

FINAL
ENVIRONMENTAL IMPACT
STATEMENT

LINCOLN-PIPESTONE
RURAL WATER
Lake Benton, Minnesota

Existing System North/Lyon County Phase
Northeast Phase Expansion



United States Department of Agriculture

RURAL UTILITIES SERVICE
(THE LEAD AGENCY)

and



U. S. ENVIRONMENTAL PROTECTION AGENCY
REGION 8
(A COOPERATING AGENCY)

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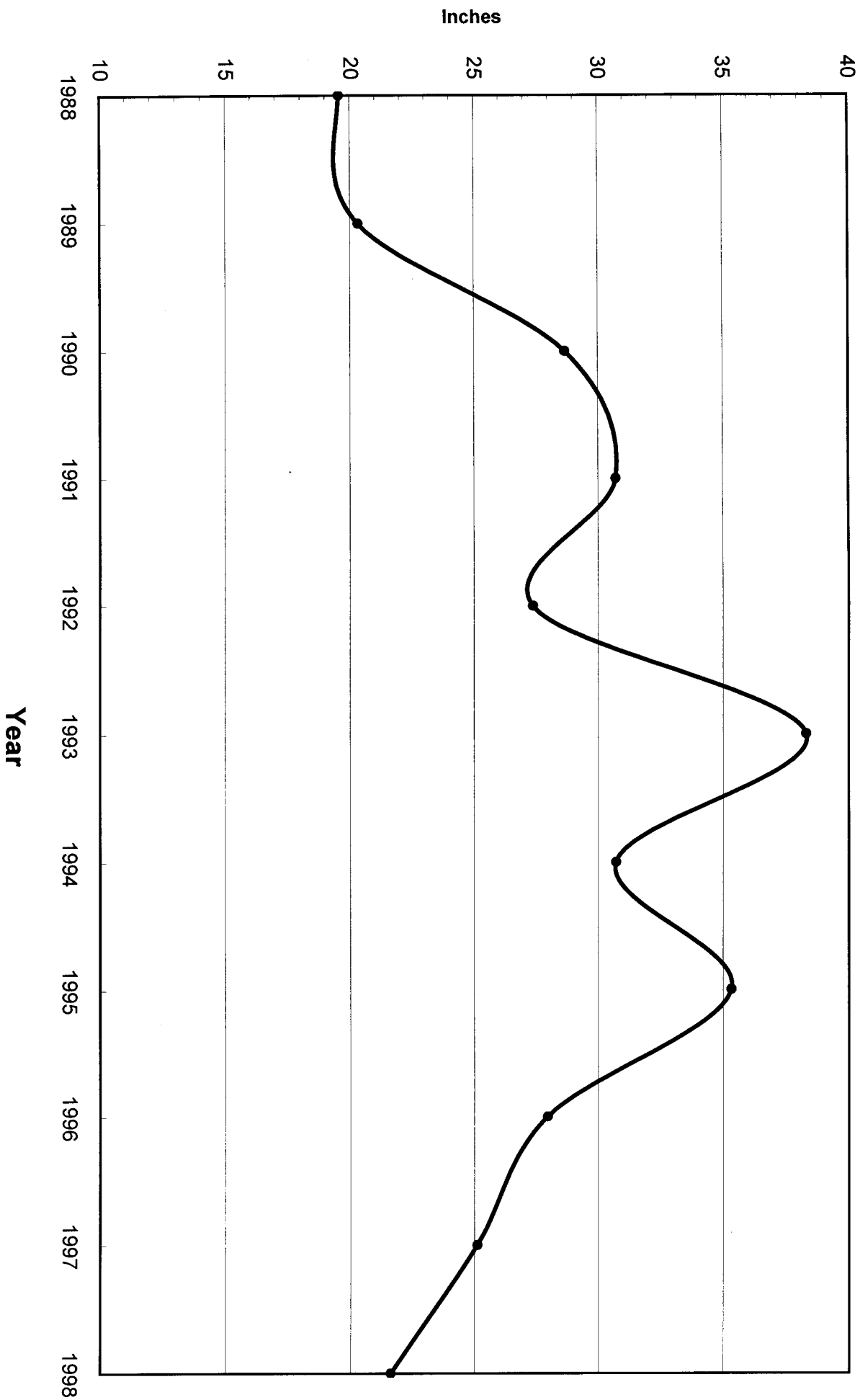
May 1999

Appendix B

ANNUAL PRECIPITATION 1988-1998
CANBY, MINNESOTA

Source: B. A. Lesich

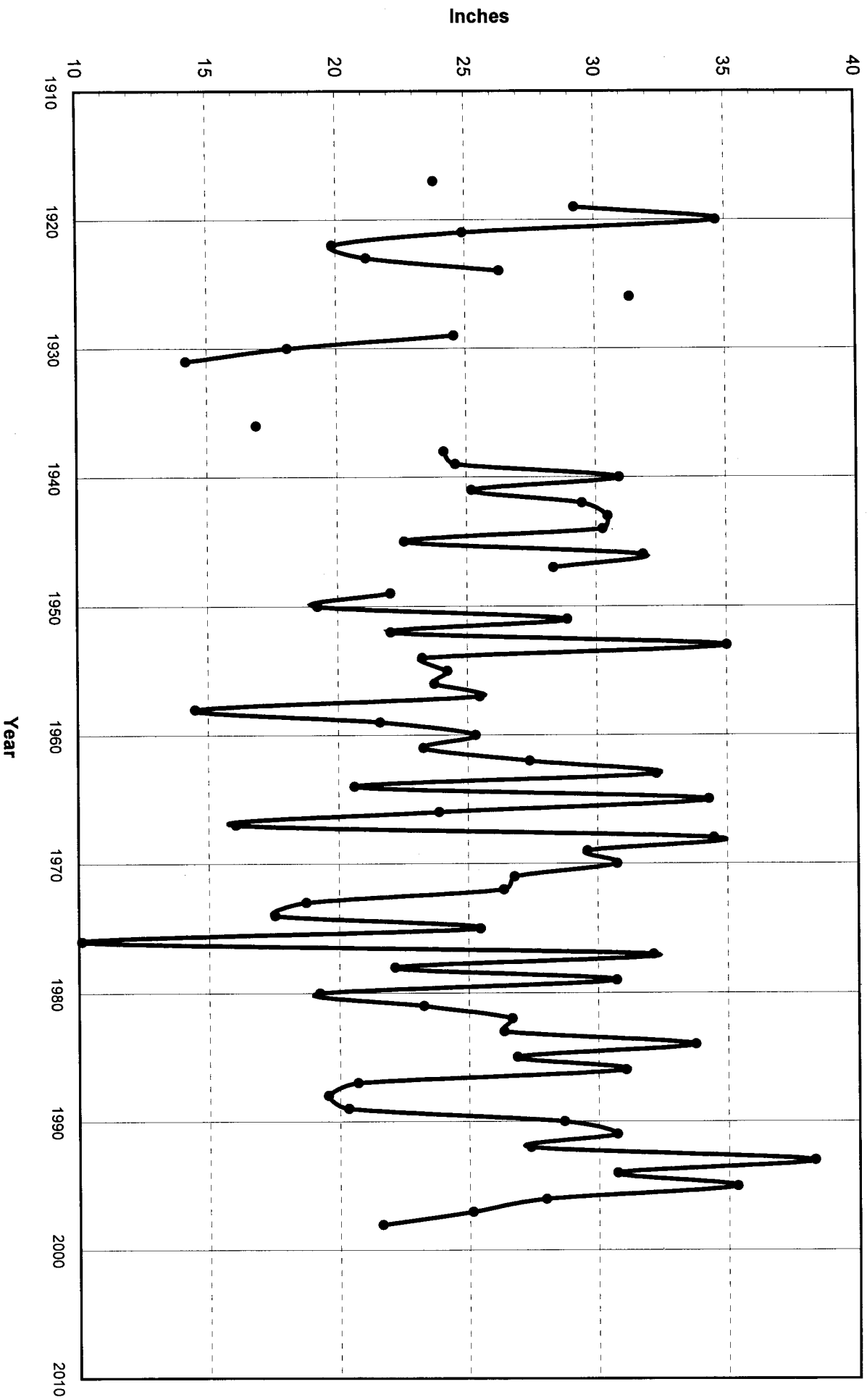
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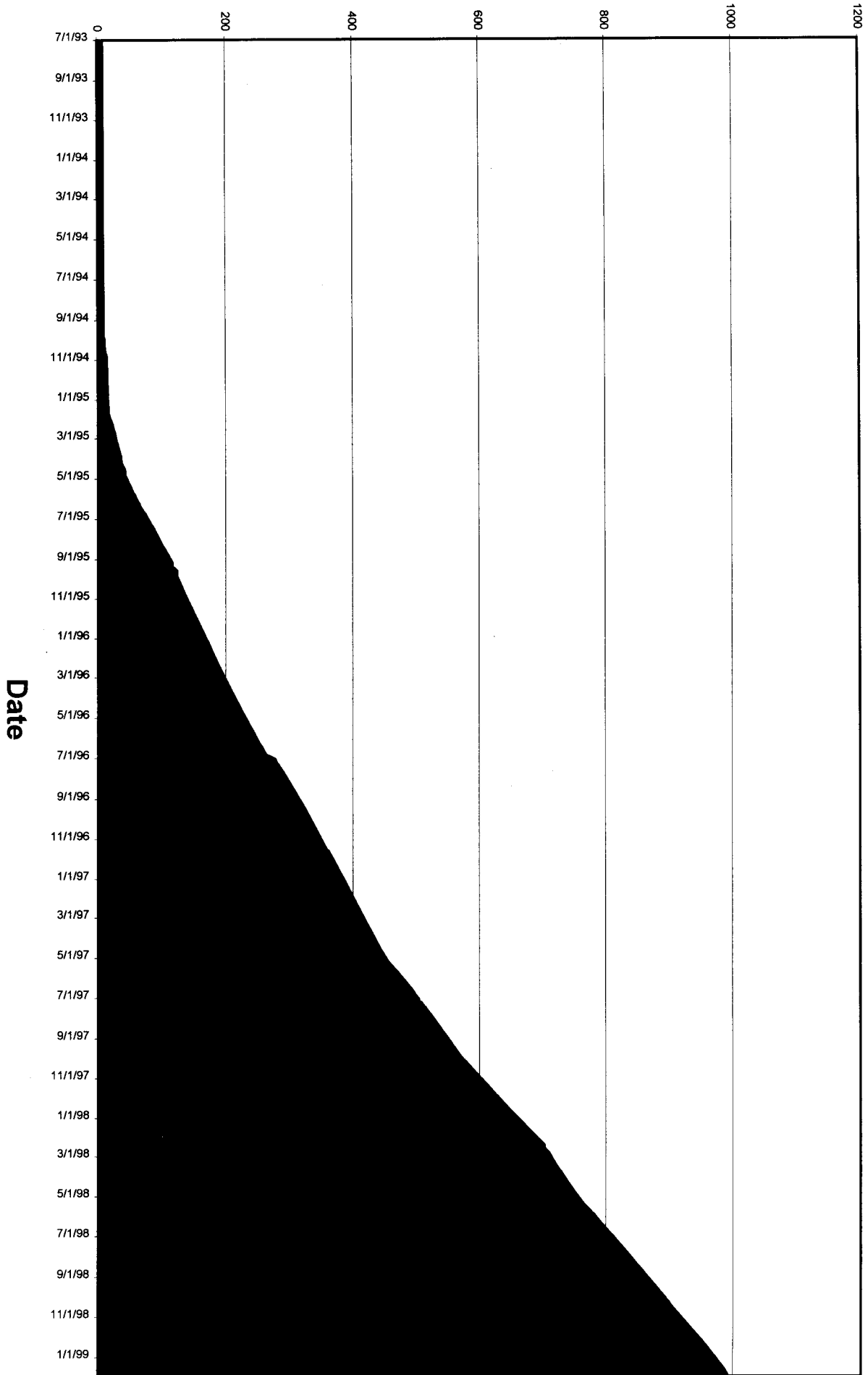
Long-Term Precipitation Records (1917-1998)

