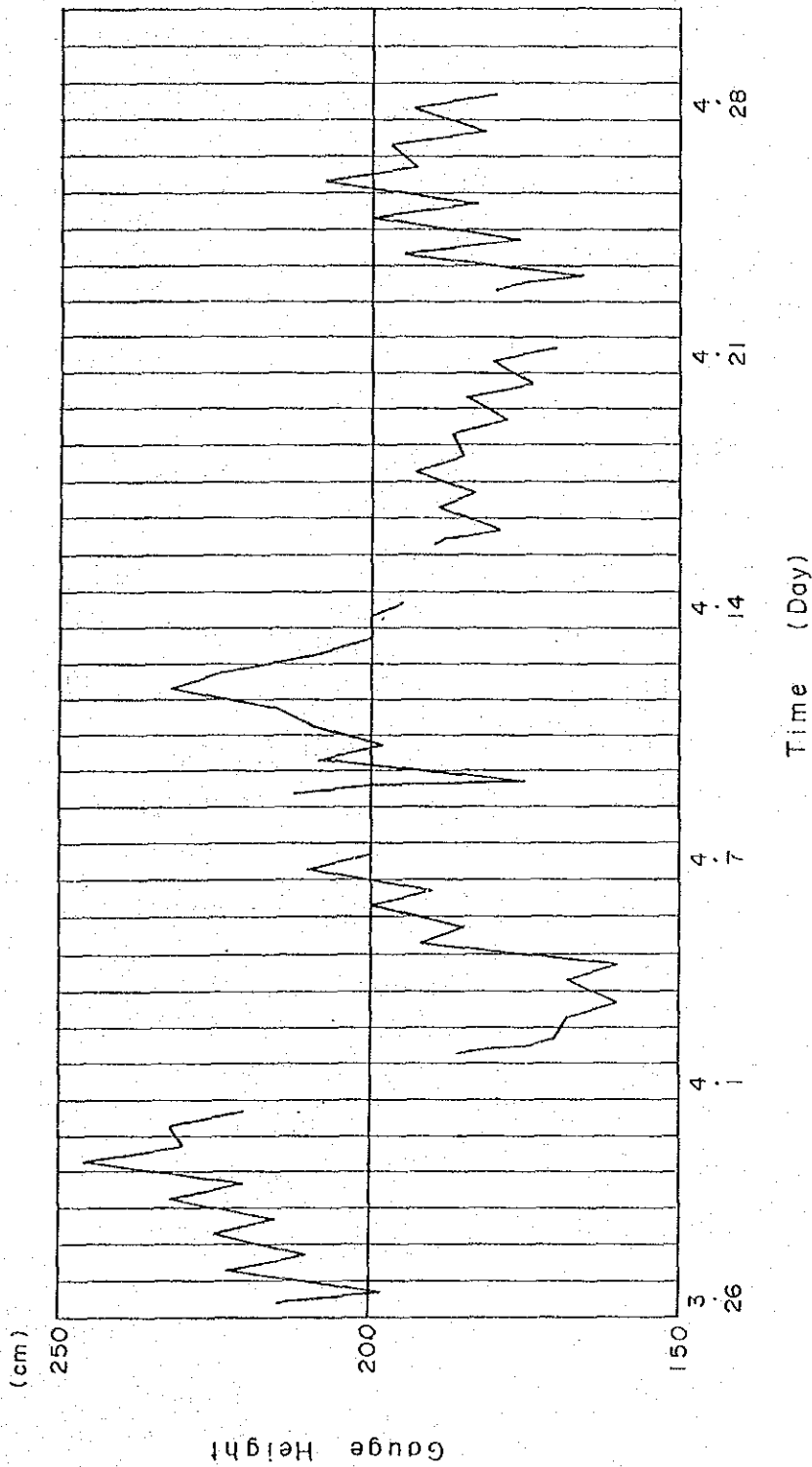
SCALE : 1/25000



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TITLE 図5.12
ダムサイト周辺の測水所の
位置図



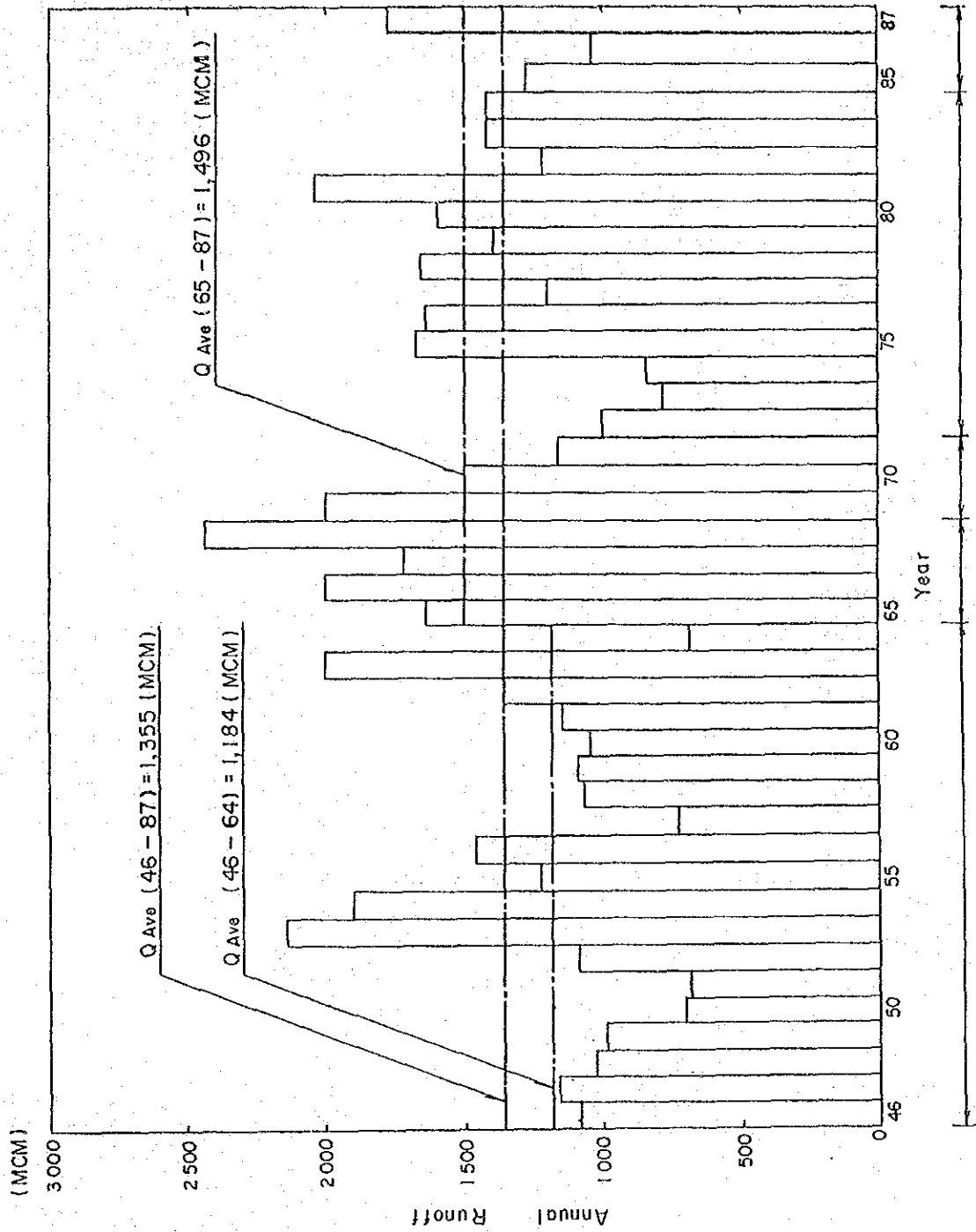
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TITLE

図5.13
融雪期の河川水位の
日変動記録



Data source St. No. 1703 (Extrapolated) 17-14 1719 17-14 1723

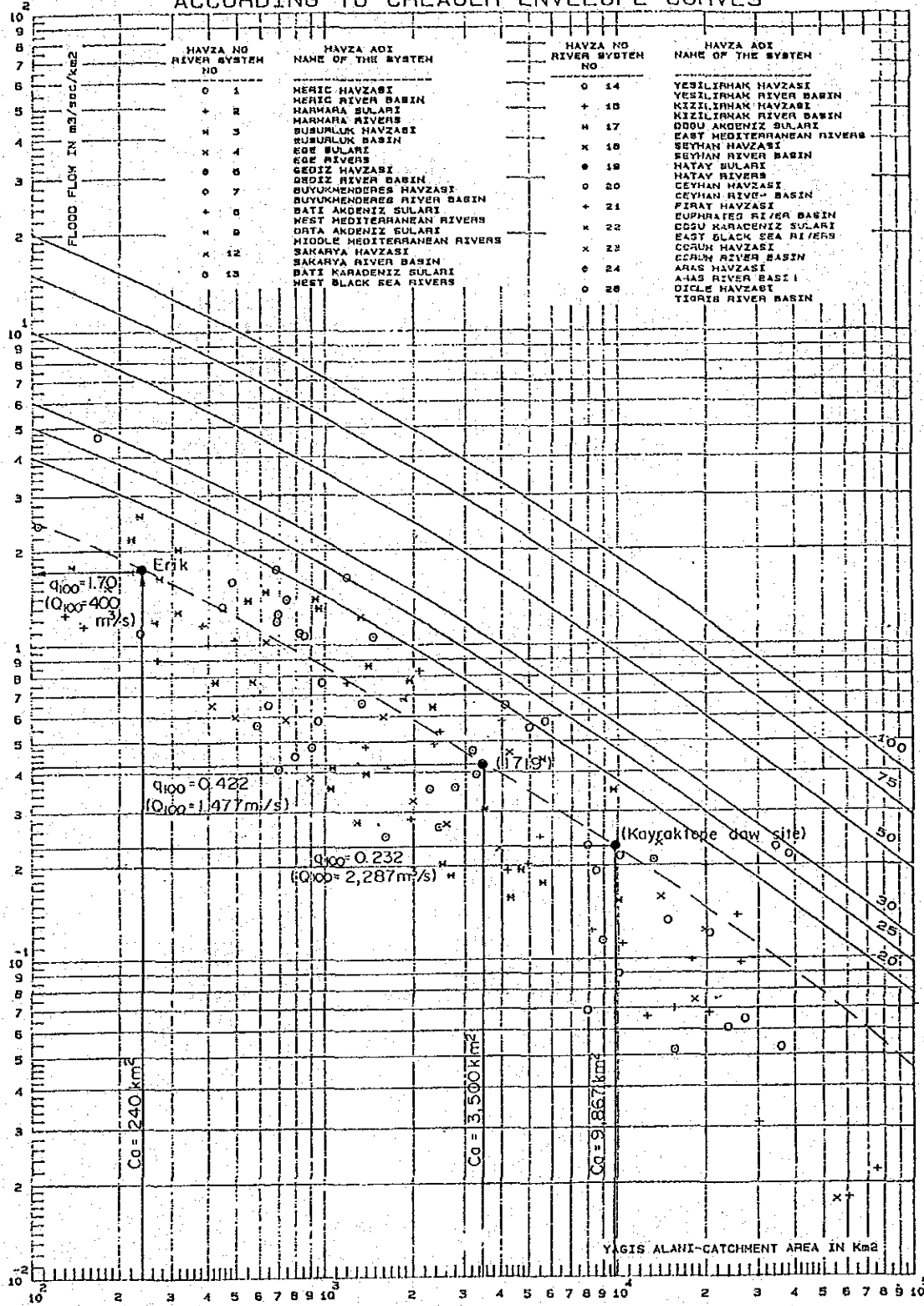


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TITLE 図5.14
エルマネック貯水池の
推定年流入量シリーズ

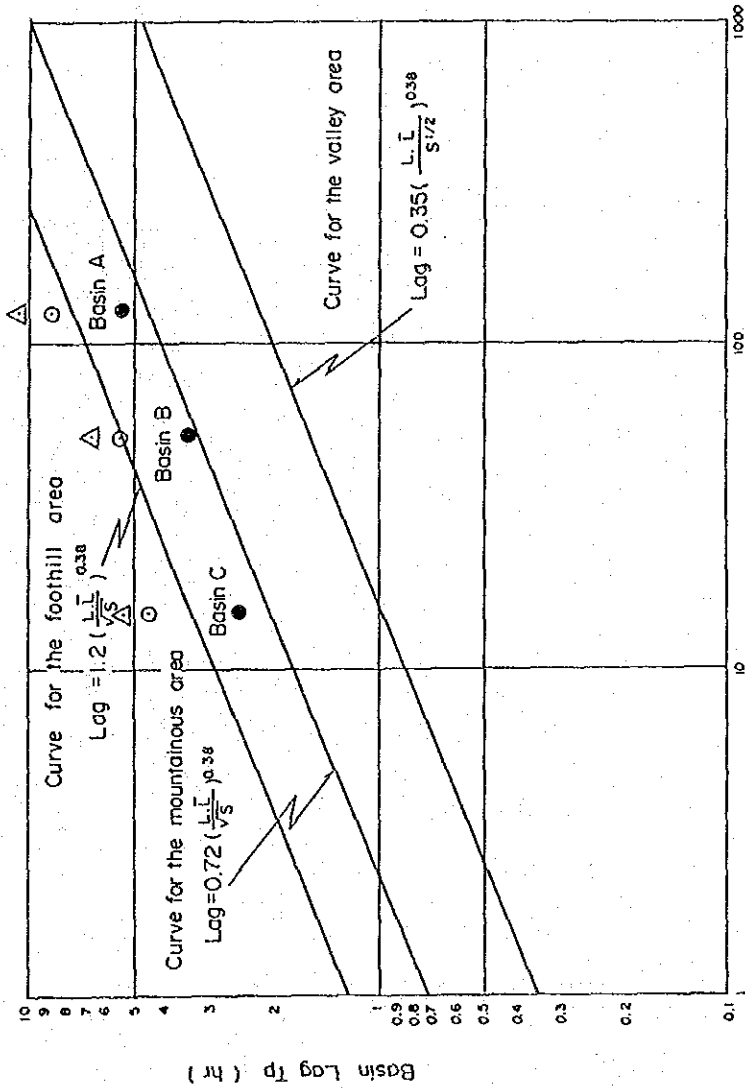
RECORDED MAXIMUM FLOOD FLOWS
AT SOME HYDROMETRIC STATIONS IN TURKEY
ACCORDING TO CREAGER ENVELOPE CURVES



