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TRANSMITTAL FORM

To: **Ann Kenny
Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452**

Date: **January 3, 2002**
Project Number: **556-2912-01-01-41D**
Project Name: **STIA MPU Natural
Resource Permitting**

We are transmitting the following materials:

Pre-construction hydrologic monitoring data for wetlands, required by conditions D1g, D5, and D6g of Water Quality Certification #1996-4-02325 (Amended-1), September 23, 2001.

Comments:

Please contact me at 425-822-8880 if there are any questions.

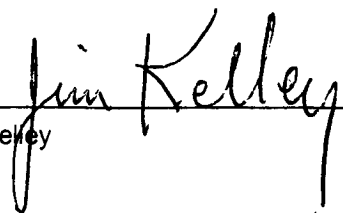
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Sincerely,

cc:



Jim Kelley

AR 031474

Exhibit-2054

PRE-CONSTRUCTION HYDROLOGIC MONITORING DATA

**MASTER PLAN UPDATE IMPROVEMENTS
SEATTLE-TACOMA INTERNATIONAL AIRPORT**

Prepared for

Port of Seattle
Seattle-Tacoma International Airport
Seattle, Washington 98158

Prepared by

Parametrix, Inc.
5808 Lake Washington Blvd. N.E., Suite 200
Kirkland, Washington 98033

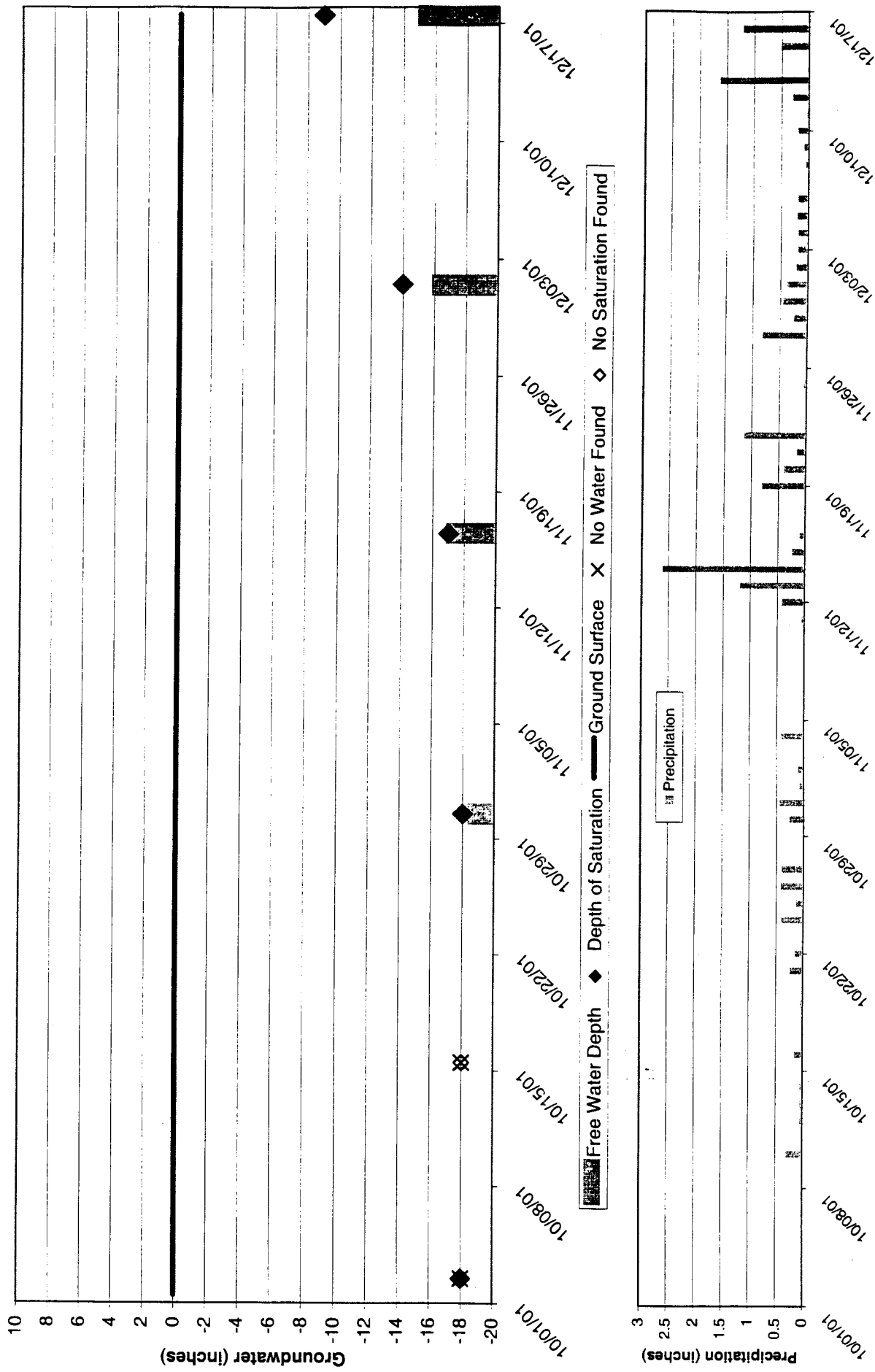
January 3, 2002

556-2912-001(41D)

AR 031475

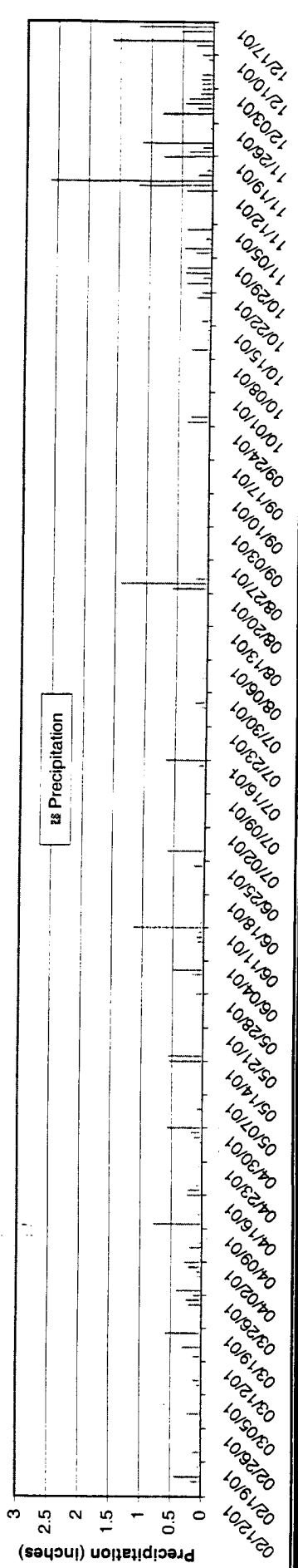
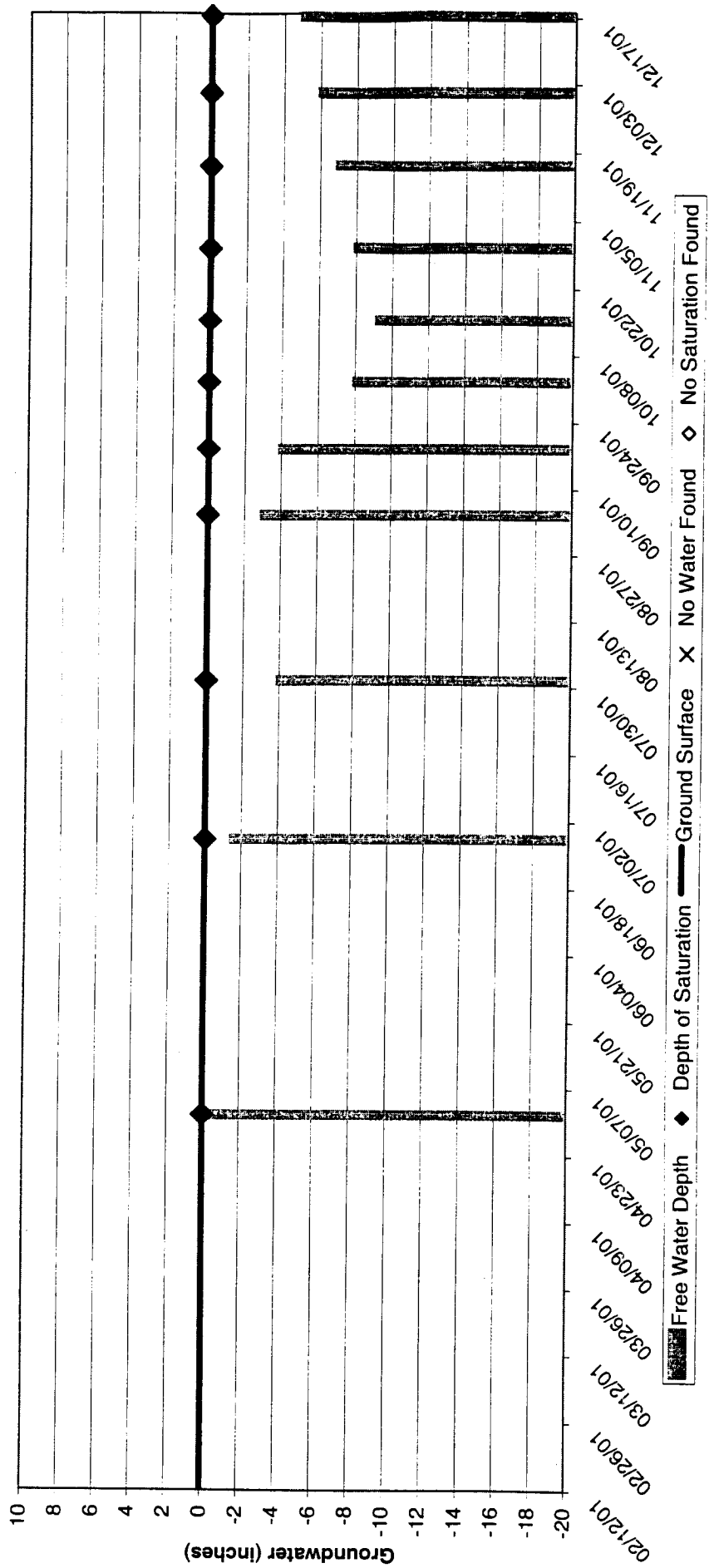
**HYDROLOGIC MONITORING IN WETLANDS LOCATED NEAR THE
THIRD RUNWAY EMBANKMENT**

AR 031476



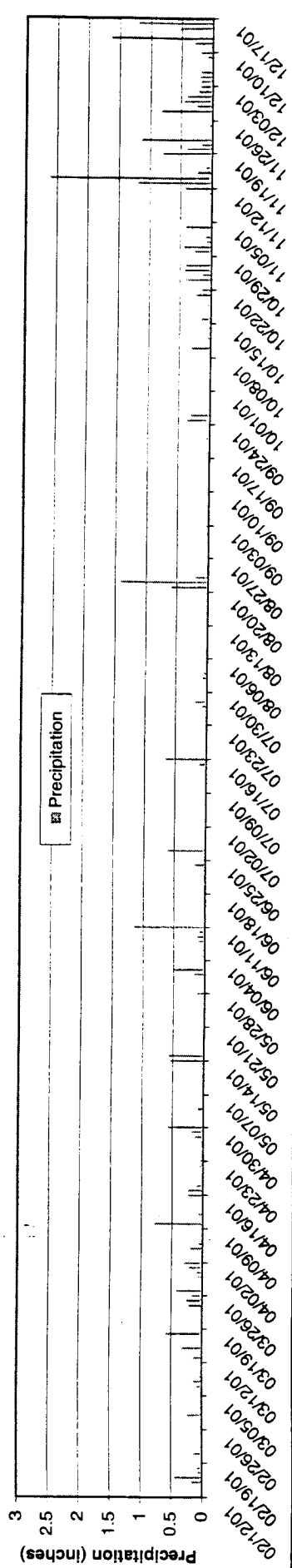
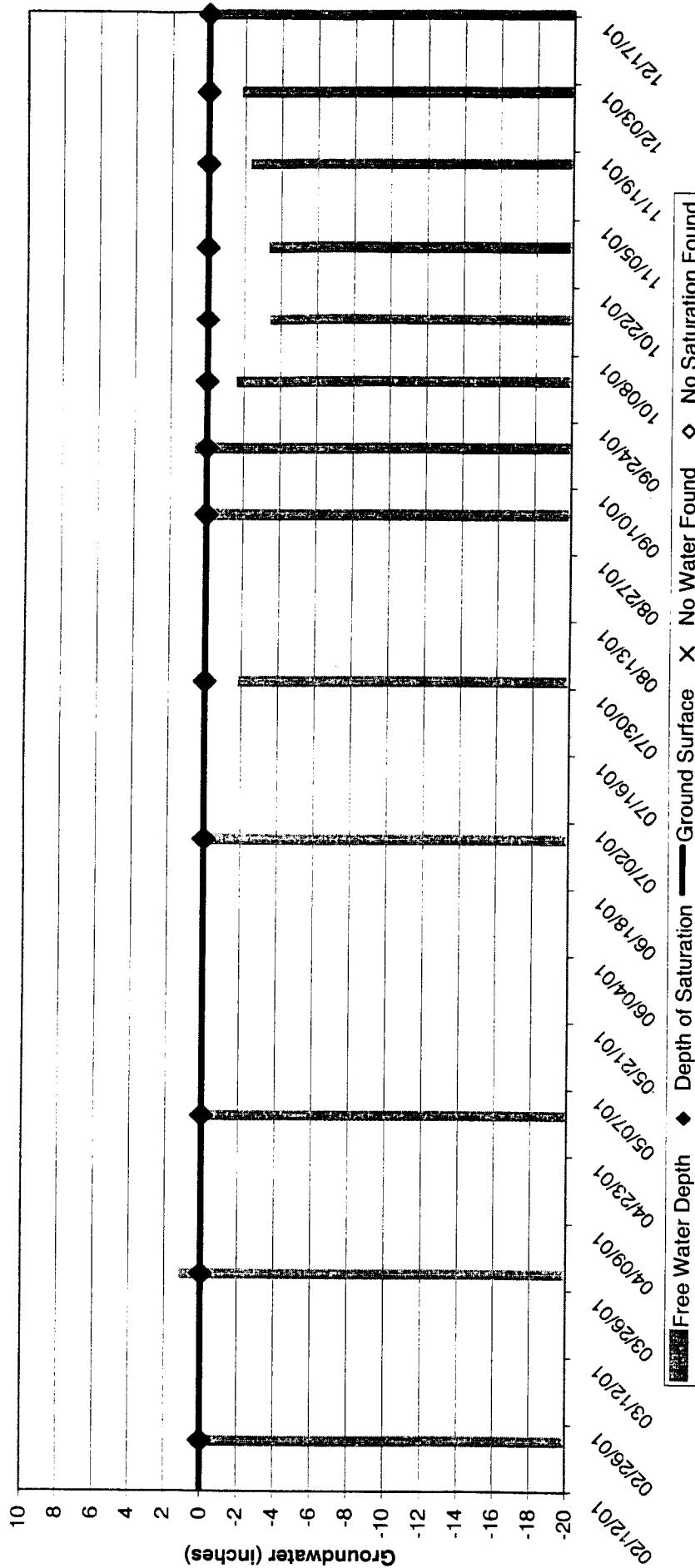
Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland 3, Well 3.

AR 031477

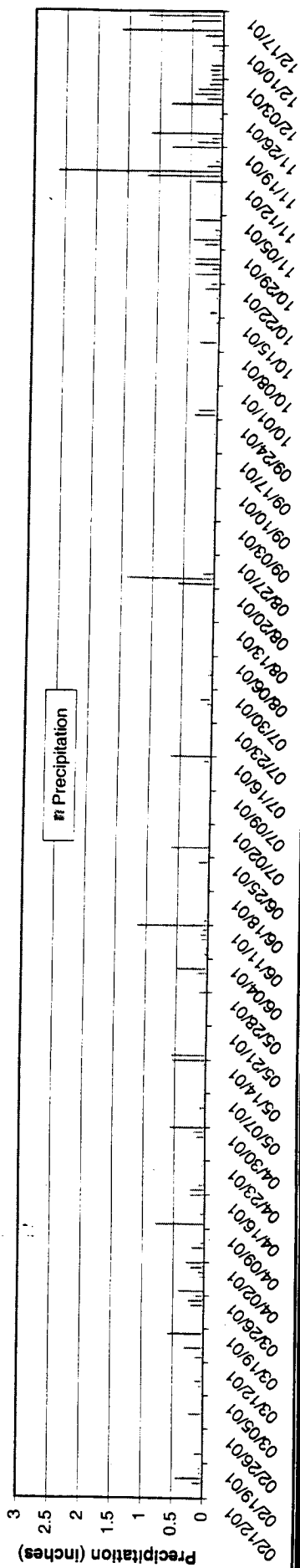
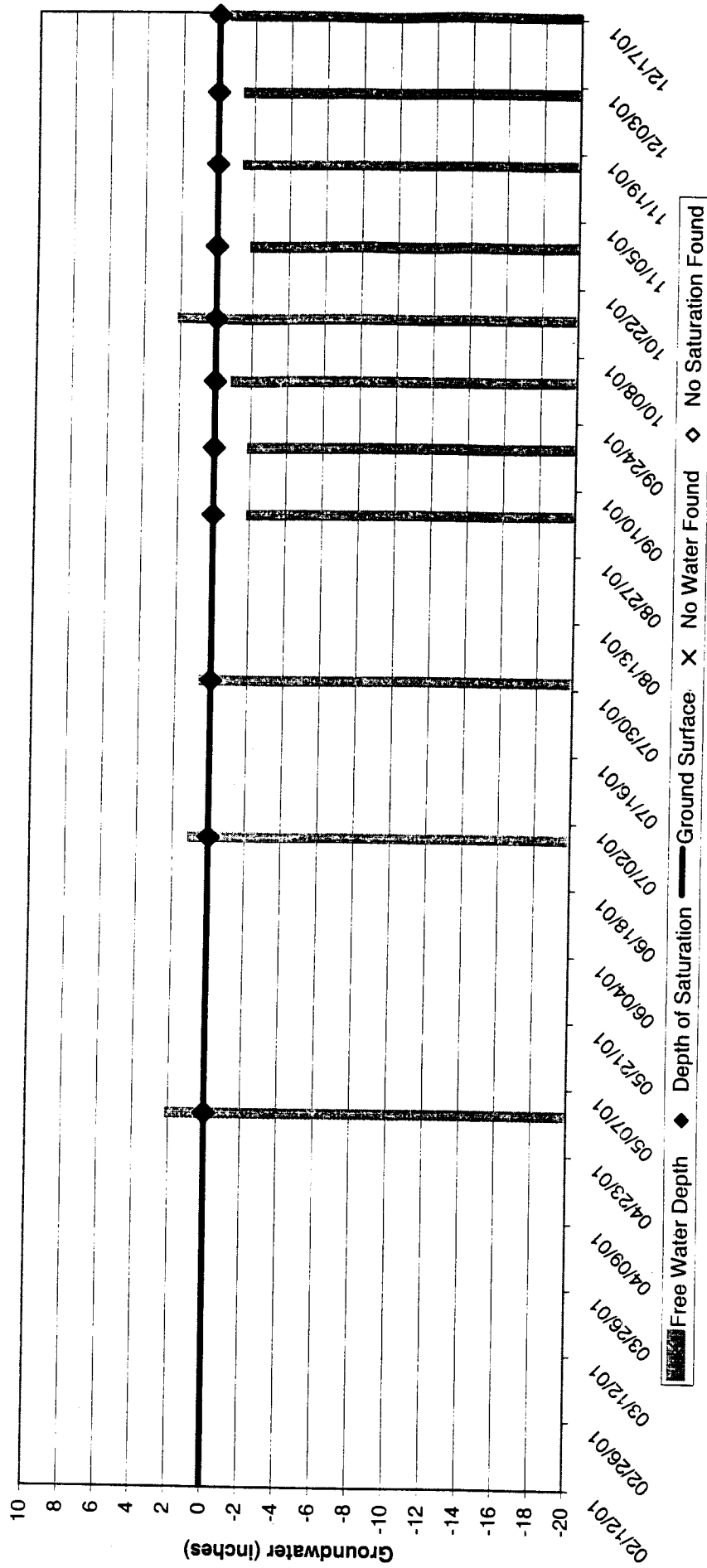


Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland 4, Well 4.

AR 031478

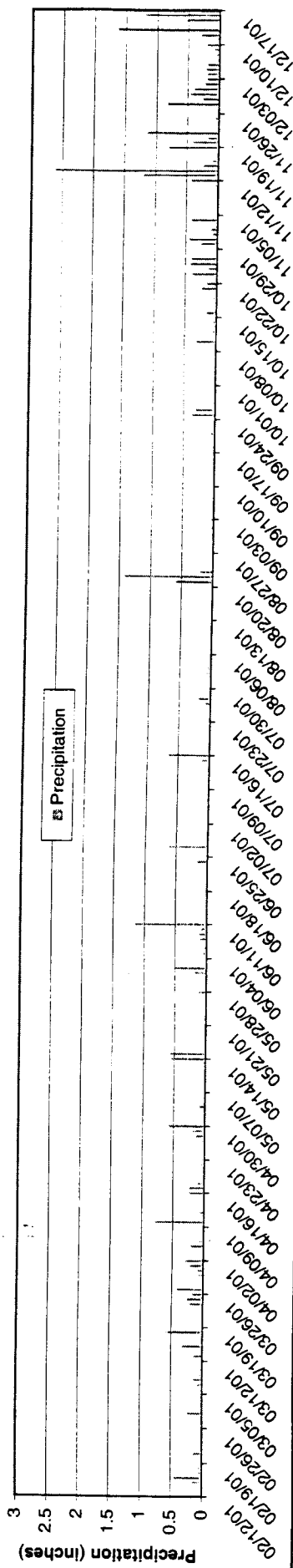
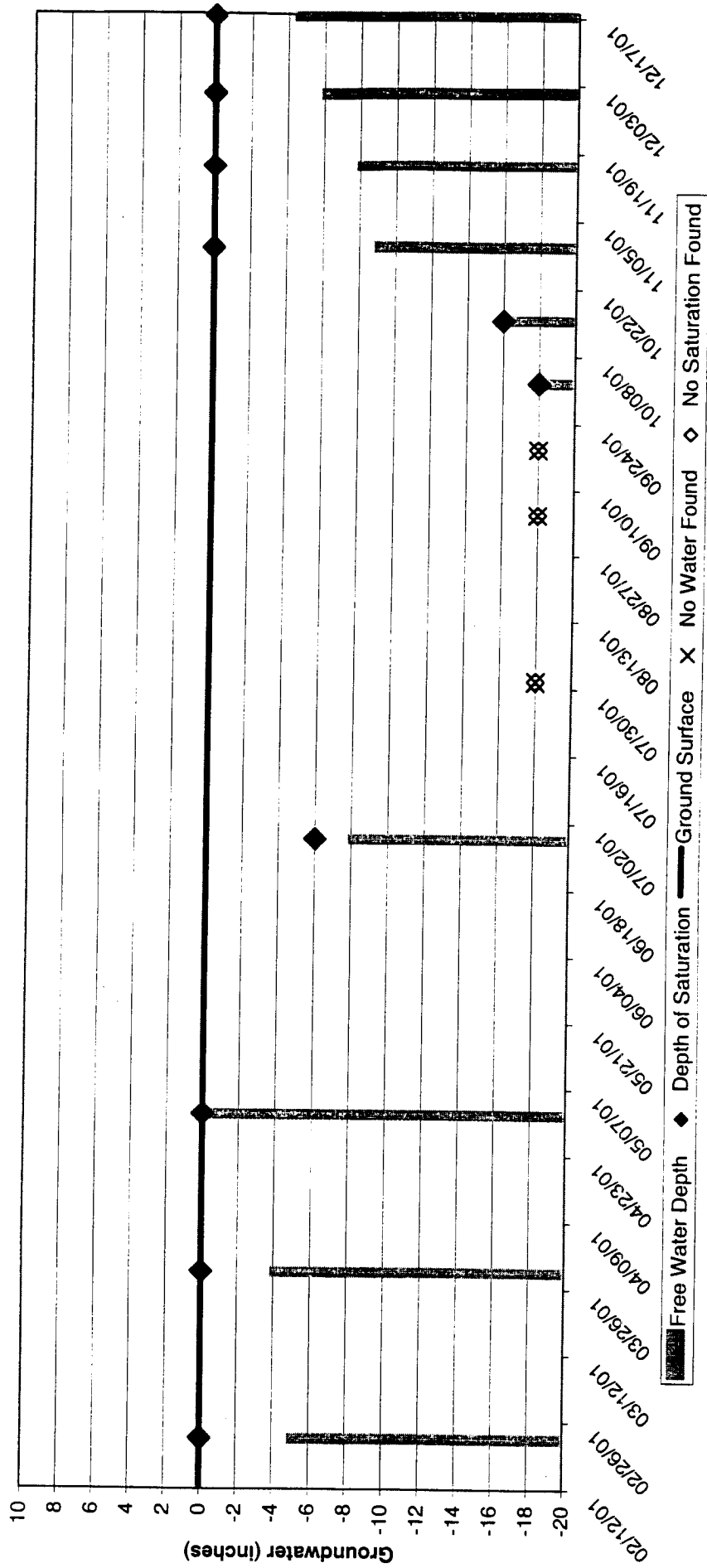


Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland 5, Well 5-1.



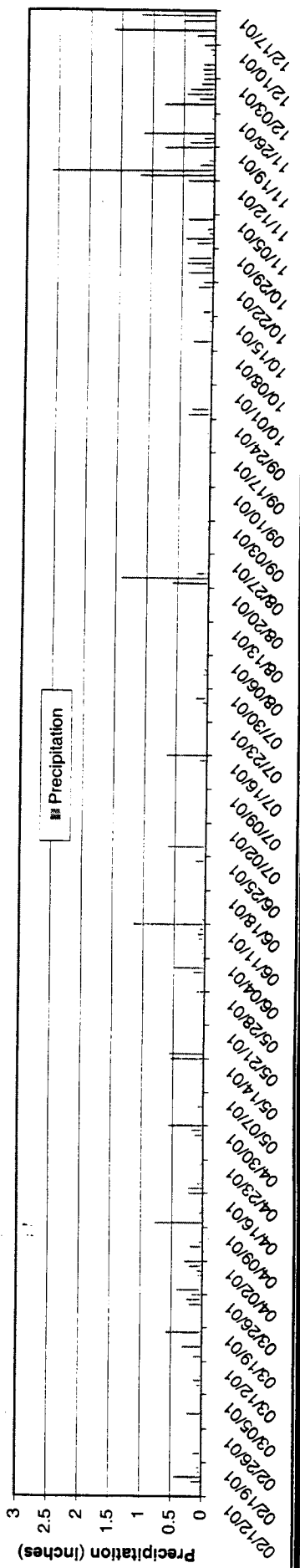
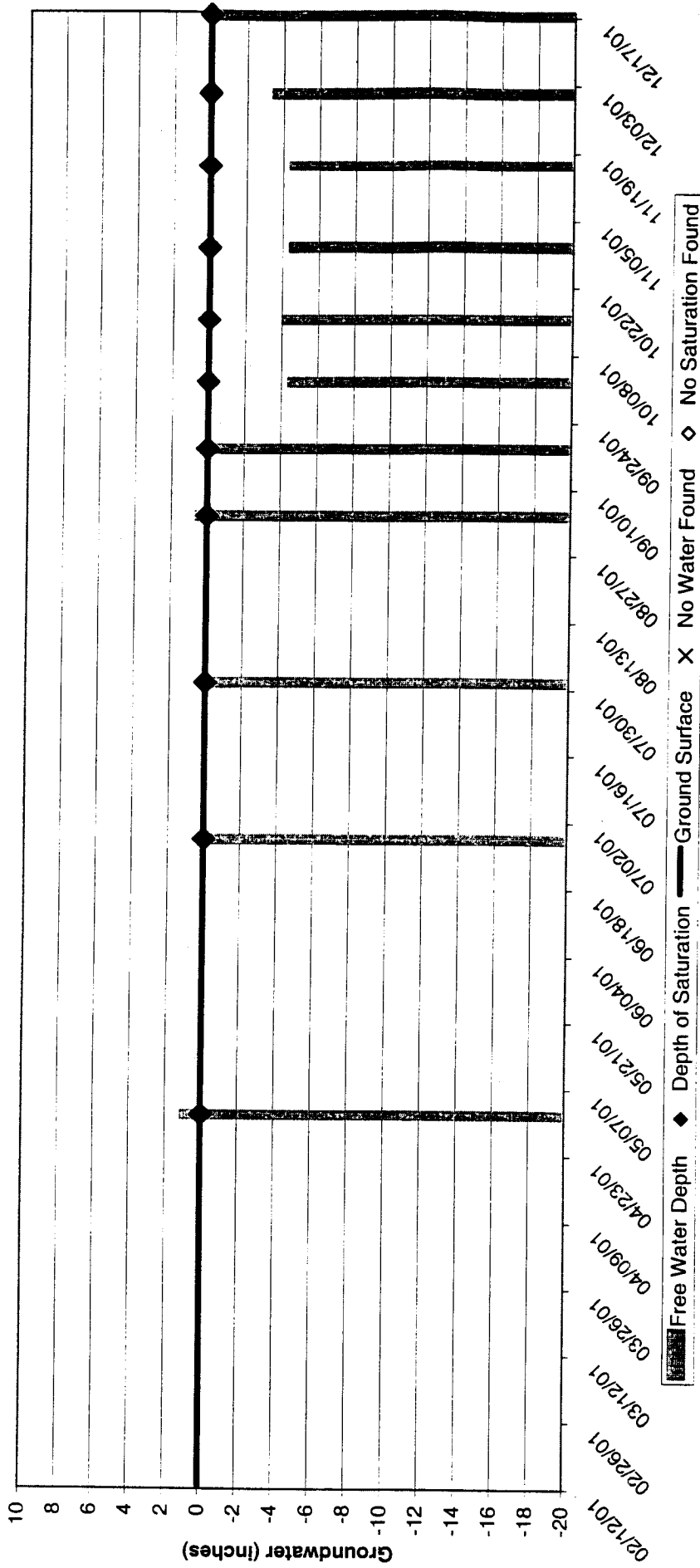
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AR 031480

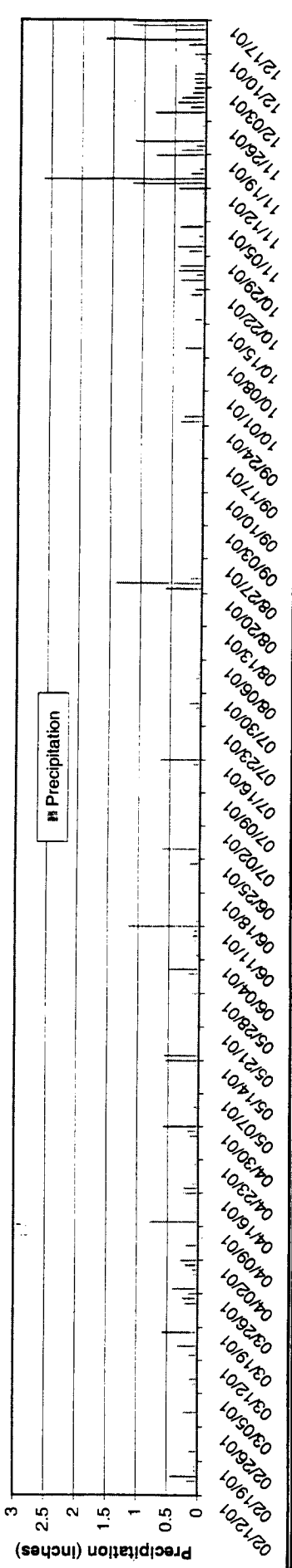
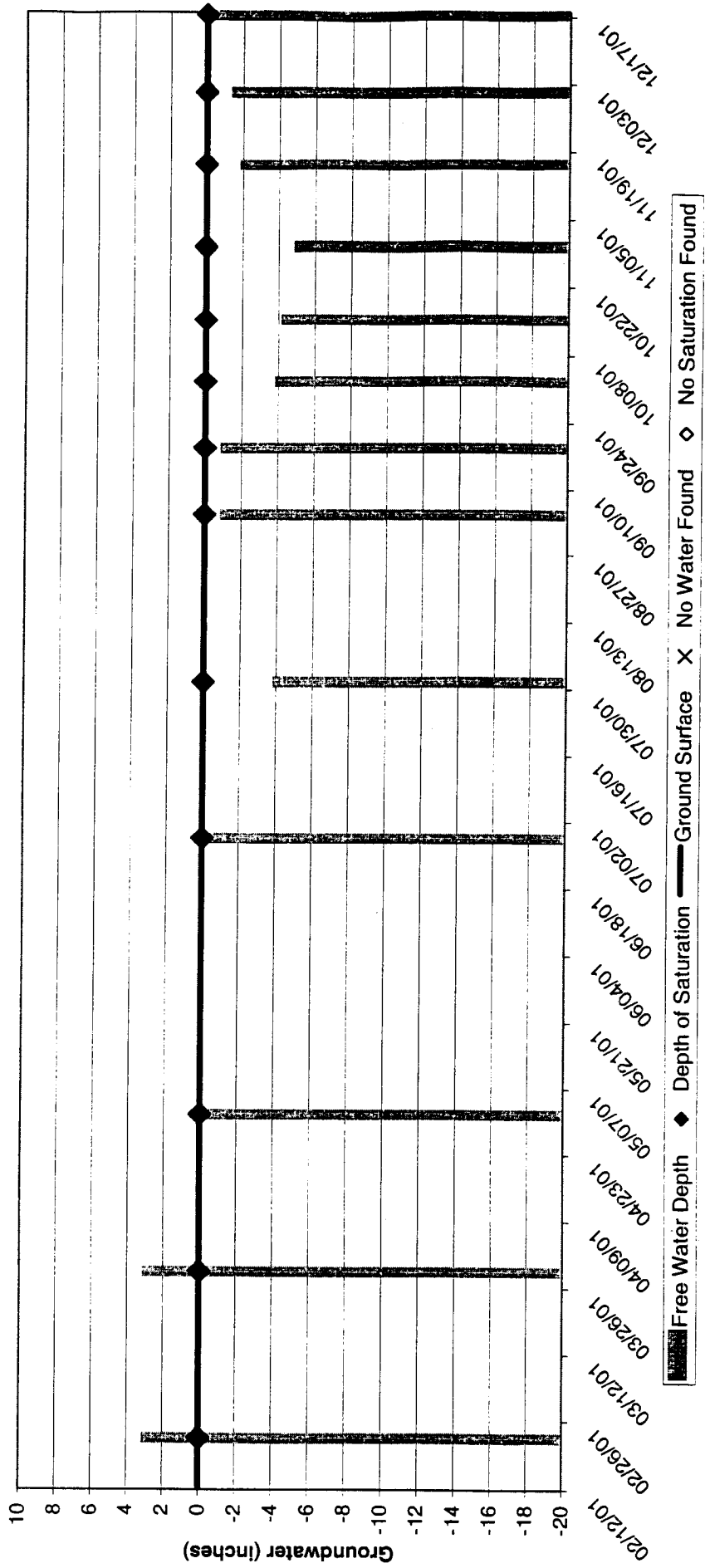


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AR 031481

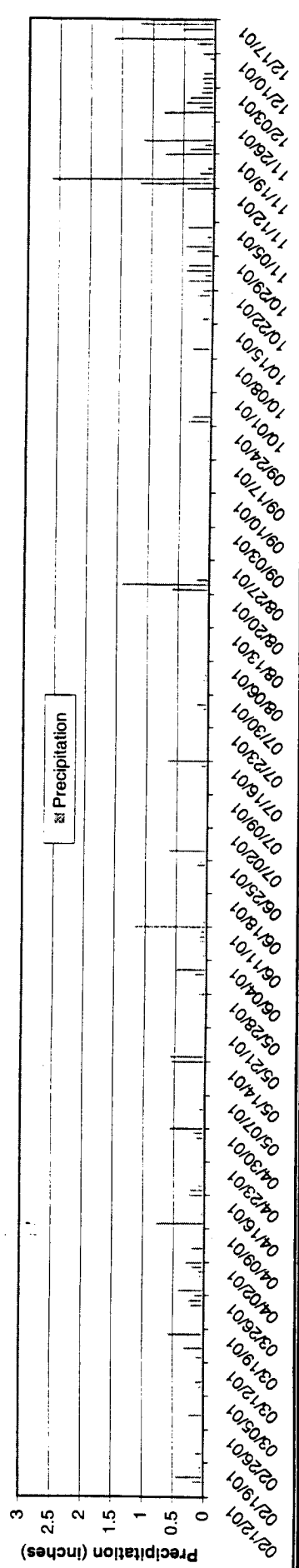
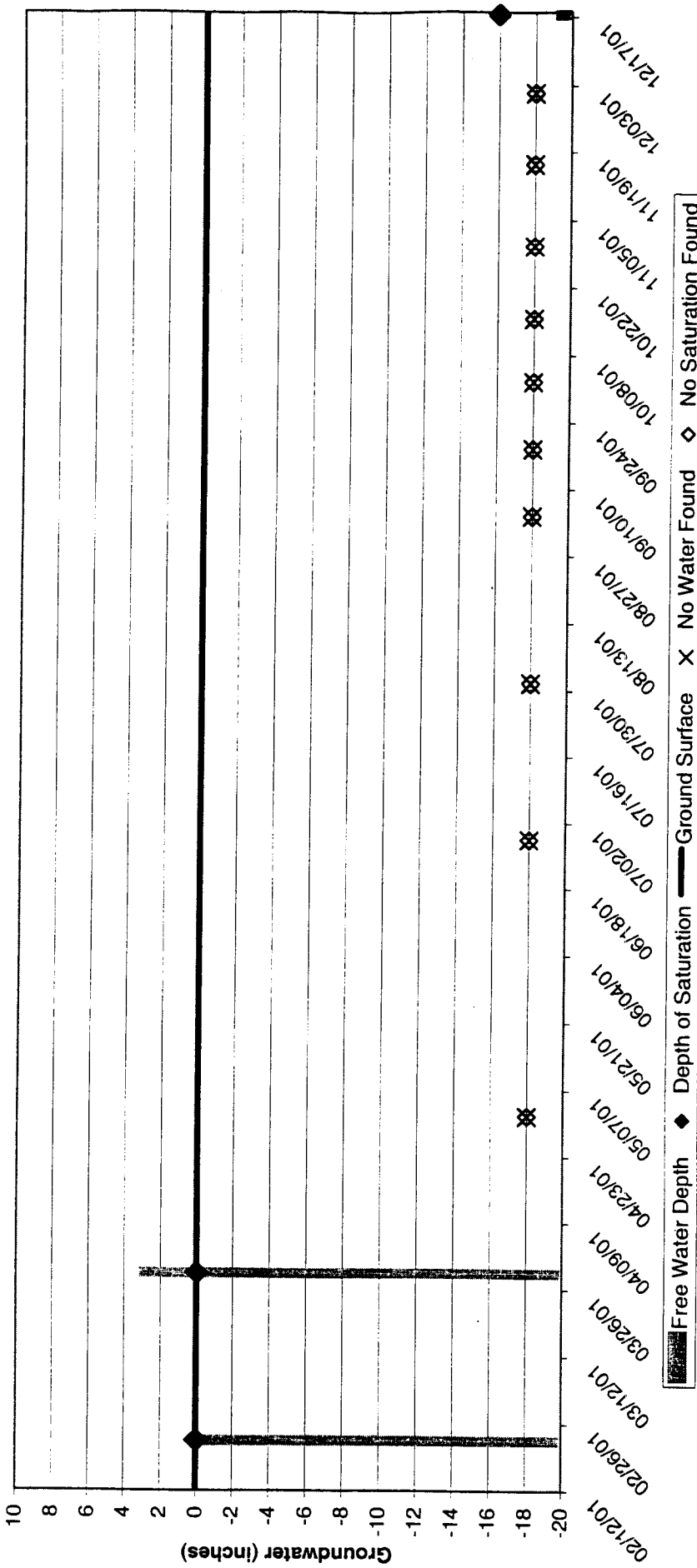


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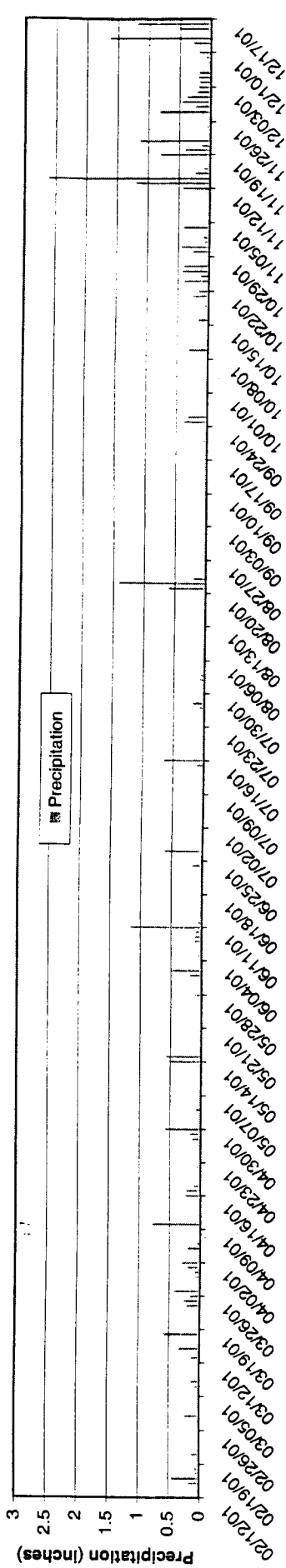
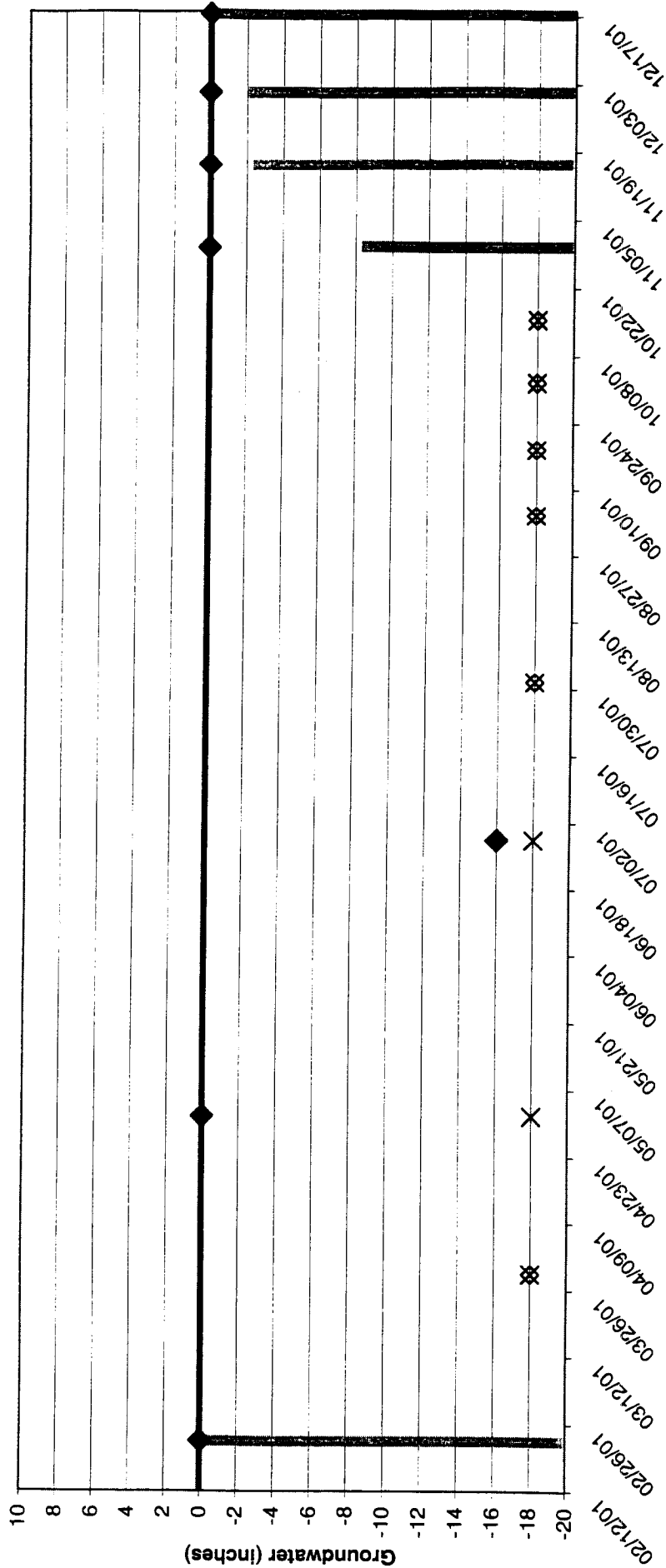
Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland 10, Well 10.

