

Frenchman Valley Appraisal Study  
Modeling Needs Conference Call  
October 18, 2006 – 1:30 CST

Call in number: 877-229-1563

Passcode: 101806564

1. Introductions
2. Brief Review of Study Goals
3. Initial Modeling needs
4. Future modeling needs
5. Existing Models Available
6. Modify existing models/create new model
7. Who will do the modeling?
8. Estimated timeframe for setting up the model

Frenchman Valley Meeting  
 McCook Field Office  
 May 4, 2005 - 10:30

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Alice Johns	Reclamation	308-389-4622	
Mark Swartz	Reclamation	308-345-4400	
Steve Ransbagen	Reclamation	308-389-5304	

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Frenchman Valley Meeting  
 McCook Field Office  
 May 4, 2005 - ~~10:30~~ 8:30

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JILL MANNING	USBR		
Jeff Shafter	DNR		
Roger Patterson	DNR		
Alice Johns	USBR		
MARY SUANDA	USBR		
Steve Renshagen	USBR		
DON FELKER	FVID-MANAGER		
ROGER KOLBET	HFRW		
JERRY KOTGWYAR	FVID		
<del>CRAIG SCOTT</del>	FVID		
CRAIG SCOTT	USOR		
BILL PECK	USBR		
BRAD EDGERTON	DNR		
KENNY ALBERT	FVID		
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Frenchman Valley Meeting  
 McCook Field Office  
 June 7, 2005 - 10:00

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Bill Beck

FRENCHMAN VALLEY STUDY

Goal

To evaluate alternative program activities, structural measures or incentives that can assist in optimizing existing facilities, providing lake level benefits, and providing recharge facilities for Enders Reservoir and the irrigated area it serves.

Objectives

1. Describe the Study Area
2. Consult with stakeholder groups
3. Evaluate problems and opportunities
4. Evaluate alternative choices for optimizing existing facilities related to Enders Reservoir and the irrigated area it serves
  - a) Structural options
  - b) Program options and incentives
  - c) Other
5. Evaluate alternative choices for providing lake level benefits from Enders Reservoir
  - a) Structural options
  - b) Program options and incentives
  - c) Other
6. Evaluate alternative choices for providing recharge benefits through use of Enders Reservoir
  - a) Structural options
  - b) Program options and incentives
  - c) Other
- 6.1 Review of Baseline Scenario
7. Formulate alternative plans
8. Evaluate overall effects of plans AND Baseline
9. Compare plans
10. Provide recommendations

## Nebraska Investigations Program

Frenchman Valley Appraisal Study – A cost-shared study that will examine opportunities for more efficient management of water supplies in the Frenchman River Valley including Reclamation's Enders Reservoir, a feature of the Frenchman-Cambridge Division in Nebraska. The study will focus on problems and opportunities in an area that has experienced dramatically reduced ground and surface water supplies, including reduced reservoir inflows. The study area is covered by the recent Republican River Compact Settlement. More efficient management of Republican River can help extend water supplies and meet interstate compact needs as addressed in the Republican River Compact Settlement.

The study will identify whether there is a Federal interest in intensive management of interrelated groundwater and surface water supplies to meet Compact requirements as well as for meeting other economic and environmental needs. The study will be coordinated with the State, irrigation districts, and natural resources districts.

### DNR Interest

- Get most benefit of future water supply
- Compact implications (stay in compliance)
- Solvency of Districts
- Share benefits/ burden
- Improve water levels in lake and intentional ground water recharge (in targeted areas)
- “Streamline” study process
- Examine legal/administrative changes to change use to get greatest benefit