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TITLE 図5.15
トルコの流域面積～
既往最大洪水比流量図



Legend

- Seyhan ●
- Göksu △
- Feb. 1975 △
- Jan. 1971 ○



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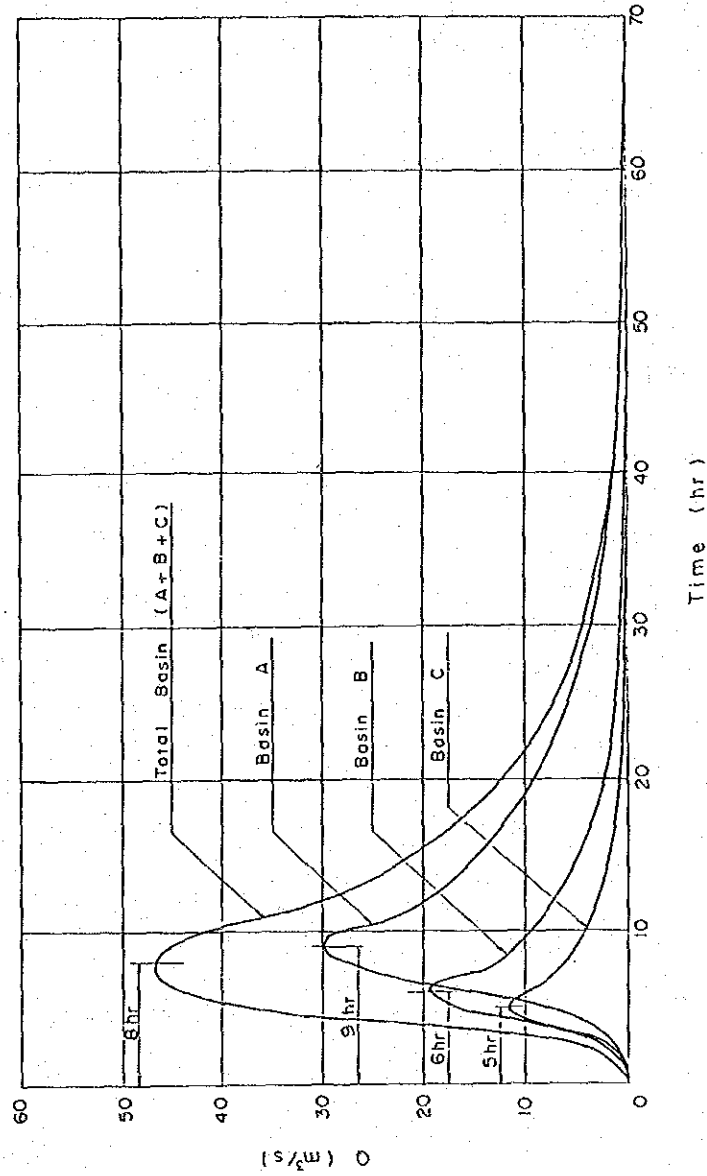
ERMENEK HYDROELECTRIC POWER
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JAPAN INTERNATIONAL COOPERATION AGENCY

TITLE

図 5.16

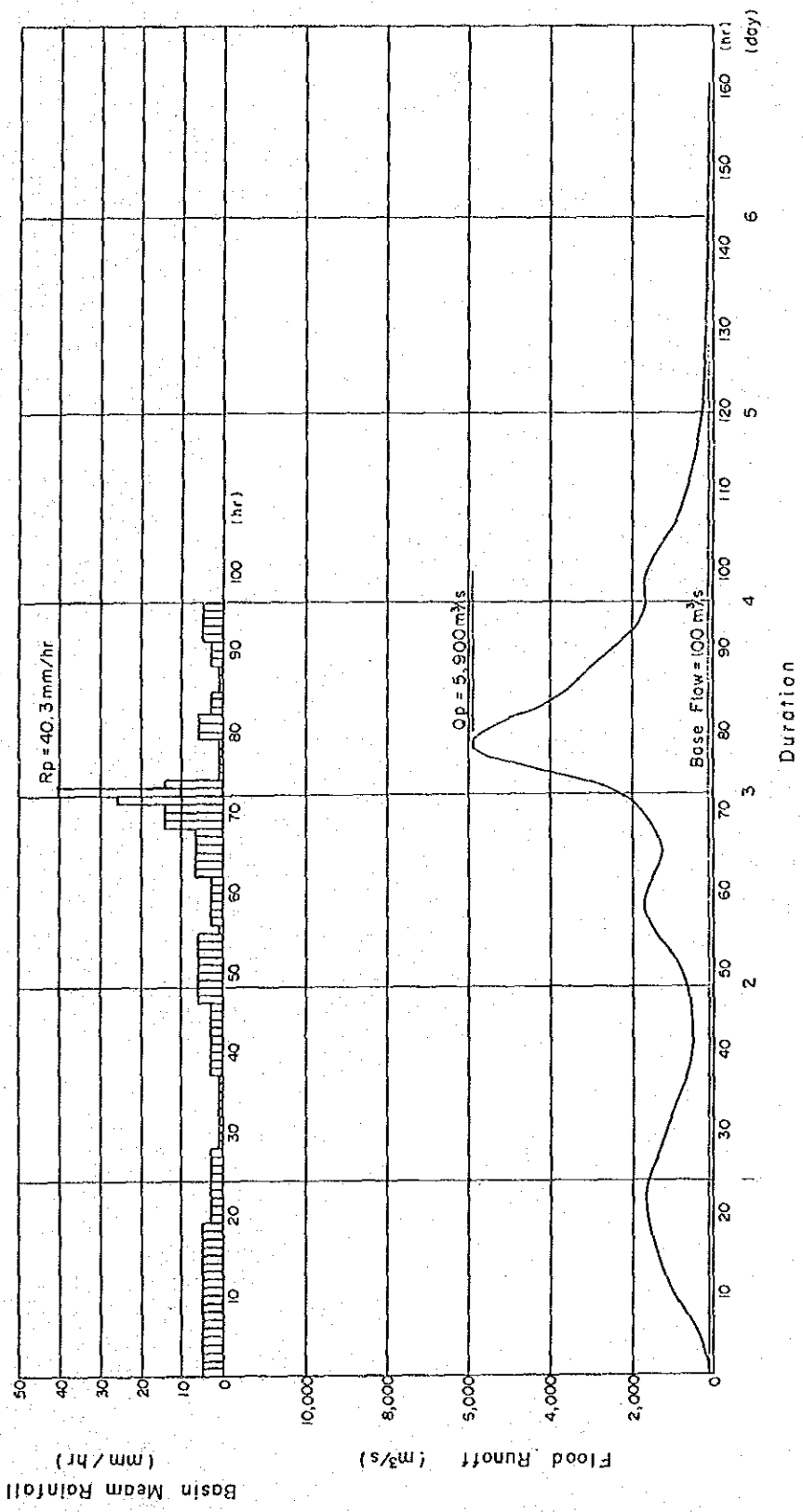
エルマネック流域の洪水の
推定遅れ時間



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TITLE 図5.17
エルマネック川の推定
ユニットグラフ