AR 031483



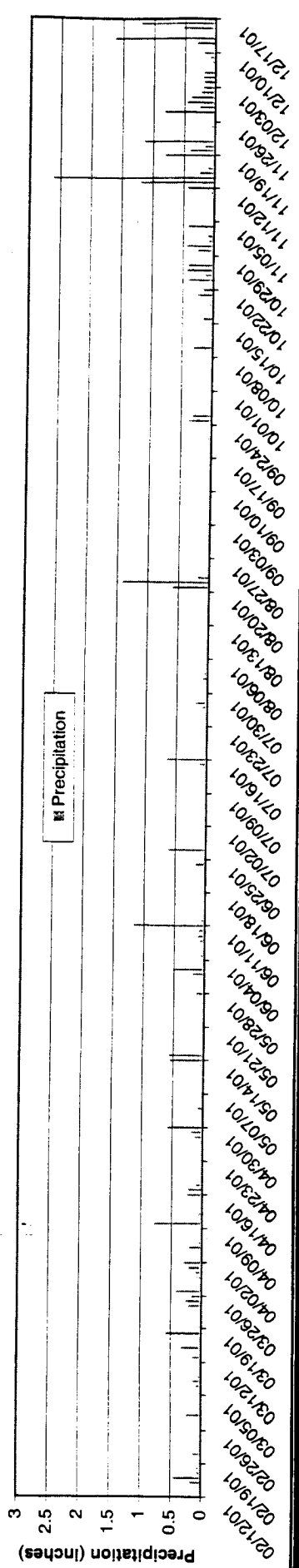
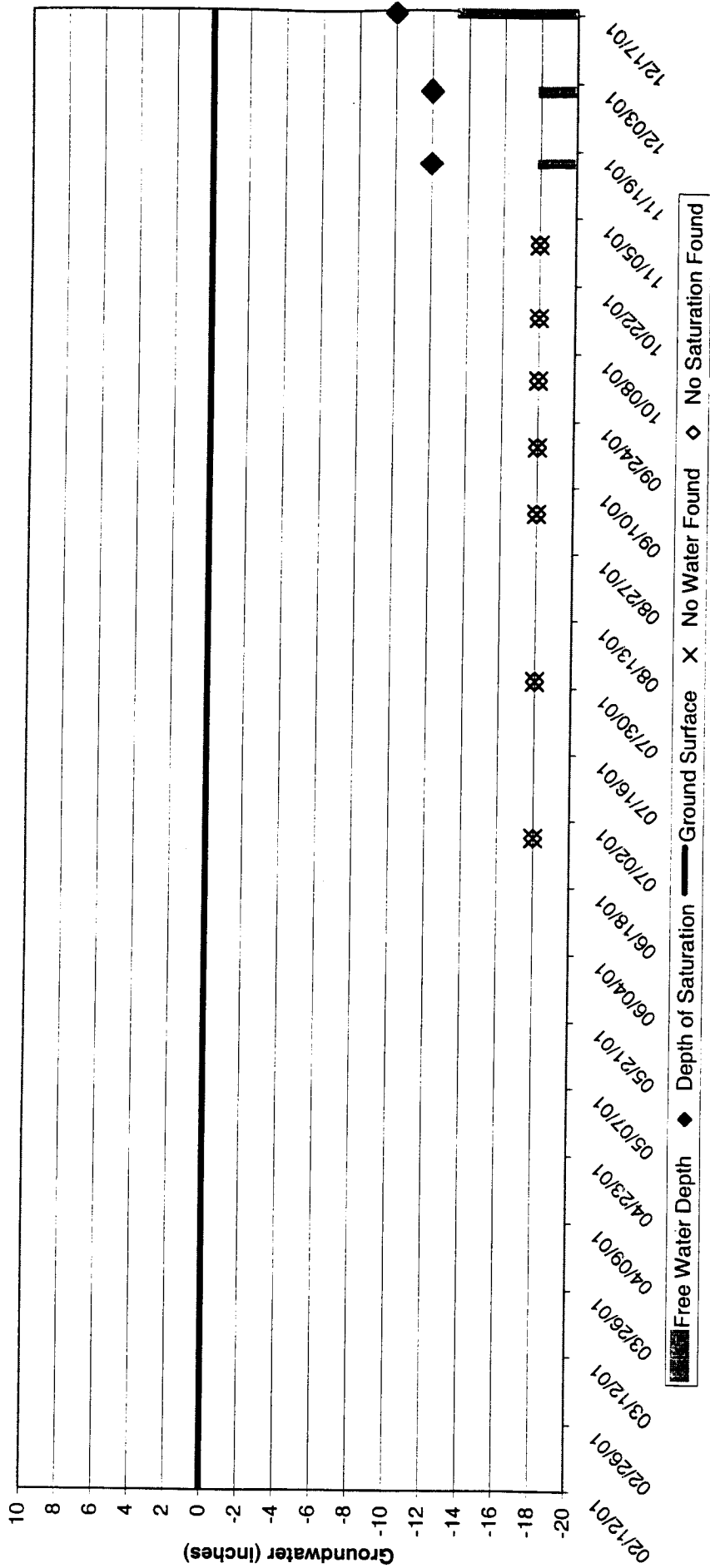
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AR 031484



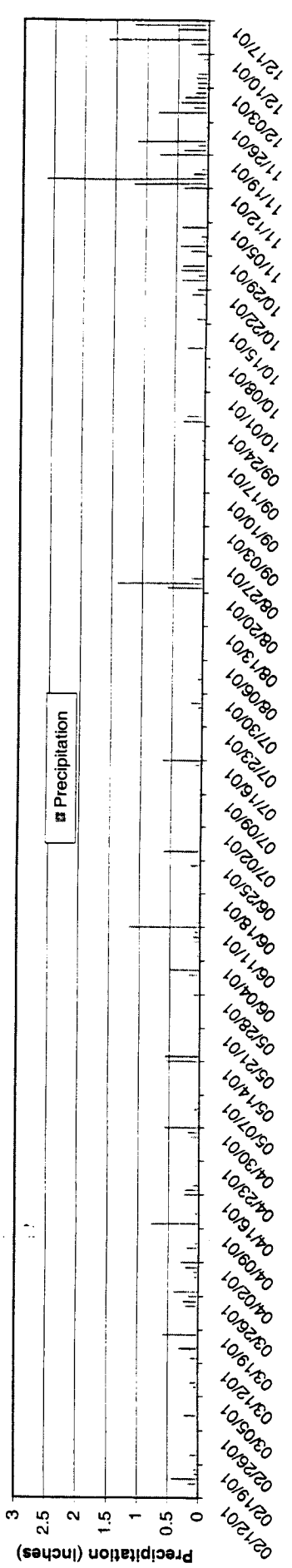
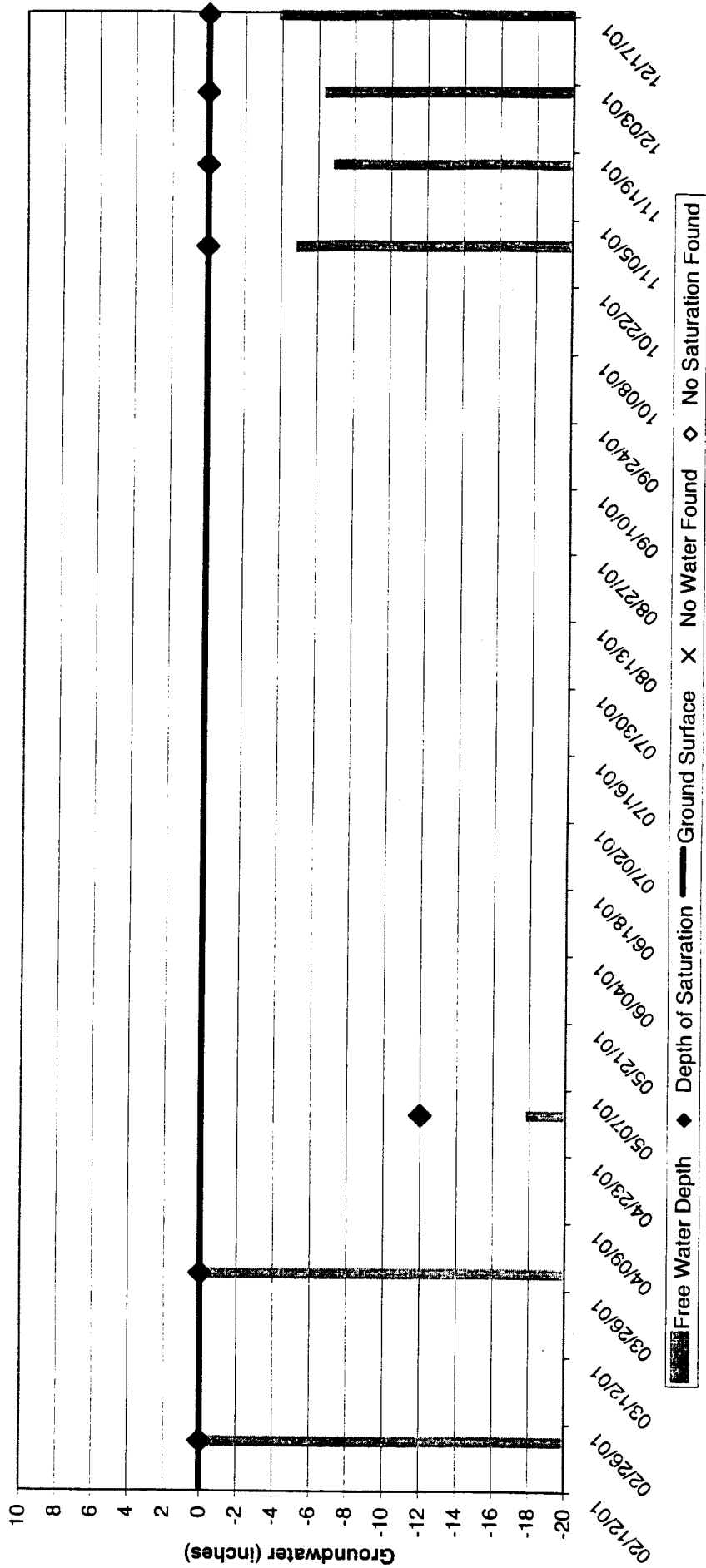
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AR 031485



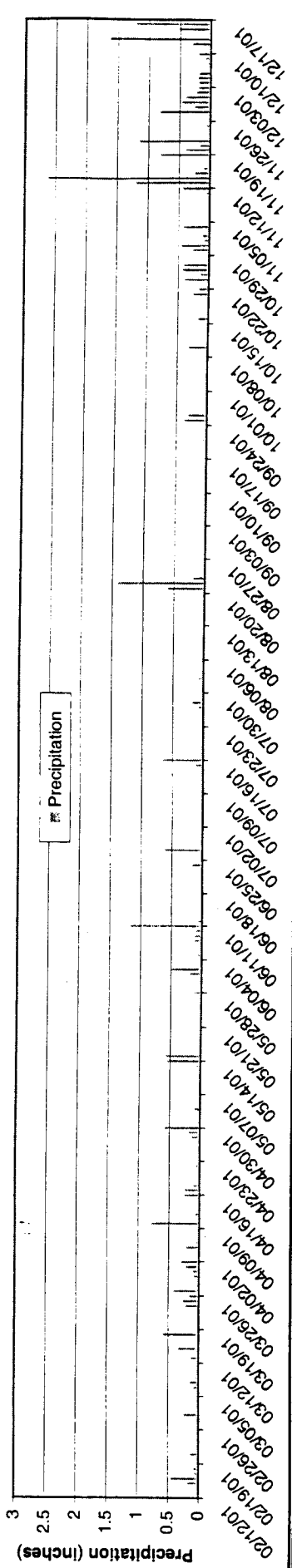
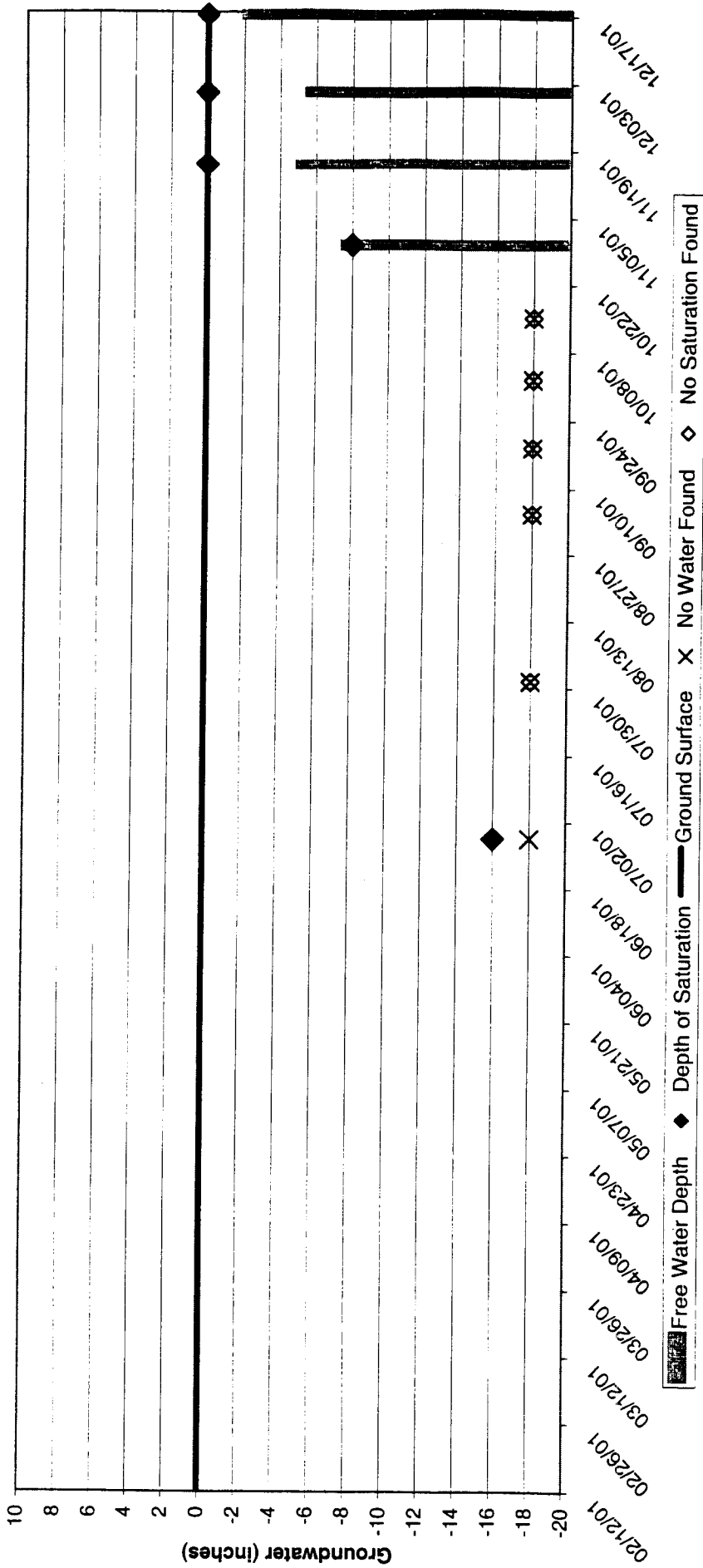
Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland 37, Well 37-1.

AR 031486

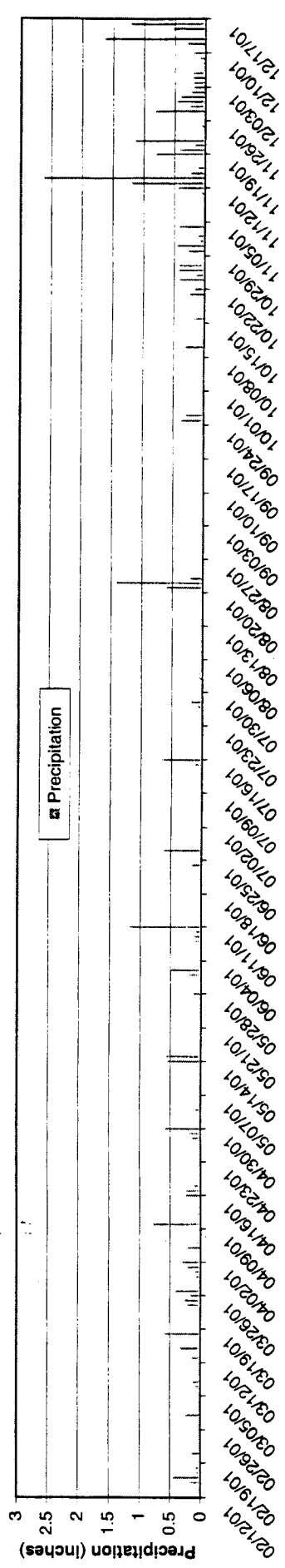
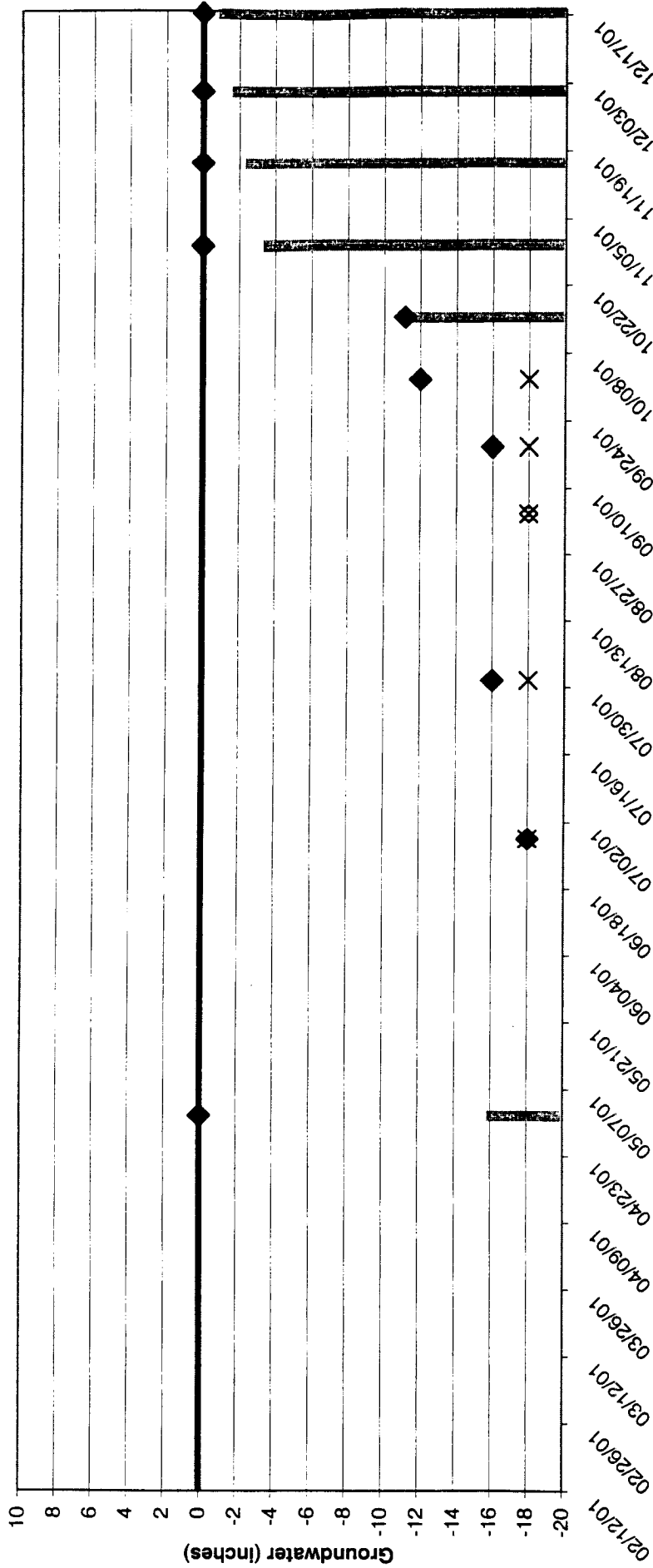


**Preconstruction Hydrologic Measurement of
 Groundwater, Saturated Soil, and Daily Precipitation
 Conditions at Wetland 37, Well 37-2.**

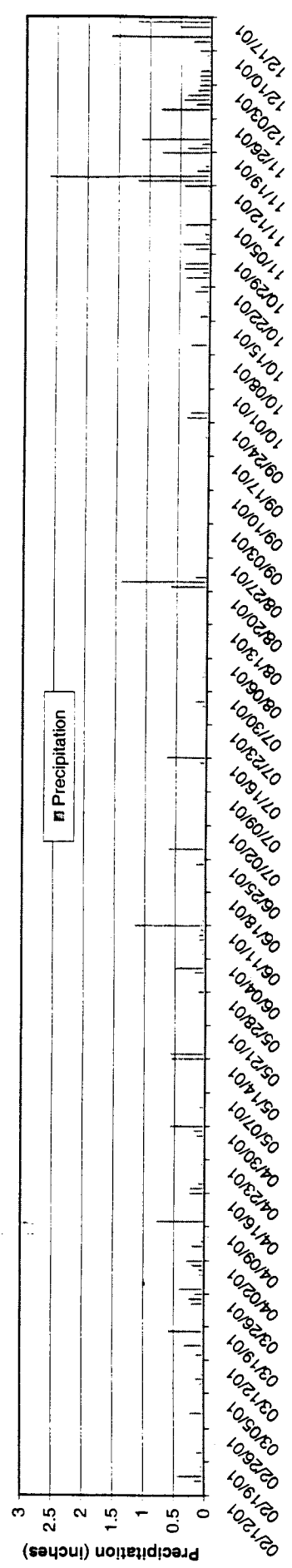
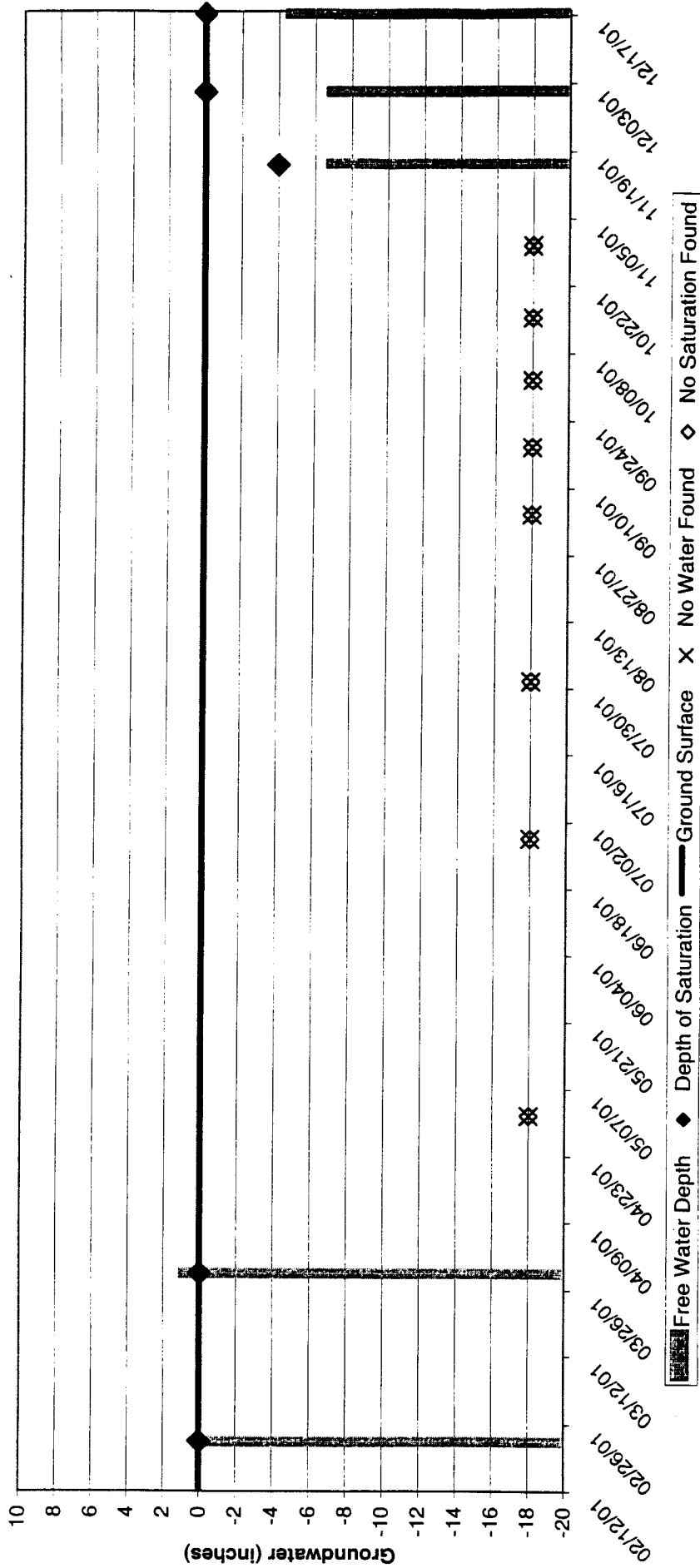
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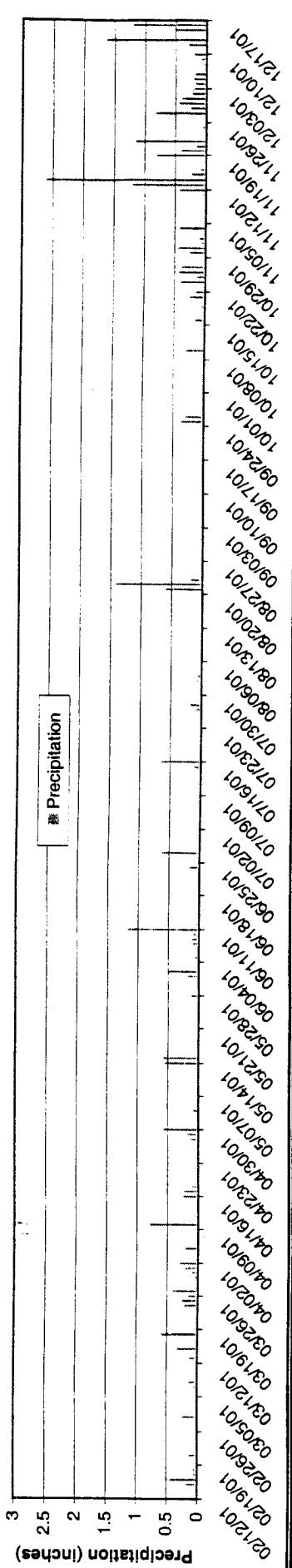
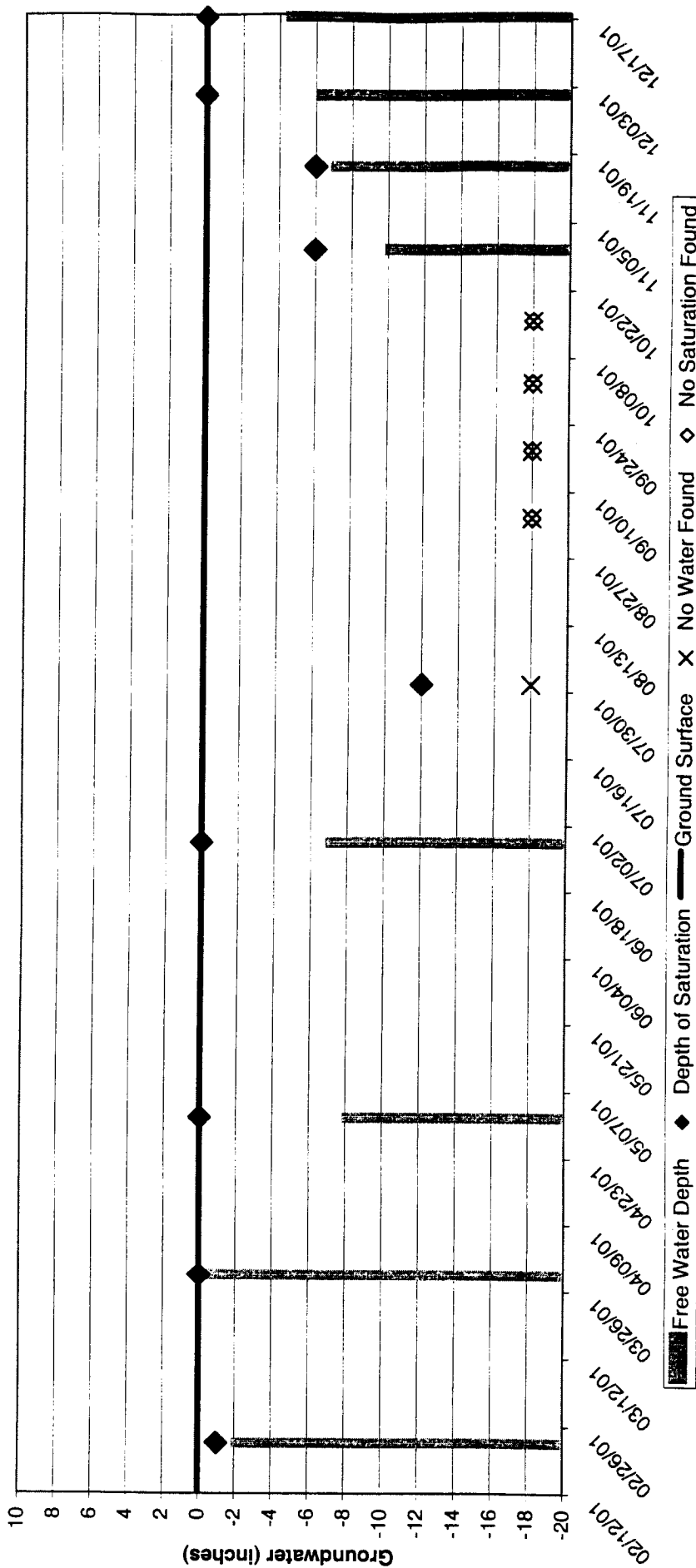
Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland 37, Well 37-2a.



Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland 37, Well 37-3.

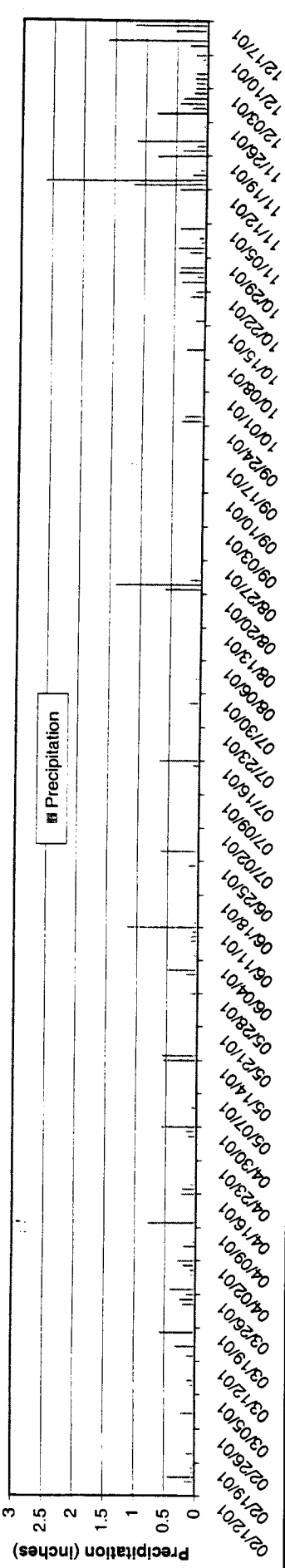
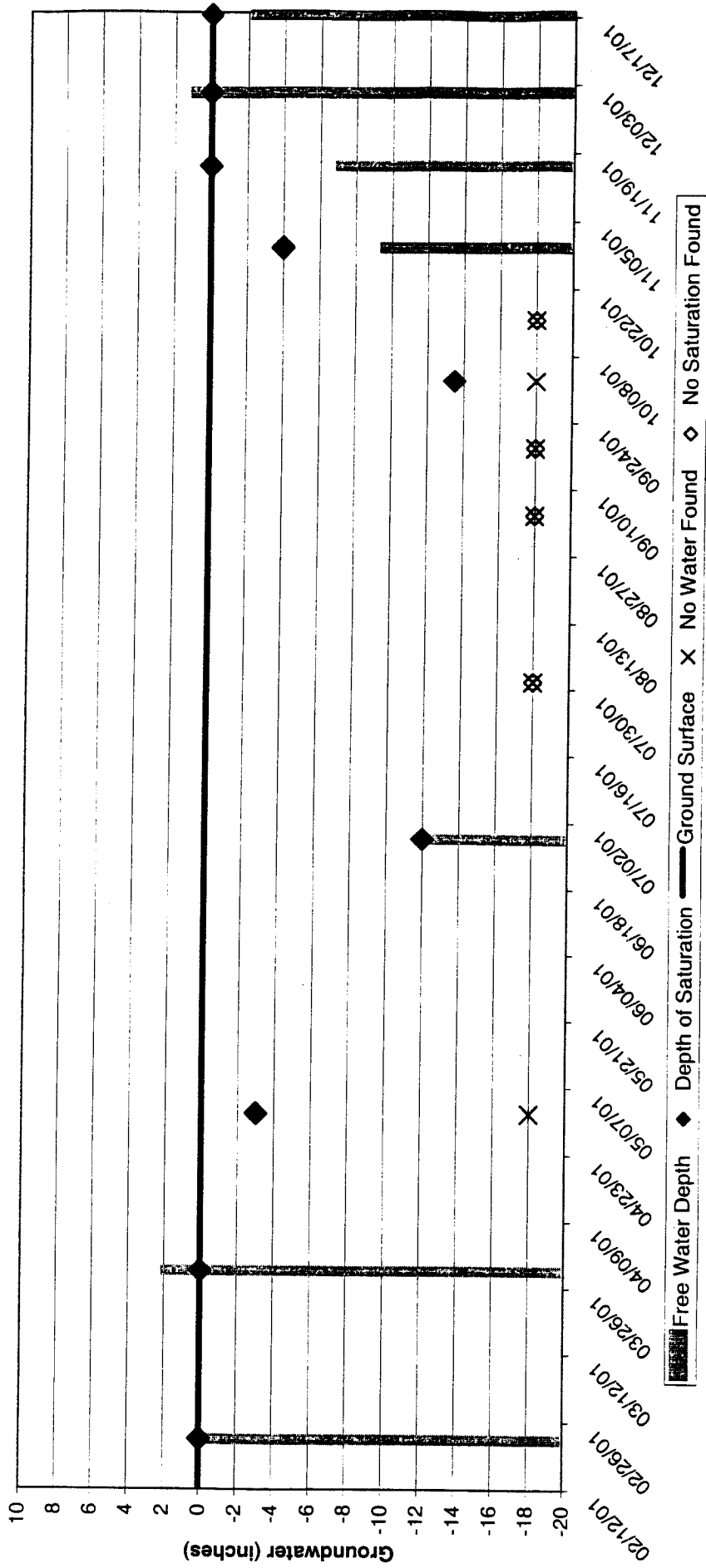


Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland 39, Well 39-1.

