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Waterways Experiment
Station

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February 1994

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Demonstration Erosion Control Project Monitoring Program

Fiscal Year 1993 Report

Volume III: Appendix B

Hotophia Creek Watershed Profiles and Cross Sections

by *David D. Abraham, Wendy L. Johnson*
Hydraulics Laboratory

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Demonstration Erosion Control Project Monitoring Program

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Volume III: Appendix B Hotophia Creek Watershed Profiles and Cross Sections

by David D. Abraham, Wendy L. Johnson

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Waterways Experiment Station
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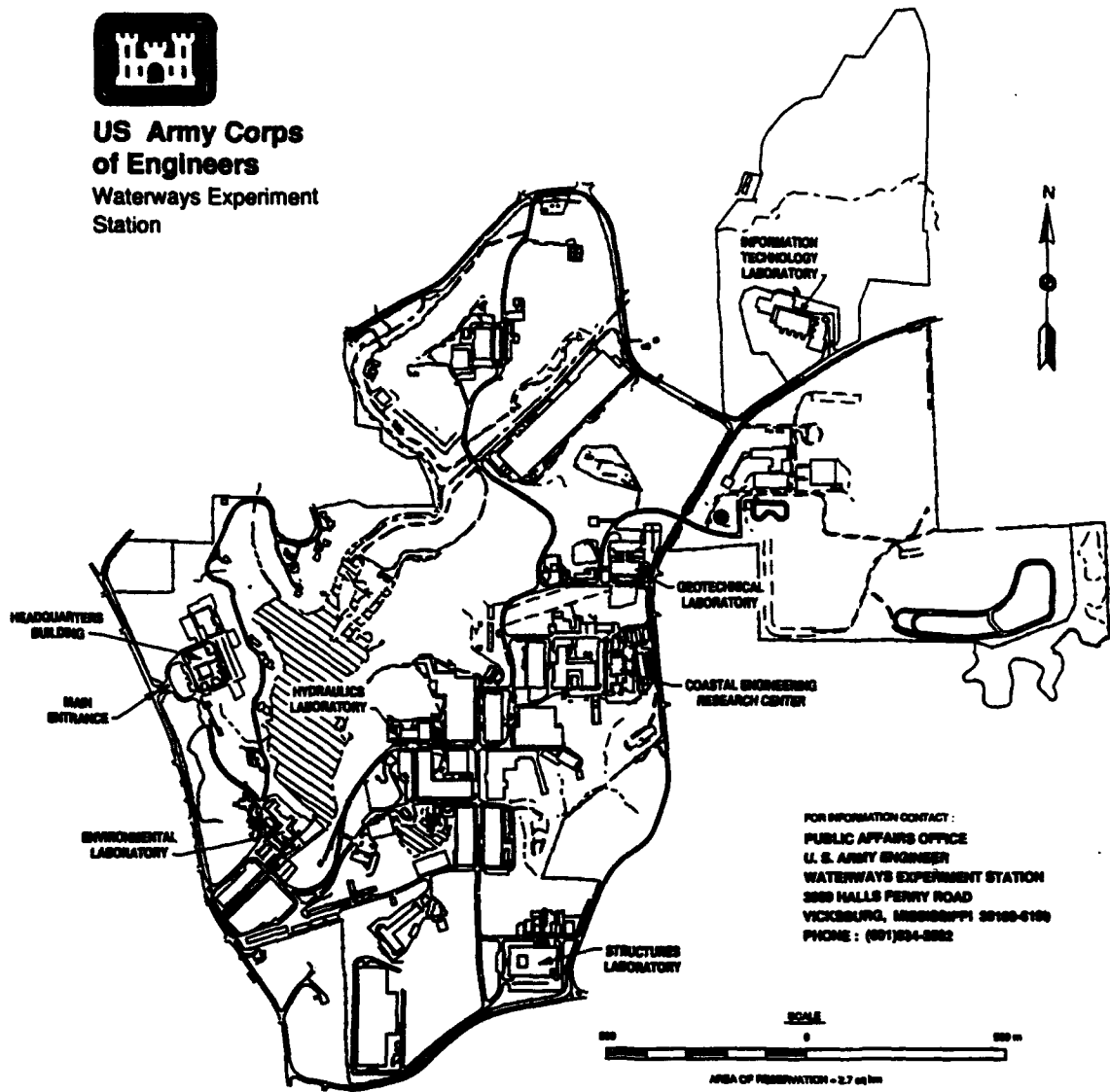
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**US Army Corps
of Engineers**
Waterways Experiment
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Appendix B

Hotophia Creek Watershed Profiles and Cross Sections

Channel Profiles

Comparisons of channel profiles in the Hotophia Creek watershed from 1977, 1985, and 1992 are shown in Plates B1-B8. The following channels are represented in these profile plots:

Creek	Plate
Hotophia	B1-B4
Harris	B5
Mill	B6
Deer	B7
Marcum	B8

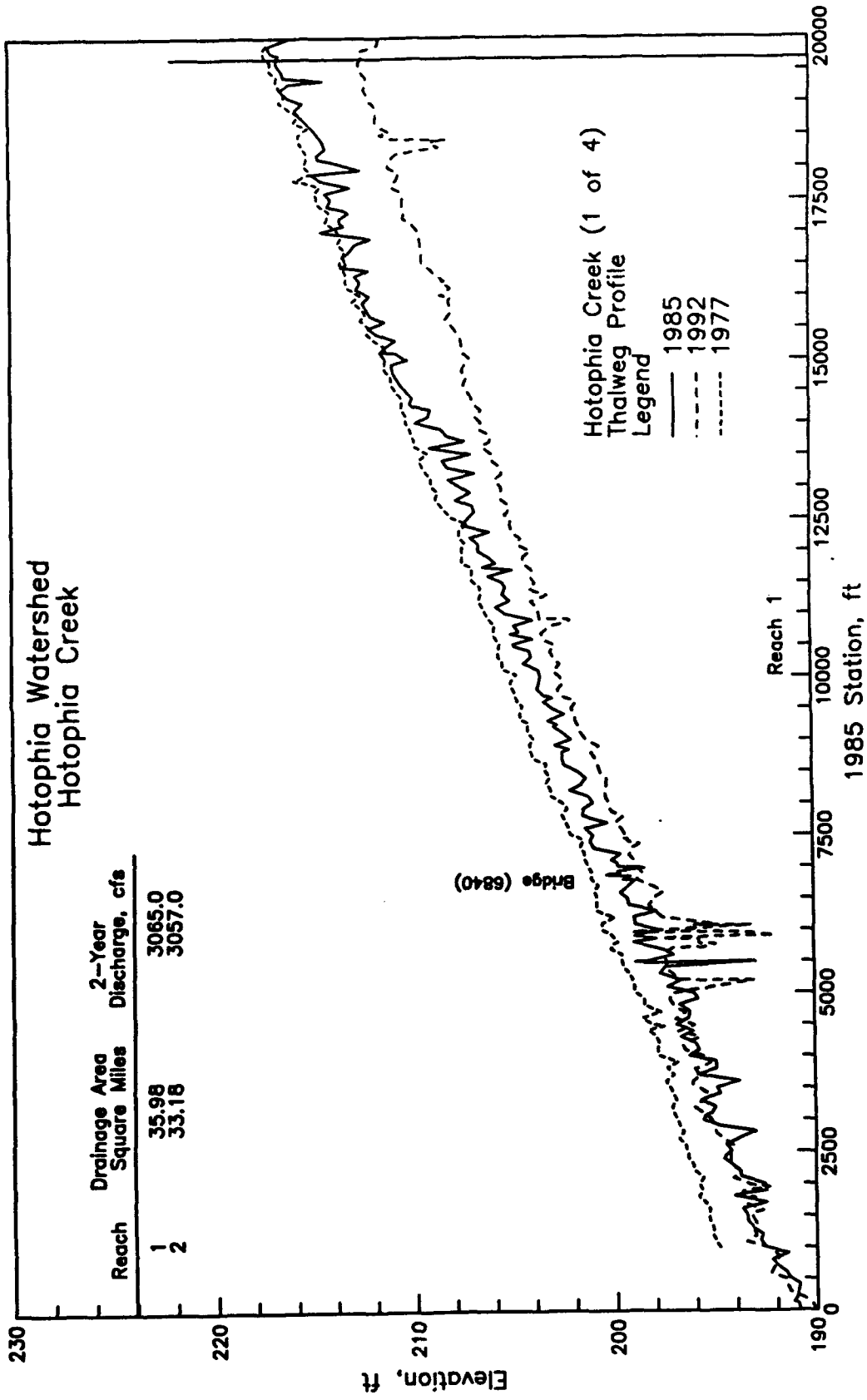
Channel Cross Sections

Comparisons of channel cross sections in the Hotophia Creek watershed from 1977, 1985, and 1992 are shown in Plates B9-B84. The following channels are represented in these cross-section plots:

Creek	Plate
Hotophia	B9-B64
Harris	B65-B67
Mill	B68-B70
Deer	B71-B77
Marcum	B78-B84

Hotophia Watershed
Hotophia Creek

Reach	Drainage Area Square Miles	2-Year Discharge, cfs
1	35.98	3065.0
2	33.16	3057.0



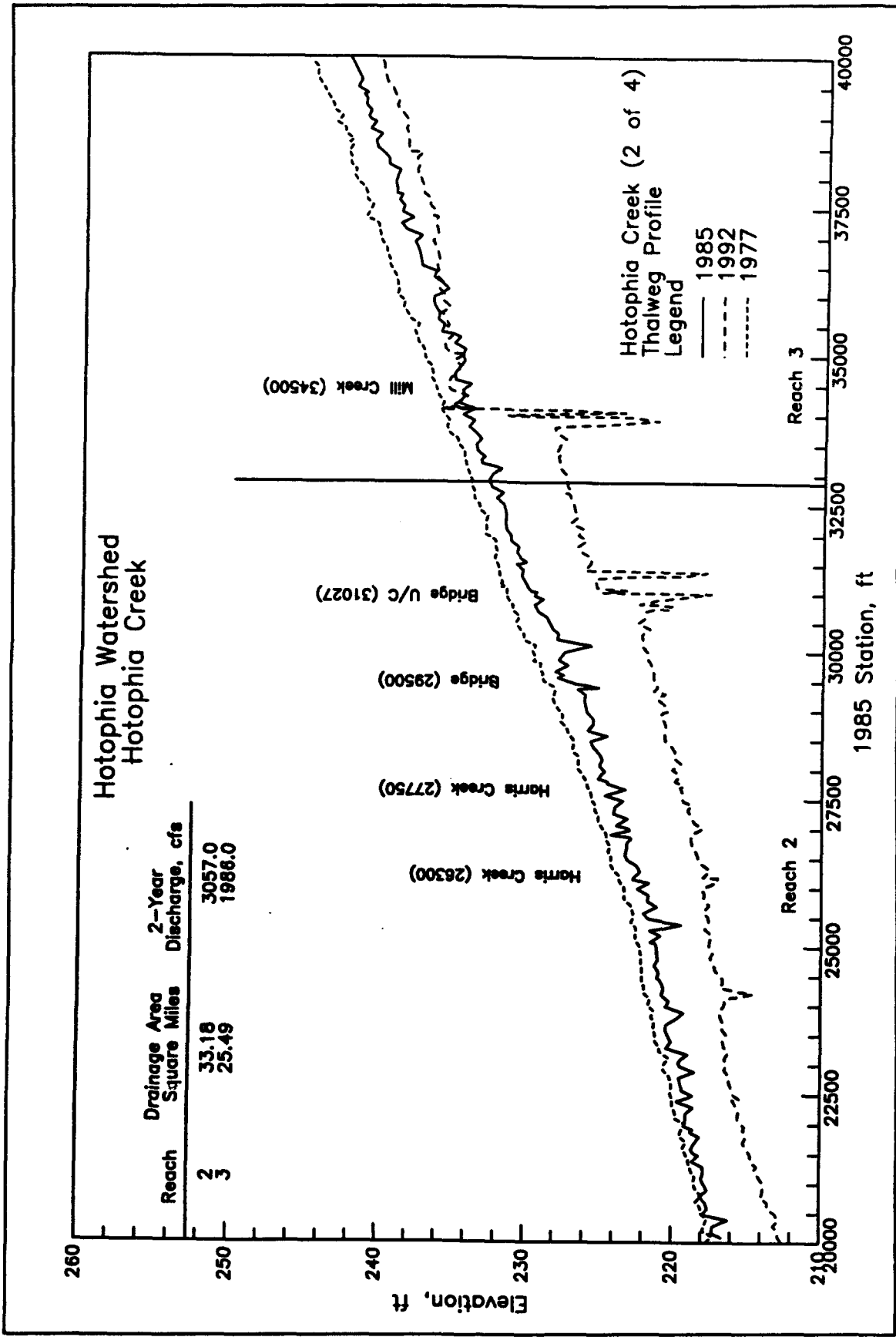
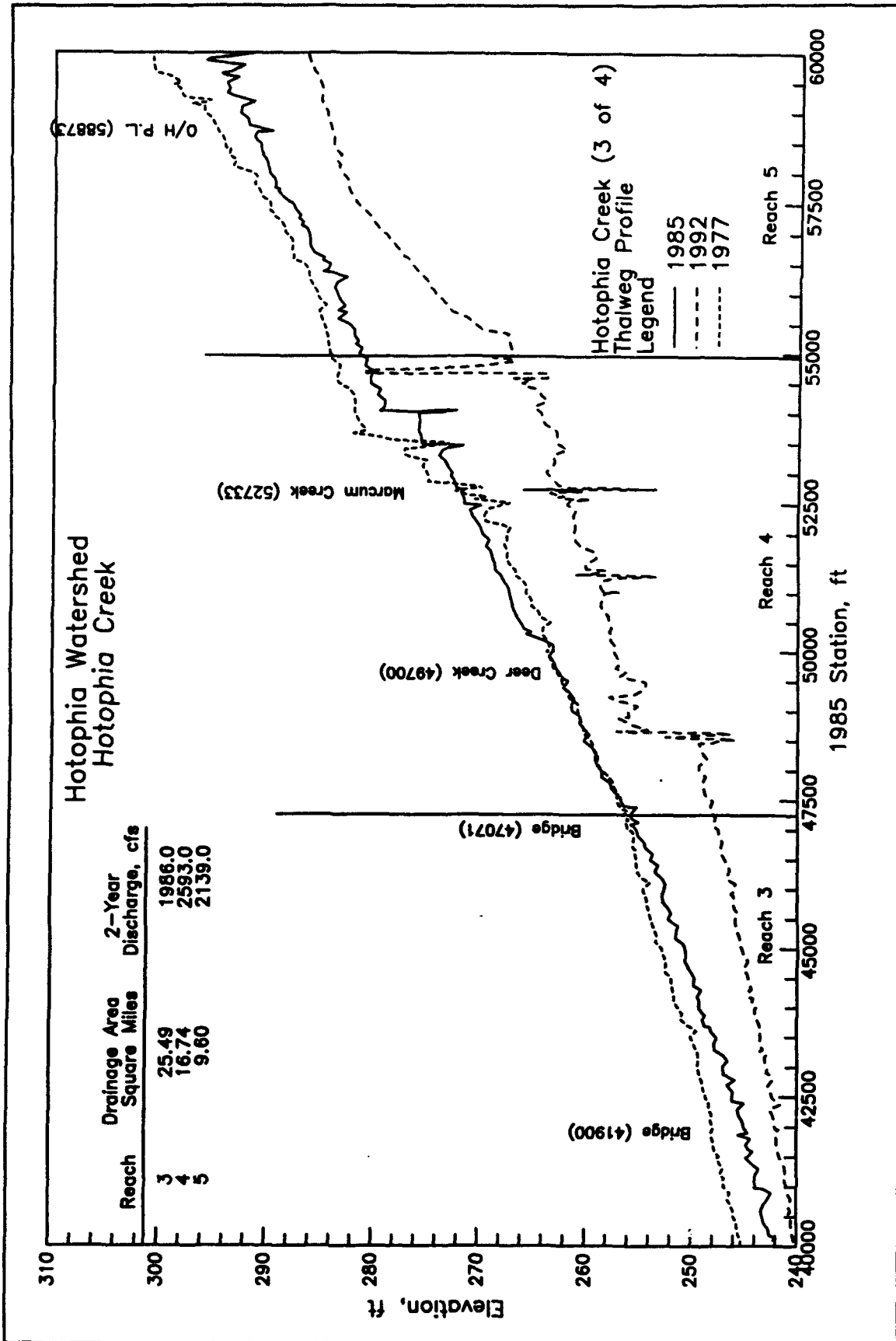


Plate B2



Hotophia Watershed
Hotophia Creek

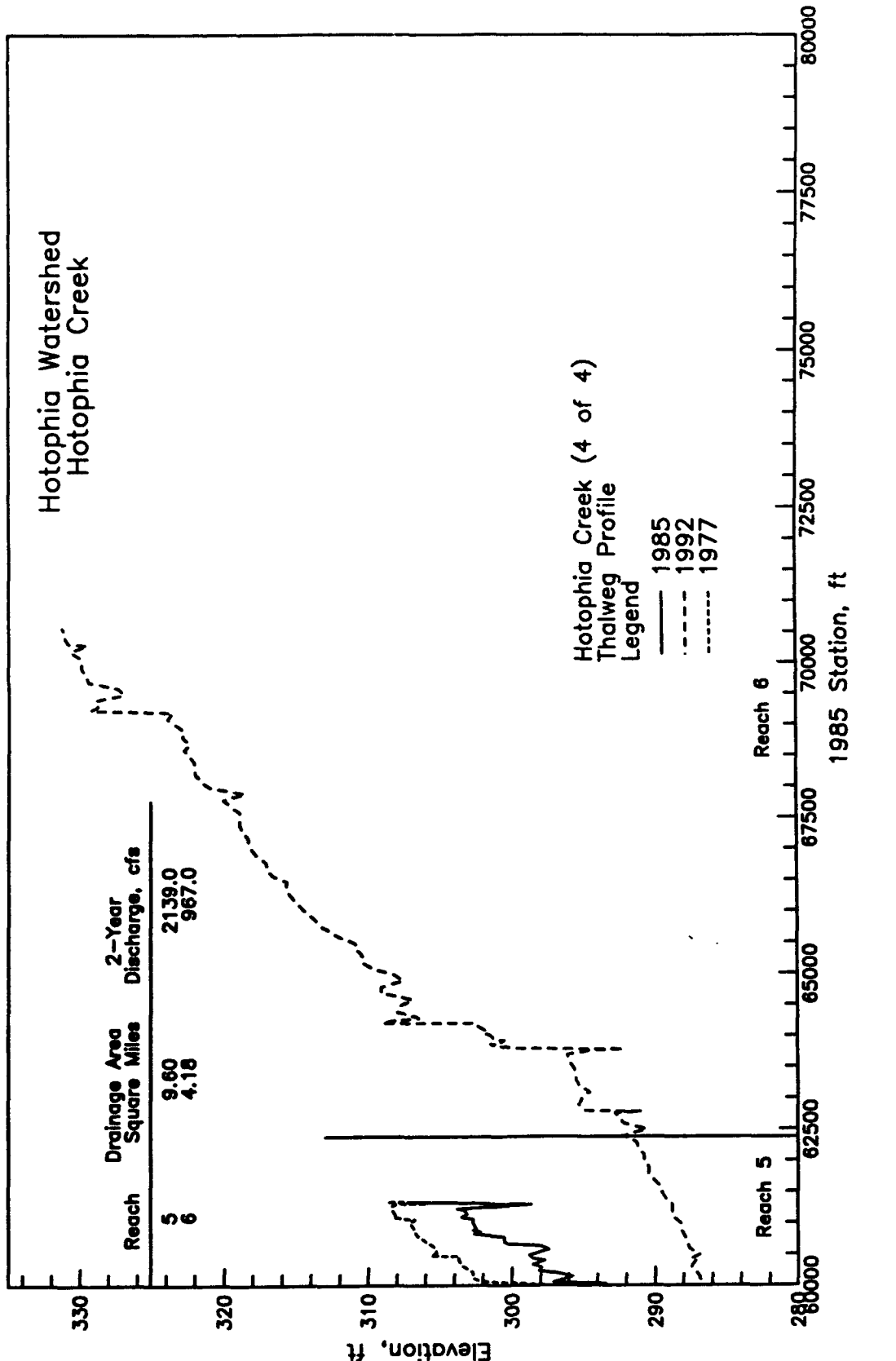


Plate B4

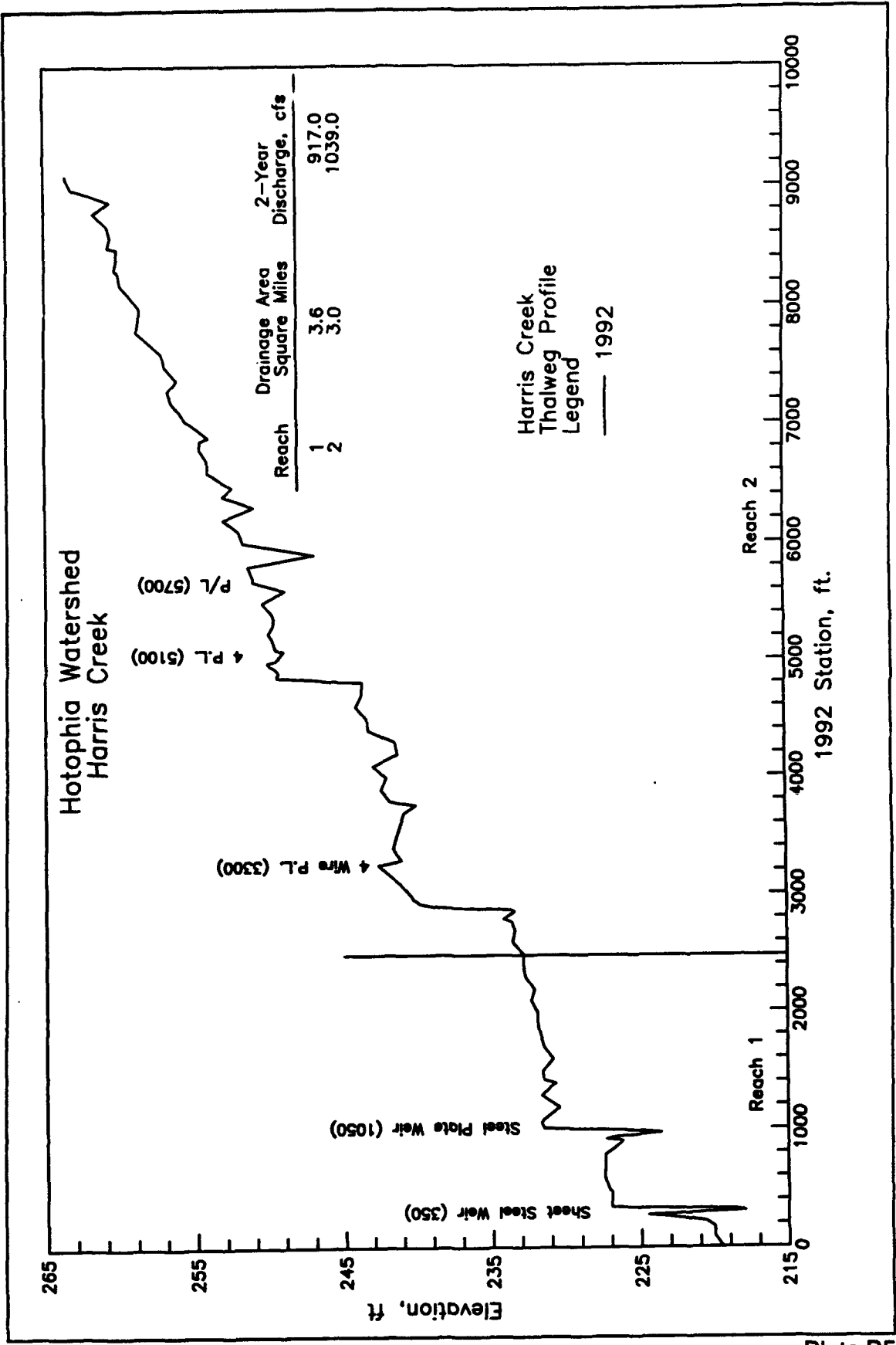


Plate B5

Hotophia Watershed Mill Creek

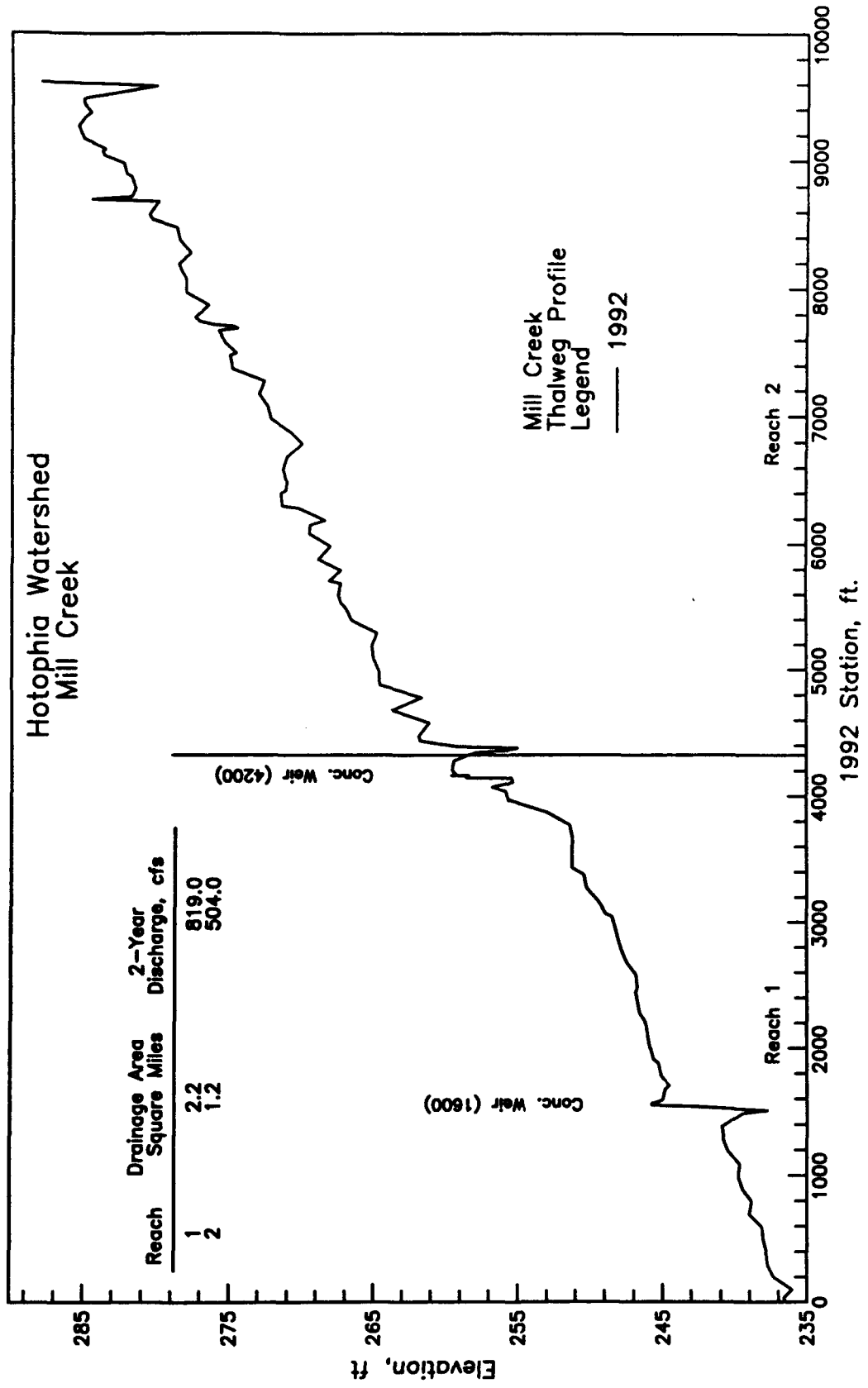
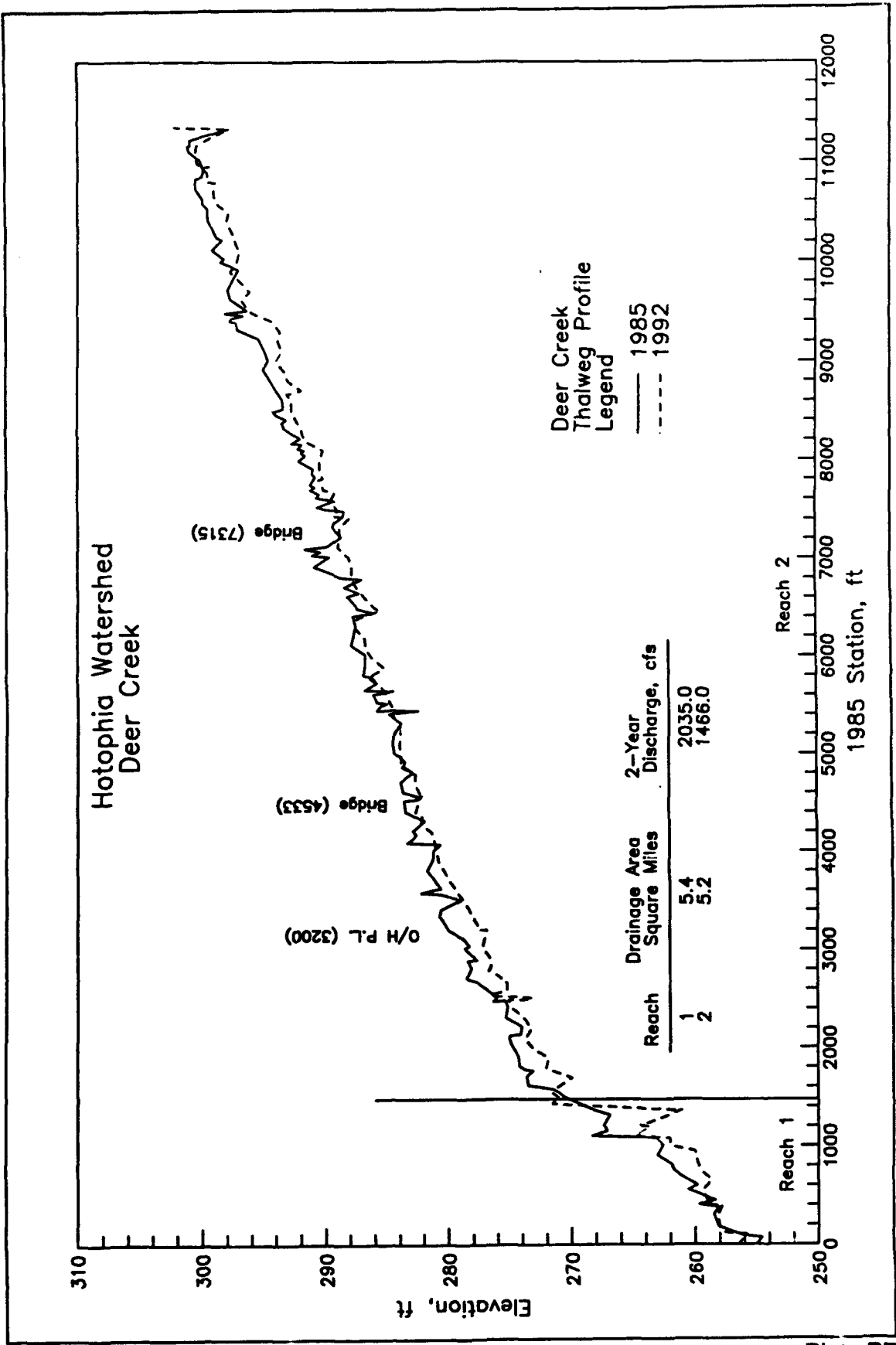


Plate B6



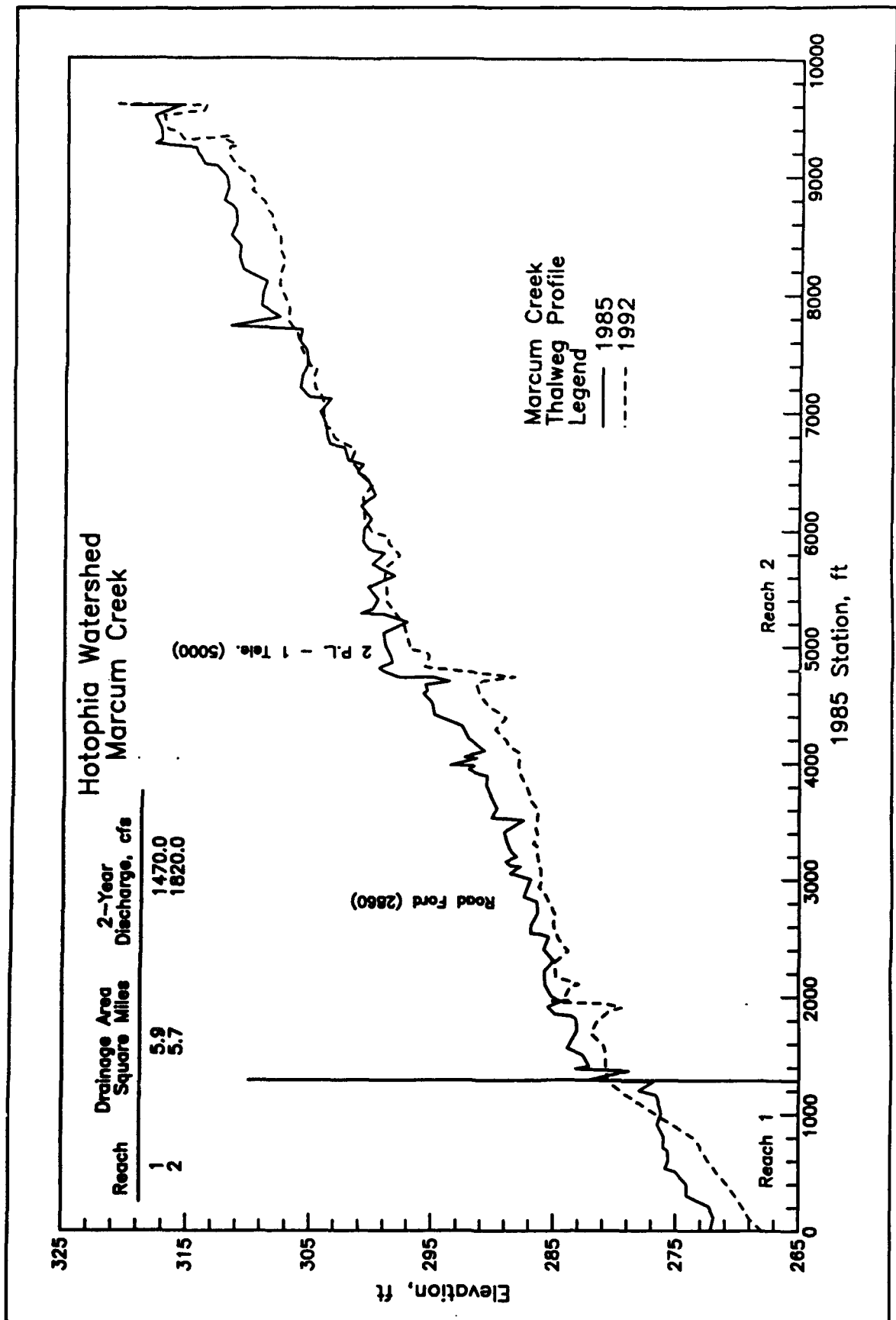
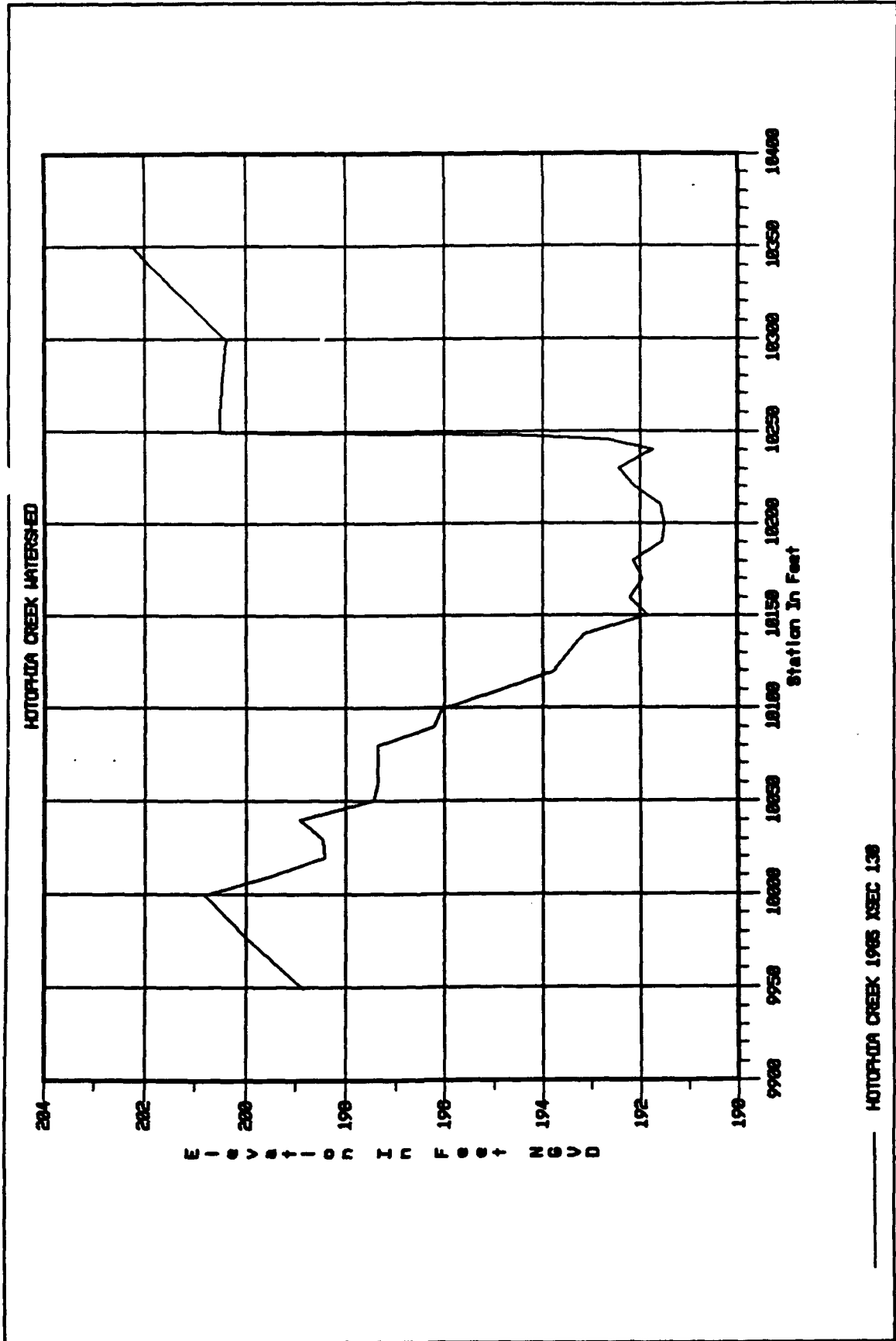