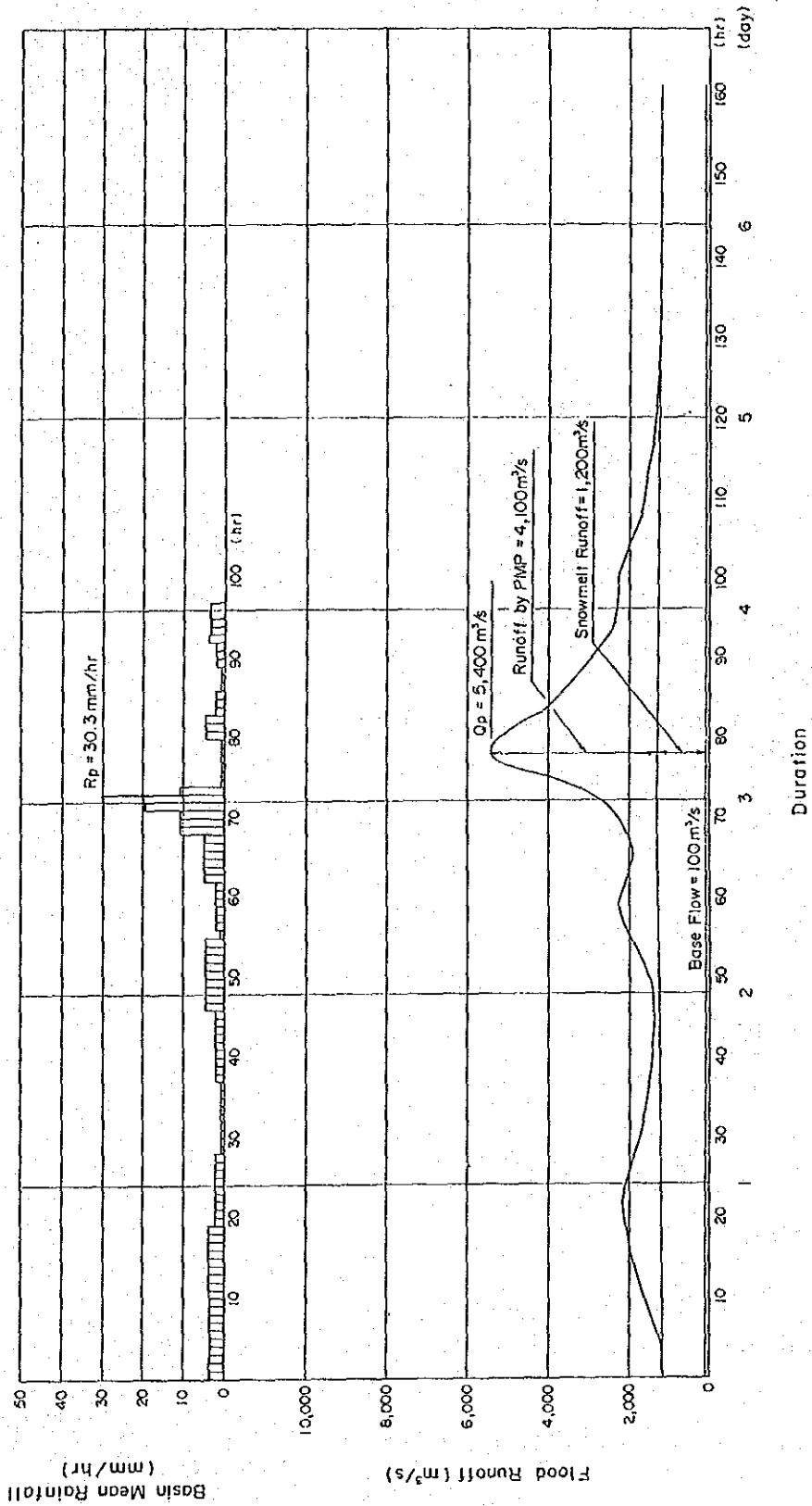
Note : Rcess = 2.0mm/hr



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TITLE
図 5.18
1月の可能最大洪水



Note : $R_{loss} = 2.0 \text{ mm/hr}$

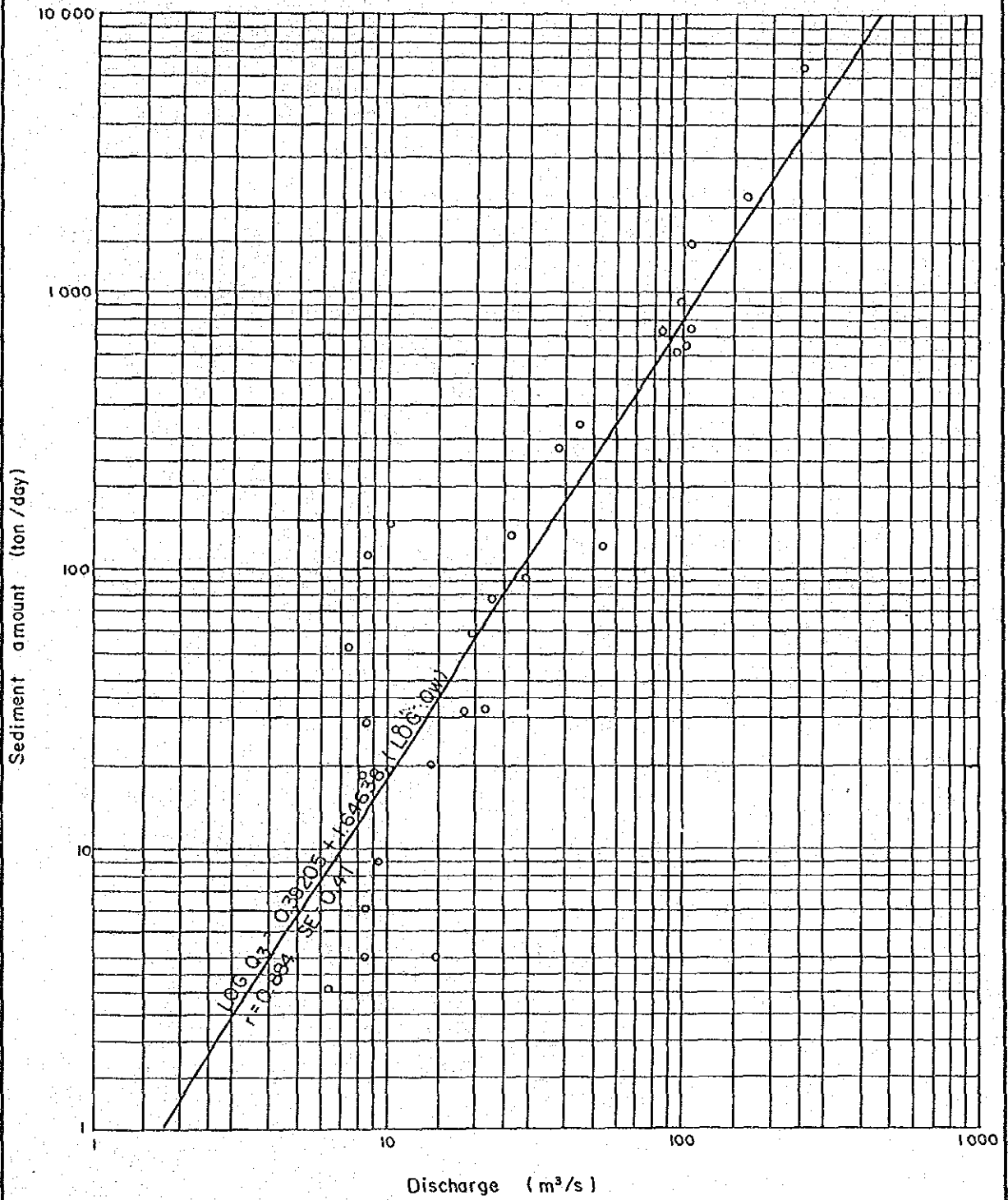


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TITLE

図 5.19
4月の可能最大洪水

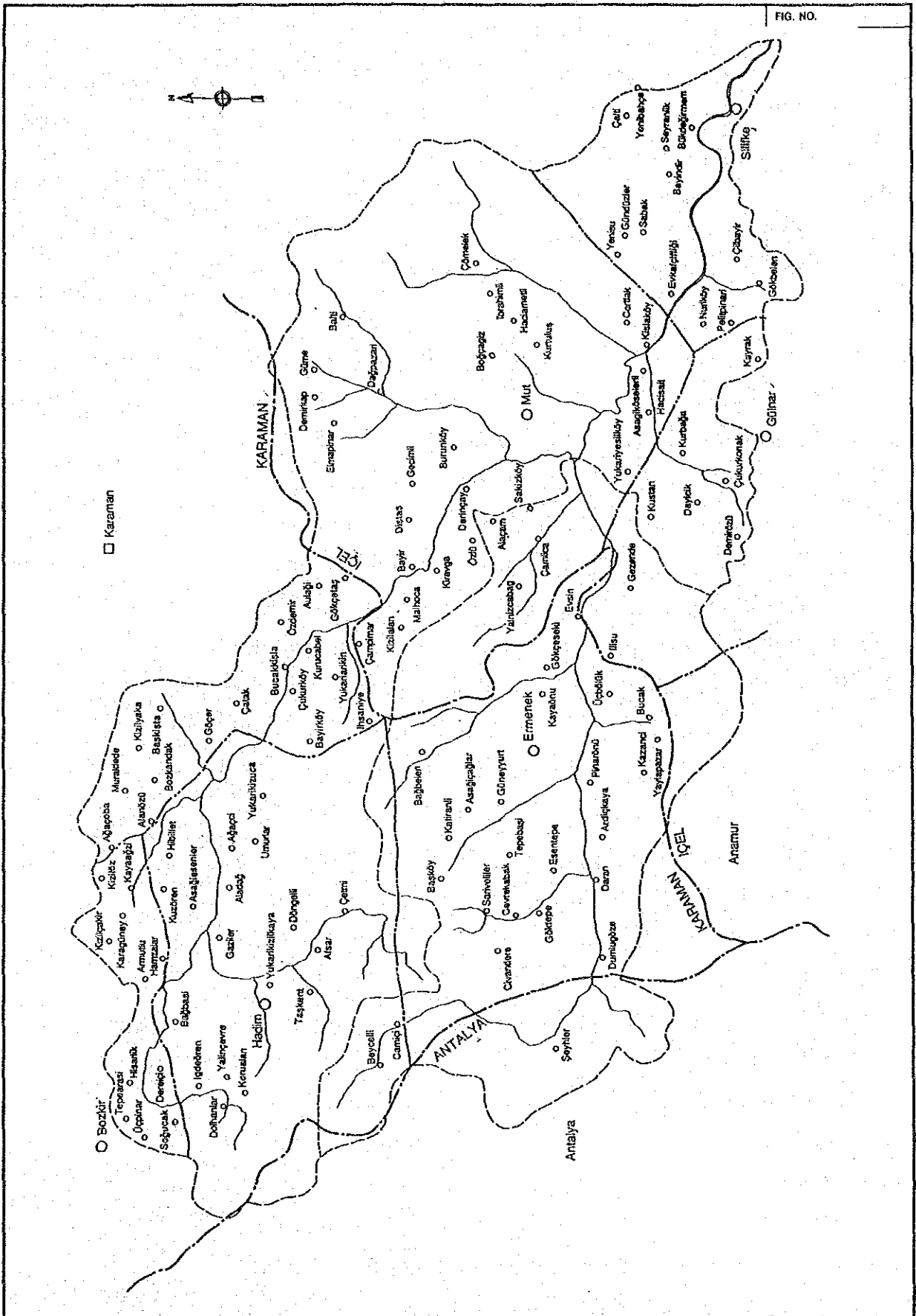


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TITLE

图 5.20
流量~浮流砂量曲线



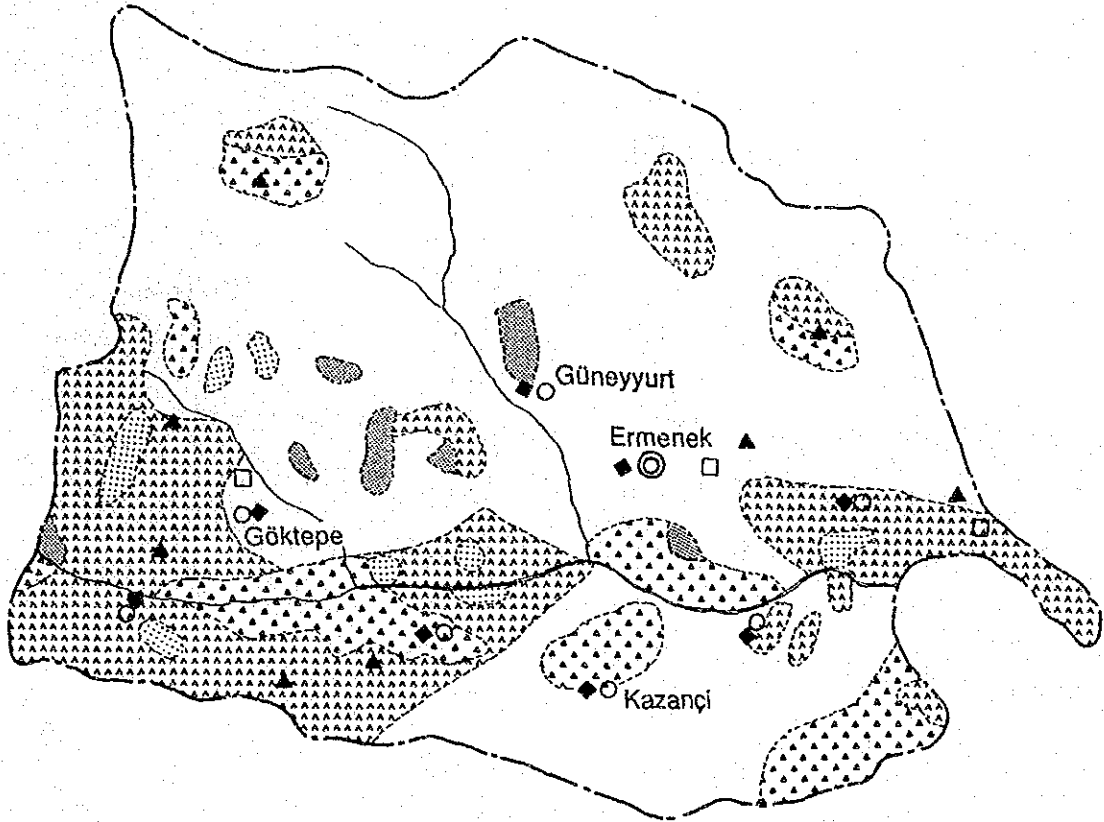
THE REPUBLIC OF TURKEY
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






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図5.21
計画地域の行政区画



-  Grove forest
-  Degraded grove forest
-  Village where tree cutting is allowed
-  Village where tree cutting is not allowed
-  Off-forest depot
-  Fire tower
-  Protection center



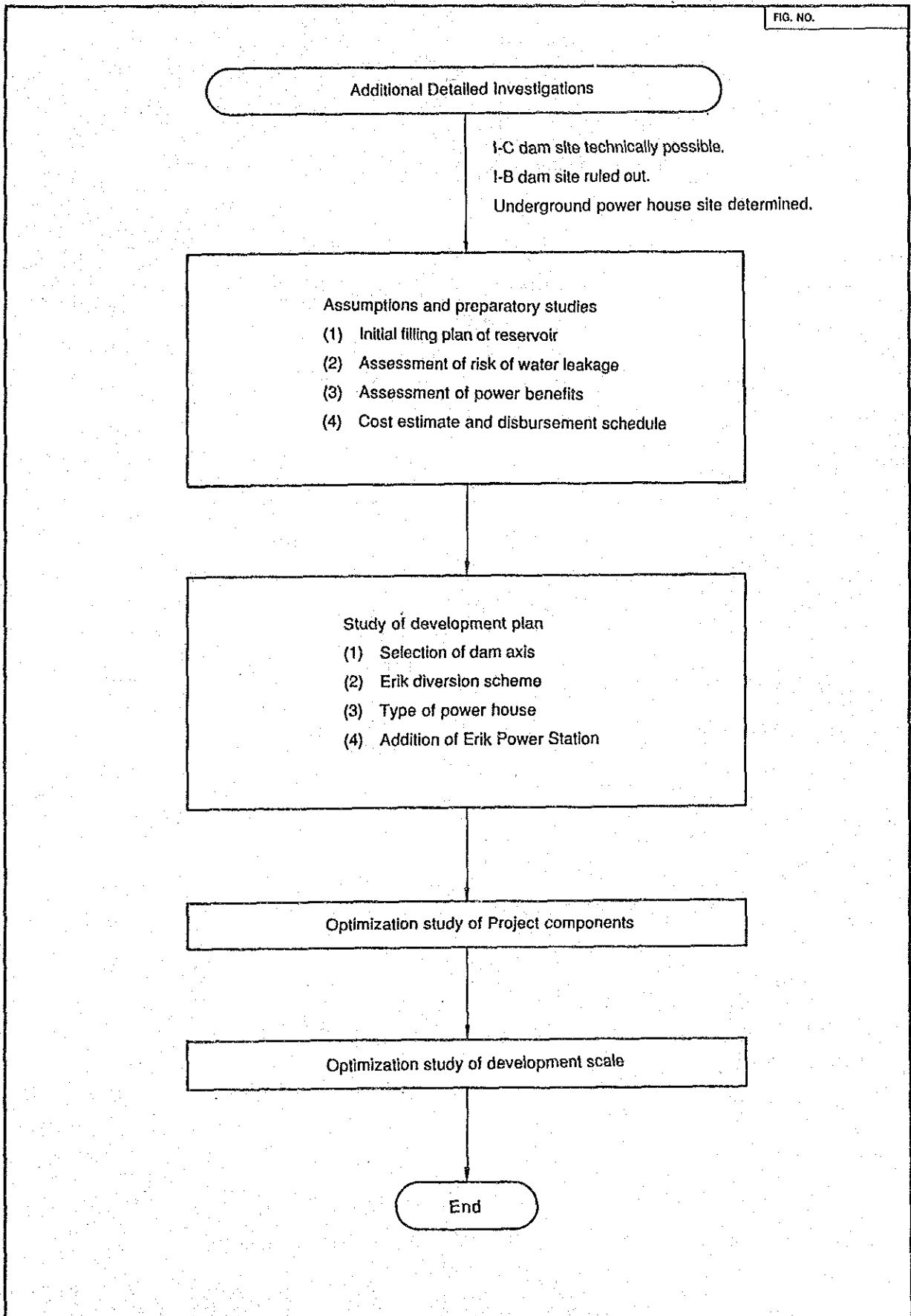
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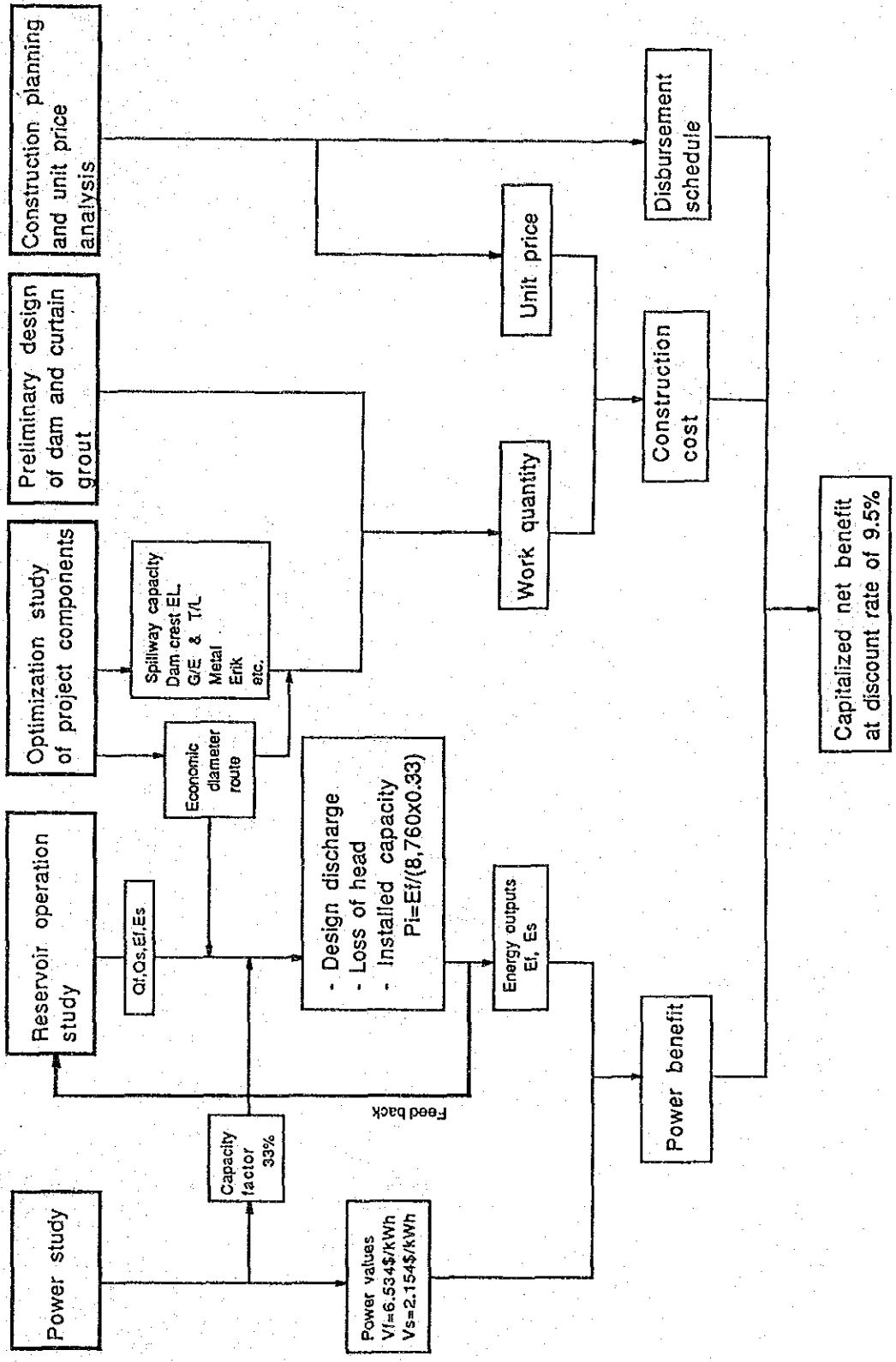
JAPAN INTERNATIONAL COOPERATION AGENCY