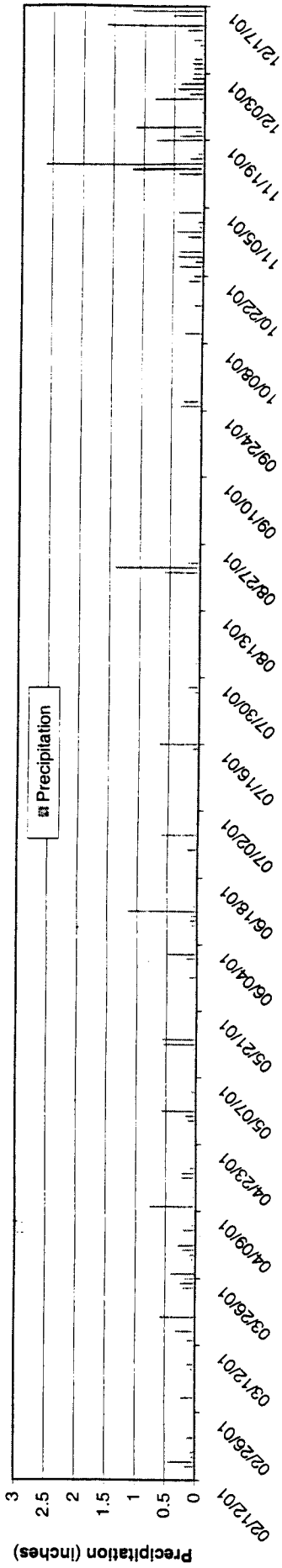
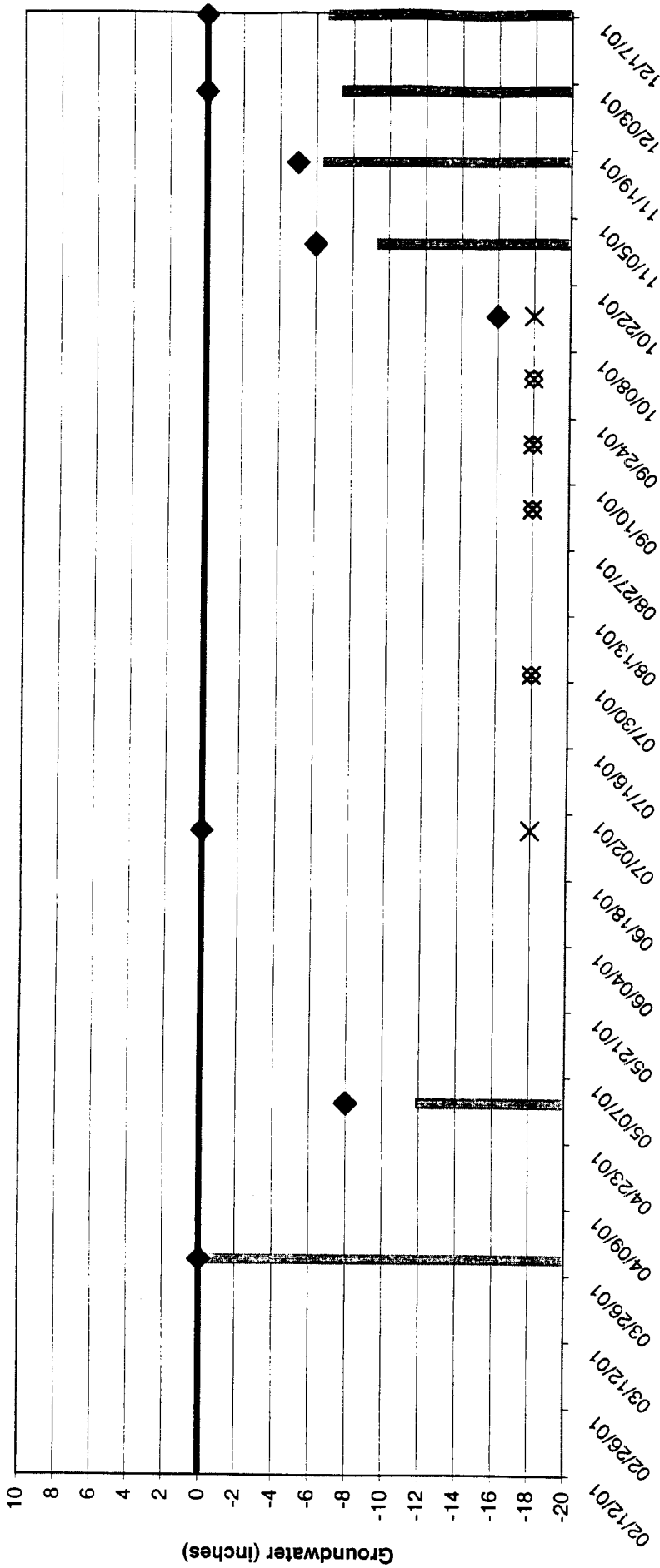


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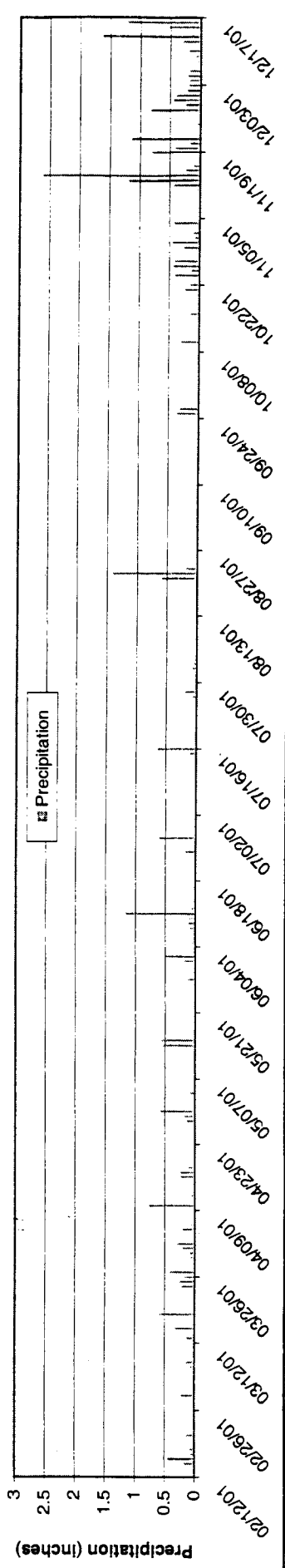
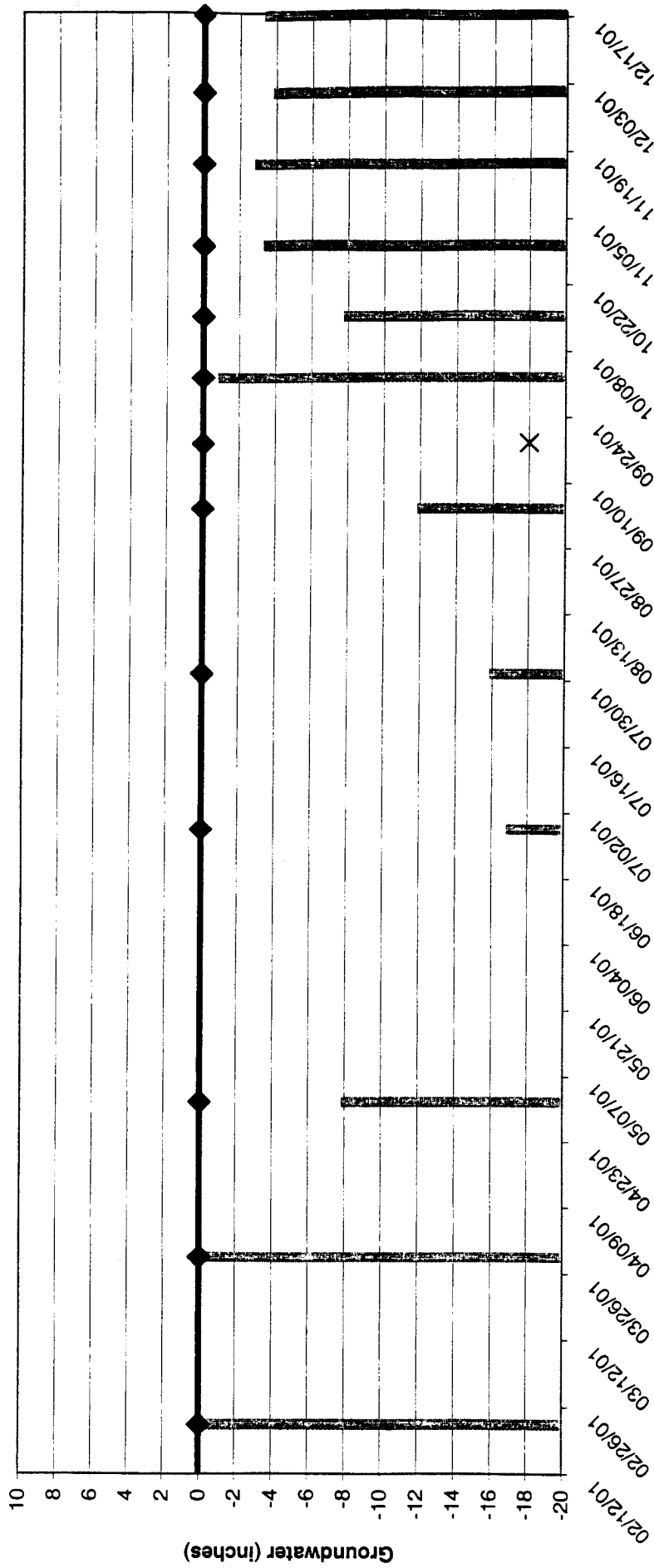
AR 031491



Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland 39, Well 39-3.

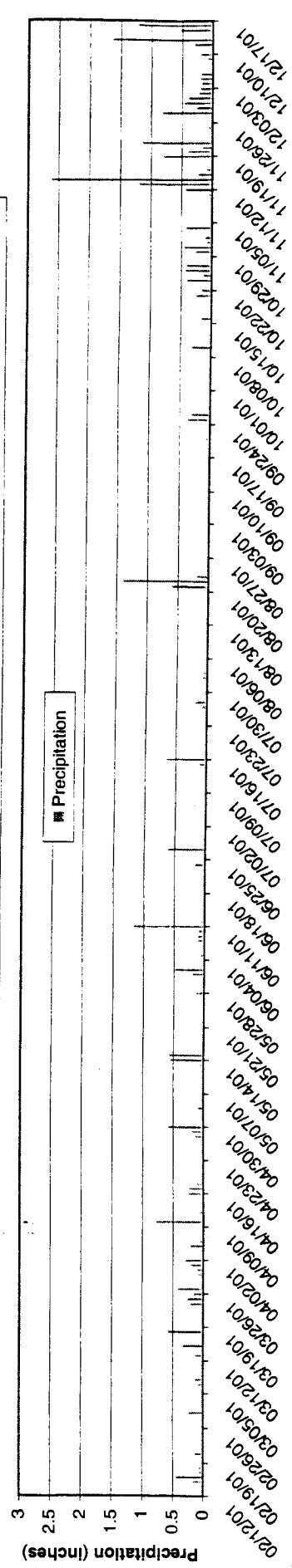
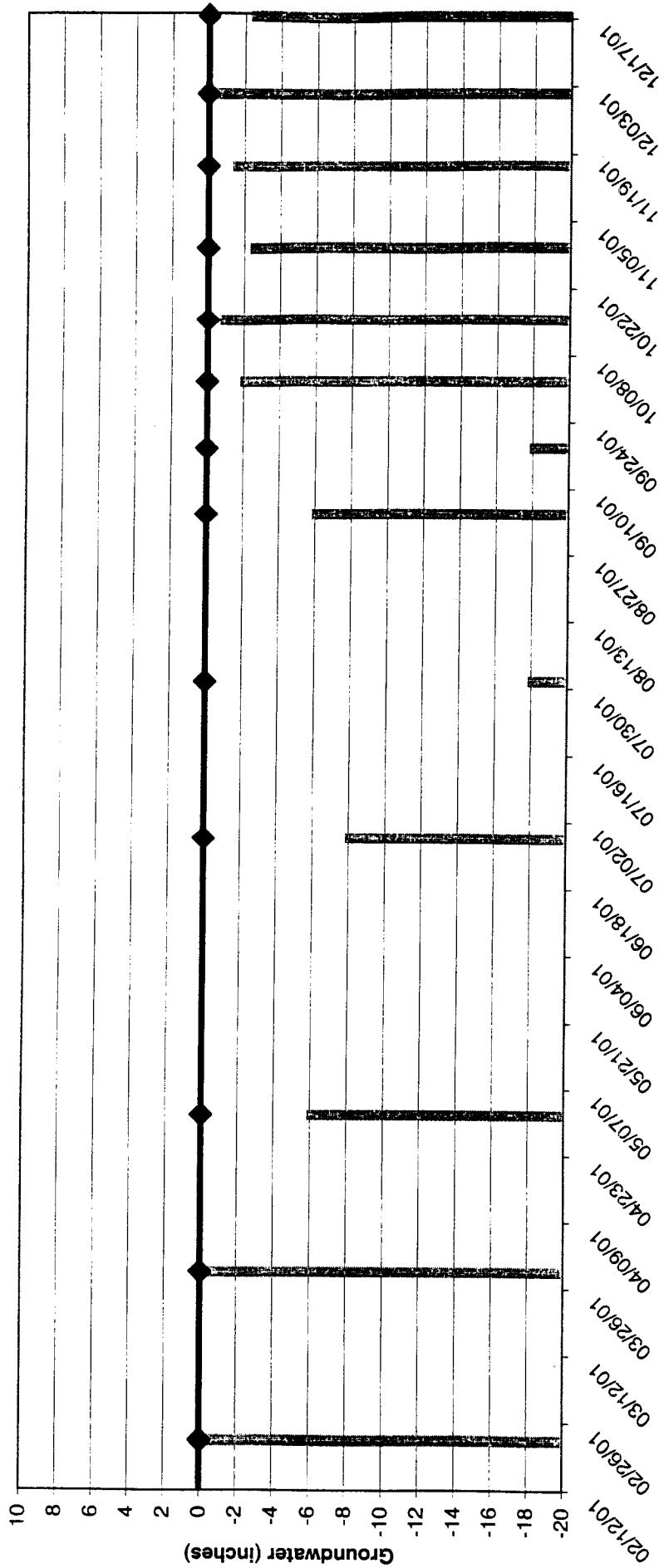


Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland 39, Well 39-4.



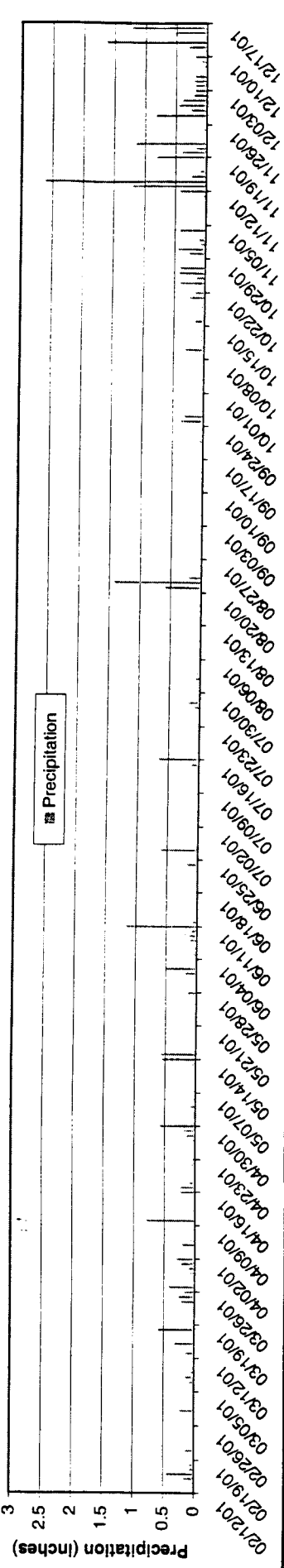
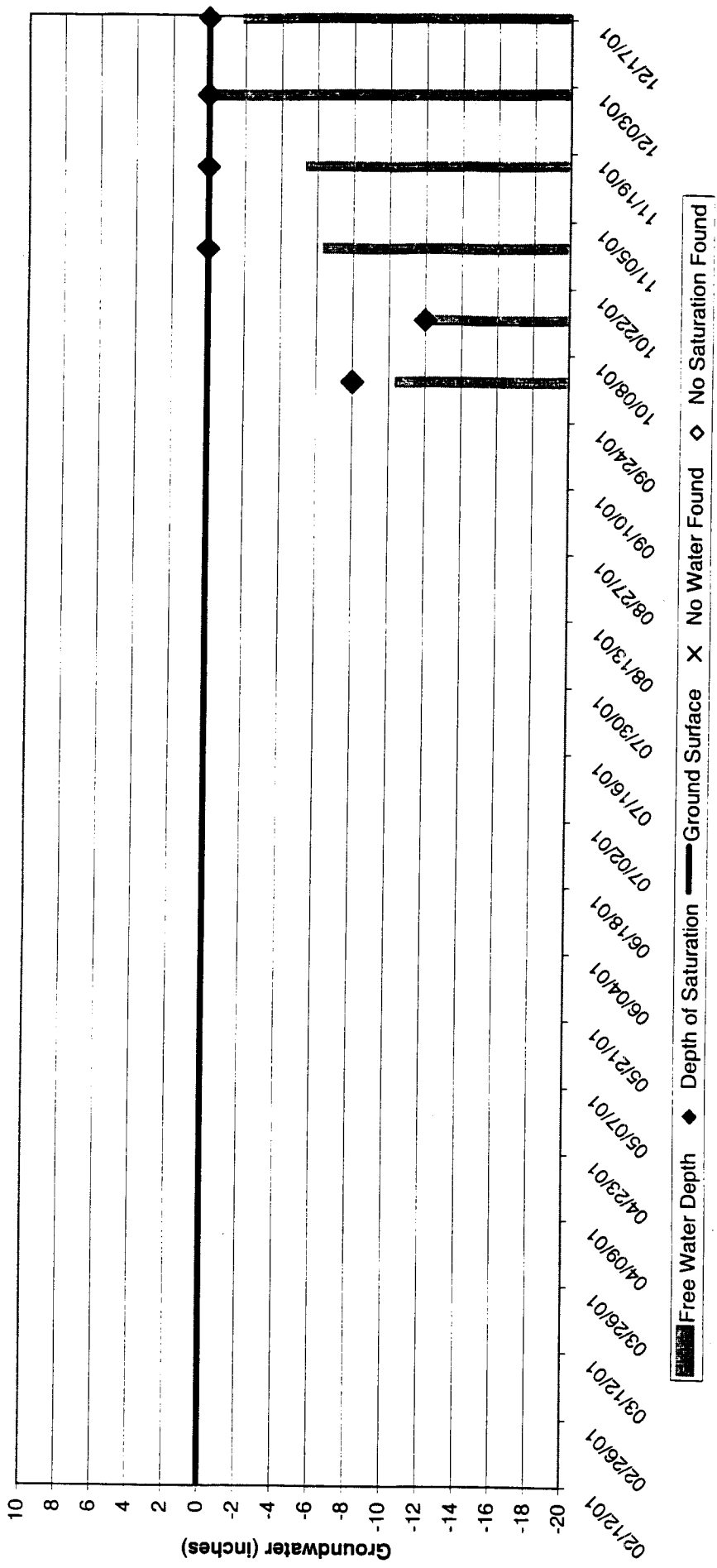
Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland 44, Well 44-1.

AR 031494



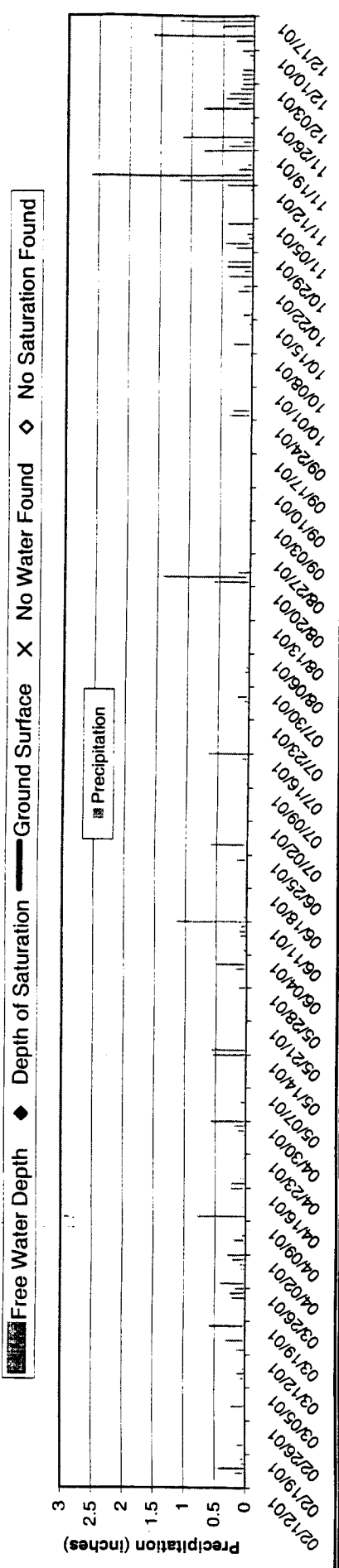
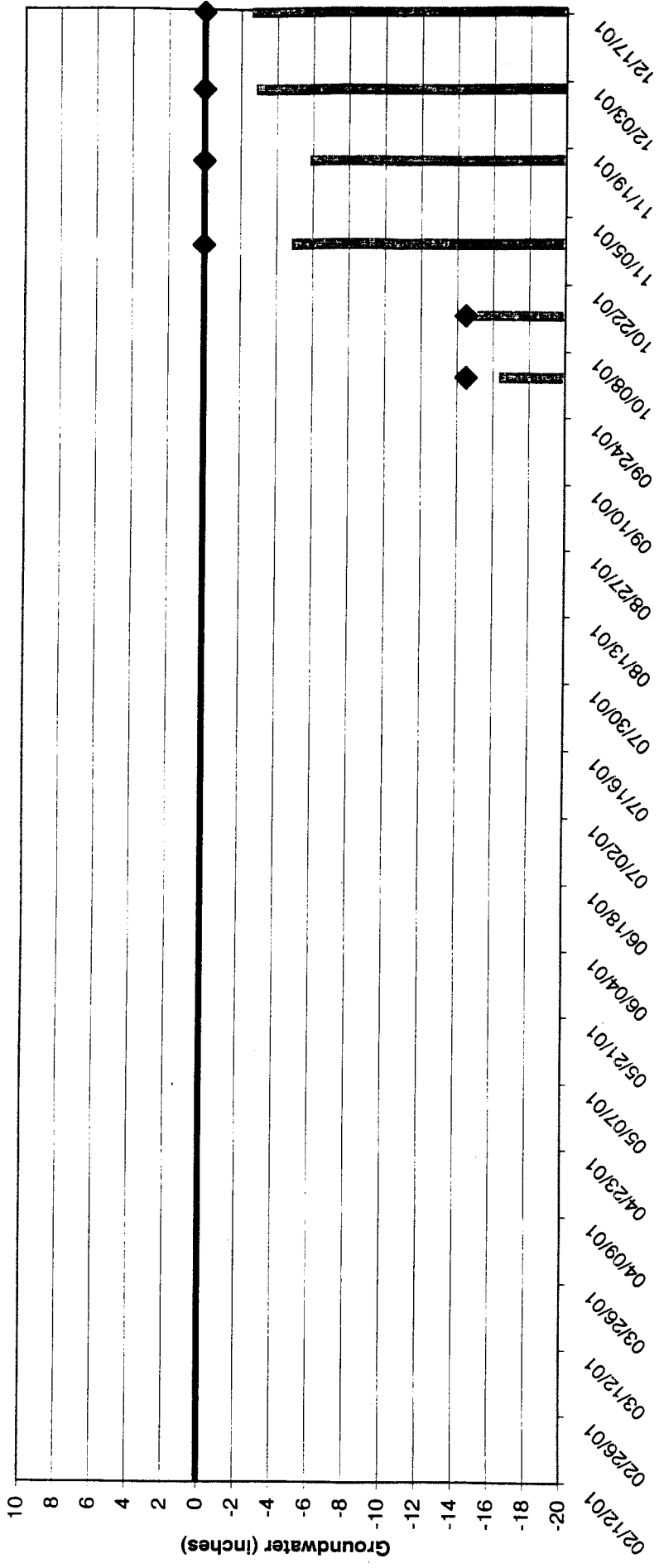
Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland 44, Well 44-2.

AR 031495



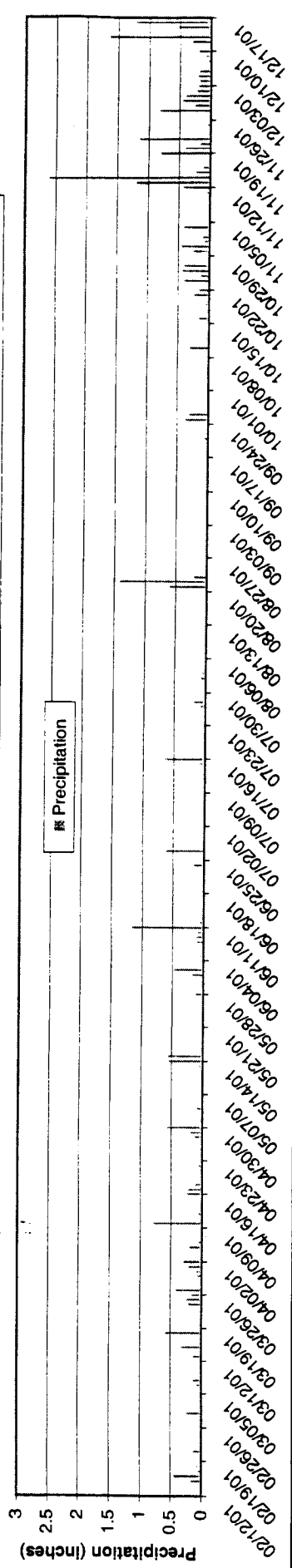
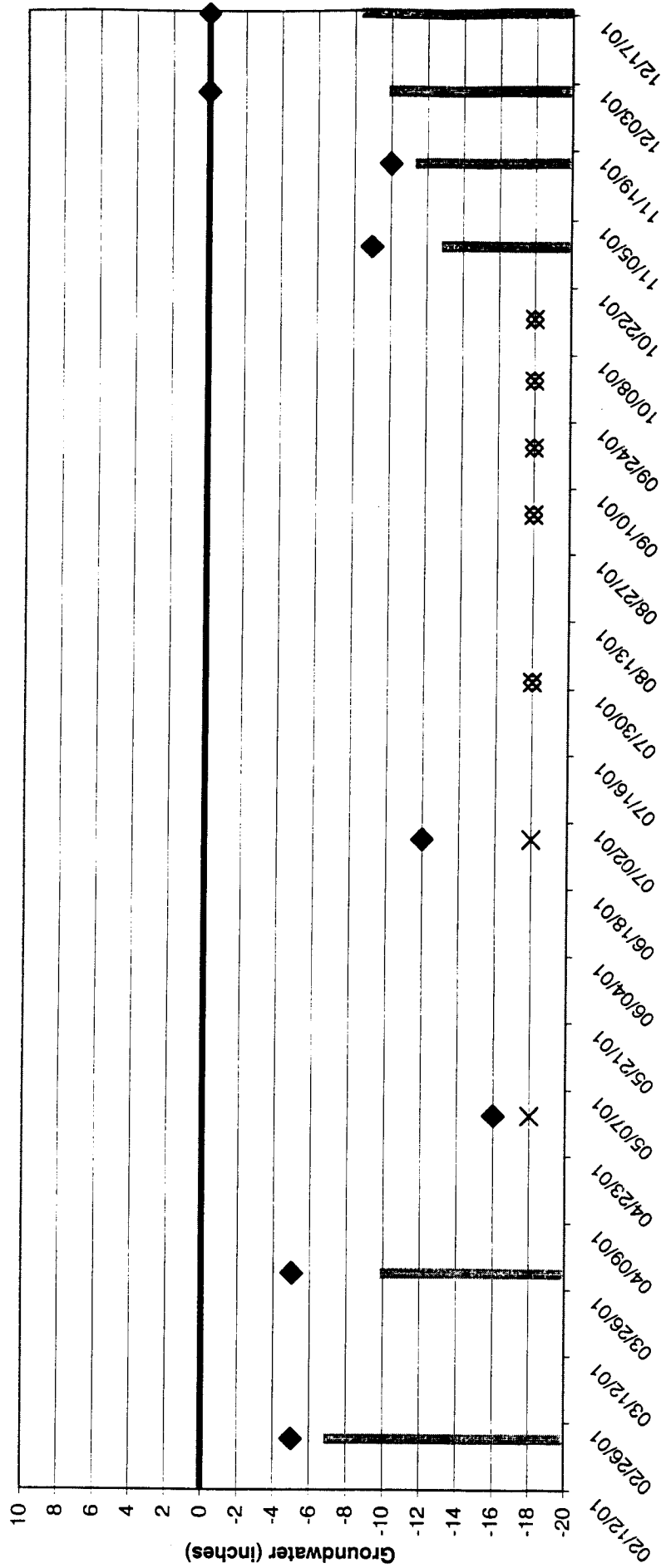
Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland A1, Well A1-1.

AR 031496



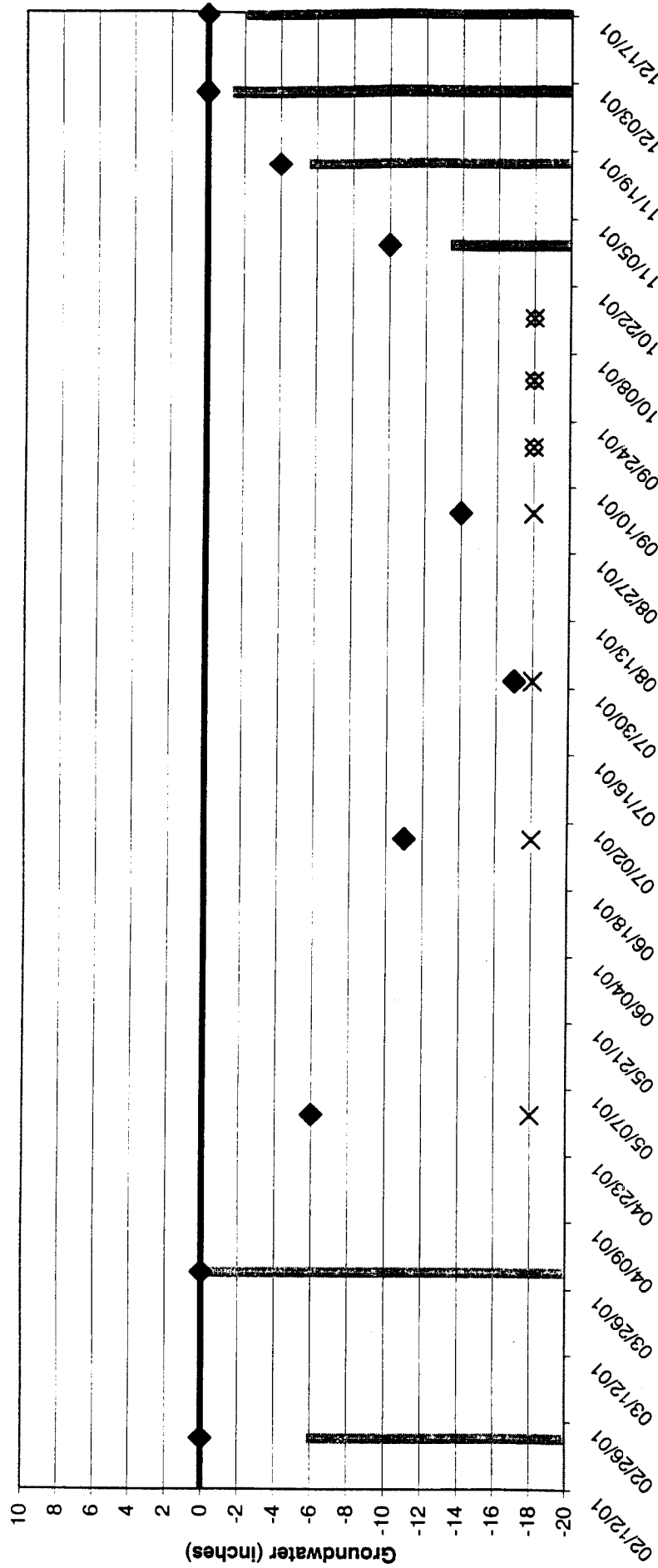
Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland A1, Well A1-2.

AR 031497

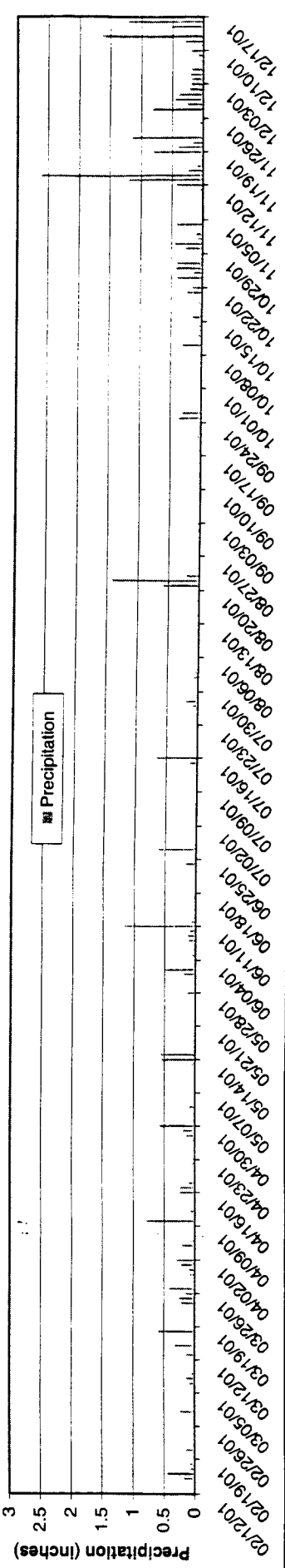


Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland A-9, Well A-9.

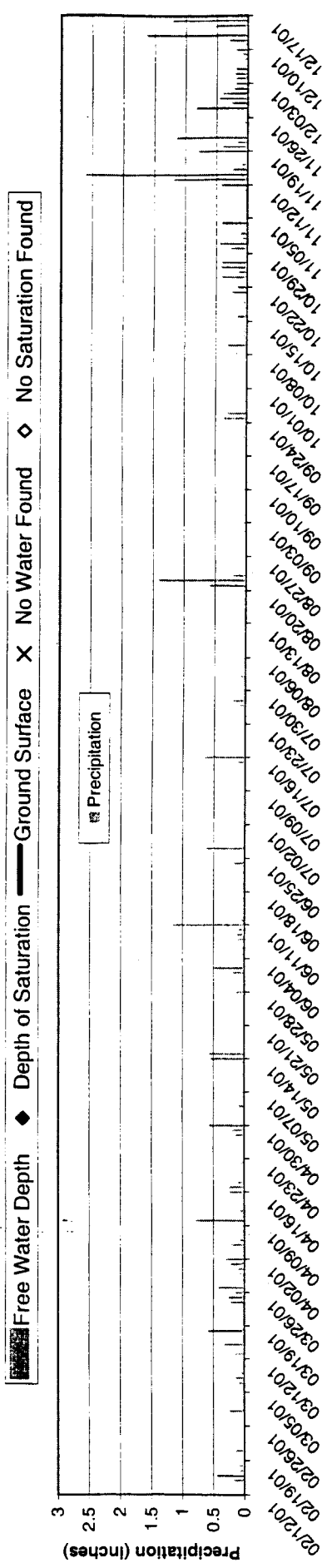
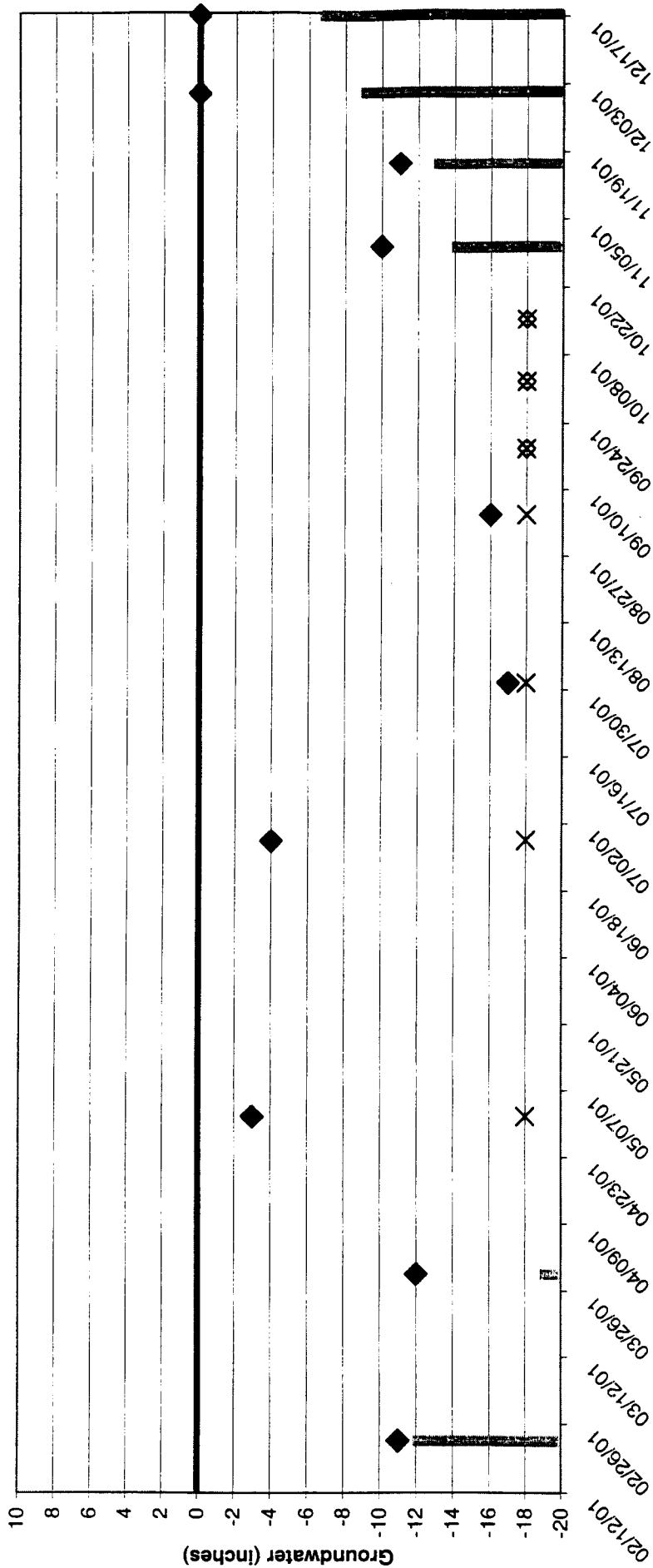
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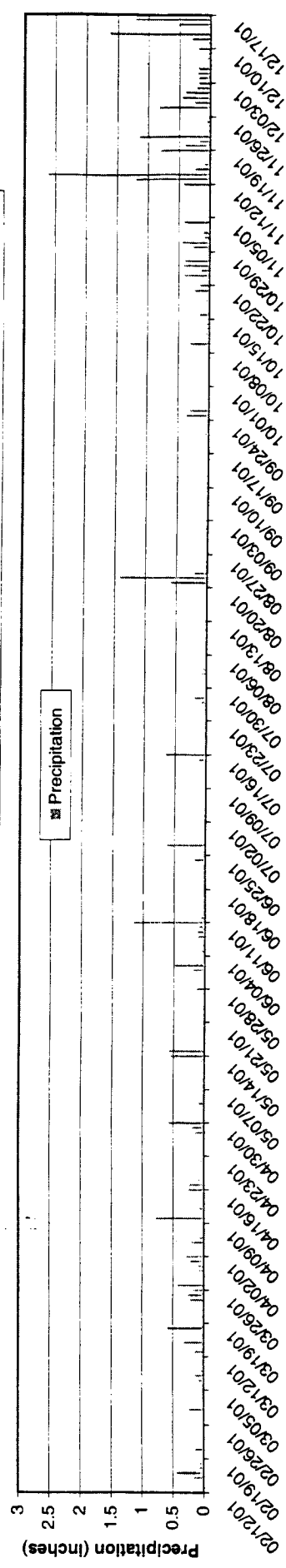
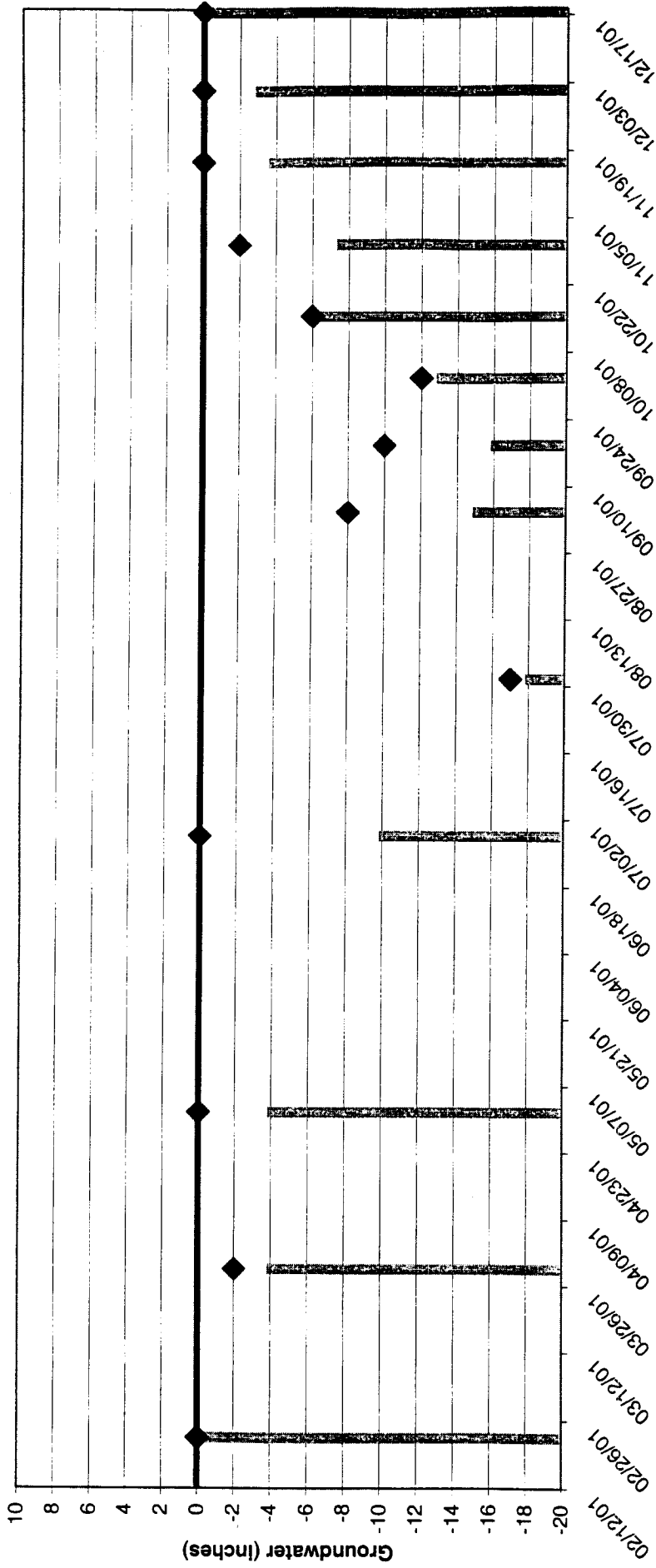
Free Water Depth ◆ Depth of Saturation — Ground Surface × No Water Found ◇ No Saturation Found



Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland A-10, Well A-10.

