GROUND-WATER LEVELS IN WYOMING, 1976 THROUGH 1985

By Hugh I. Kennedy and Christopher B. Oberender

U.S. GEOLOGICAL SURVEY

Open-File Report 87-456

Prepared in cooperation with the

WYOMING STATE ENGINEER

and the

WYOMING ECONOMIC DEVELOPMENT AND STABILIZATION BOARD

Cheyenne, Wyoming

1987

DEPARTMENT OF THE INTERIOR

DONALD PAUL HODEL, SECRETARY

U.S. GEOLOGICAL SURVEY

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Federal Center
Box 25425
Denver, Colorado 80225

CONTENTS

FIGURES

CONVERSION FACTORS

For use of readers who prefer to use International System (SI) units, rather than the inch-pound terms used in this report, the following conversion factors may be used:

Multiply inch-pound unit	*By*	*To obtain SI unit*
acre	4047	hectare
foot (ft)	0.3048	meter
mile	1.609	kilometer

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ABSTRACT

Ground-water levels are measured periodically in a network of 84 observation wells in Wyoming, mostly in areas where ground water is used in large quantities for irrigation or municipal purposes. The monitoring program is conducted by the U.S. Geological Survey in cooperation with the Wyoming State Engineer and the Wyoming Economic Development and Stabilization Board. This report includes maps showing the locations of the selected wells, tables listing well history and highest and lowest water levels for the period of record, and hydrographs for 1976 through 1985.

INTRODUCTION

Since 1940 the Geological Survey, in cooperation with city, State, and other Federal agencies, has periodically measured ground-water levels in a large number of wells in Wyoming. These observation wells primarily have been in areas where ground water is used in large quantities for irrigation or municipal purposes. The program currently is conducted by the U.S. Geological Survey in cooperation with the Wyoming State Engineer and the Wyoming Economic Development and Stabilization Board.

A more extensive program was started in 1972 in an effort to expand the ground-water-level data base throughout the State. Part of the expansion included the installation of continuous recorders on selected observation wells in the well network. During 1985 a continuous record of water levels was obtained from 72 wells equipped with digital water-level recorders; the remaining wells were periodically measured by hand.

Hydrographs for the 84 wells in the observation network are included in this report. The hydrographs were plotted using either continuous water-level records or periodic water-level measurements. The daily maximum water level was plotted for those wells equipped with continuous recorders. These hydrographs depict annual water-level fluctuations and water-level trends during 1976-85. If more precise water levels are needed, tabulations of actual water-level measure-ments (recorded to the nearest one-hundreth of a foot) are available from the U.S. Geological Survey, 2120 Capitol Avenue, P.O. Box 1125, Cheyenne, Wyoming 82003 (telephone 303-772-2153; FTS 328-2153).

Wyoming water-level data and hydrographs for periods prior to 1983 may be found in eight previous reports of ground-water levels, compiled by the U.S. Geological Survey (Ringen, 1973 and 1974; Ballance and Freudenthal, 1975, 1976, and 1977; Stevens, 1978; Ragsdale, 1982; Ragsdale and Oberender, 1985).