Plate B8



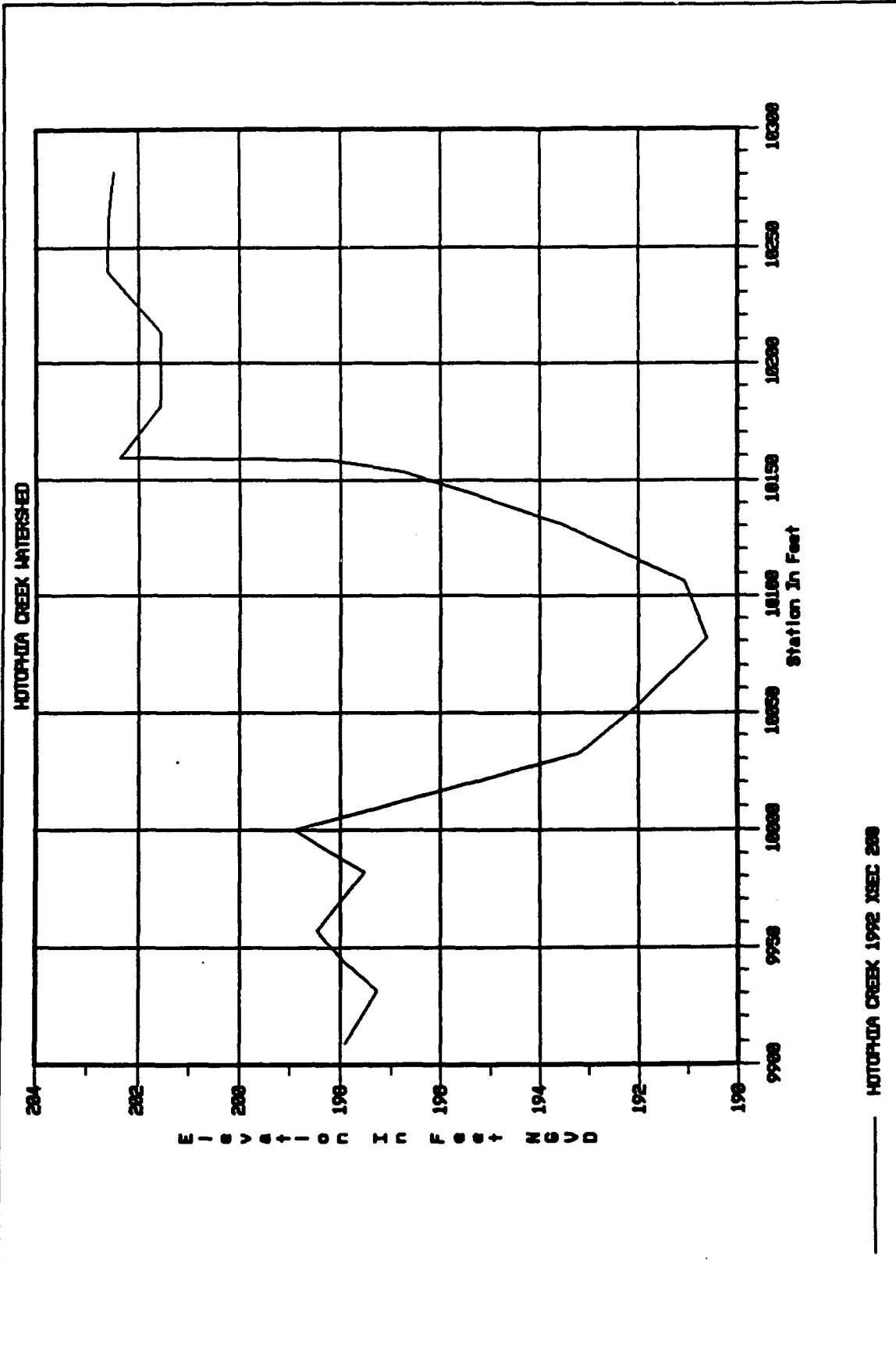


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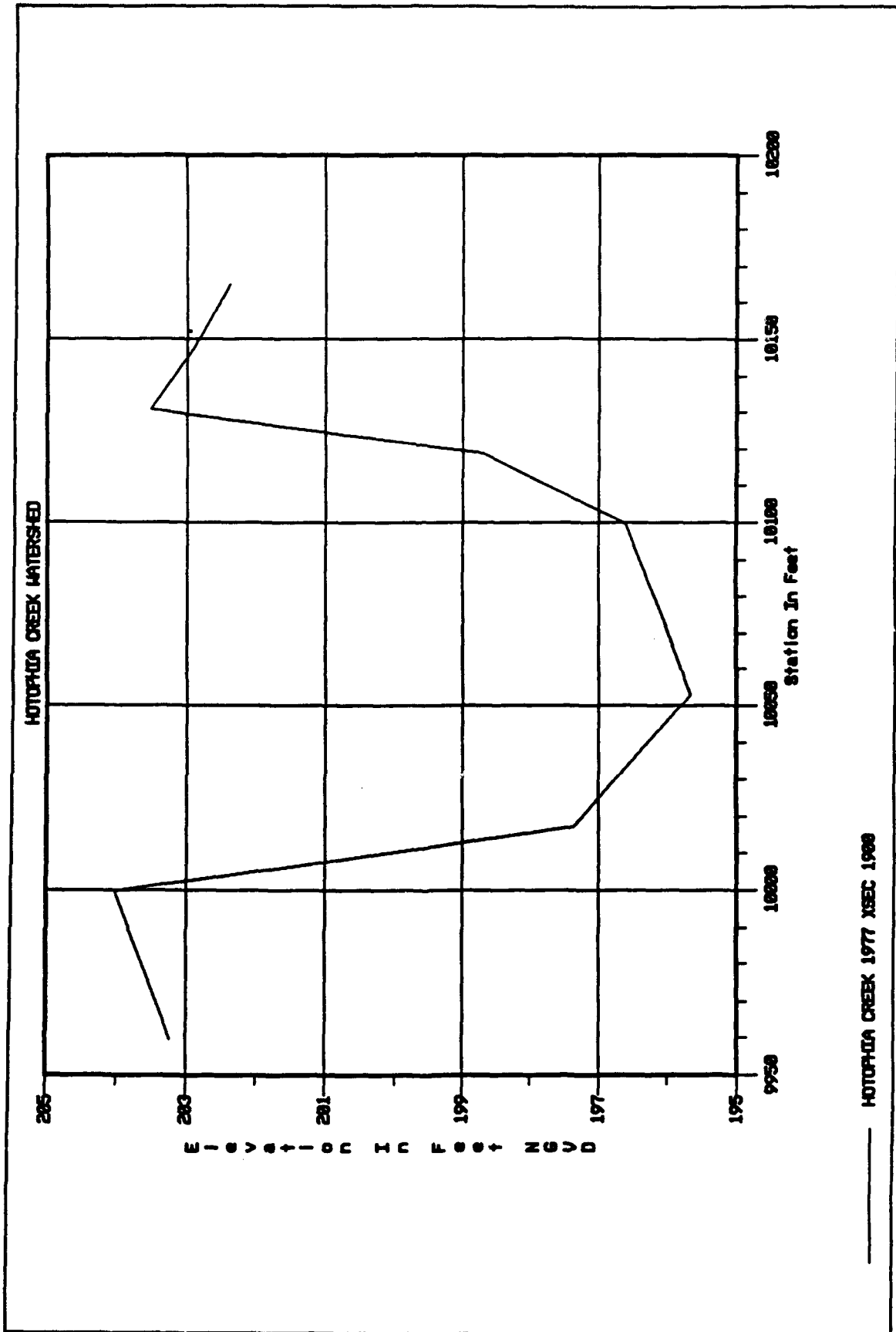


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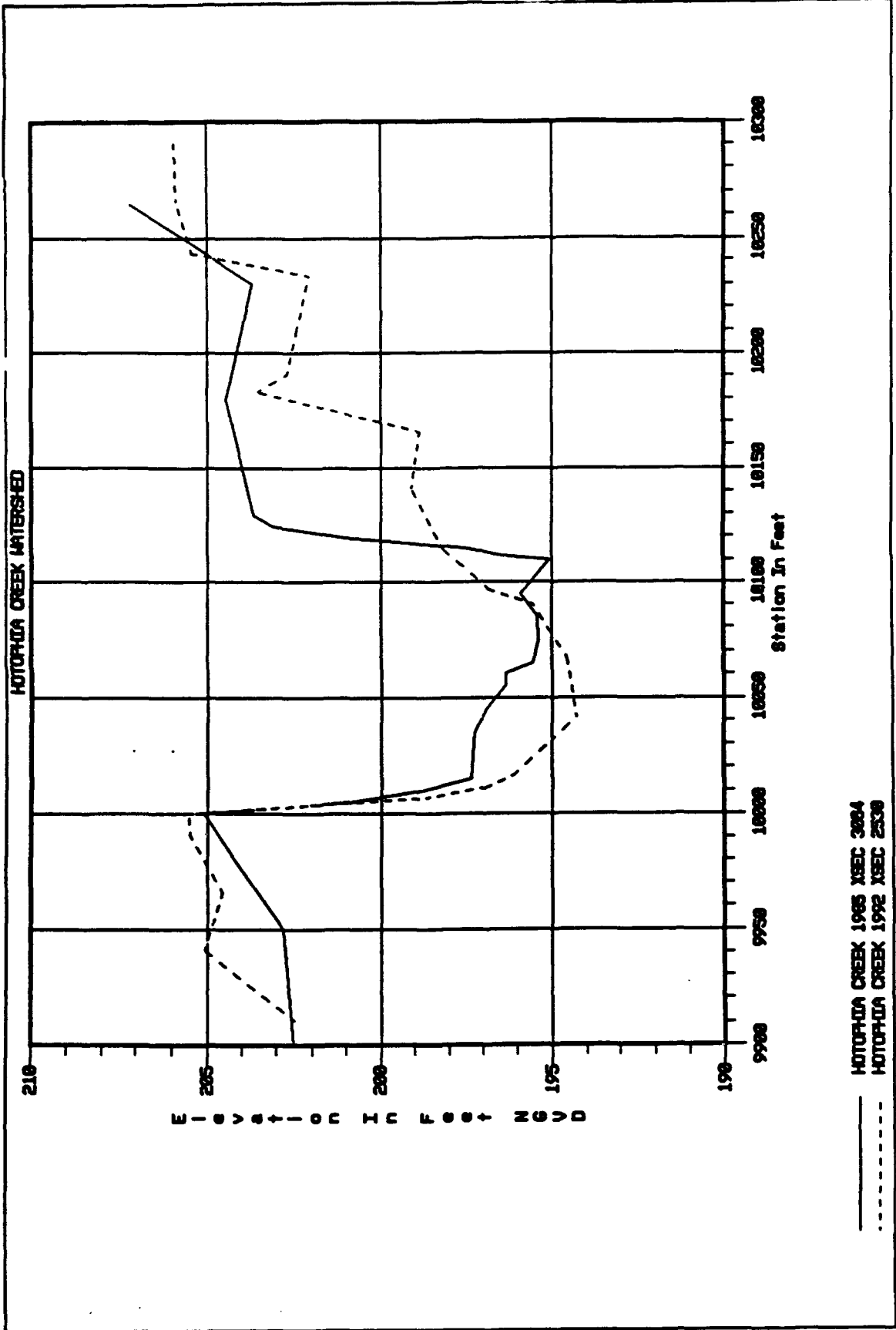


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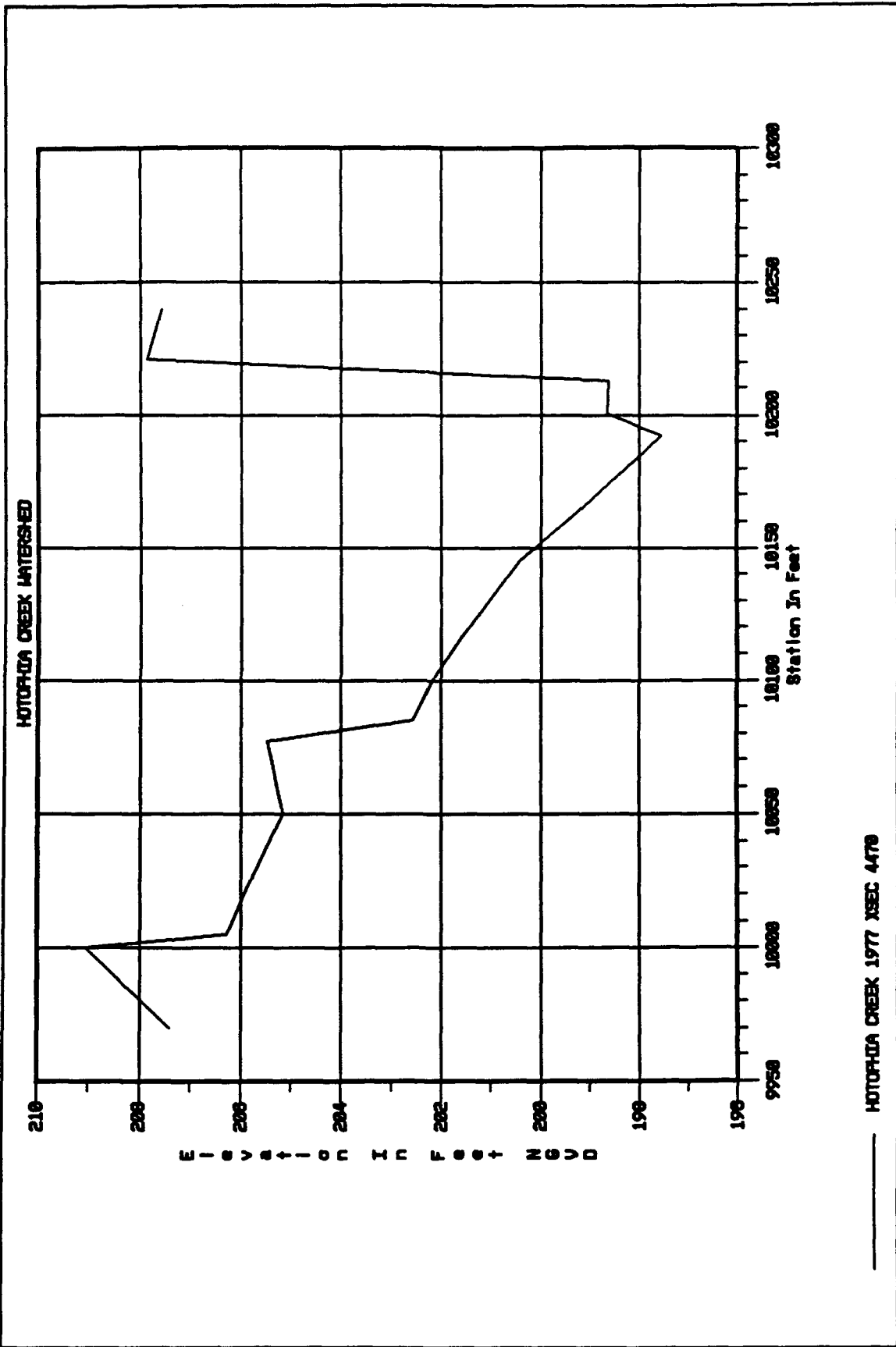
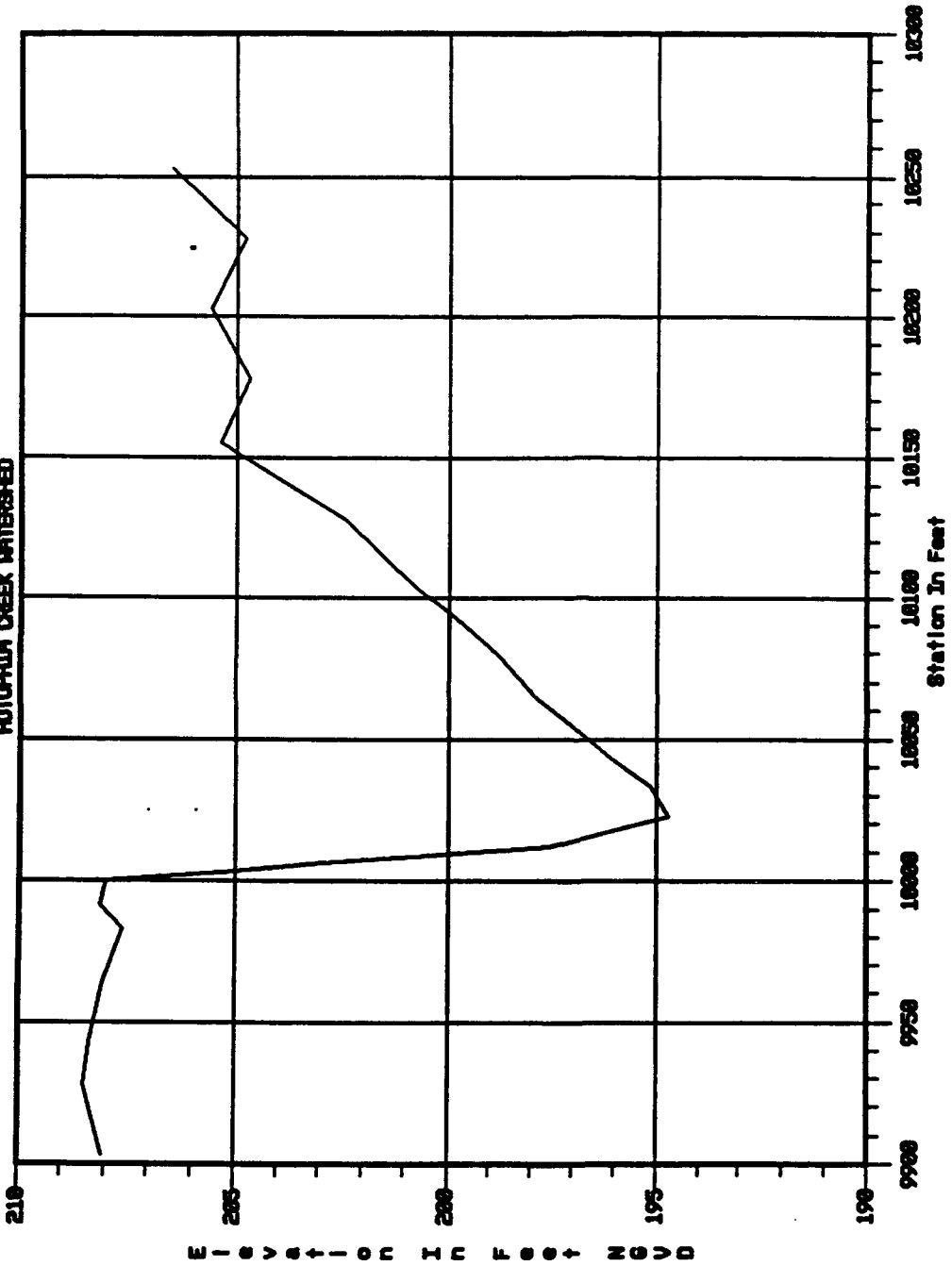


Plate B13

HOTOPHIA CREEK WATERSHED



————— HOTOPHIA CREEK 1992 XSEC 5119

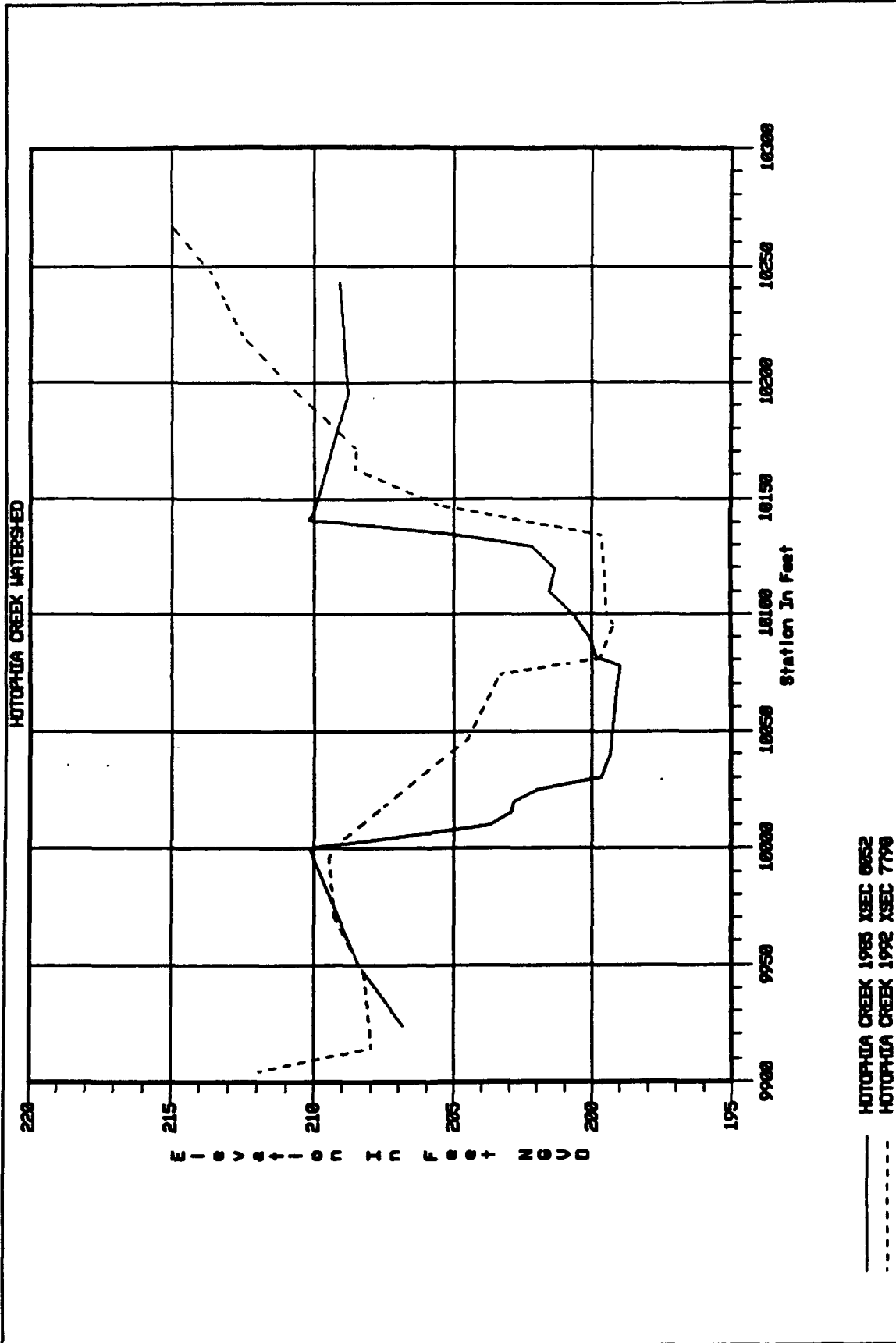
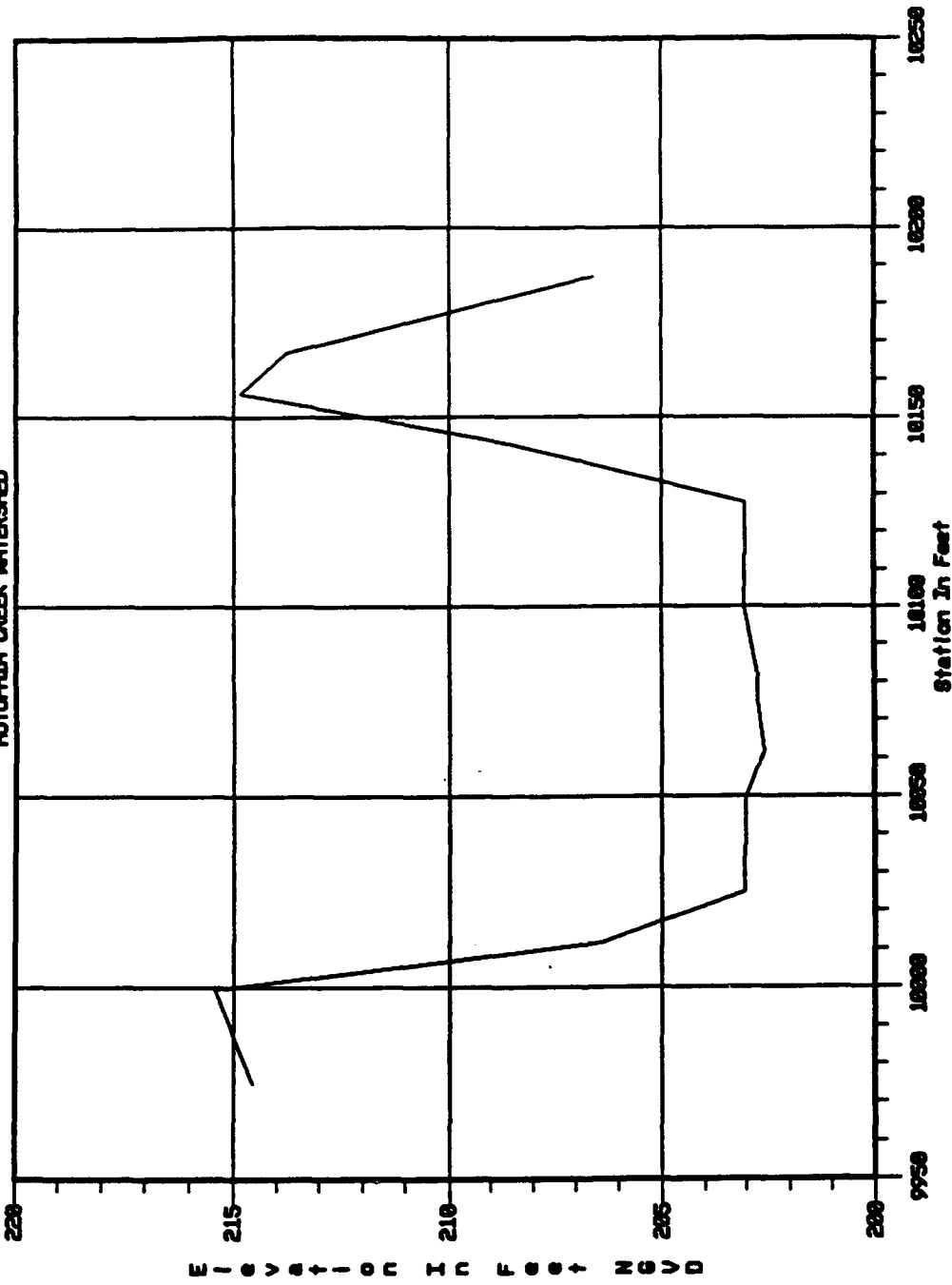


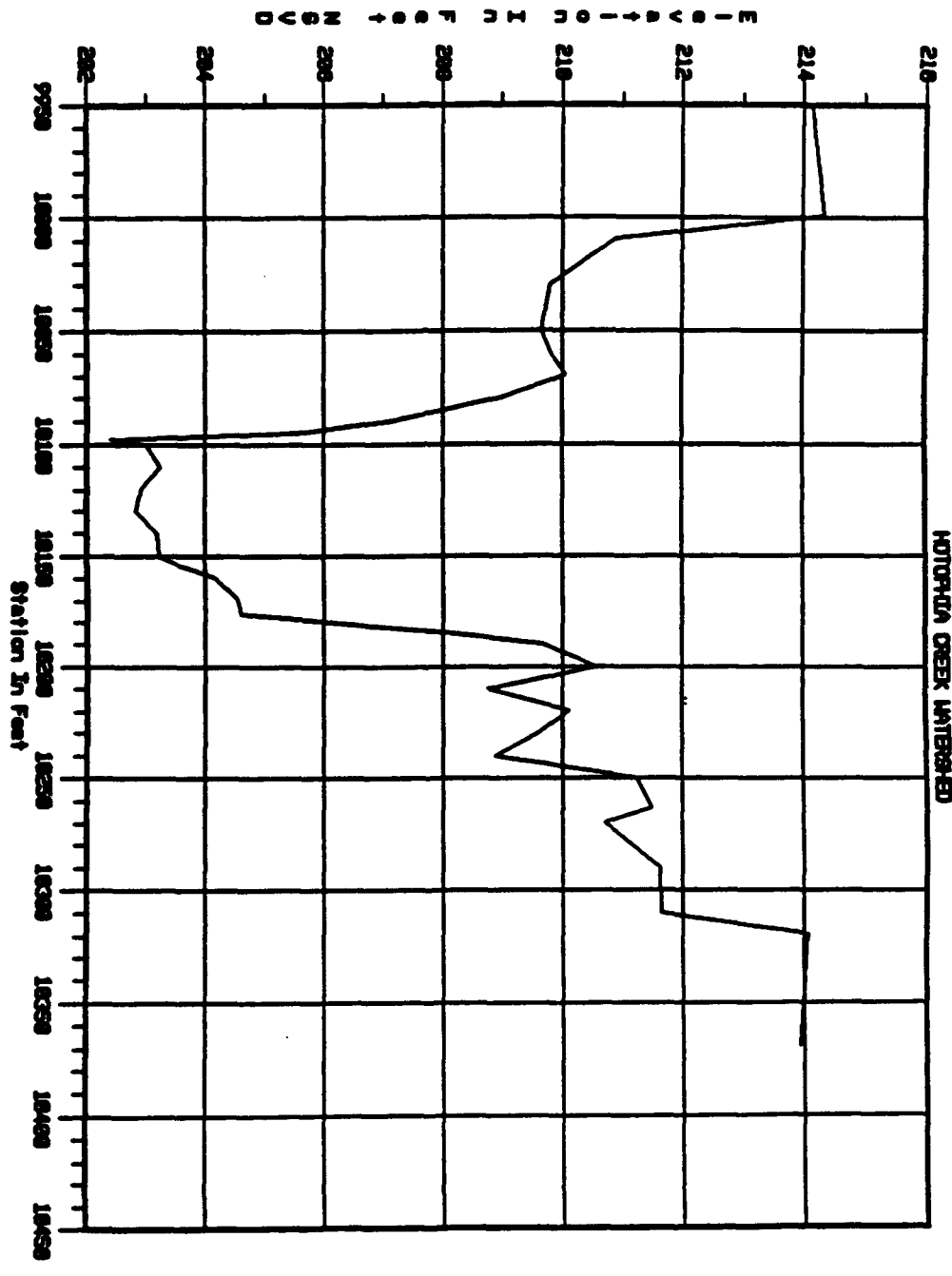
Plate B15

HOTOPHIA CREEK WATERSHED



———— HOTOPHIA CREEK 1977 XSEC 7000

HOTONUDA CREEK WATERSHED



HOTONUDA CREEK 1985 XSEC 0024

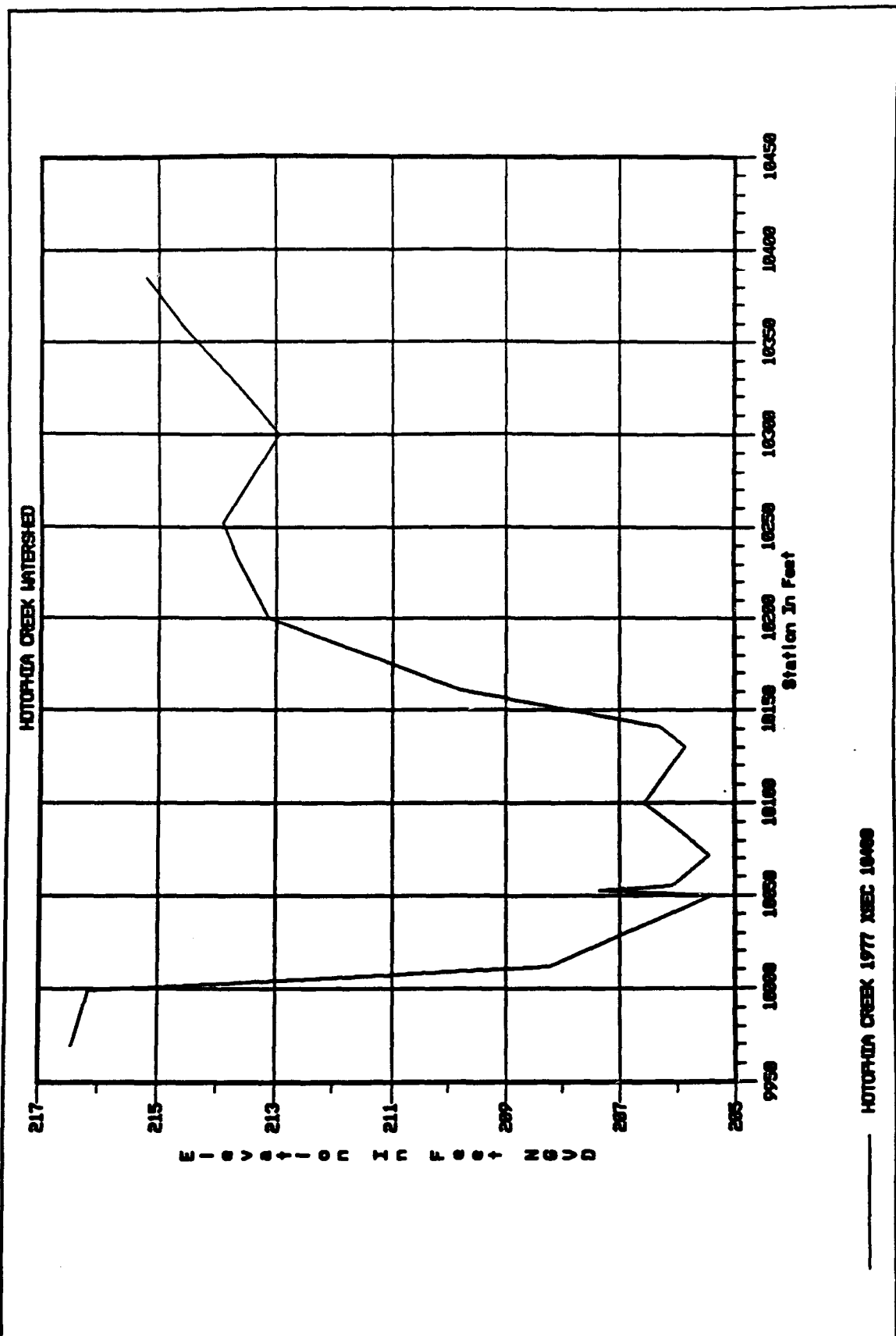
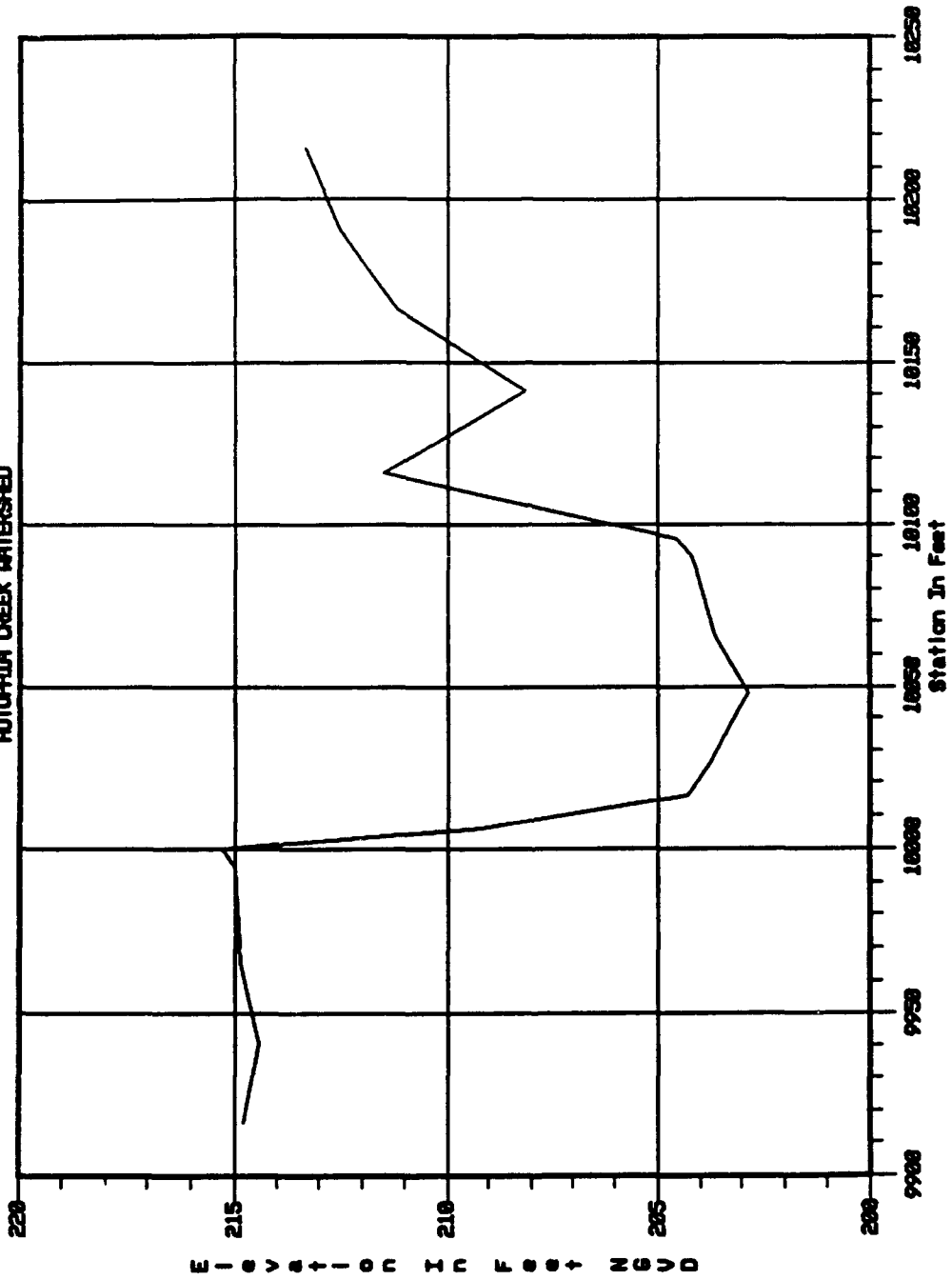