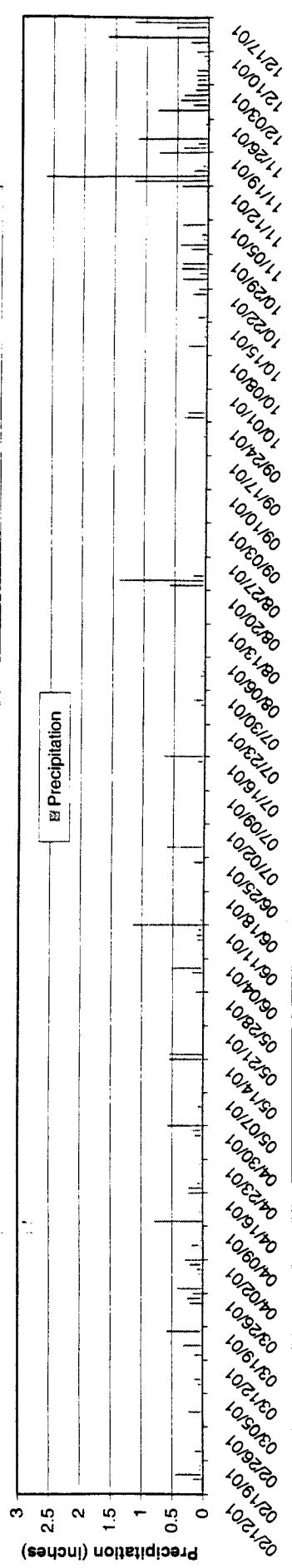
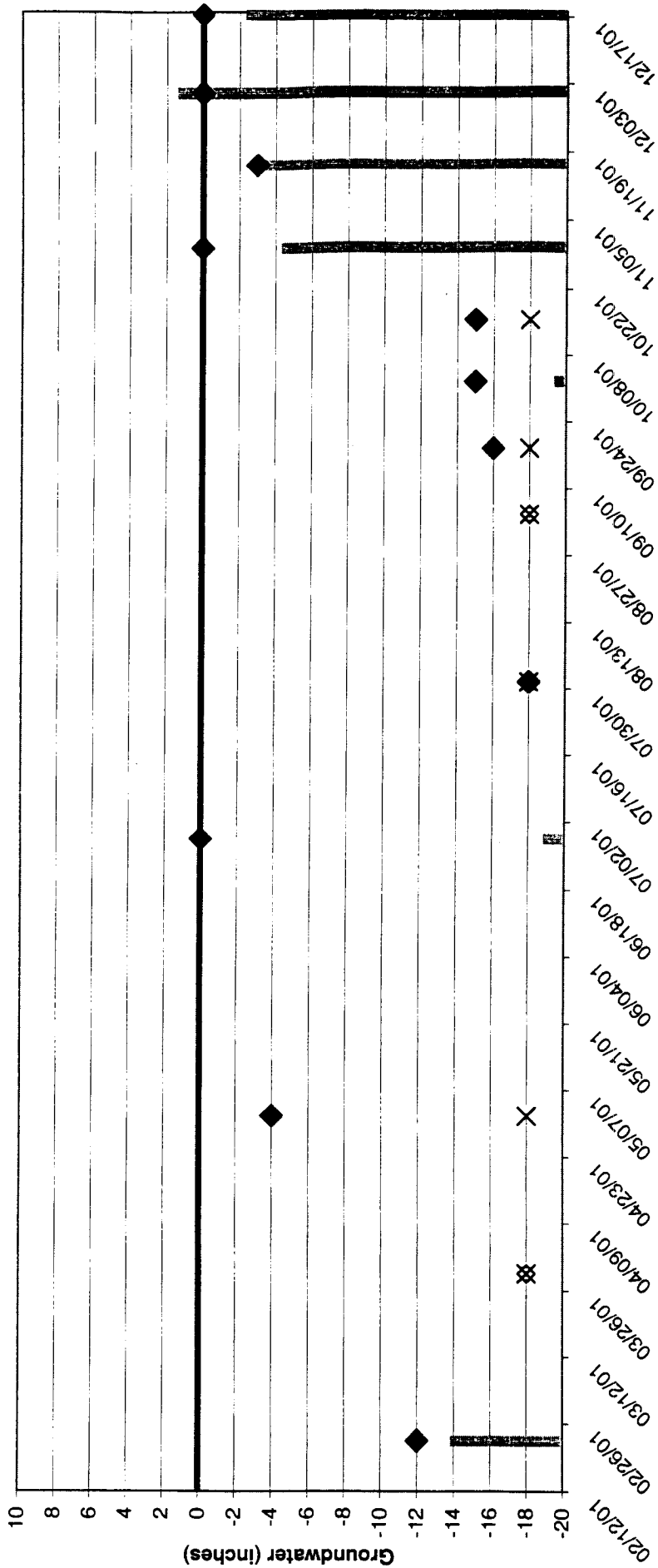


Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland A-11, Well A-11.



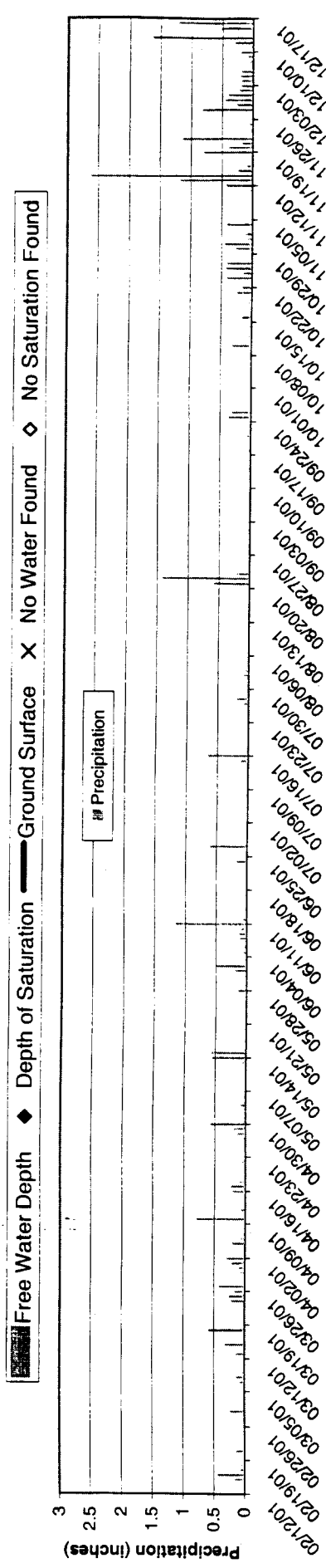
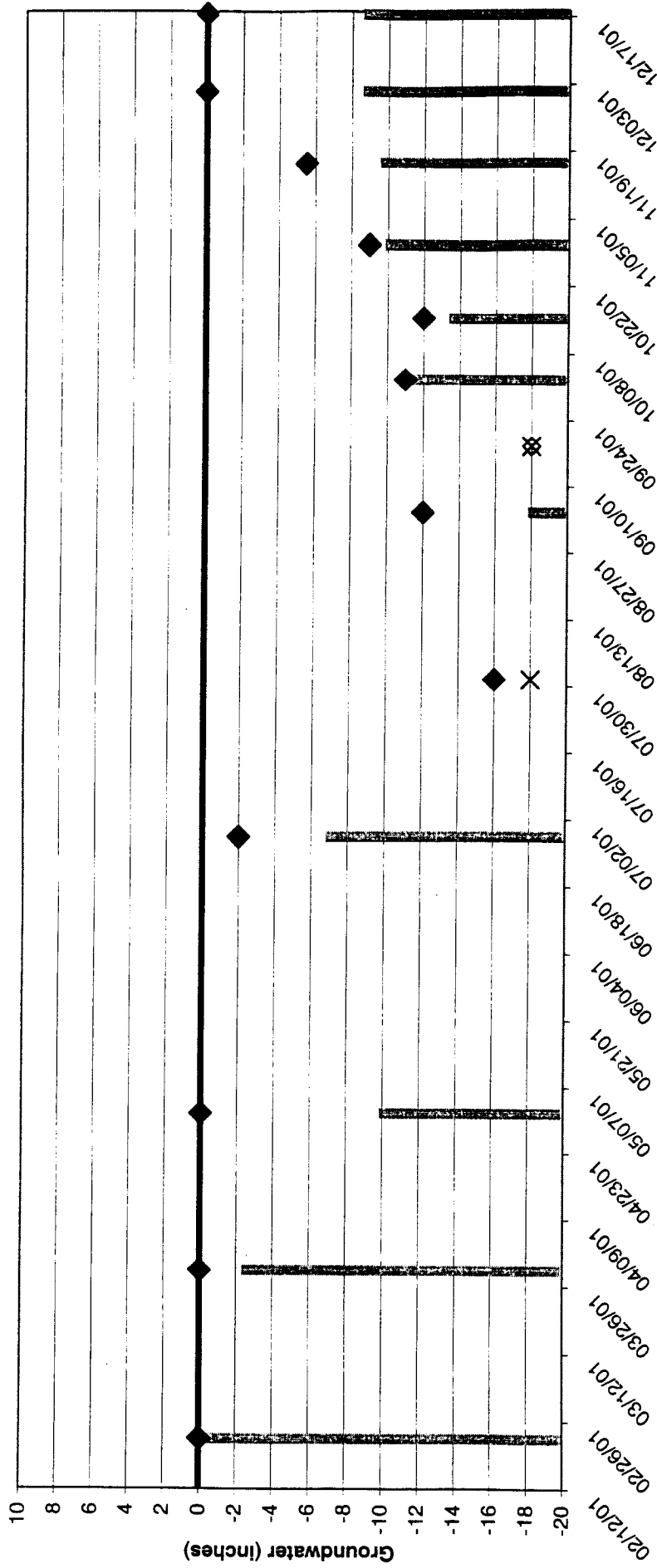
Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland A-12, Well A-12.

AR 031501



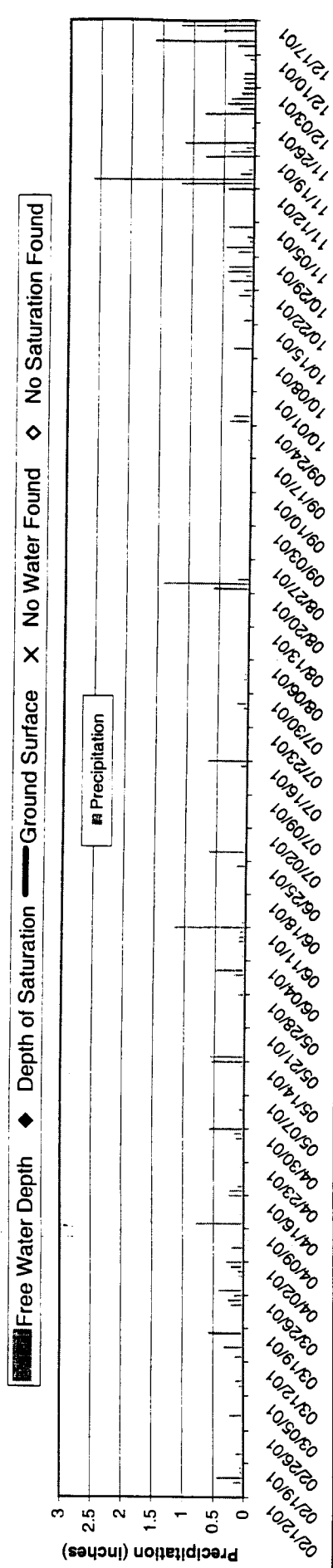
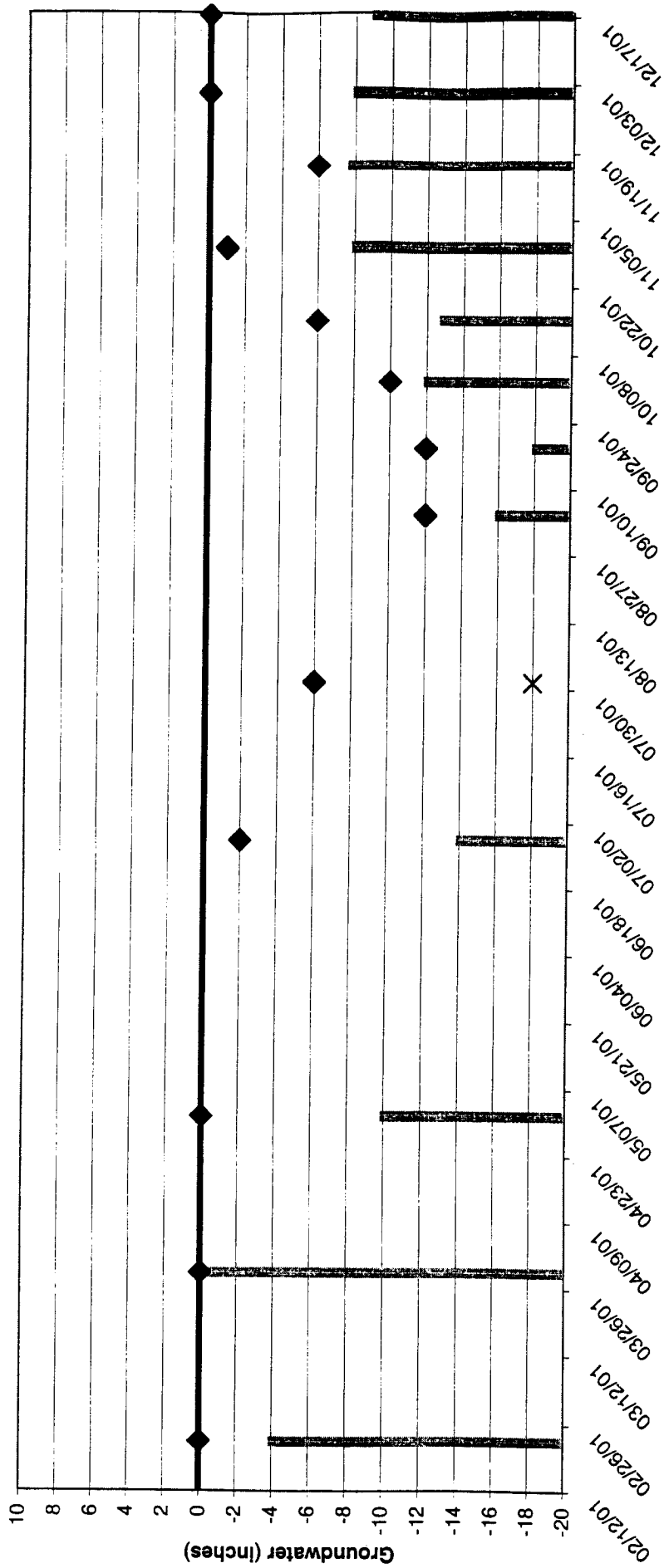
Preconstruction Hydrologic Measurement of
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 Conditions at Wetland A-13, Well A-13.

AR 031502



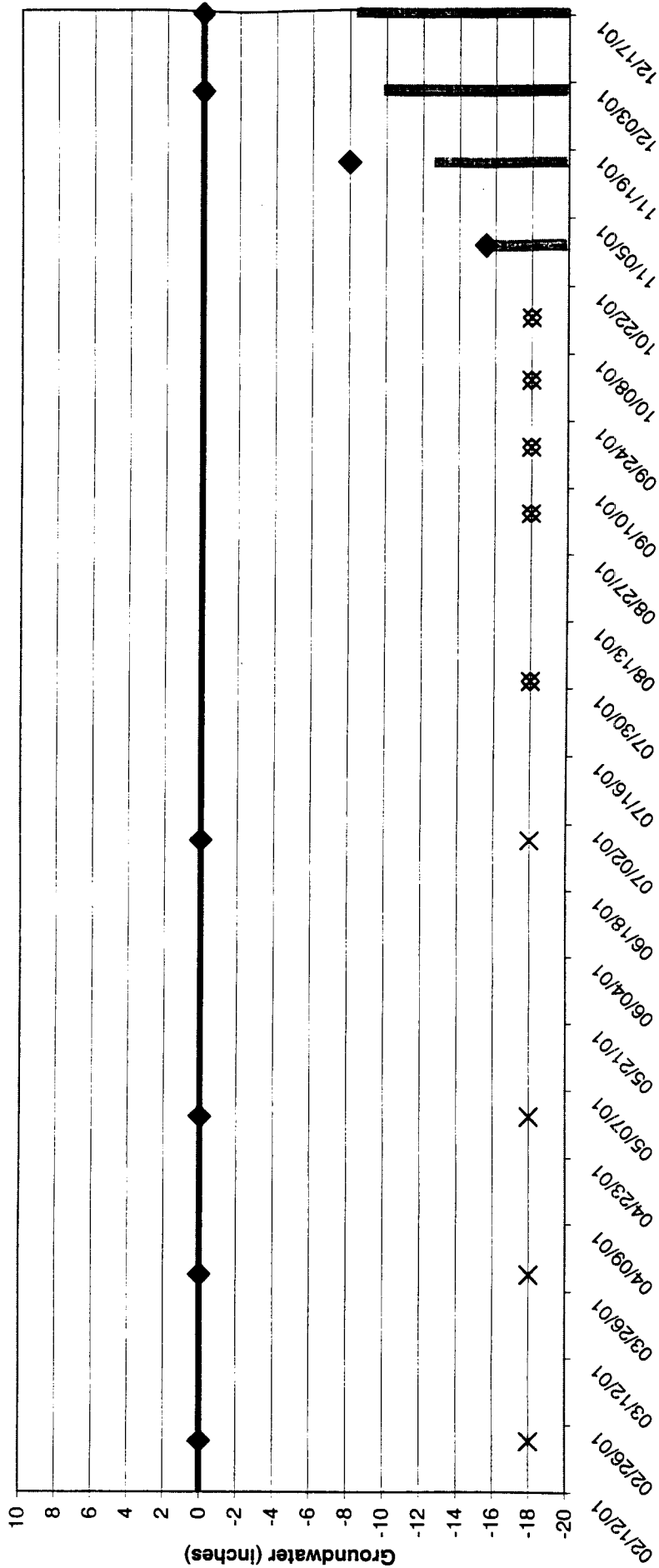
Preconstruction Hydrologic Measurement of
Groundwater, Saturated Soil, and Daily Precipitation
Conditions at Wetland A-14a, Well A-14a.

AR 031503

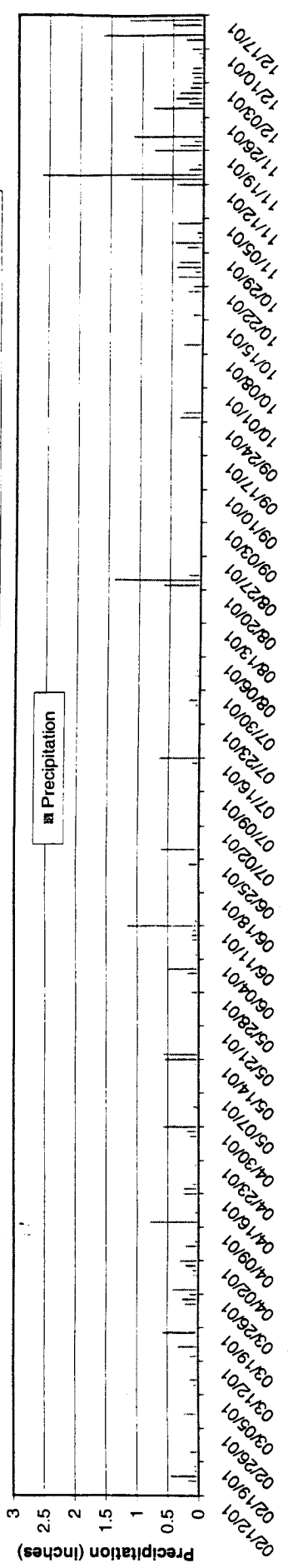


Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland A-14b, Well A-14b.

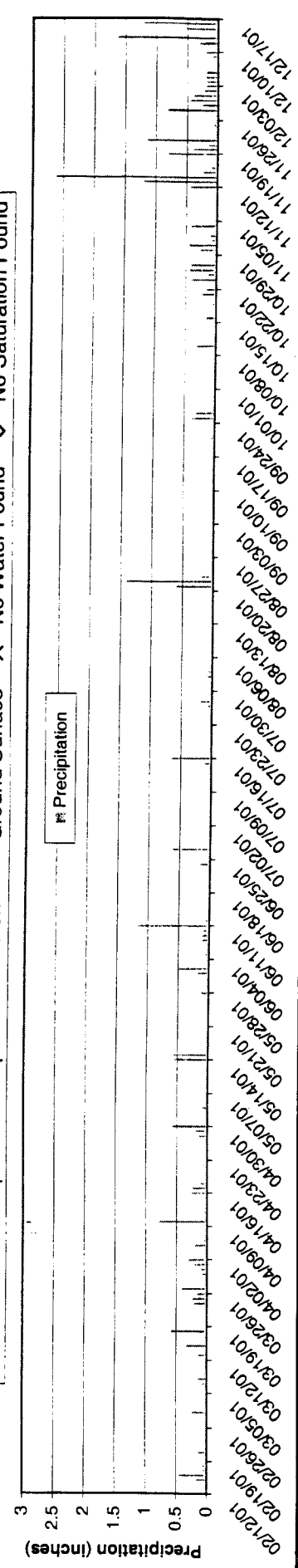
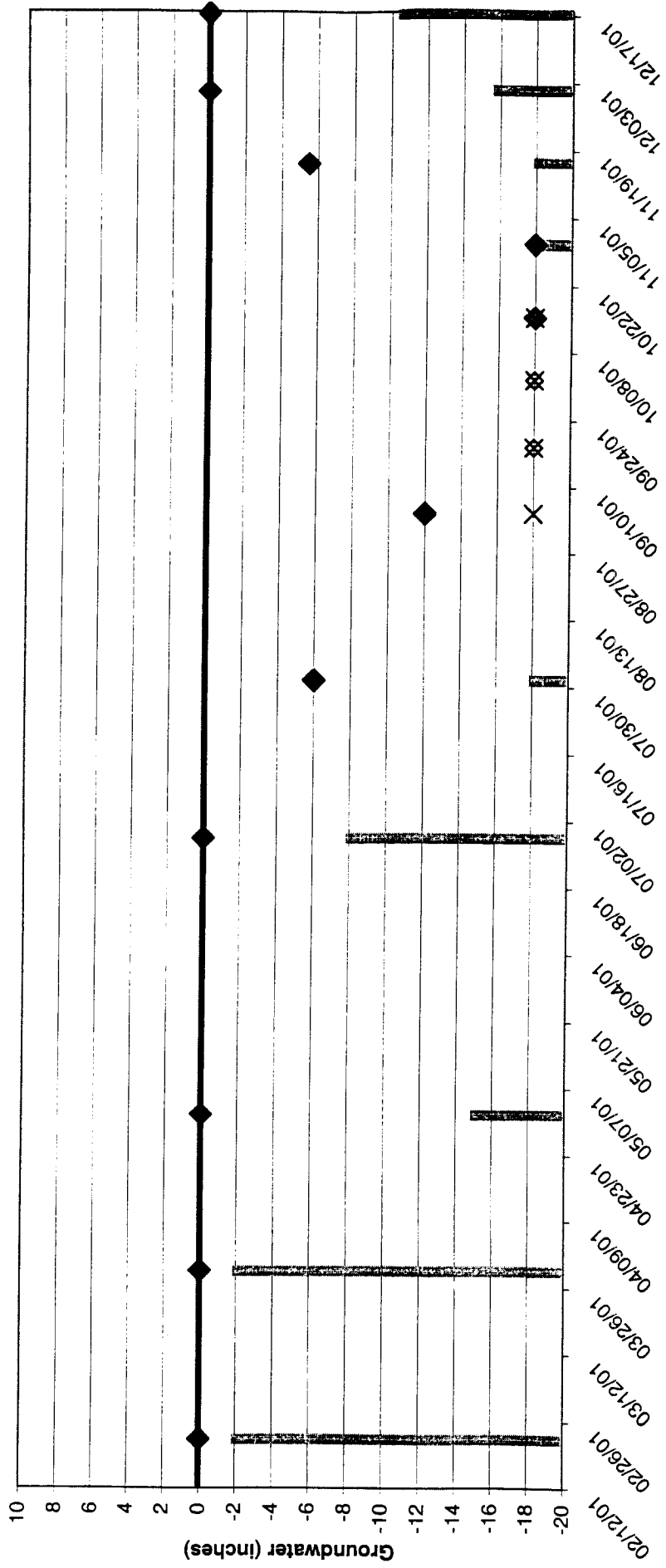
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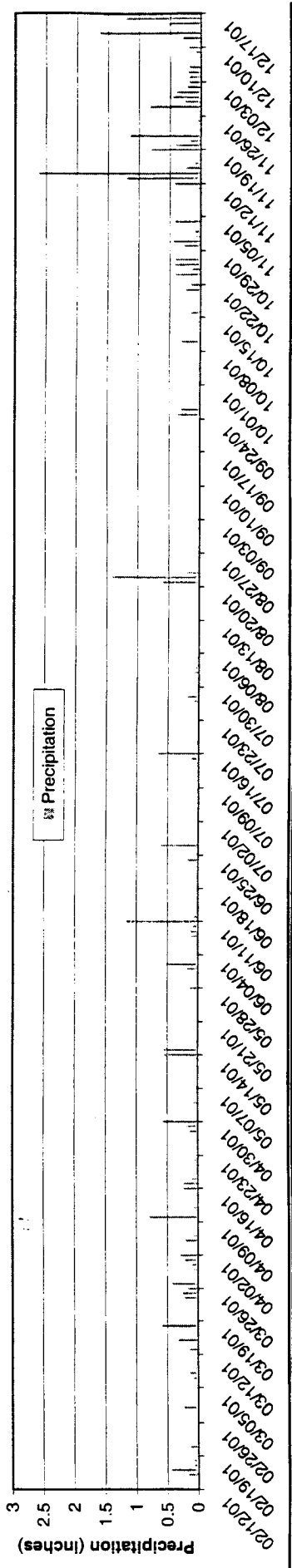
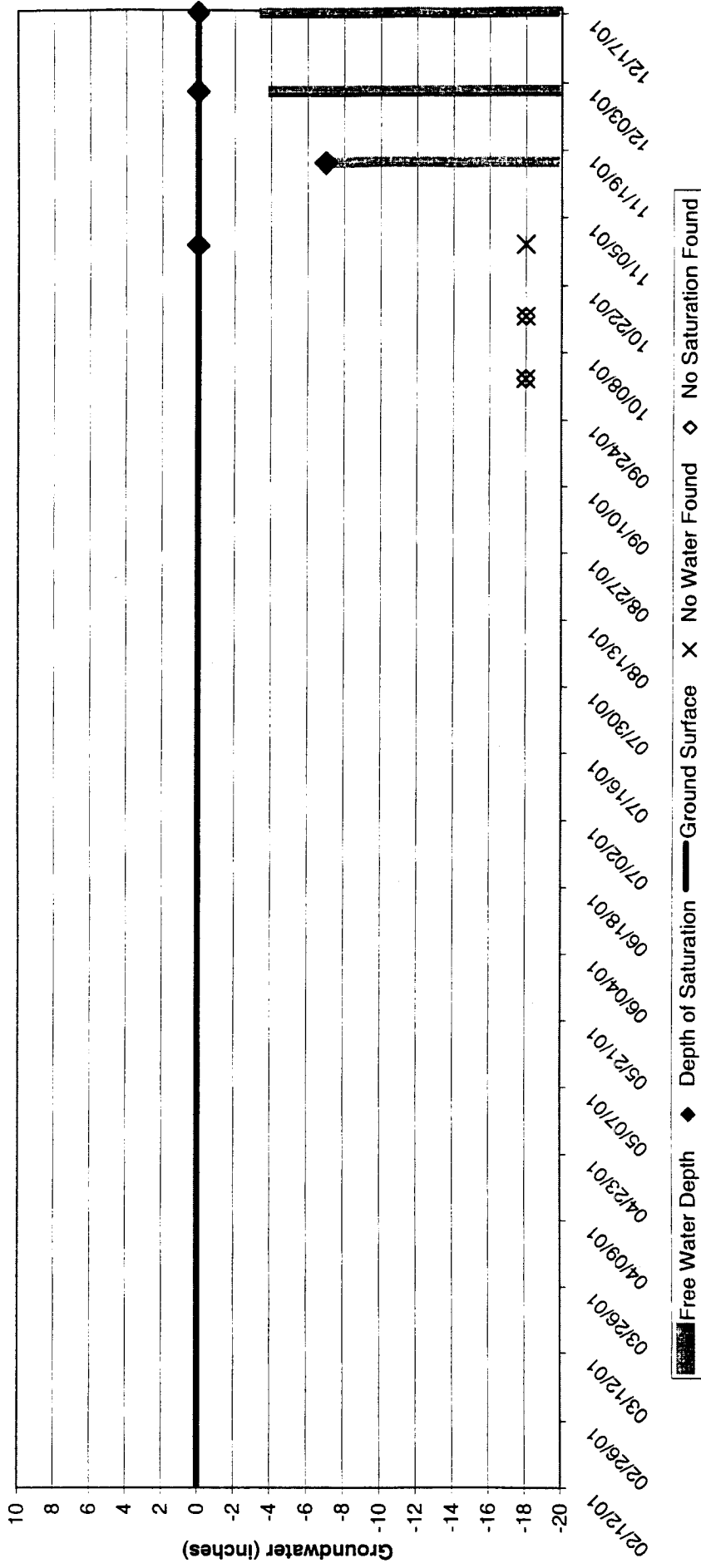
Free Water Depth
 Depth of Saturation
 Ground Surface
 No Water Found
 No Saturation Found



Reconstruction Hydrologic Measurement of
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 Conditions at Wetland A-15, Well A-15.

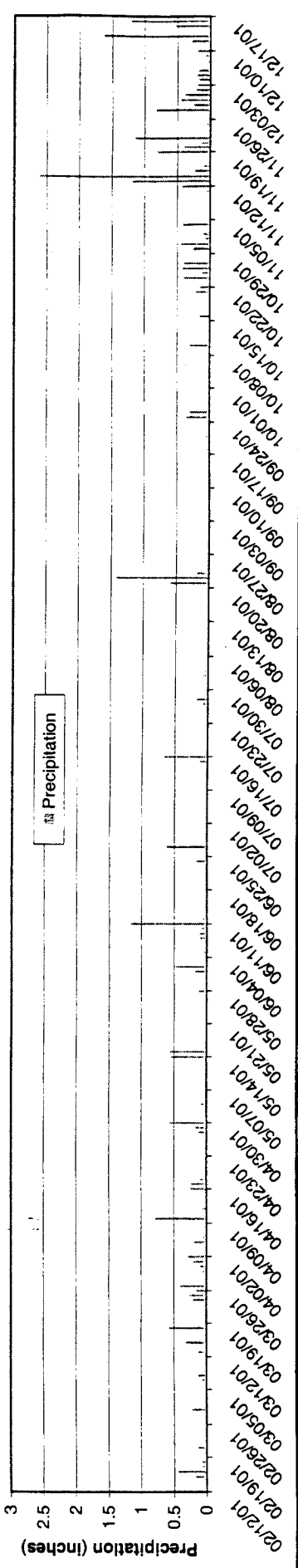
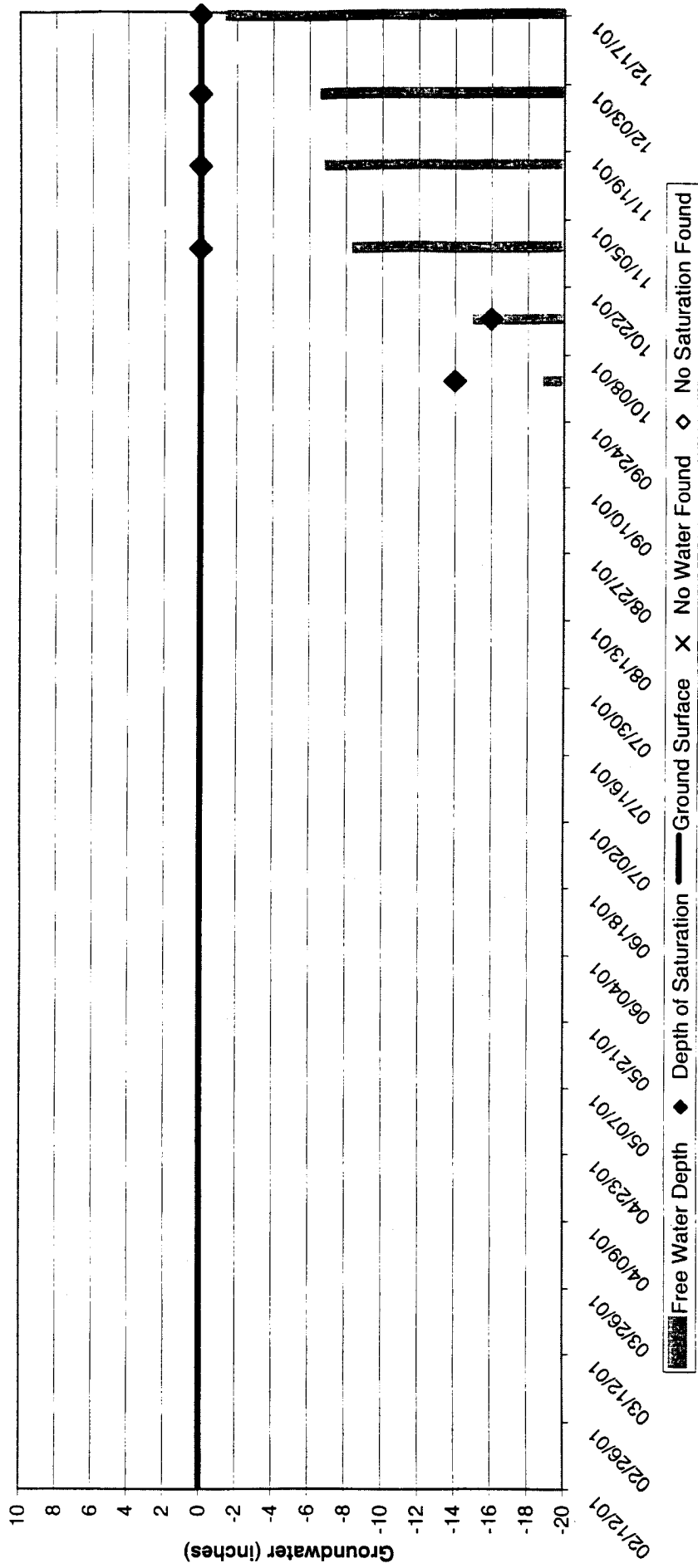


Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland A-16, Well A-16.

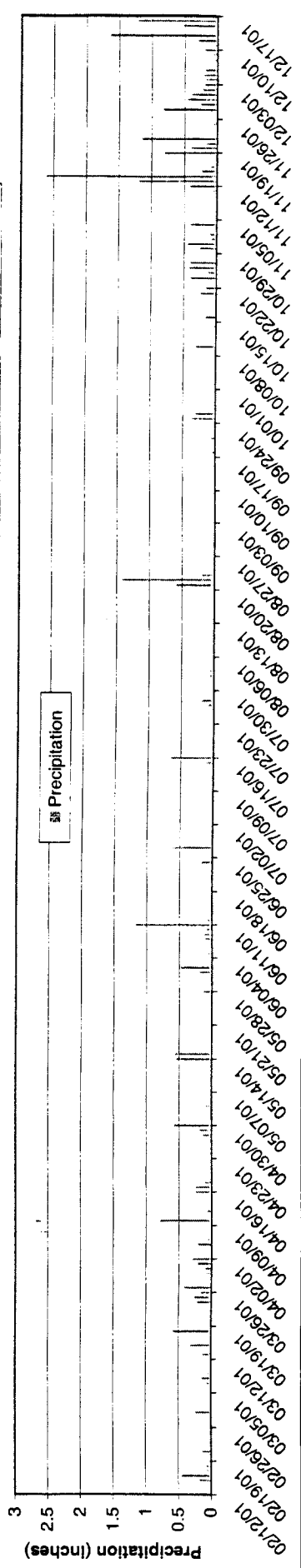
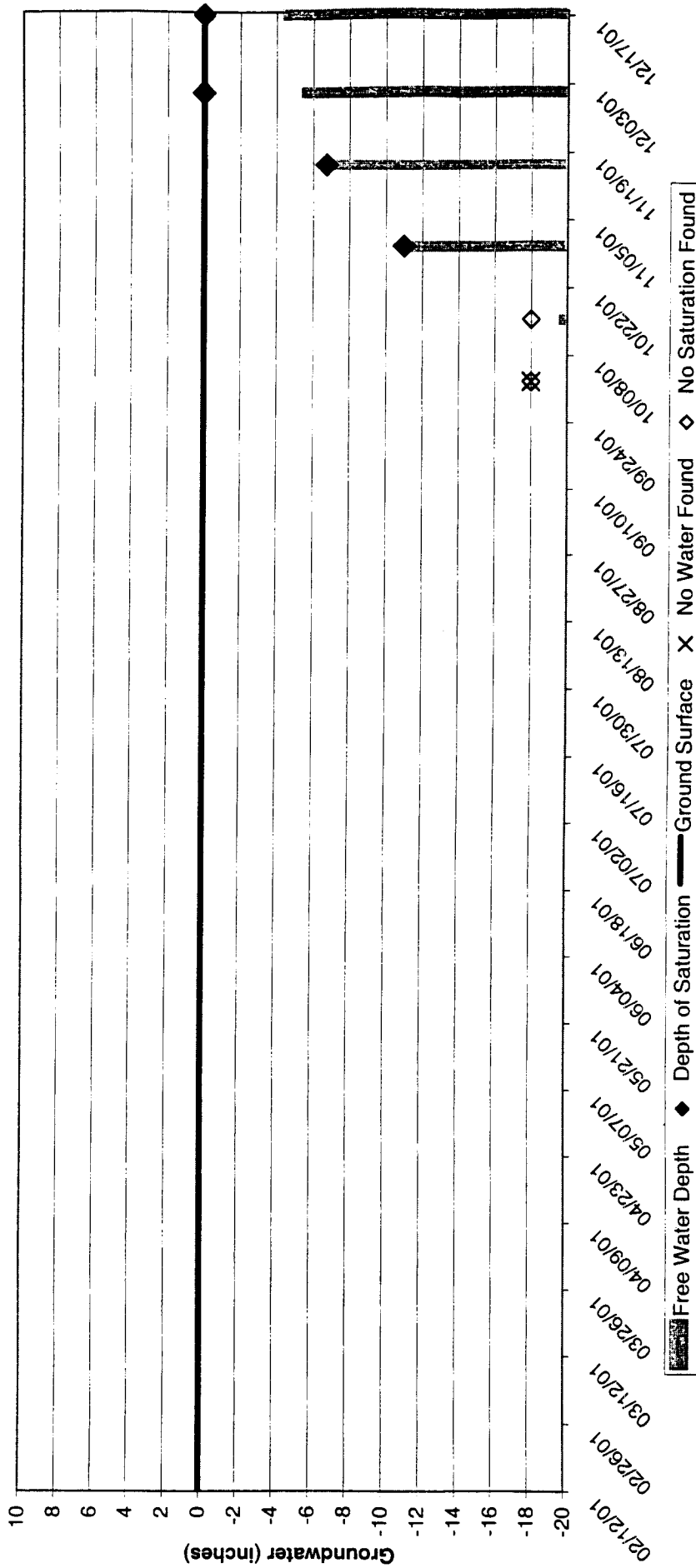


Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland A17, Well A17-A.