TITLE
図 5.22

エルマネック郡の森林地帯と
関連施設



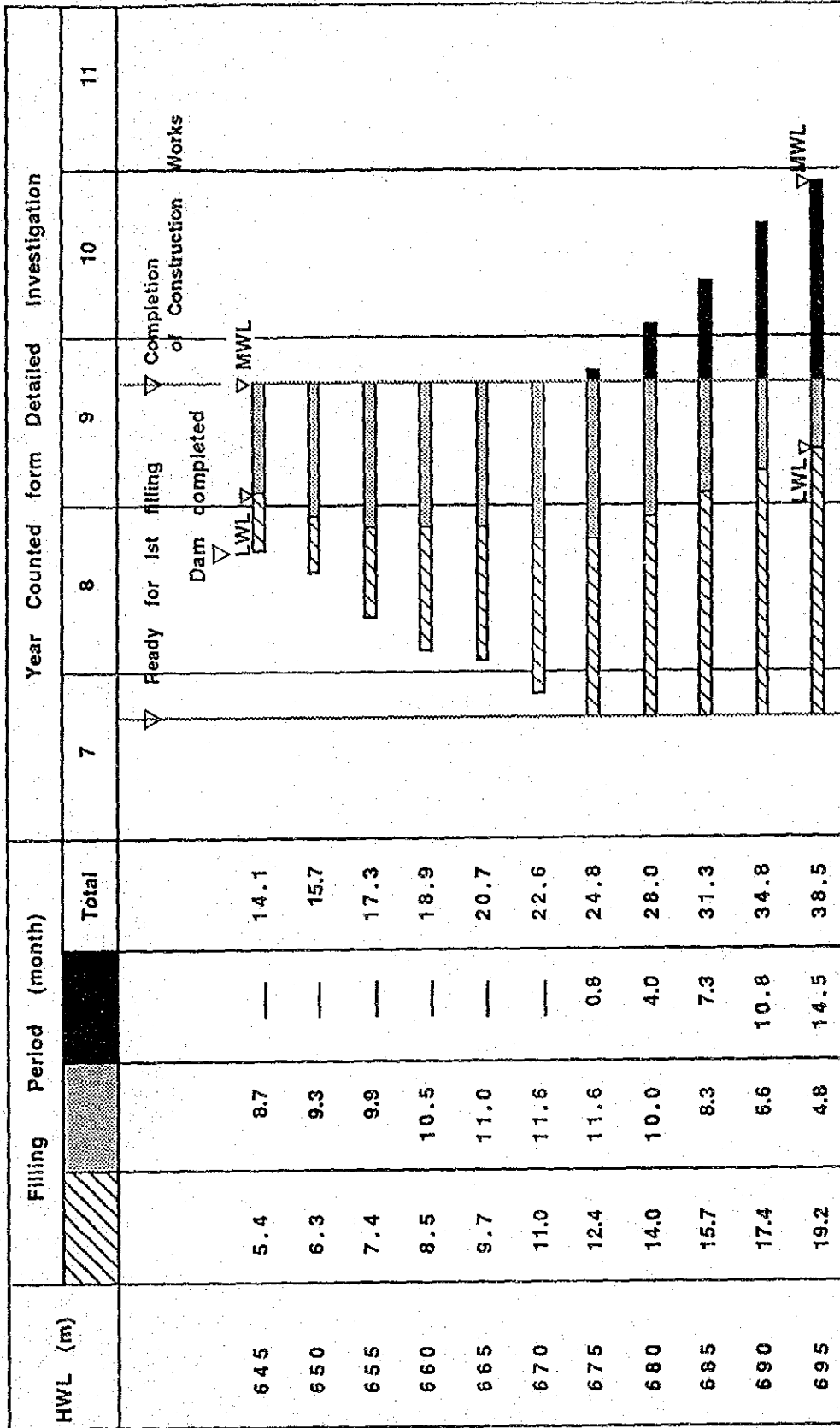
	THE REPUBLIC OF TURKEY ELEKTRİK İŞLERİ ETÜD İDARESİ GENEL MÜDÜRLÜĞÜ	ERMENEK HYDROELECTRIC POWER DEVELOPMENT PROJECT	TITLE 図7.1 最適開発計画立案作業の フローチャート
		JAPAN INTERNATIONAL COOPERATION AGENCY	



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TITLE
図 7.2
純便益の算出手順



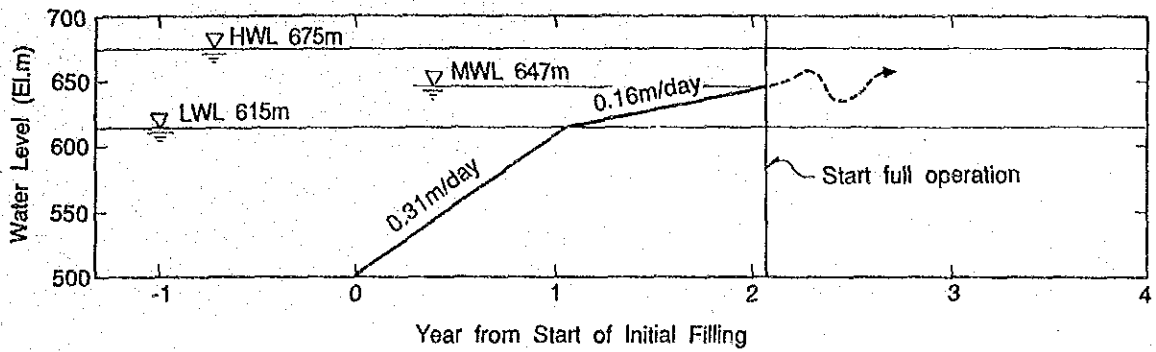
1st filling up to LWL
 2nd filling up to MWL
 3rd filling by 50% load operation



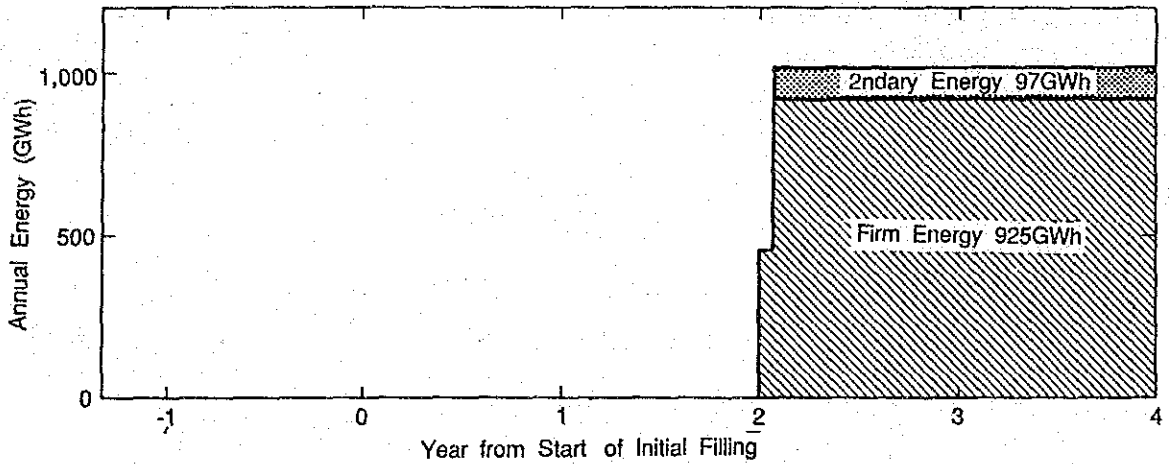
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ERMENEK HYDROELECTRIC POWER
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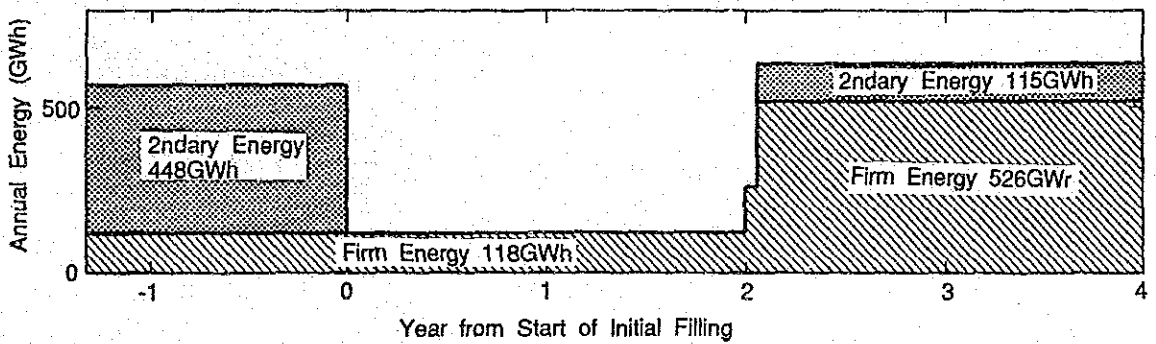
图 7.3
 代替満水位別の初期湛水期間



Water Level Rising Speed of Ermenek Reservoir



Energy Generation of Ermenek Power Station



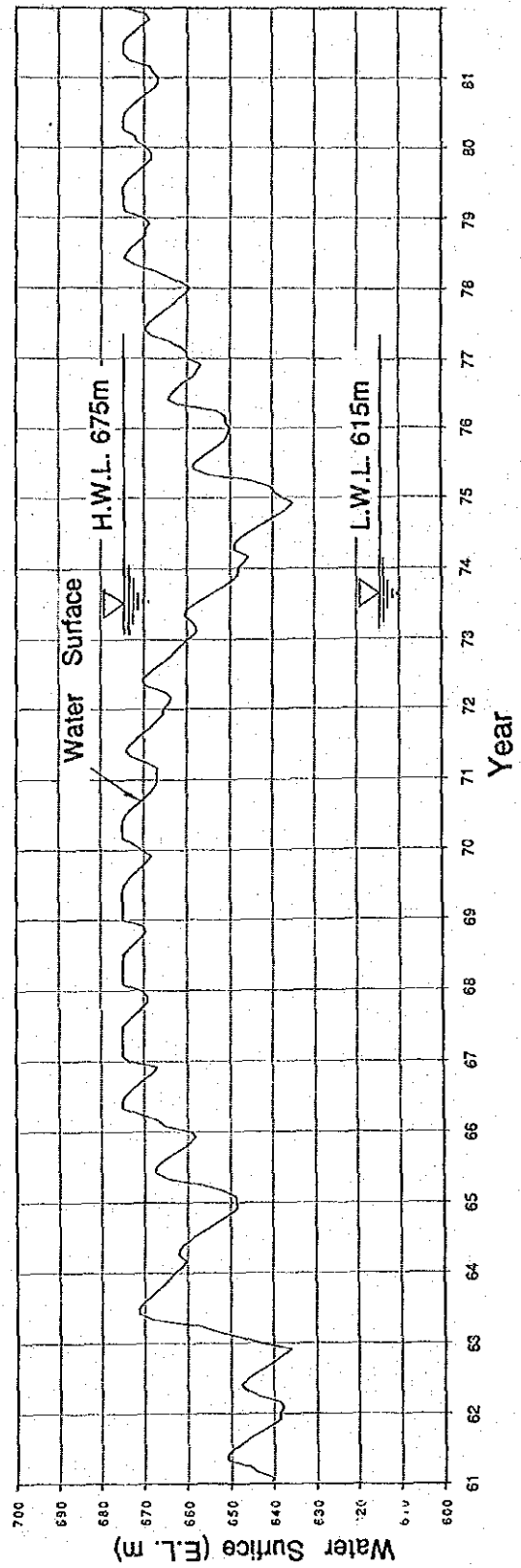
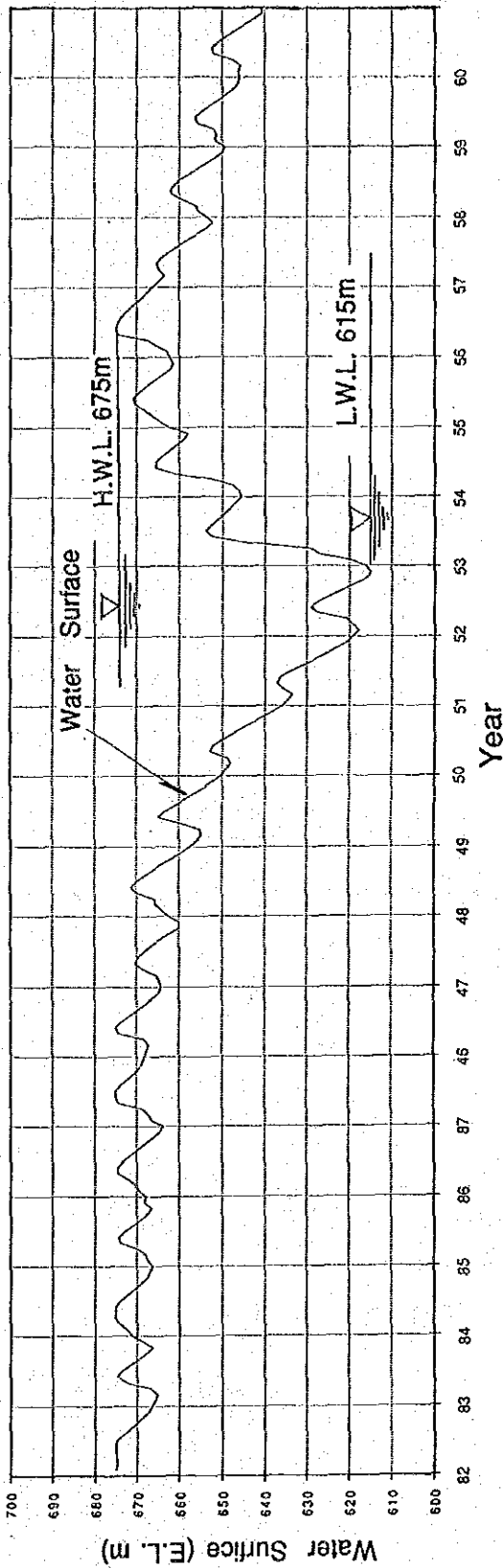
Energy Generation of Gezende Power Station