Canby, Minnesota

Source: B. A. Leisch



Pumpage in Millions of Gallons



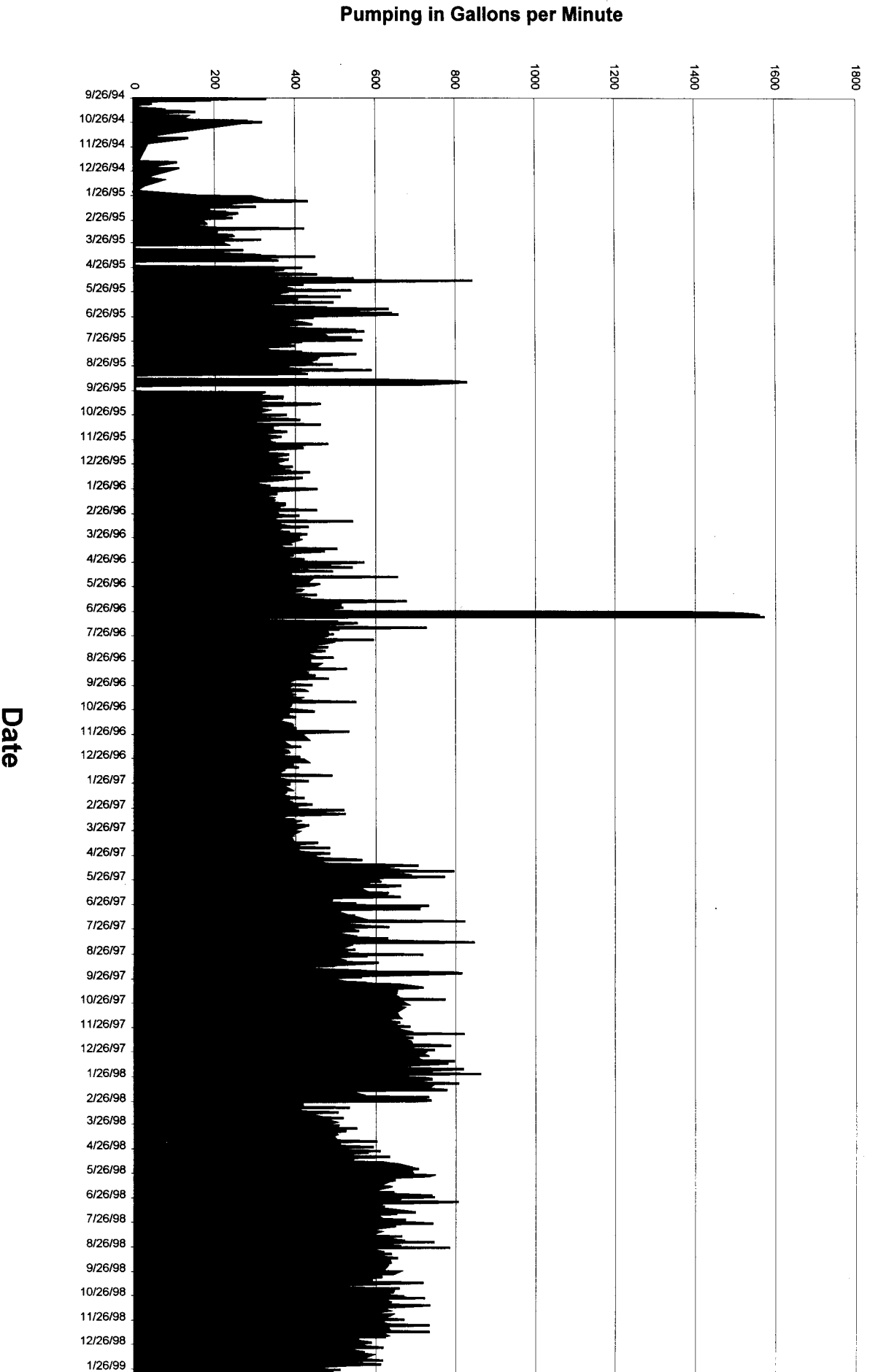
Cumulative Burr Aquifer Pumpage

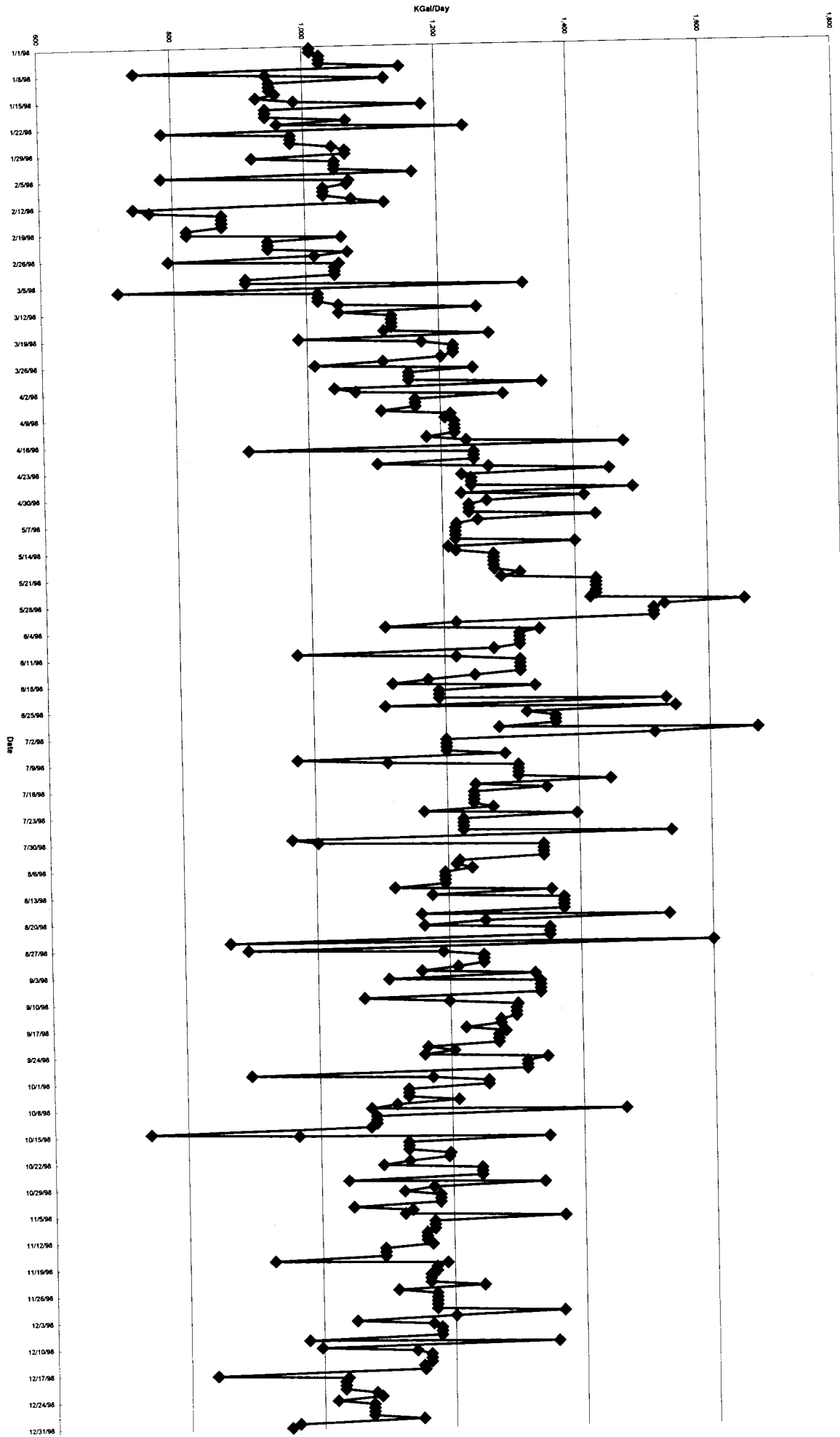
Source: MDNR 2/9/99

Average Daily Burr Aquifer Pumpage

Source: MDNR 2/9/99