### Existing Compact Groundwater Model

- “Do nothing”
- Evaluate alternatives
- Future water supplies

### Reclamation Interest

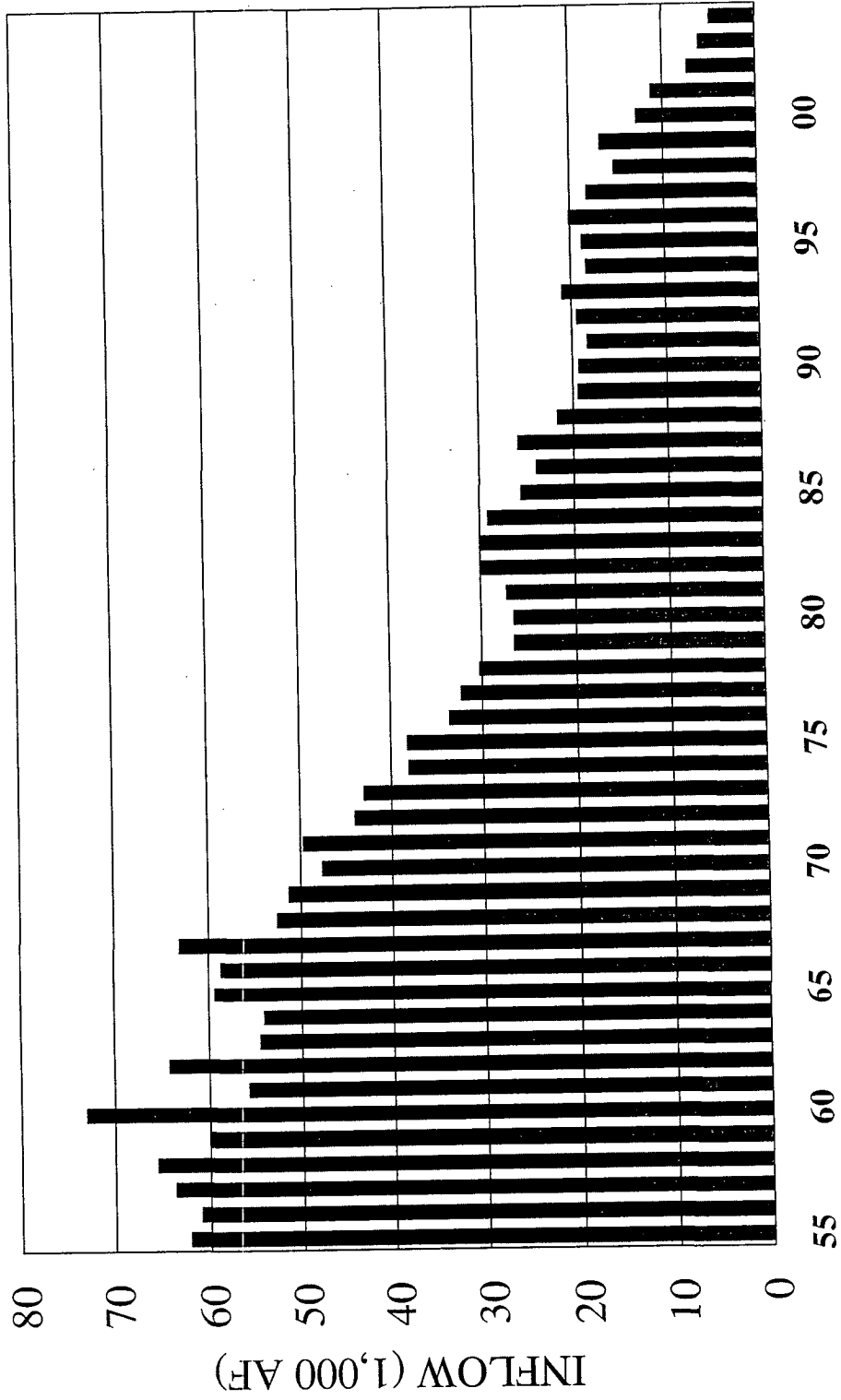
- Protect Federal Investment
  - Both irrigation and fish/ recreation benefits
- Existing contracts with the Irrigation Districts
- Solvency of the Districts
- Meet authorized purposes of the project
- Storage and storage use rights are considerably higher than what is available
- Downstream Irrigation Districts Interest
- SOD Evaluation