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TITLE 図7.4
エルマネック貯水池の
初期湛水計画



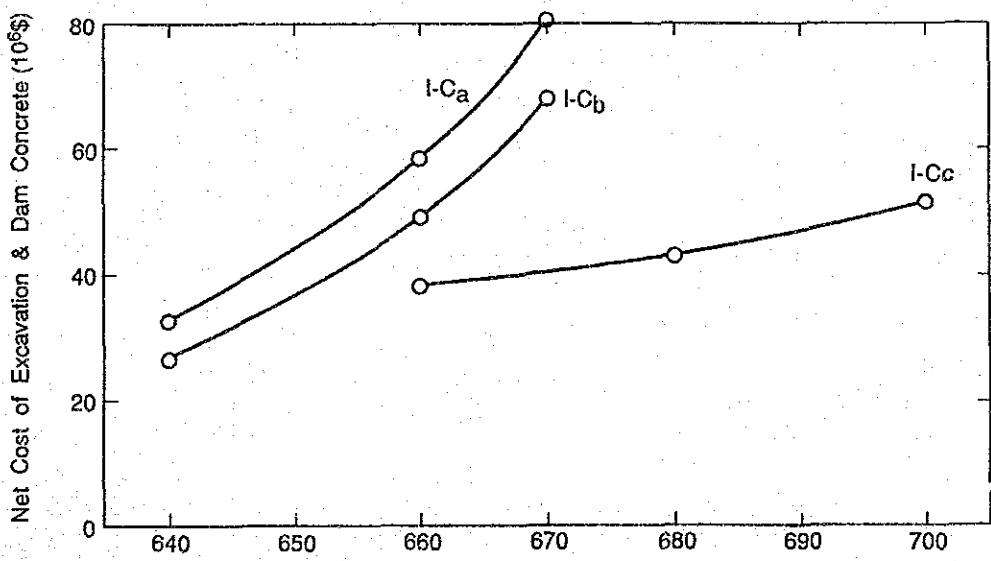
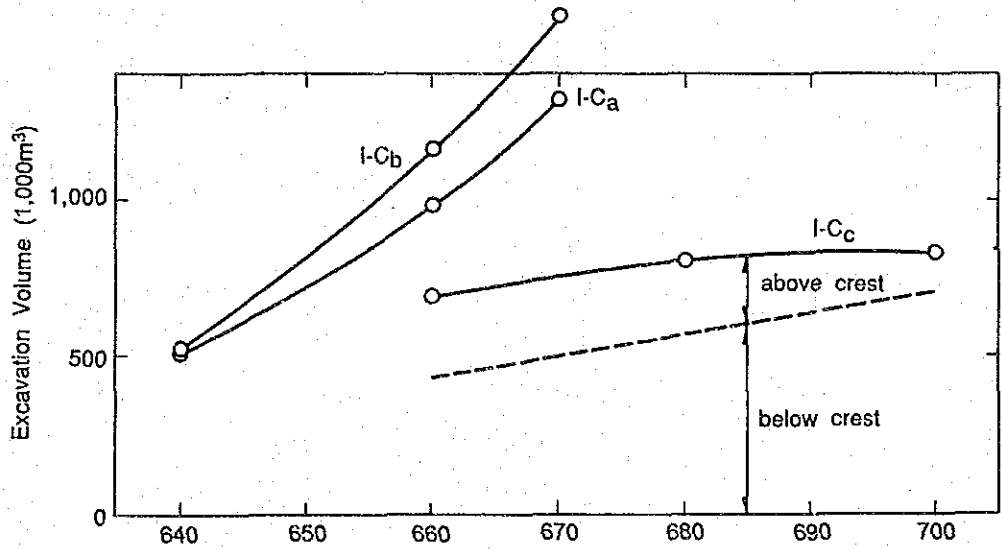
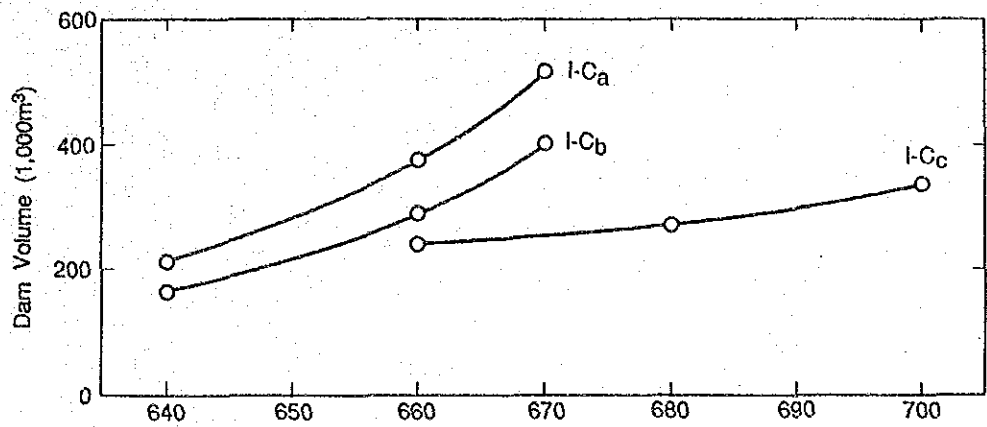
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ERMENEK HYDROELECTRIC POWER
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TITLE 図 7.5

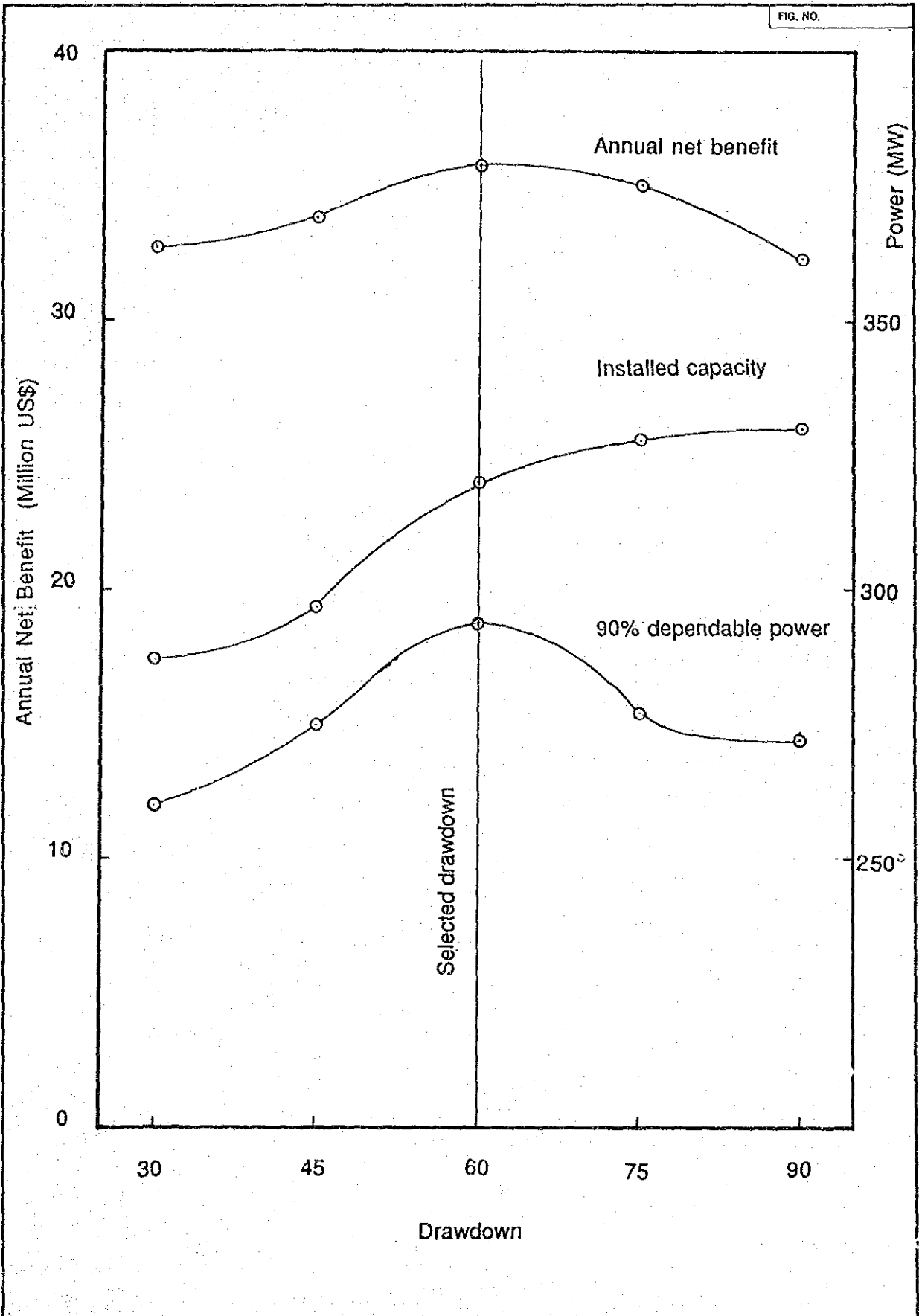
エルマネック貯水池の水位
変動のシミュレーション図



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TITLE 図7.6
ギョルメル峡谷の3つの
ダム軸のダム体積、掘削
量、建設費曲線



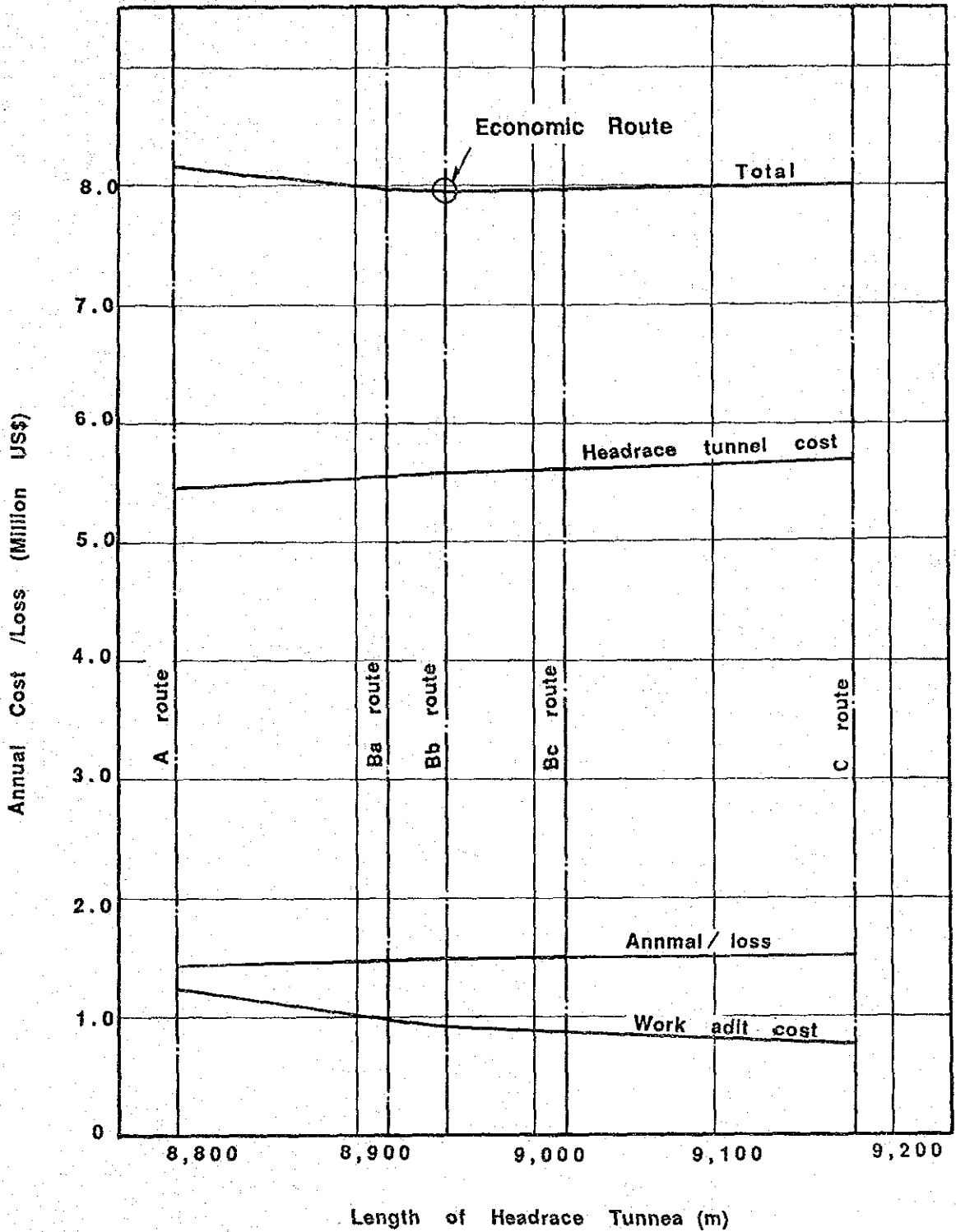
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ERMENEK HYDROELECTRIC POWER
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TITLE