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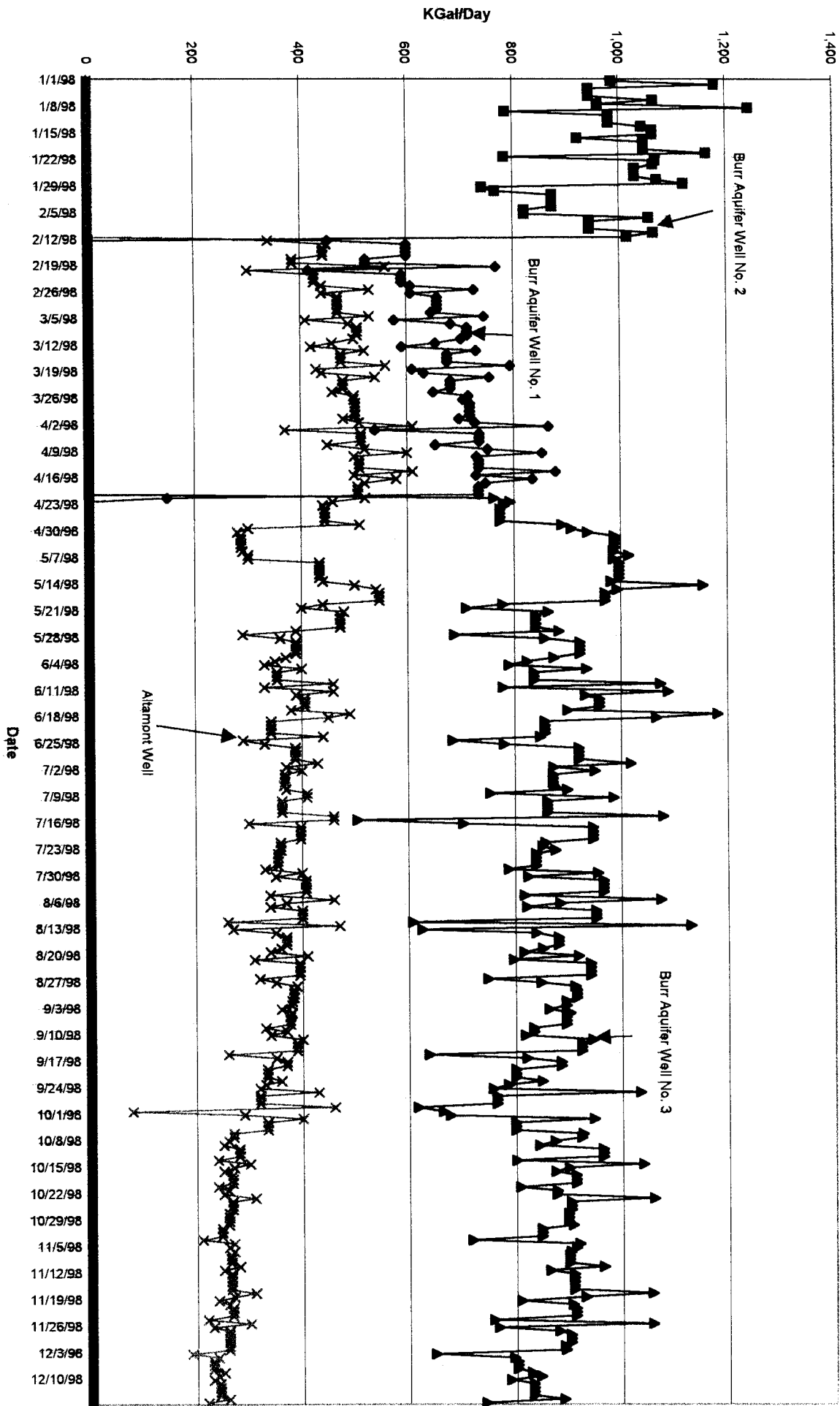




1998 LPRW Use at Burr WTP
Total Water Supplied From All Wells
 Source: Dewild, Grant, and Reckert

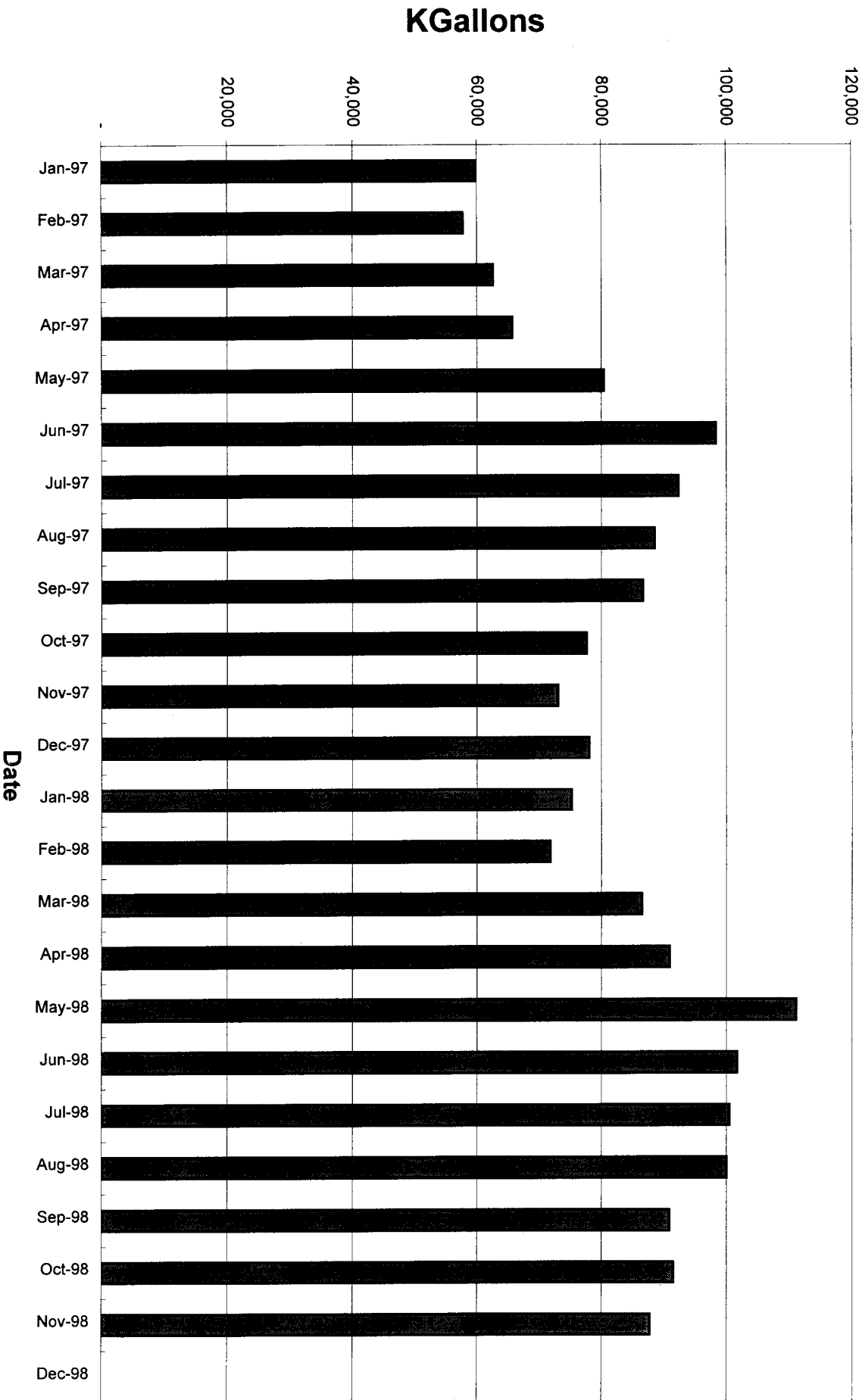
1998 LPRW Use at Burr WTP Individual Well Production