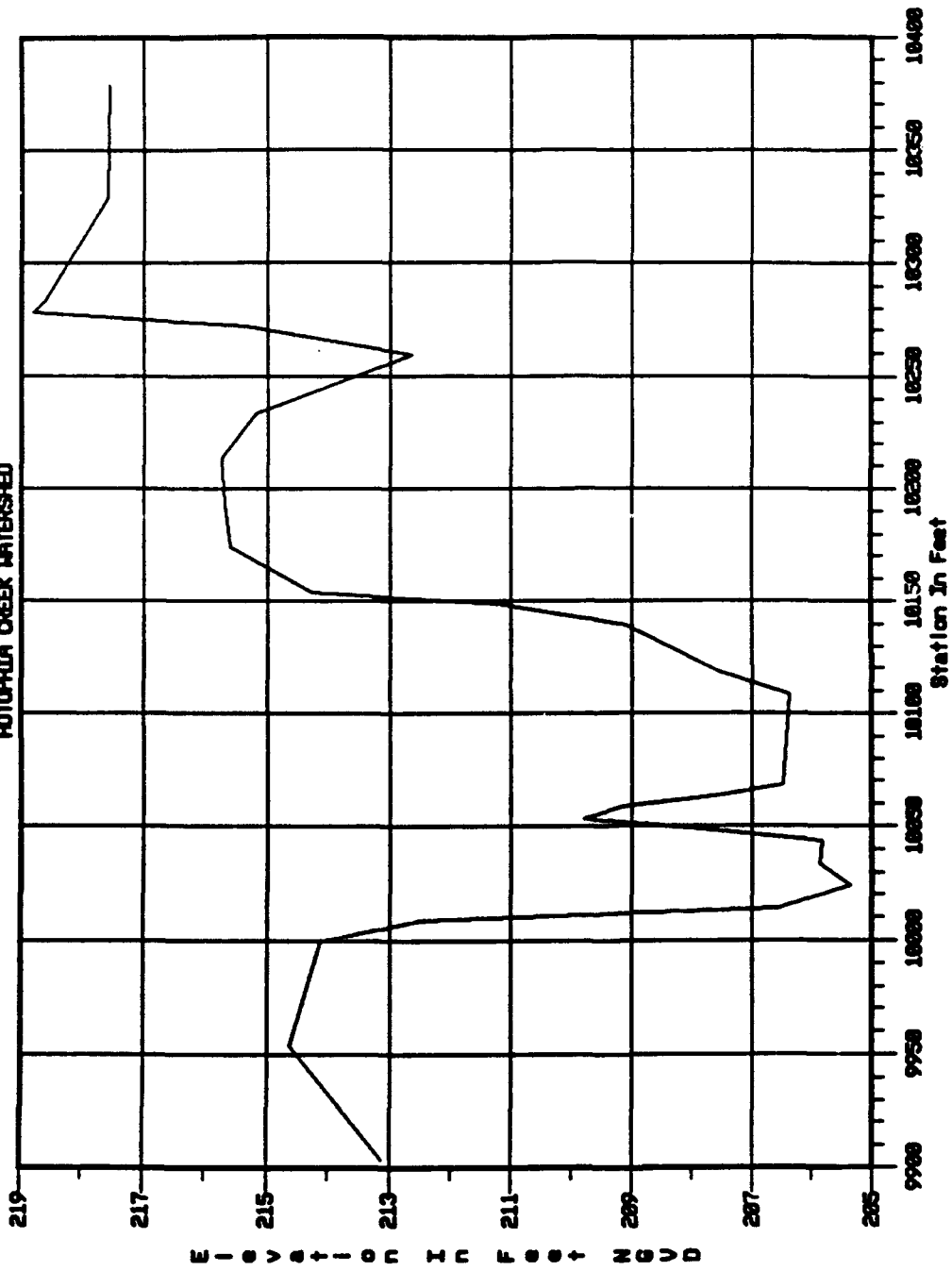
Plate B18

HOTUPHIA CREEK WATERSHED



————— HOTUPHIA CREEK 1992 XSEC 10400

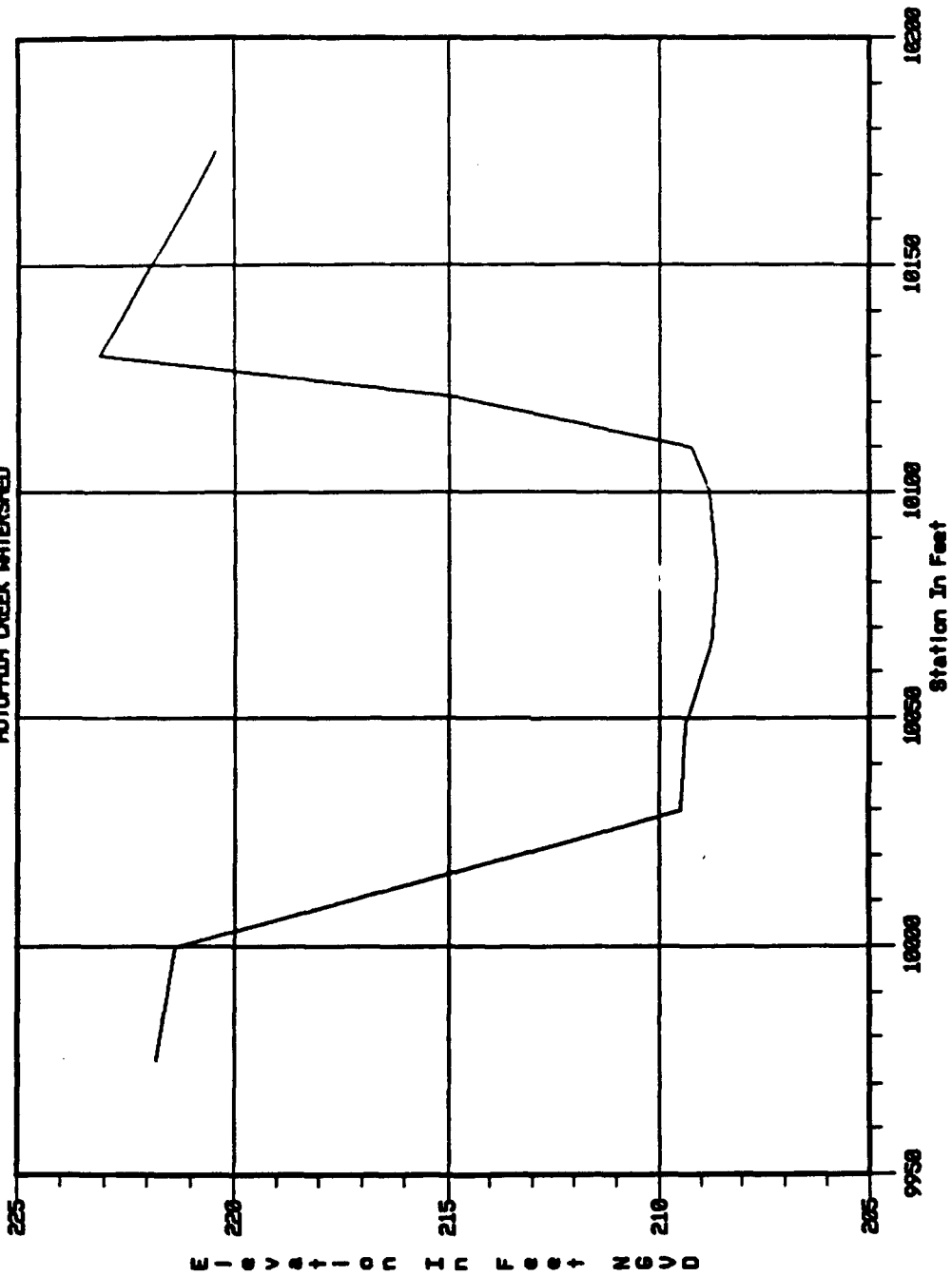
HOTOPHIA CREEK WATERSHED



———— HOTOPHIA CREEK 1965 XSEC 11500

Plate B20

HOTOPIA CREEK WATERSHED



HOTOPIA CREEK 1977 XSEC 12900

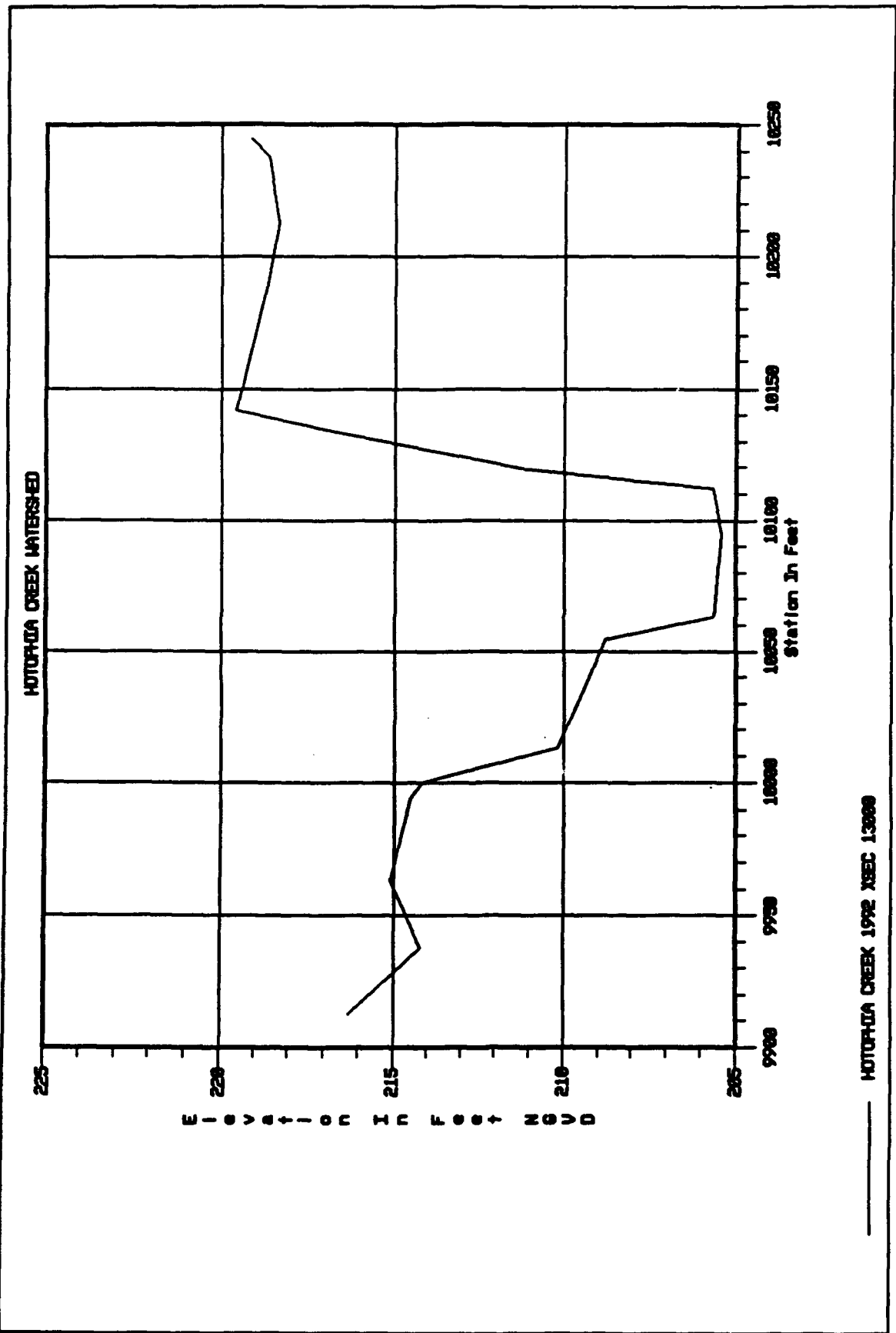


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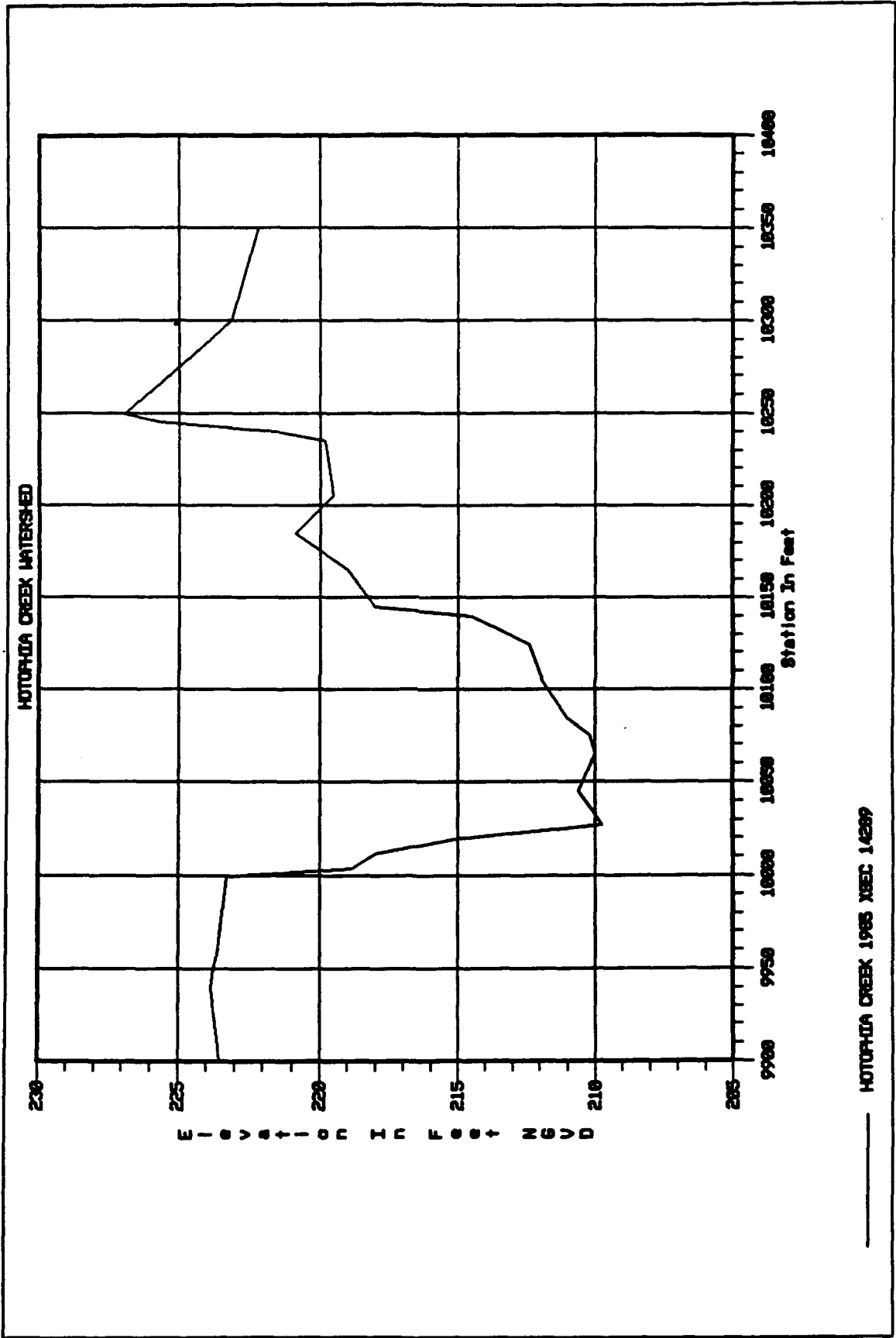


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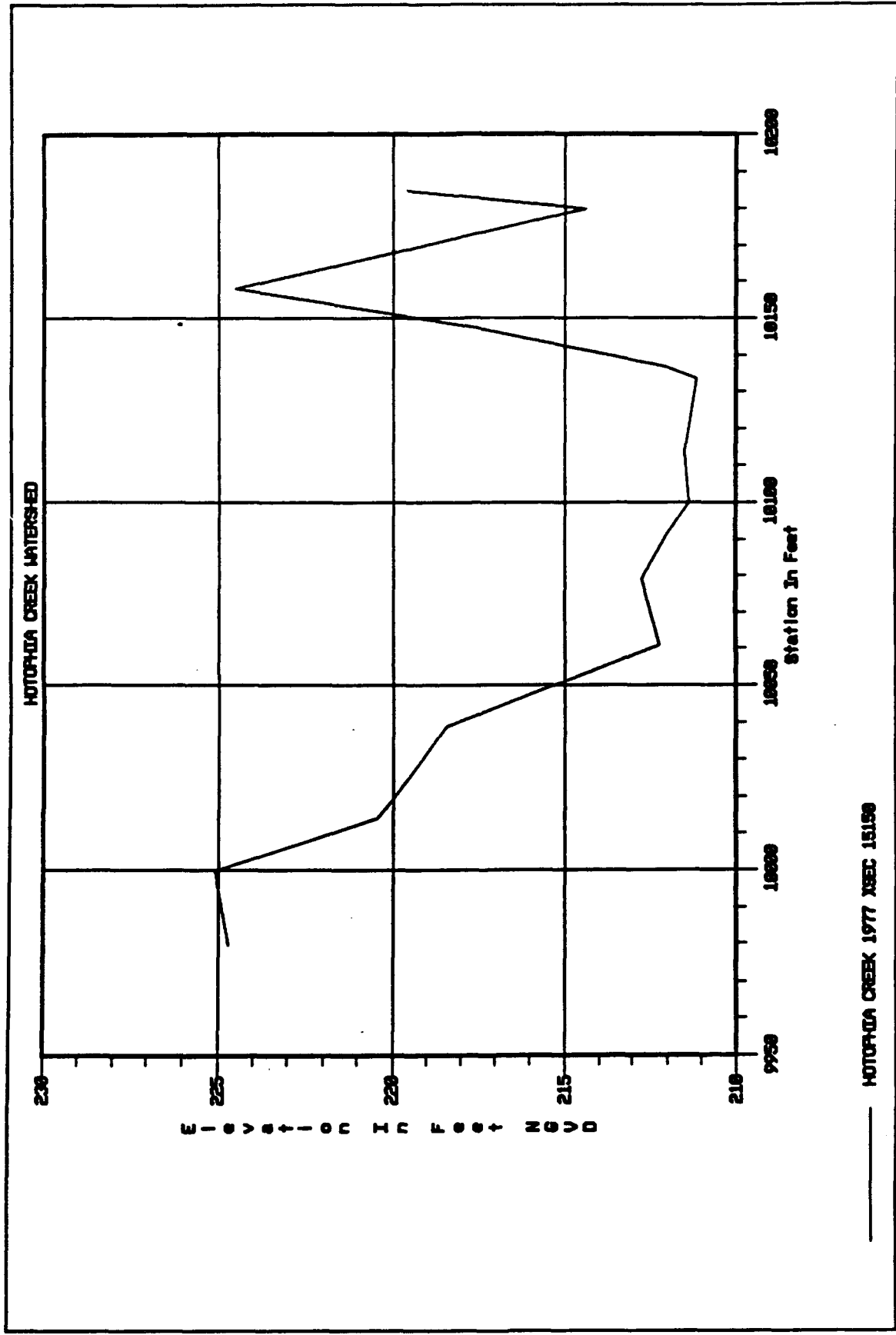


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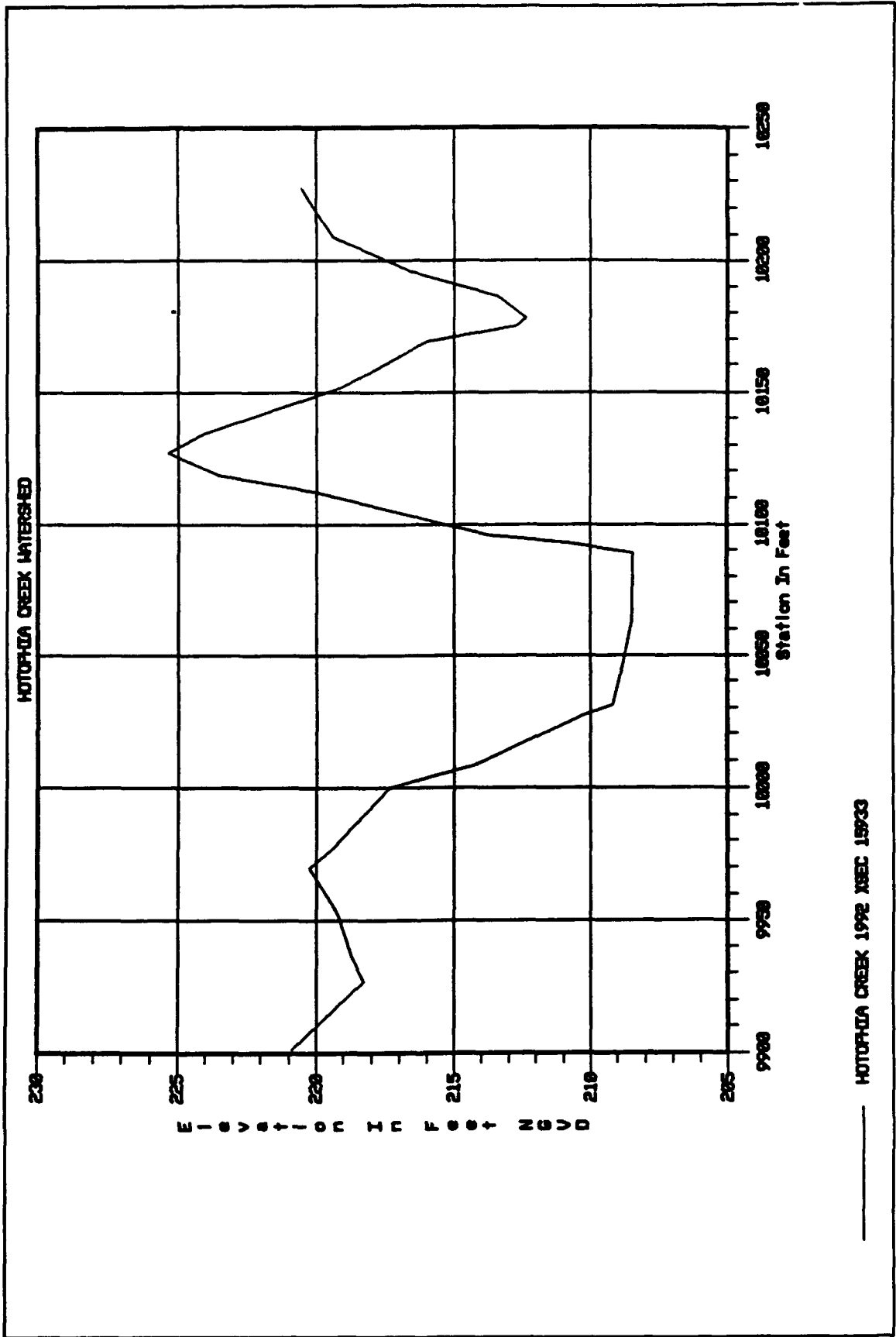


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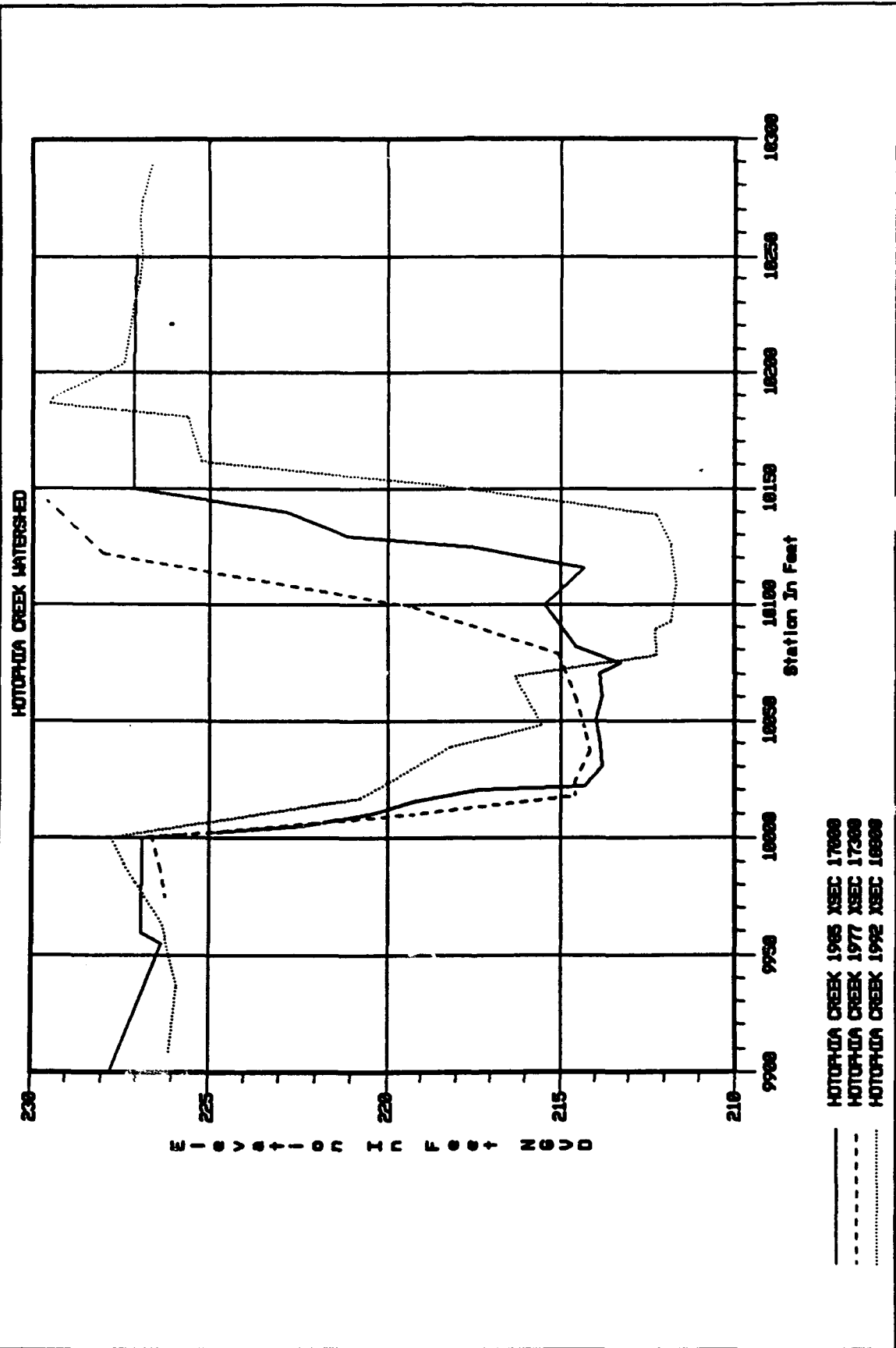


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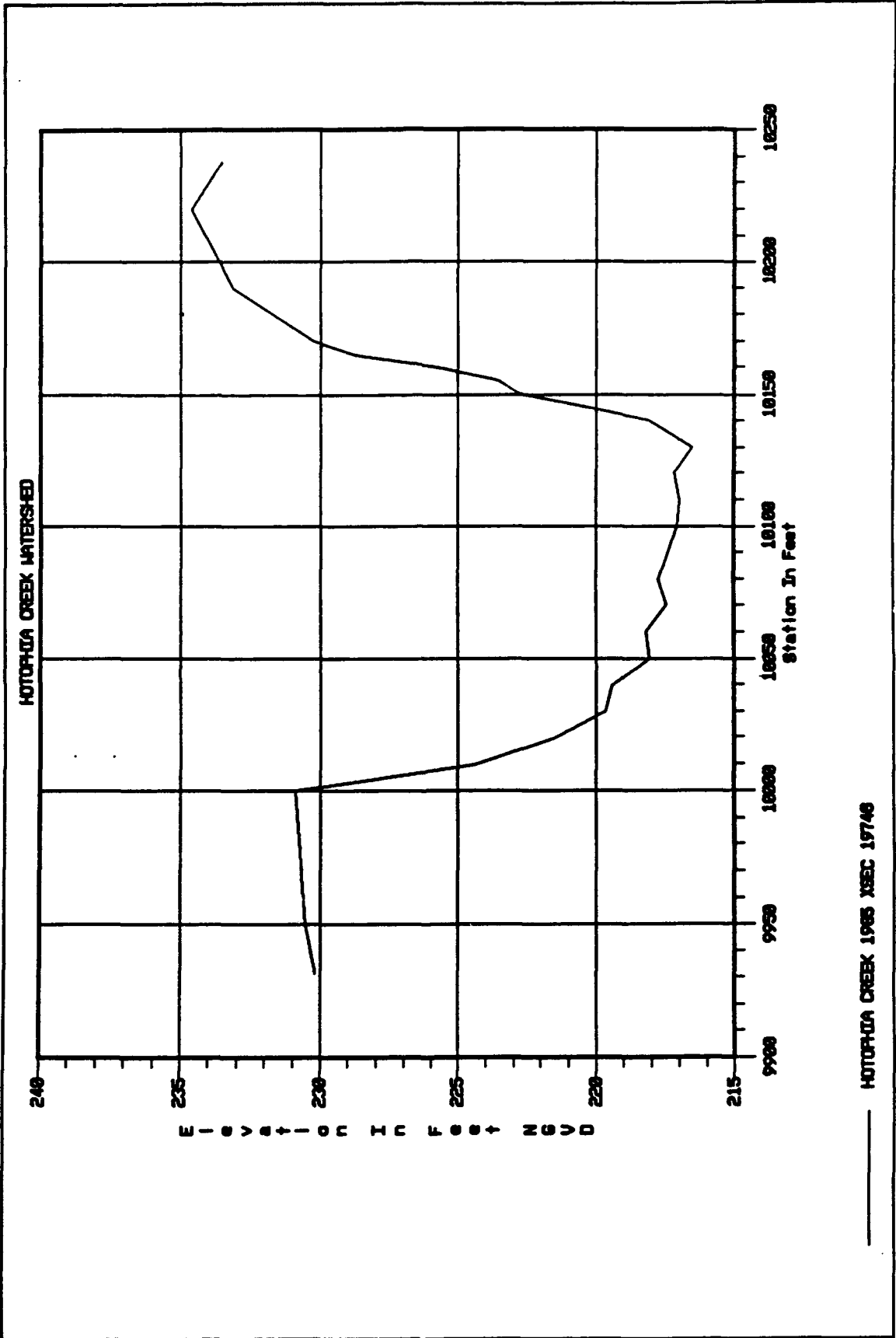


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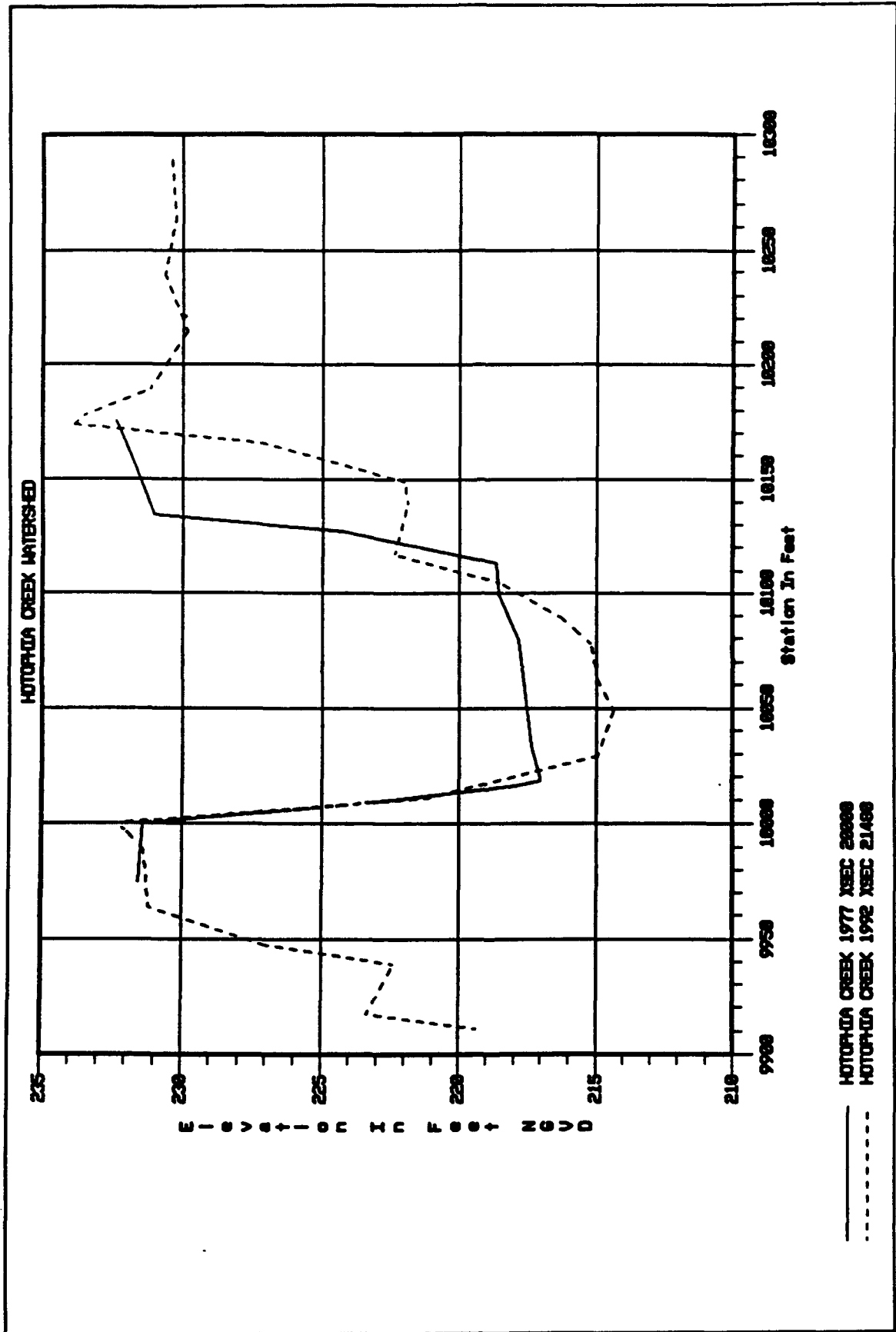
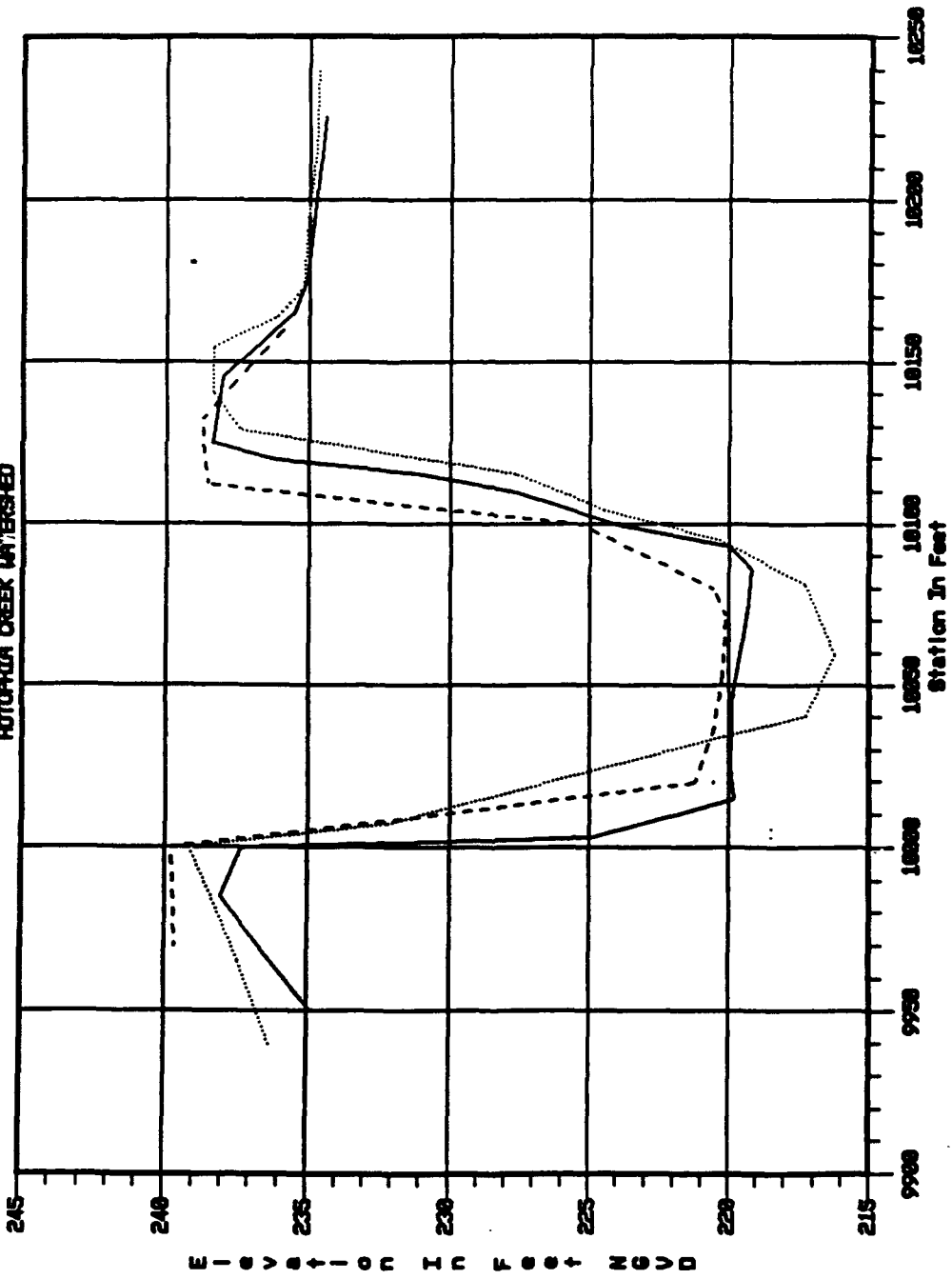


Plate B28

HOTOPHIA CREEK WATERSHED



— HOTOPHIA CREEK 1965 XSEC 22400
- - - HOTOPHIA CREEK 1977 XSEC 22800
... HOTOPHIA CREEK 1992 XSEC 24800

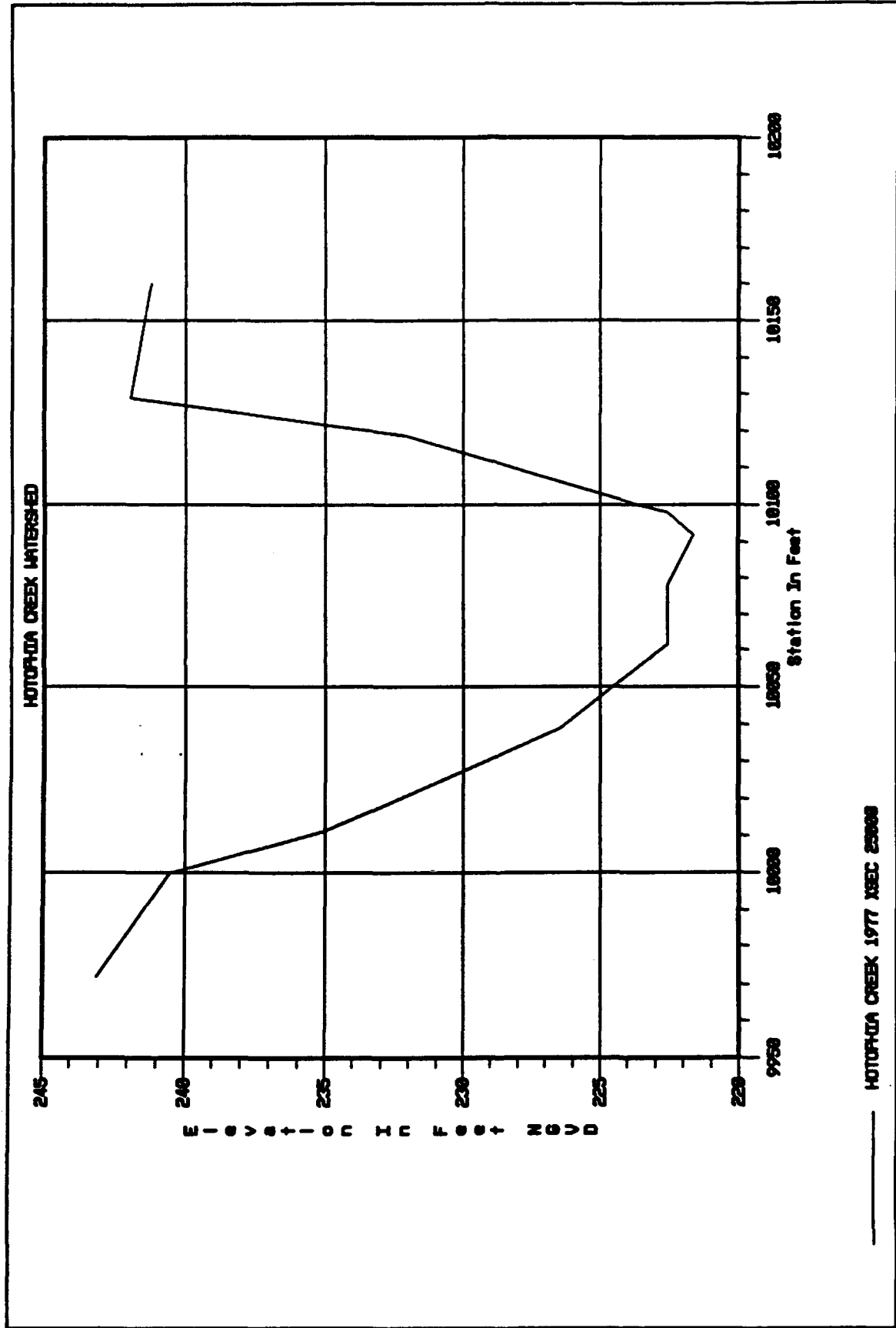


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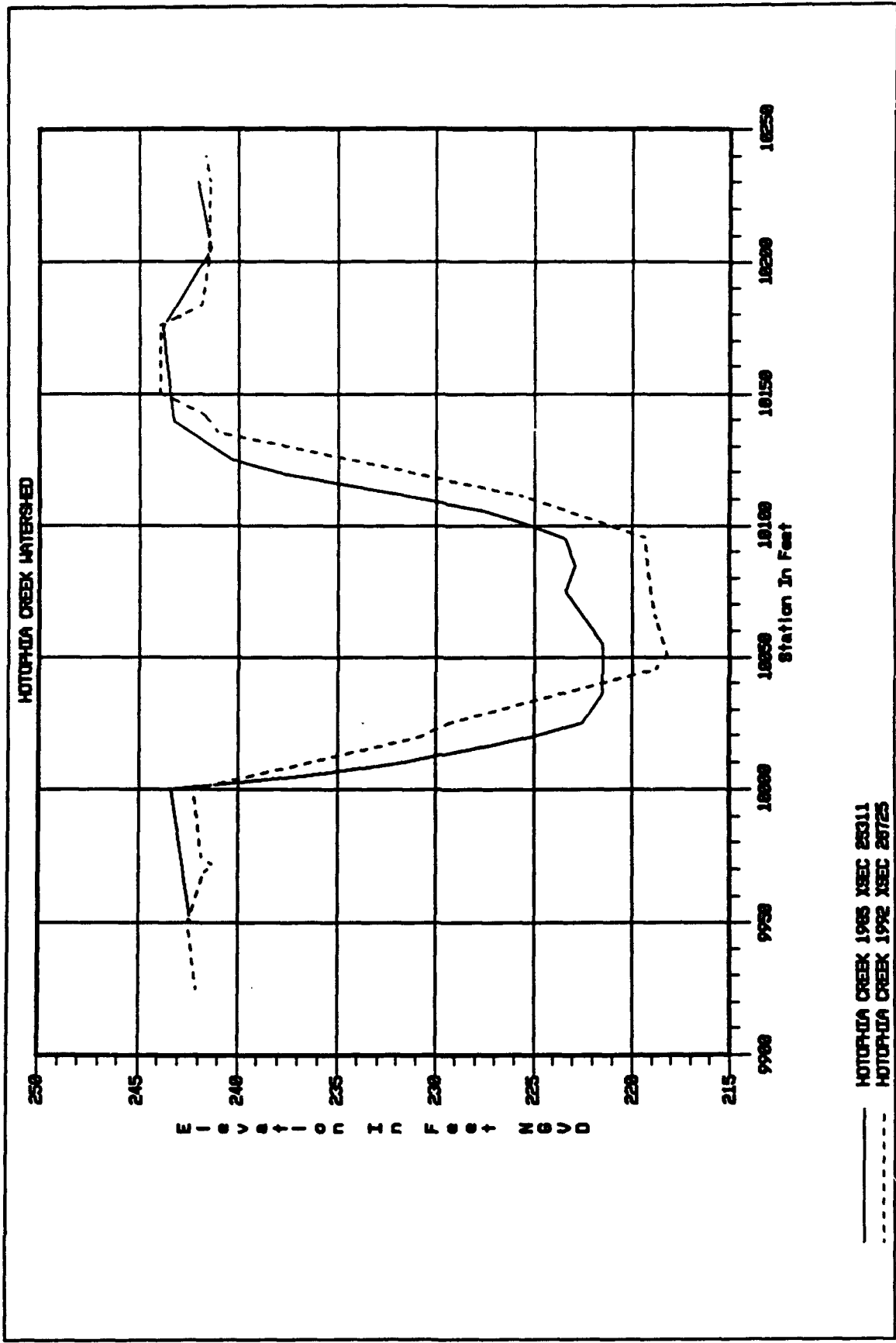
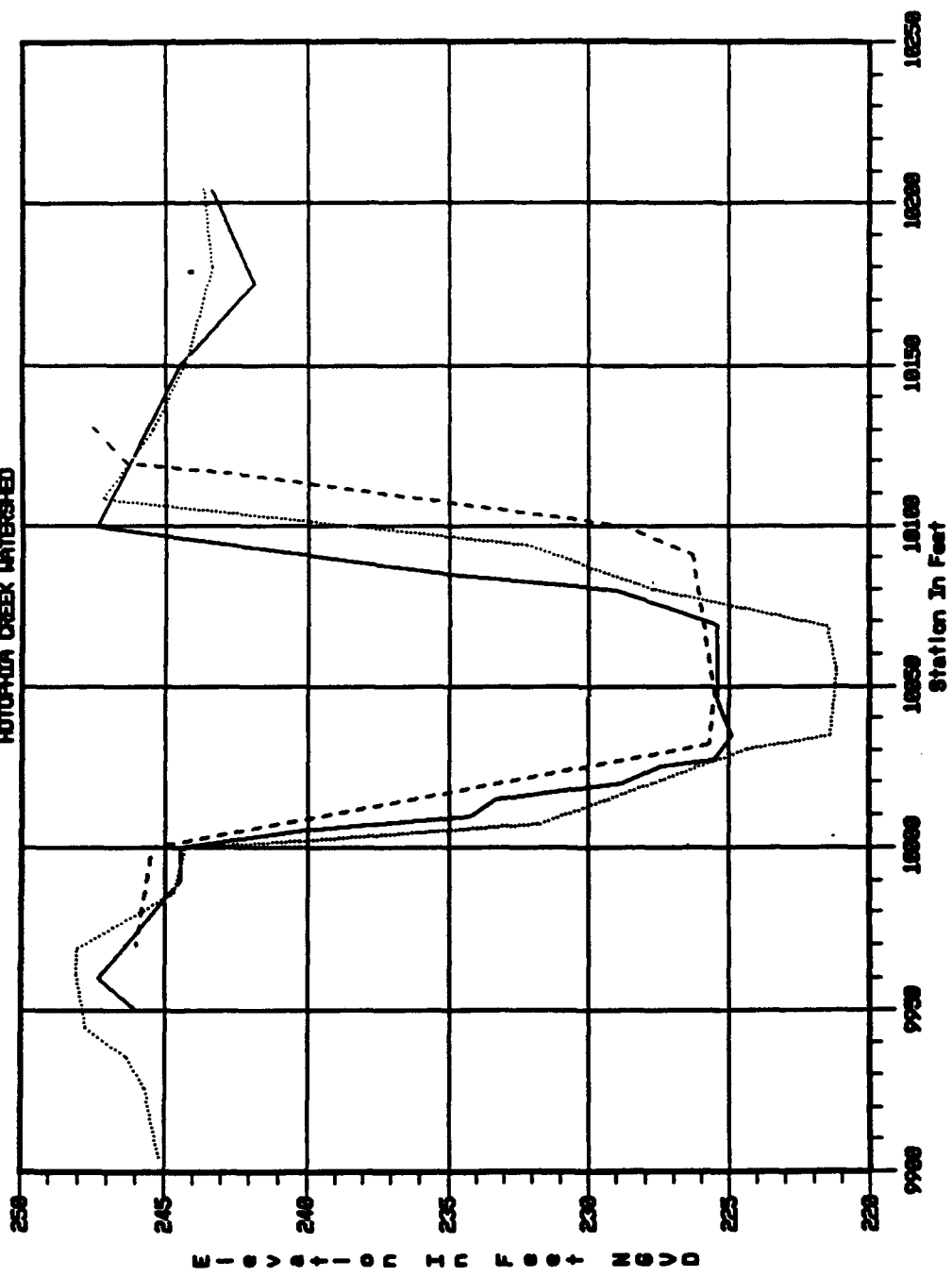