AR 031507

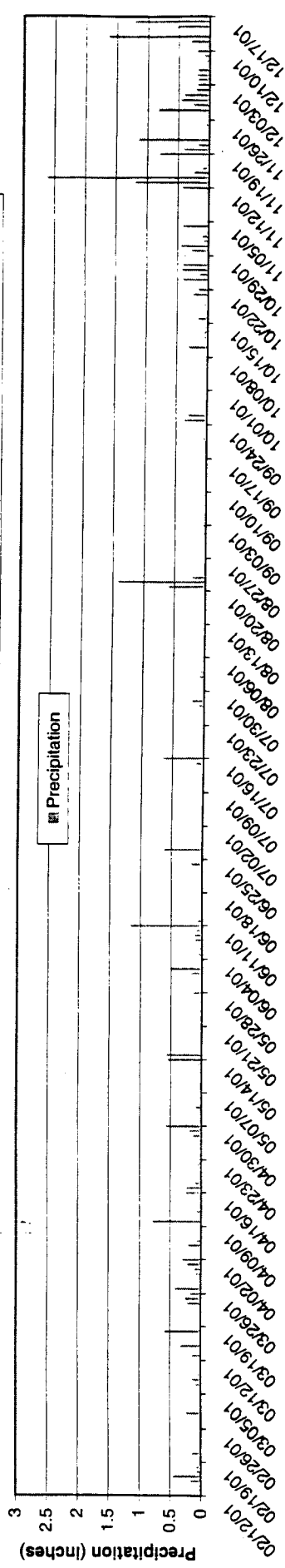
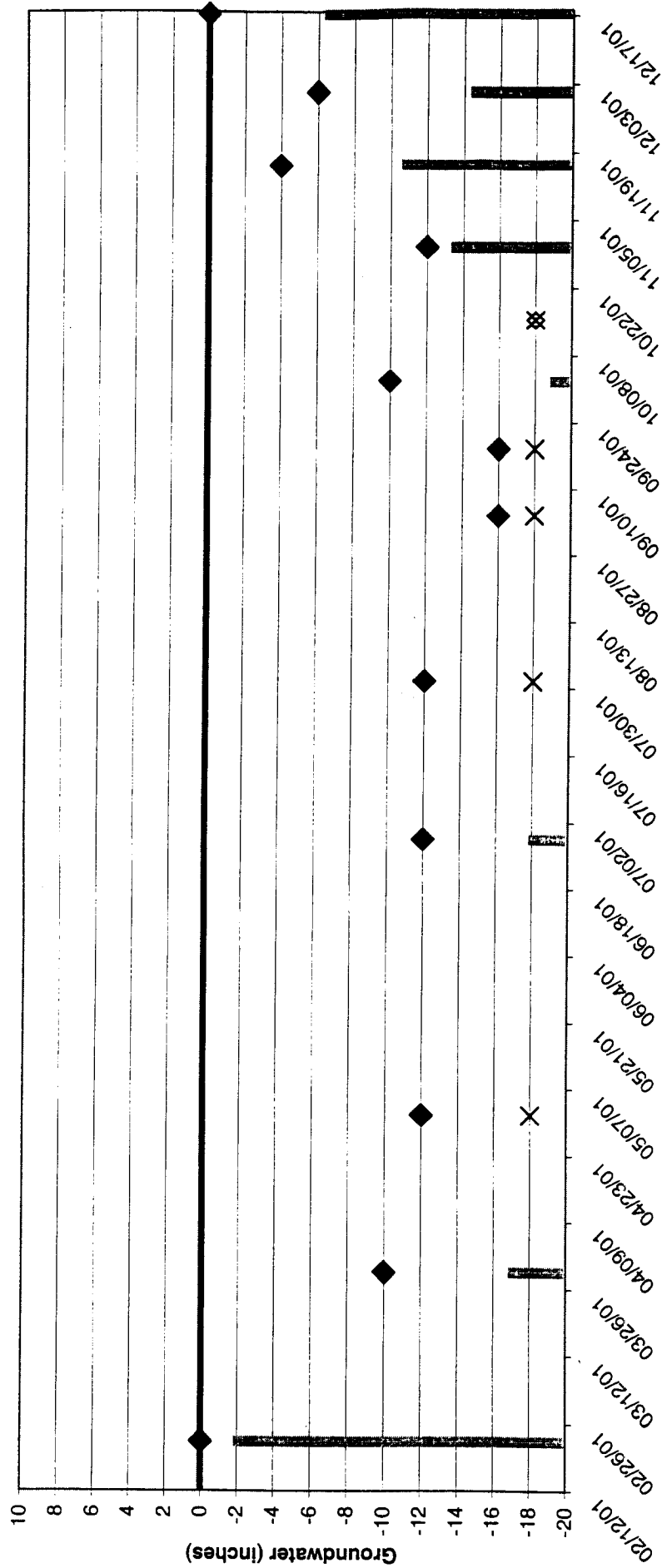


Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland A17, Well A17-C.



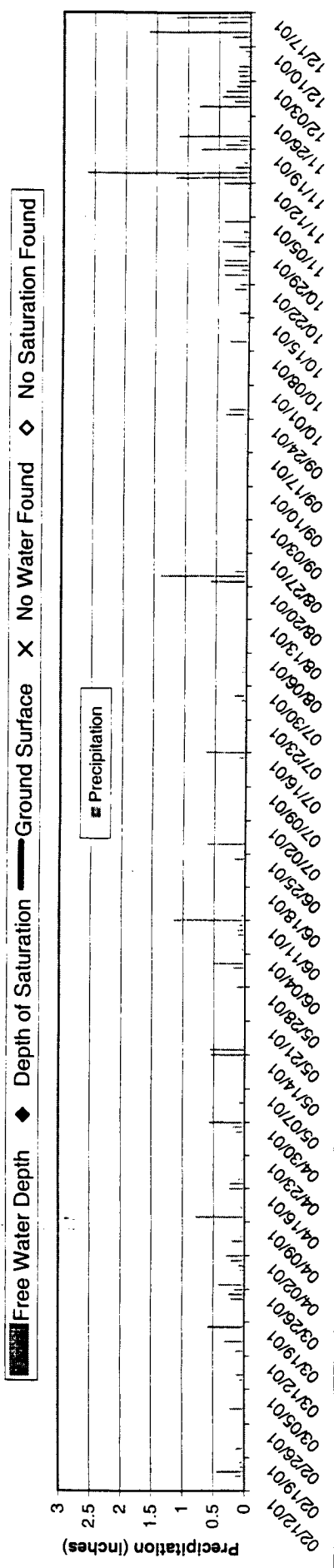
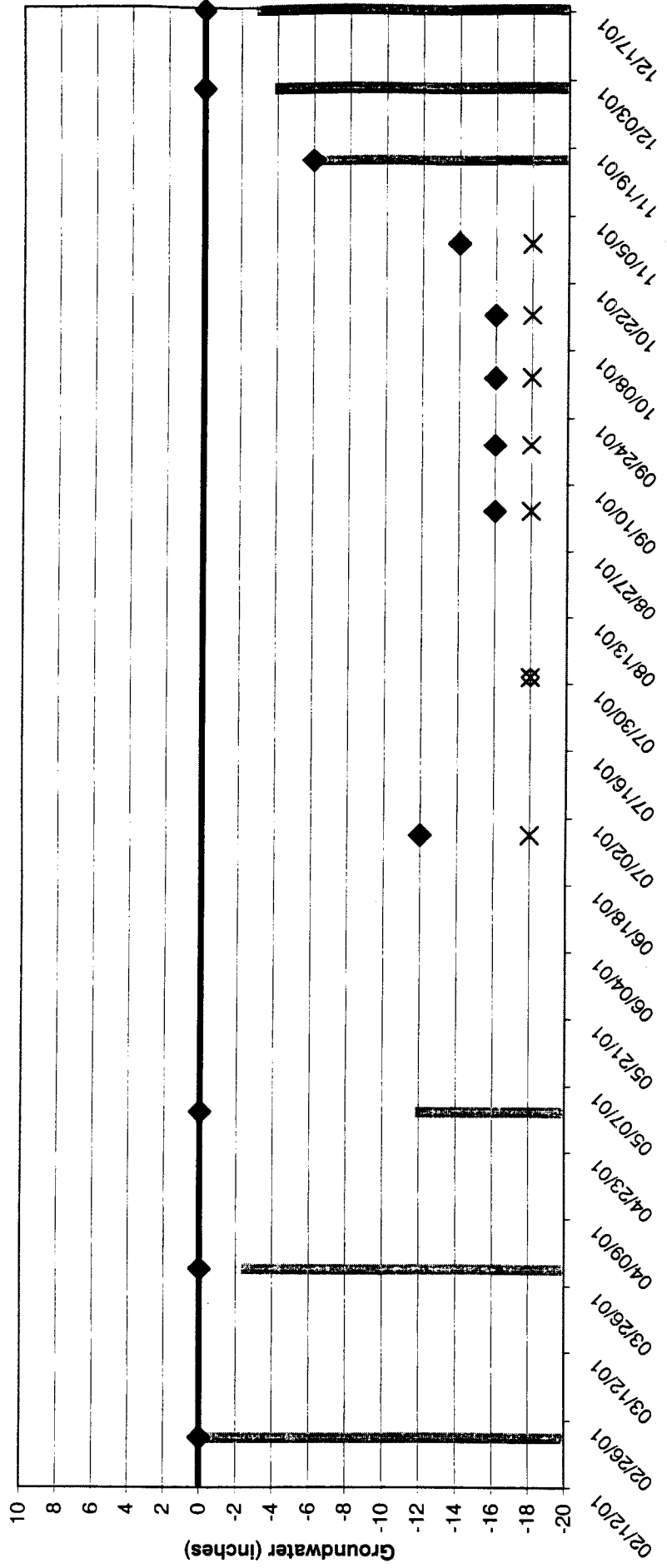
Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland A17, Well A17-D.

AR 031509

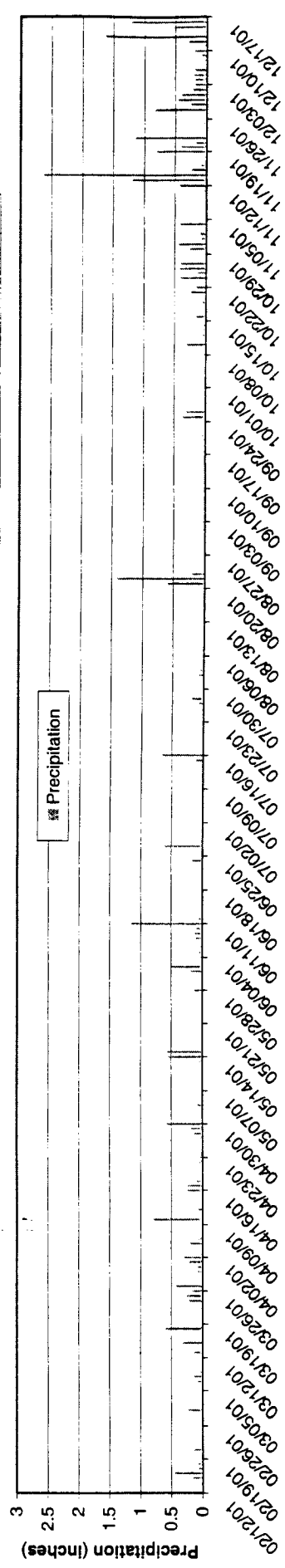
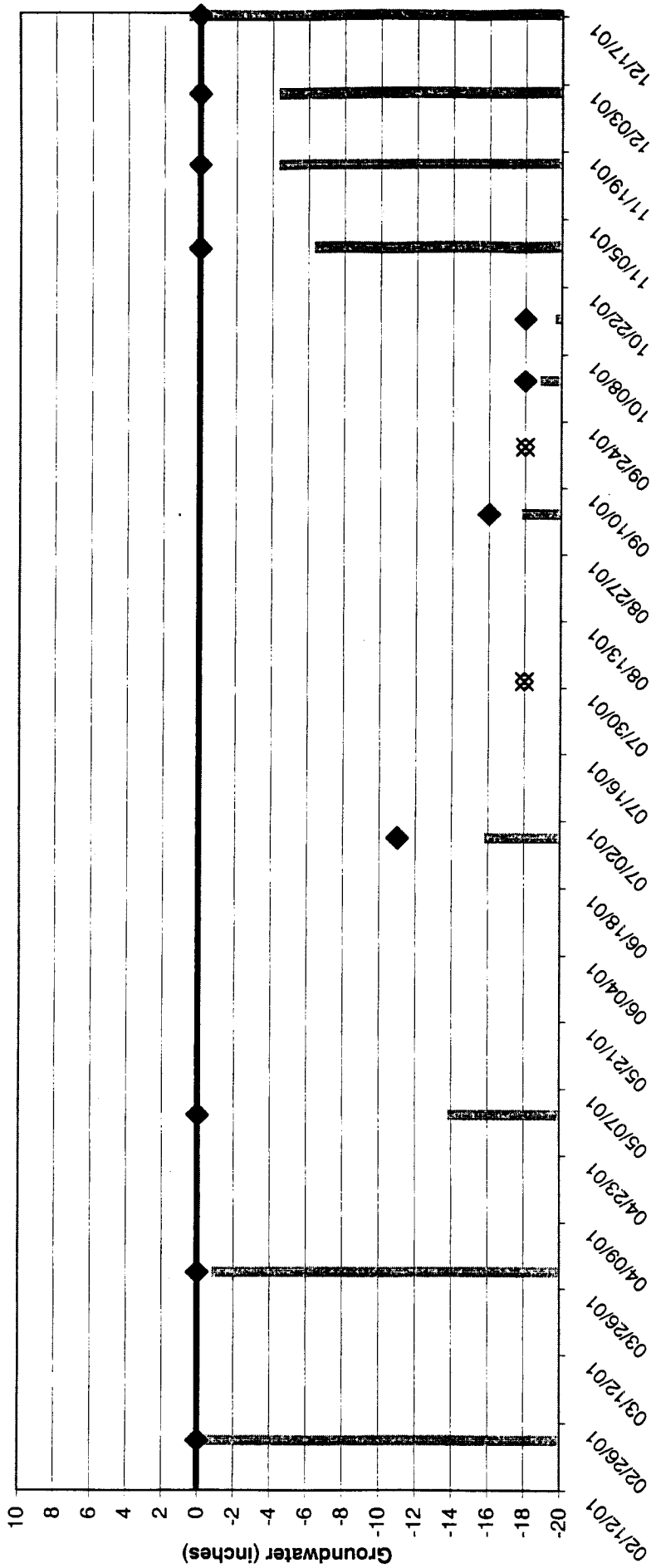


Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland R1, Well R1.

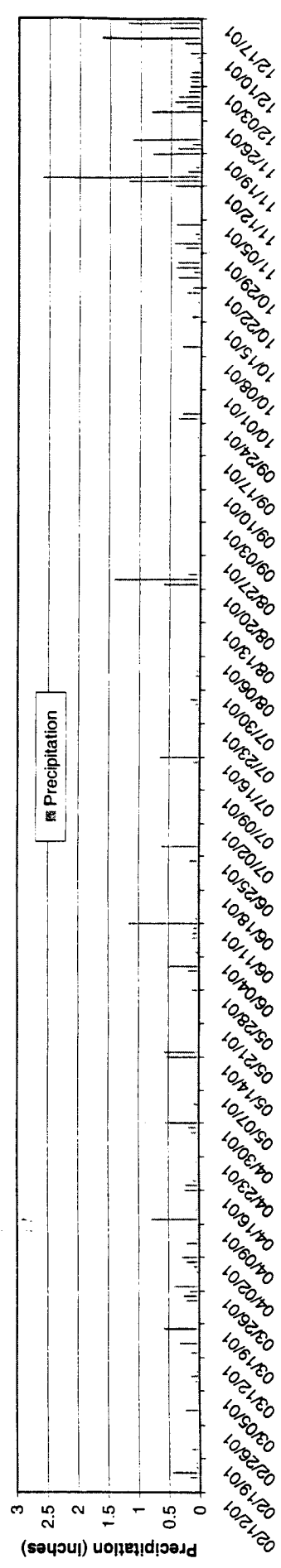
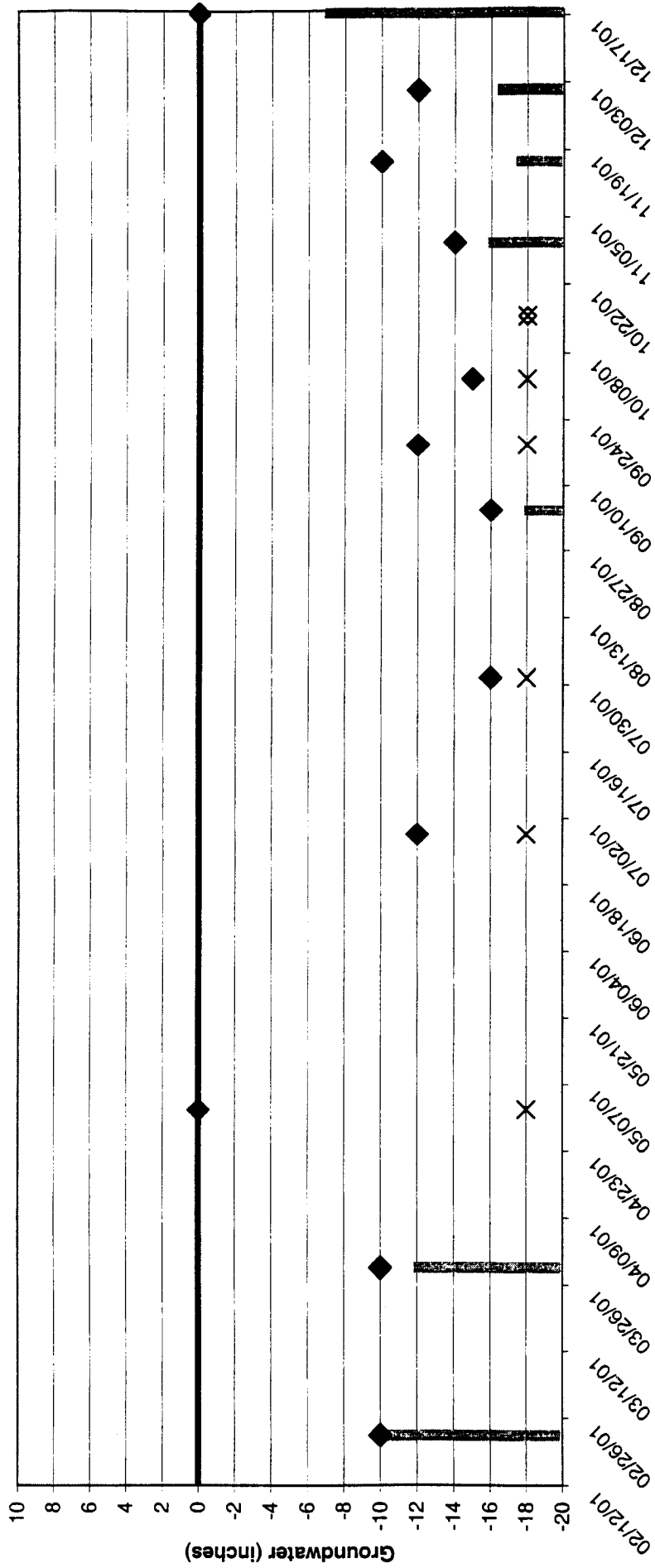
AR 031510



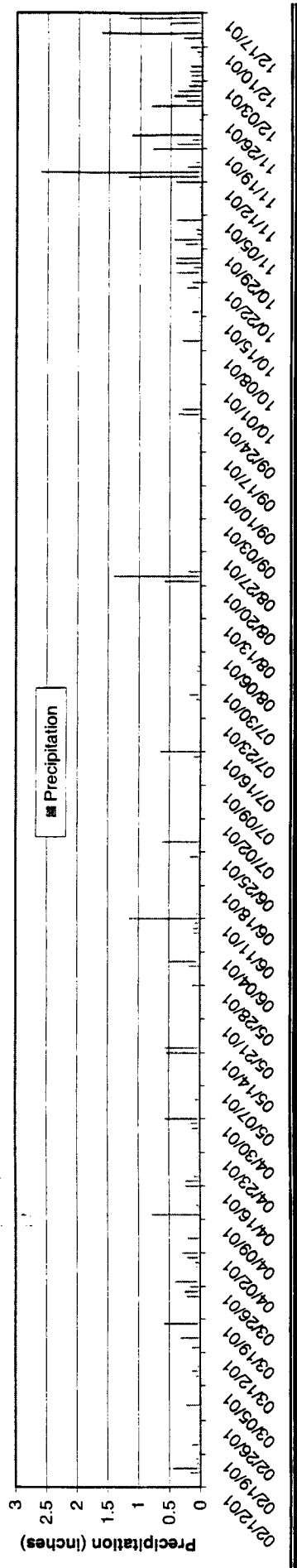
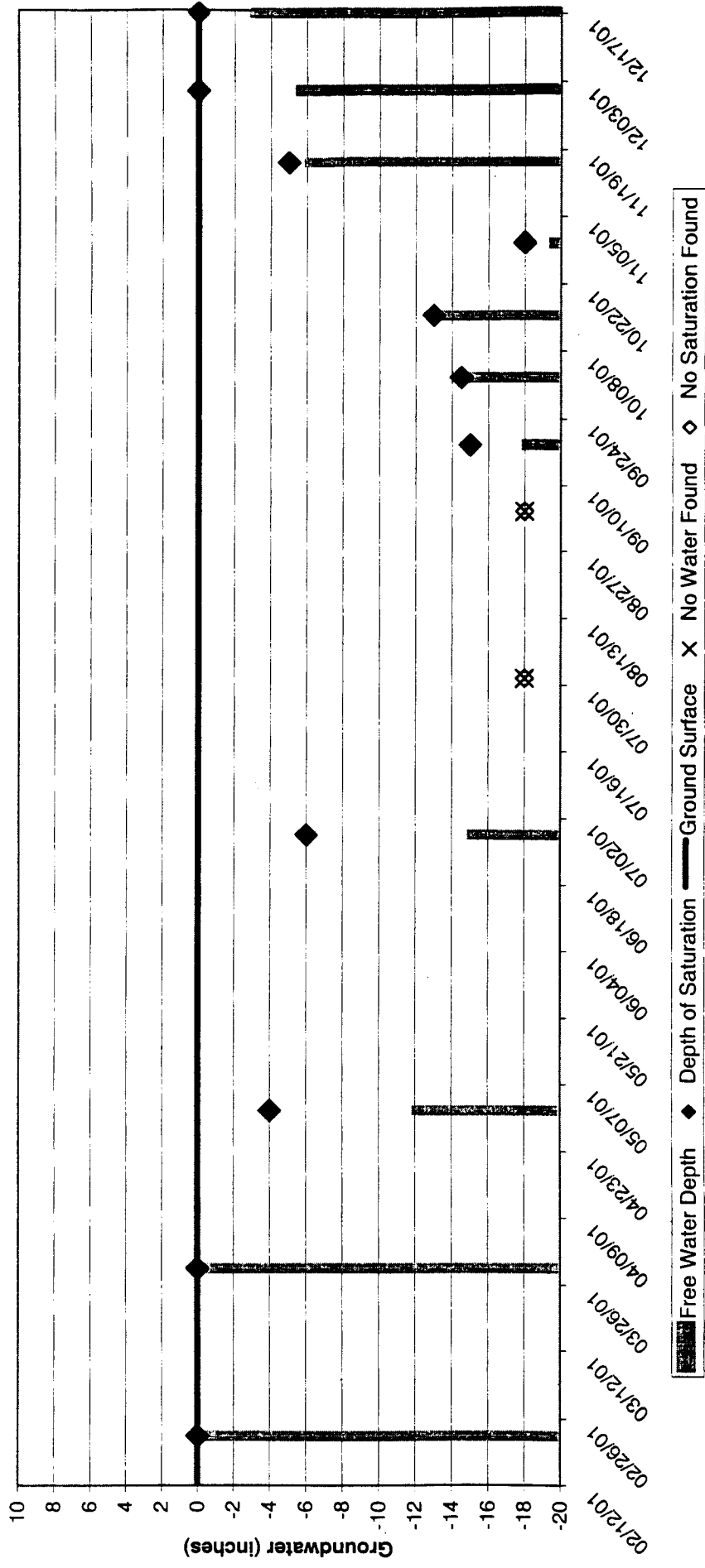
Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland R2, Well R2.



Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland R4, Well R4.

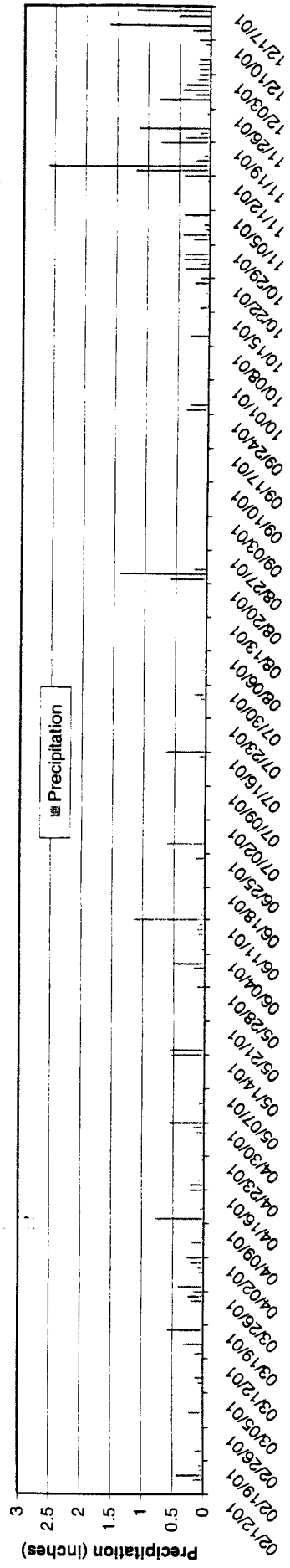
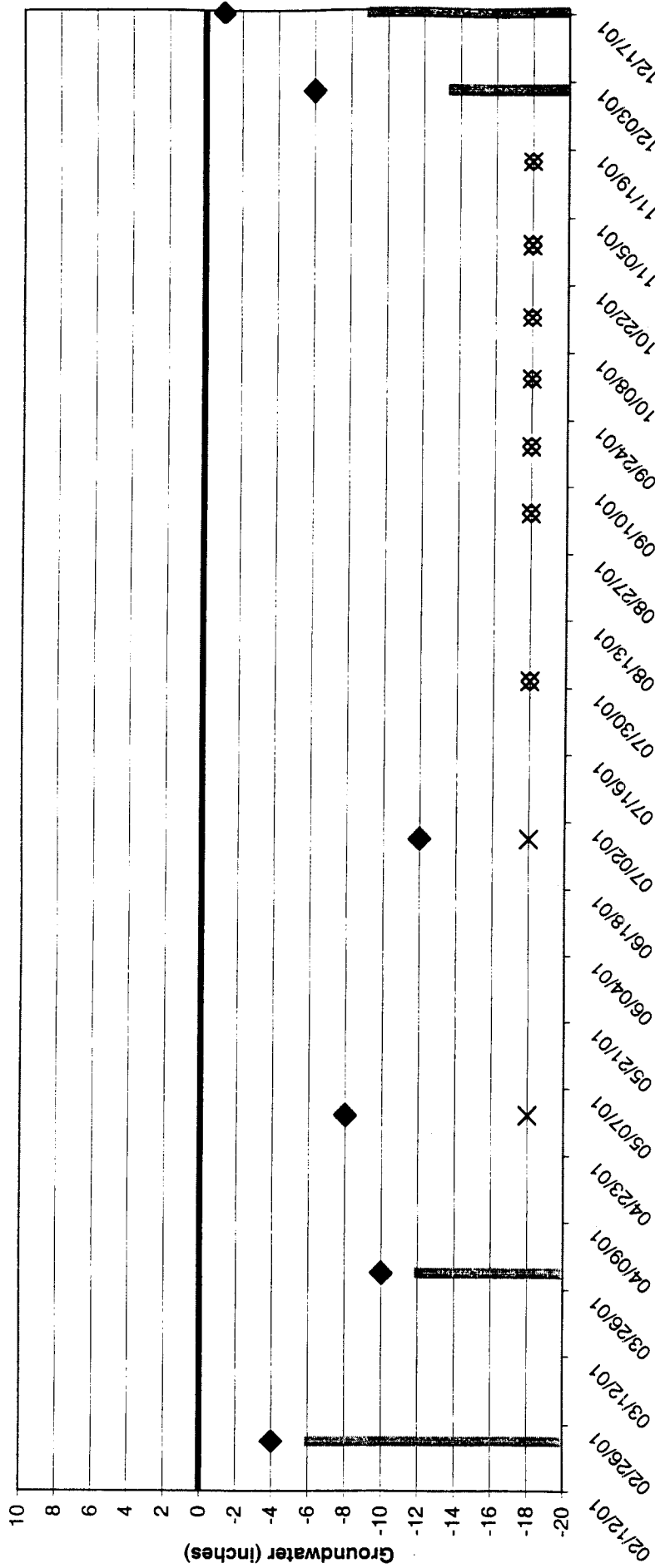


Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland R5, Well R5.



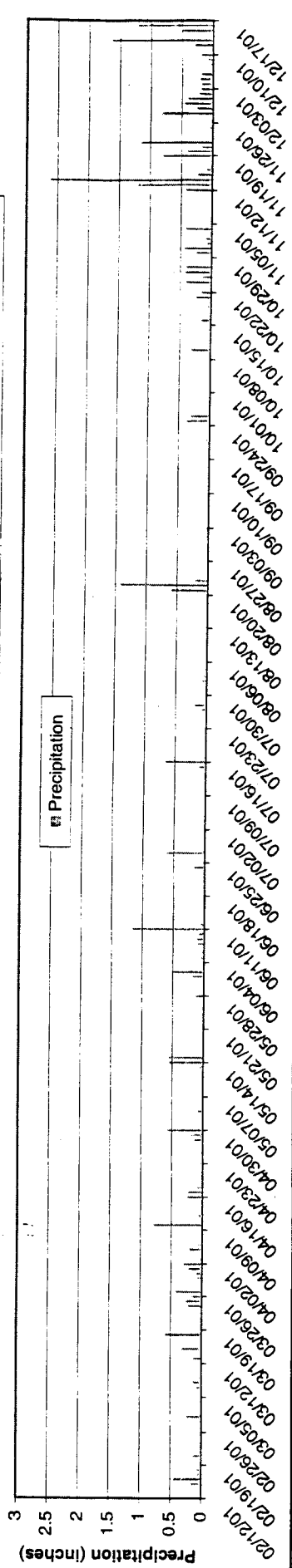
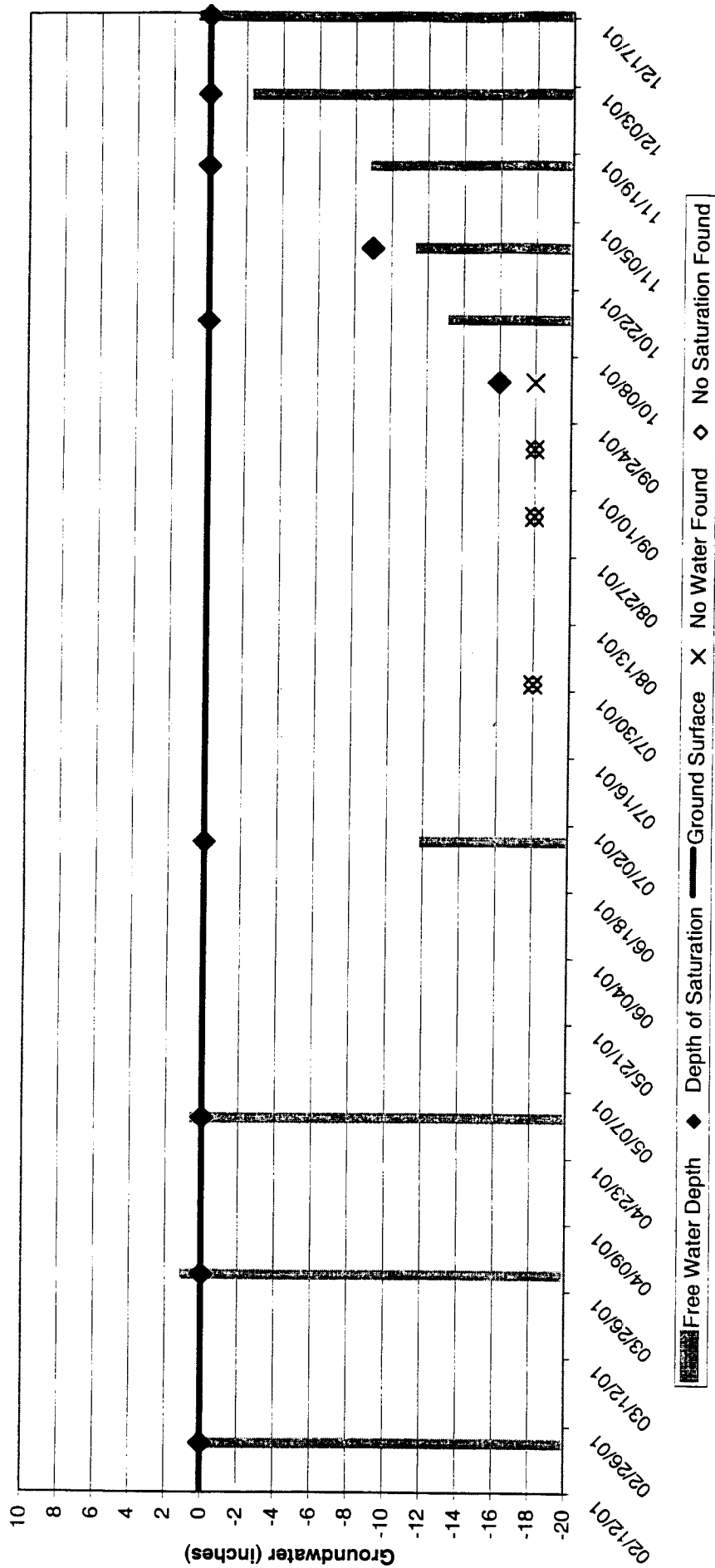
Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland R6, Well R6.

AR 031514



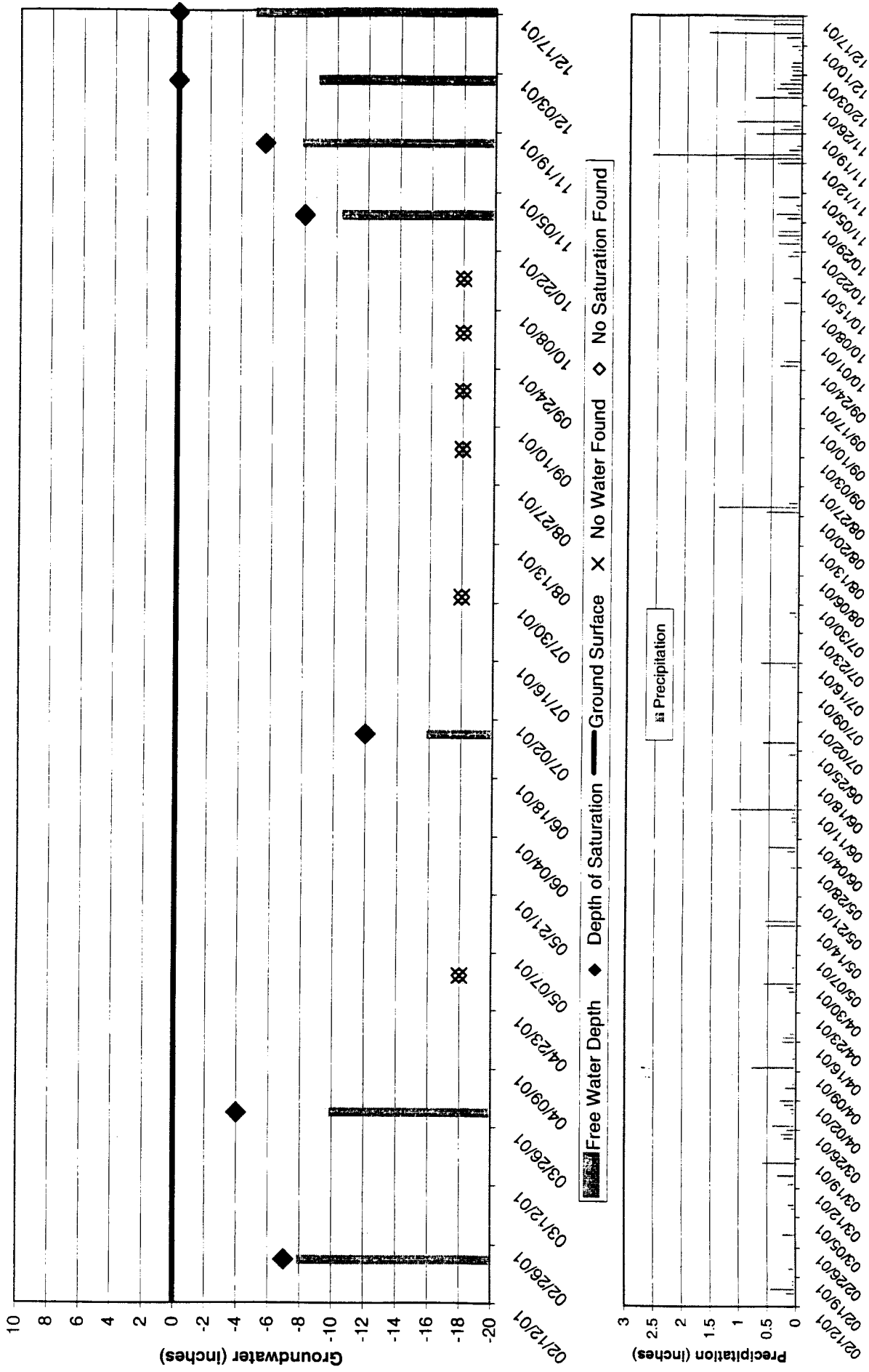
Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland R7a, Well R7a.

AR 031515



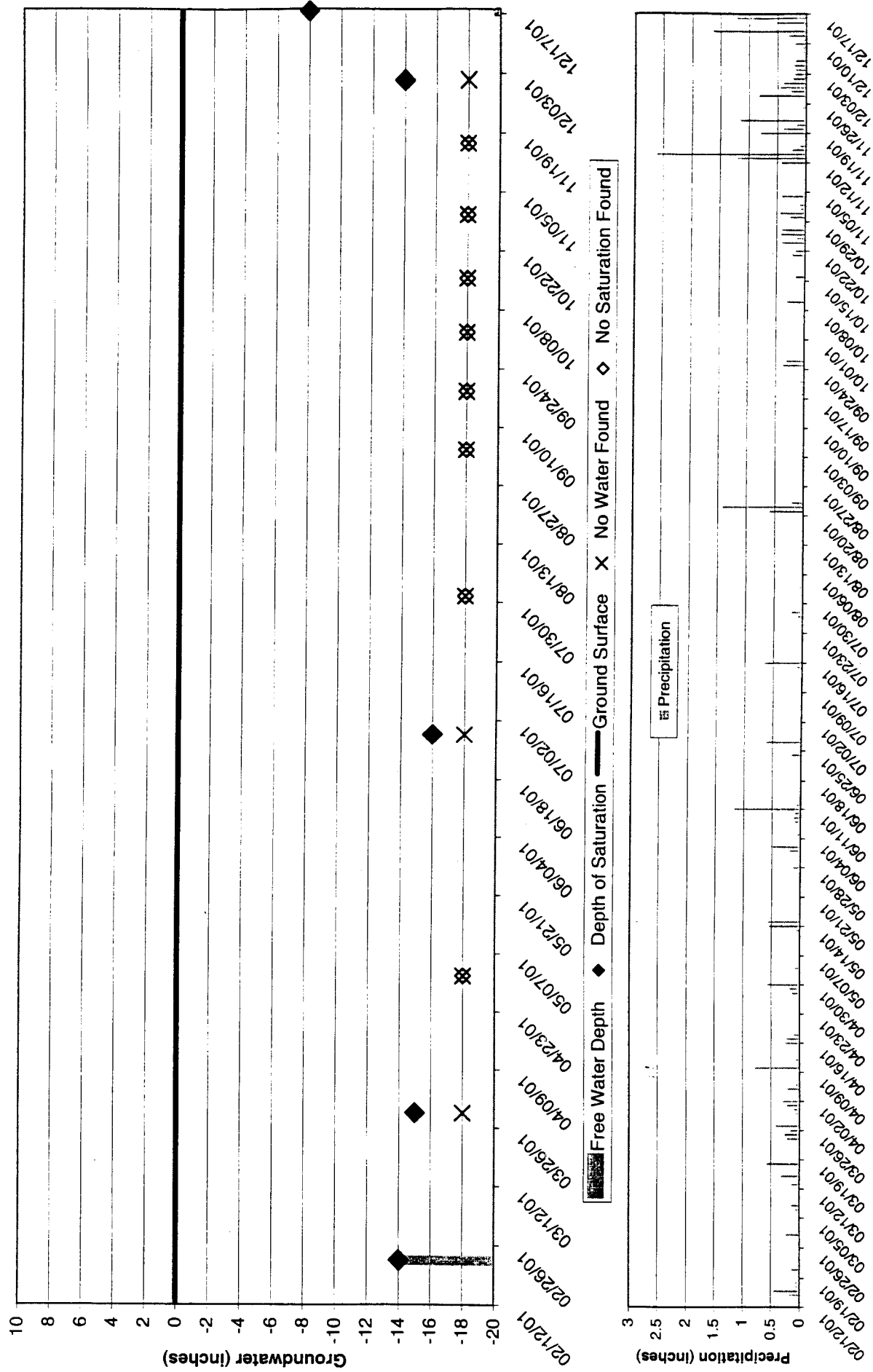
Preconstruction Hydrologic Measurement of
 Groundwater, Saturated Soil, and Daily Precipitation
 Conditions at Wetland R9, Well R9-1.