Source: Dewild, Grant and Rackett

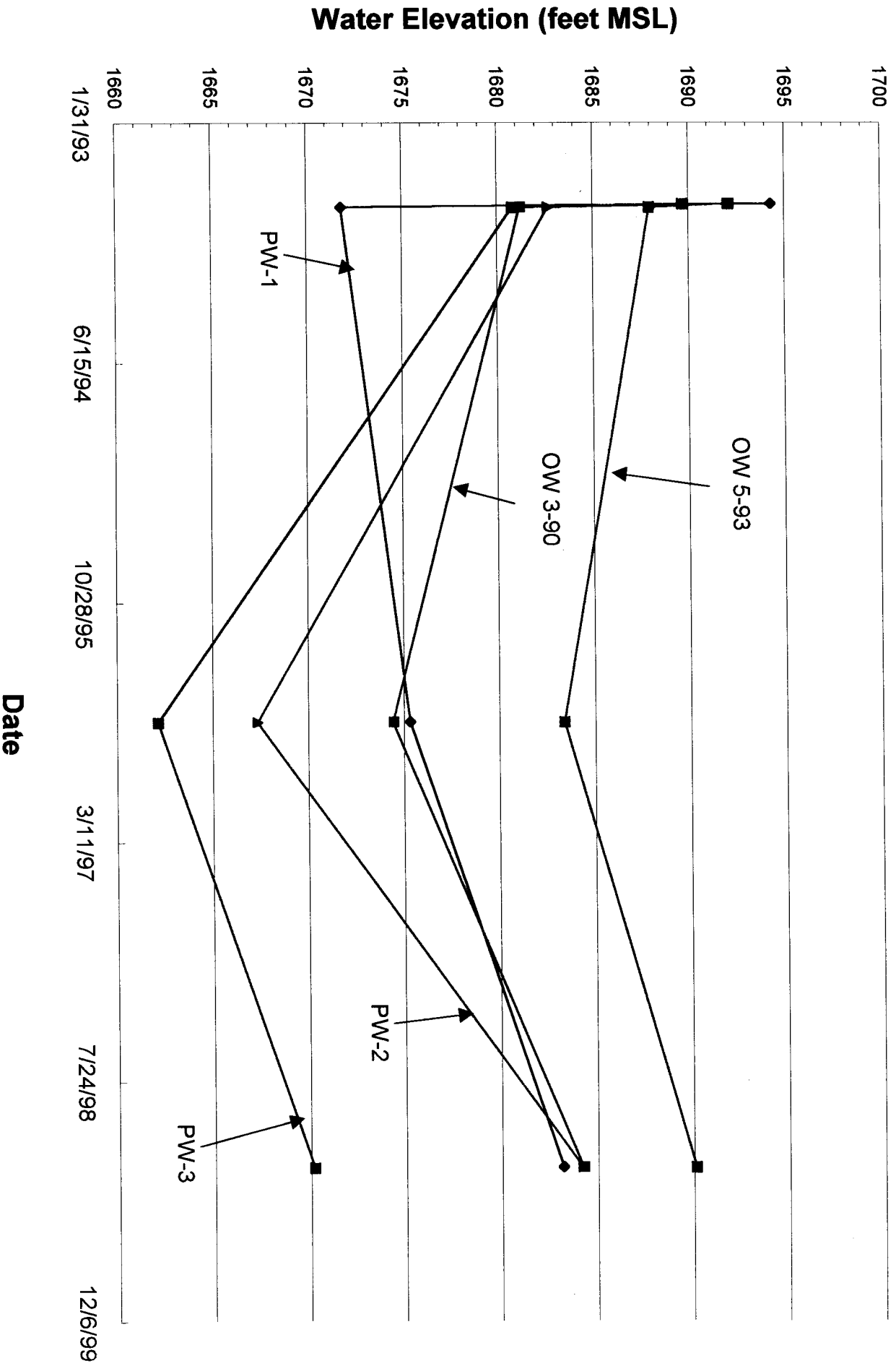


LPRW Total System Use Per Month

Source: Dewild, Grant, and Reckert, 1999

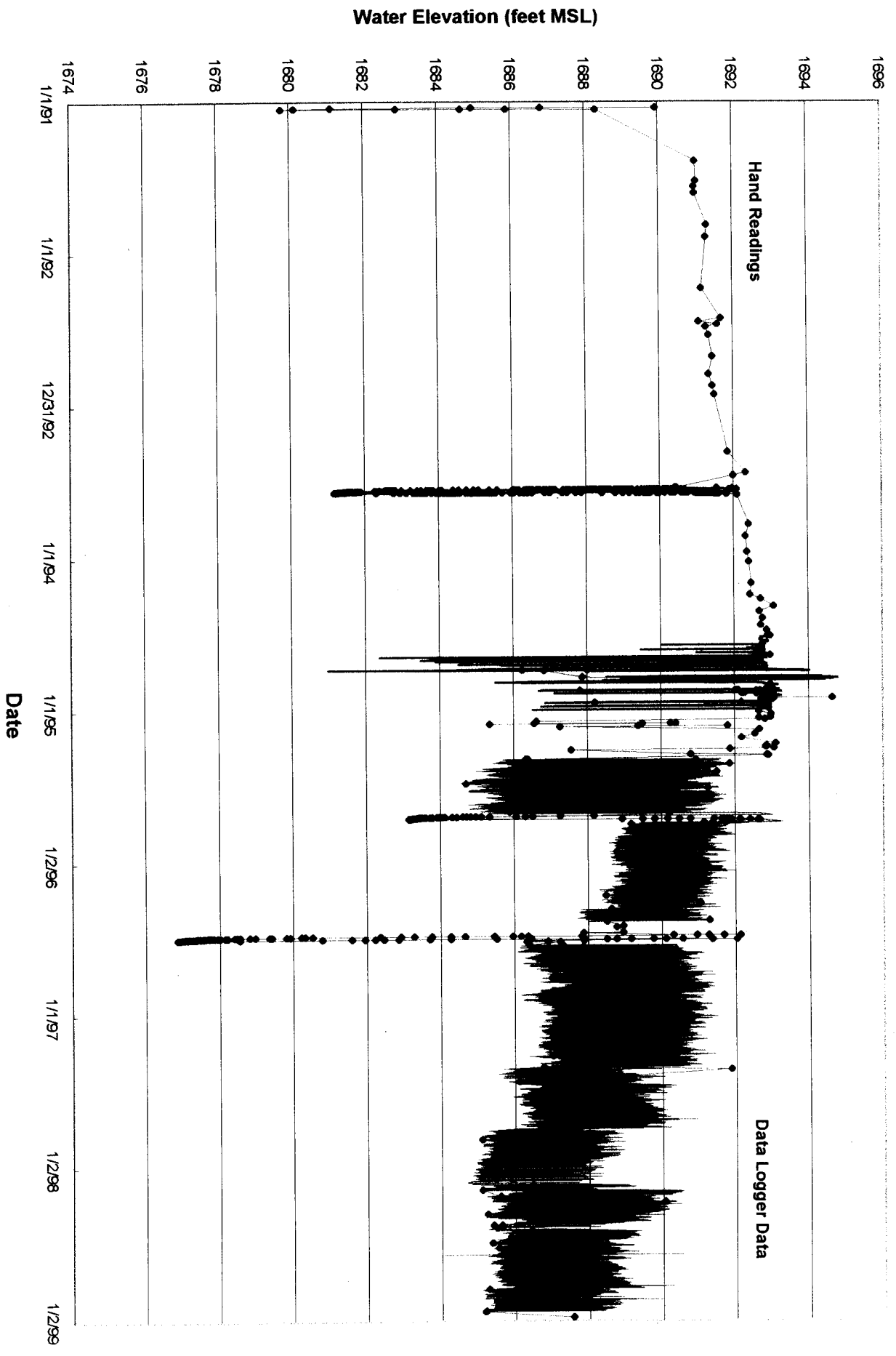


Water Elevation Trends for Observation and Production Wells
Source: B. A. Leisch
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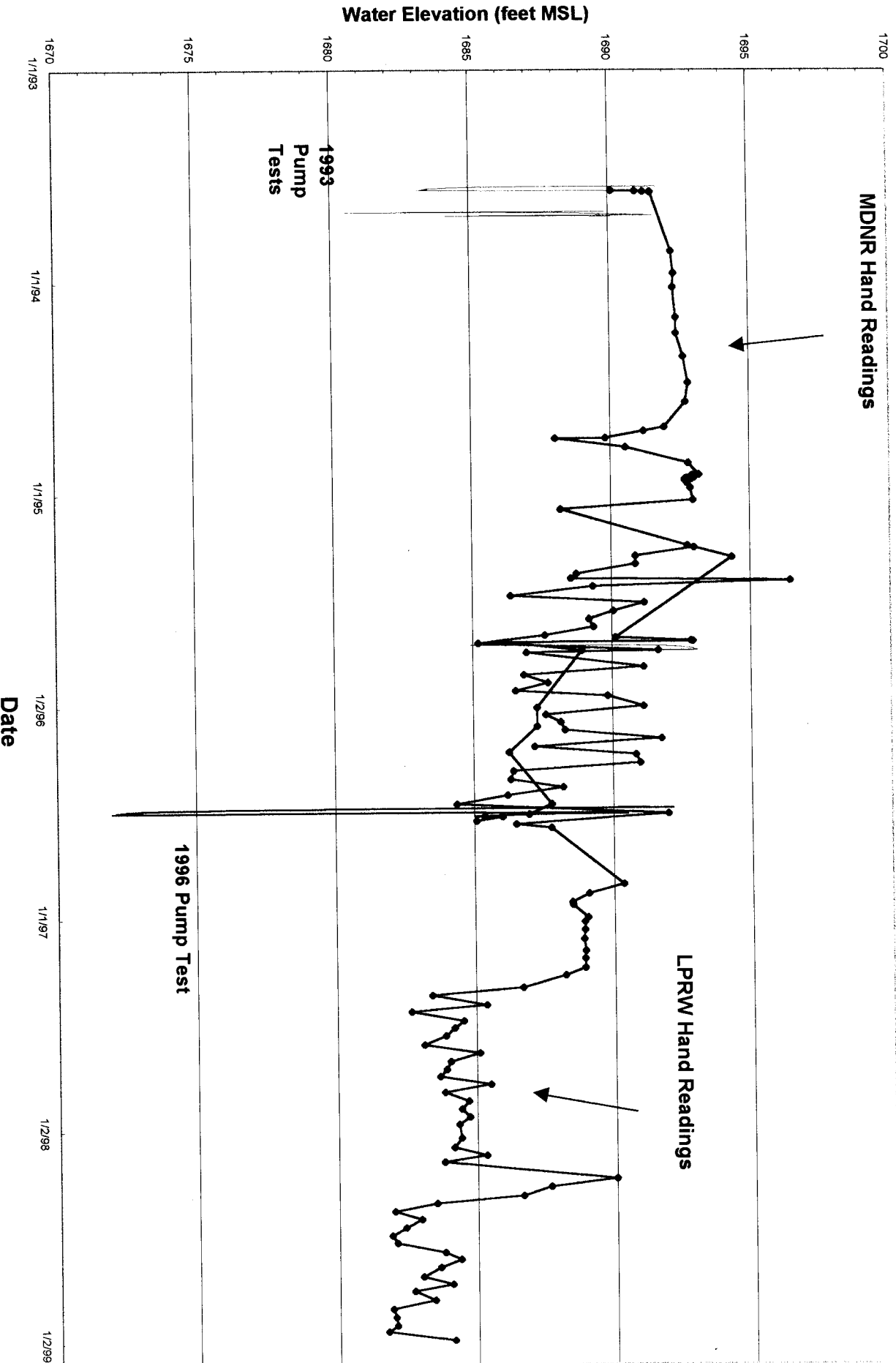
OW 3-90 Water Elevations