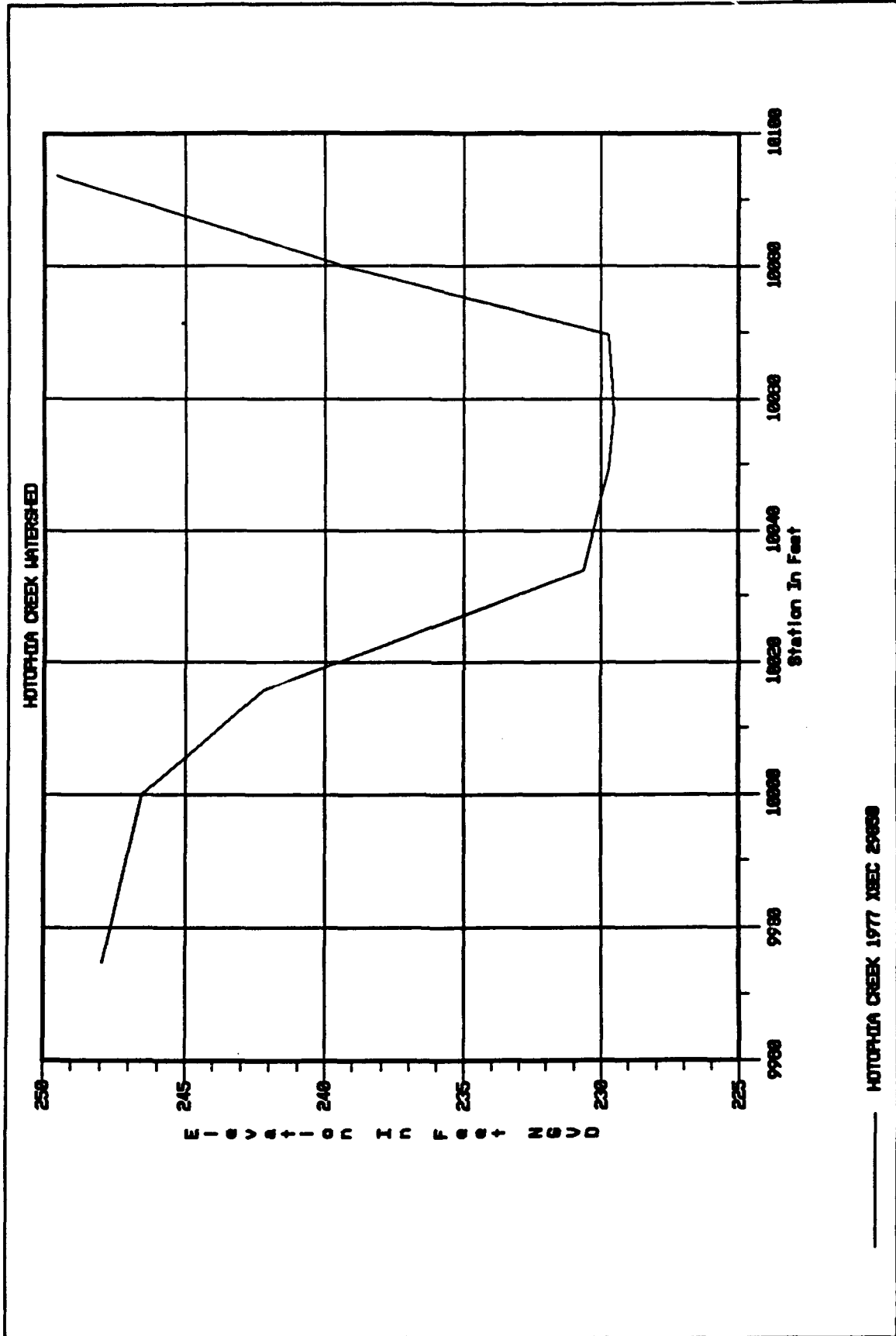
Plate B31

HOTOPHIA CREEK WATERSHED



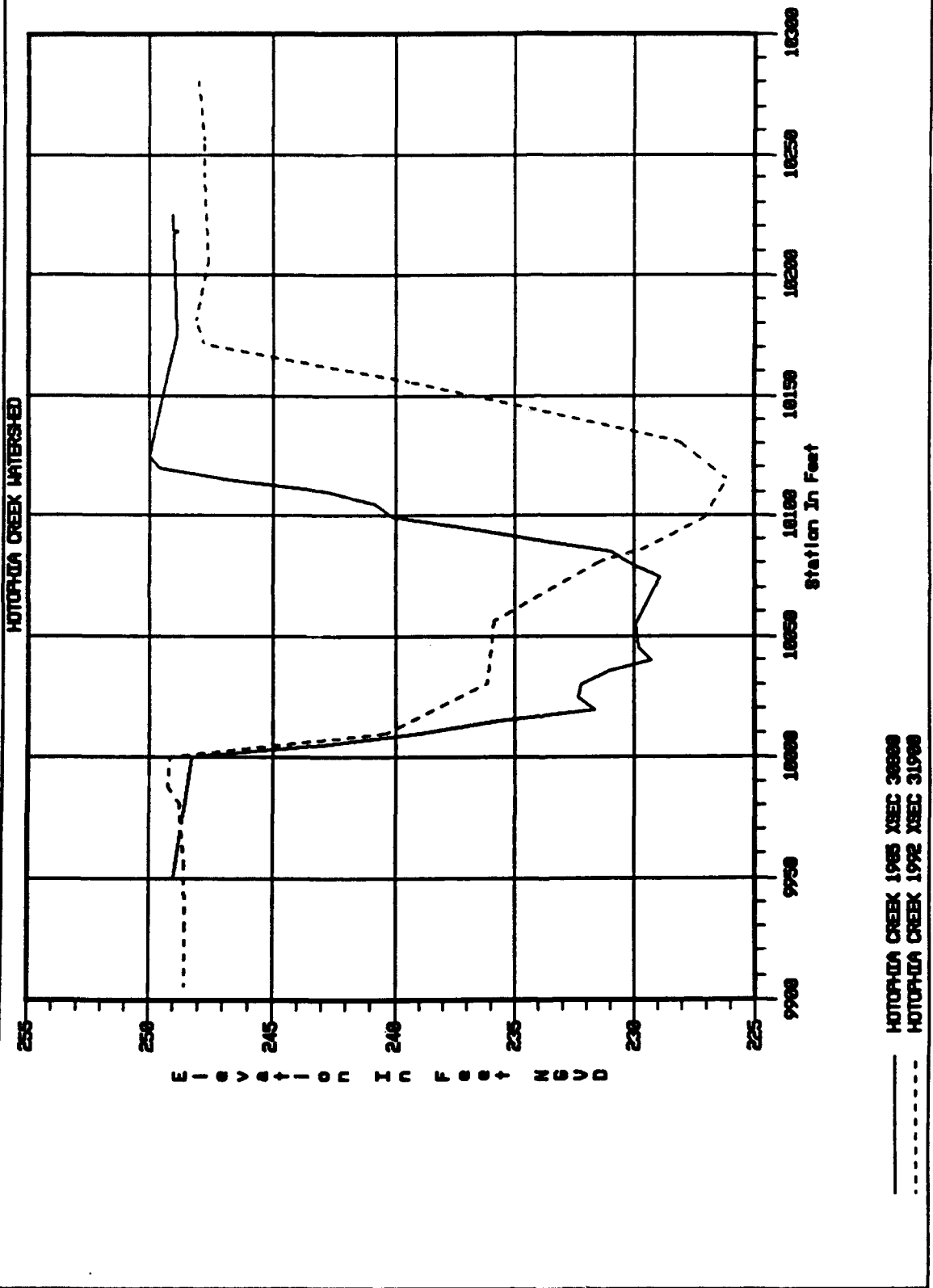
- HOTOPHIA CREEK 1965 XSEC 28800
- - - HOTOPHIA CREEK 1977 XSEC 27400
- HOTOPHIA CREEK 1992 XSEC 29250

Plate B32



———— HOTOPULA CREEK 1977 XSEC 29650

HOTOPIA CREEK WATERSHED



———— HOTOPIA CREEK 1985 XSEC 30800
- - - - - HOTOPIA CREEK 1992 XSEC 31900

Plate B34

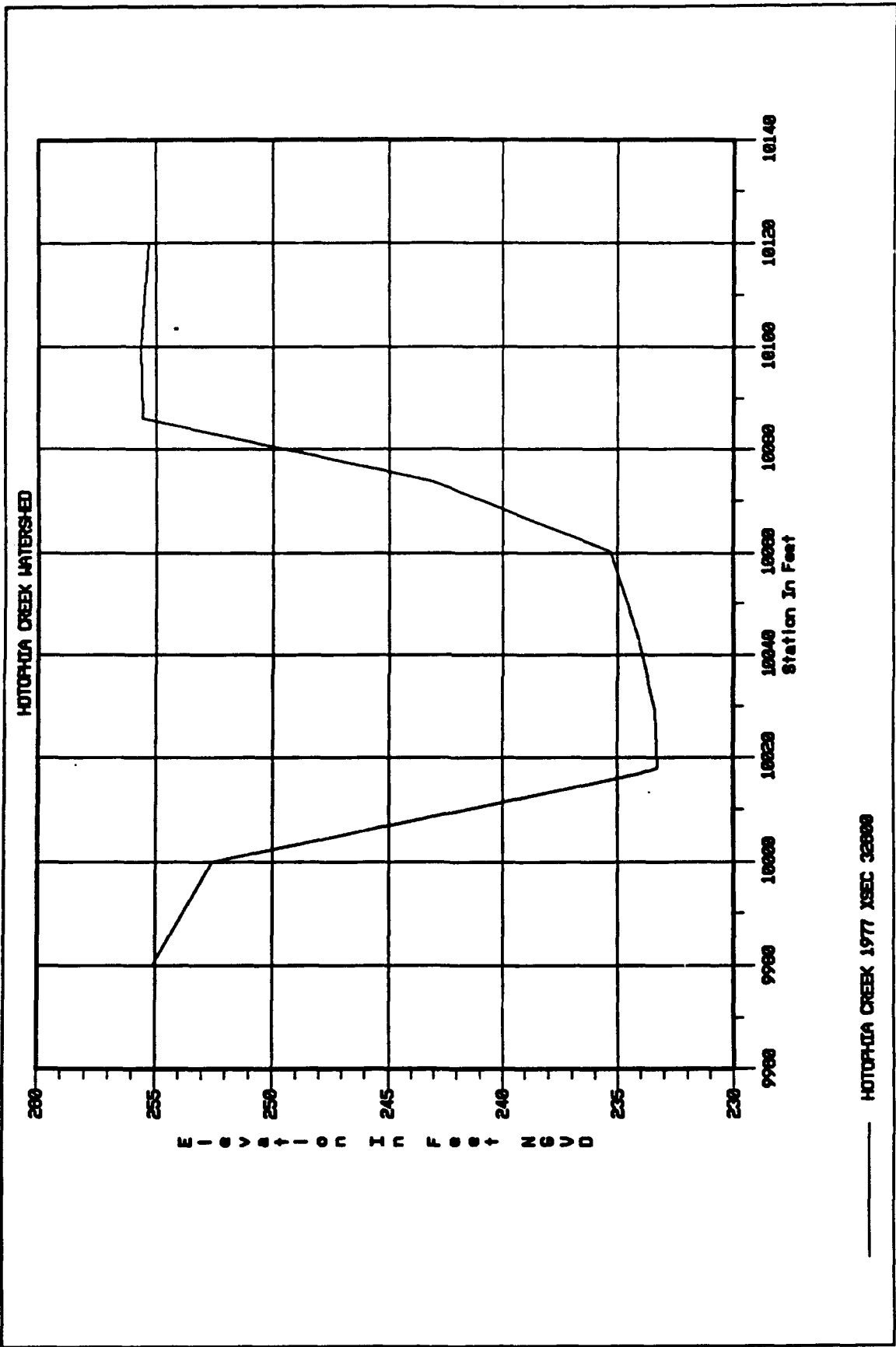
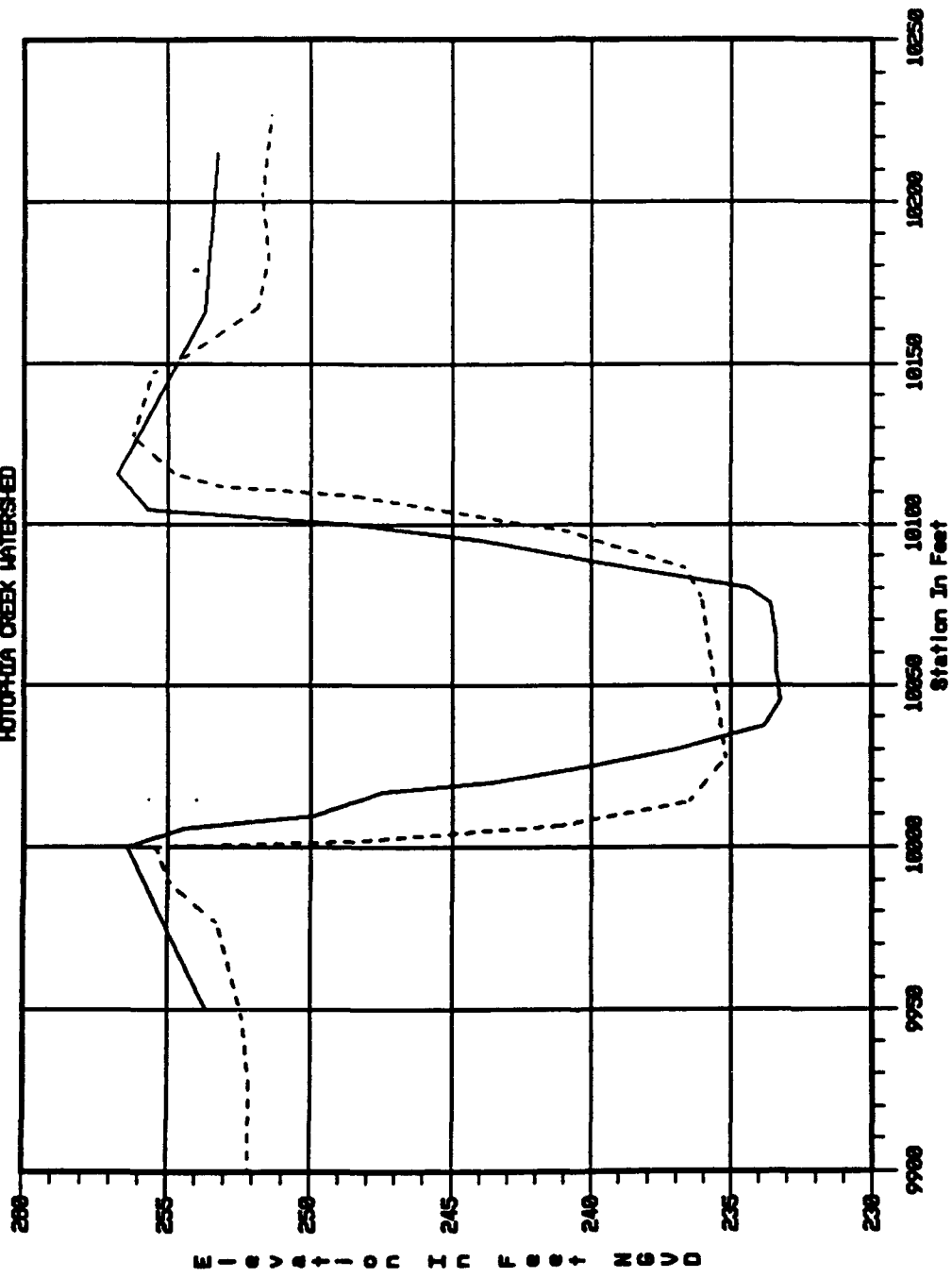


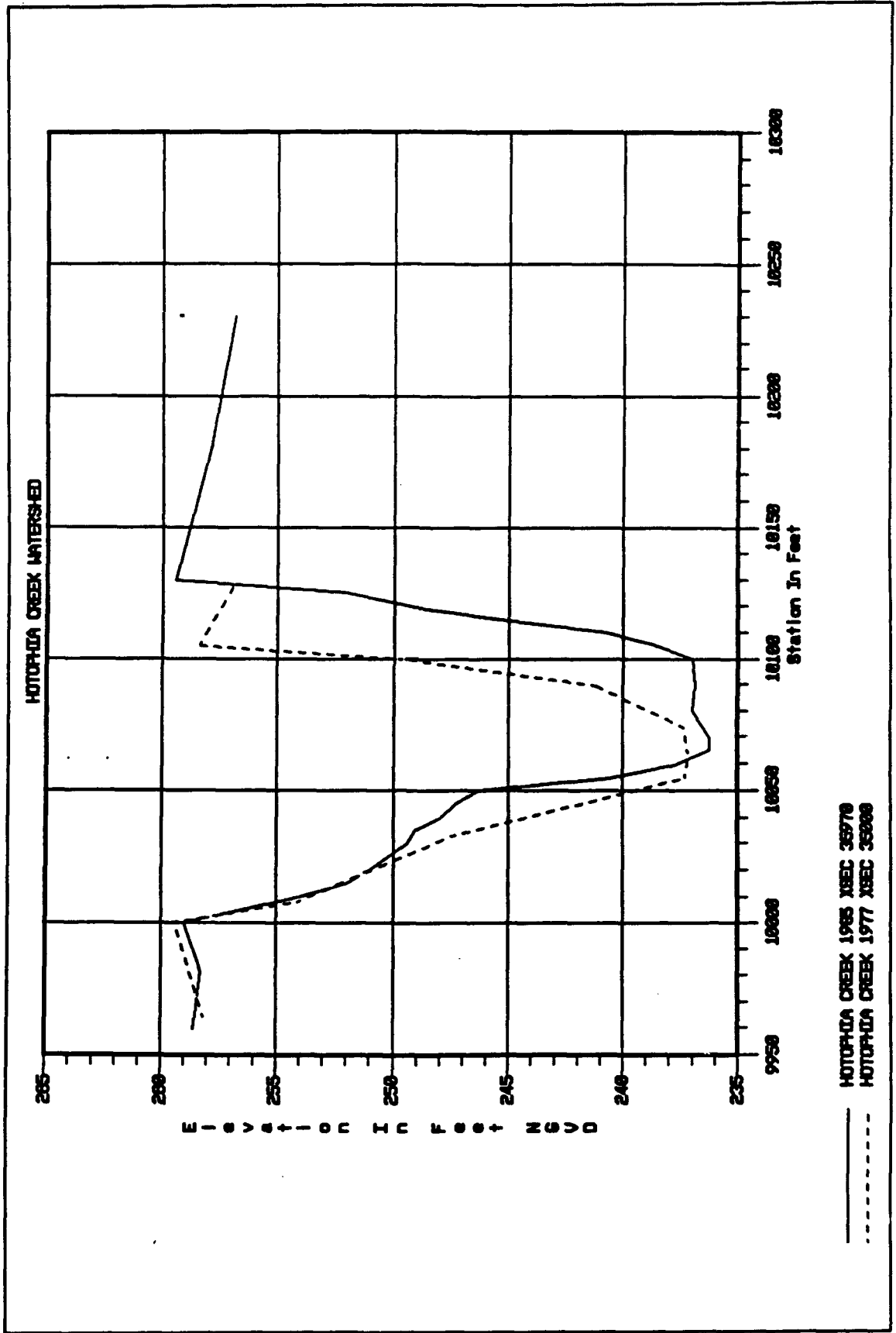
Plate B35

HOTOPIA CREEK WATERSHED

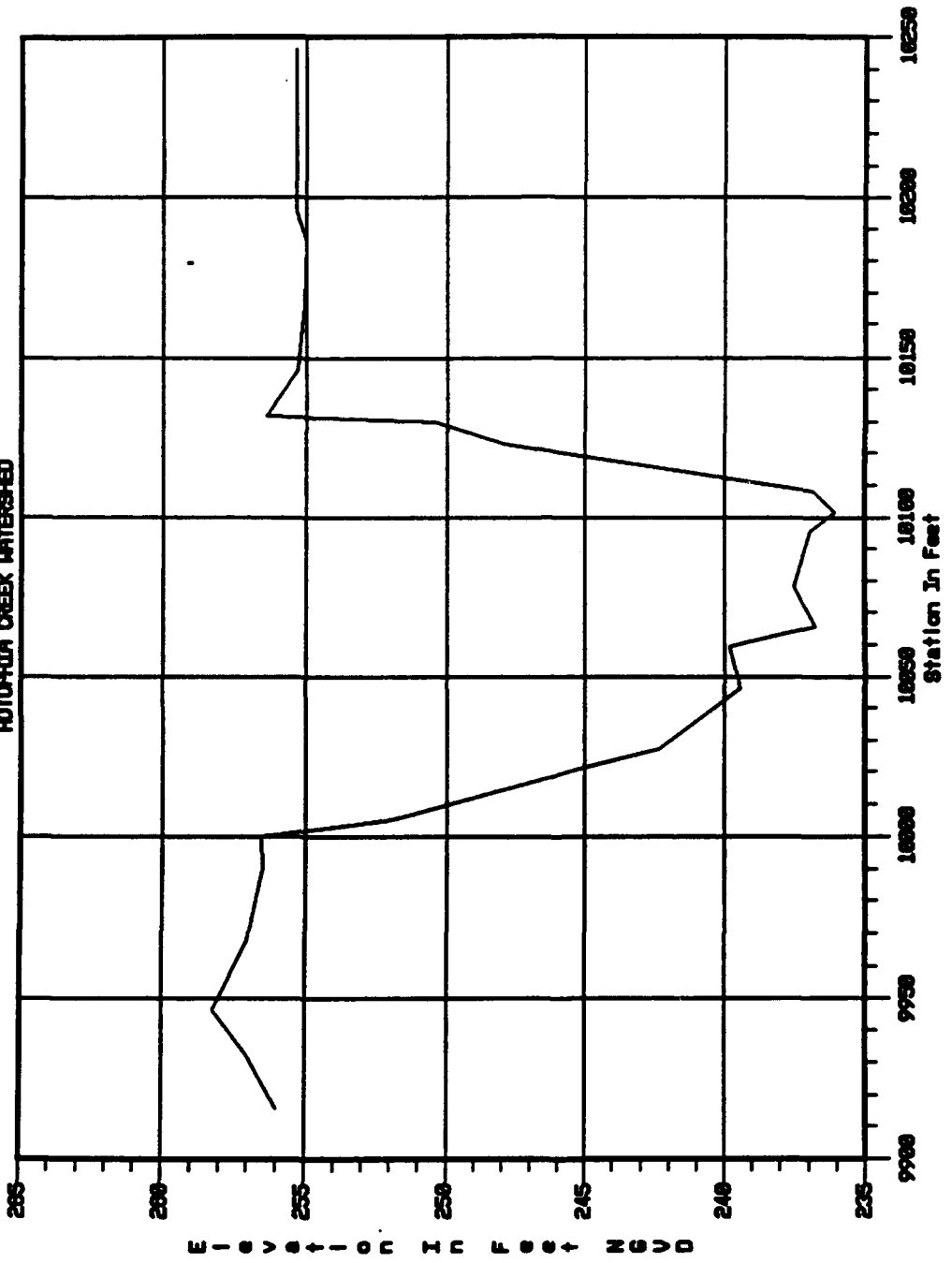


— HOTOPIA CREEK 1985 XSEC 33400
- - - HOTOPIA CREEK 1992 XSEC 34500

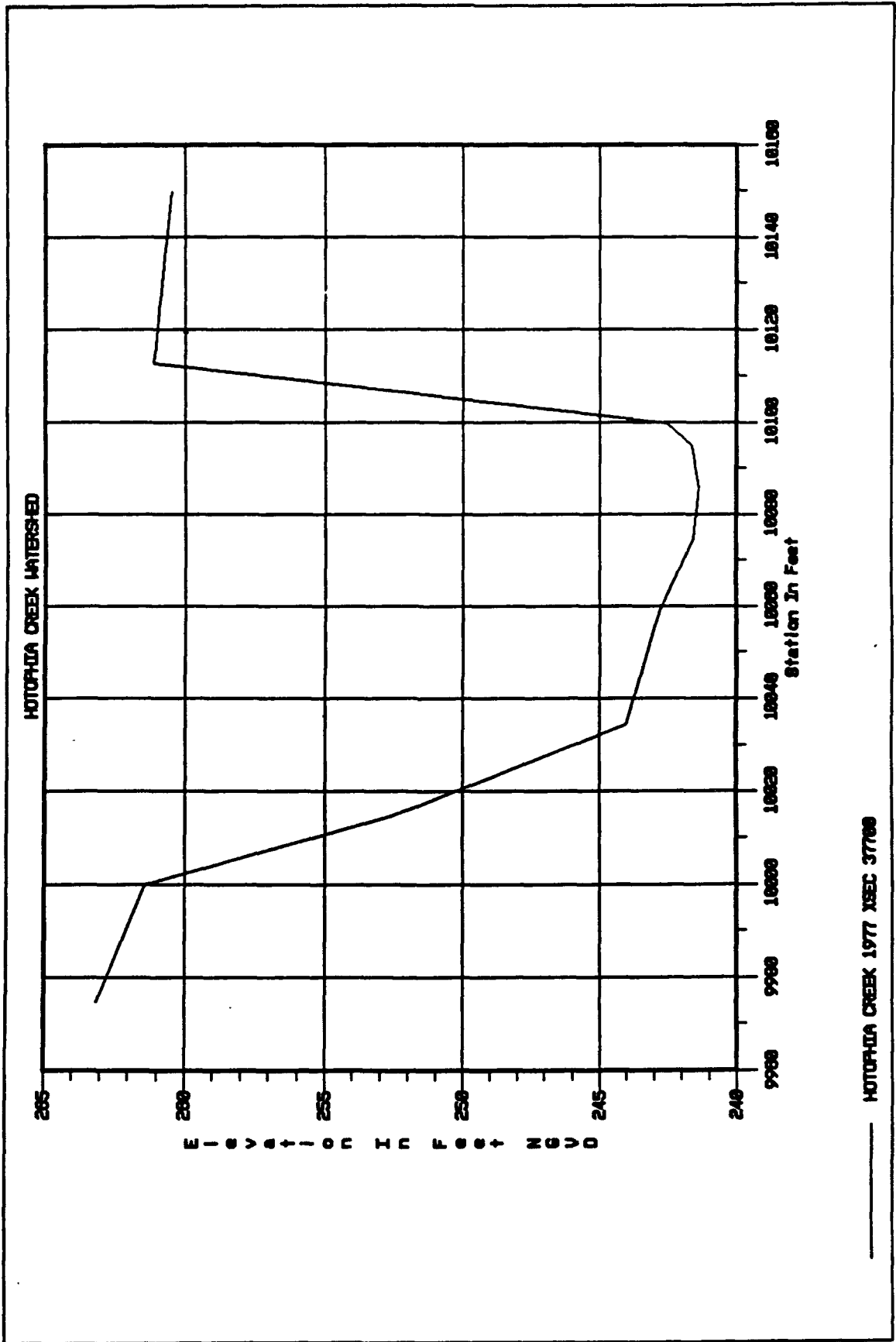
Plate B36



HOTOPHIA CREEK WATERSHED



———— HOTOPHIA CREEK 1992 XSEC 37600



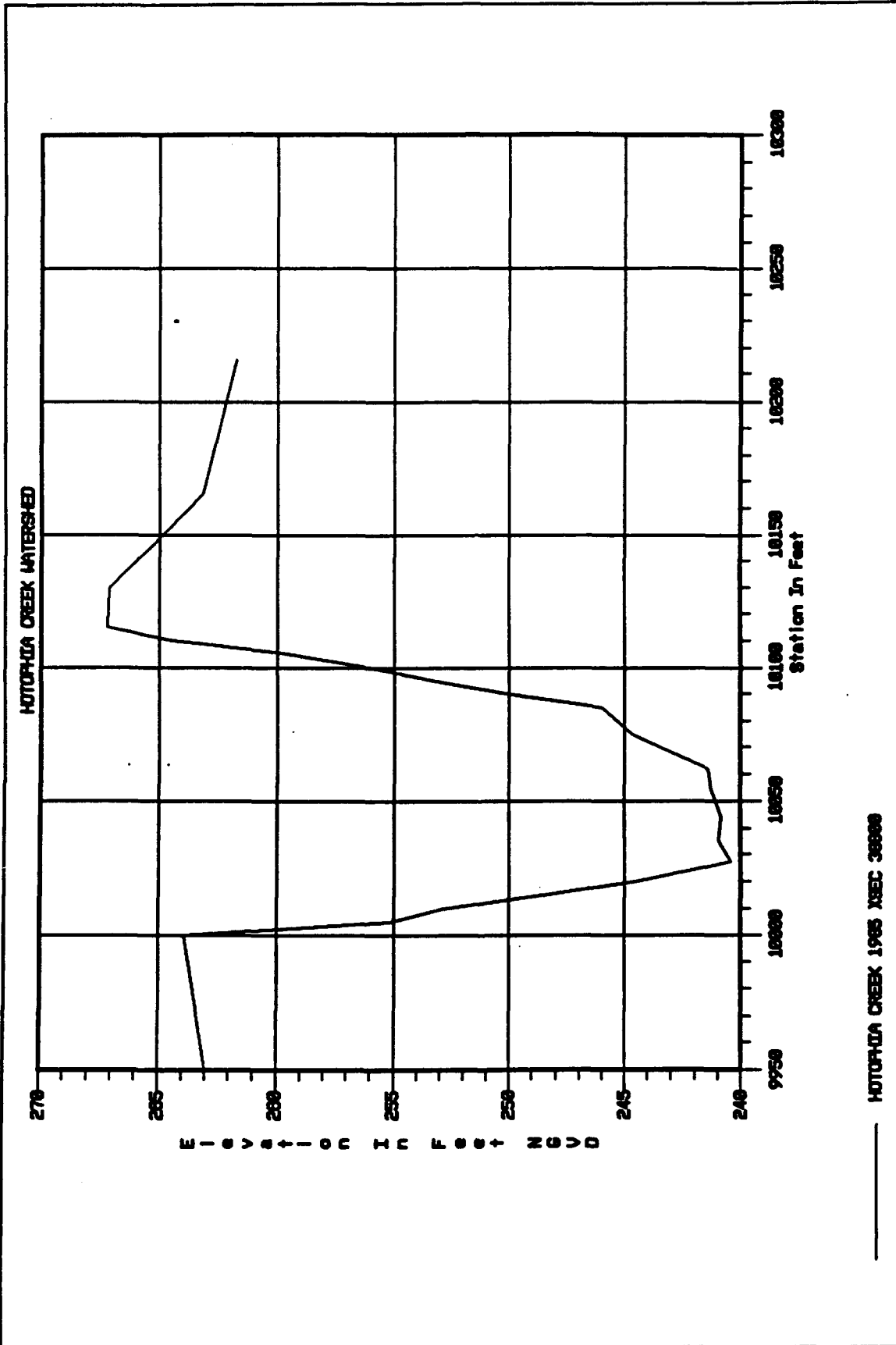
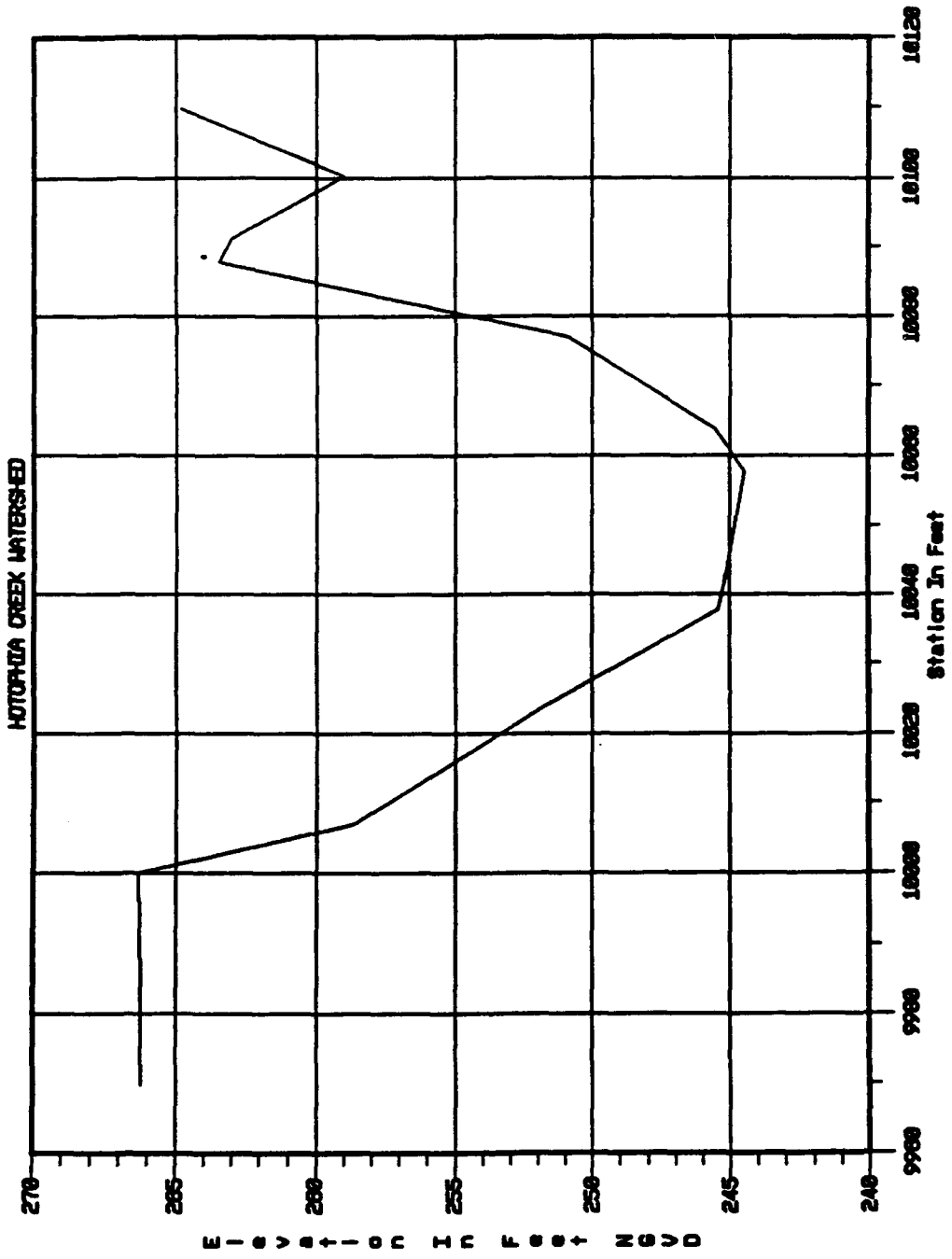