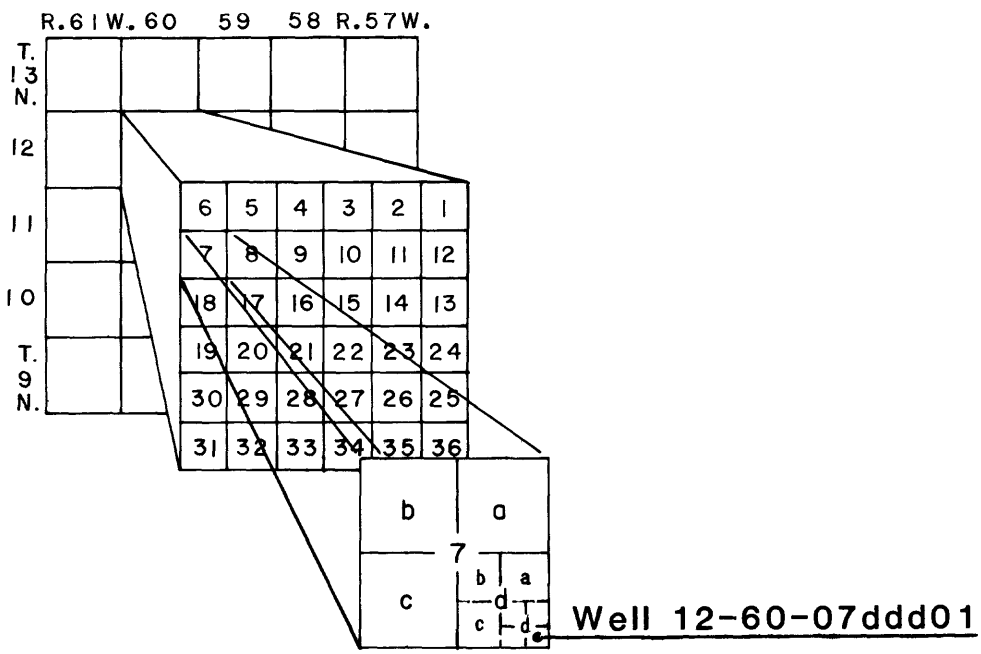
PRESENTATION OF DATA

The data are presented alphabetically by county. Locations of counties are shown on figure 1. Records of observation wells for each county are listed in a table that is preceded by a map showing the locations of the wells in that county (figs. 2-16). Hydrographs for wells for 1976 through 1985 or for the period of record (if less than 10 years) succeed the table for each county.

Numbering System for Wells

The locations of most wells in this report are based on the Federal system of land subdivision. The first number denotes the township north of the 40th Parallel Base Line, the second number denotes the range west of the Sixth Principal Meridian, and the third number denotes the section. A section is divided into quarters of 160 acres each; each quarter is designated a, b, c, or d in a counterclockwise direction, beginning in the northeast quarter. Each quarter is divided into quarters of 40 acres each and again into quarters (10-acre tracts). Alphabetical designations are also assigned to these subsequent subdivisions. A numeral appearing after the letters distinguishes that well from other numbered wells within the same 10-acre tract.

The following illustration shows the location of well 12-60-07ddd01 in Laramie County:



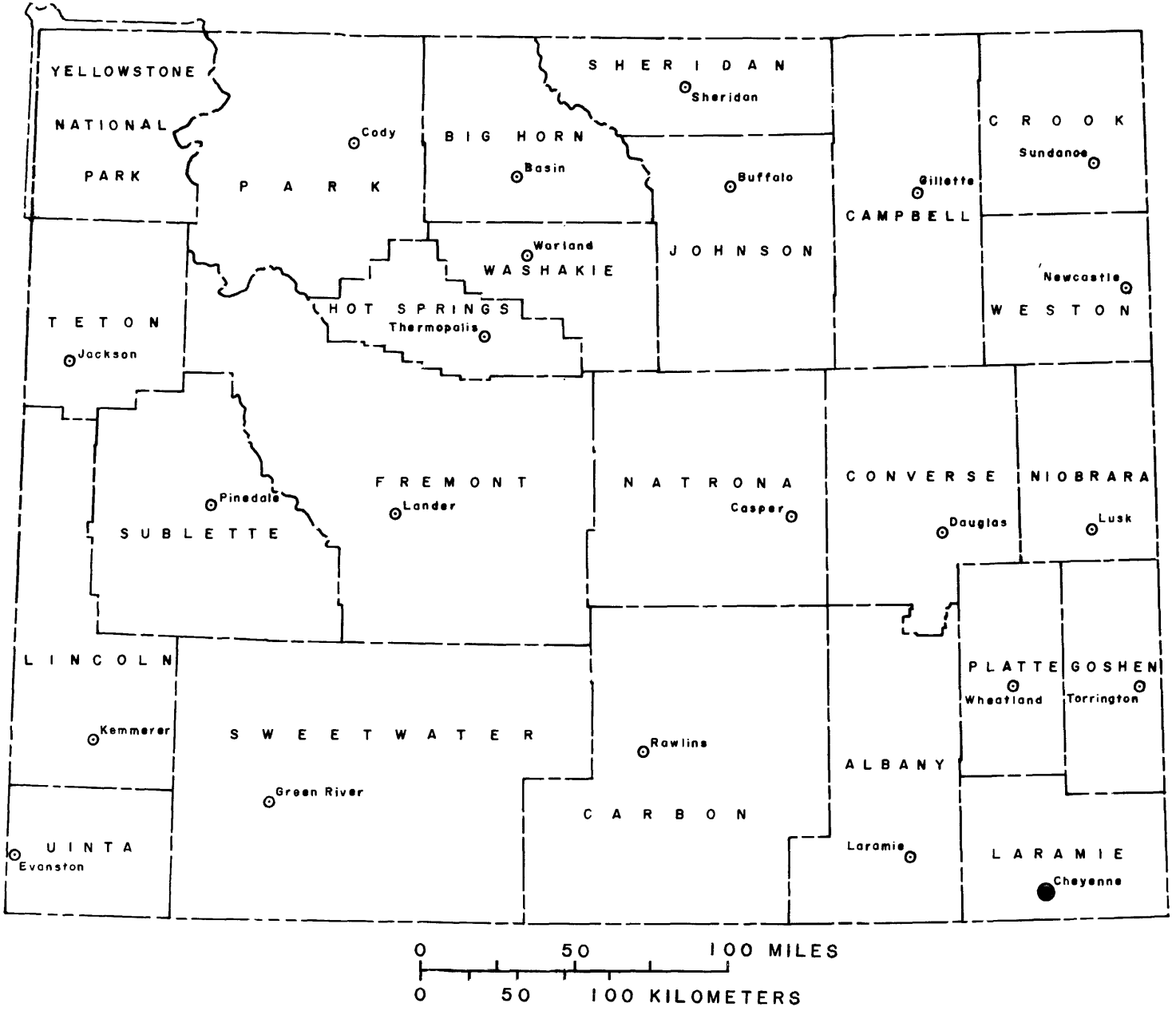
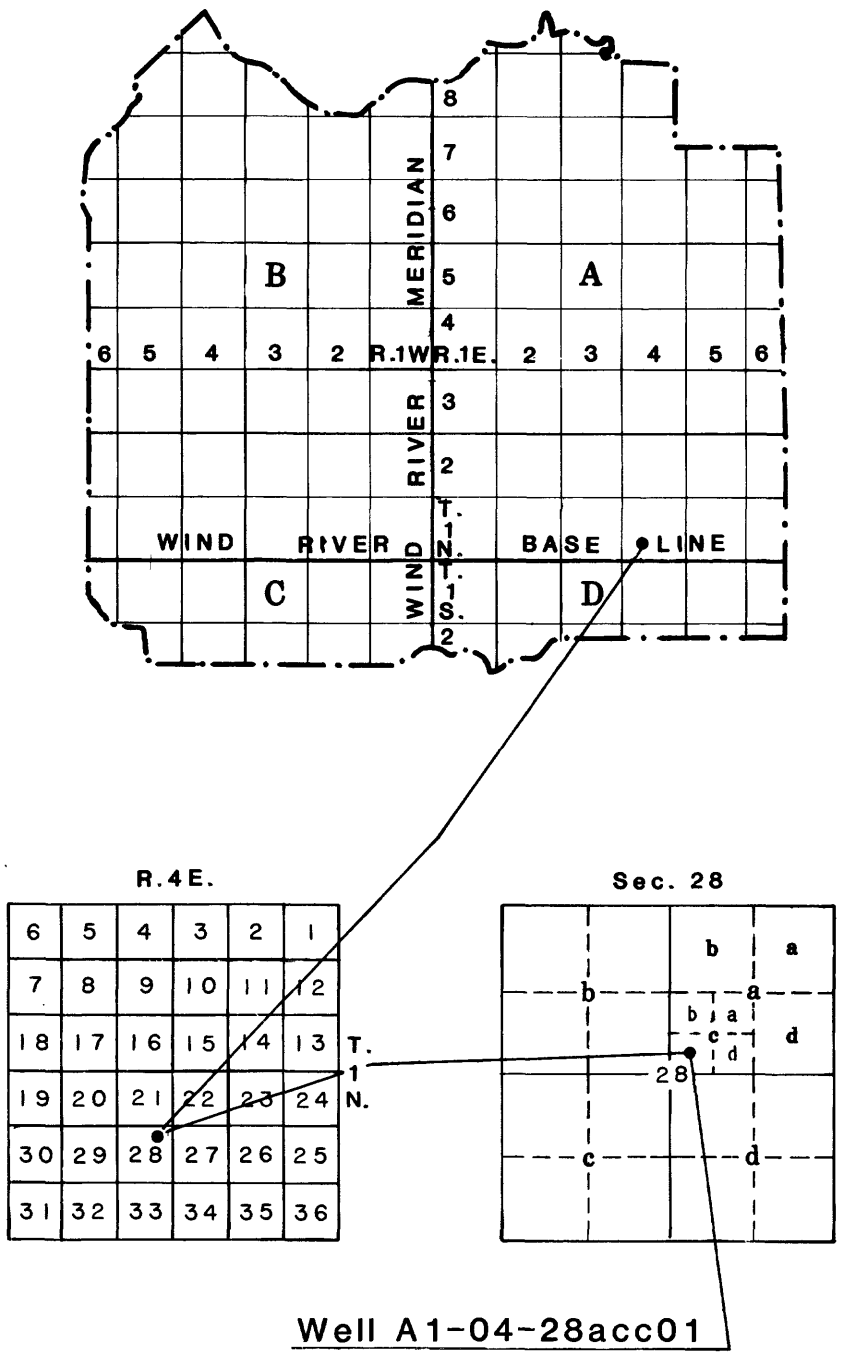


Figure 1.--Counties of Wyoming.