Source: MDNR



OW 1-93 Water Elevations

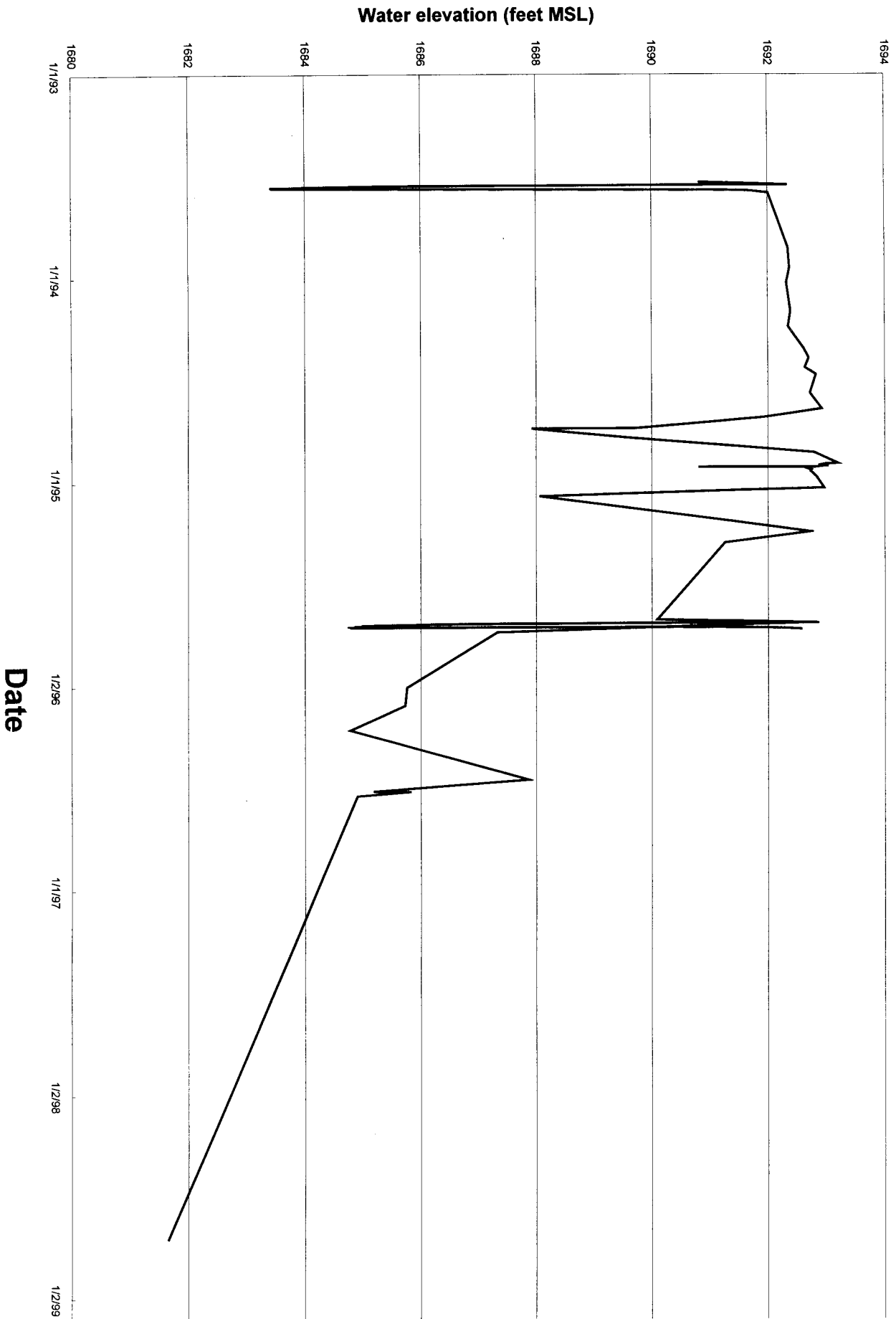
Source: MDNR



OW 2-93 Water Elevations

Source: MDNR

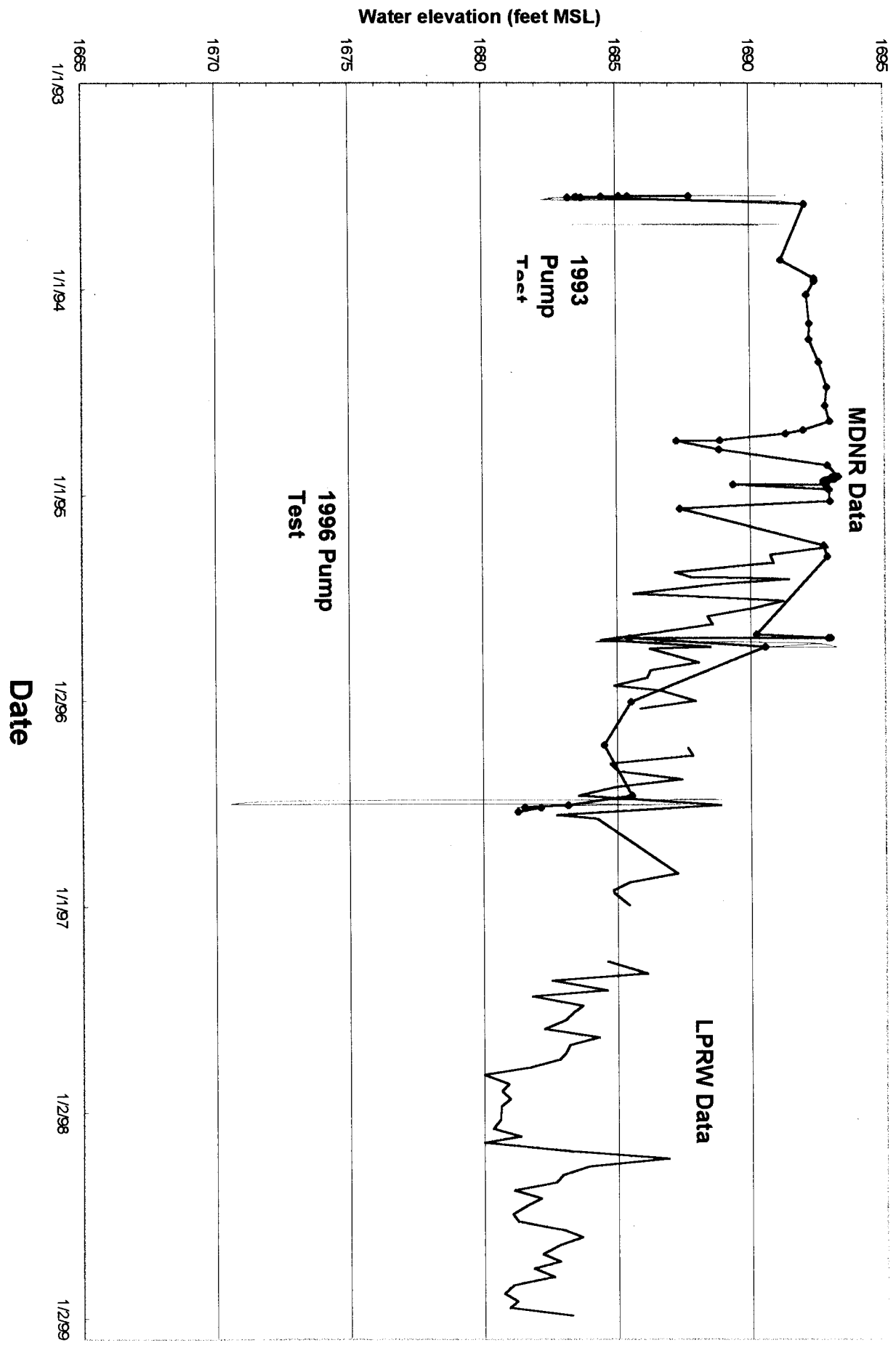
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OW 3-93 Water Elevations