Plate B40



———— HOTOPIA CREEK 1977 XSEC 40008

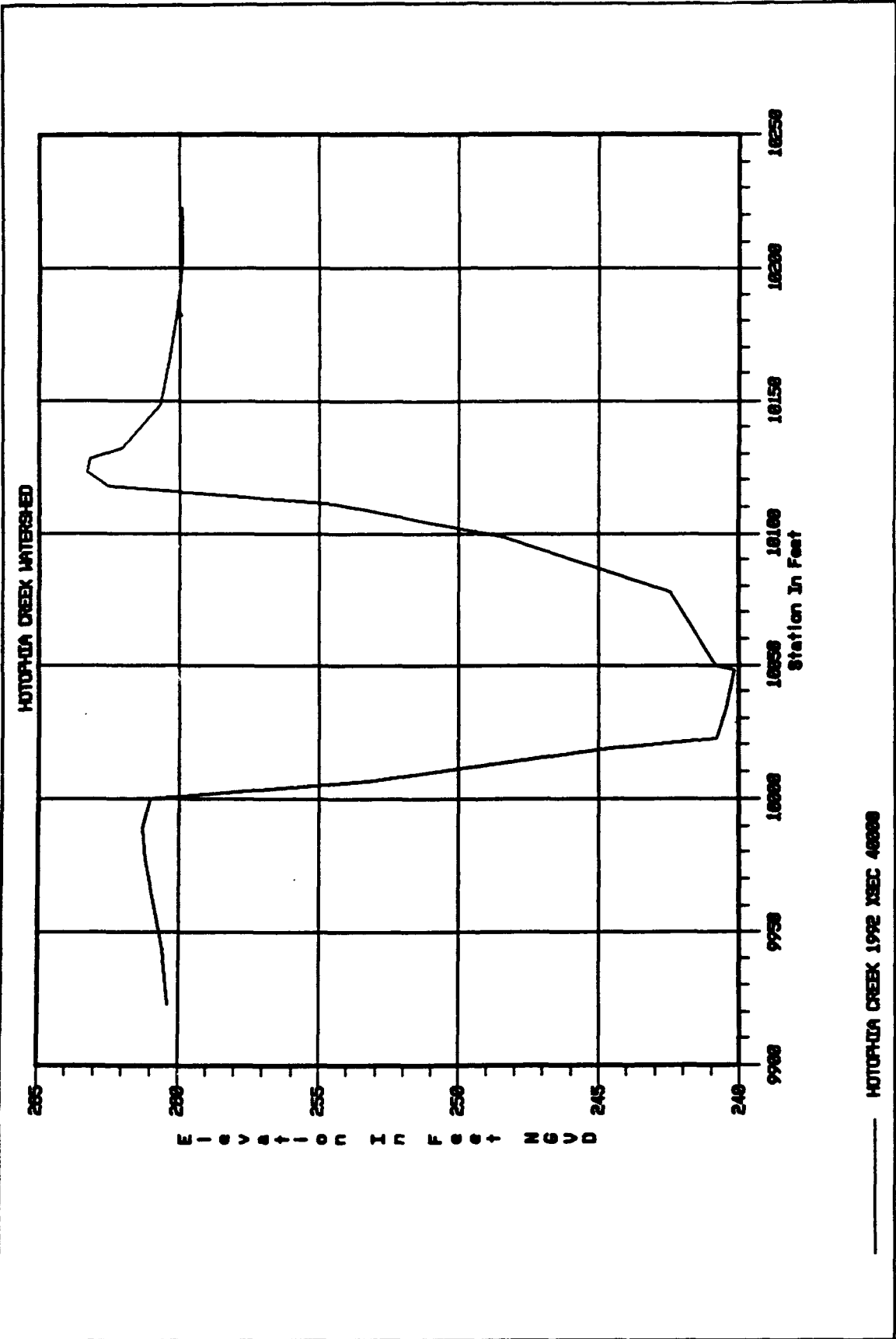


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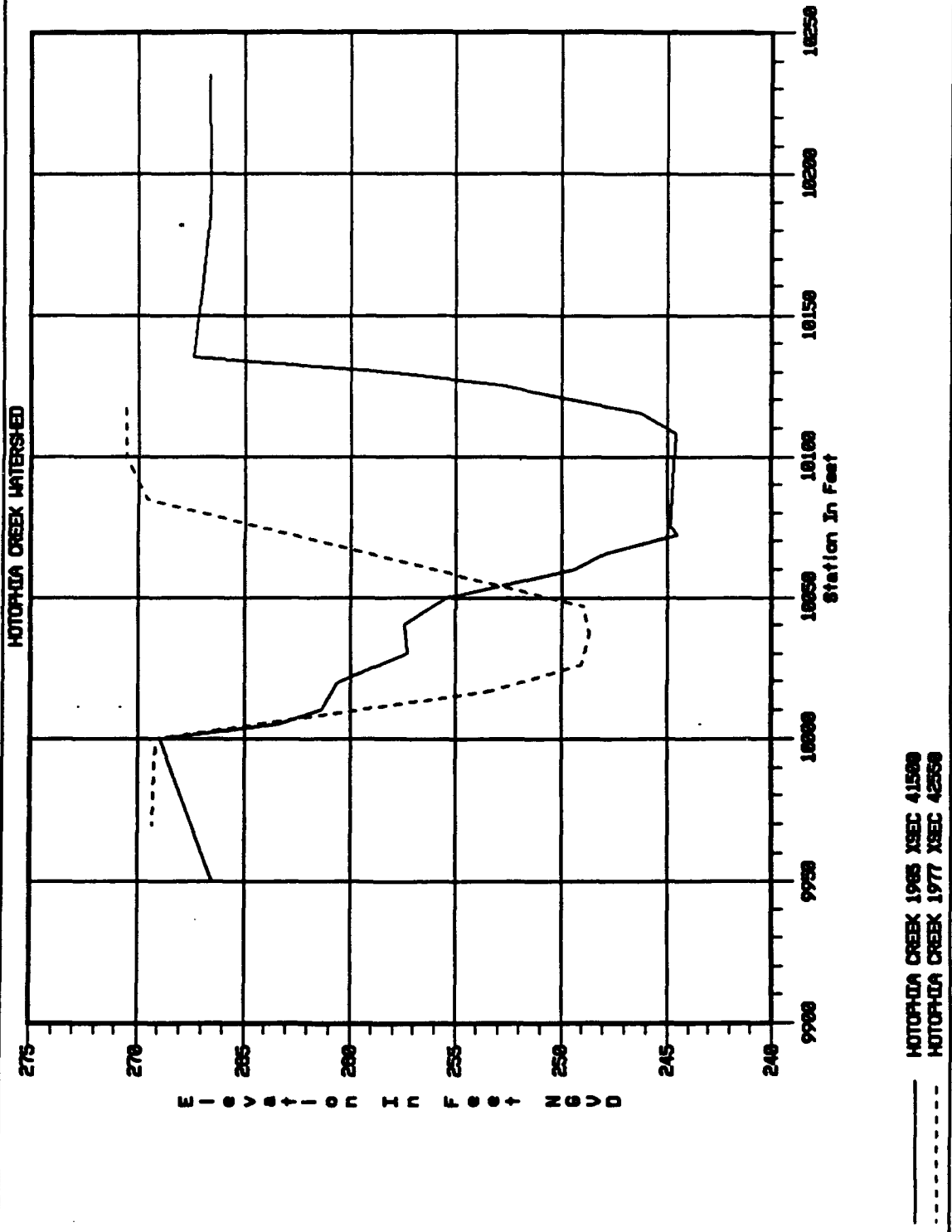


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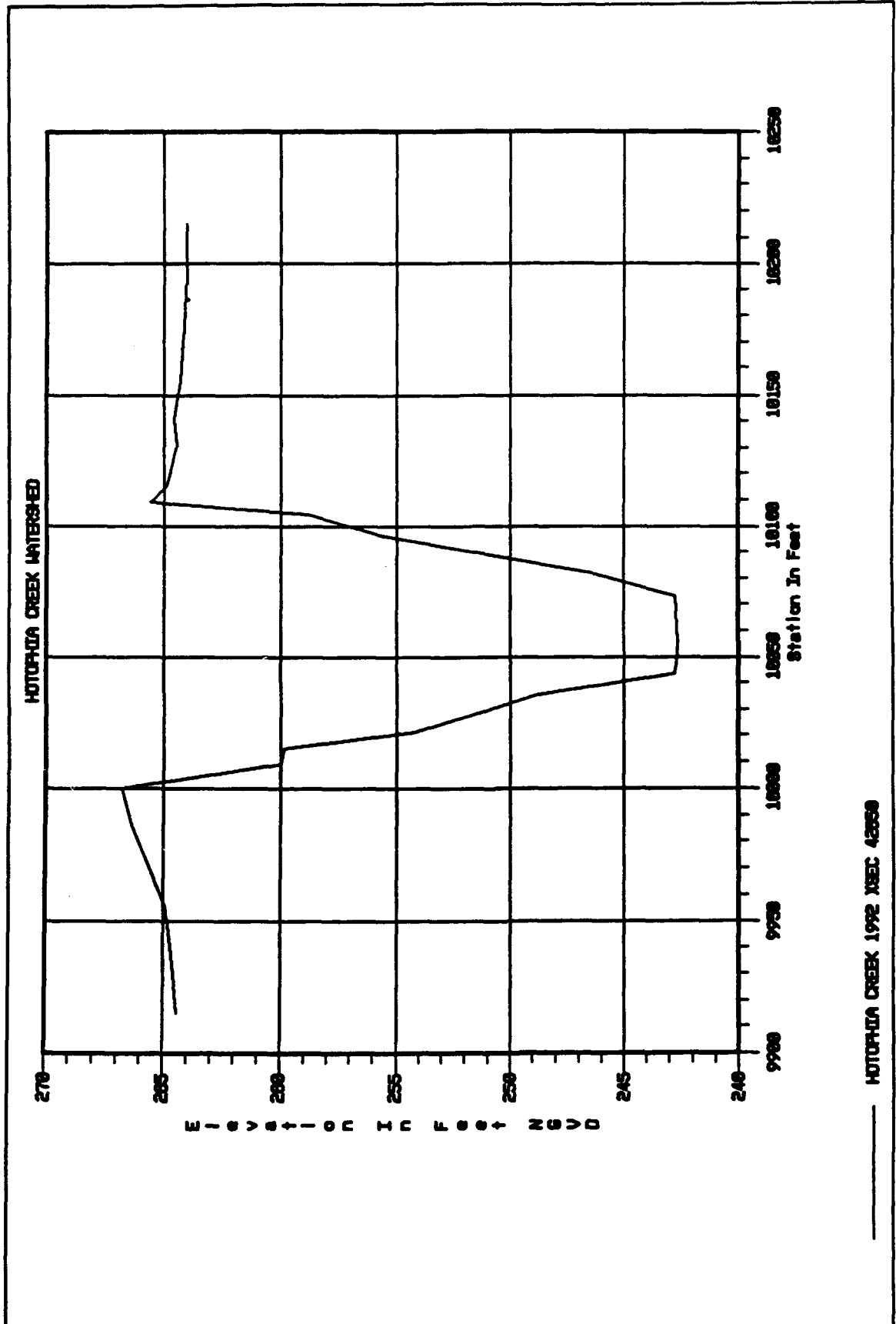


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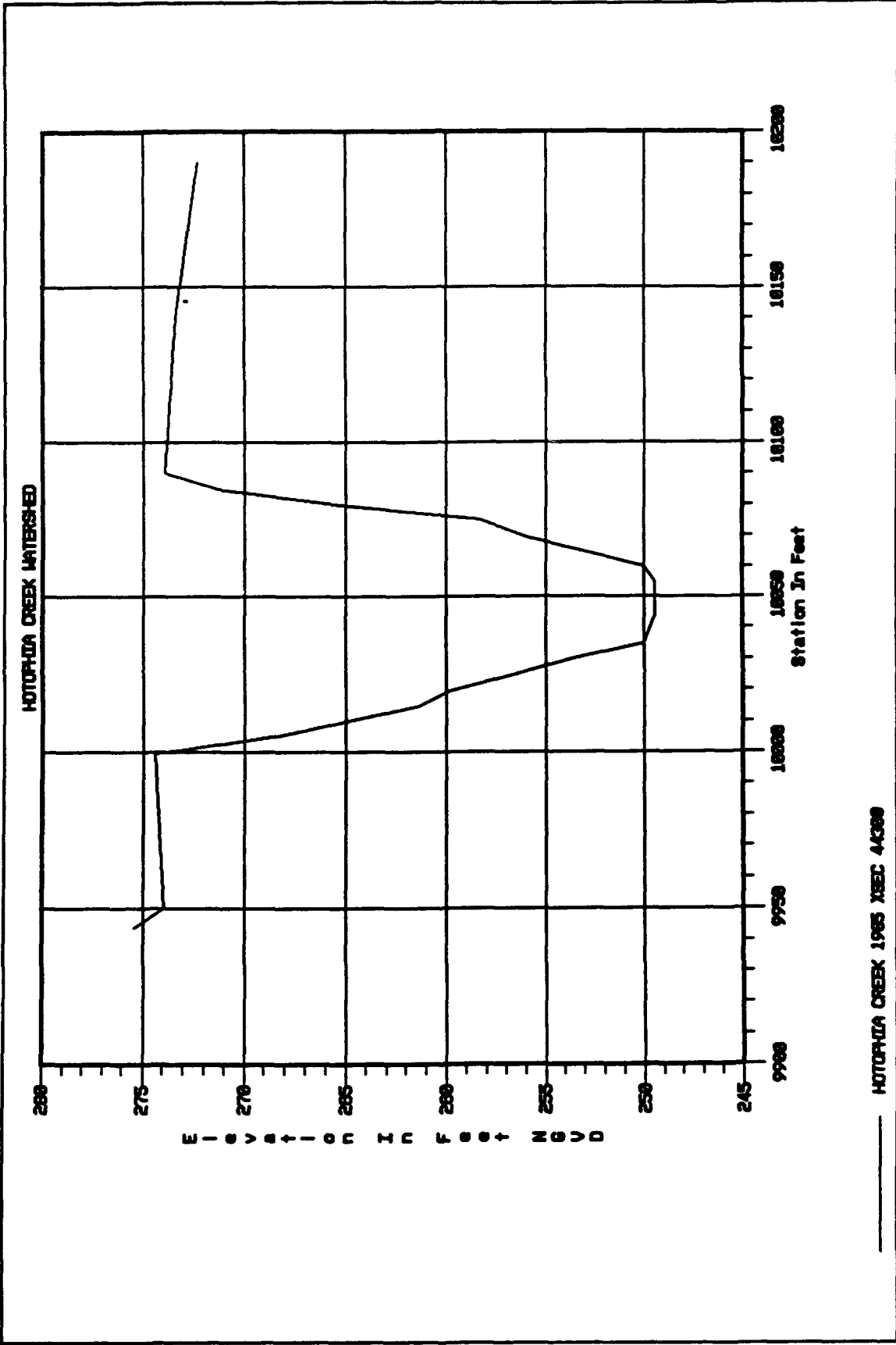


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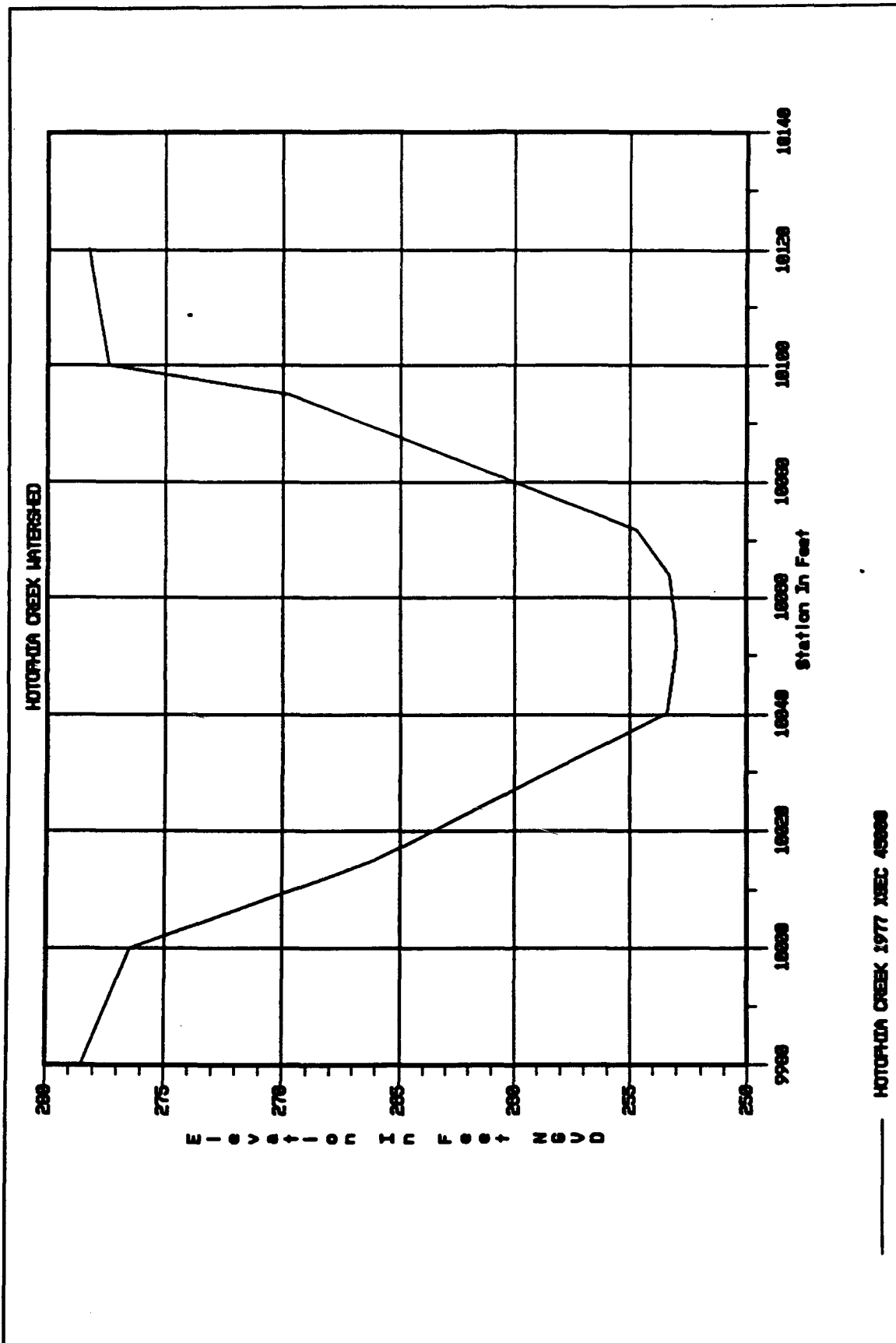


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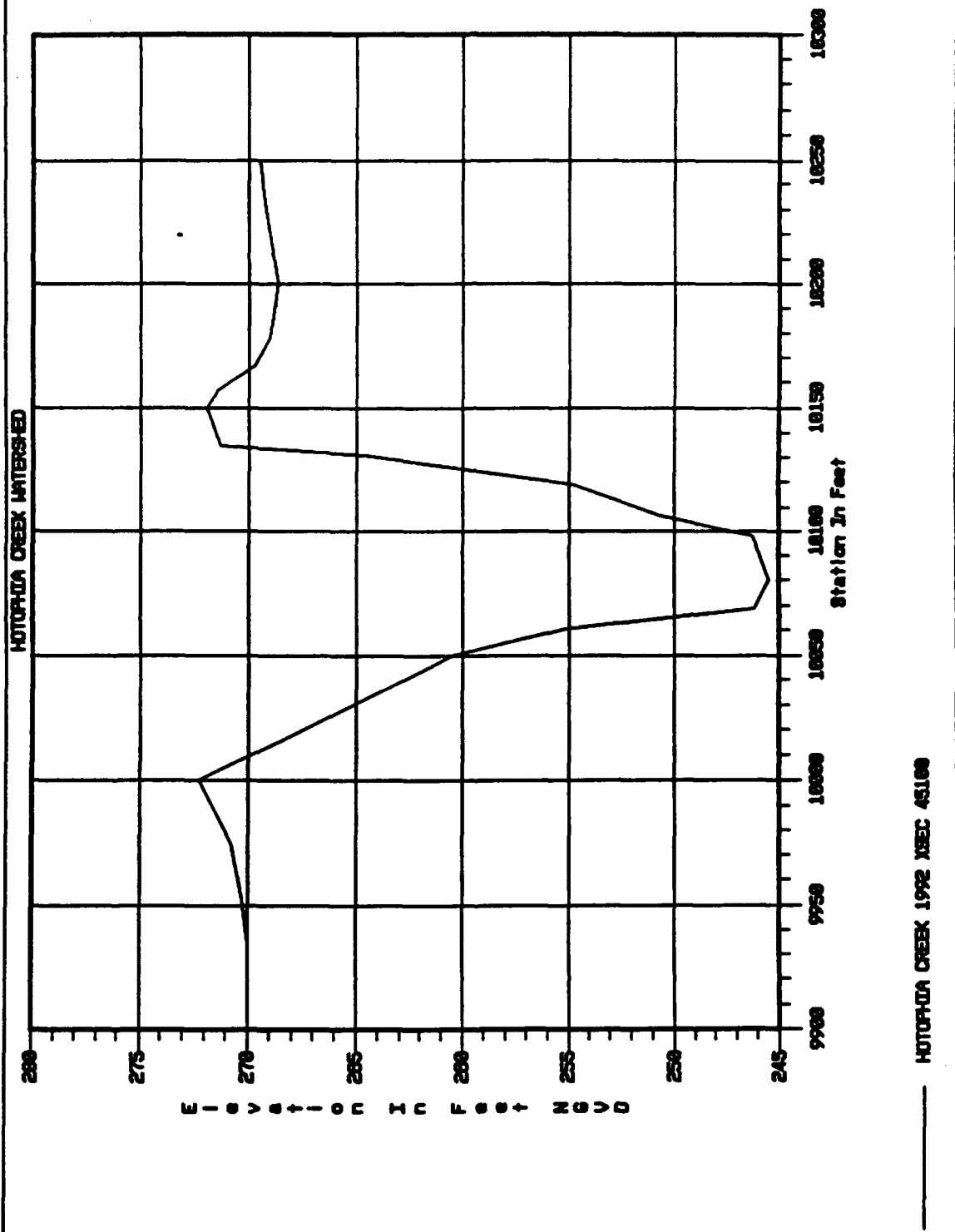


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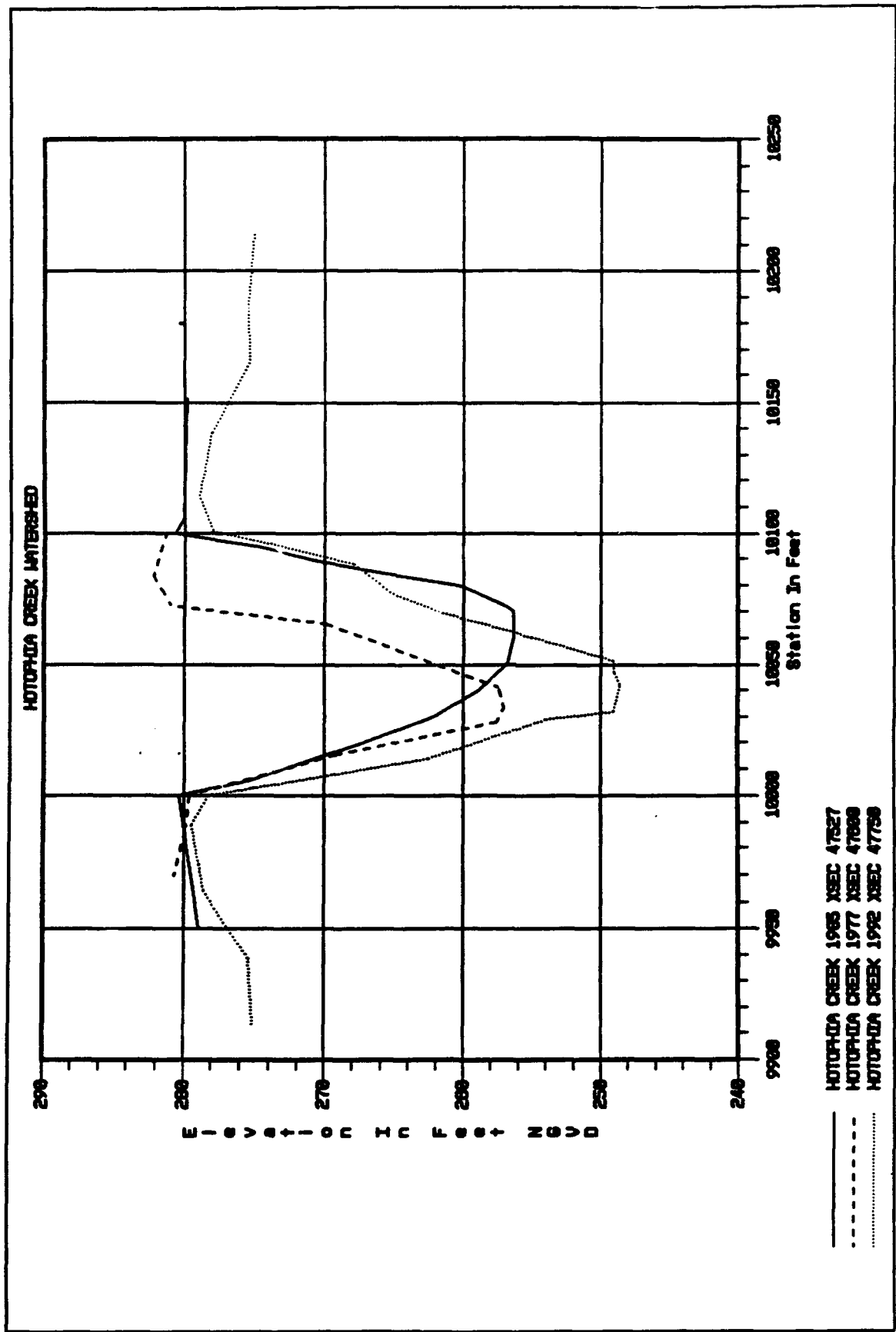


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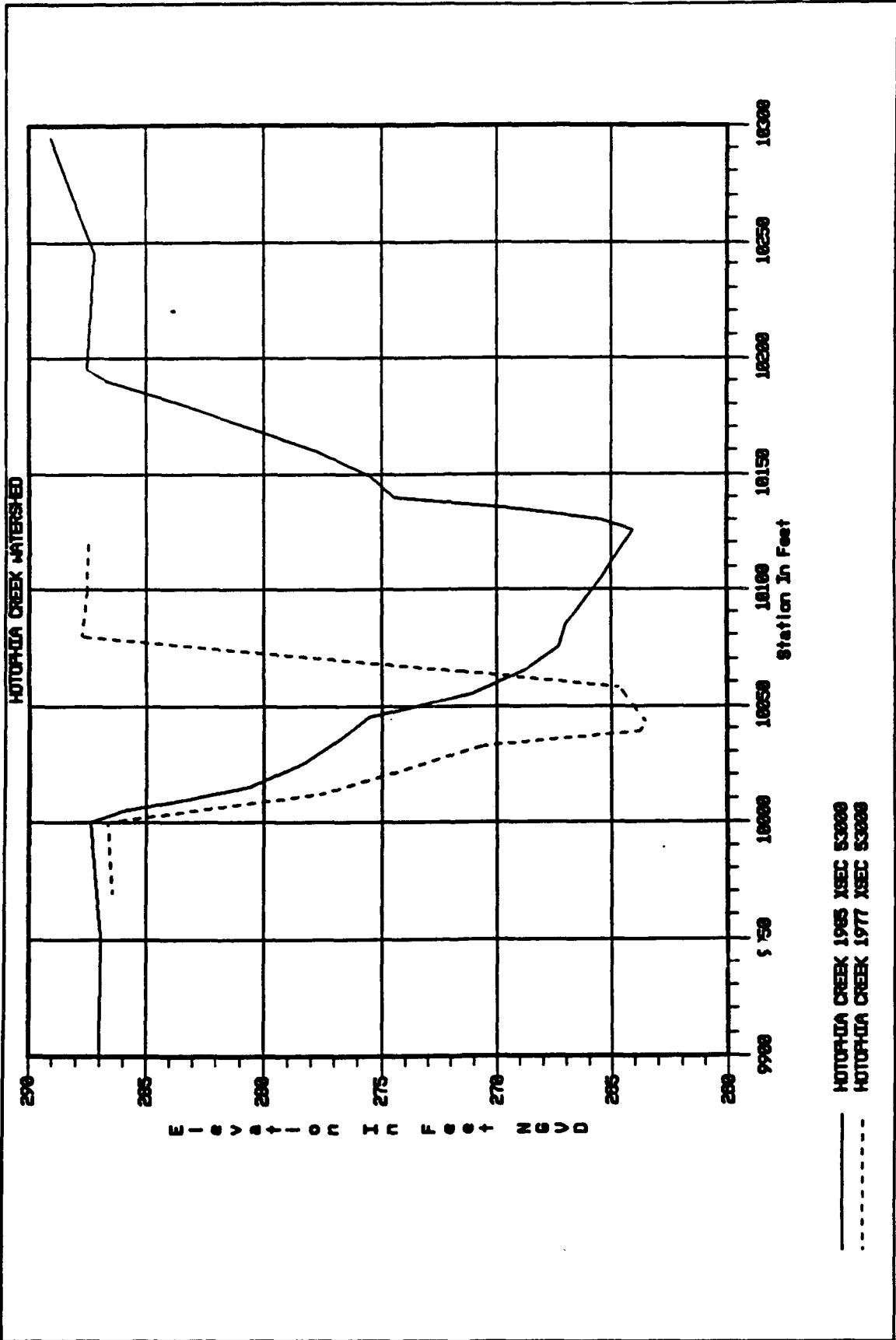
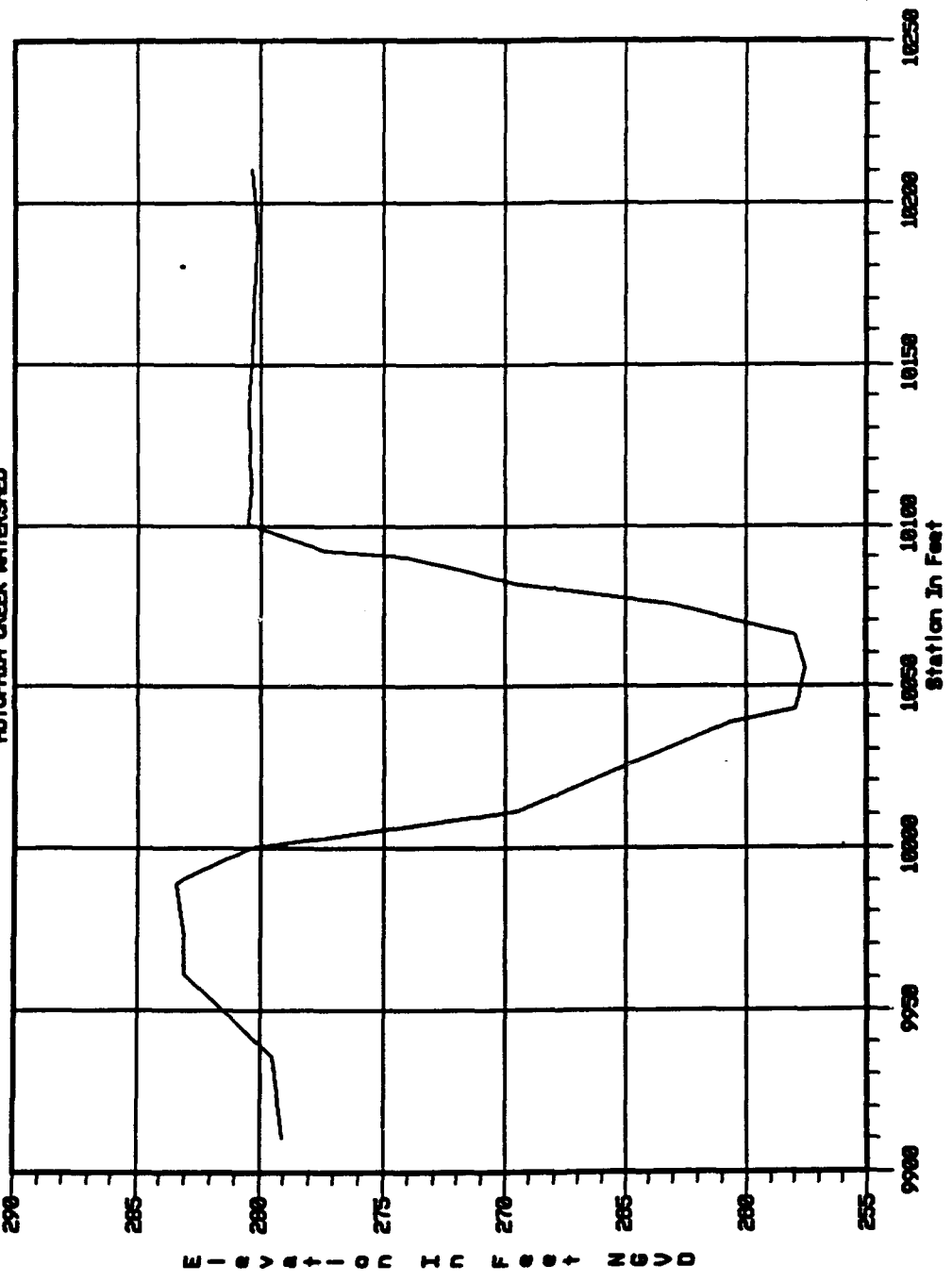
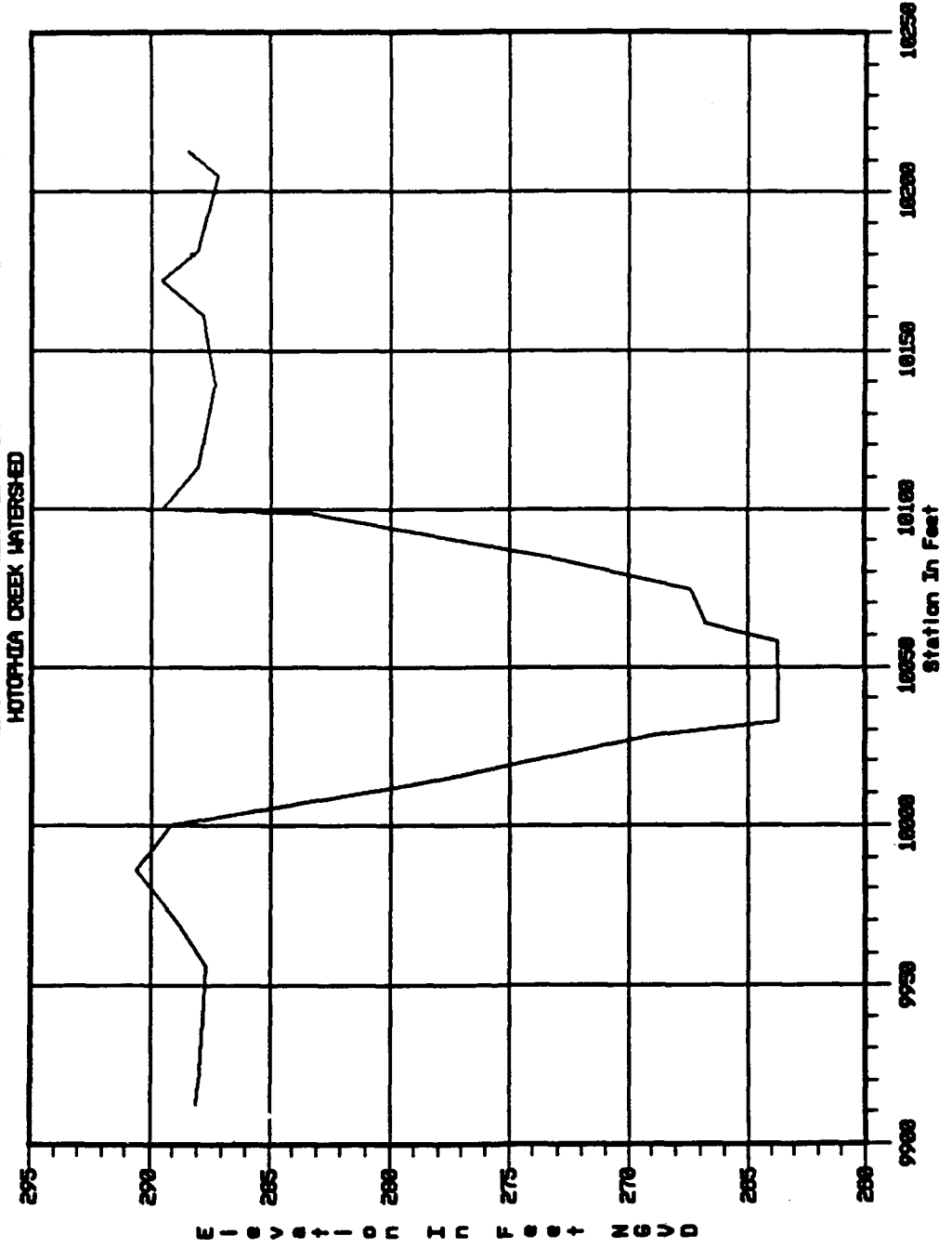