図 7.7

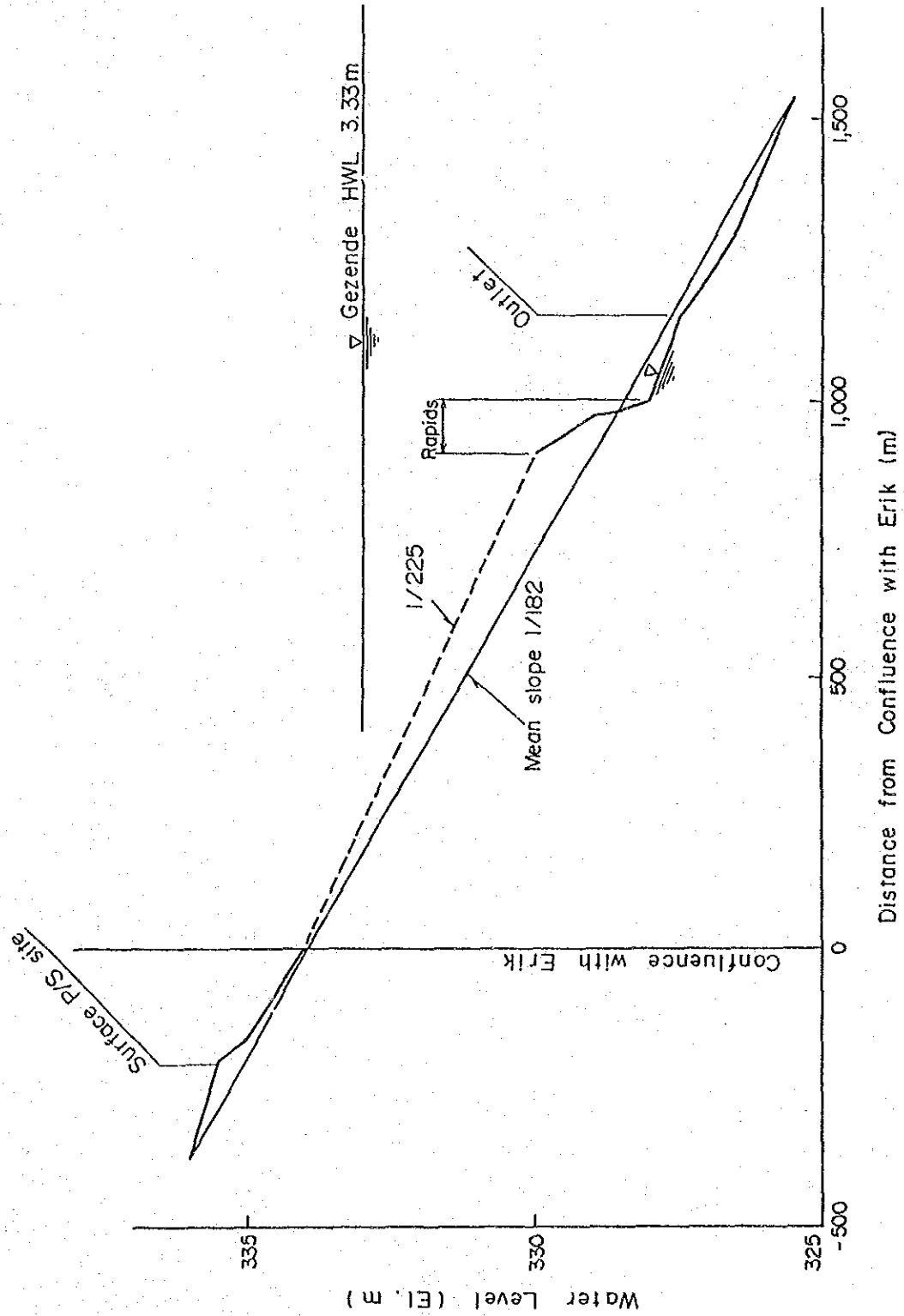
貯水池の最適利用水深



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TITLE
図7.8
導水路トンネルの最適ルート



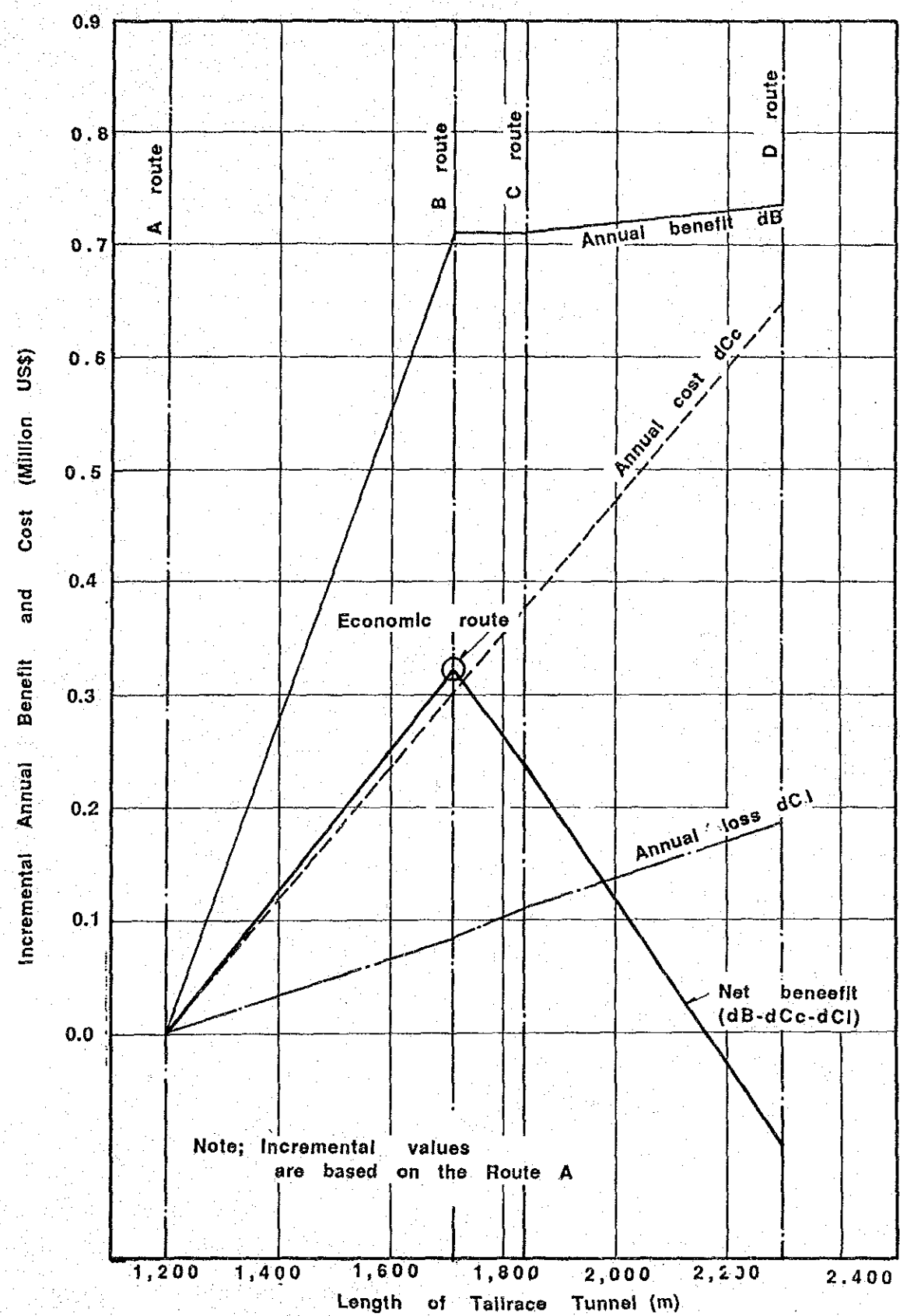
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TITLE

図 7.9

放水口周辺の河川縦断



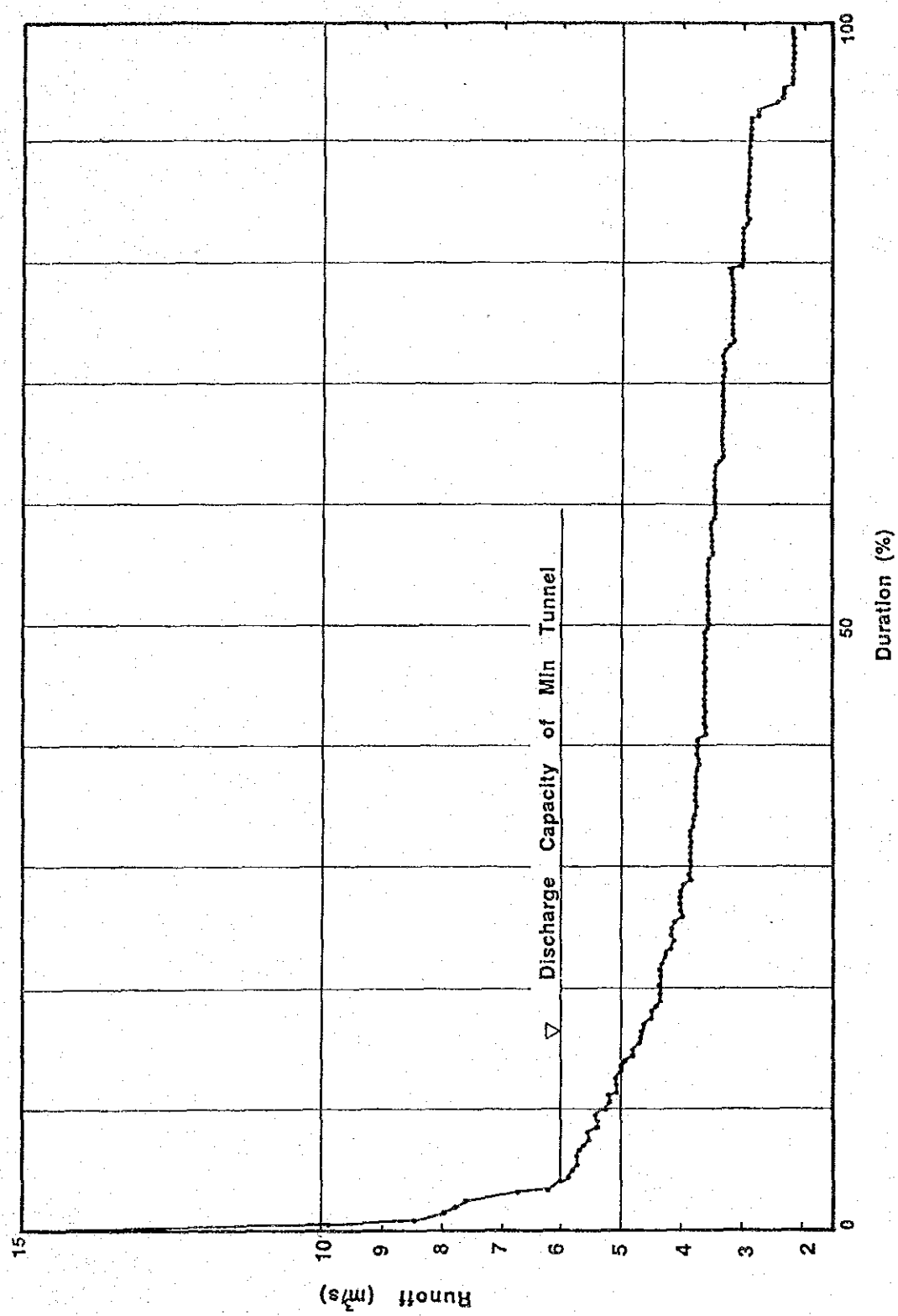
Note; Incremental values are based on the Route A



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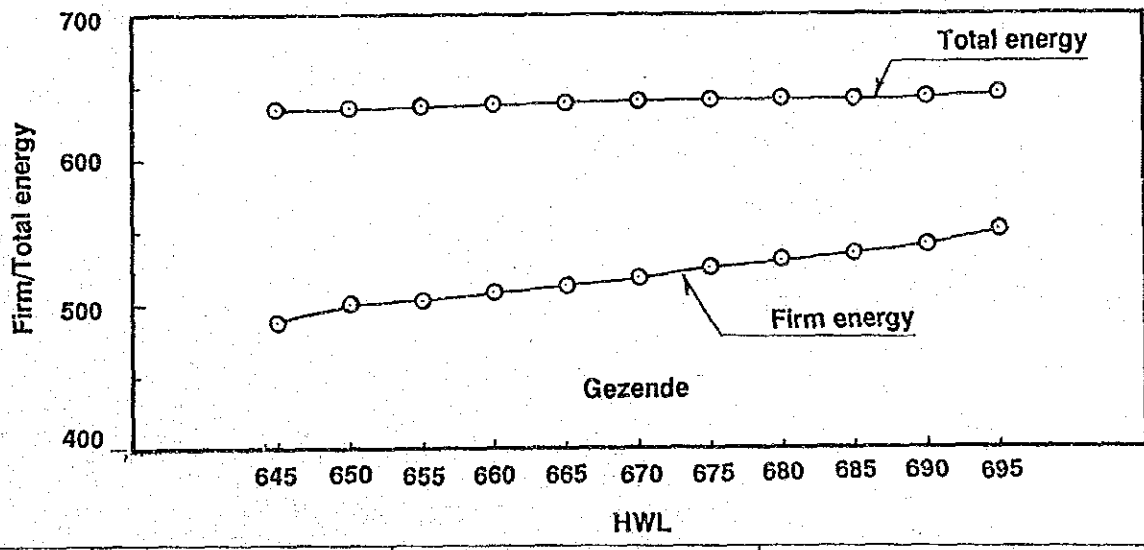
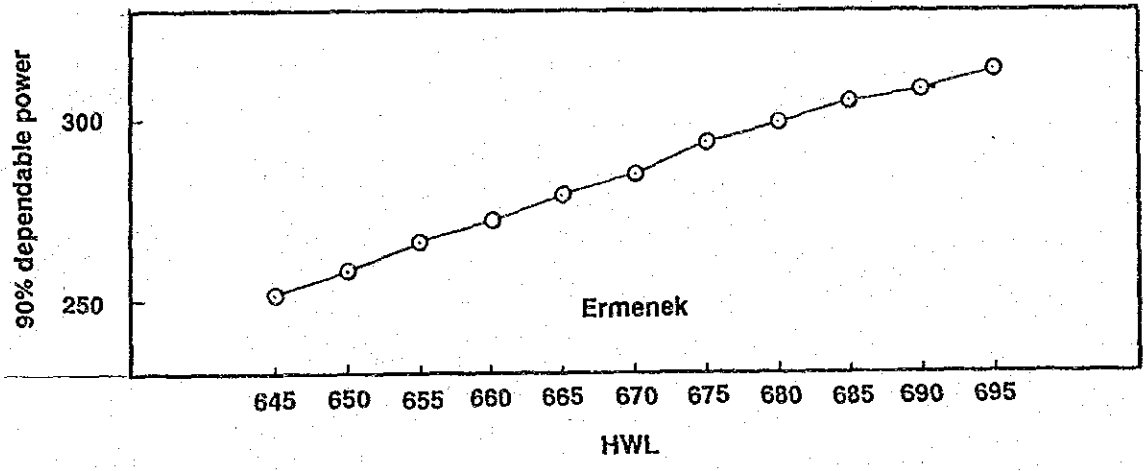
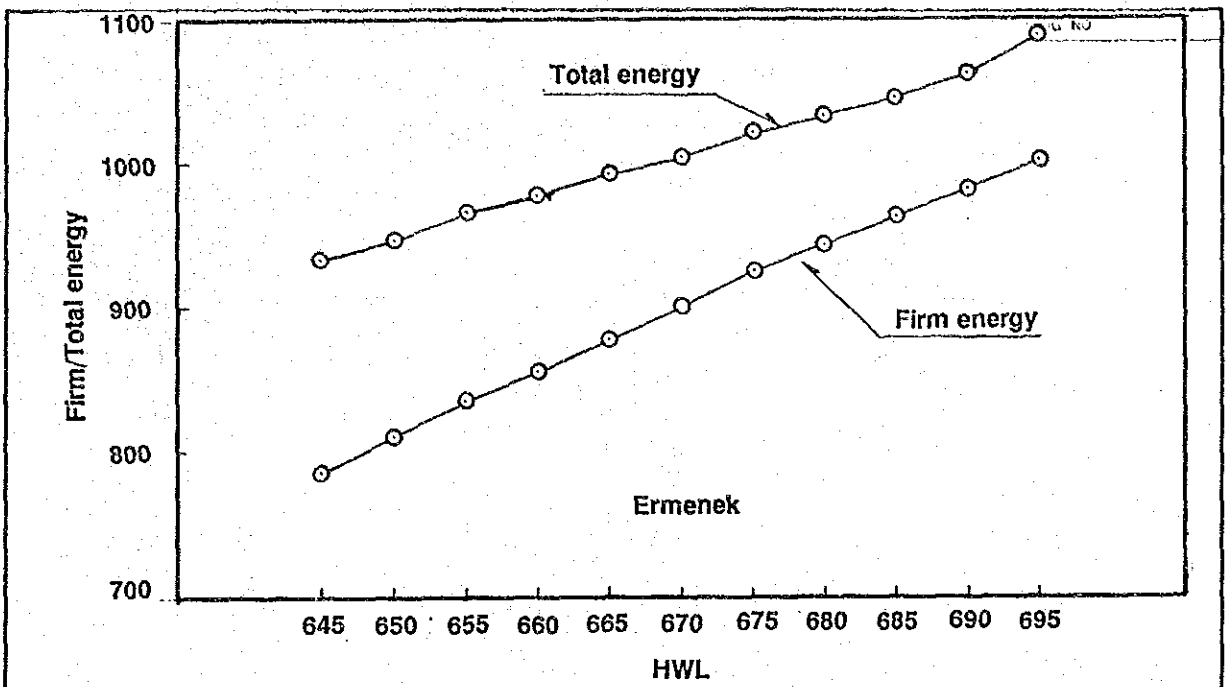
TITLE 図7.10
放水路トンネルの最適ルート
と放水口の位置