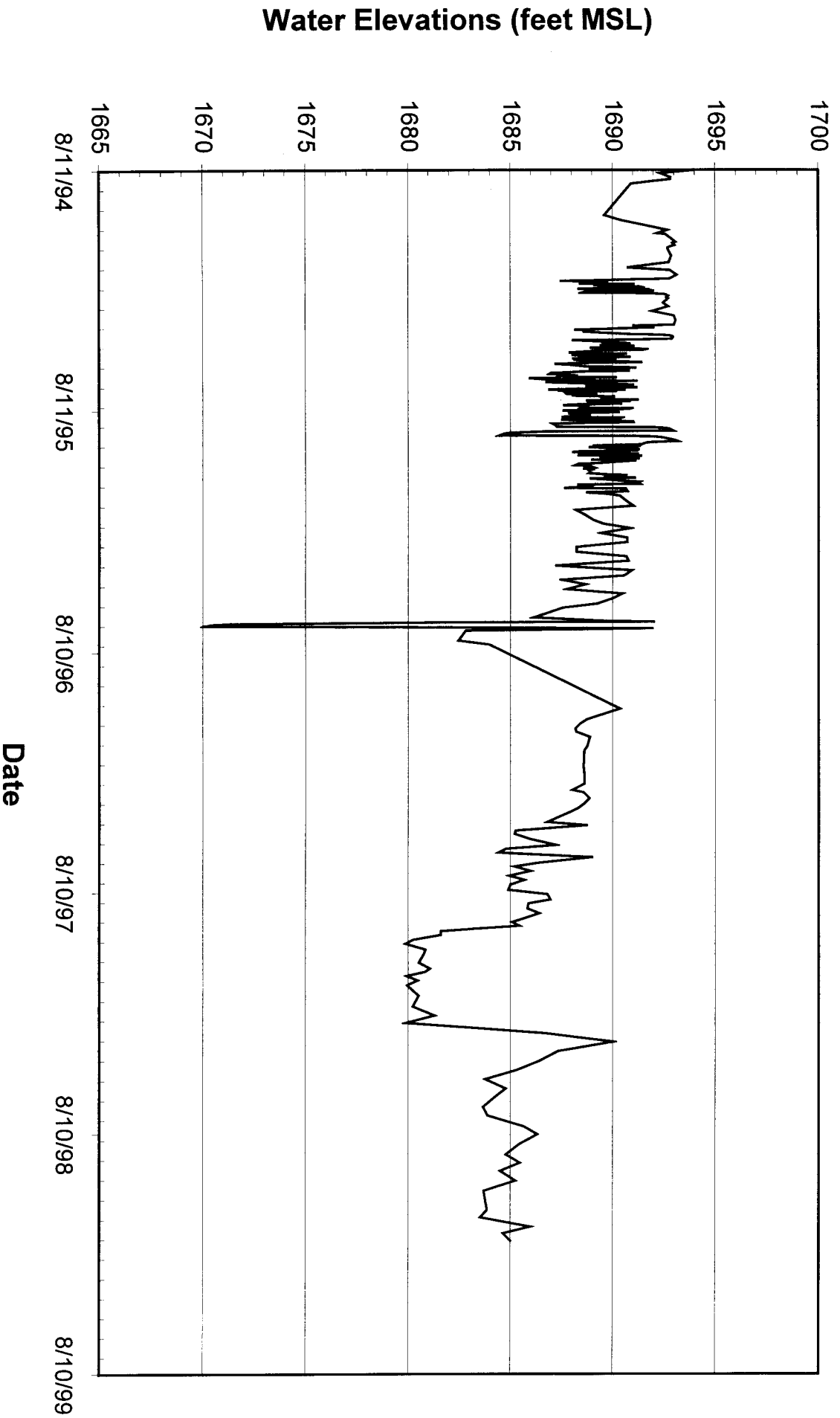
Source: MDNR

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OW 4-93 Water Elevations

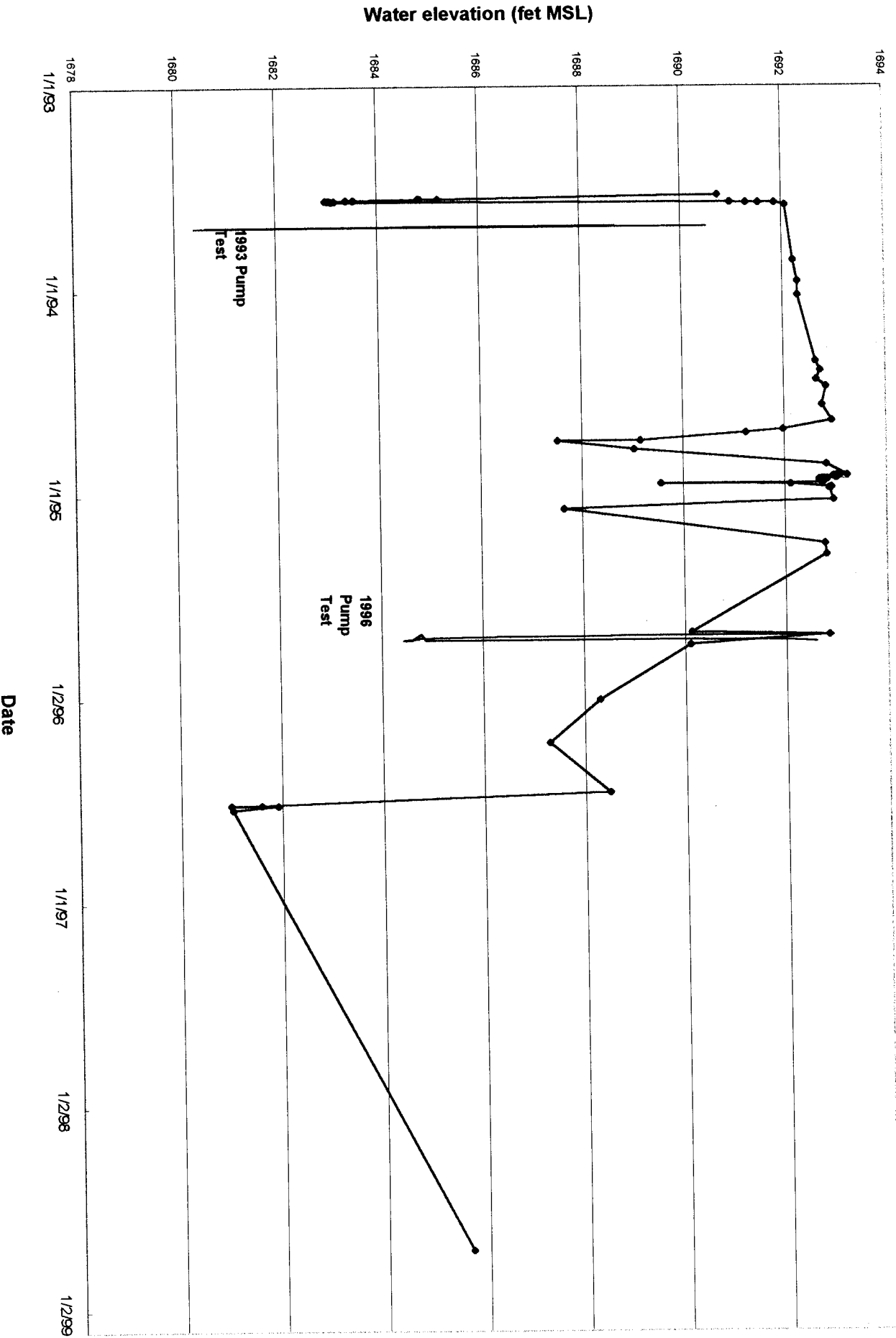
Source: B. A. Leisch



OW 4-93 Water Elevations

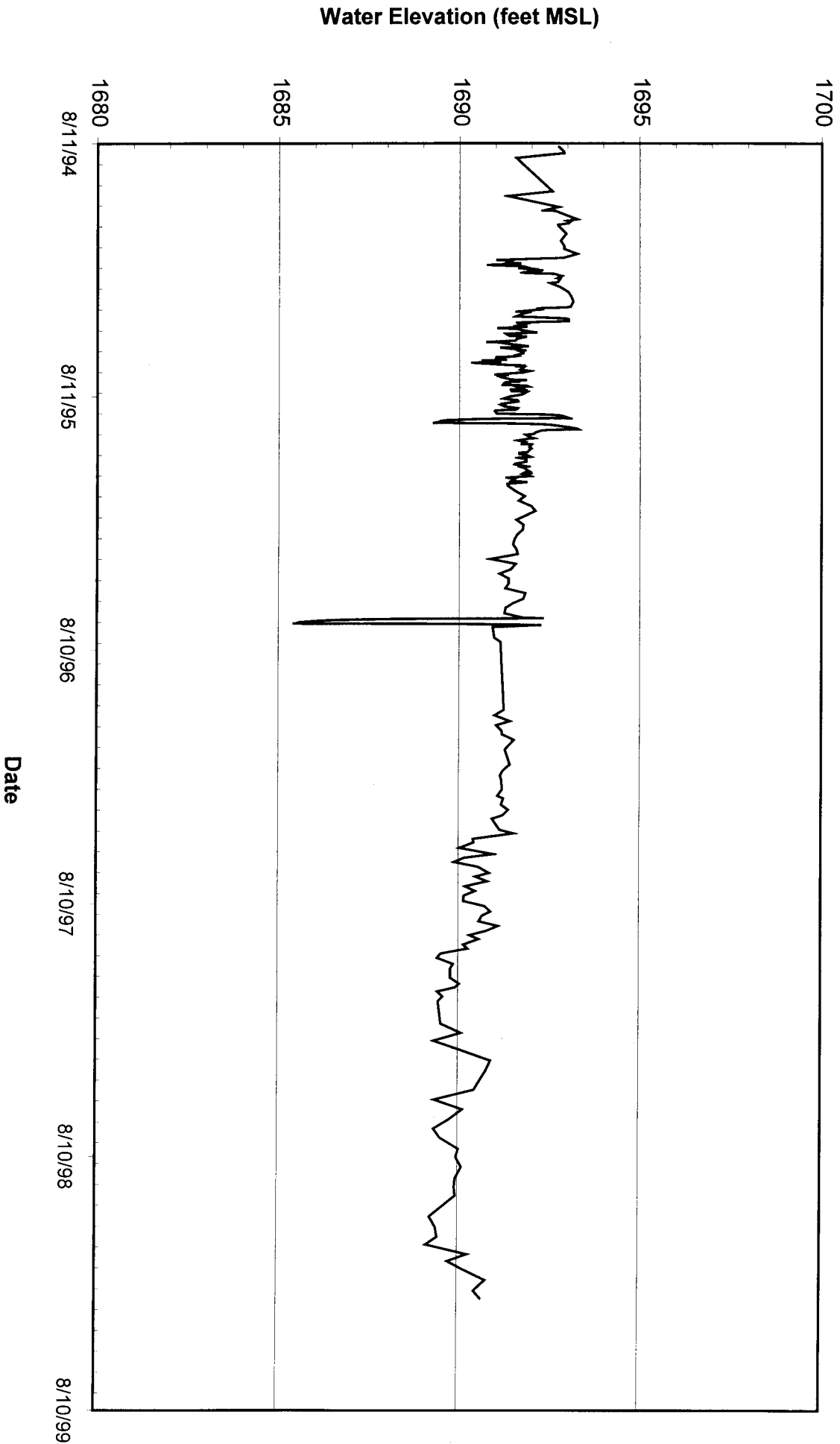
Source: MDNR

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OW 5-93 Water Elevations

Source: B. A. Leisch



OW 5-93 Water Elevations

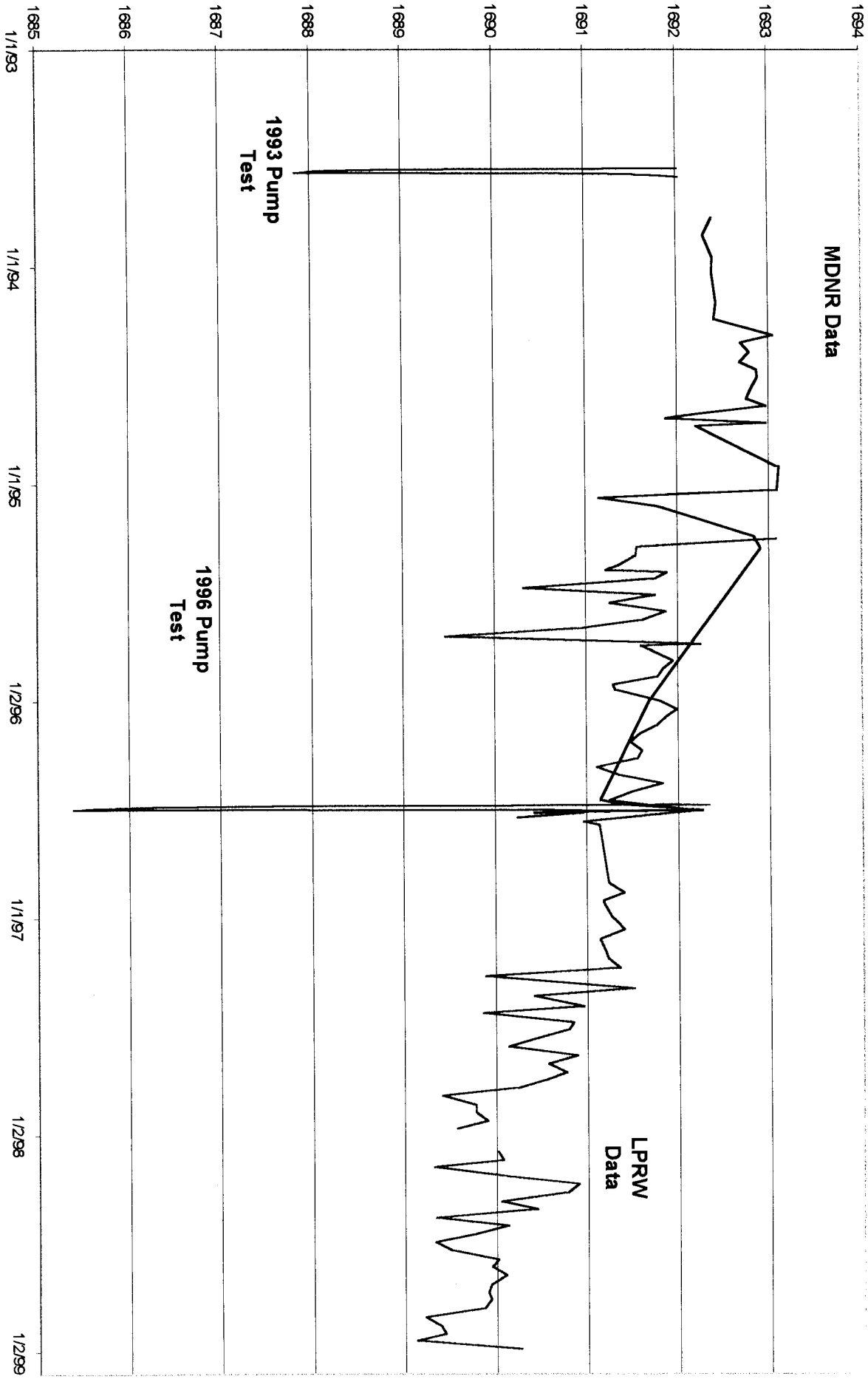
Source: MNDNR

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MDNR Data

LPRW Data

Water elevation (feet MSL)