Plate B49

HOTOPIA CREEK WATERSHED



———— HOTOPIA CREEK 1992 XISEC 50200



———— HOTOPIA CREEK 1992 XSEC 52910

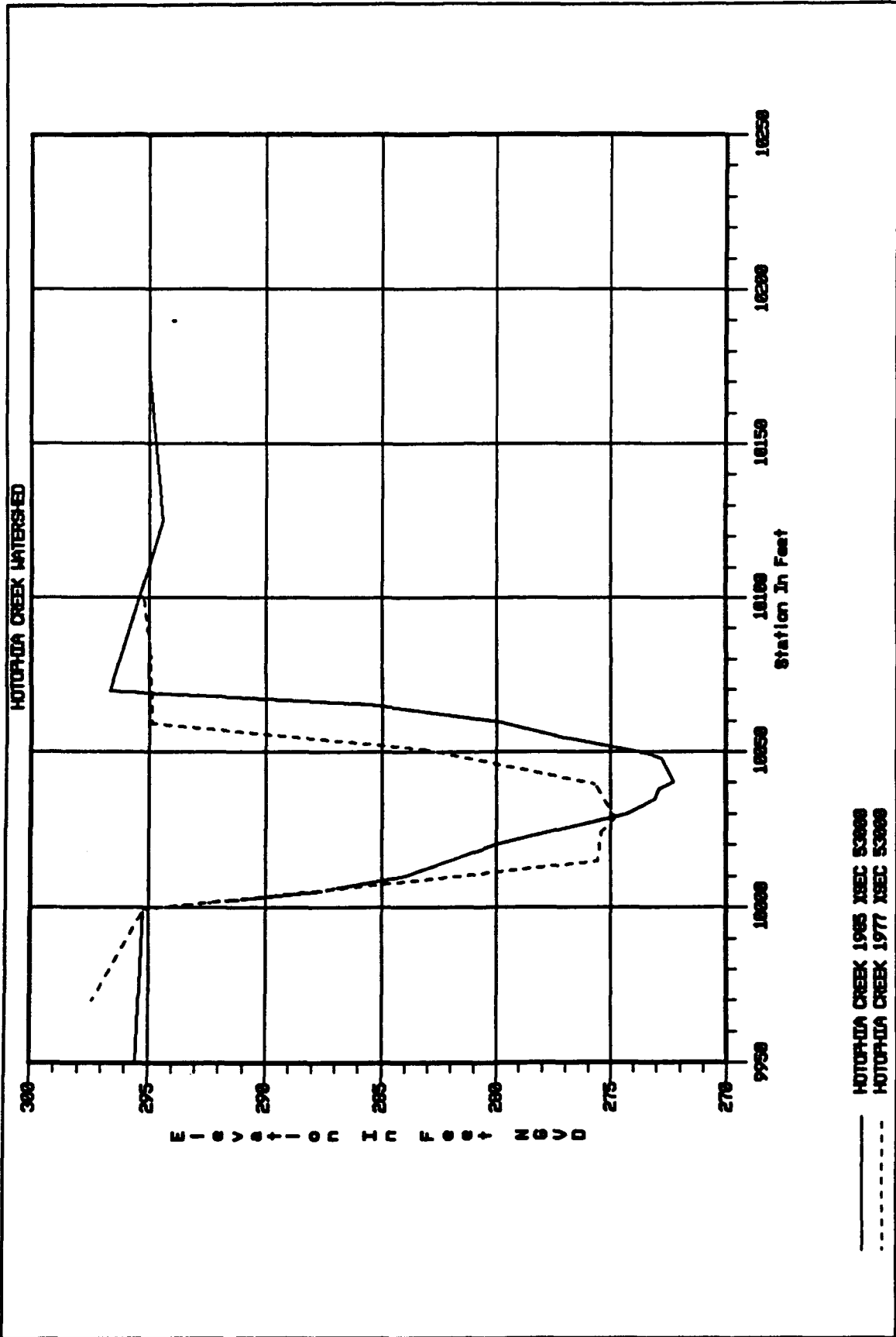
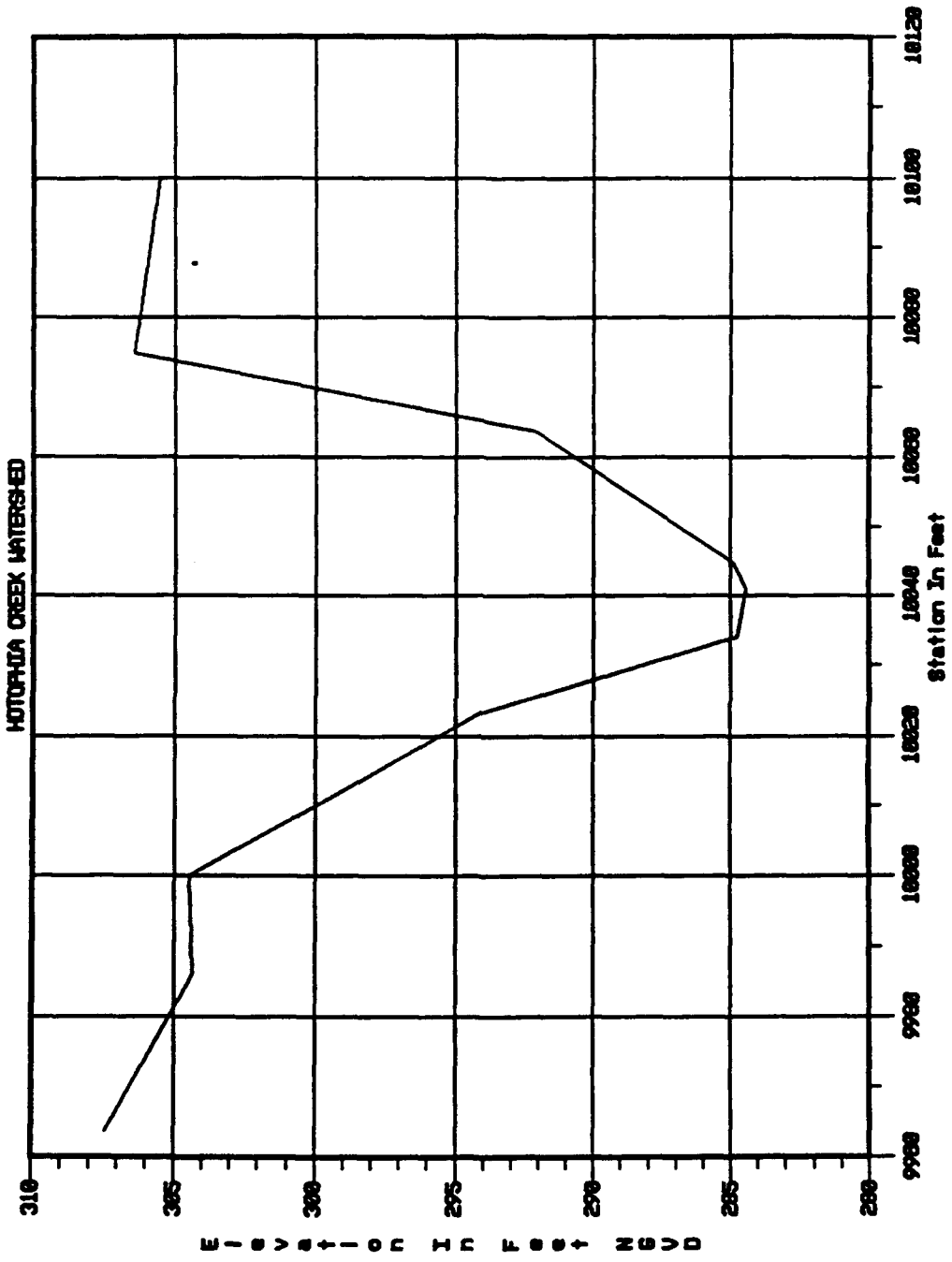


Plate B52



HOTOPULA CREEK 1977 XSEC 85400

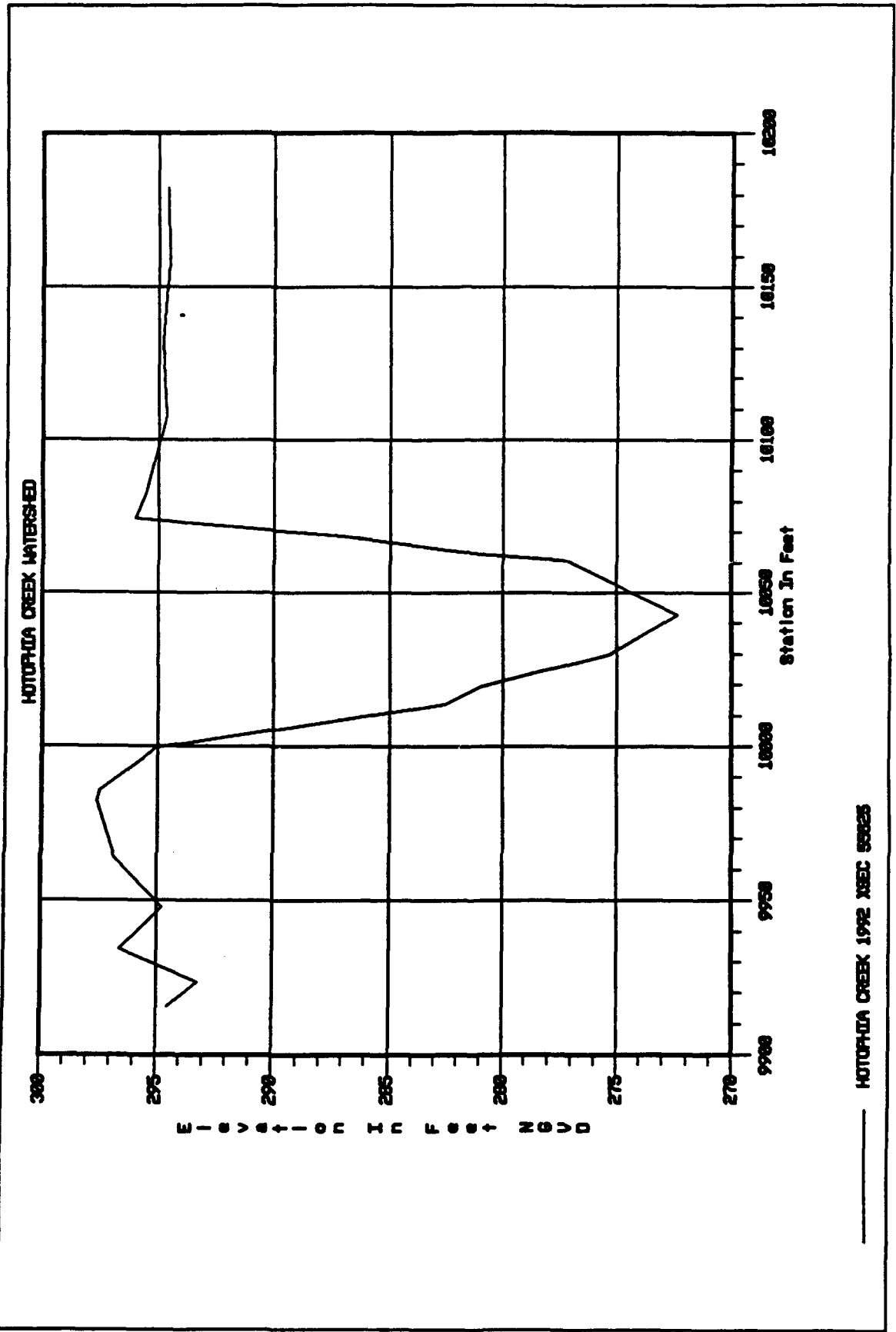
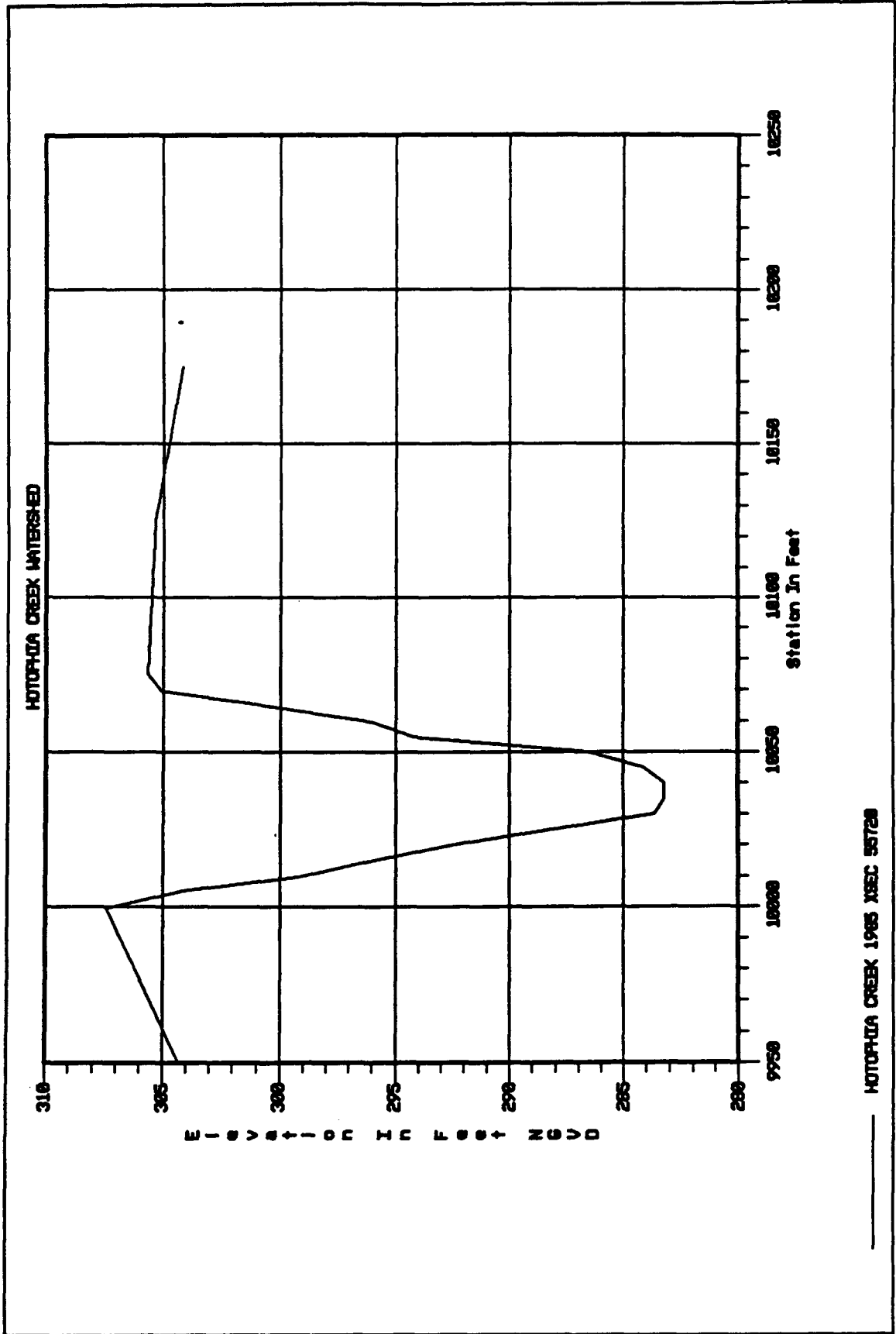


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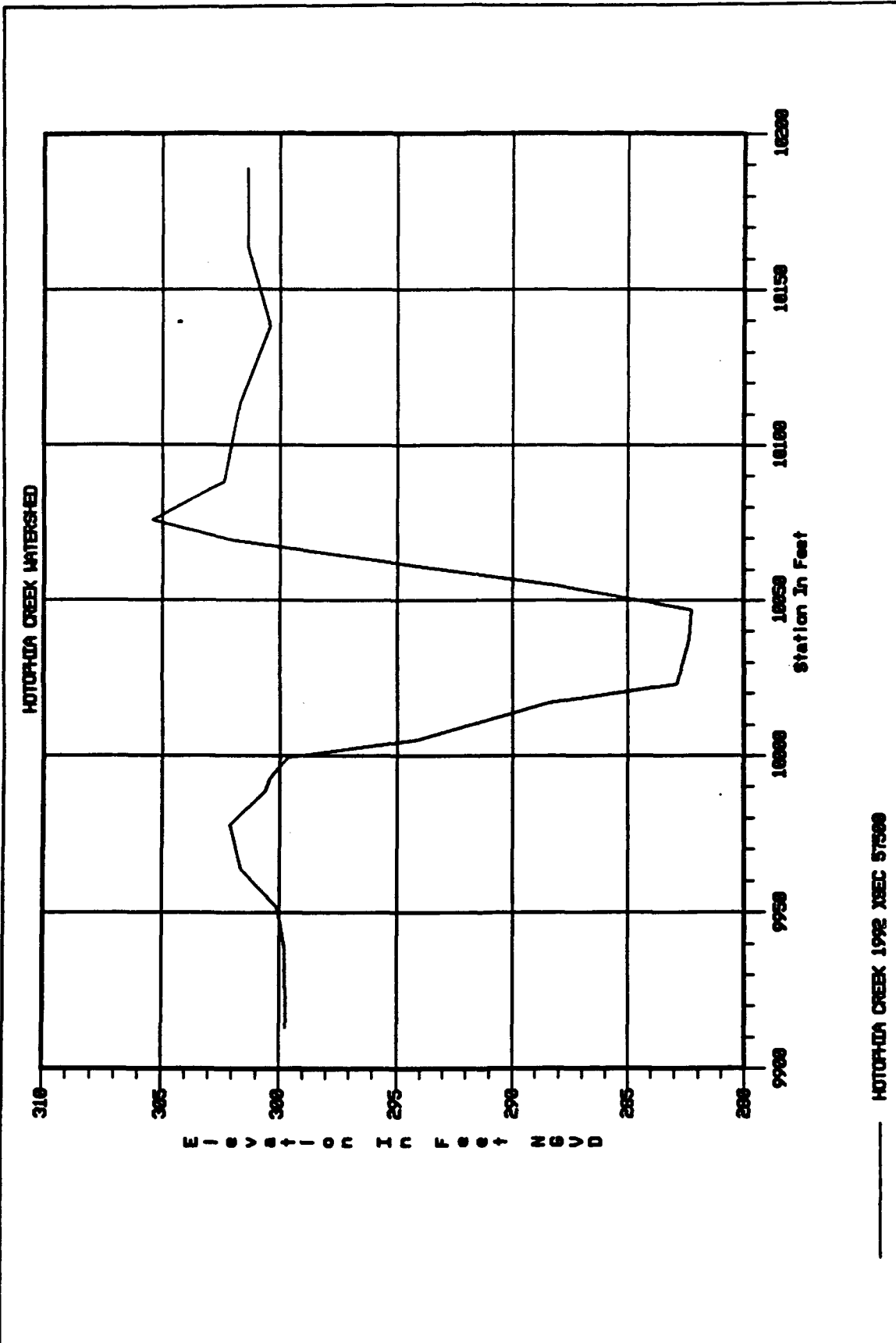


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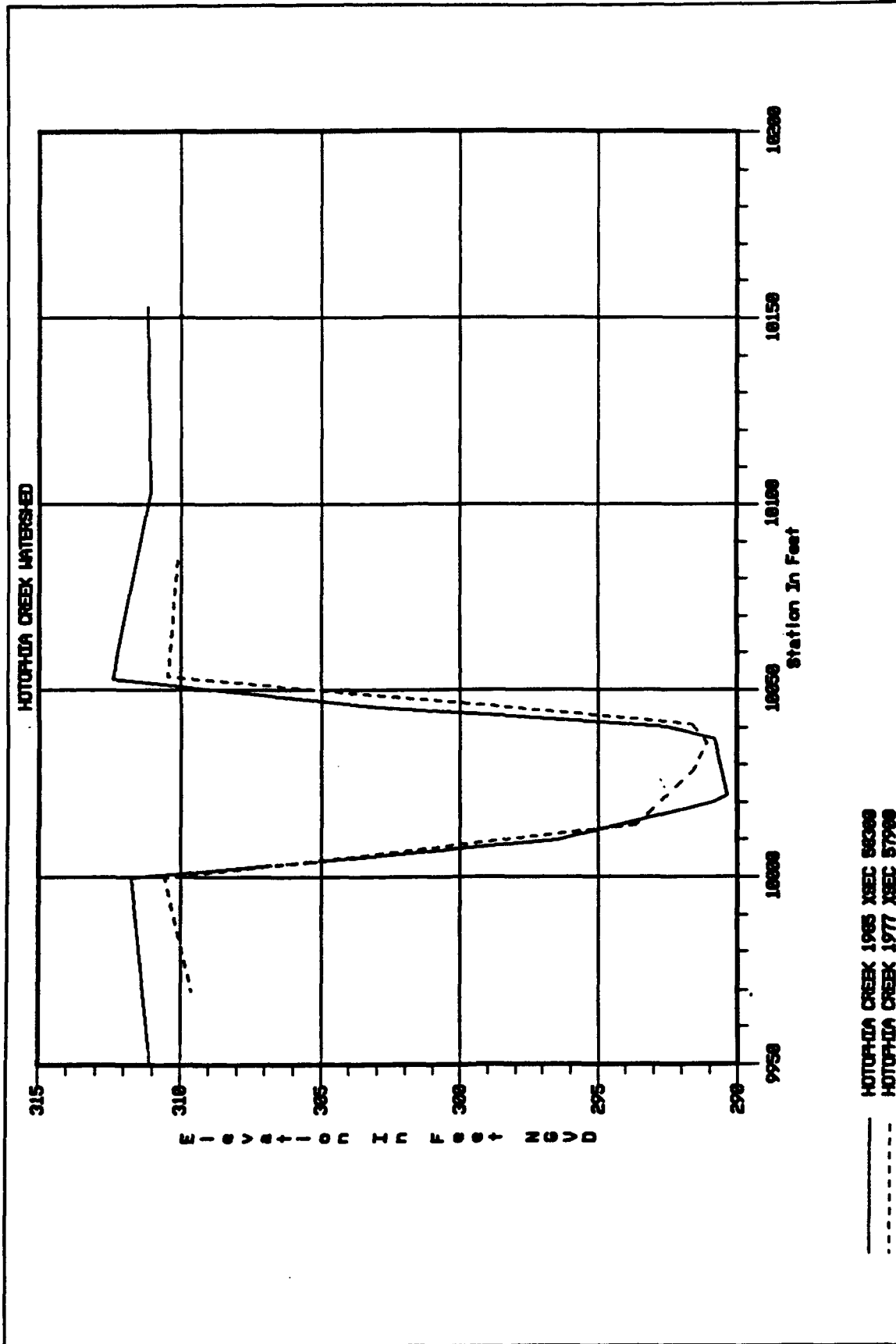


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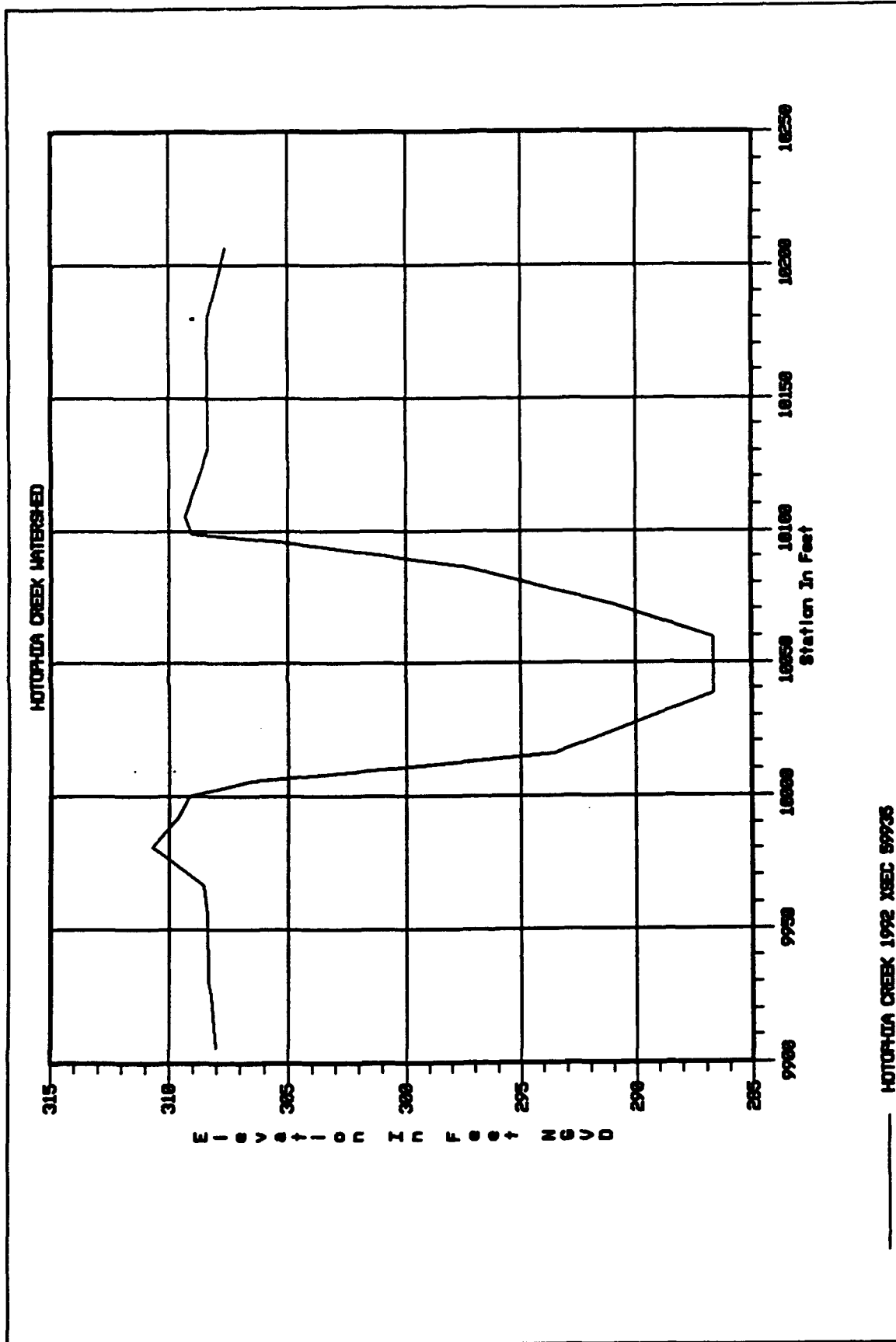


Plate B58

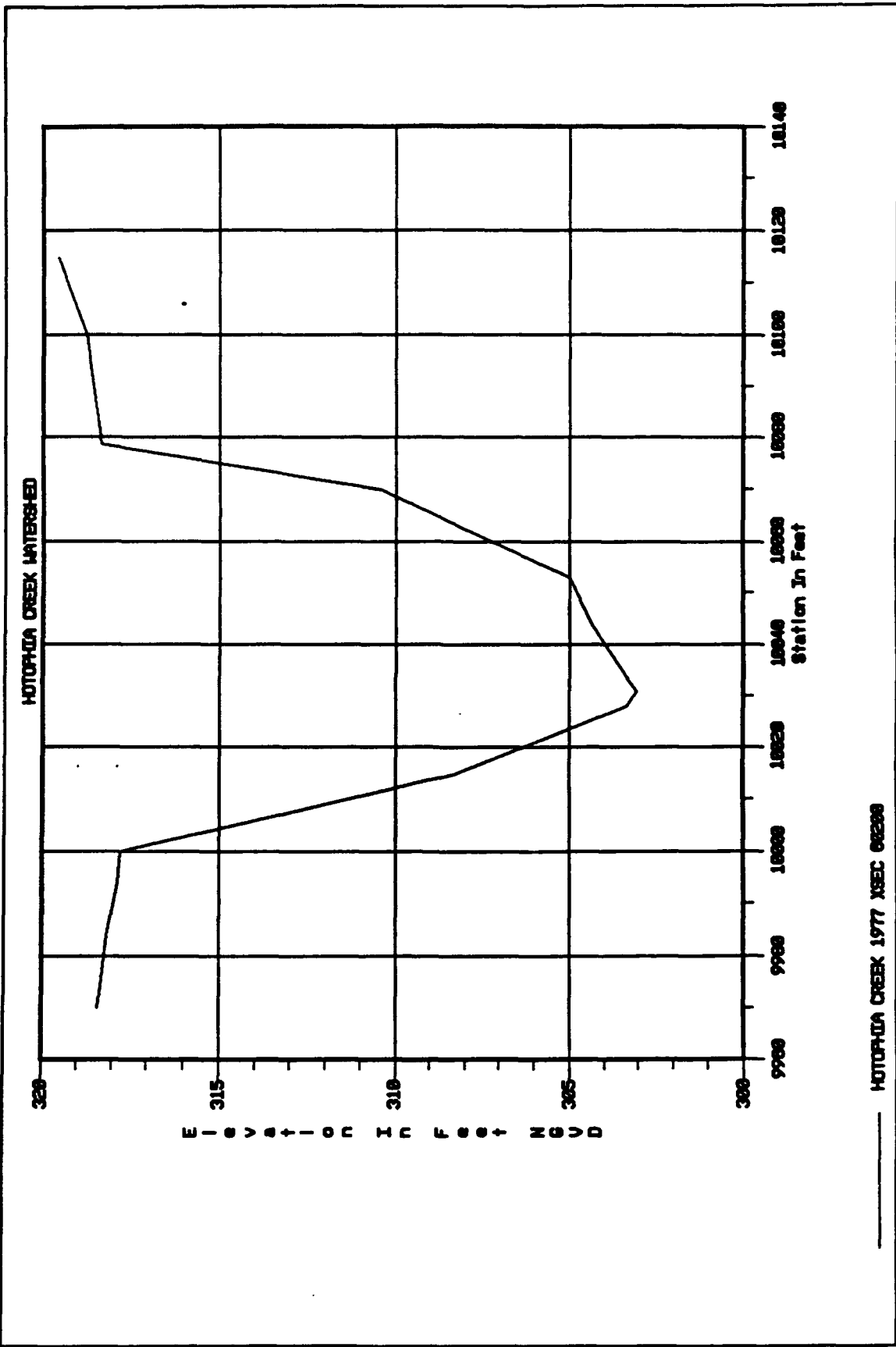


Plate B59

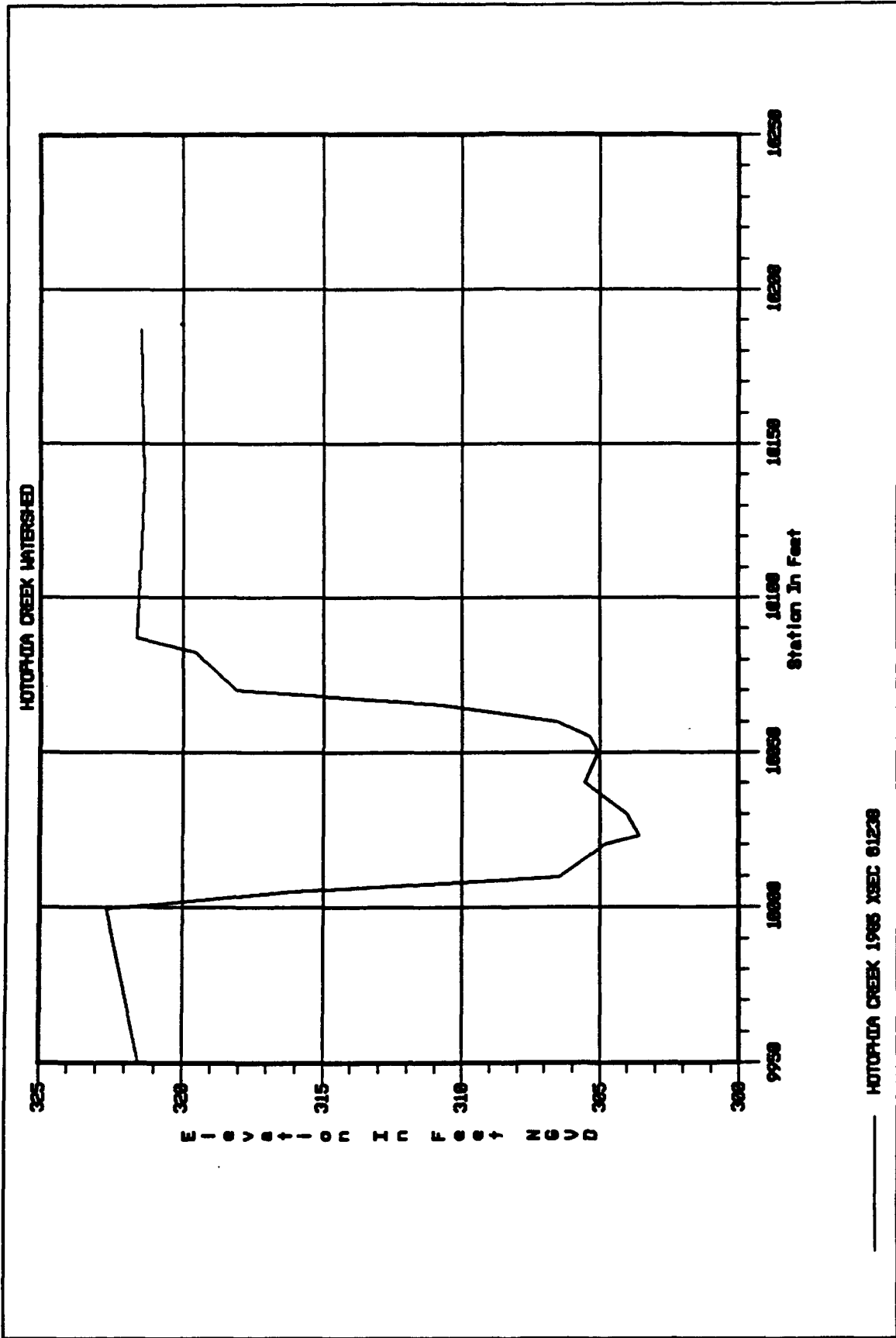
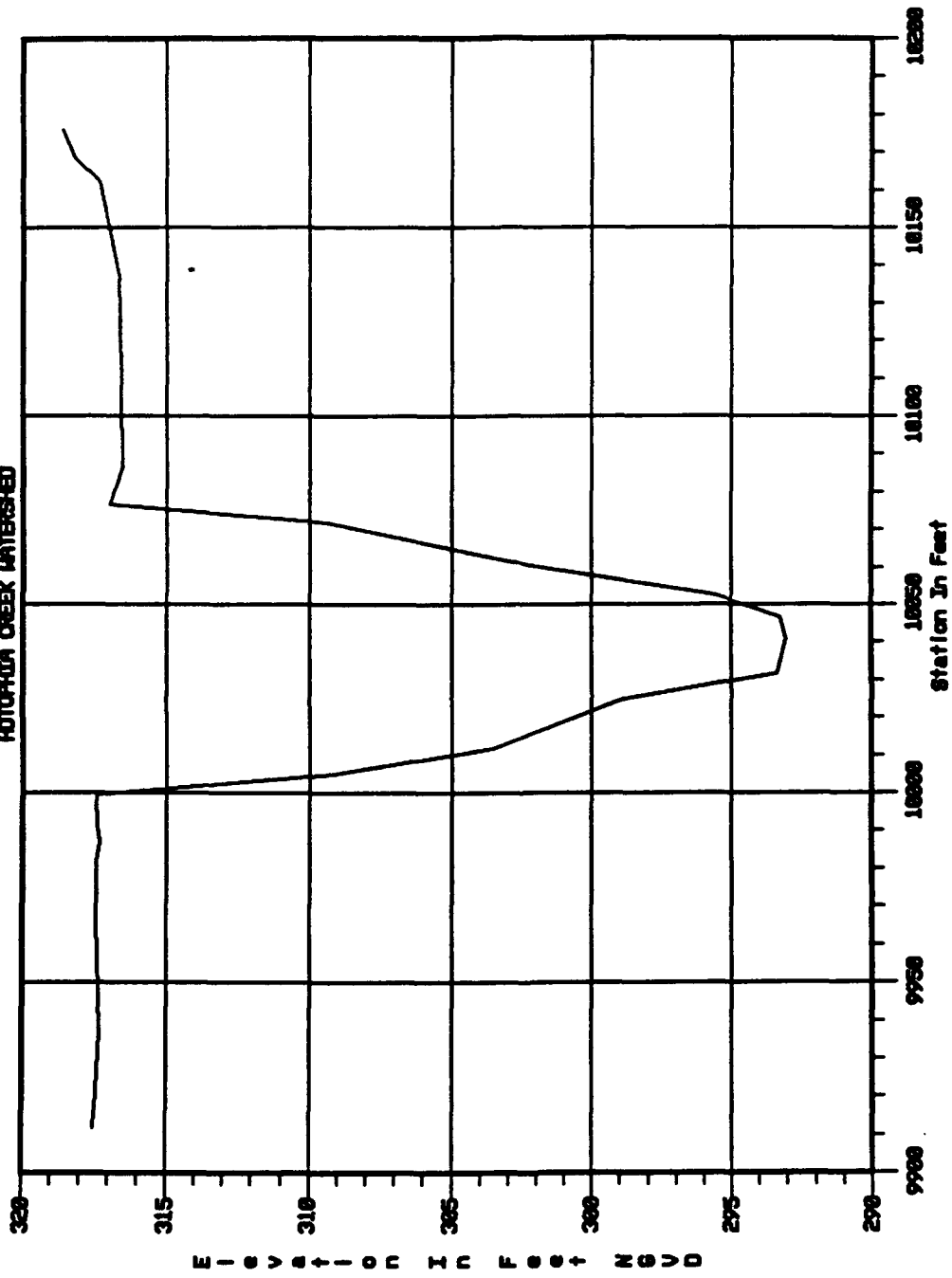


Plate B60

HOTOPIA CREEK WATERSHED



———— HOTOPIA CREEK 1992 XISEC 82825

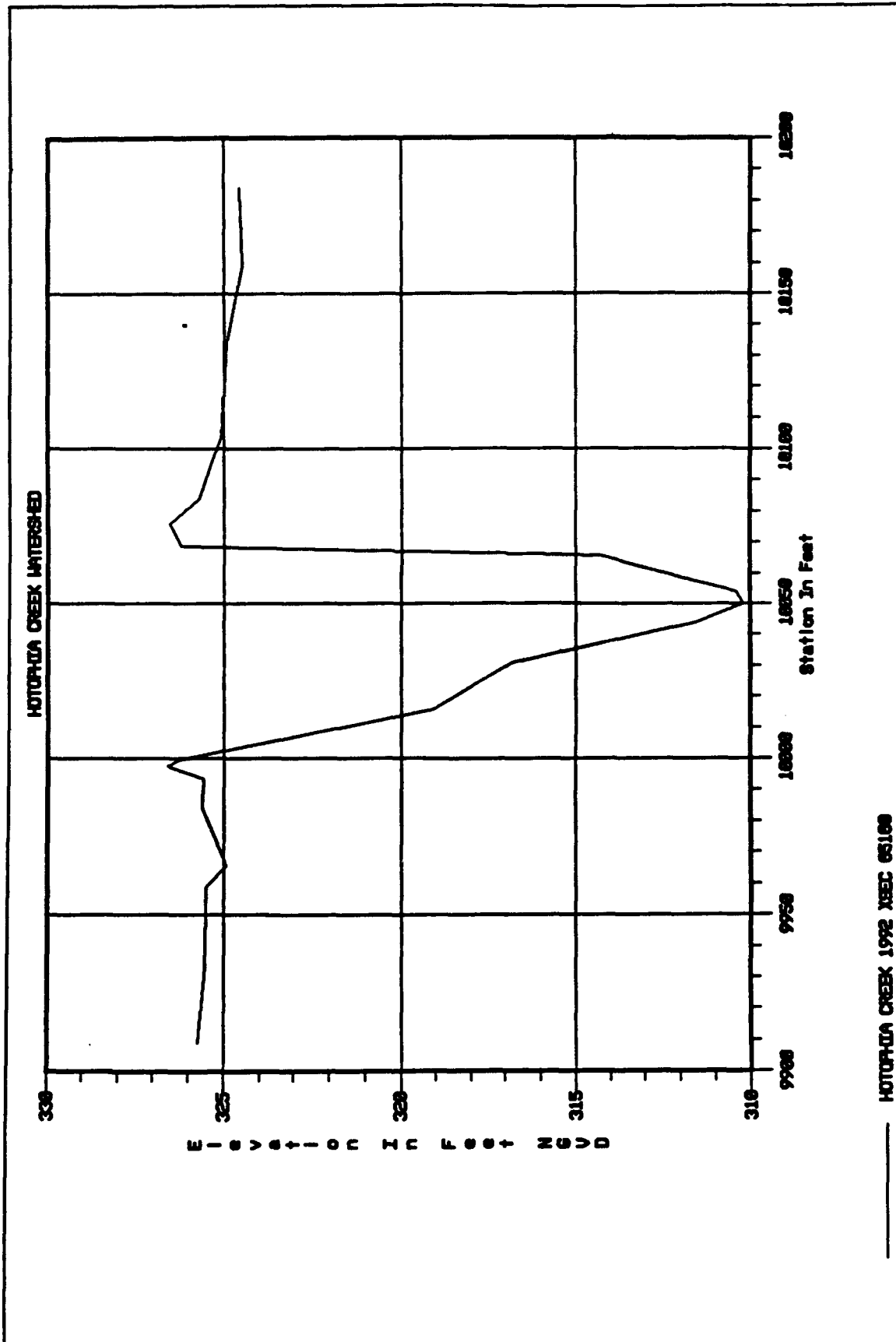
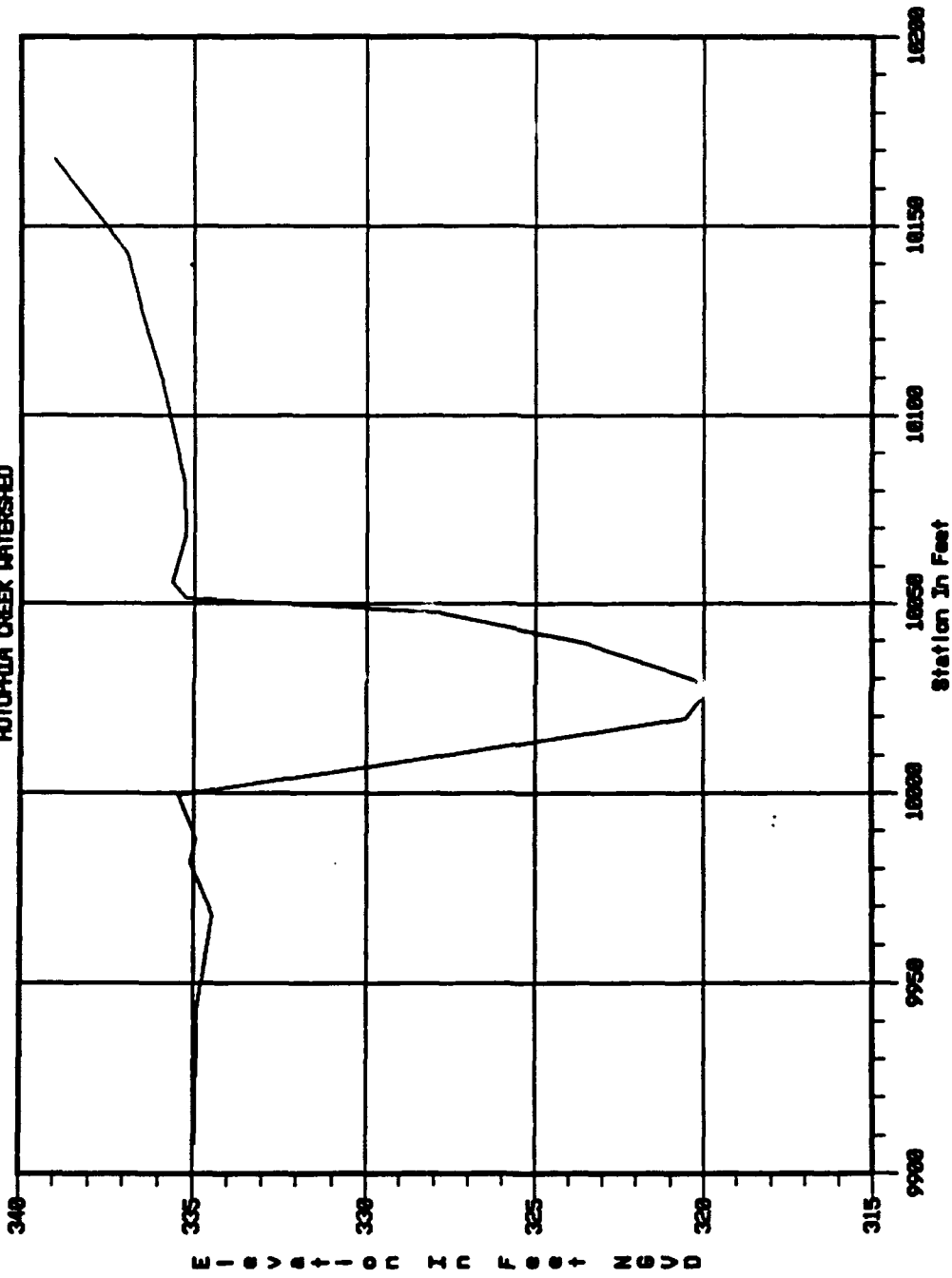