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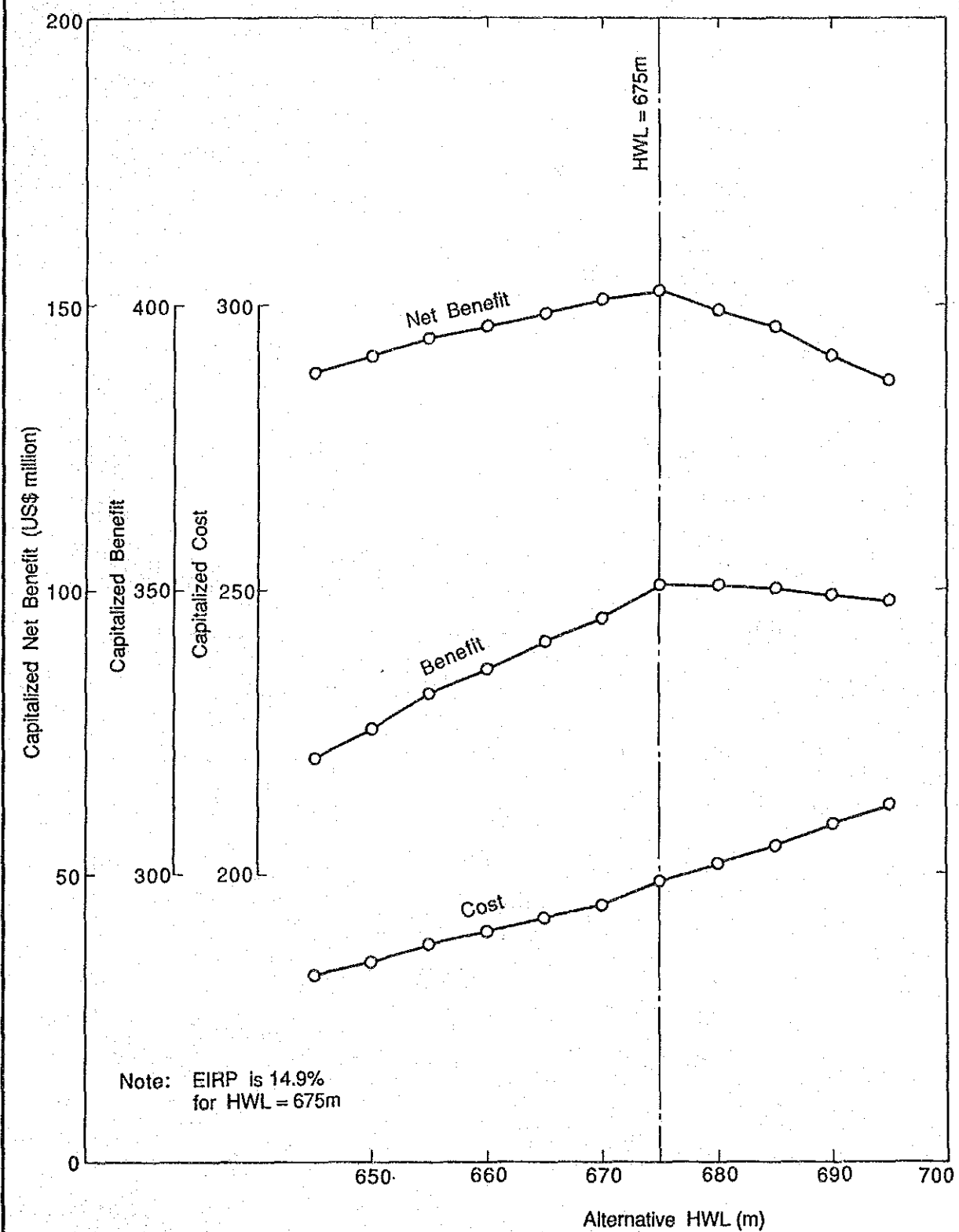
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図 7.11
エリク川の流量持続曲線



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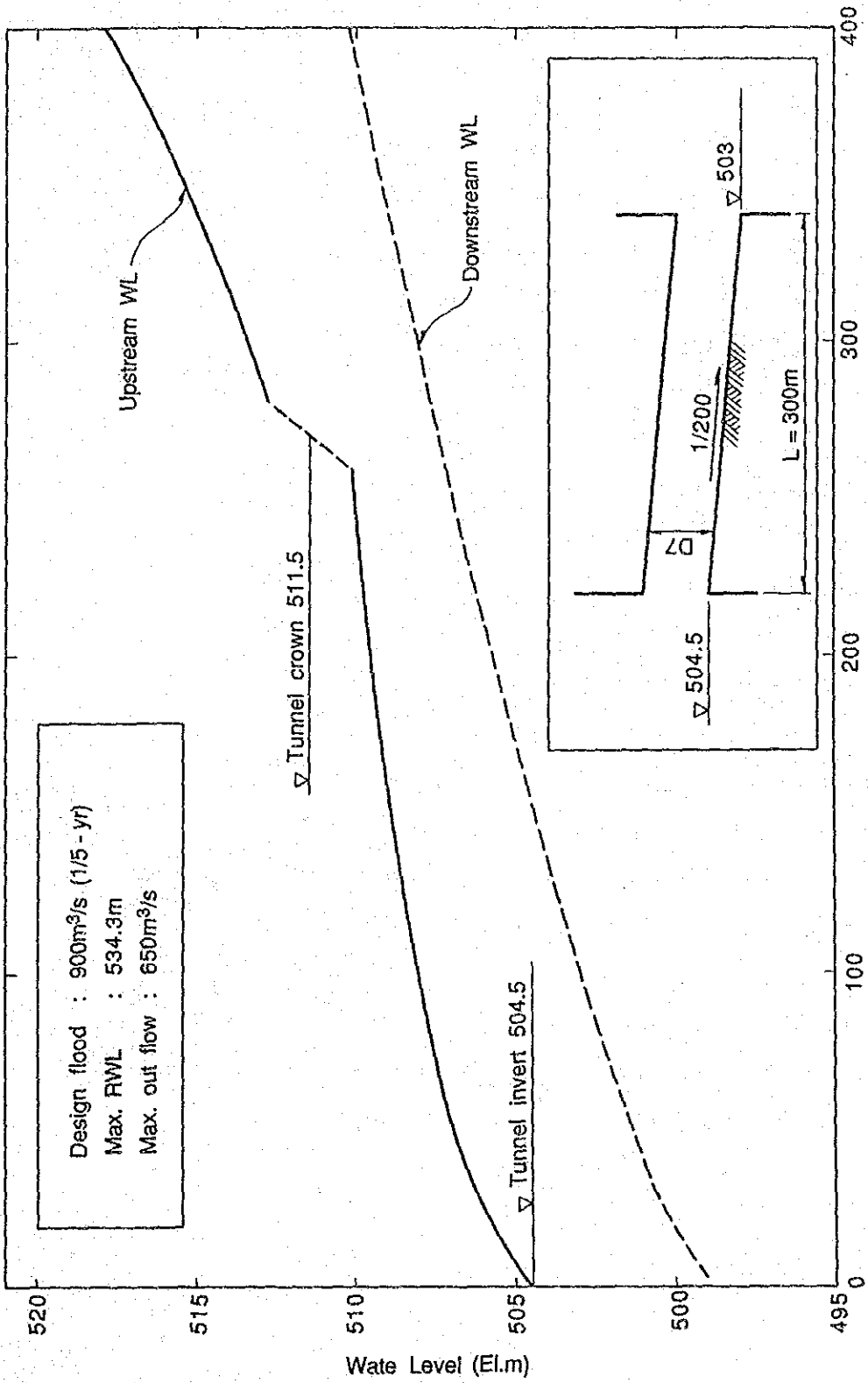
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图 7.12
代替満水位～発電出力図



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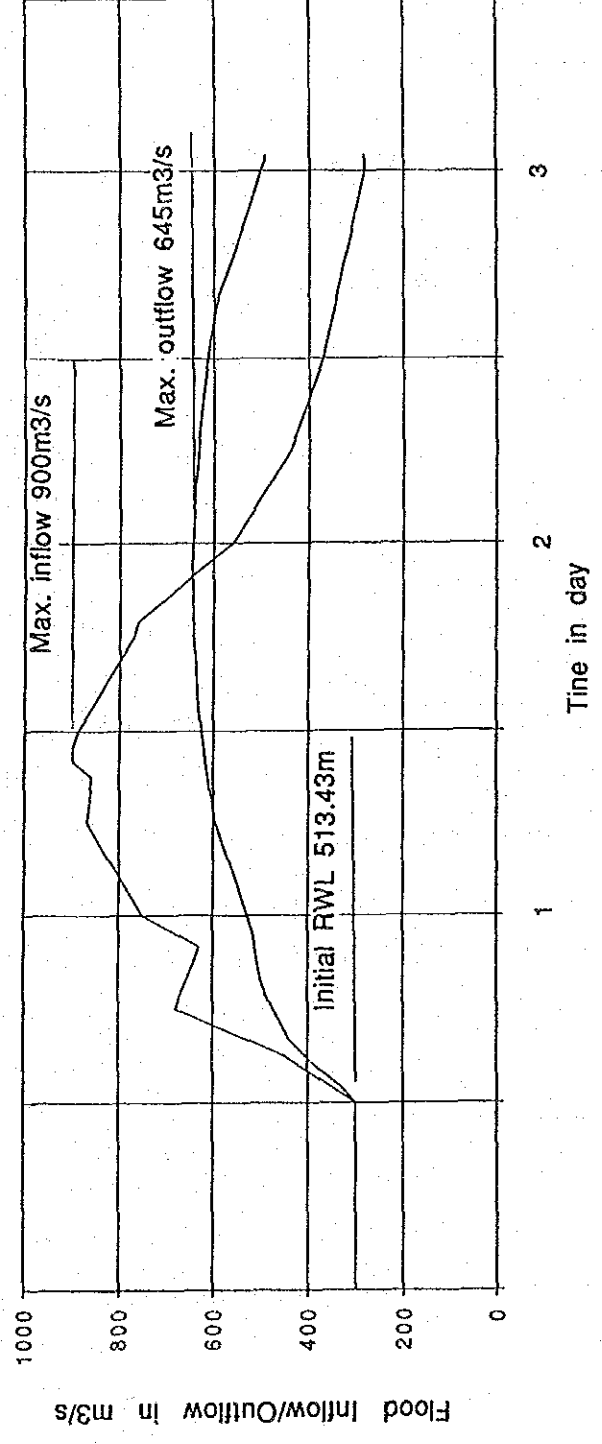
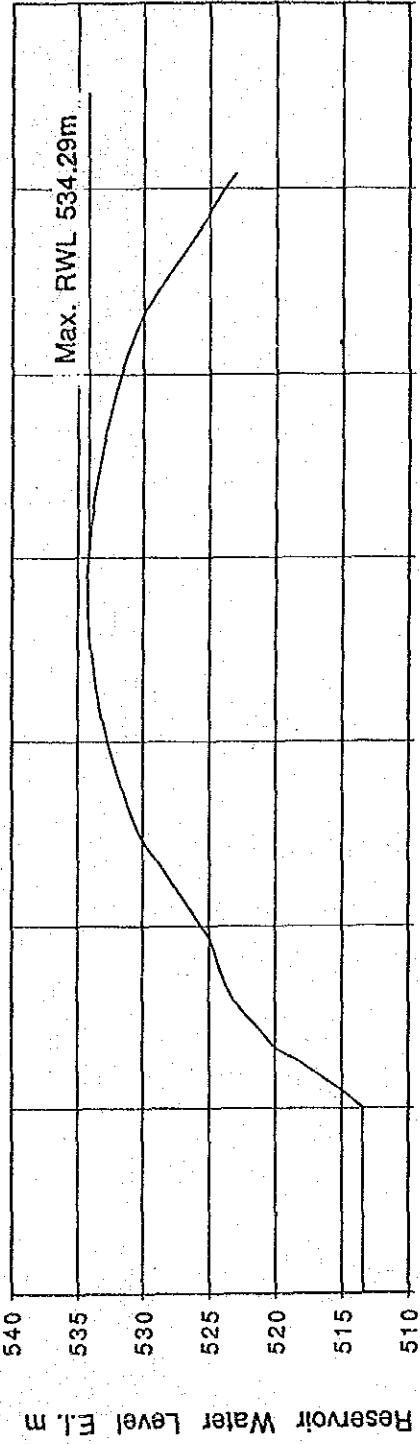
TITLE
図 7.13
エルマネック計画の
最適開発規模