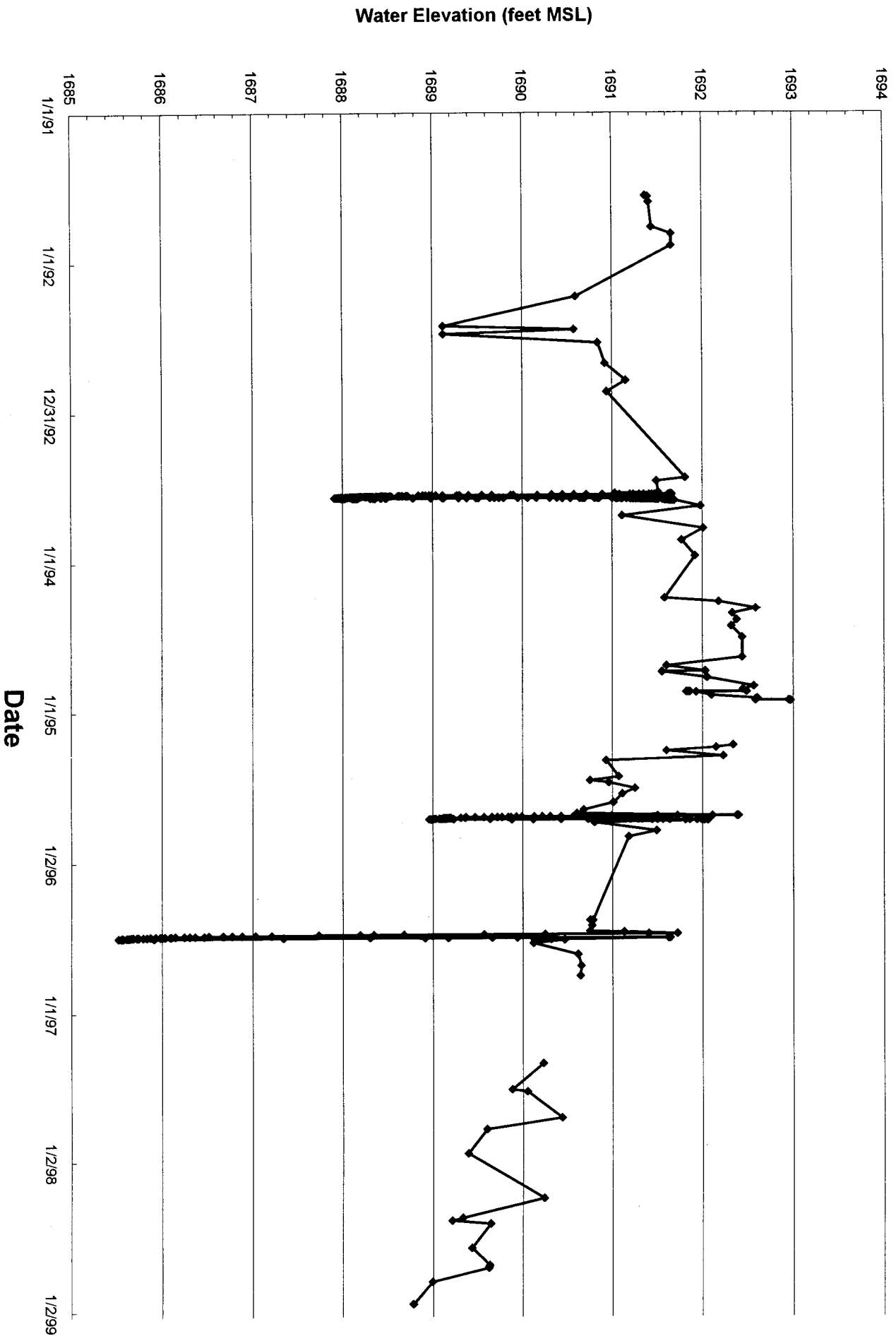


Date

Sioux Nation - Deep Steel OW Water Elevation Hand Readings

Source: MDNR

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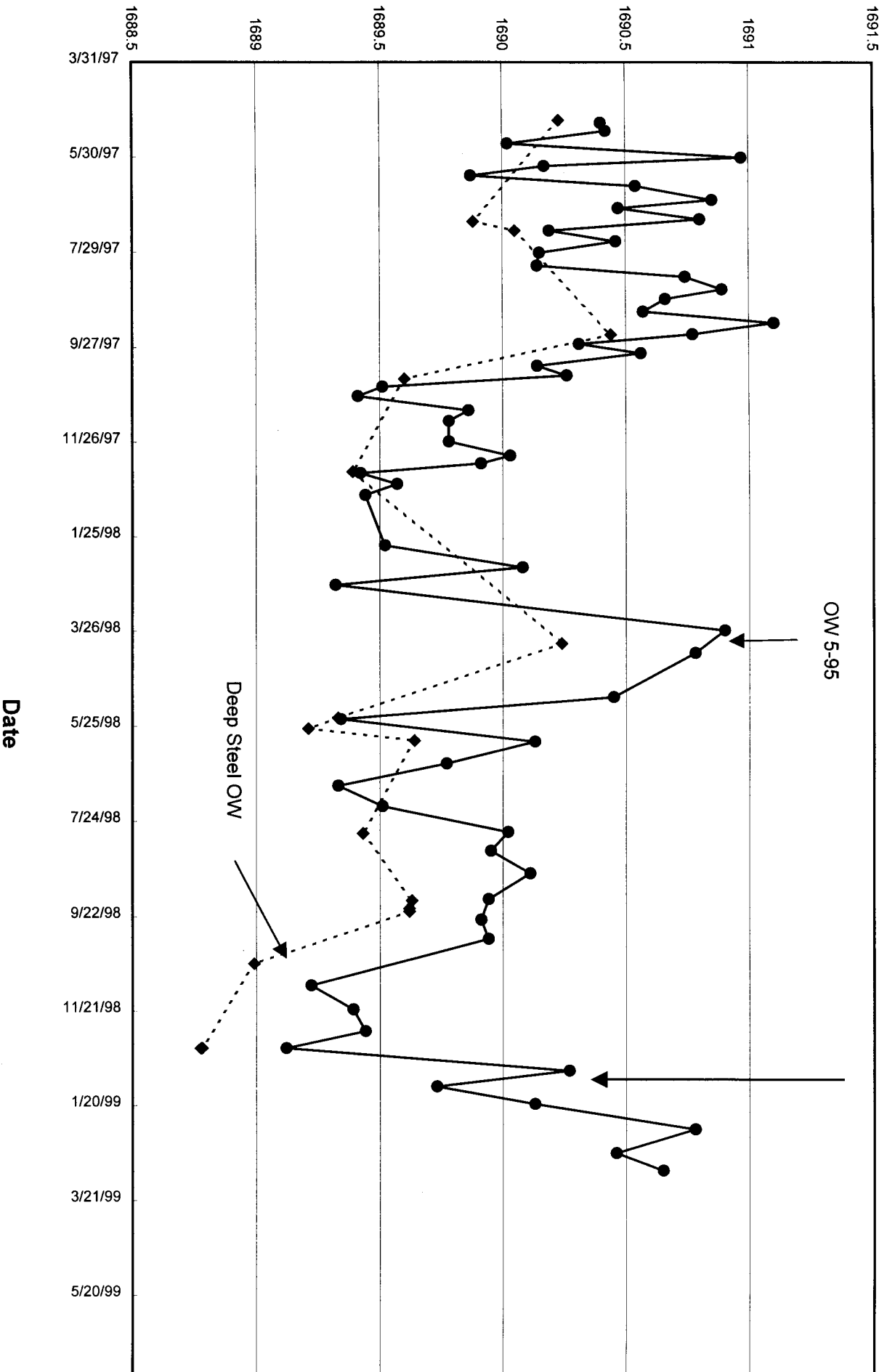
Water Elevations (feet MSL)

Comparison of Sioux Nation Deep Steel OW and OW 5-93

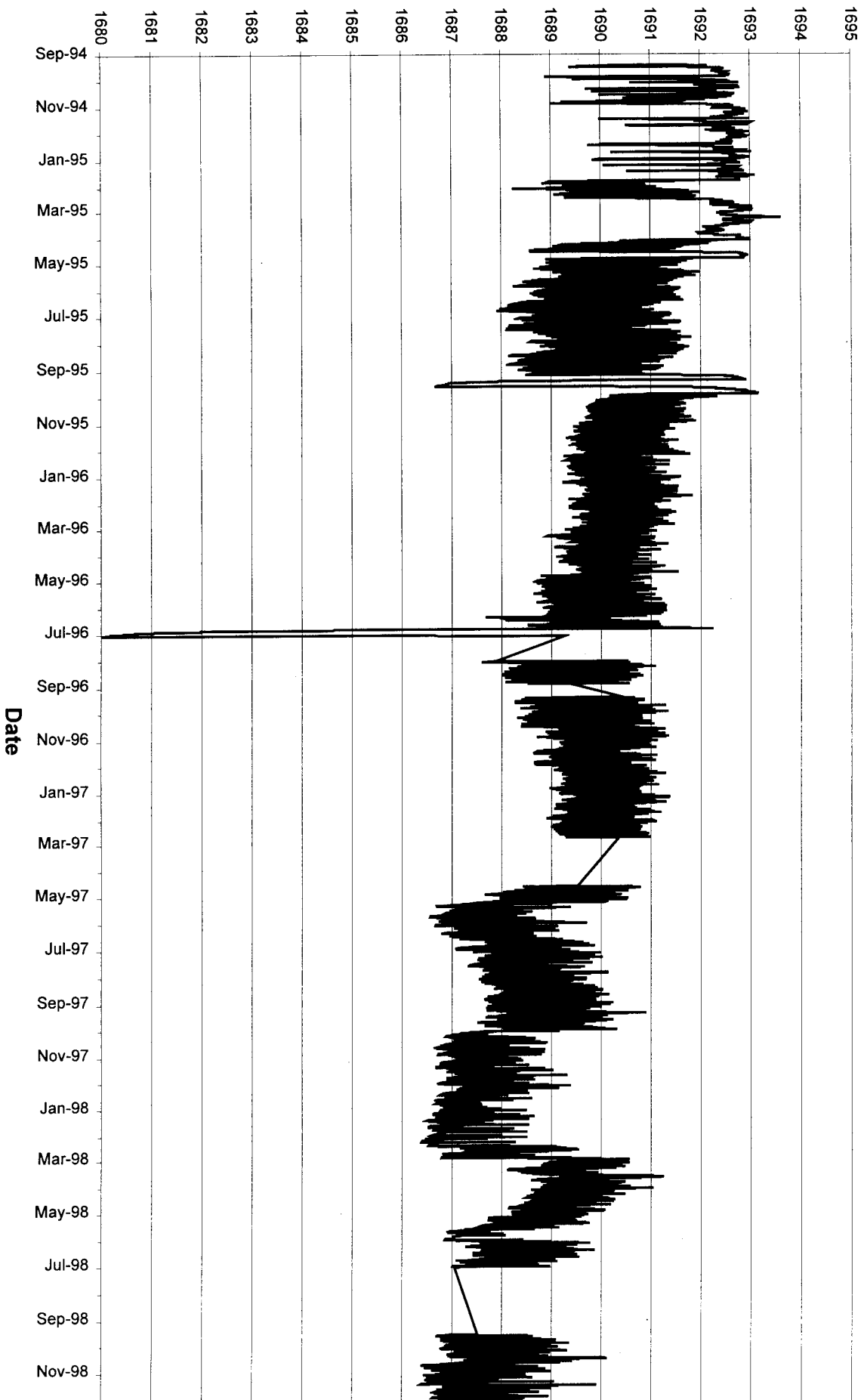
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Source: B. A. Leisch