Plate B62

HOTOPIA CREEK WATERSHED



———— HOTOPIA CREEK 1992 XSEC 07000

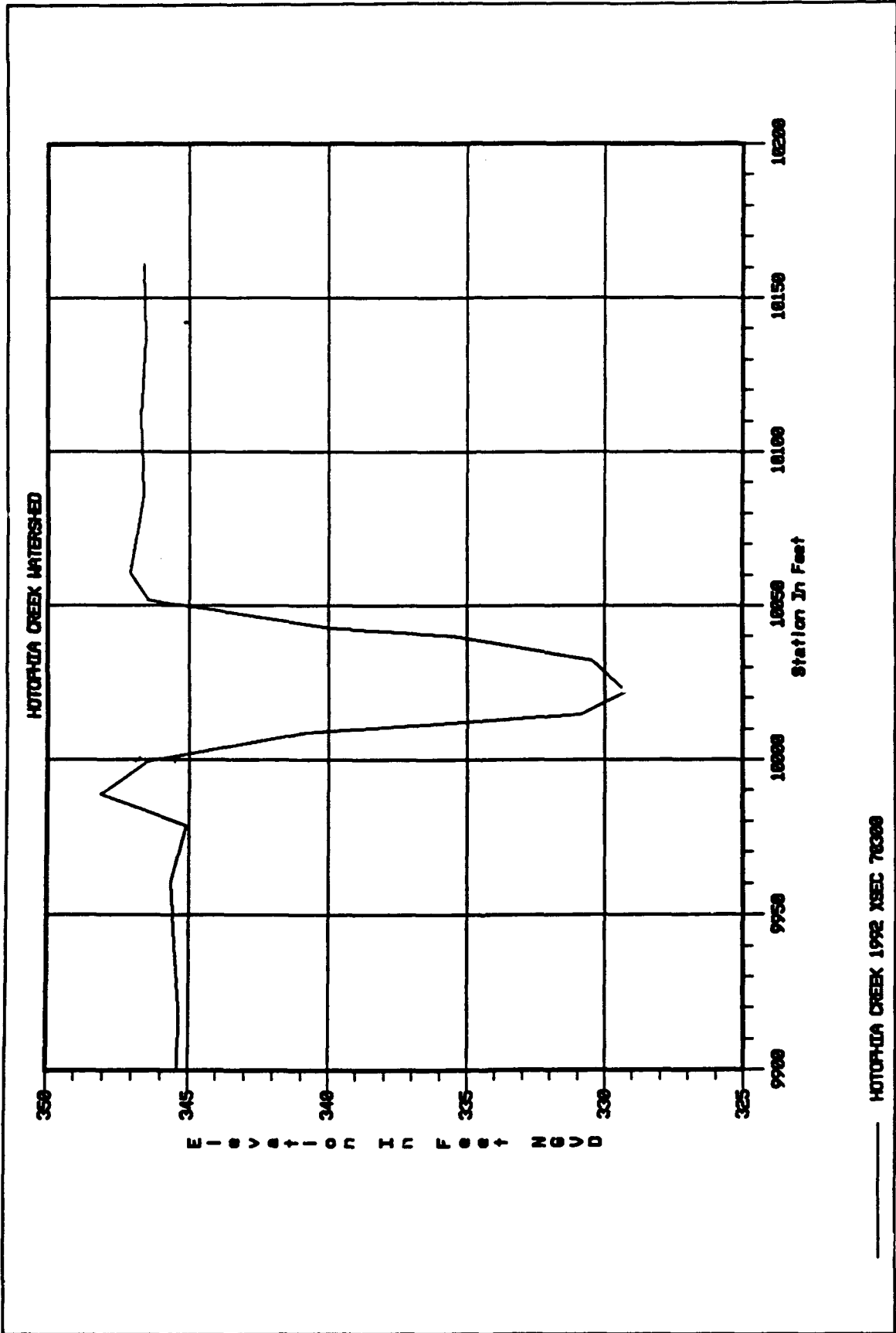


Plate B64

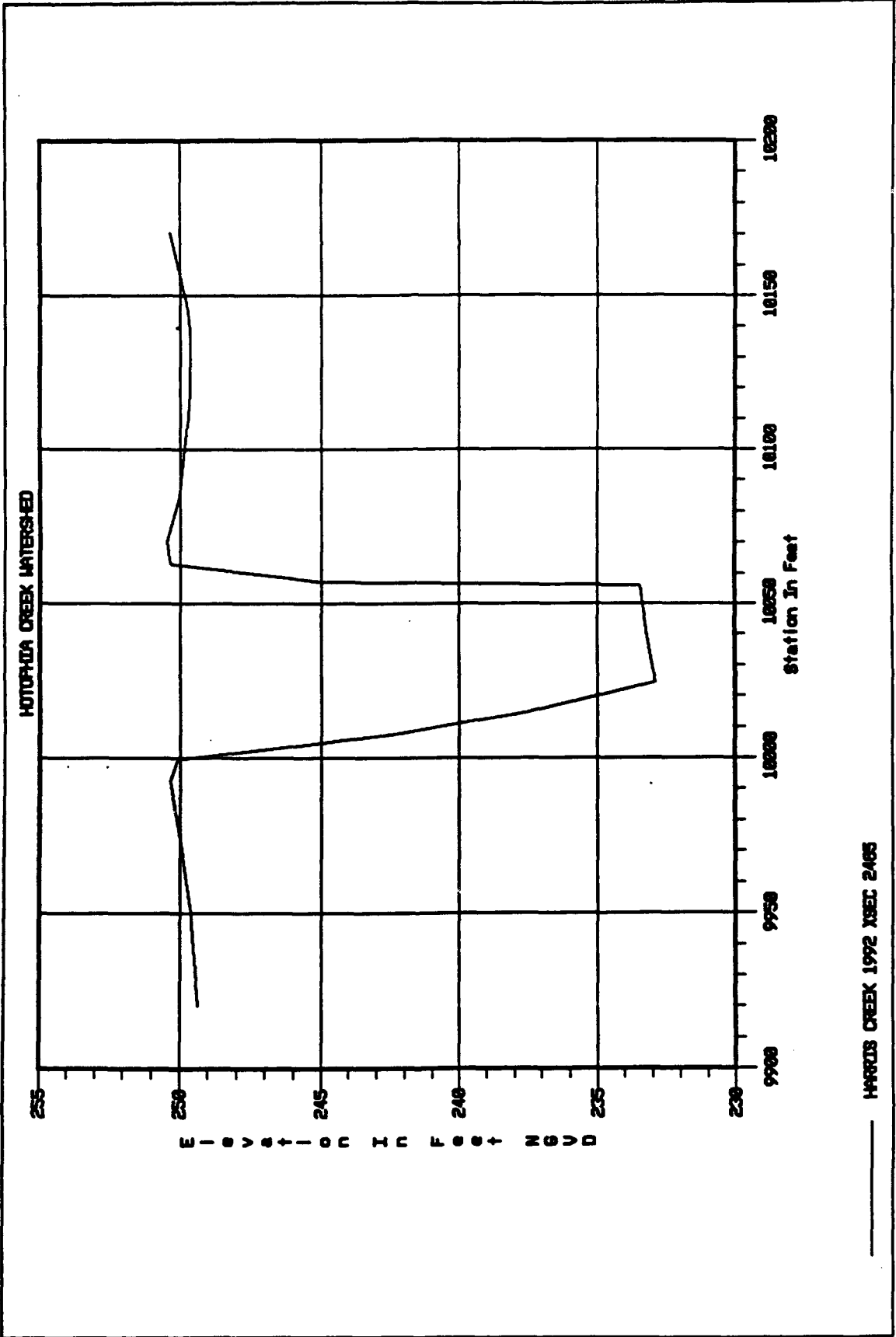


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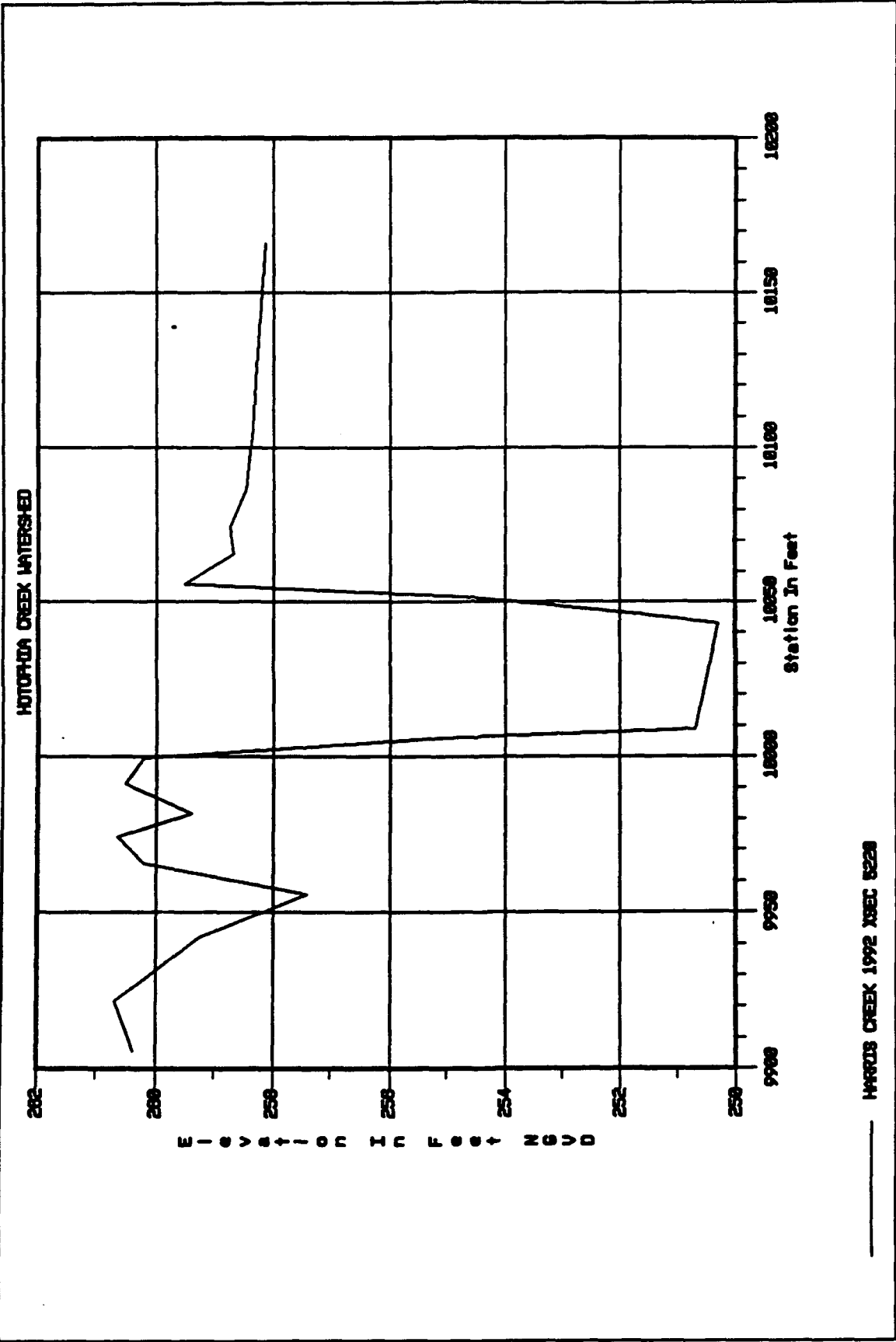


Plate B66

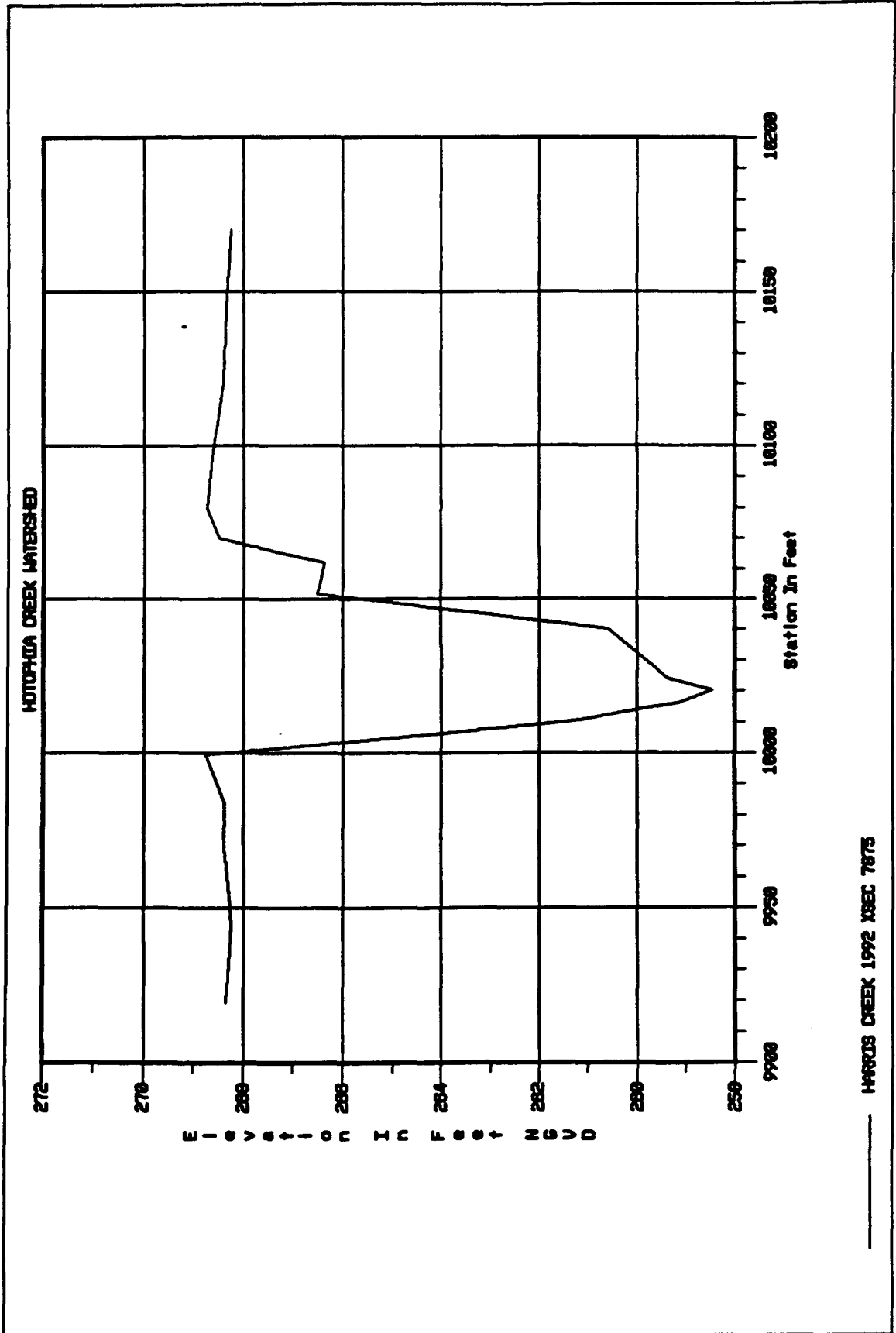
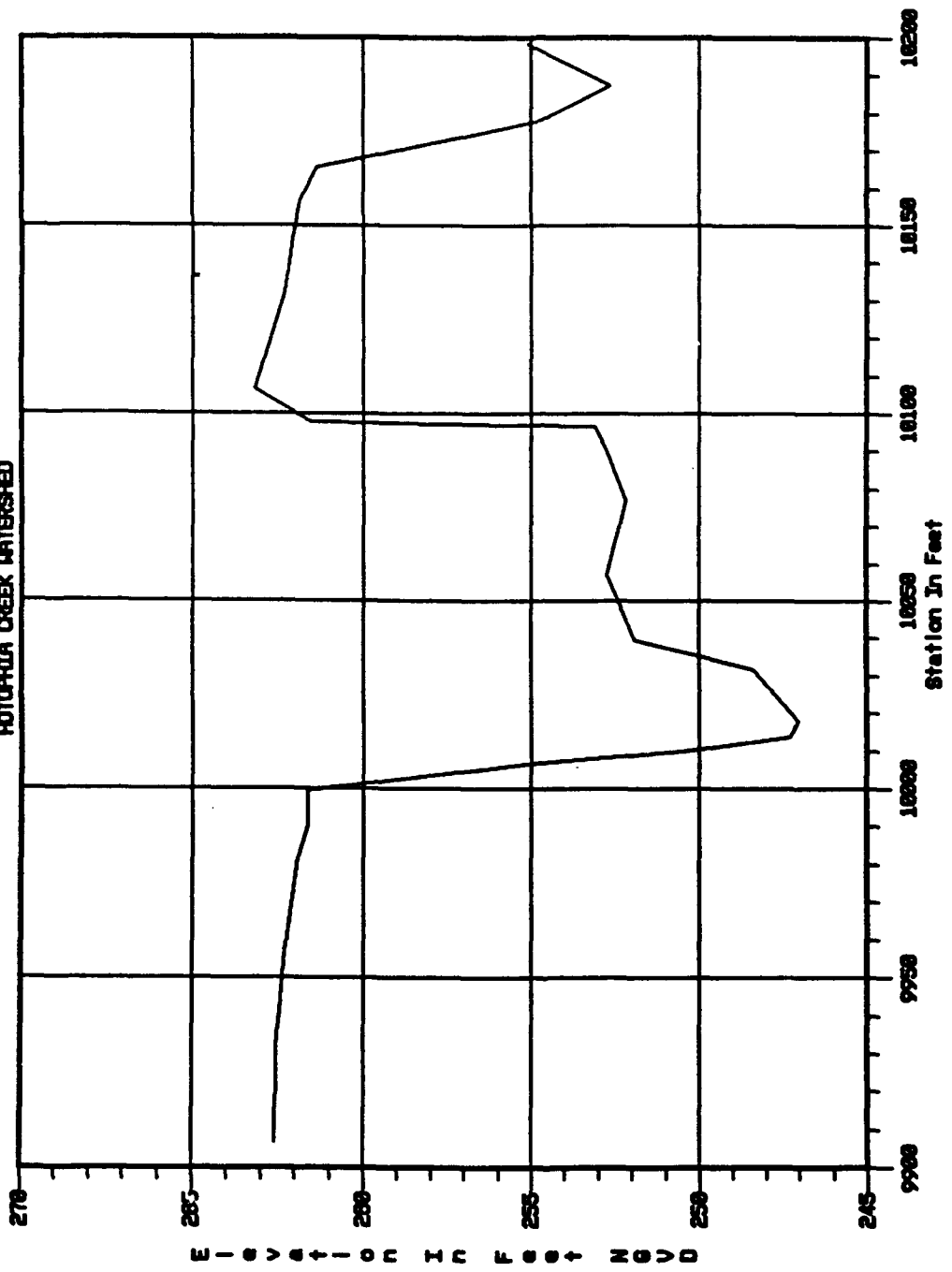


Plate B67

HOTORUA CREEK WATERSHED



MOLL CREEK 1992 XSEC 2025

Plate B68

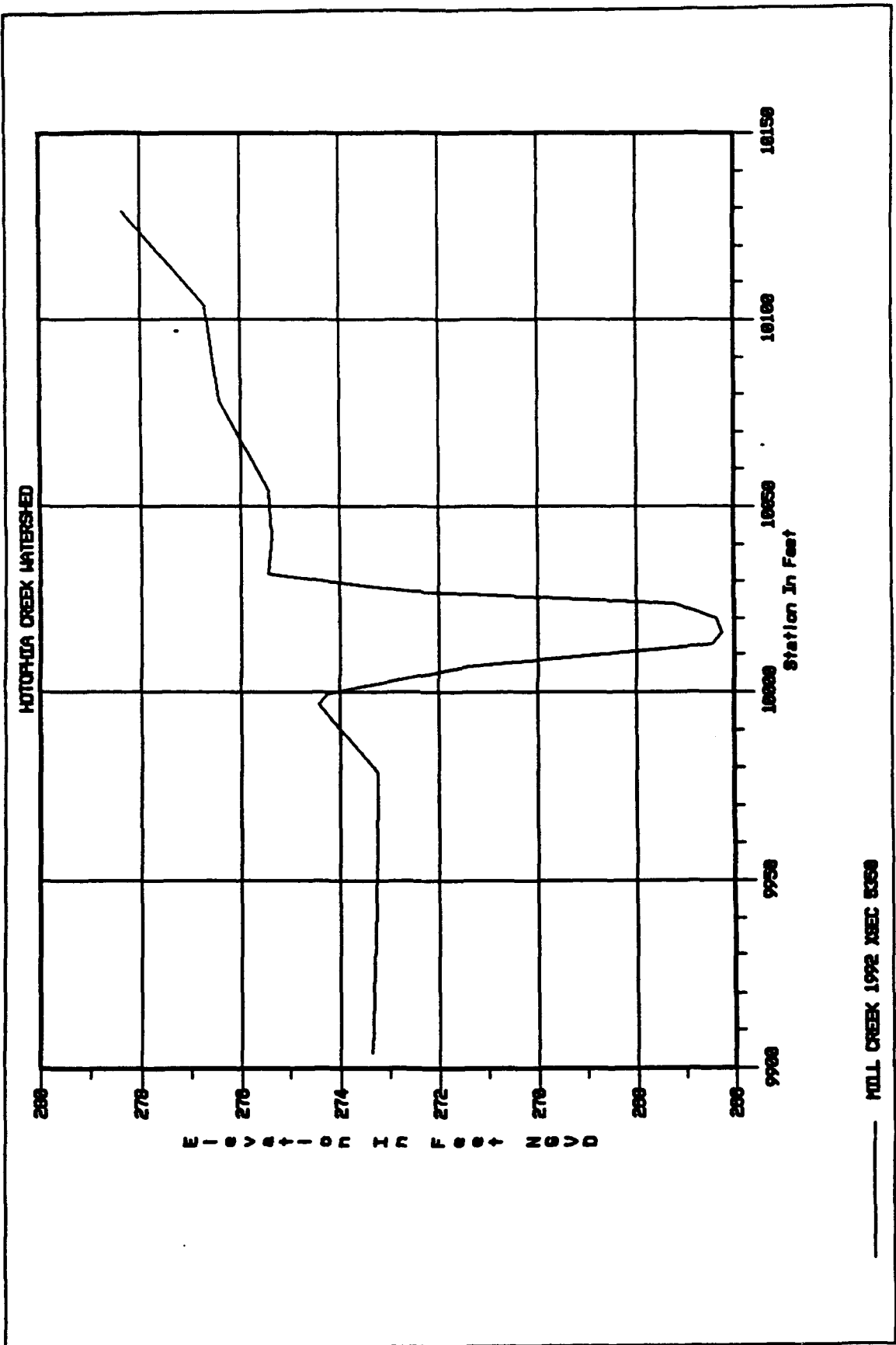


Plate B69

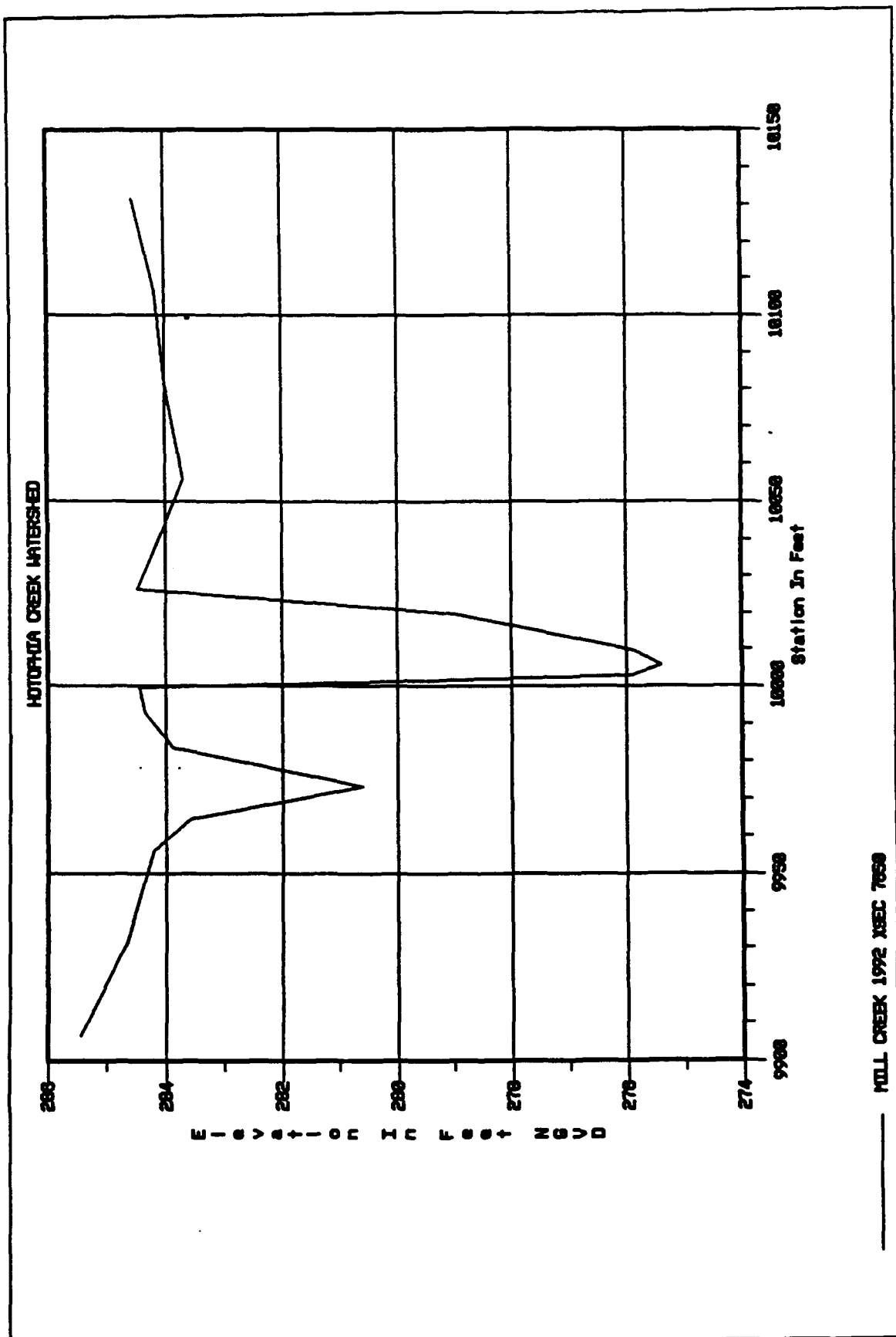


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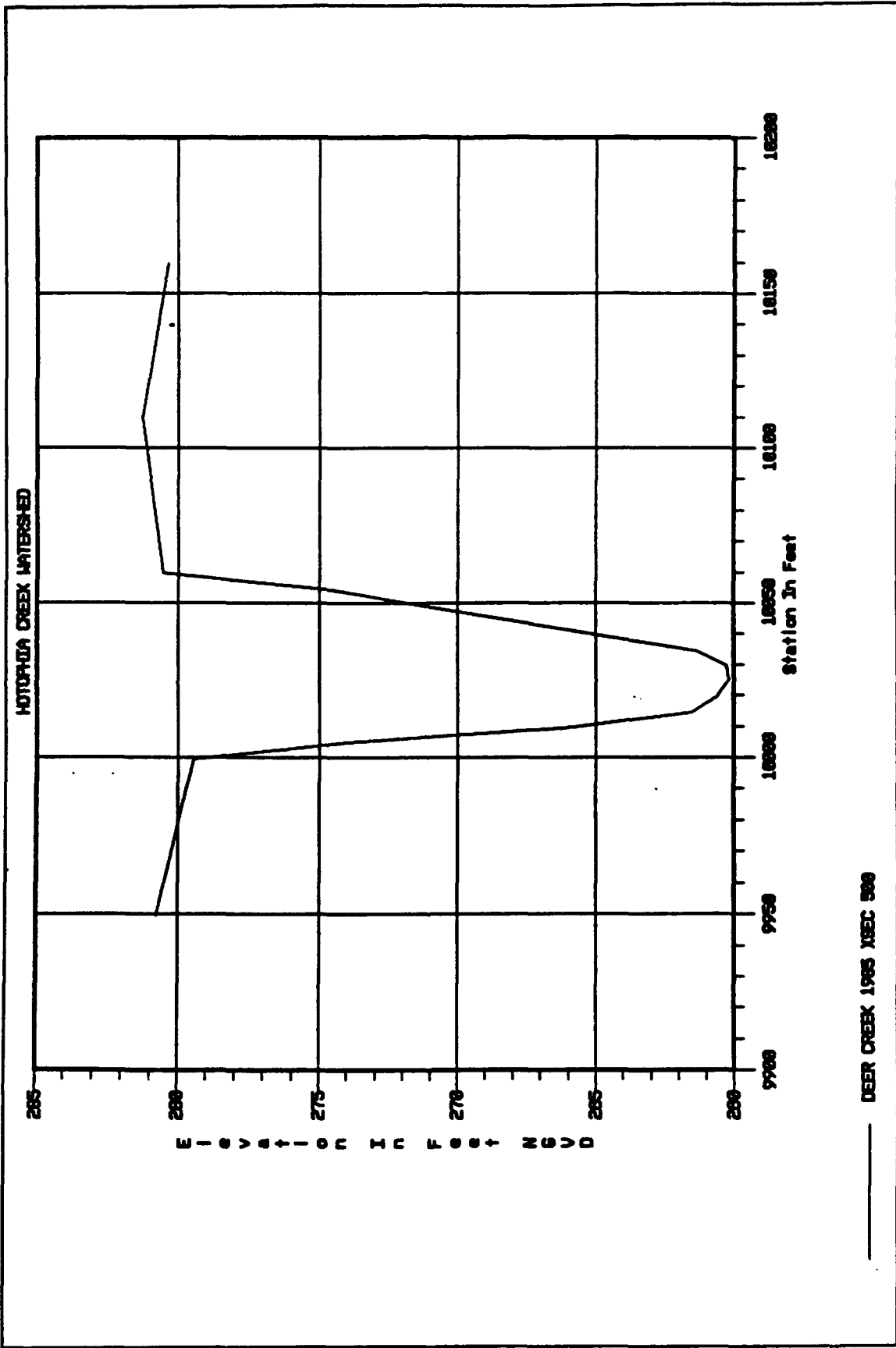
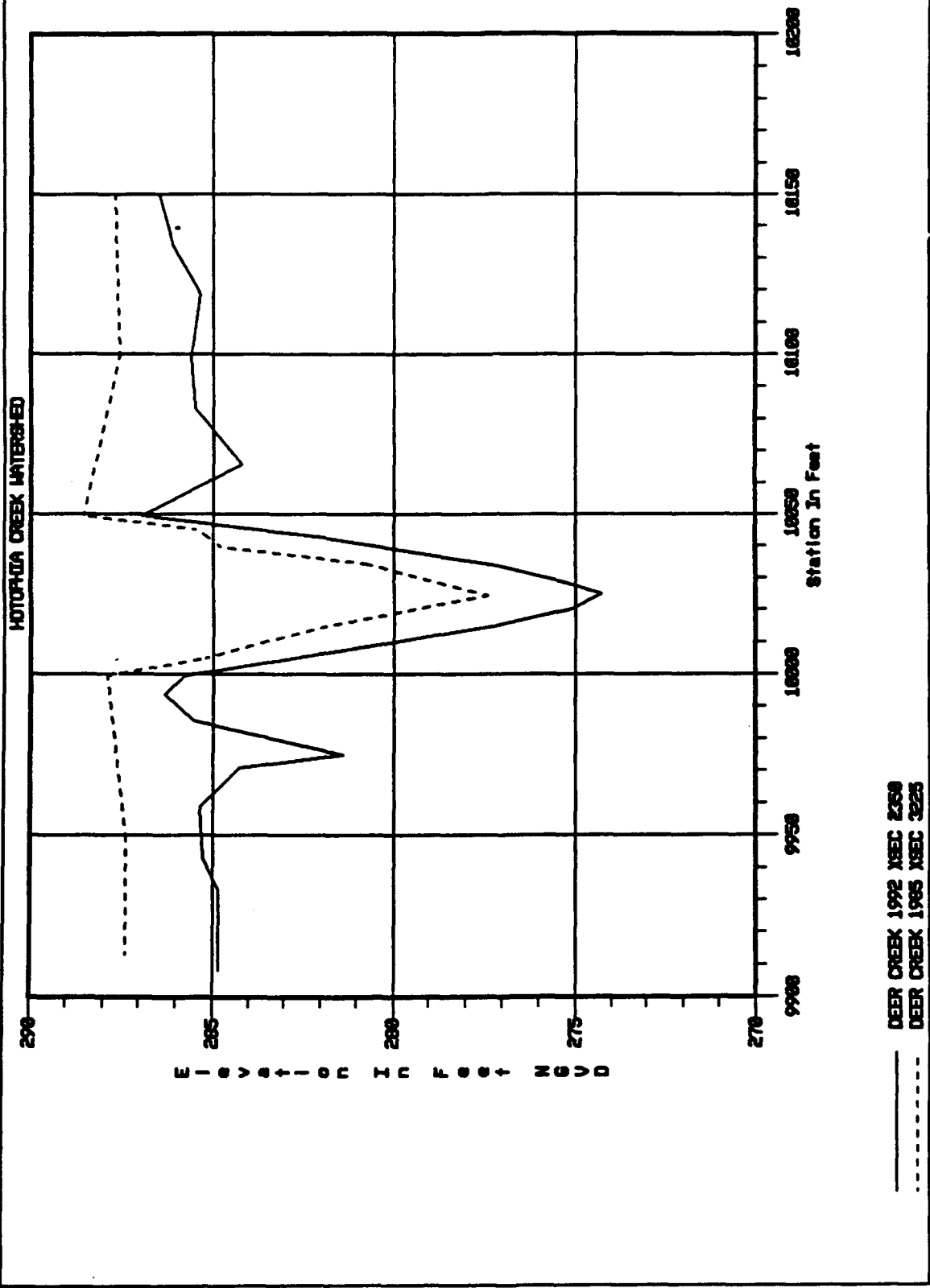


Plate B71

HOTOPIA CREEK WATERSHED



DEER CREEK 1992 XSEC 2358
DEER CREEK 1985 XSEC 3225

Plate B72

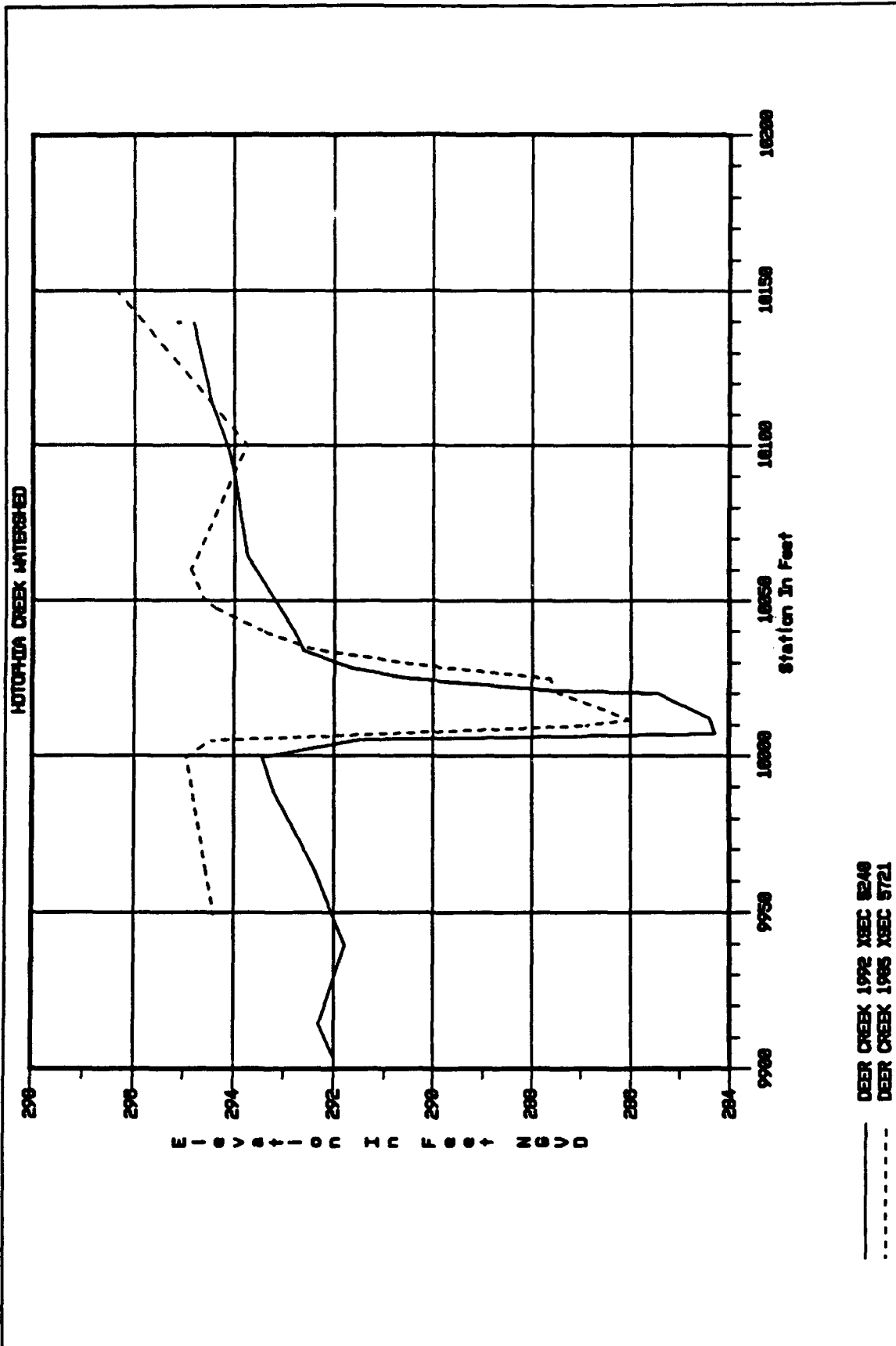


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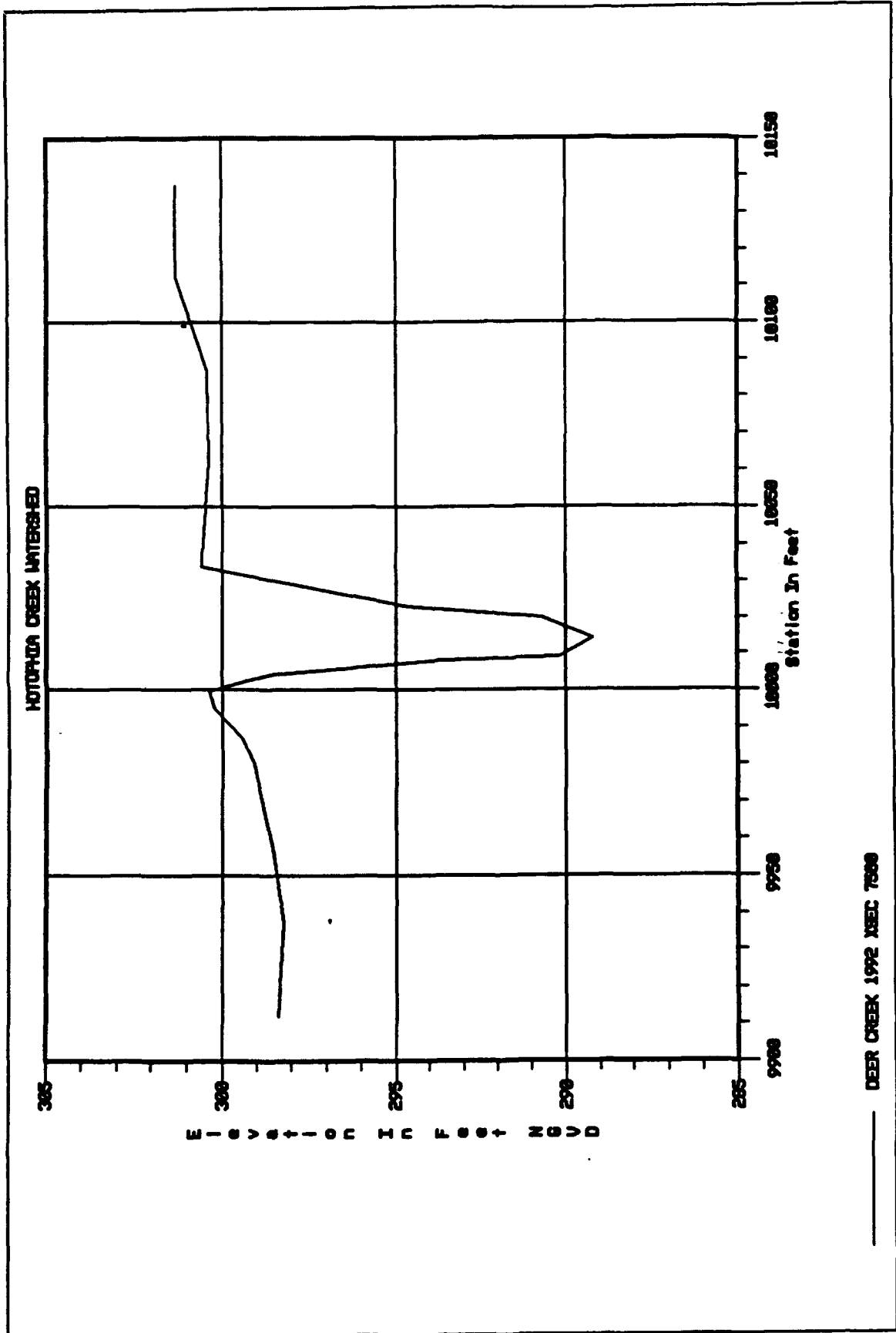