AR 031516



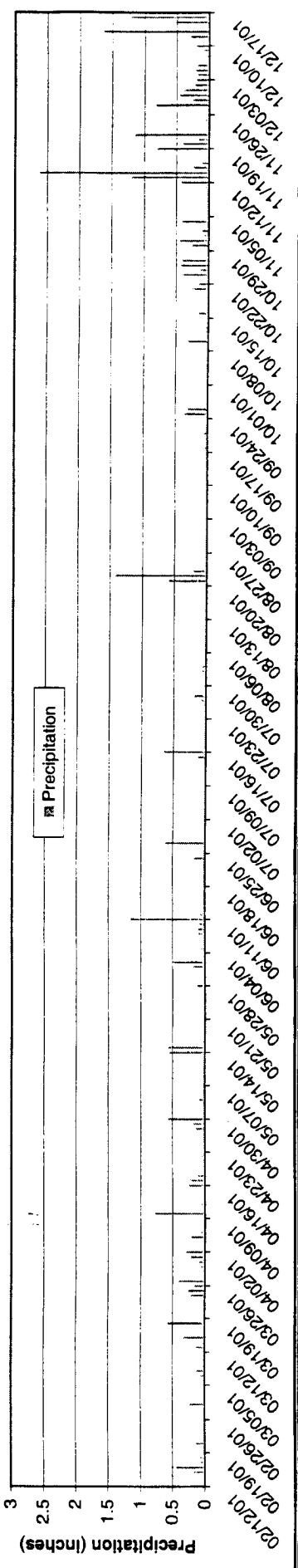
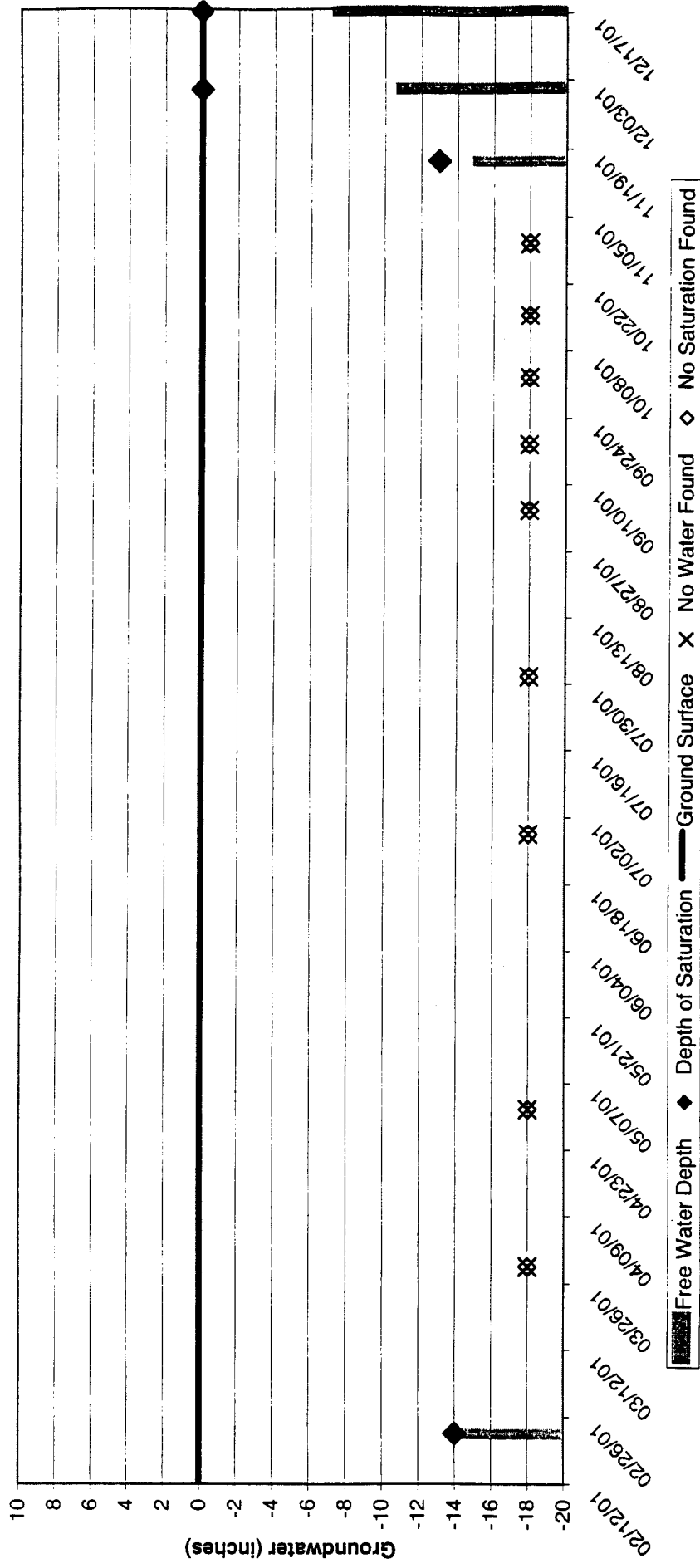
Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland R9, Well R9-2.

AR 031517



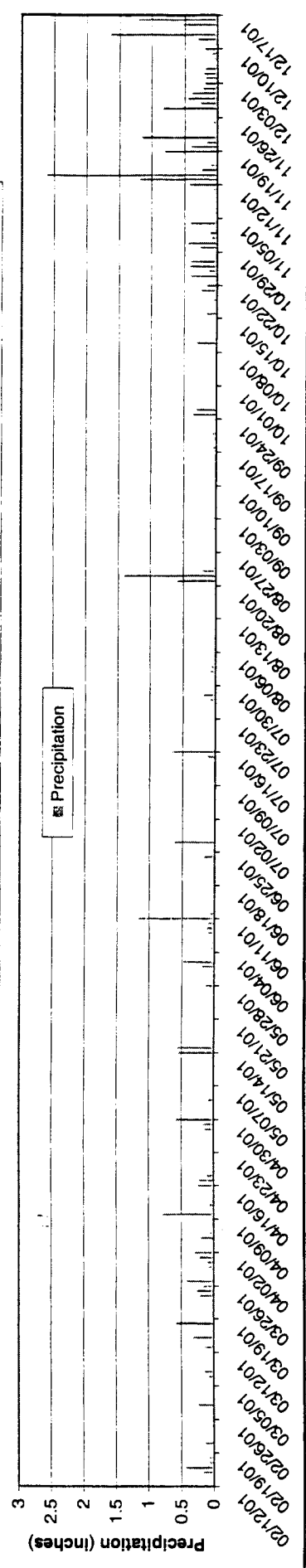
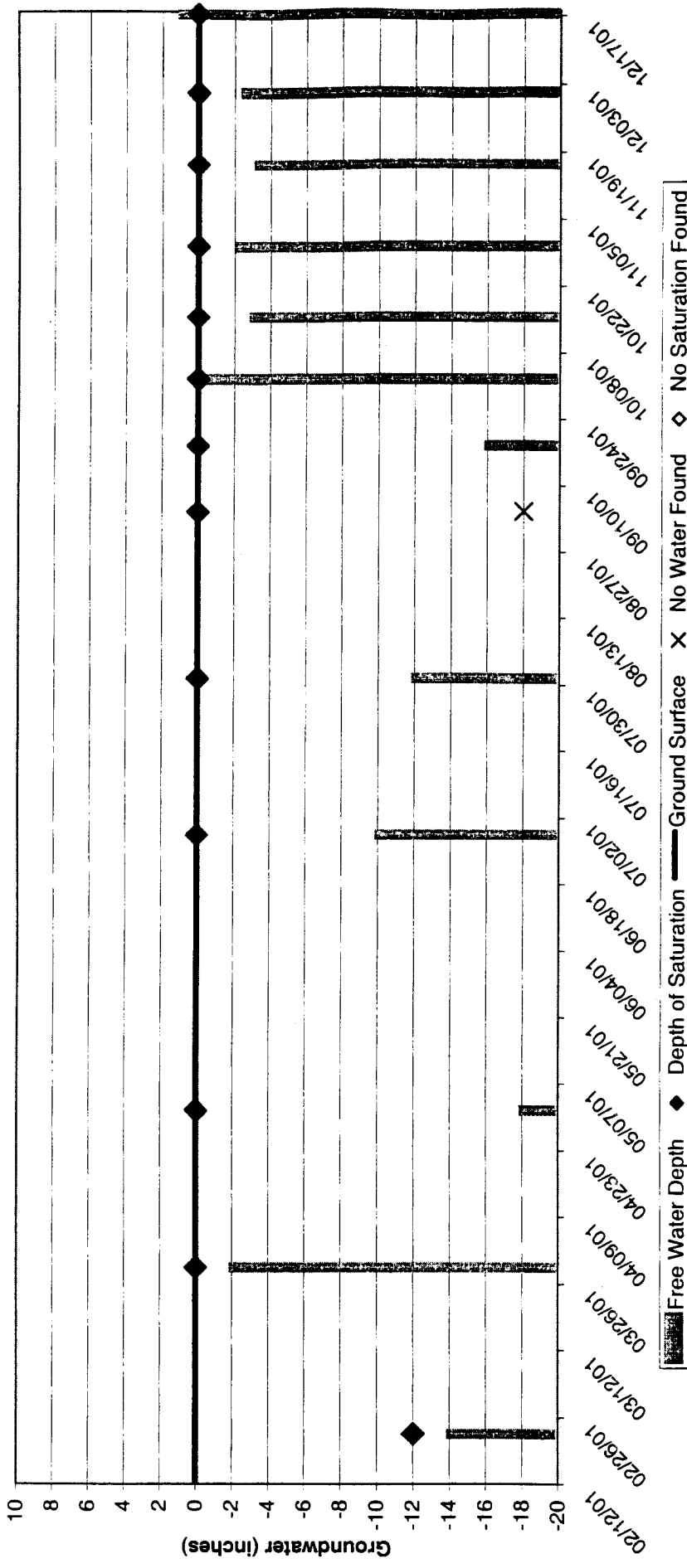
Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland R10, Well R10.

AR 031518



Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland R13, Well R13.

AR 031519

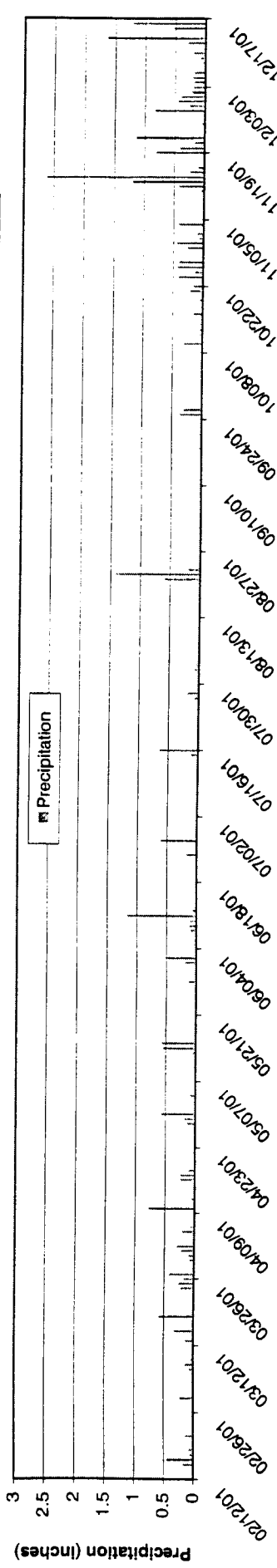
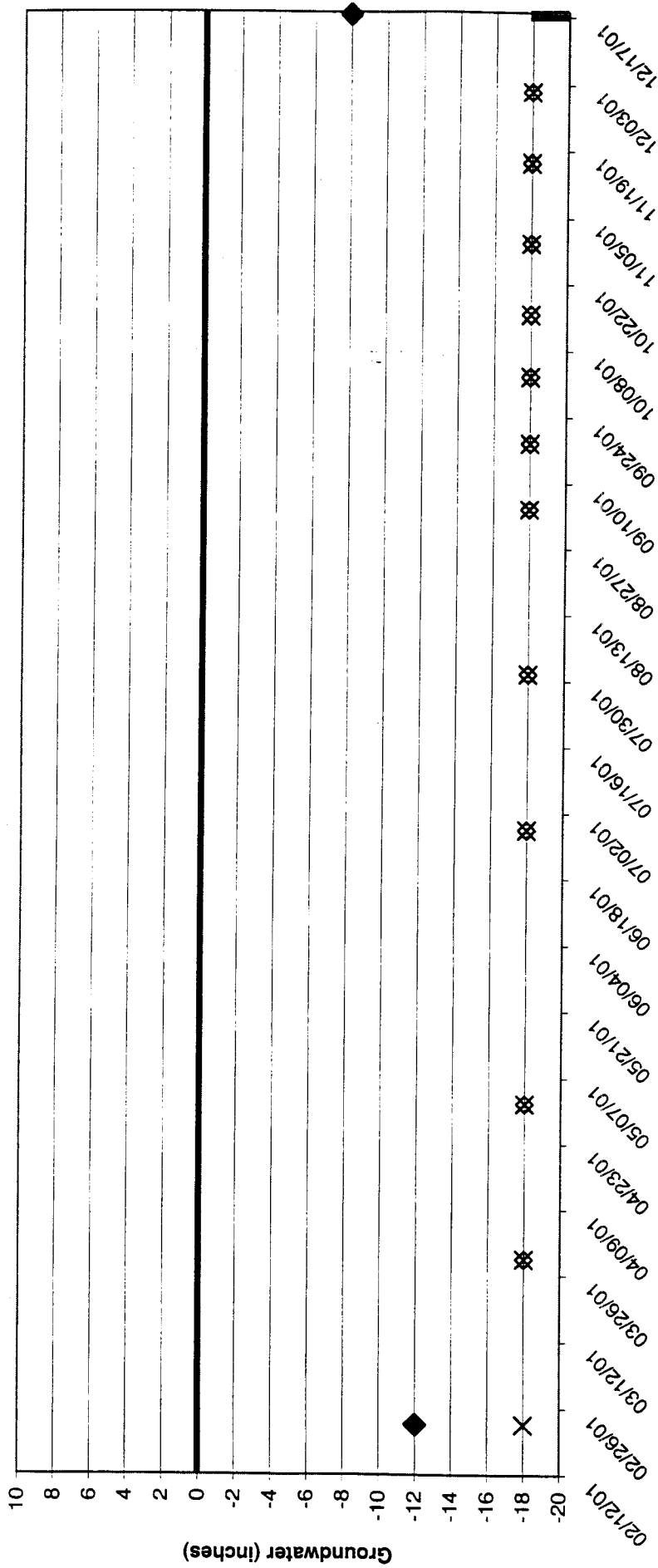


Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland R14, Well R14.

AR 031520

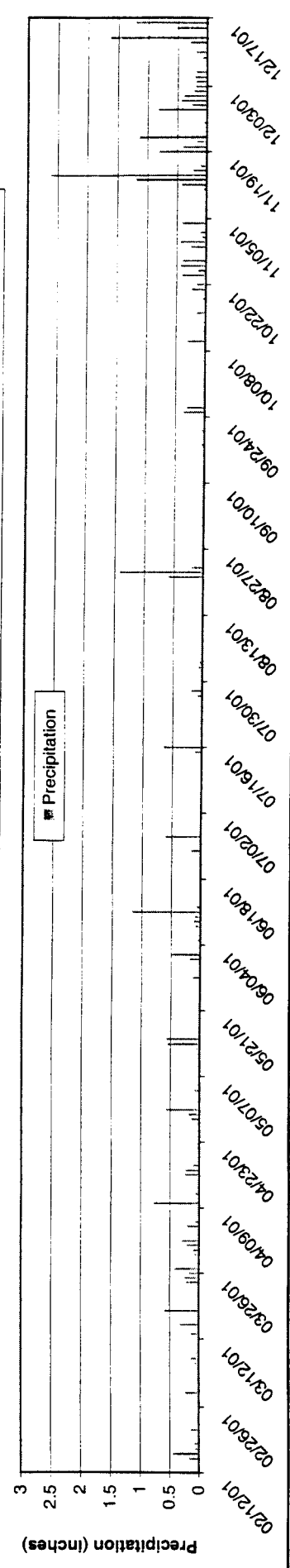
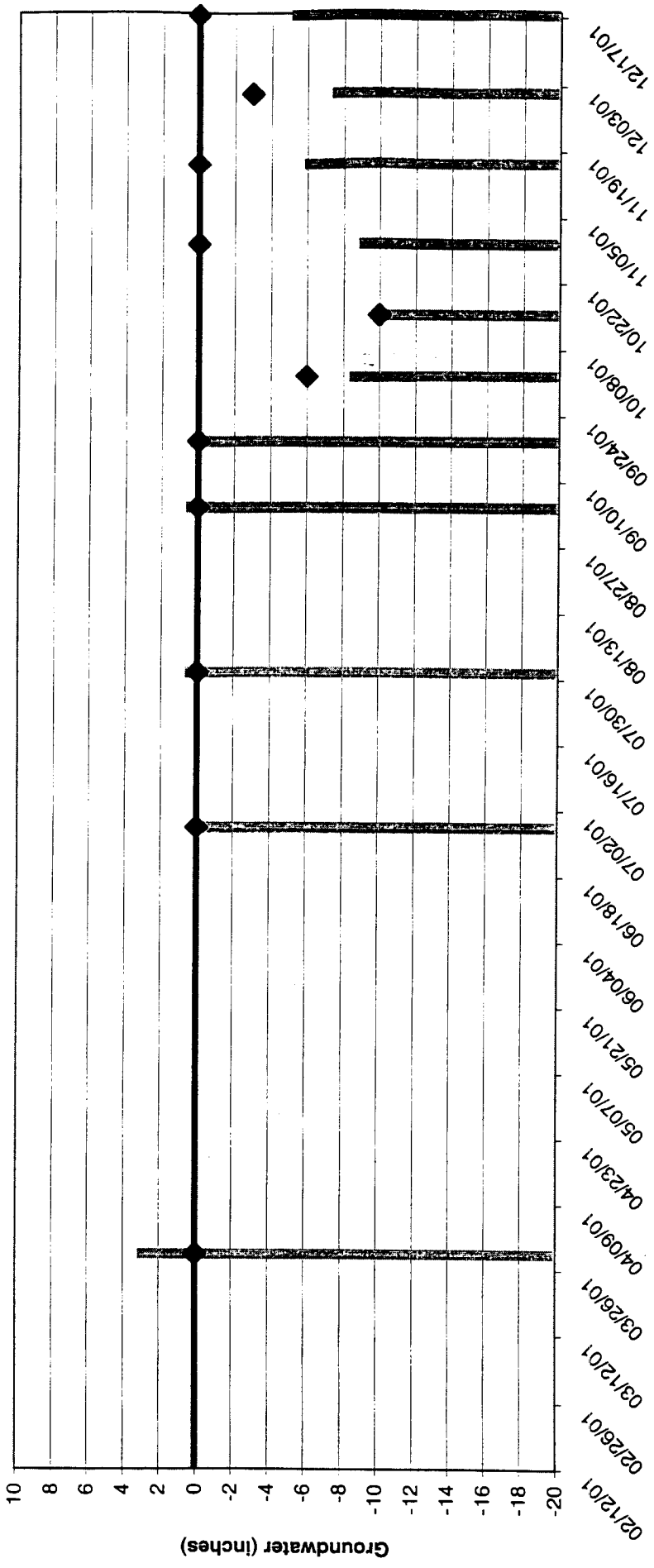
**HYDROLOGIC MONITORING IN WETLANDS LOCATED NEAR
BORROW AREA 1**

AR 031521



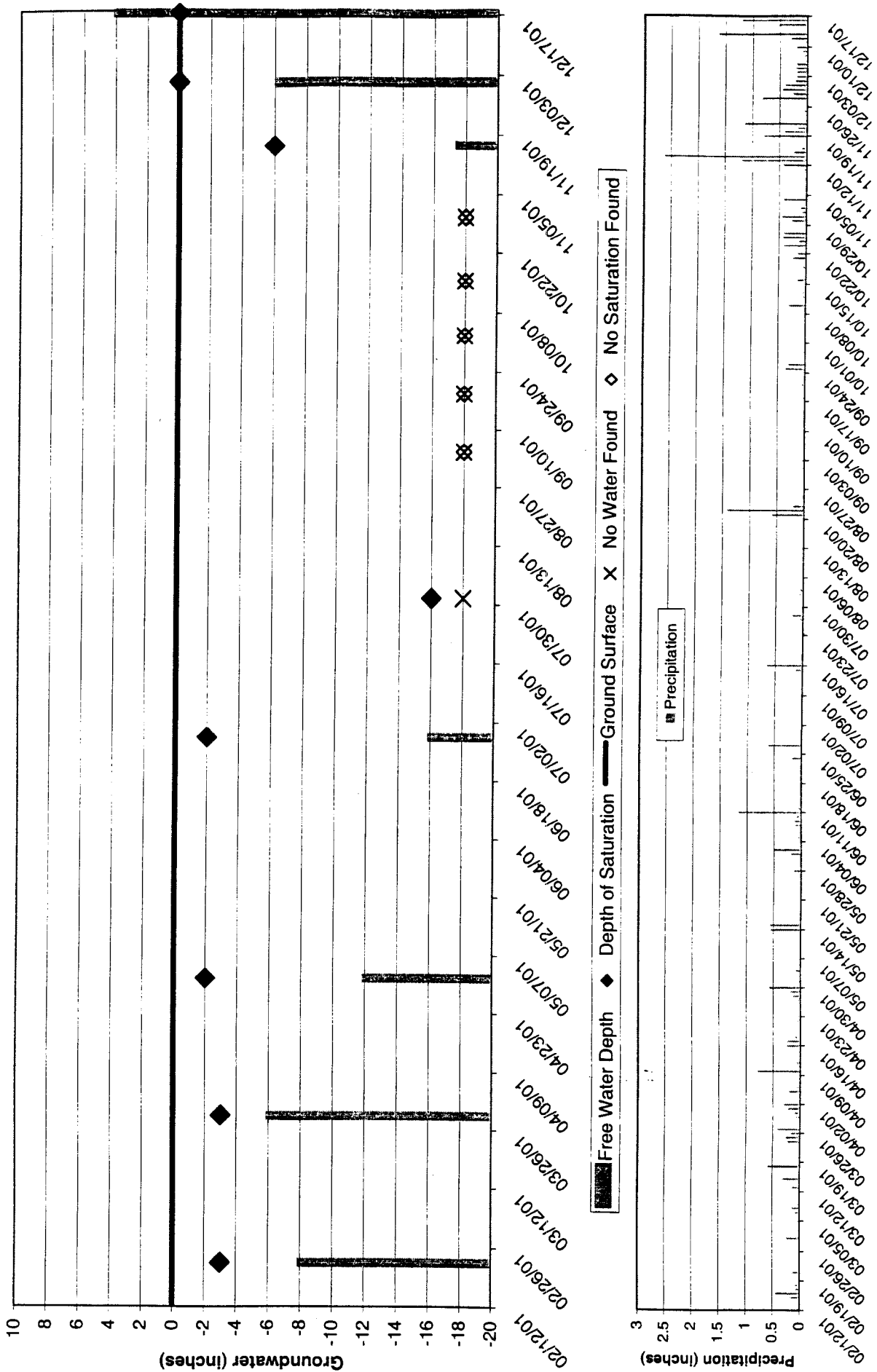
Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Borrow Areas, Well B1.

AR 031522



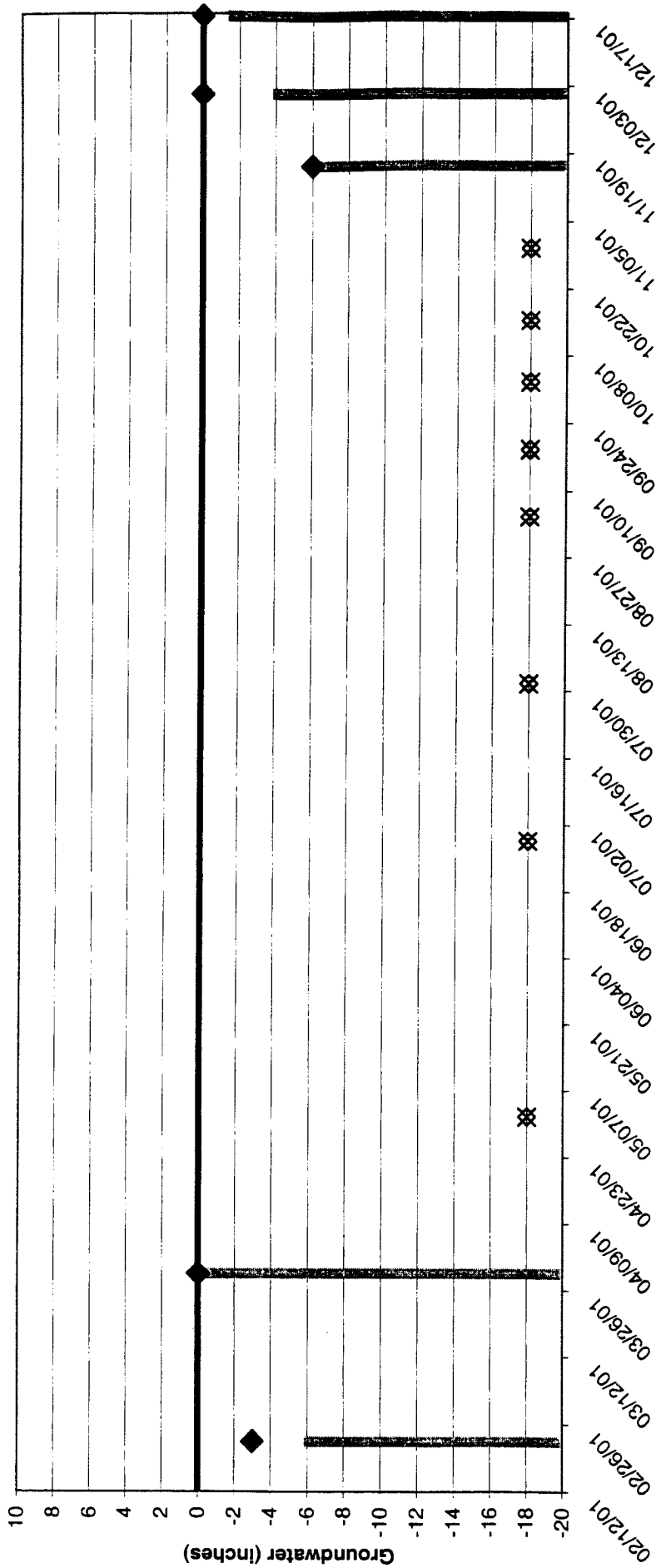
Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Borrow Areas, Well B4.

AR 031523

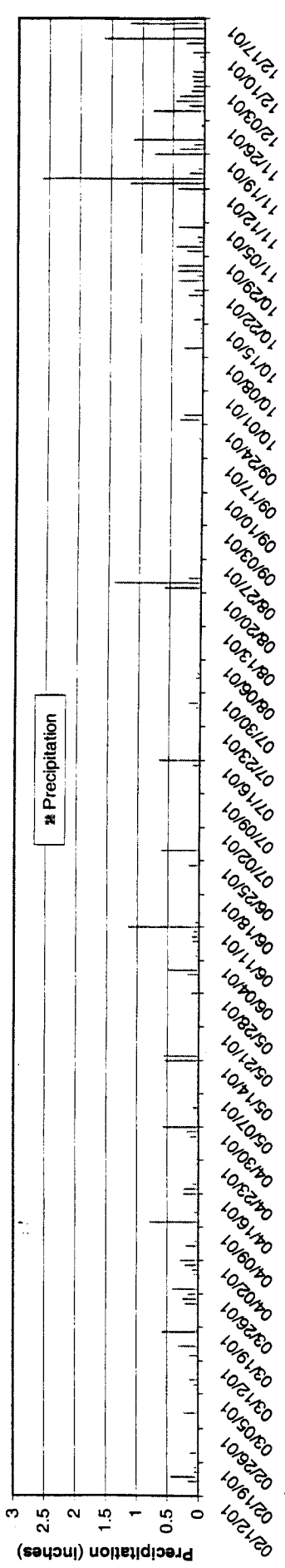


Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Borrow Areas, Well B12.

AR 031524

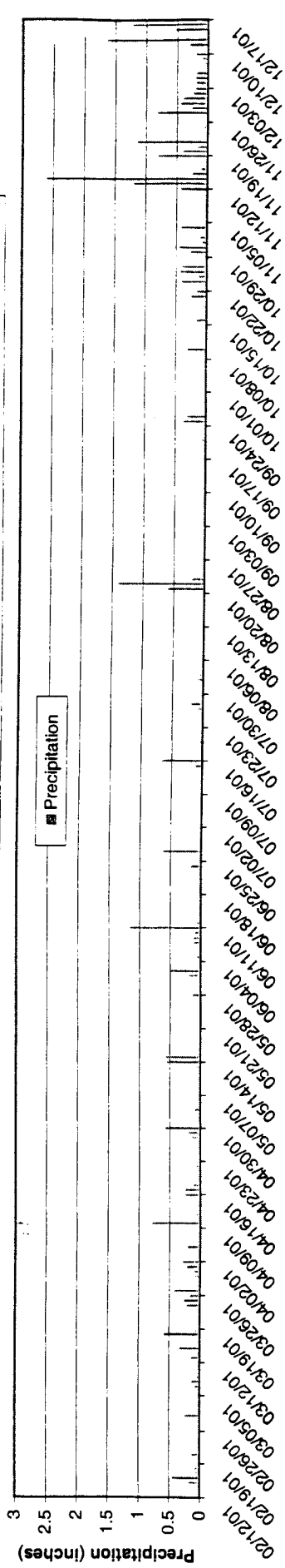
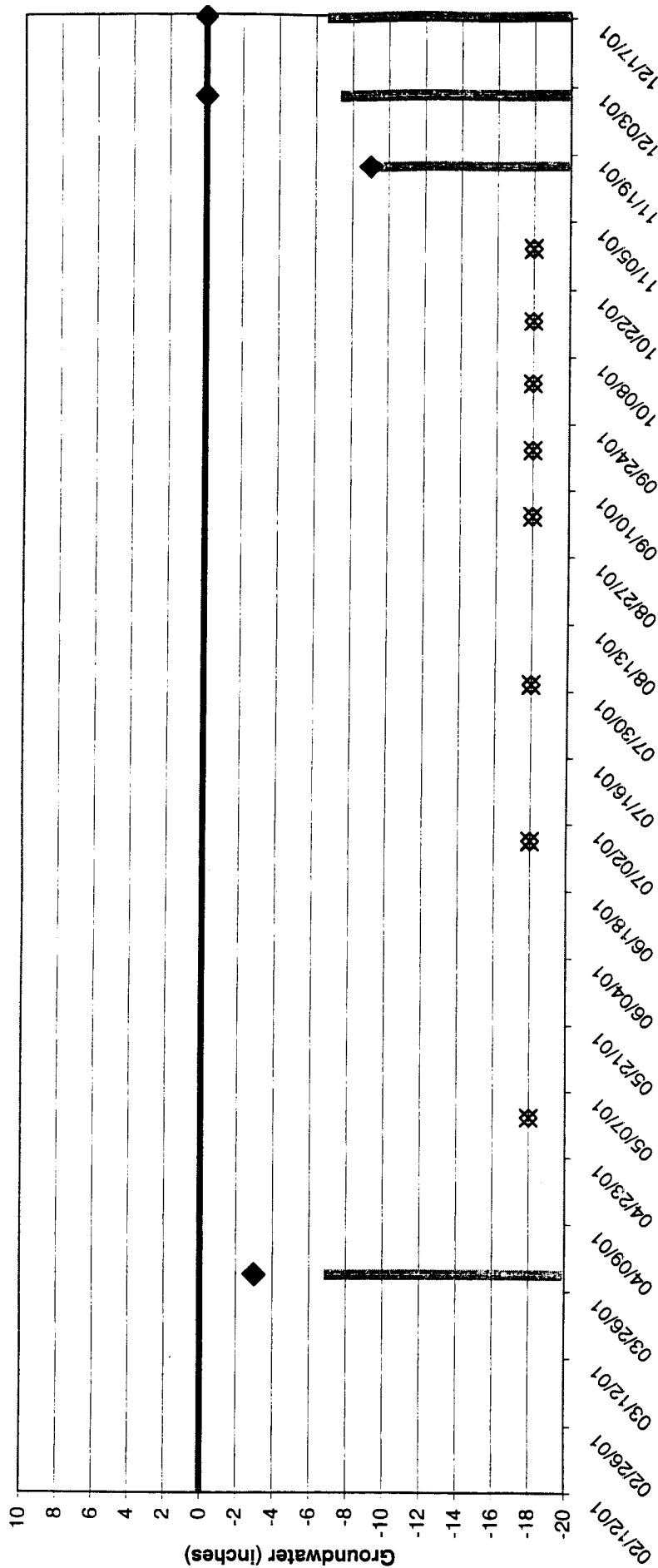


Free Water Depth
 Depth of Saturation
 Ground Surface
 X No Water Found
 ◊ No Saturation Found



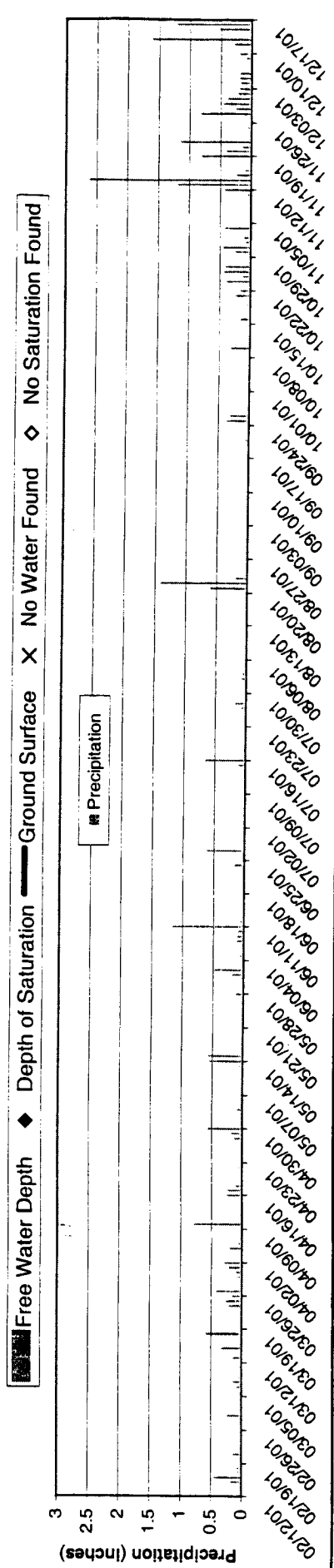
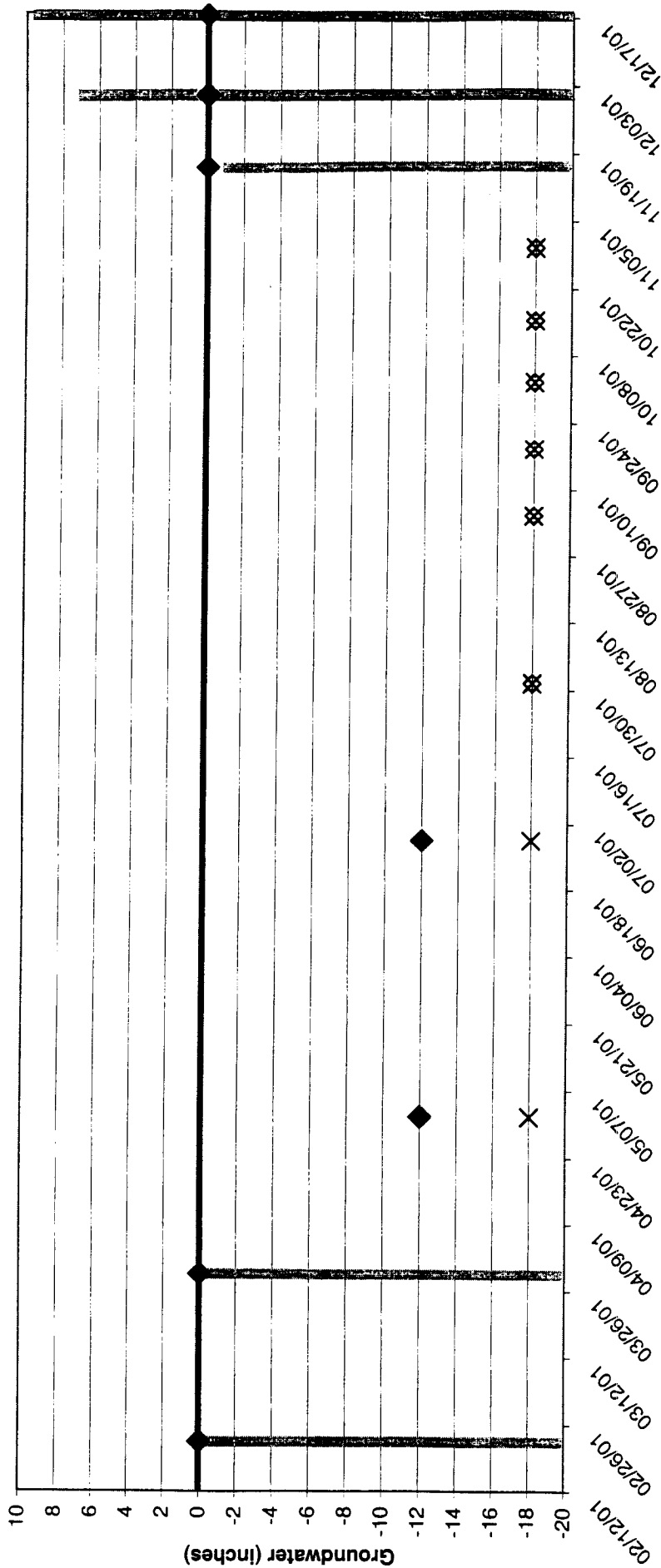
**Preconstruction Hydrologic Measurement of
 Groundwater, Saturated Soil, and Daily Precipitation
 Conditions at Borrow Areas, Well B15.**

AR 031525

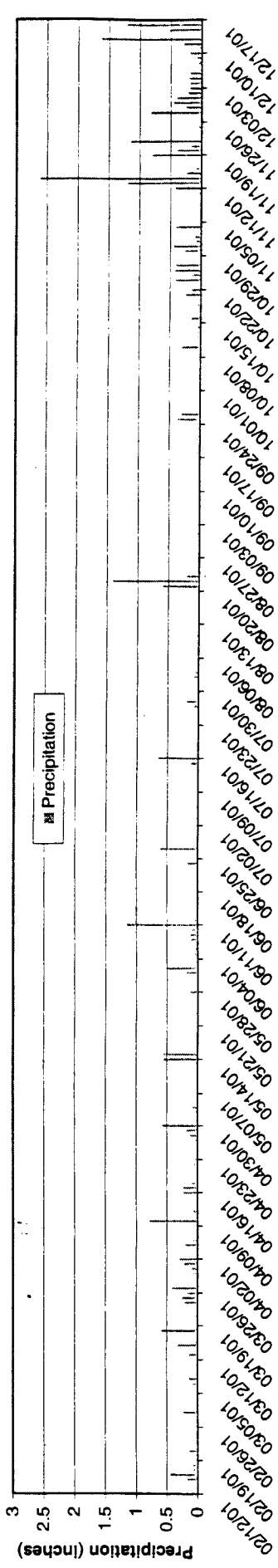
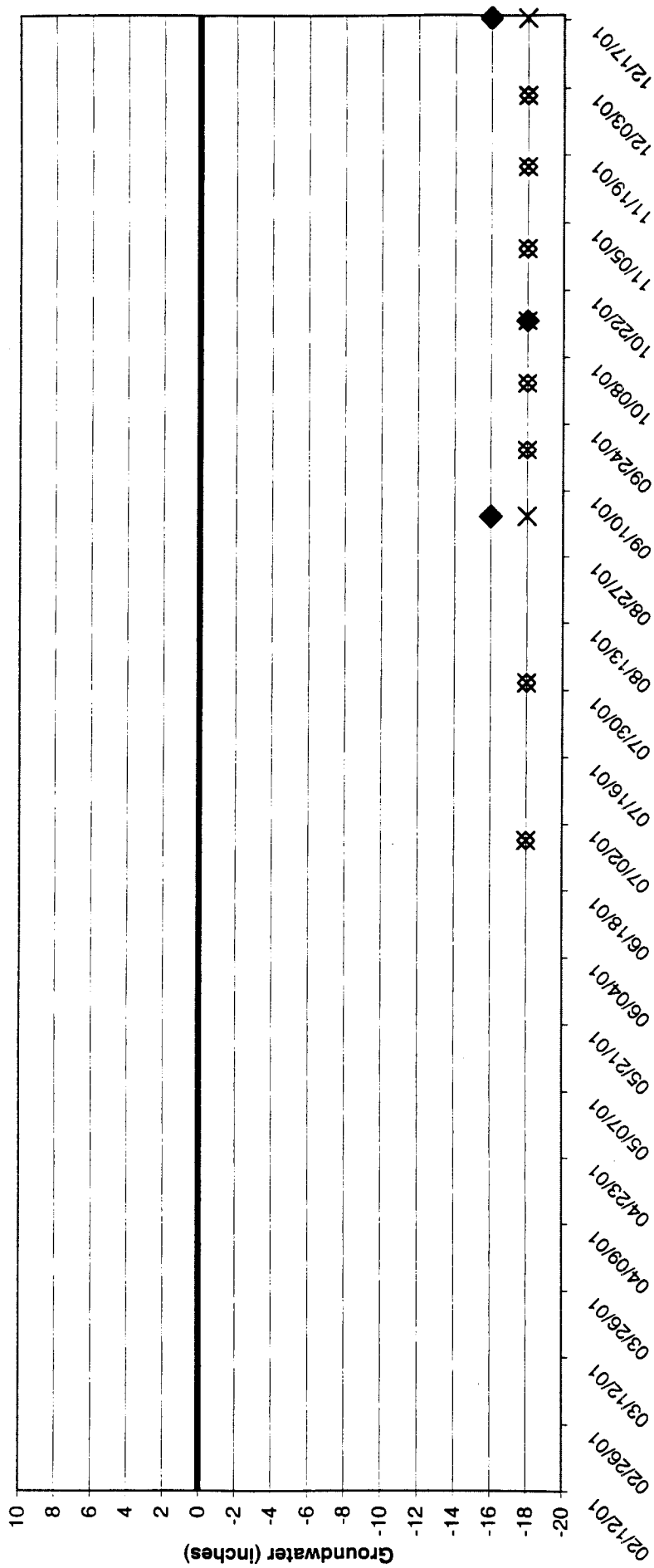


Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Borrow Areas, Well 32.

AR 031526



Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Borrow Areas, Well 48.