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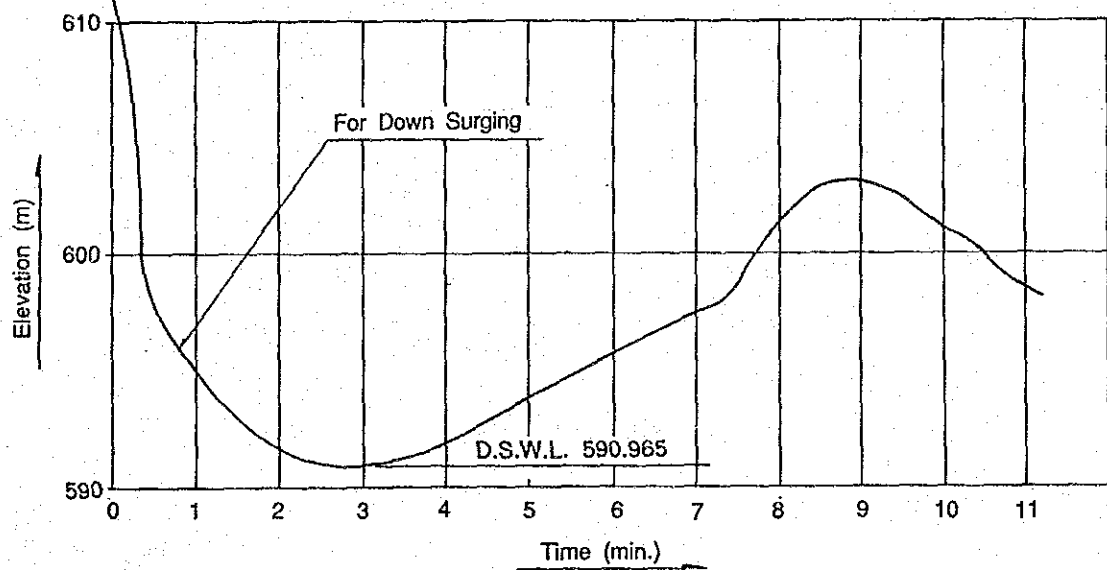
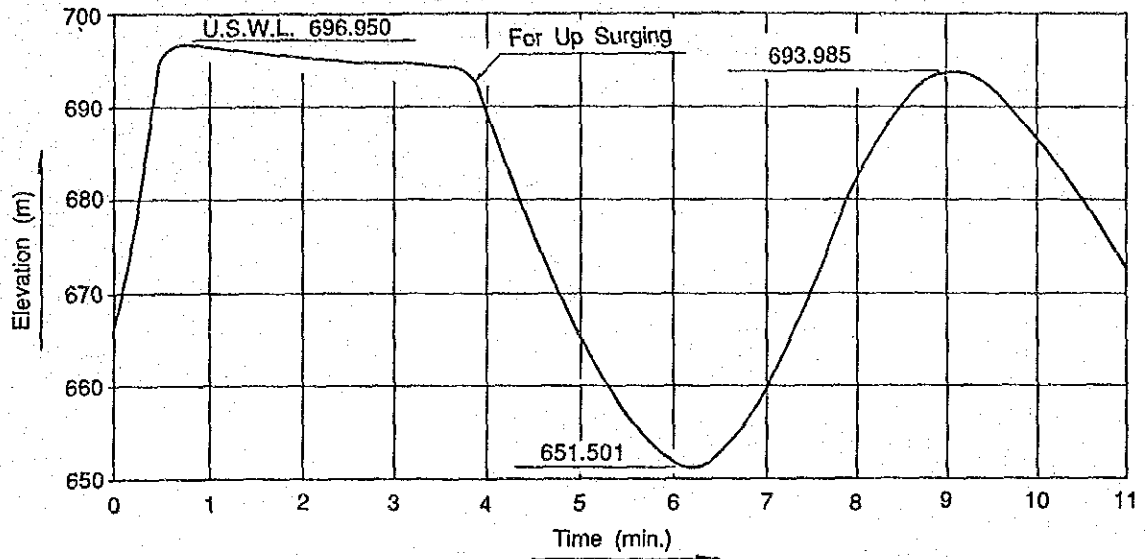
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 図 8.1
 仮排水トンネルの水位～
 流量曲線



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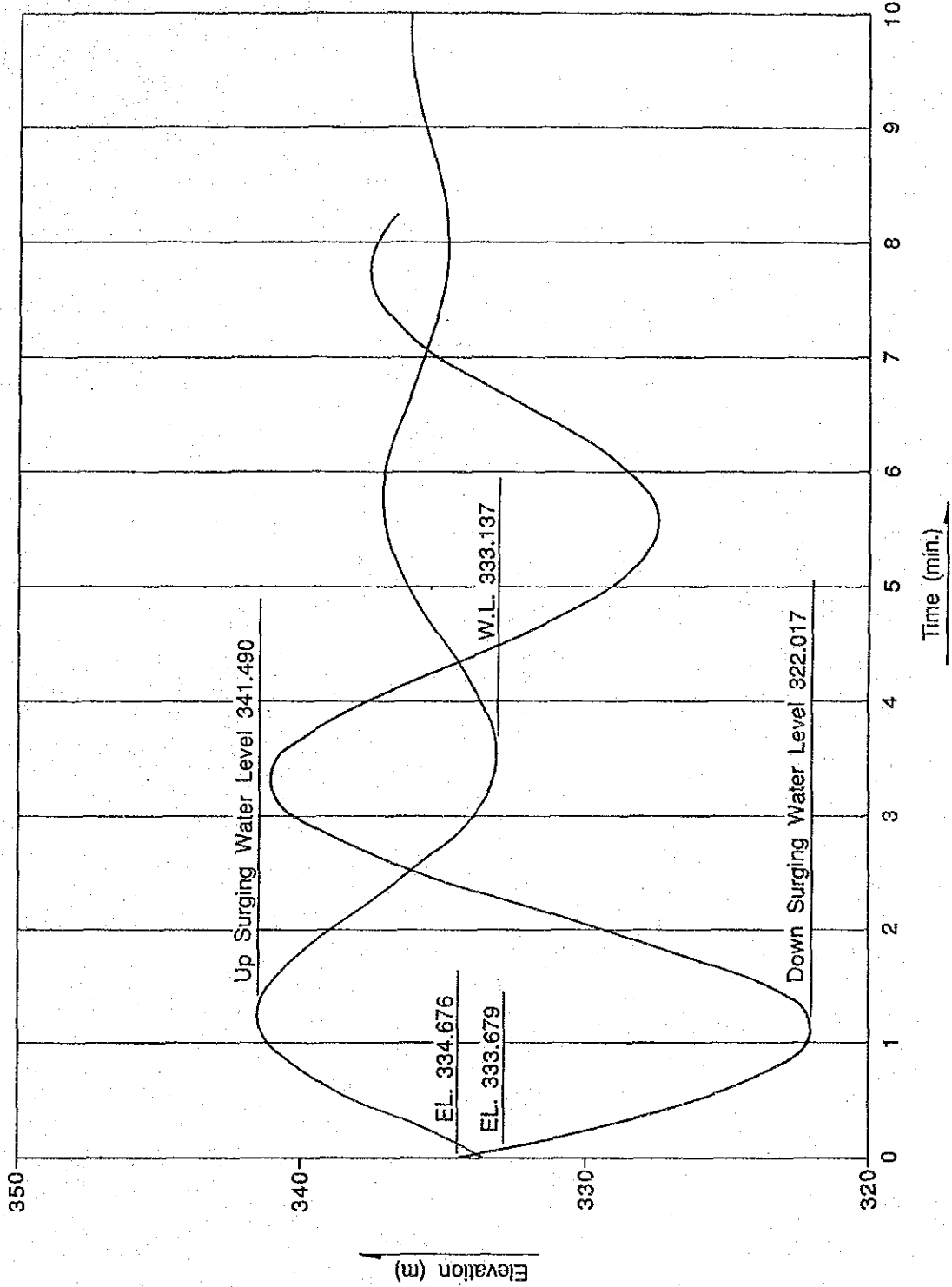
TITLE
図8.2
仮排水工設計洪水時の貯水池
水位と流量曲線



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TITLE 図 8.3
導水路調圧水槽の
サージング水位曲線

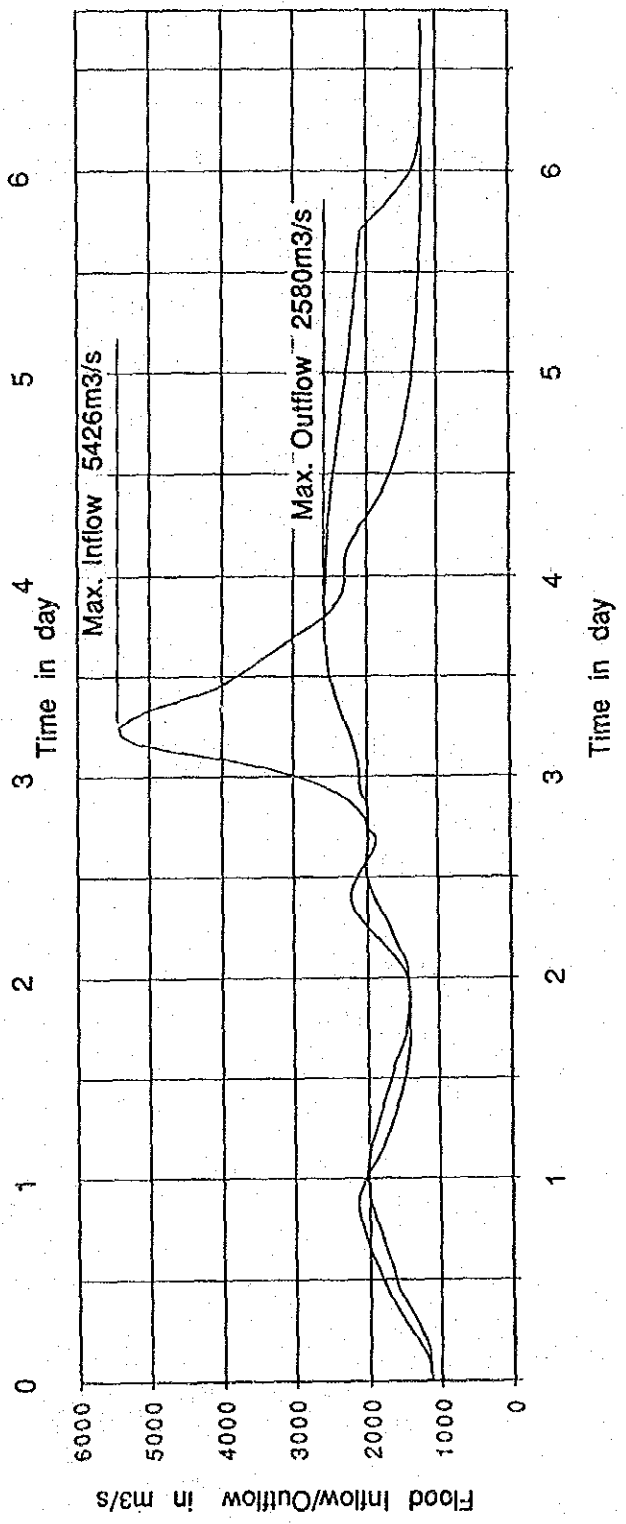
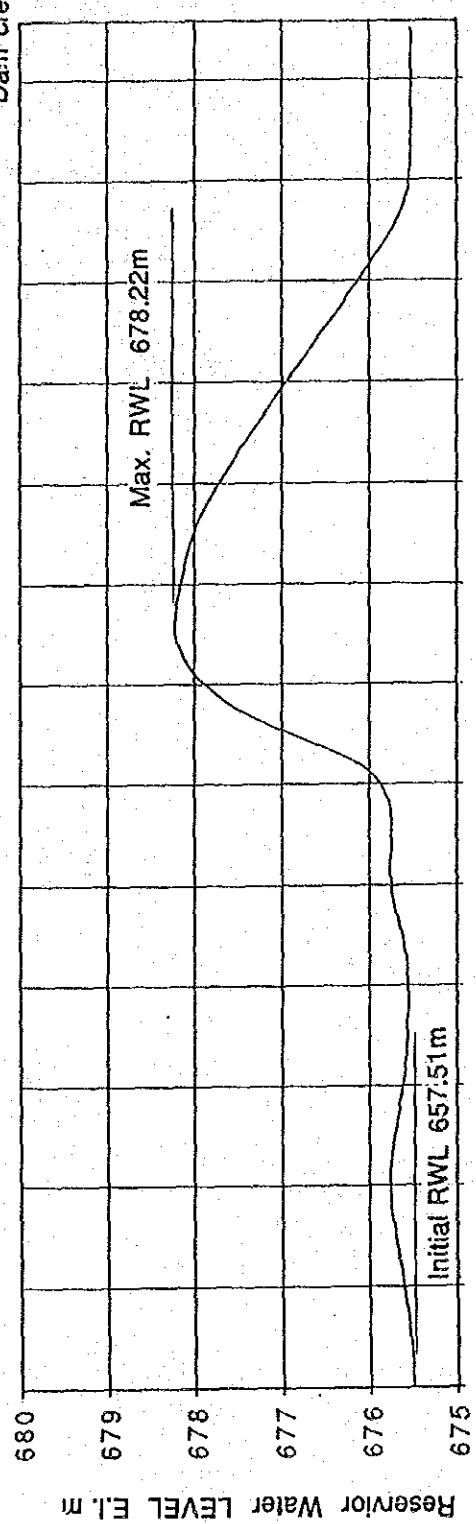


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TITLE 図 8.4
放水路調圧水槽の
サージング水位曲線

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TITLE
図8.5
可能最大洪水時の貯水池水位
と放流量曲線

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