Plate B74

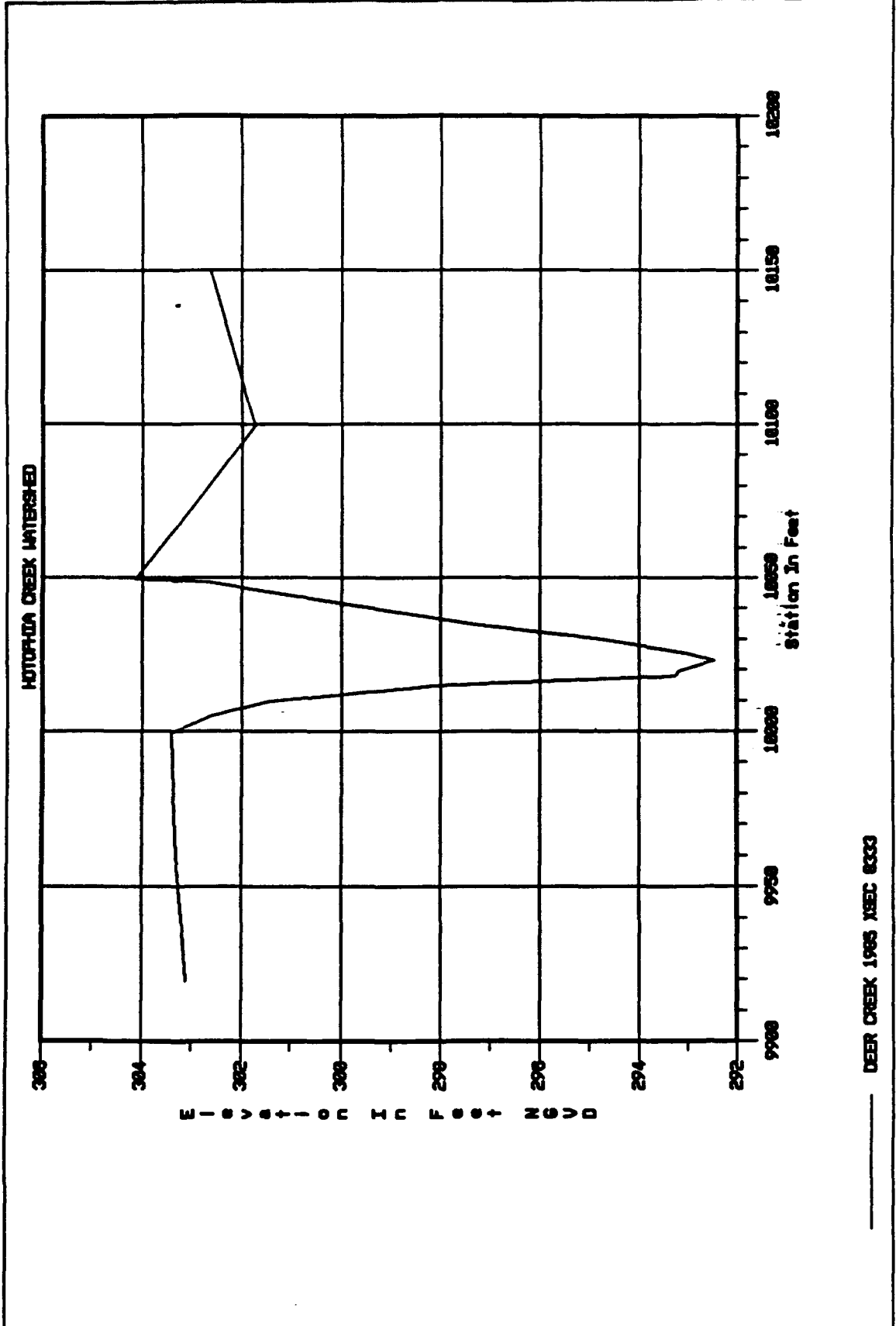


Plate B75

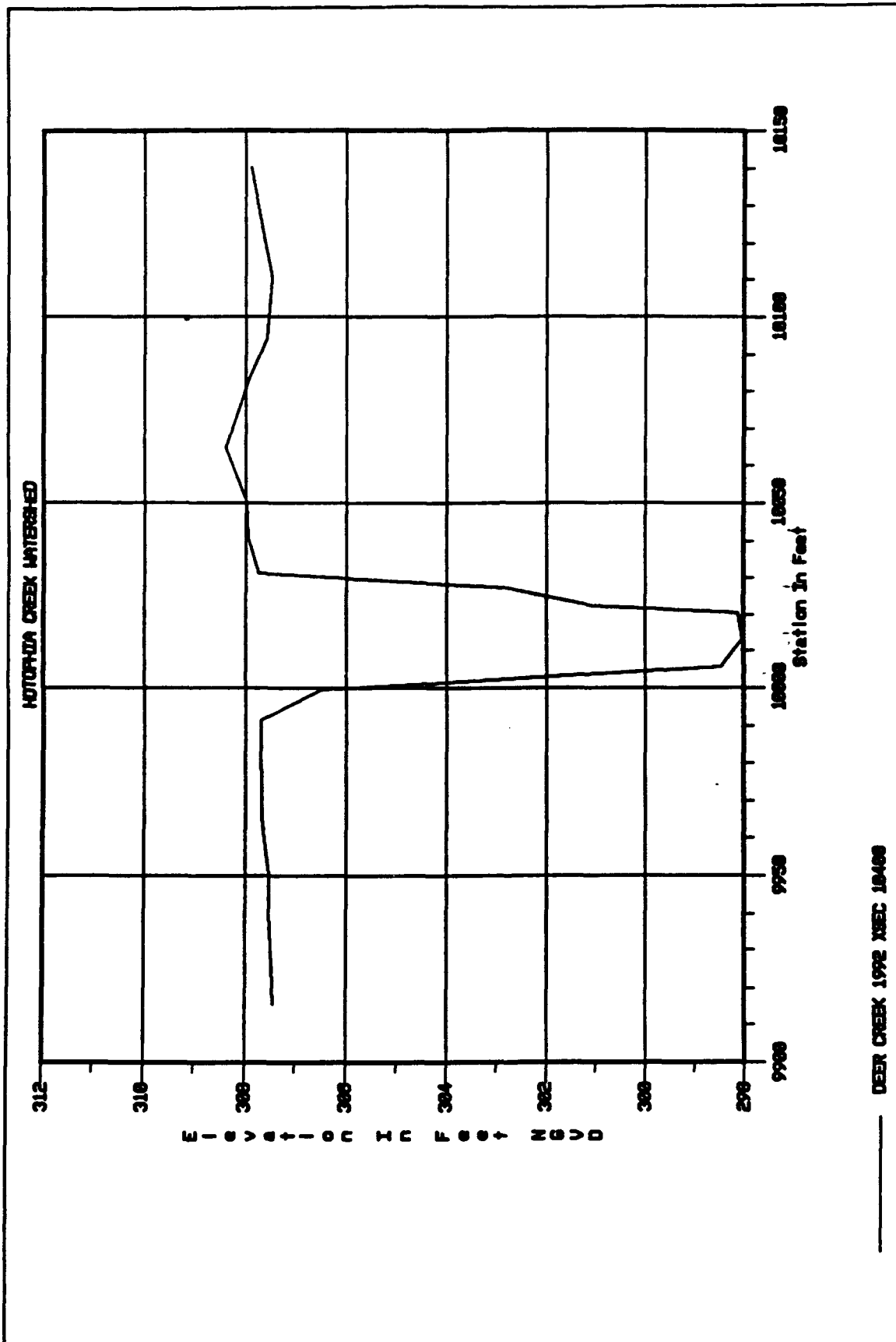


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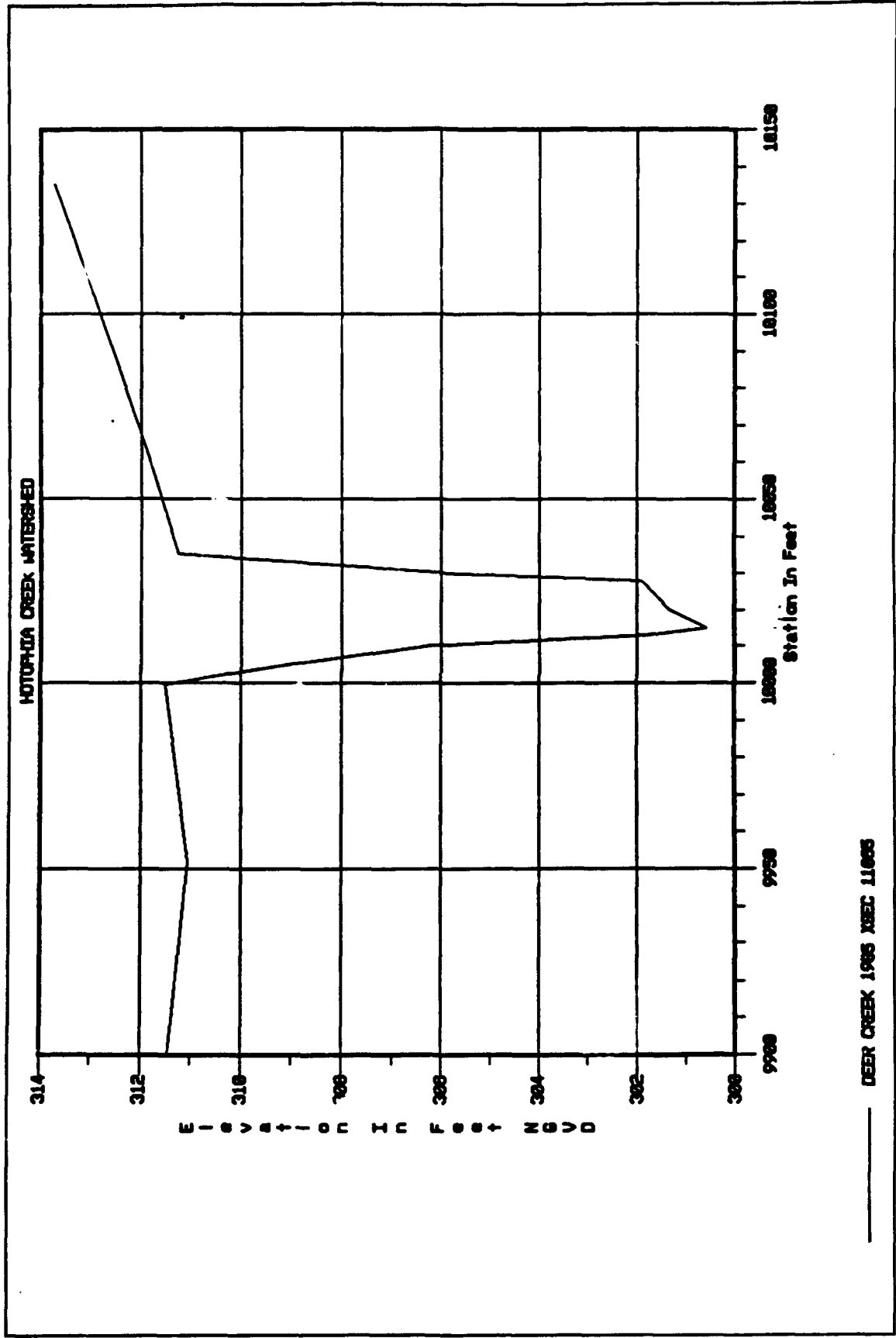


Plate B77

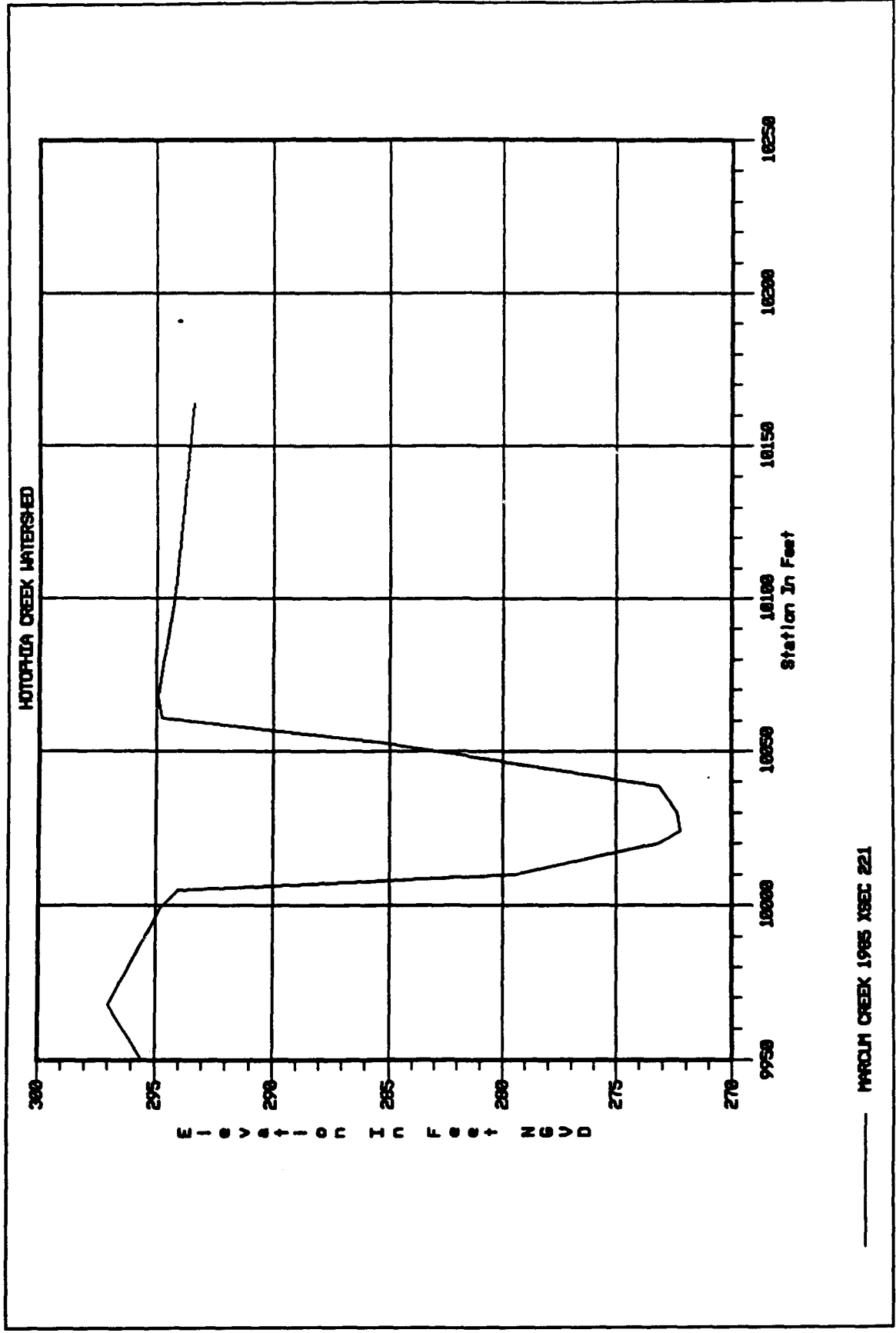


Plate B78

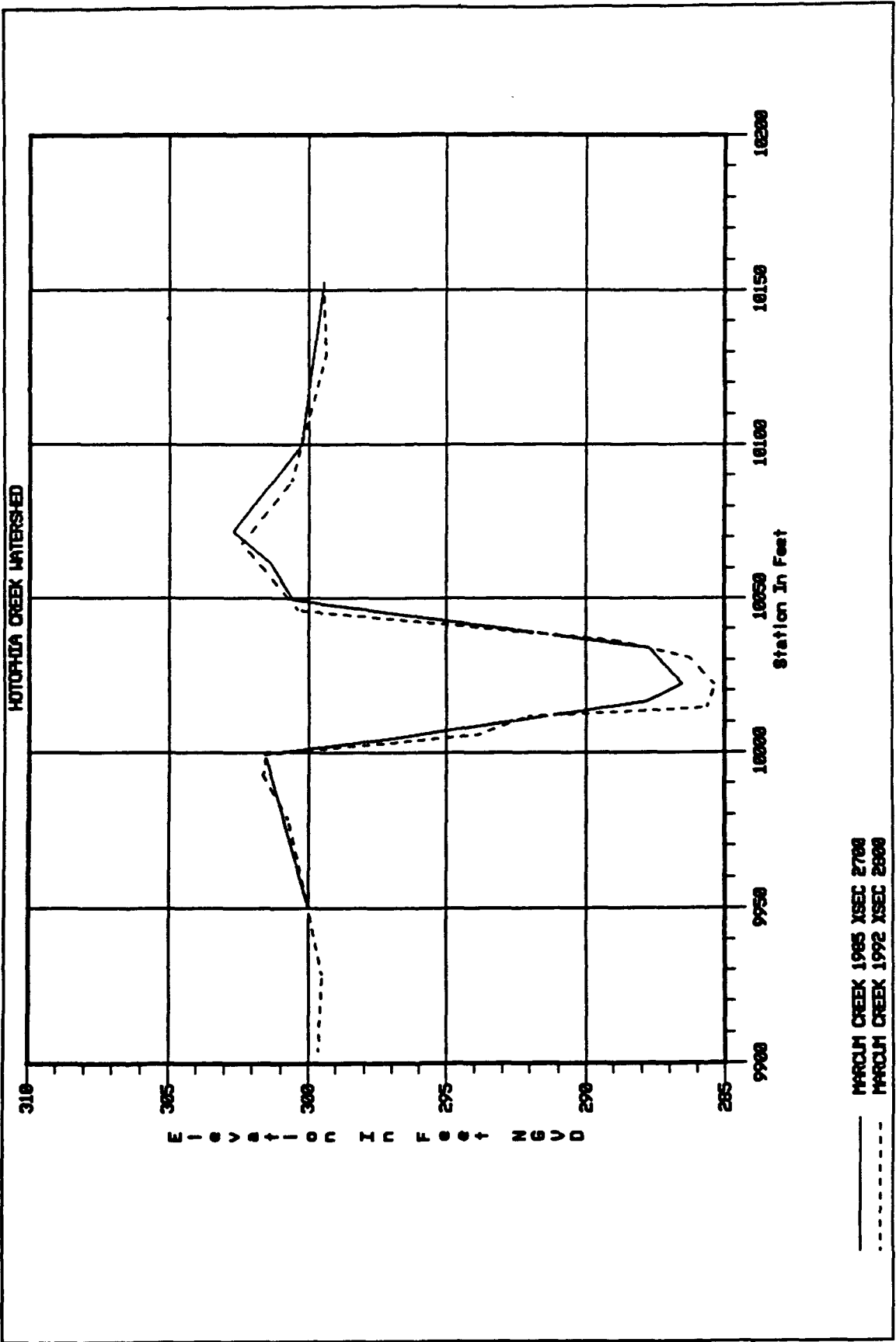
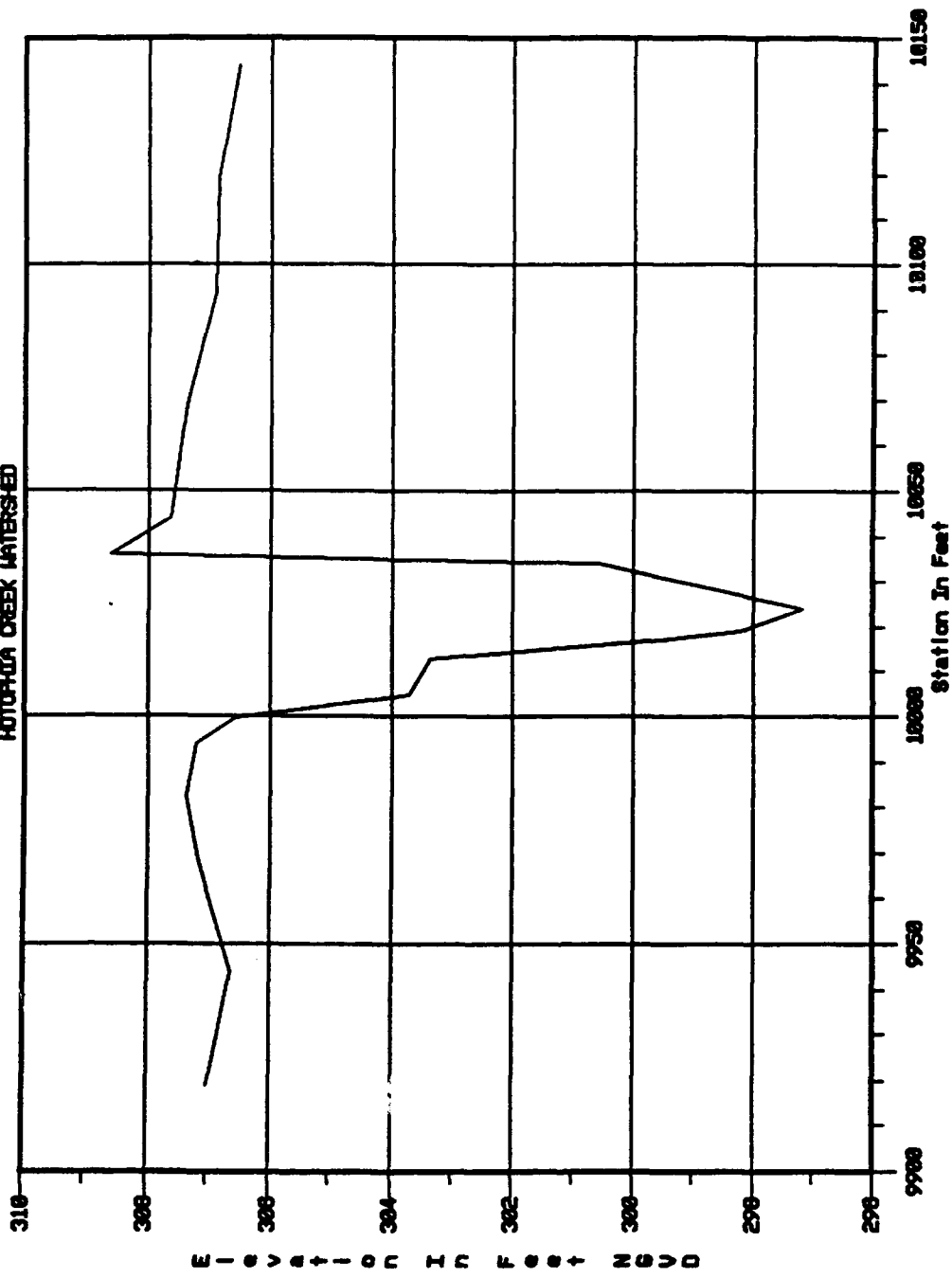


Plate B79

HOTOHODA CREEK WATERSHED



———— MAROUL CREEK 1992 XSEC 5008

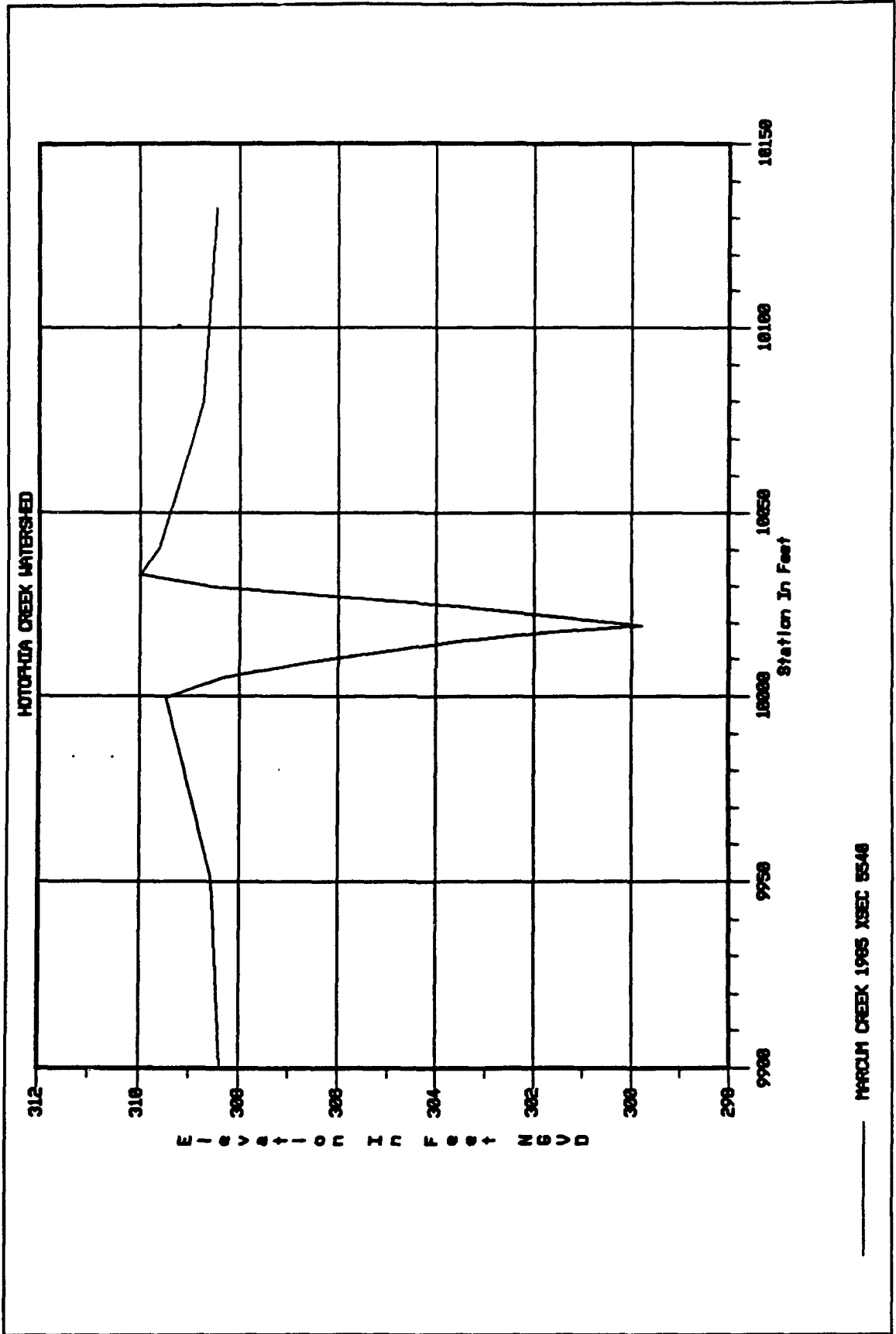


Plate B81

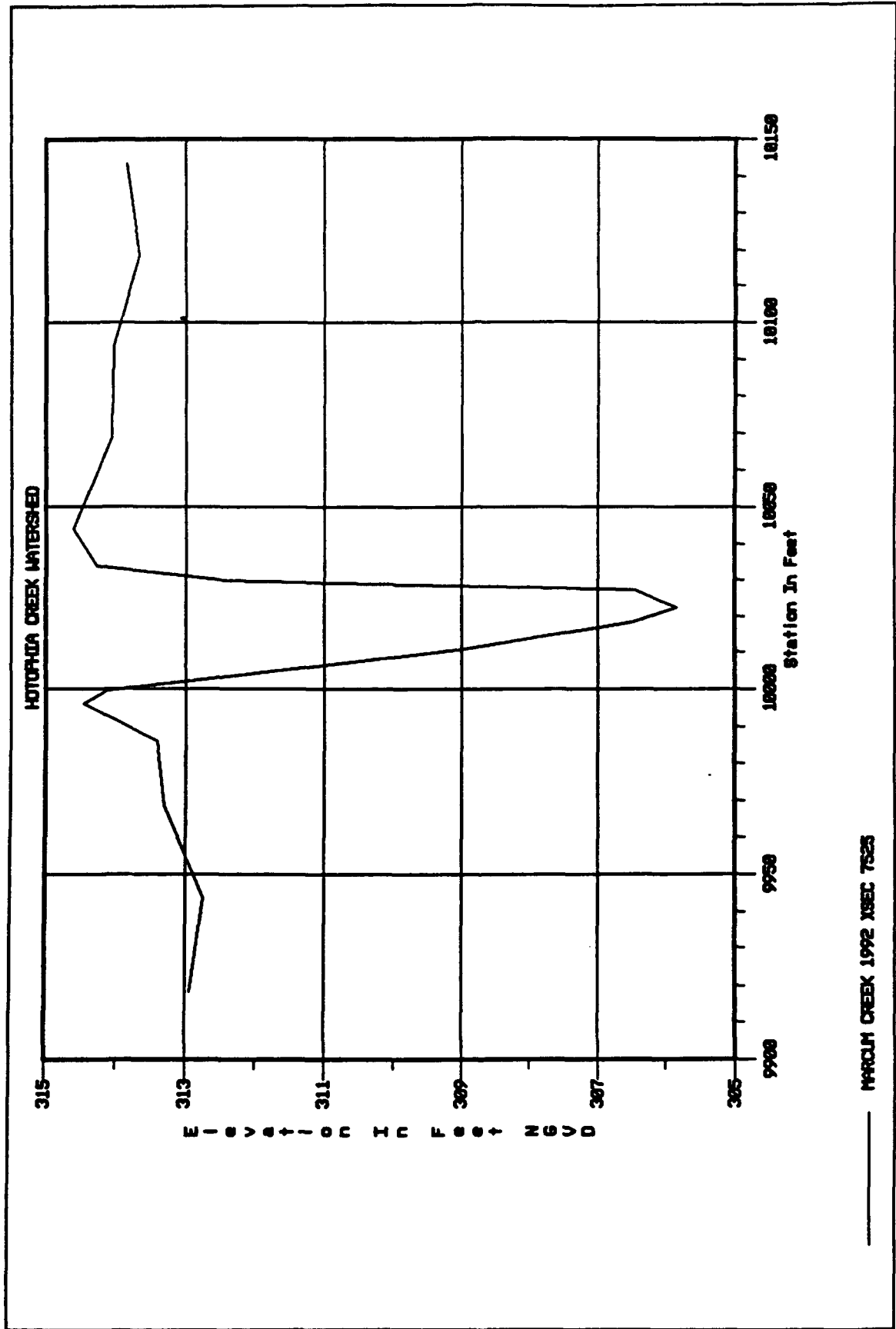


Plate B82

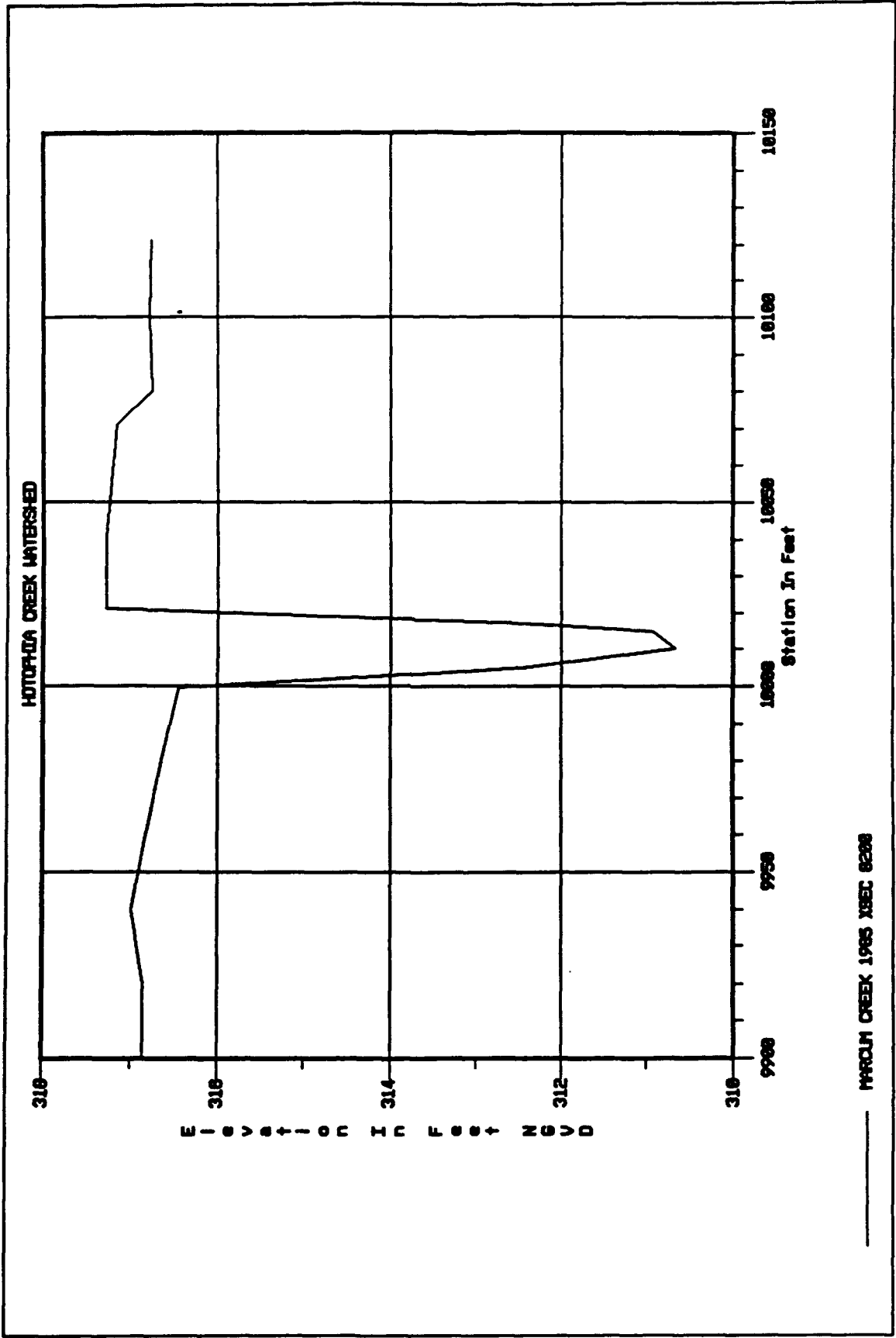


Plate B83

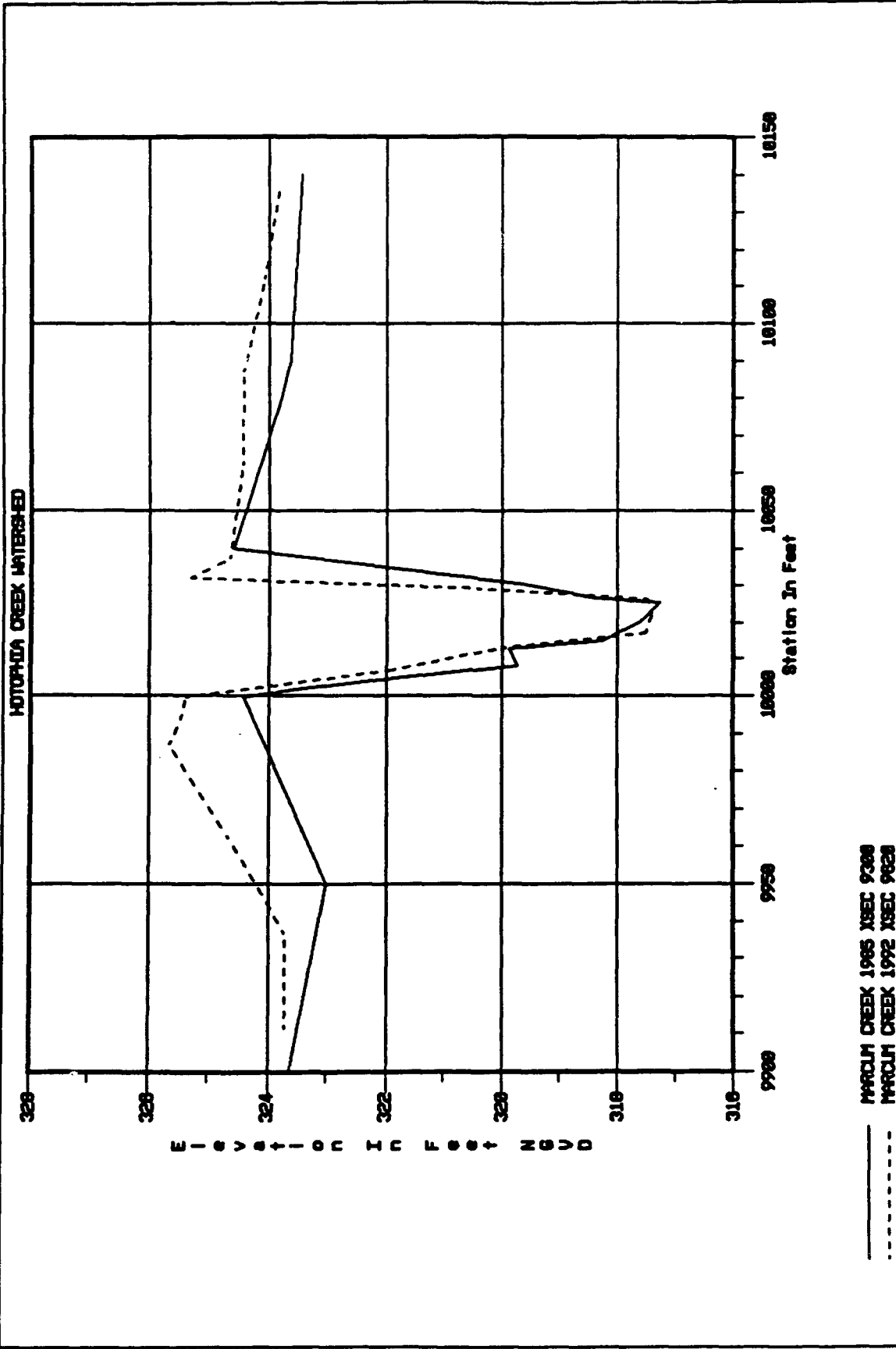


Plate B84

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