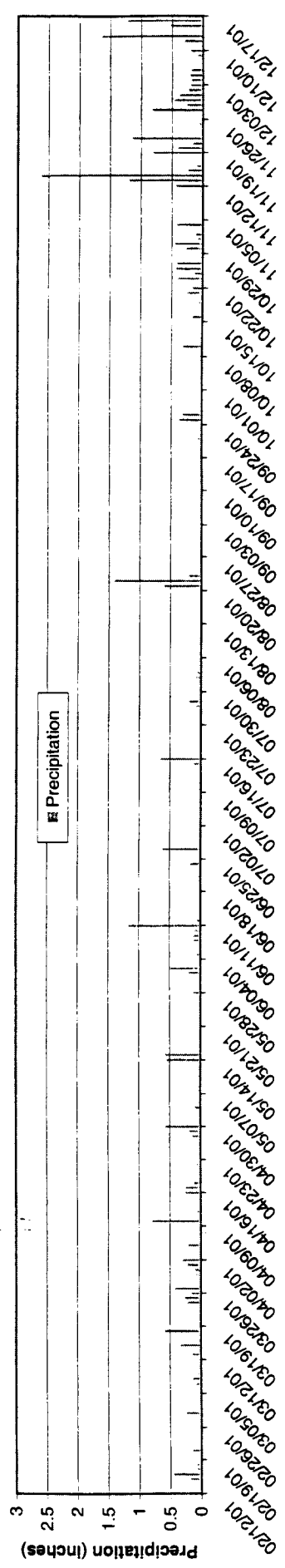
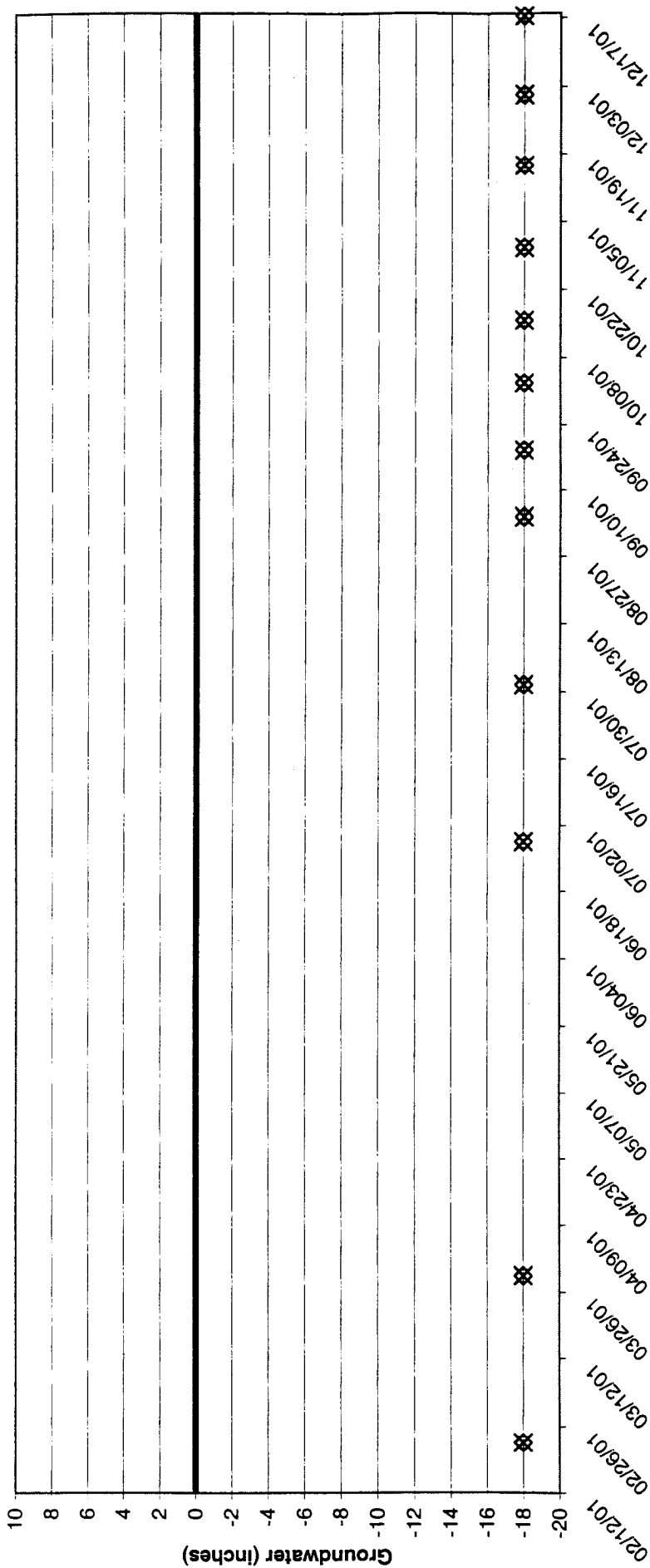


Preconstruction Hydrologic Measurement of
Groundwater, Saturated Soil, and Daily Precipitation
Conditions at Borrow Areas, Well 51.

AR 031528

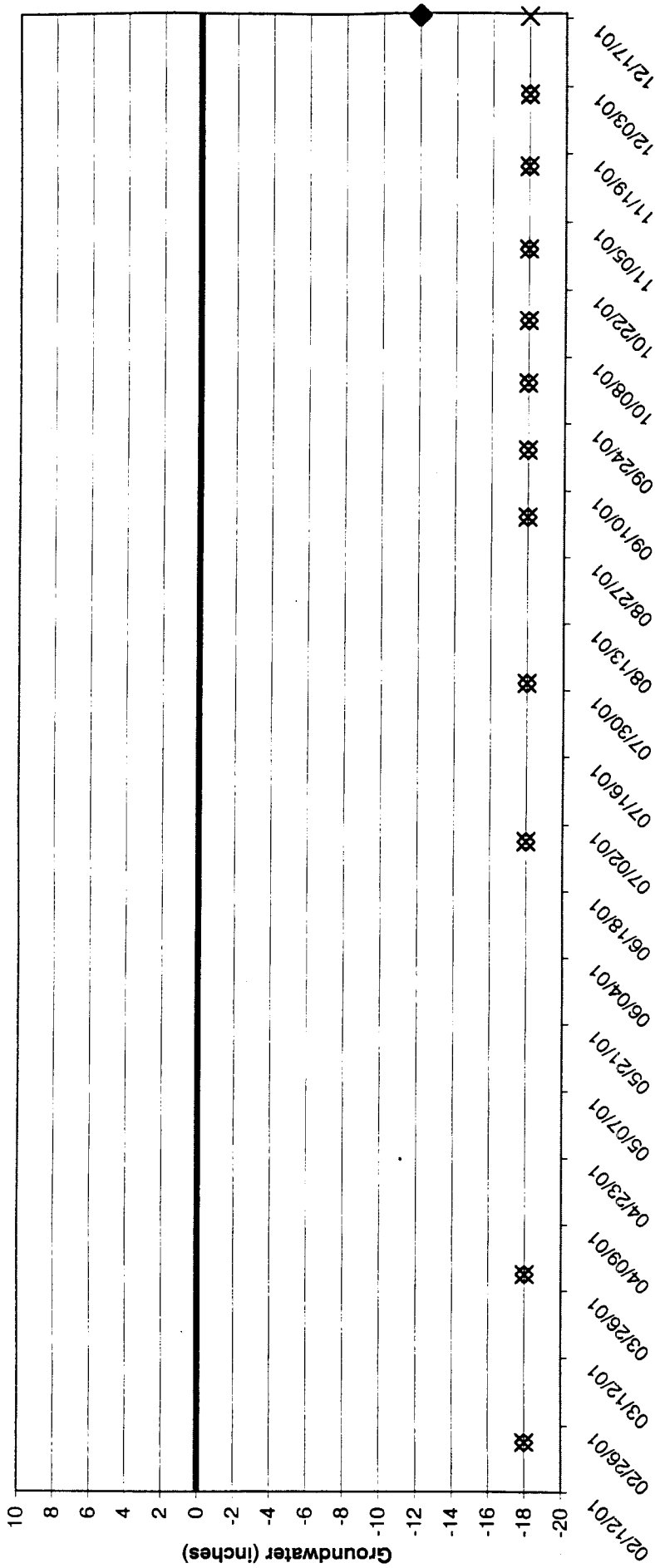
**HYDROLOGIC MONITORING IN WETLANDS LOCATED NEAR
BORROW AREA 3**

AR 031529

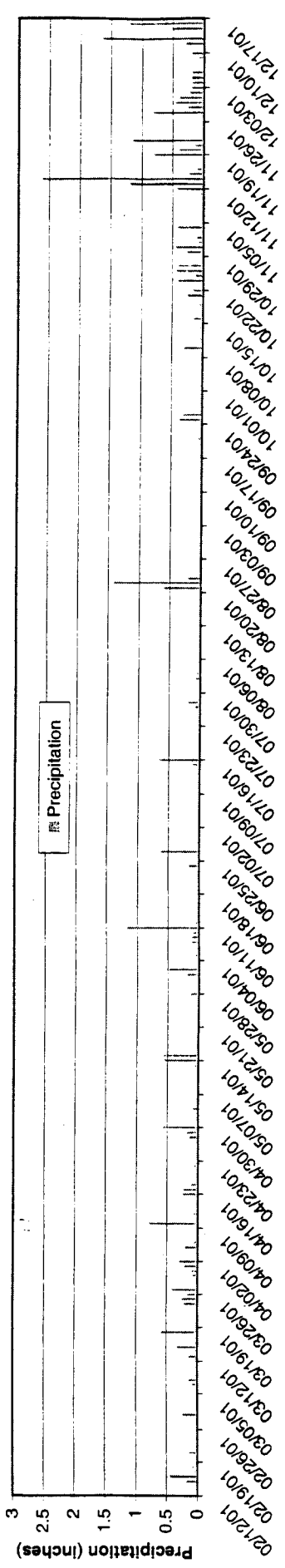


**Preconstruction Hydrologic Measurement of
 Groundwater, Saturated Soil, and Daily Precipitation
 Conditions at Borrow Areas, Well B5.**

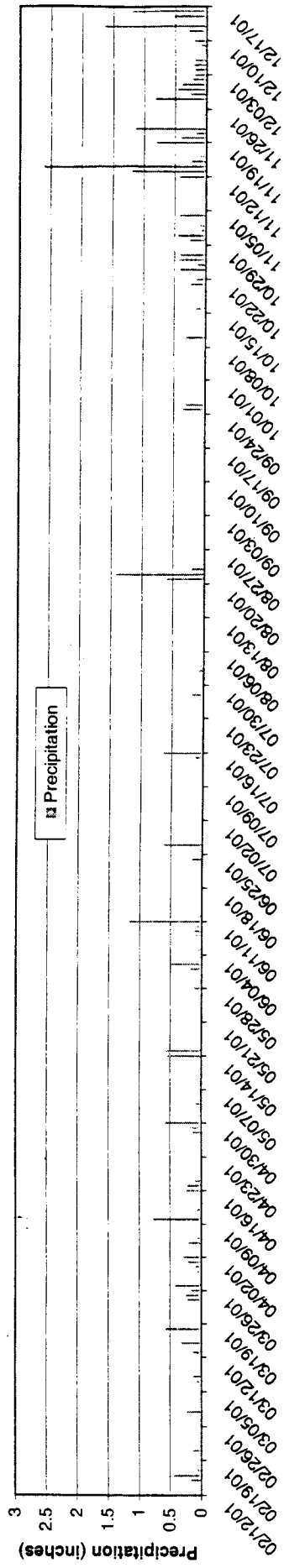
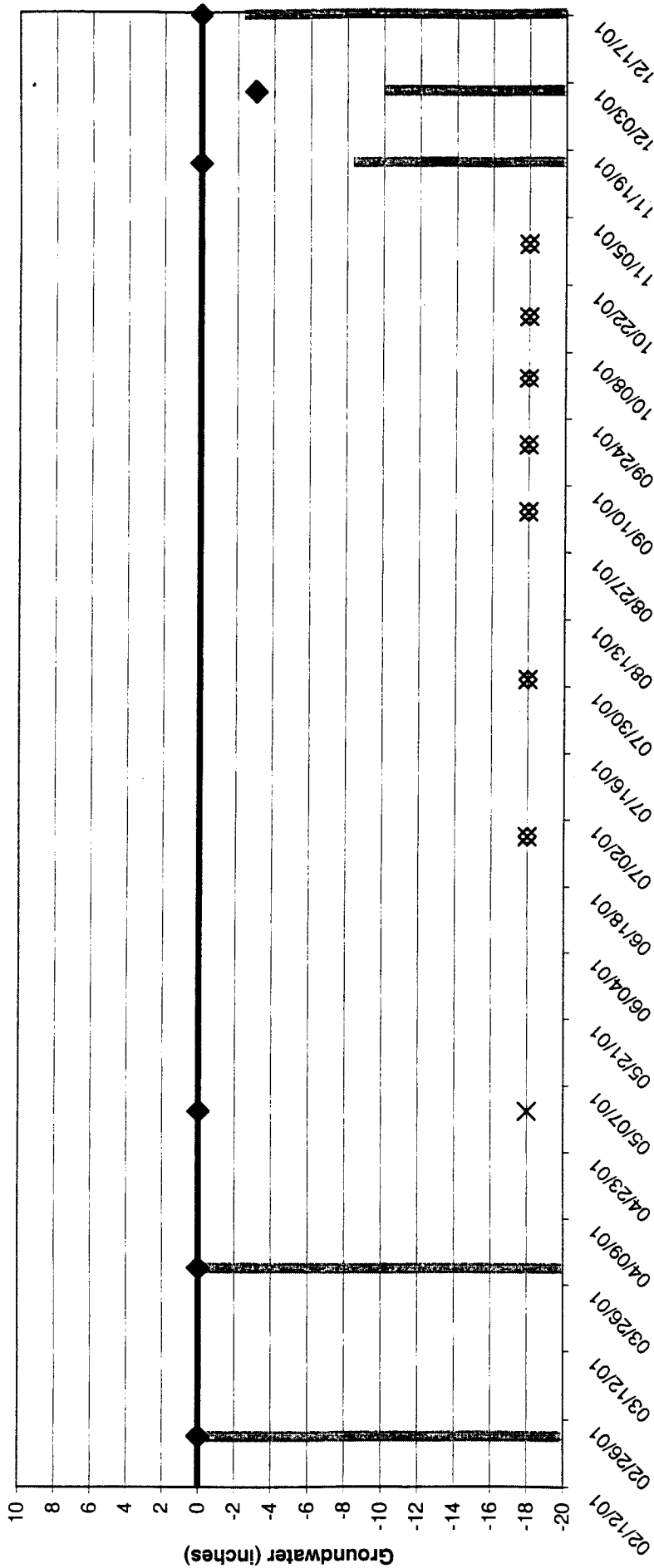
AR 031530



Free Water Depth ◆ Depth of Saturation — No Water Found ◇ No Saturation Found

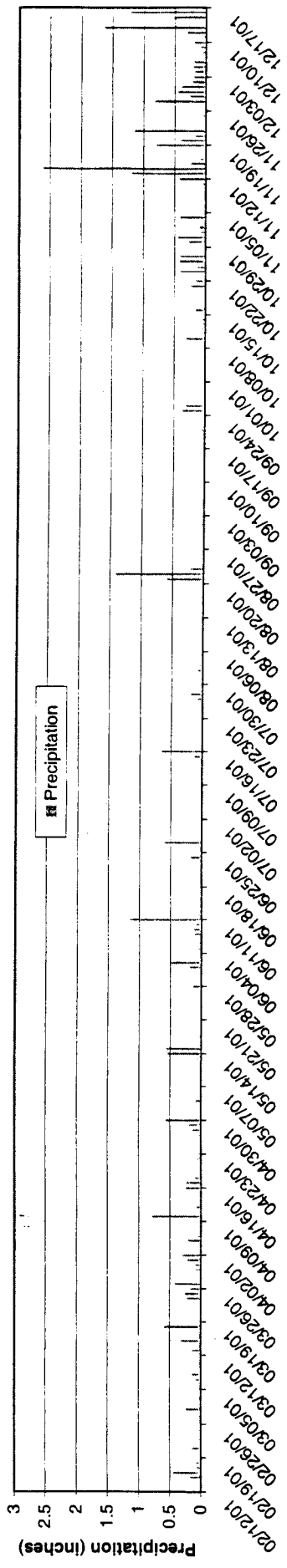
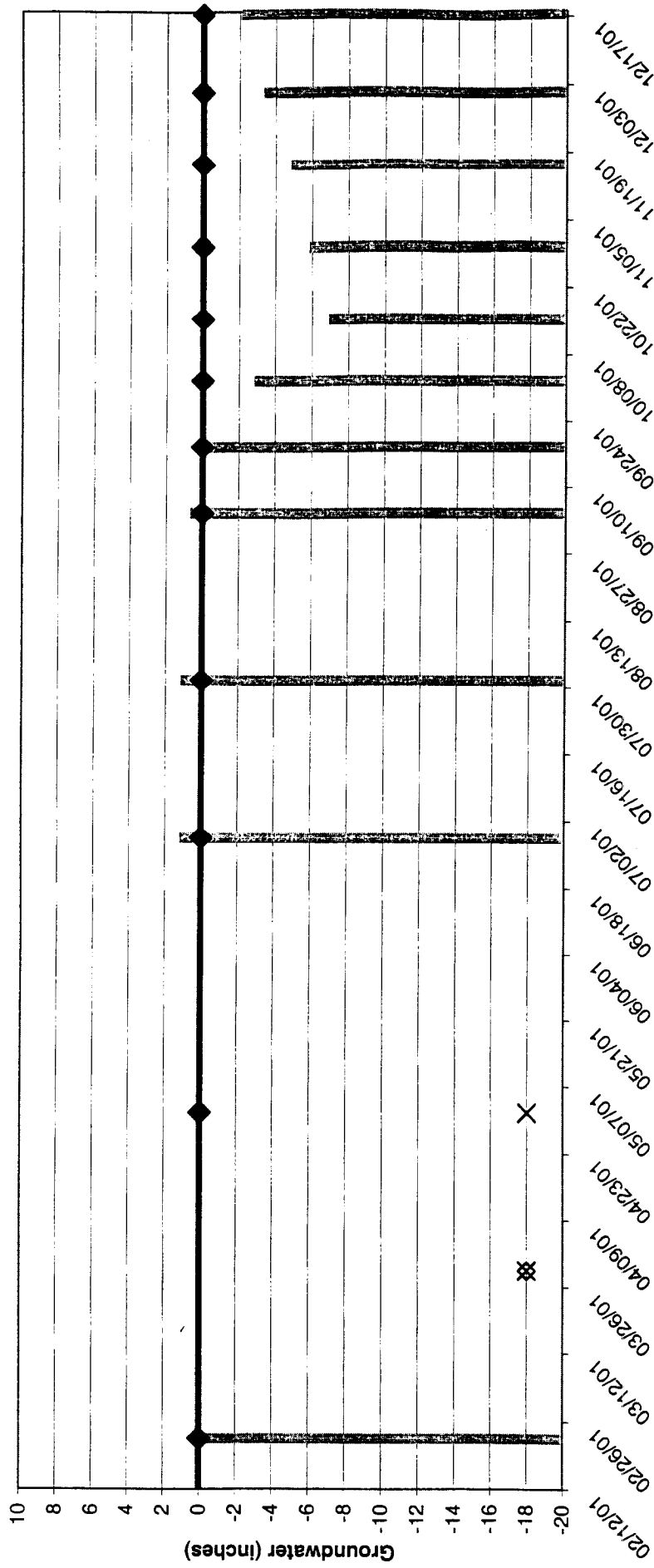


Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Borrow Areas, Well B6.



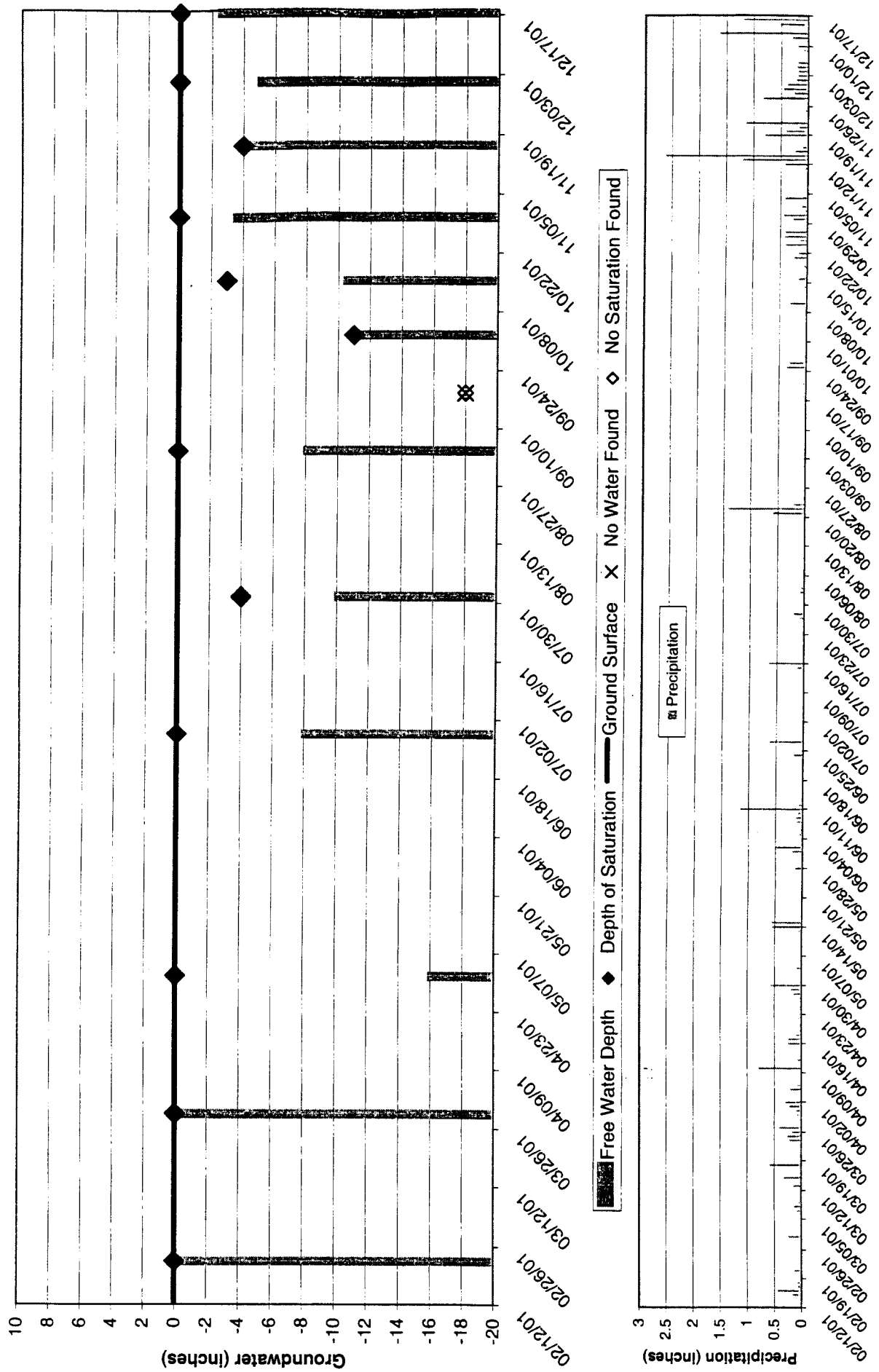
Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Borrow Areas, Well B9.

AR 031532



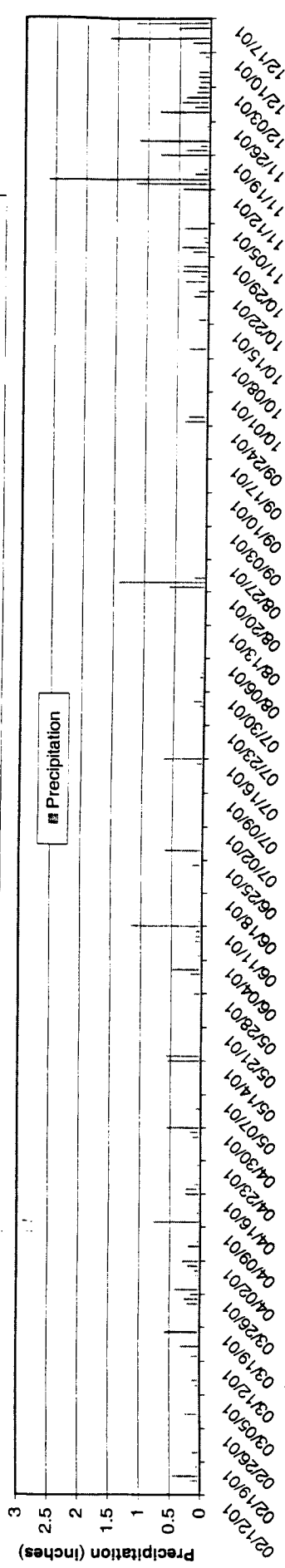
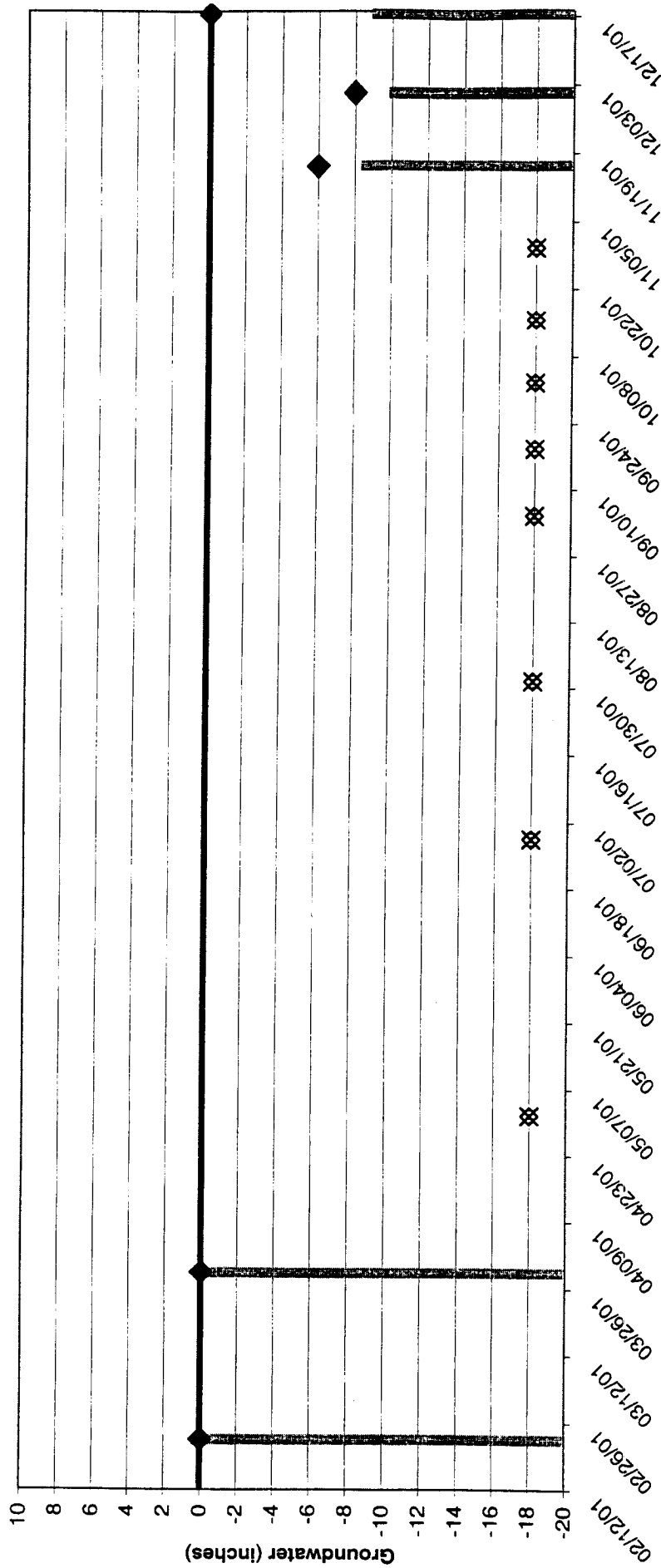
Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Borrow Areas, Well B10.

AR 031533



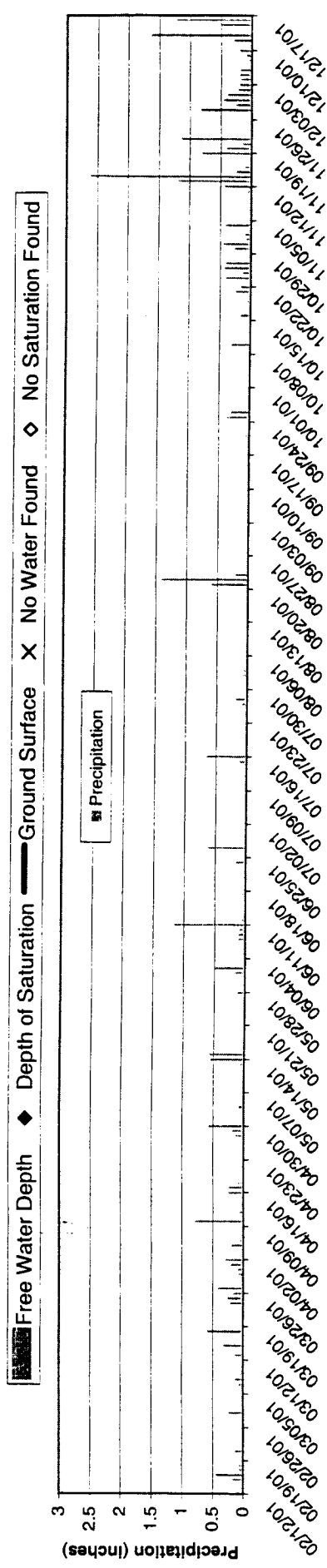
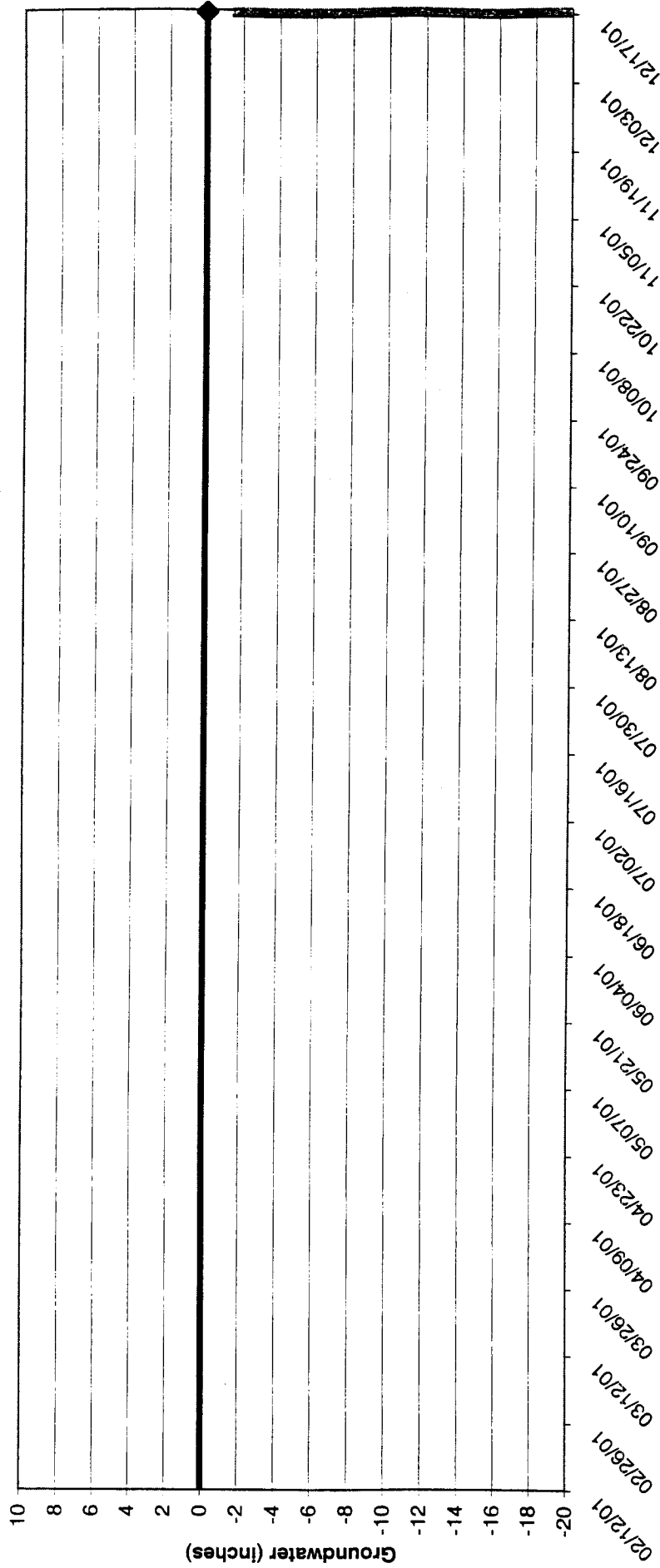
Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Borrow Areas, Well 29.

AR 031534



**Preconstruction Hydrologic Measurement of
 Groundwater, Saturated Soil, and Daily Precipitation
 Conditions at Borrow Areas, Well 30.**

AR 031535

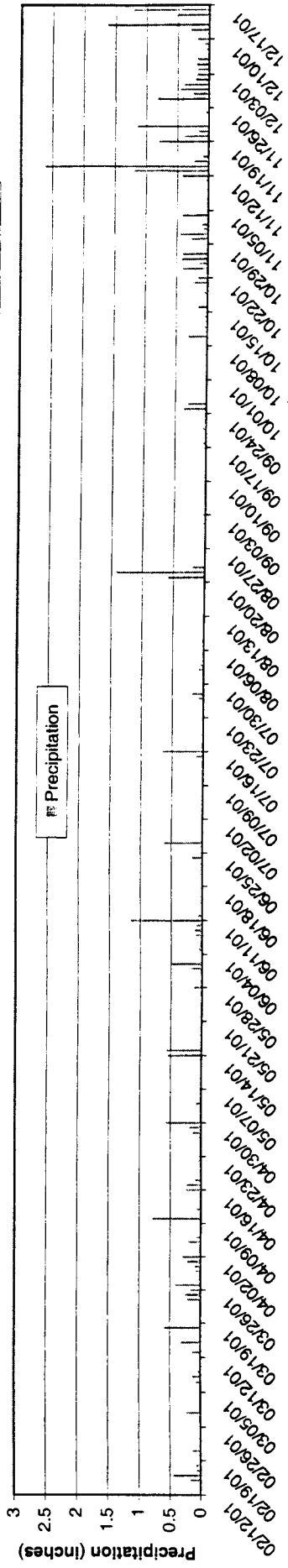
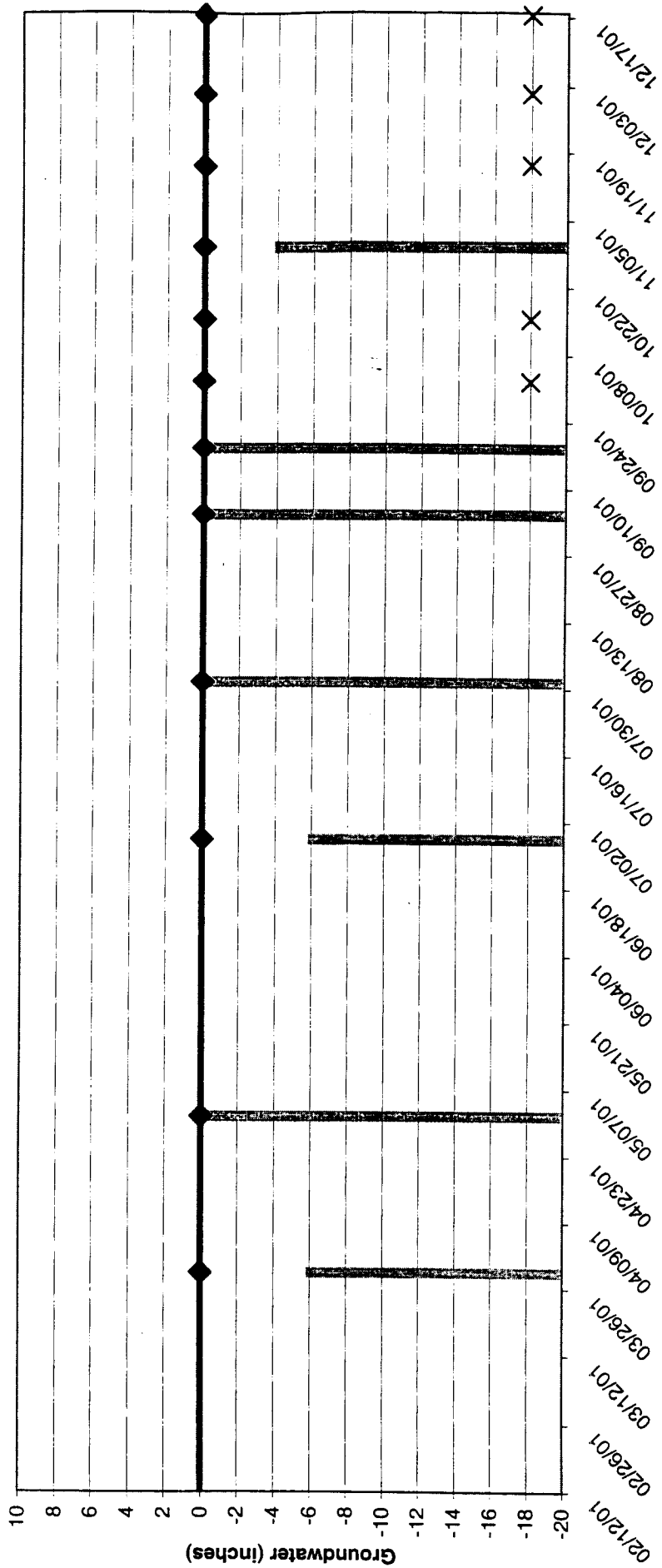


**Preconstruction Hydrologic Measurement of
 Groundwater, Saturated Soil, and Daily Precipitation
 Conditions at Borrow Areas, Well 30A.**

AR 031536

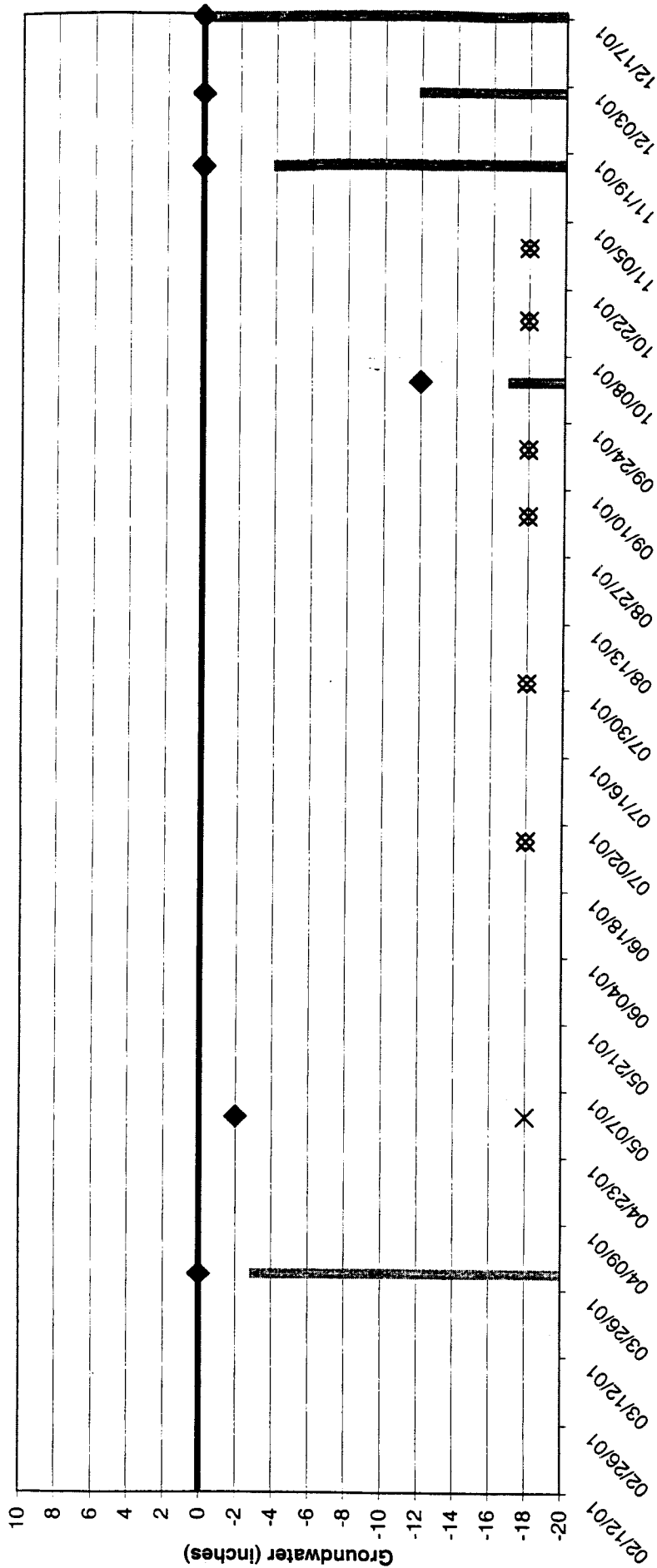
**HYDROLOGIC MONITORING IN WETLANDS LOCATED NEAR THE
TYEE VALLEY GOLF COURSE**

AR 031537

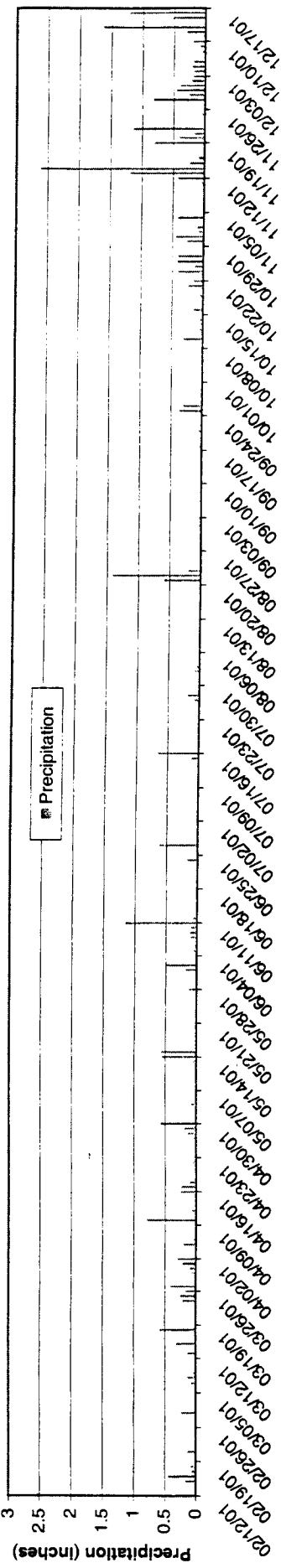


Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Golf Course, Well 52.