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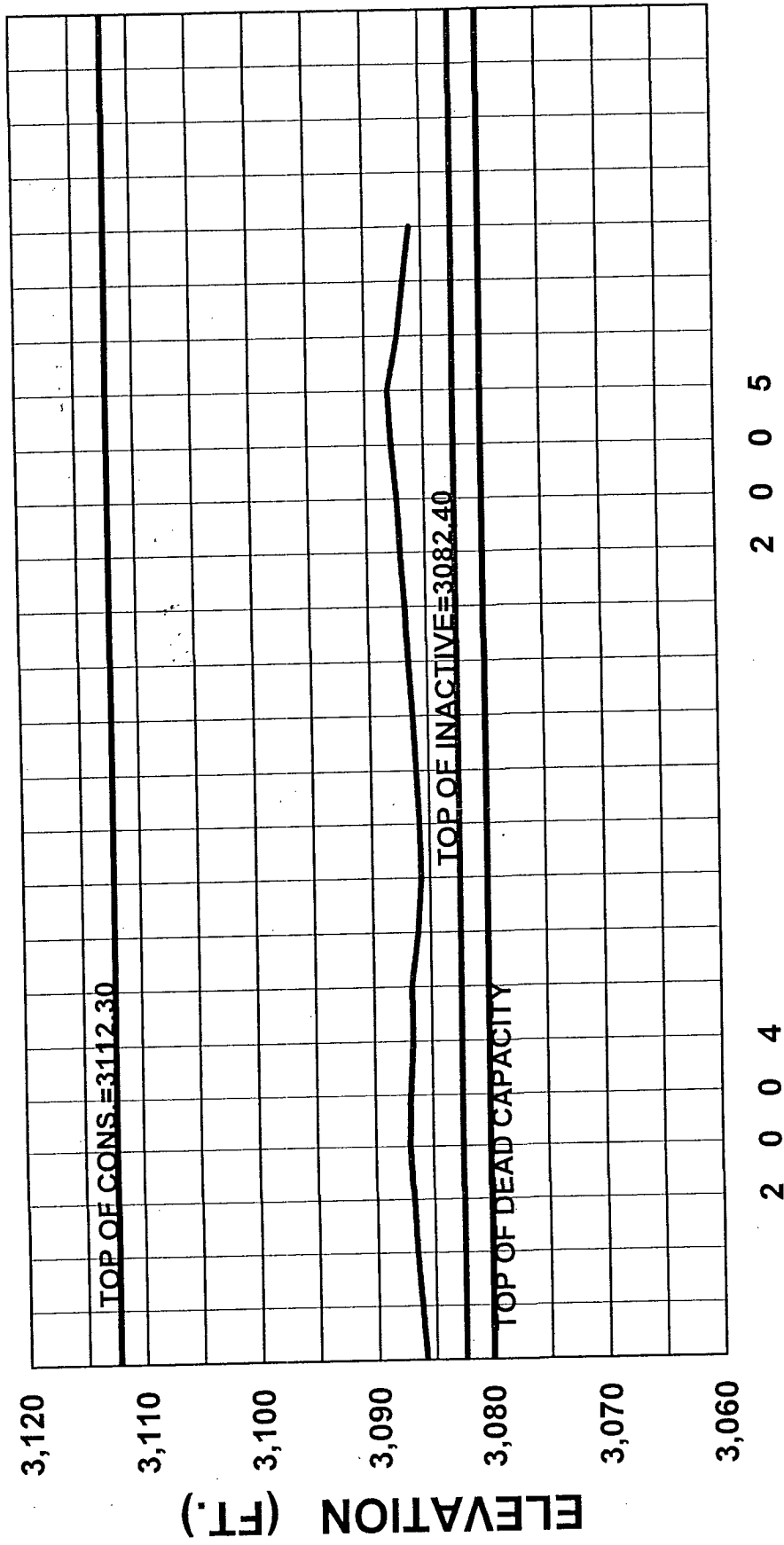
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# ENDERS RESERVOIR YEARLY HISTORICAL INFLOW