1/20/99 Pumping Modification

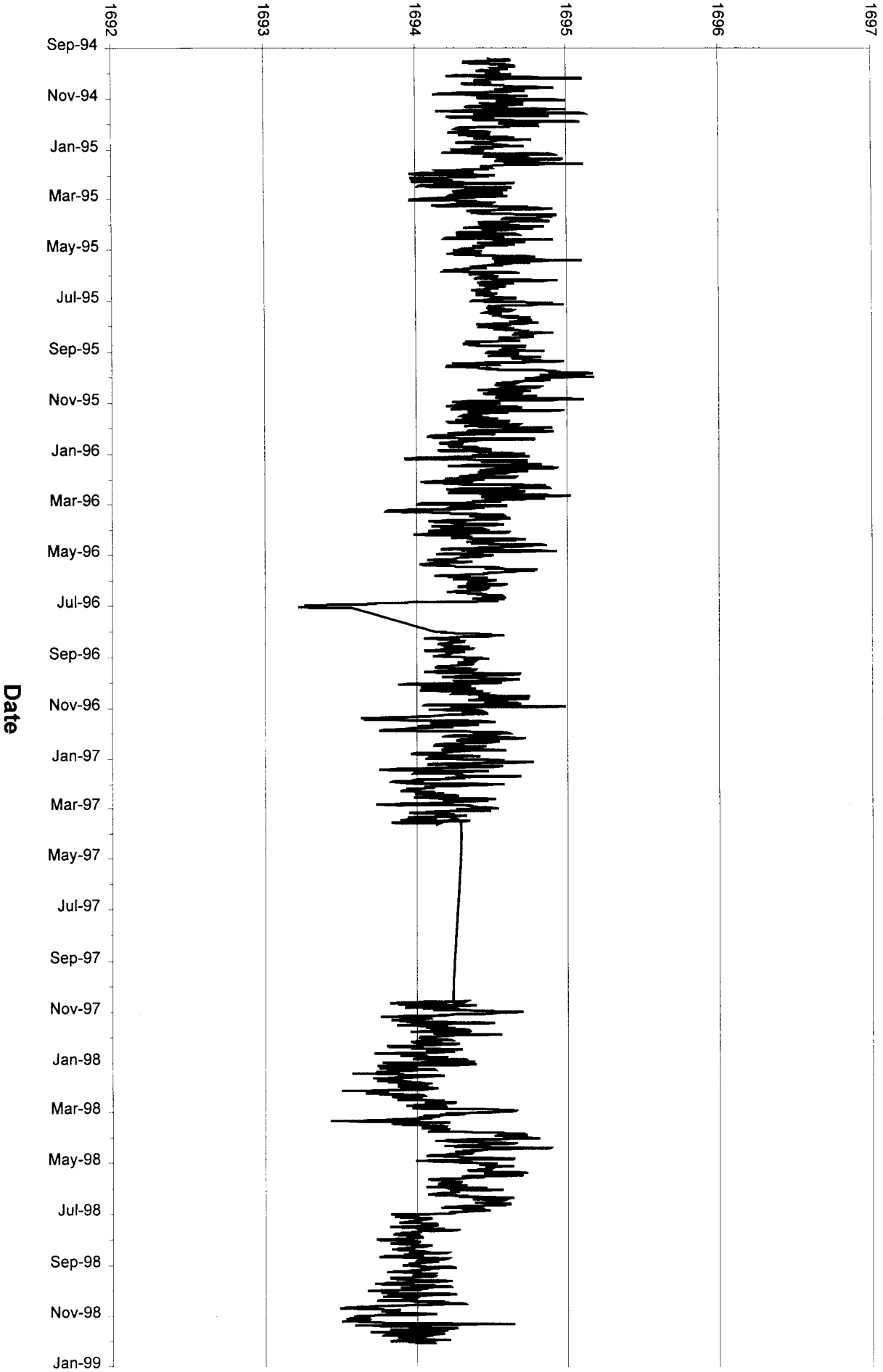


Water Elevation (feet MSL)



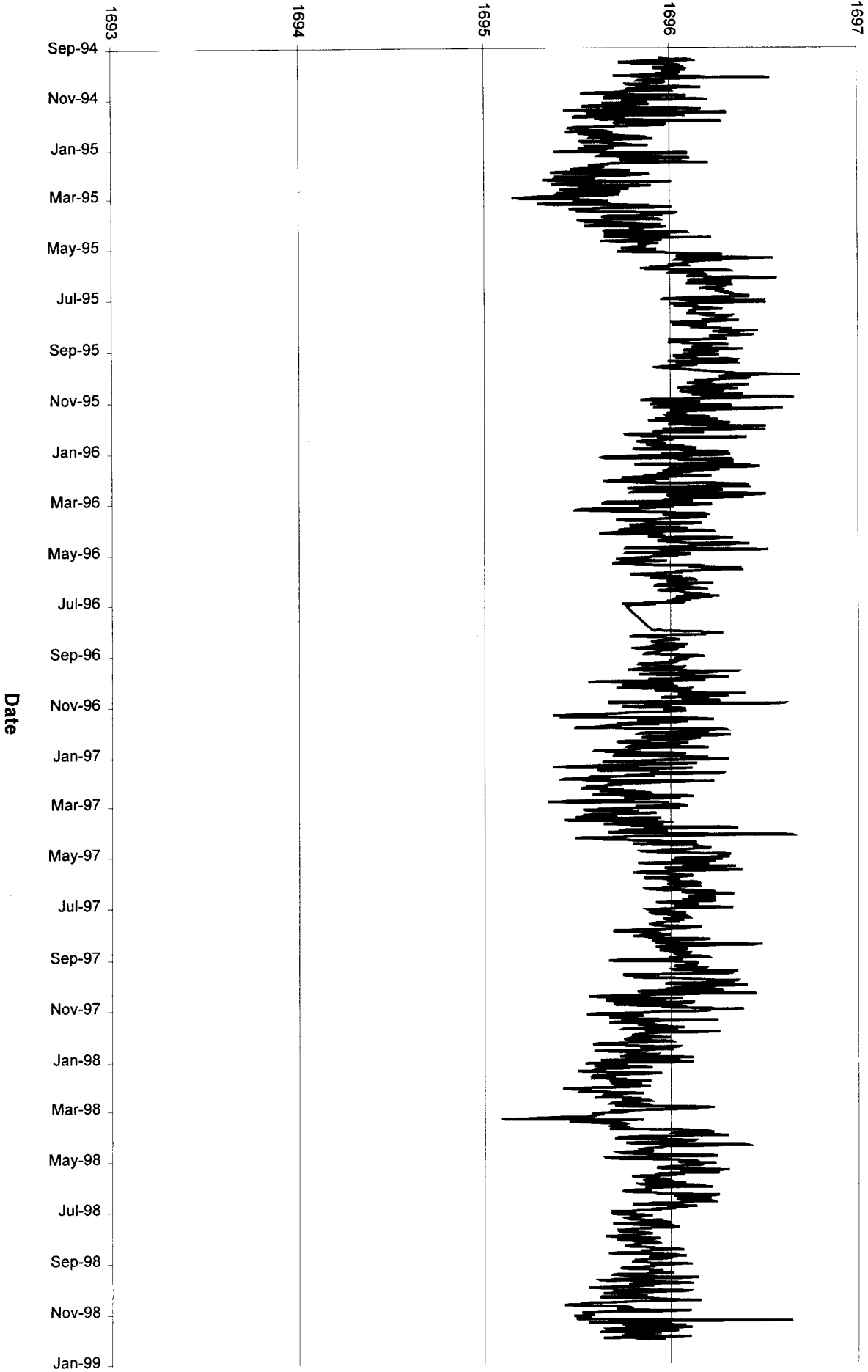
OW R2 93-10 Water Elevations
SD/MN State Line Observation Well
Source: SDDENR

Water Elevation (feet MSL)



OW R2 94-26 Water Elevations
West End of Lake Cochrane
Source: SDDENR

Water Elevation (Feet above MSL)



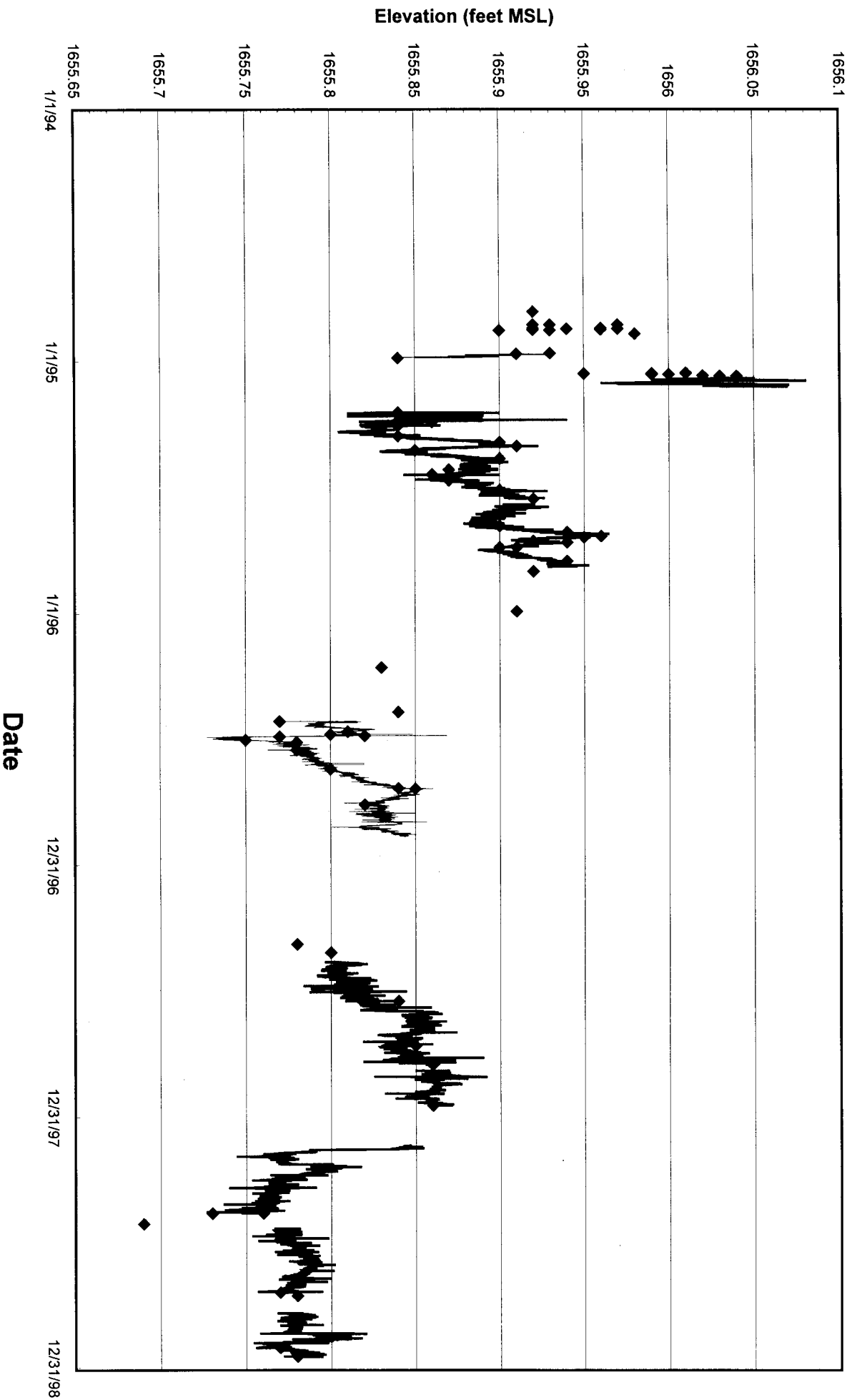
OW R2 94-33 Water Elevations
2.25 miles west of Lake Cochran
Source: SDDENR

Fairchild Fen Water Table Well

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Hand Readings

Source: MDNR



Fairchild Fen Deep Well Hand Readings Source: MDNR