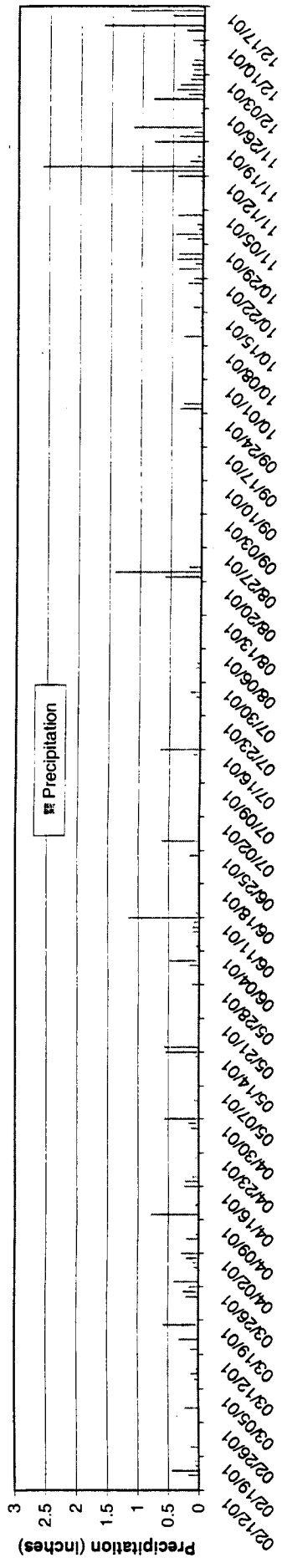
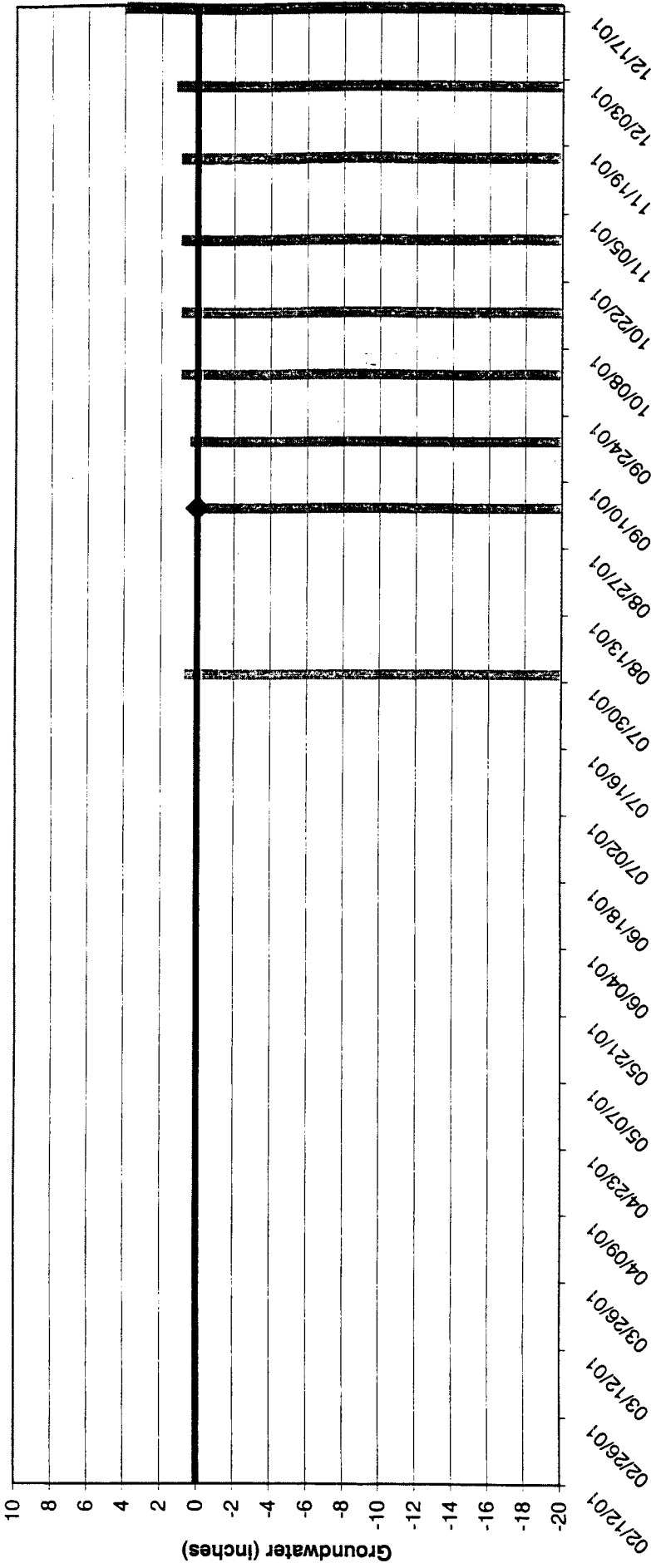
AR 031538



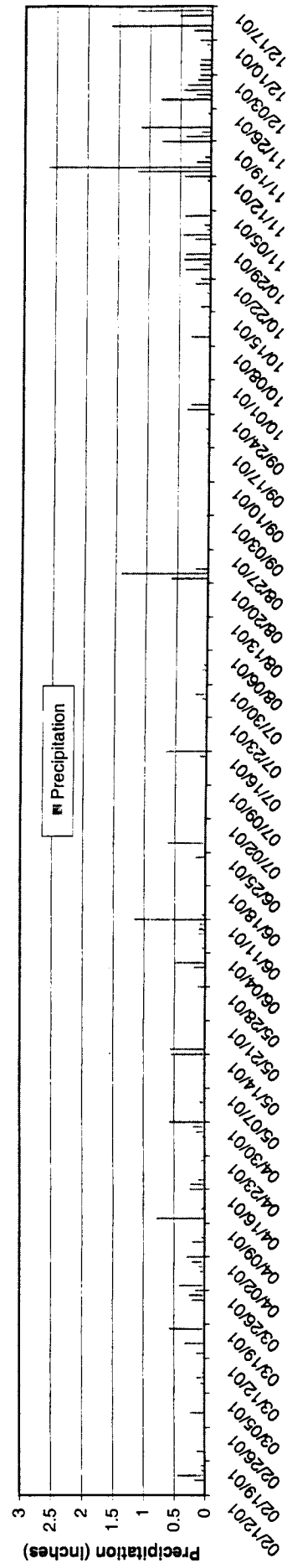
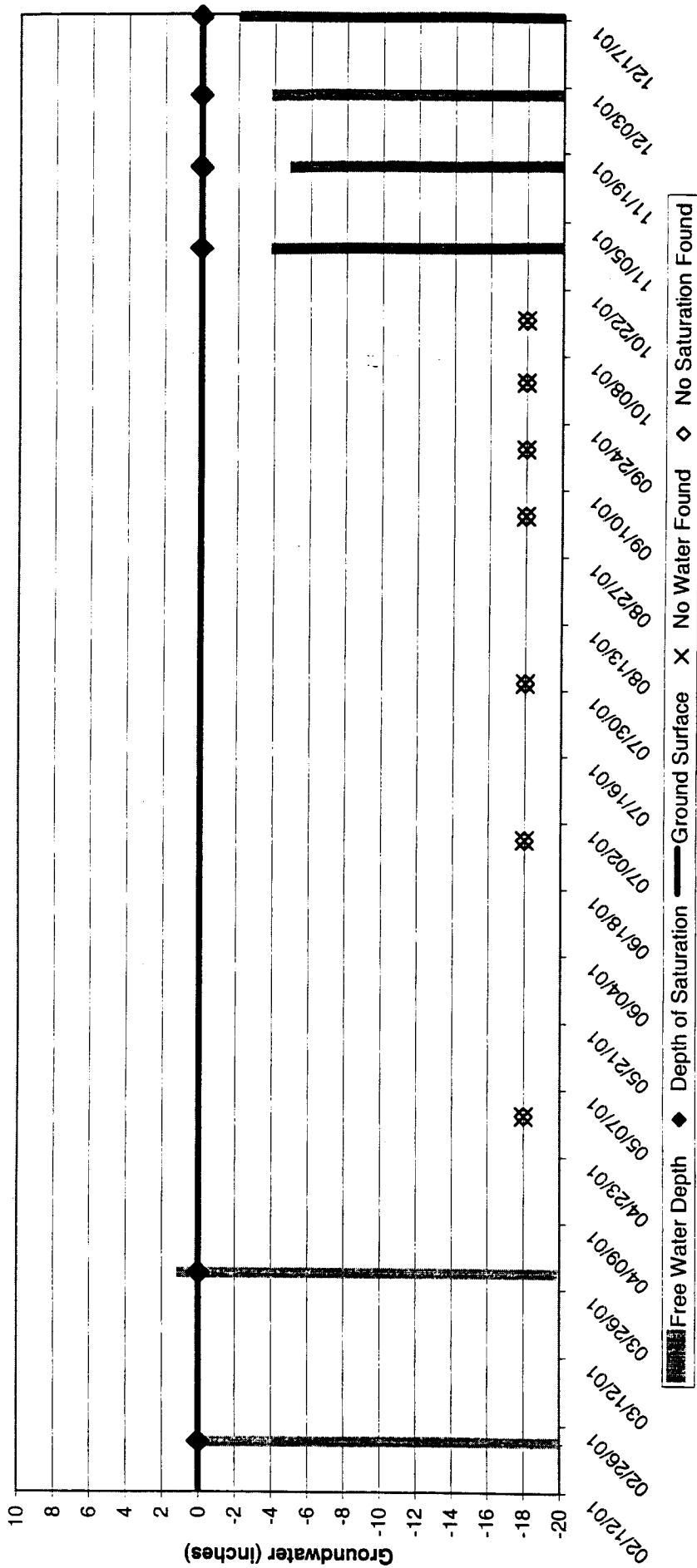
Free Water Depth
 Depth of Saturation
 Ground Surface
 No Water Found
 No Saturation Found



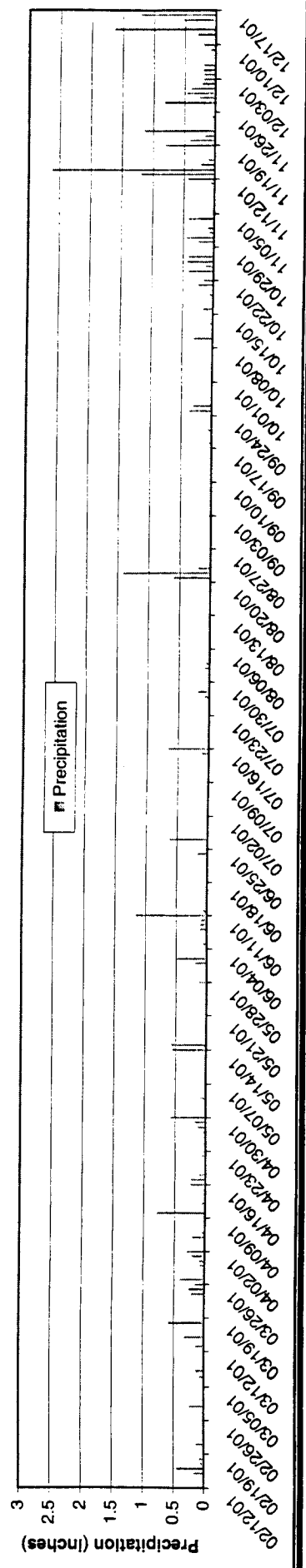
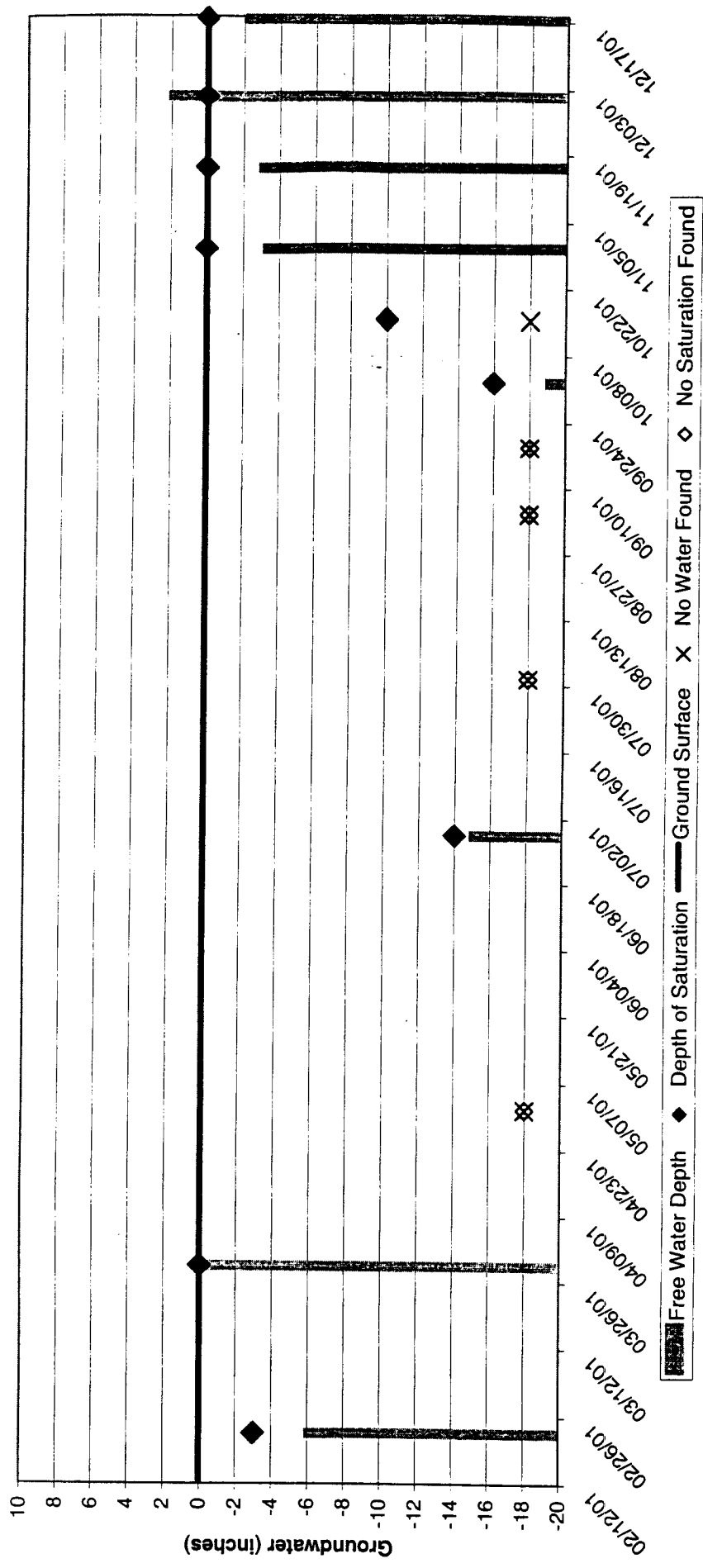
**Preconstruction Hydrologic Measurement of
 Groundwater, Saturated Soil, and Daily Precipitation
 Conditions at Golf Course, Well G5.**



Preconstruction Hydrologic Measurement of
Groundwater, Saturated Soil, and Daily Precipitation
Conditions at Water A.

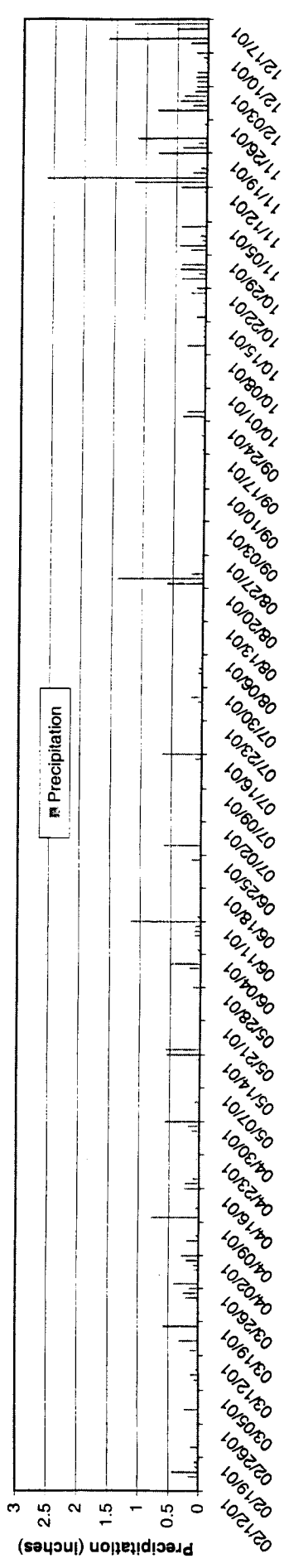
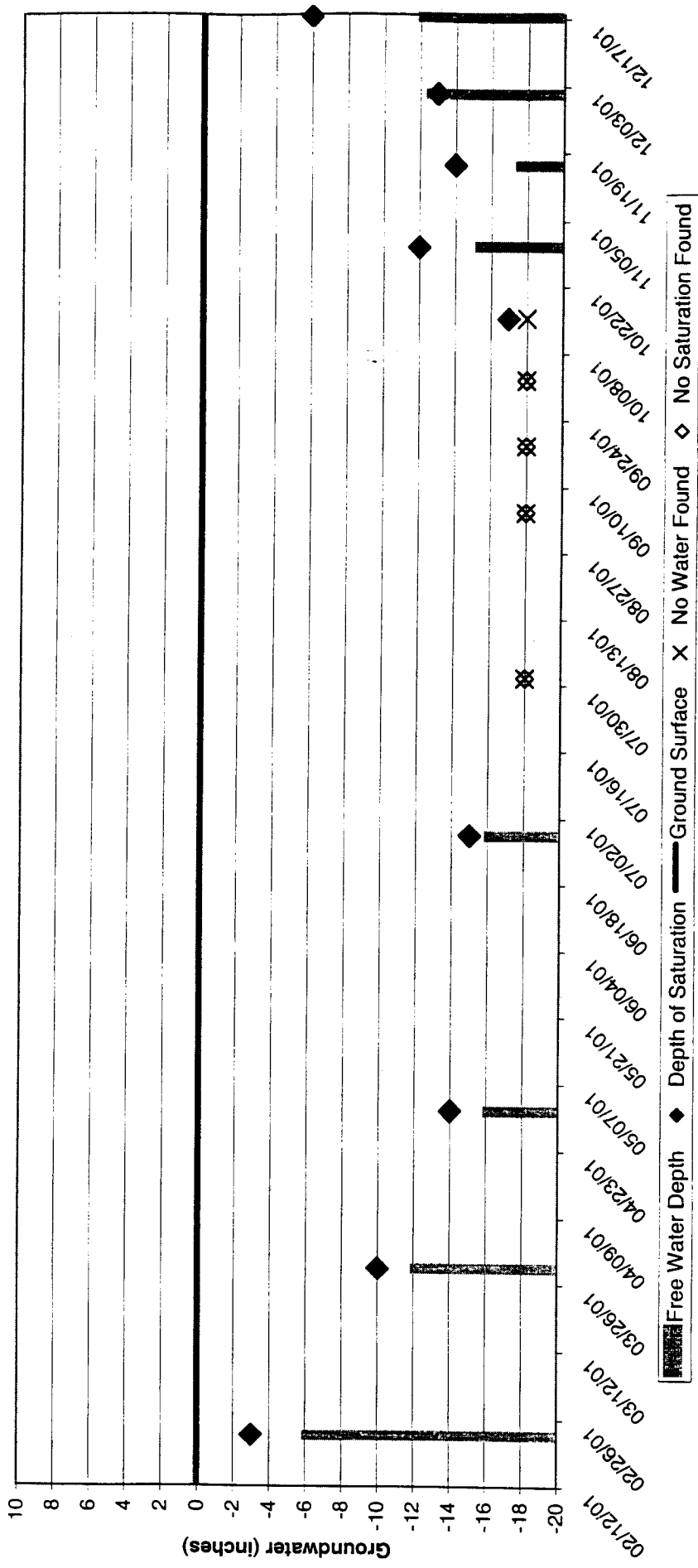


Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland 28, Well 28-1.



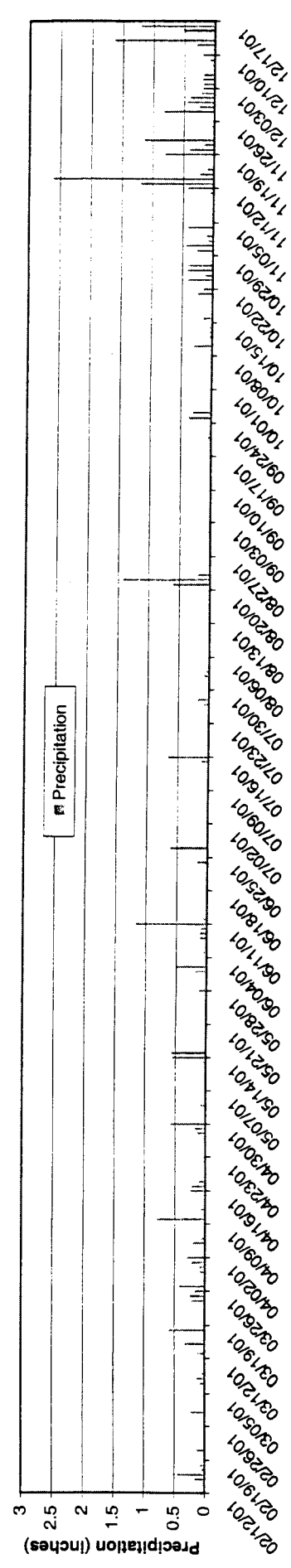
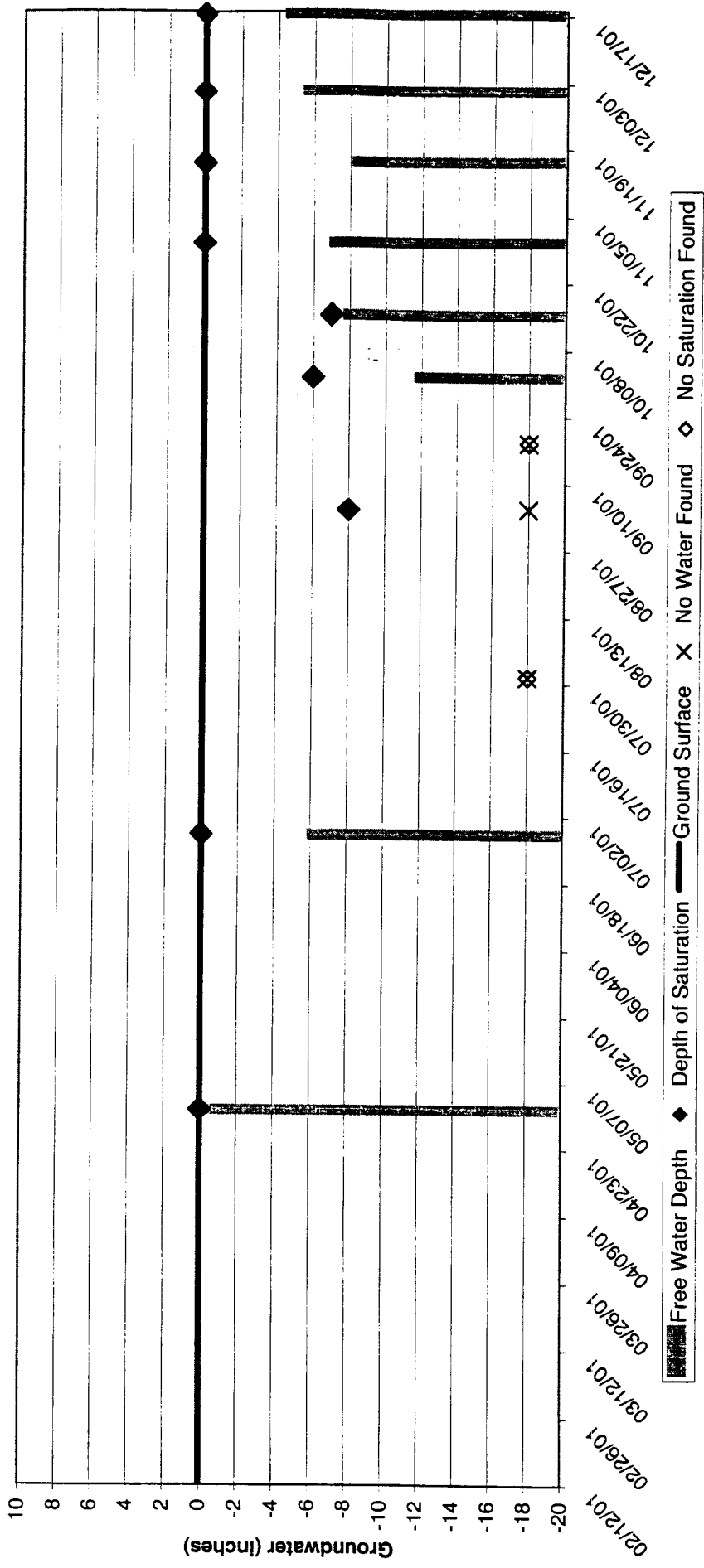
Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation, Conditions at Wetland 28, Well 28-2.

AR 031542



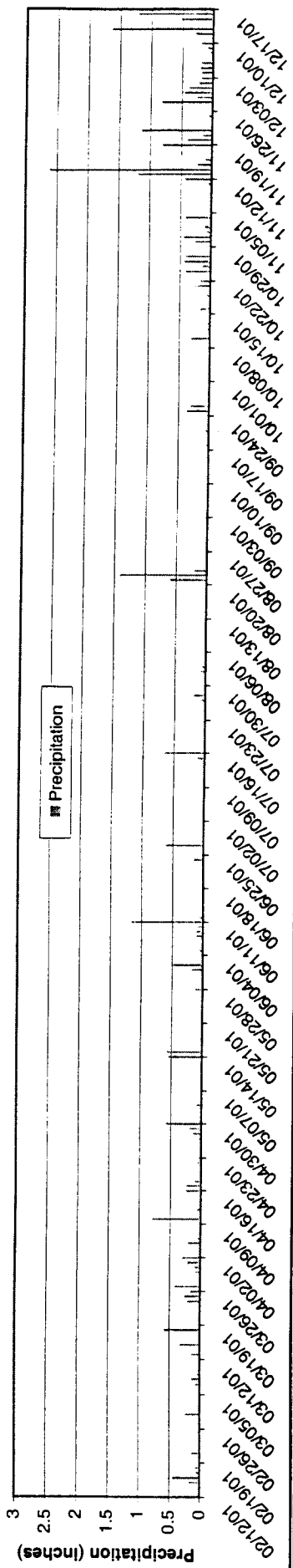
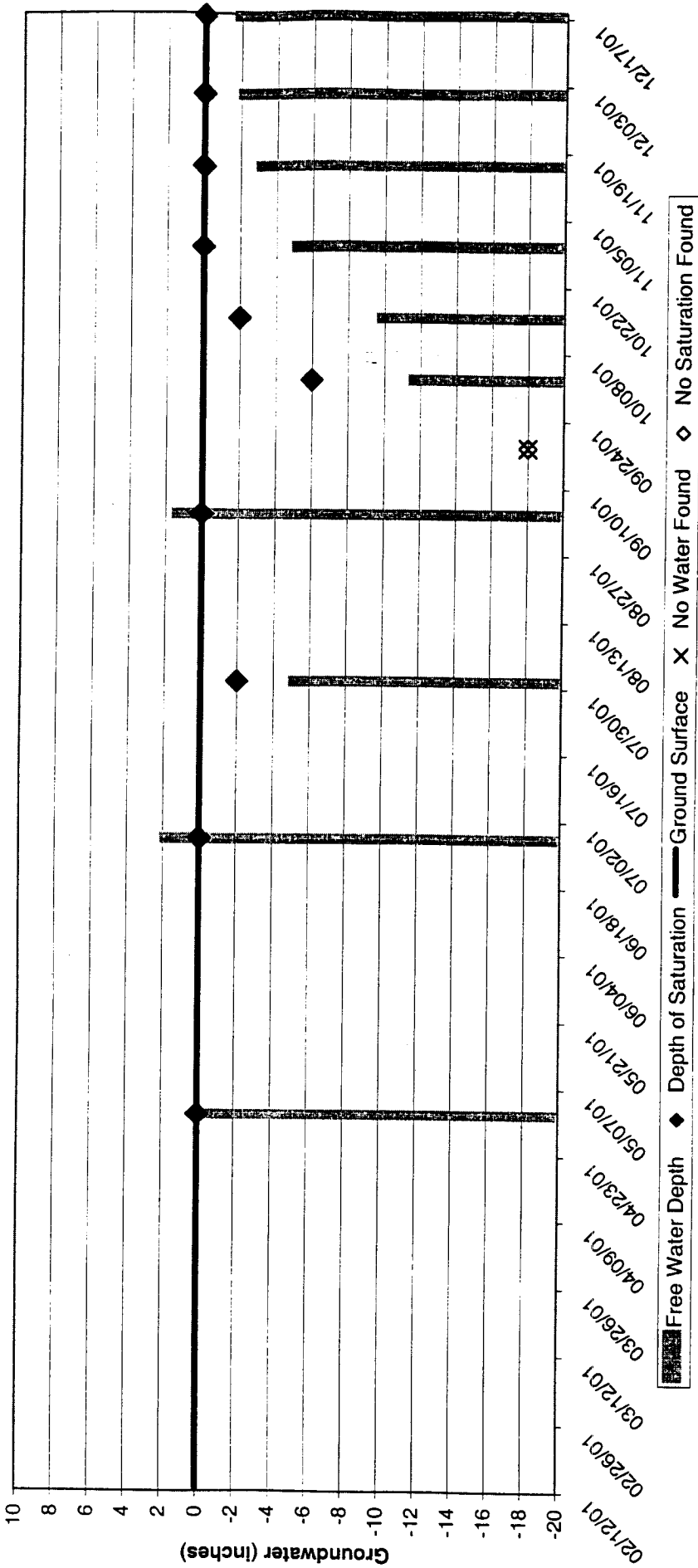
Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland 28, Well 28-3.

AR 031543



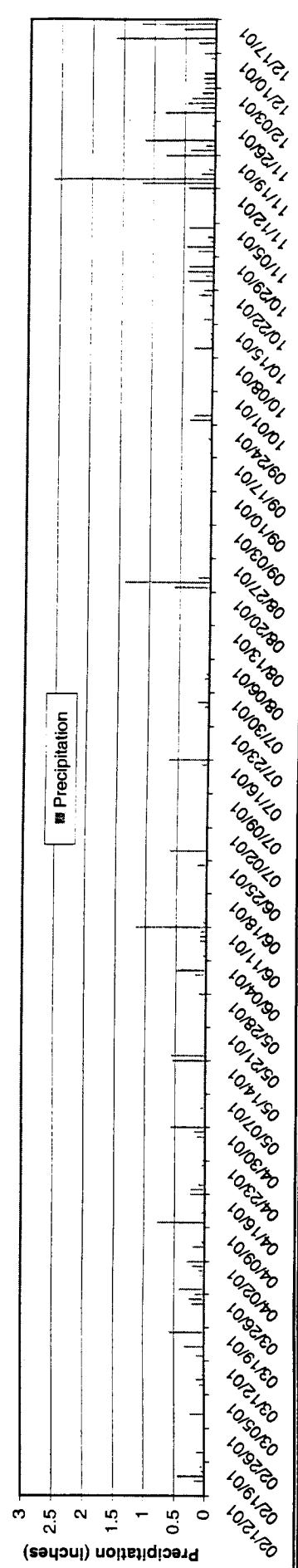
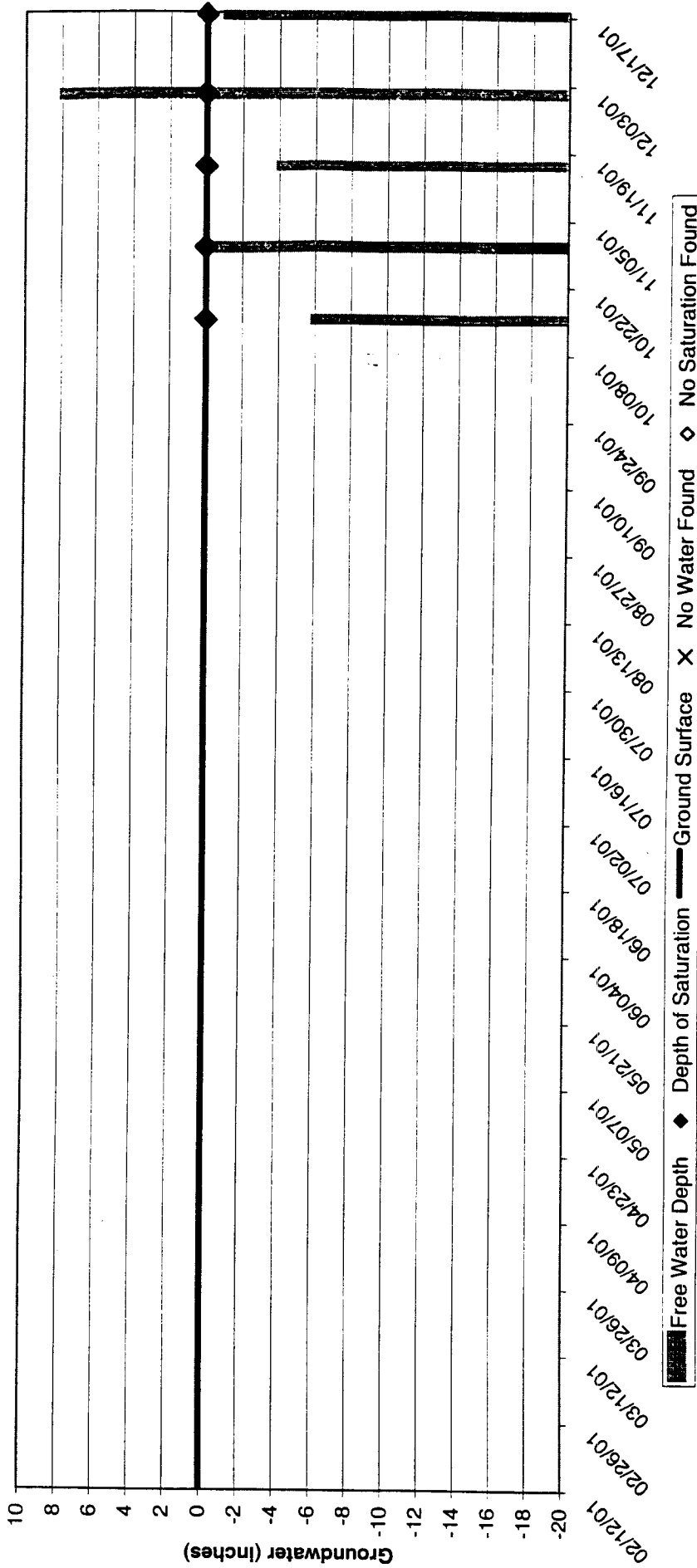
Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland 28, Well 28-4.

AR 031544



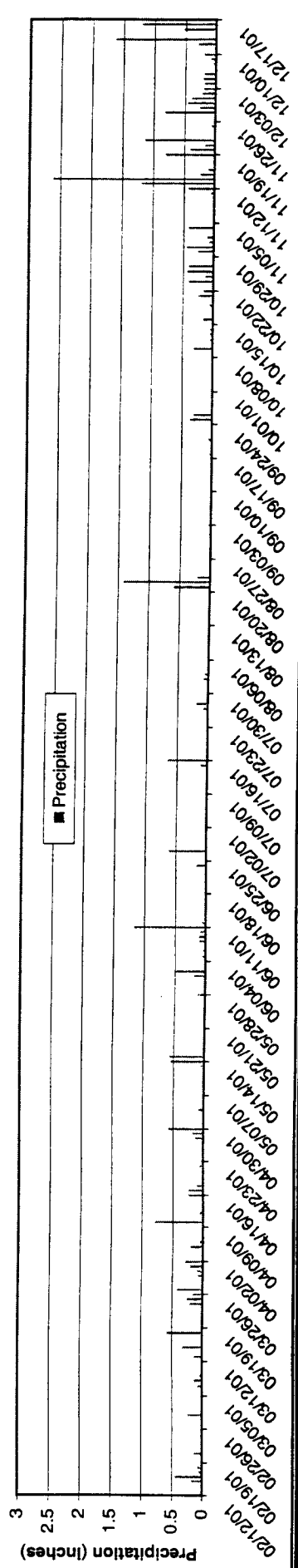
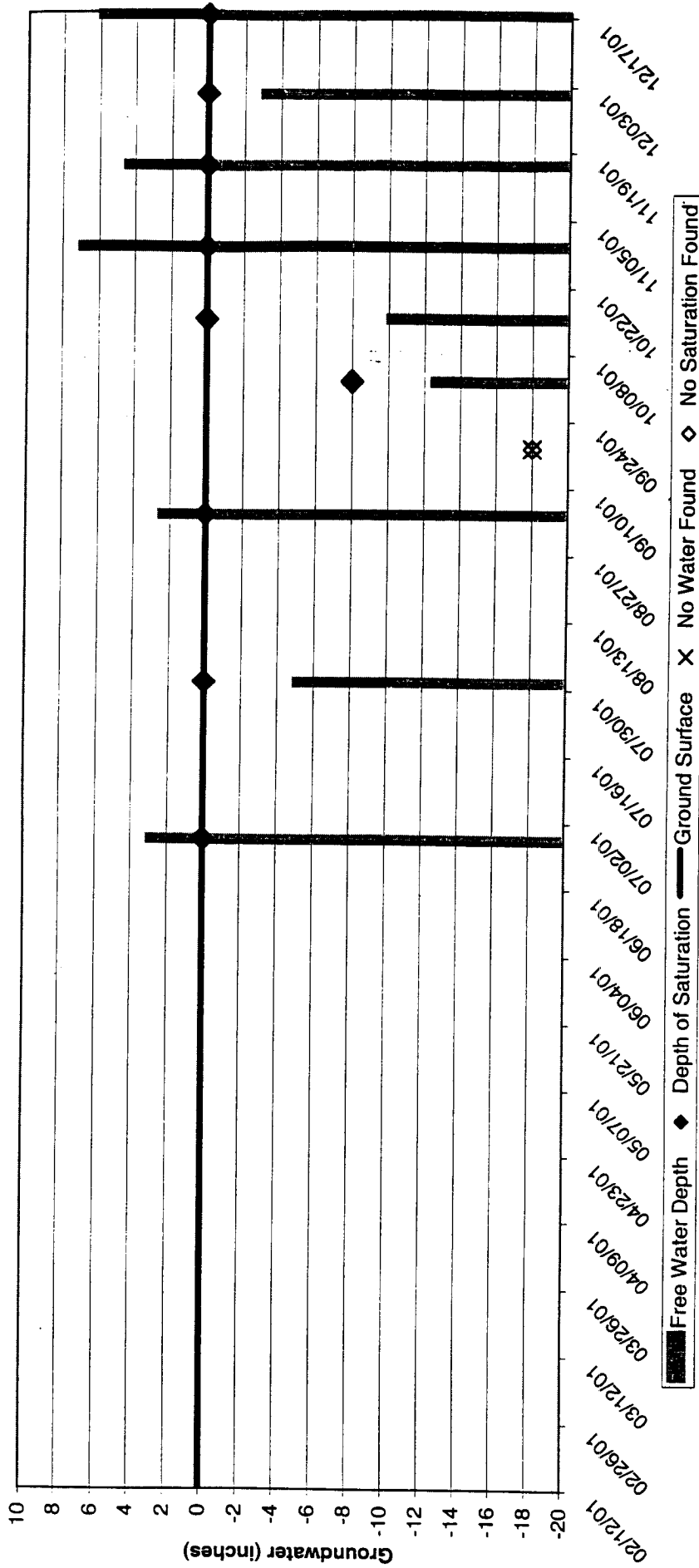
Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland 28, Well 28-5.

AR 031545



Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland 28, Well 28-6.

AR 031546



Preconstruction Hydrologic Measurement of Groundwater, Saturated Soil, and Daily Precipitation Conditions at Wetland 28, Well 28-6a.

AR 031547