1955 THROUGH 2004

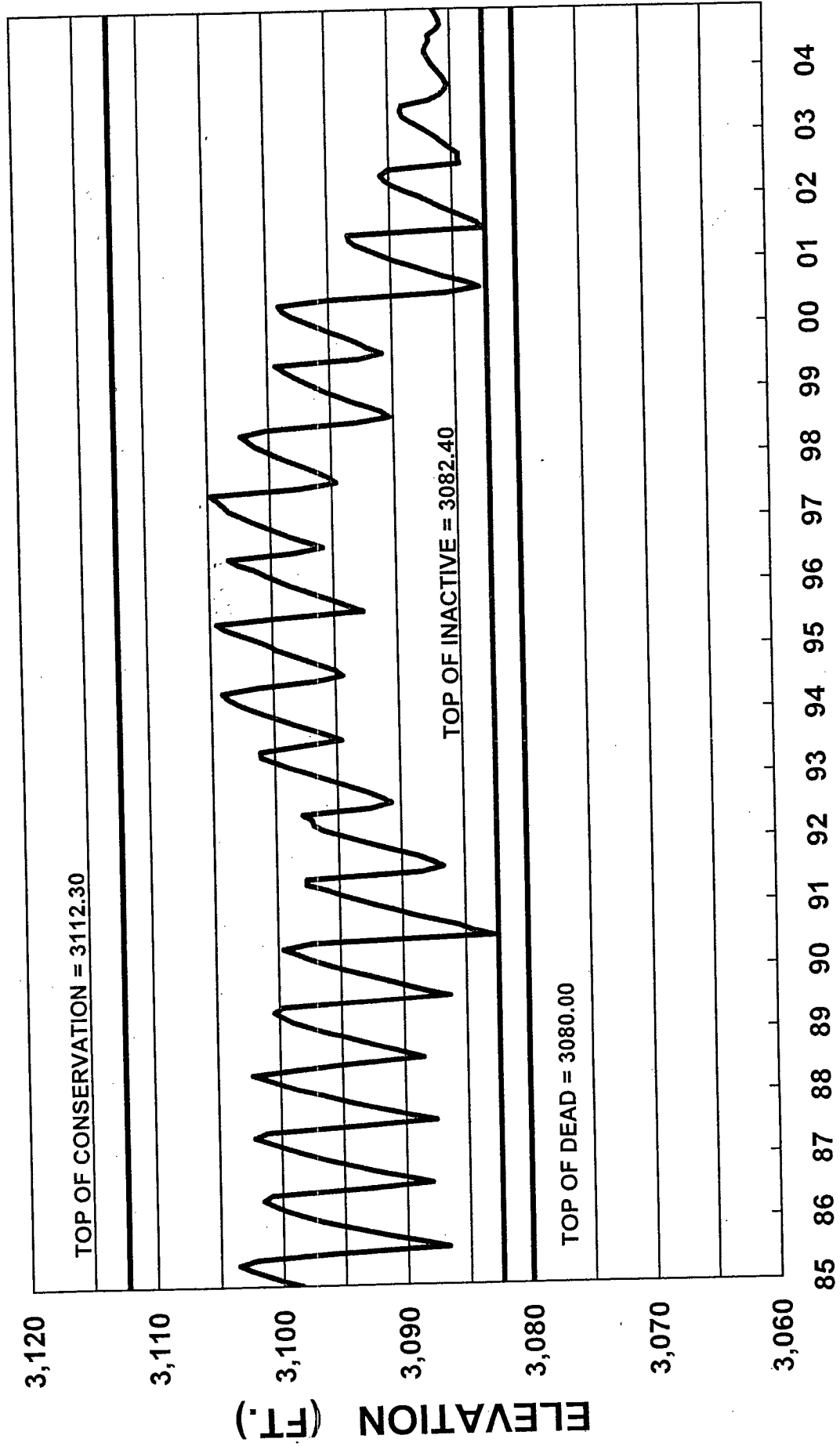
# ENDERS YEAR 2004-2005 E.O.M. LAKE LEVELS



2003 - 2005

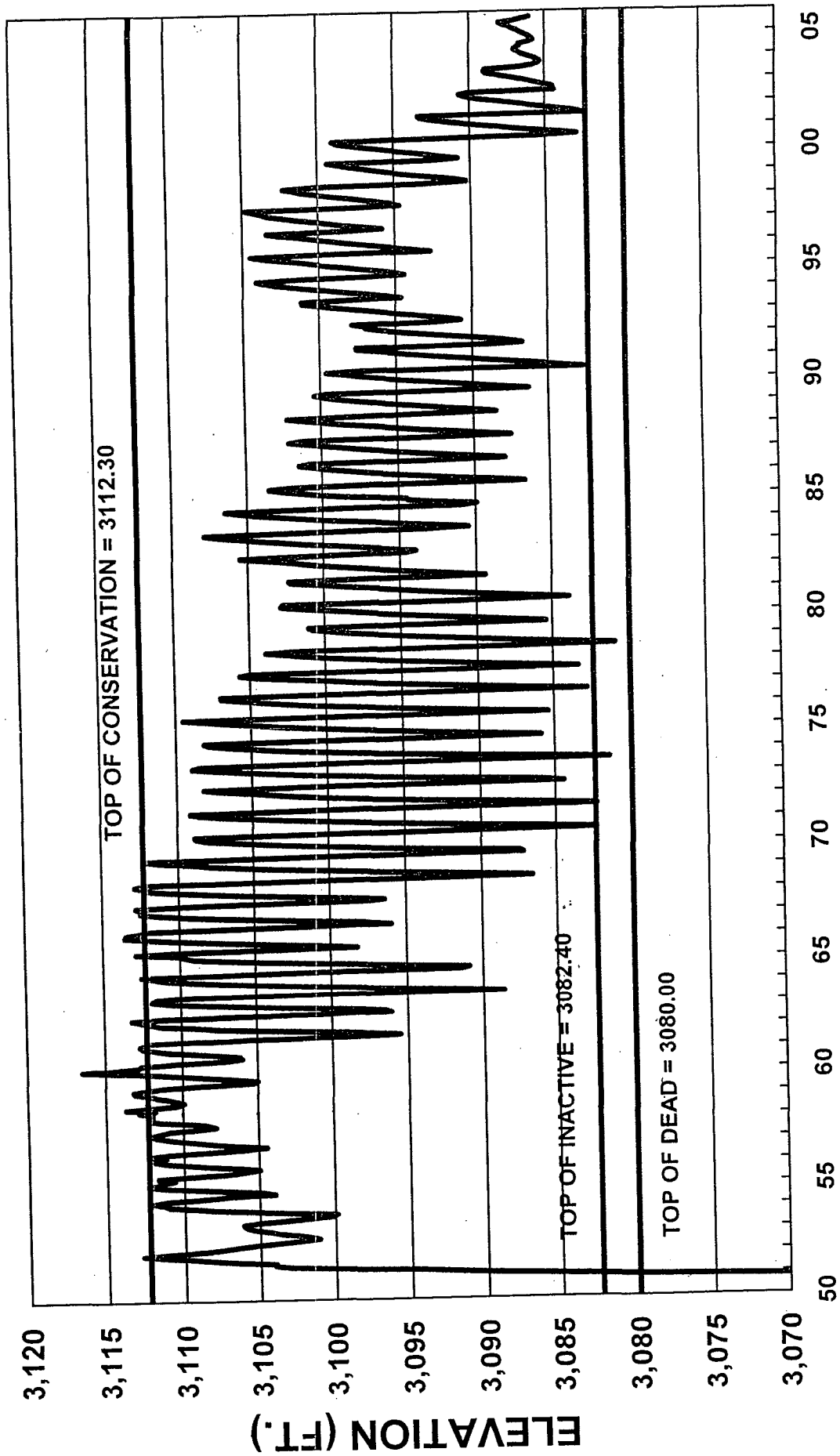
# ENDERS RESERVOIR

## 20 YEAR EOM LEVELS



JAN 1985 - DEC 2004

**ENDERS RESERVOIR  
END OF MONTH ELEVATION**



OCT 1950 THROUGH DEC 2004