Observation wells on the Wind River Indian Reservation and adjacent area in Fremont County (fig. 7) are similarly located; however, they are in a land subdivision that is referenced as the Wind River Base Line and Meridian (McGreevy and others, 1969). Wells within this system may be in the northeast, northwest, southwest, or southeast quadrants of this base-line and meridian net. Well numbers in this land net have uppercase-letter prefixes that designate the quadrants; A designates the northeast quandrant, B the northwest, C the southwest, and D the southeast.

The following illustration shows the location of well A1-04-28acc01 in Fremont County:



Explanation of Column Headings for Tables of Well Records

Well number: See text for description of the well-numbering system.

Well depth: Depth of well, in feet below land surface.

Use of water: H, domestic; I, irrigation; P, municipal; S, stock: N, industrial; U, unused.

Geologic source: The geologic source codes have been retrieved from Water Data Storage and Retrieval System (WATSTORE) of the U.S. Geological Survey and may not follow the current usage of the USGS.

Era	System	Series	Geologic Source Code	Formation name
Cenozoic	Quaternary	Holocene	111ALVM	Alluvium
			111TRRC	Terrace deposits
	Tertiary	Pliocene	121NRPK	North Park Formation[1]
			121OGLL	Ogallala Formation[1]
		Miocene	122ARKR	Arikaree Formation
		Oligocene	123BRUL	Brule Formation
			123WRVR	White River Formation or Group
		Eocene	124LNEY	Laney Member of Green River Formation
			124WDRV	Wind River Formation
			124WSTC	Wasatch Formation
		Paleocene	125FRUN	Fort Union Formation
Mesozoic	Cretaceous	Upper Cretaceous	211ALMD	Almond Formation
			211FXHL	Fox Hills Sandstone
			211LNCE	Lance Formation
			211MVRD	Mesaverde Formation or Group
			211STEL	Steele Shale
		Lower Cretaceous	217LKOT	Lakota Formation
	Jurassic	Upper Jurassic	221SNDC	Sundance Formation
	Triassic	Lower Triassic	237SPRF	Spearfish Formation[2]
Paleozoic	Permian	Lower Permian	317CSPR	Casper Formation
			317FRLL	Forelle Limestone Member[3] of Goose Egg Formation
			317MNKT	Minnekahta Limestone
	Missis-sippian	Upper Mississippian	331MDSN	Madison Limestone
		Lower Mississippian	337PHSP	Pahasapa Limestone
	Cambrian	Middle Cambrian	374FLTD	Flathead Quartzite or Sandstone

[1] Now designated Miocene by the U.S. Geological Survey

[2] Now designated Triassic and Upper Permian by the U.S. Geological Survey

[3] Now designated Upper Permian by the U.S. Geological Survey

Explanation of Column Headings for Tables of Well Records--Continued

Records available: Years for which water-level measurements are available.

Water levels: The highest and lowest water levels are for the period of record and reflect the static water level unless otherwise footnoted.

Explanation of Hydrographs

Water-level data obtained by continuous water-level recorders. Missing sections of lines are periods of no data.

Individual water-level measurements. Dashed line represents periods of no data between measurements.

REFERENCES CITED

Ballance, W.C., and Freudenthal, P.B., 1975, Ground-water levels in Wyoming, 1974: U.S. Geological Survey open-file report, 186 p.

_____ 1976, Ground-water levels in Wyoming, 1975: U.S. Geological Survey Open-File Report 76-598, 170 p.

_____ 1977, Ground-water levels in Wyoming, 1976: U.S. Geological Survey Open-File Report 77-686, 187 p.

McGreevy, L.J., Hodson, W.G., and Rucker, S.J., IV, 1969, Ground-water resources of the Wind River Indian Reservation, Wyoming: U.S. Geological Survey Water-Supply Paper 1576-I, 145 p.

Ragsdale, J.O., 1982, Ground-water levels in Wyoming, 1971 through part of 1980: U.S. Geological Survey Open-File Report 82-859, 200 p.

Ragsdale, J.O., and Oberender, C.B., 1985, Ground-water levels in Wyoming, 1974 through 1983: U.S. Geological Survey Open-File Report 85-403, 194 p.

Ringen, B.H., 1973, Records of ground-water levels in Wyoming, 1940-1971: Wyoming State Engineer's Office, Wyoming Water Planning Program Report No. 13, 479 p.

_____ 1974, Ground-water levels in Wyoming, 1972-73: Wyoming State Engineer's Office, Wyoming Water Planning Program Report No. 13, Supplement No. 1, 158 p.

Stevens, M.D., 1978, Ground-water levels in Wyoming, 1977: U.S. Geological Survey Open-File Report 78-605, 203 p.

GROUND-WATER LEVELS BY COUNTY

page 9 follows

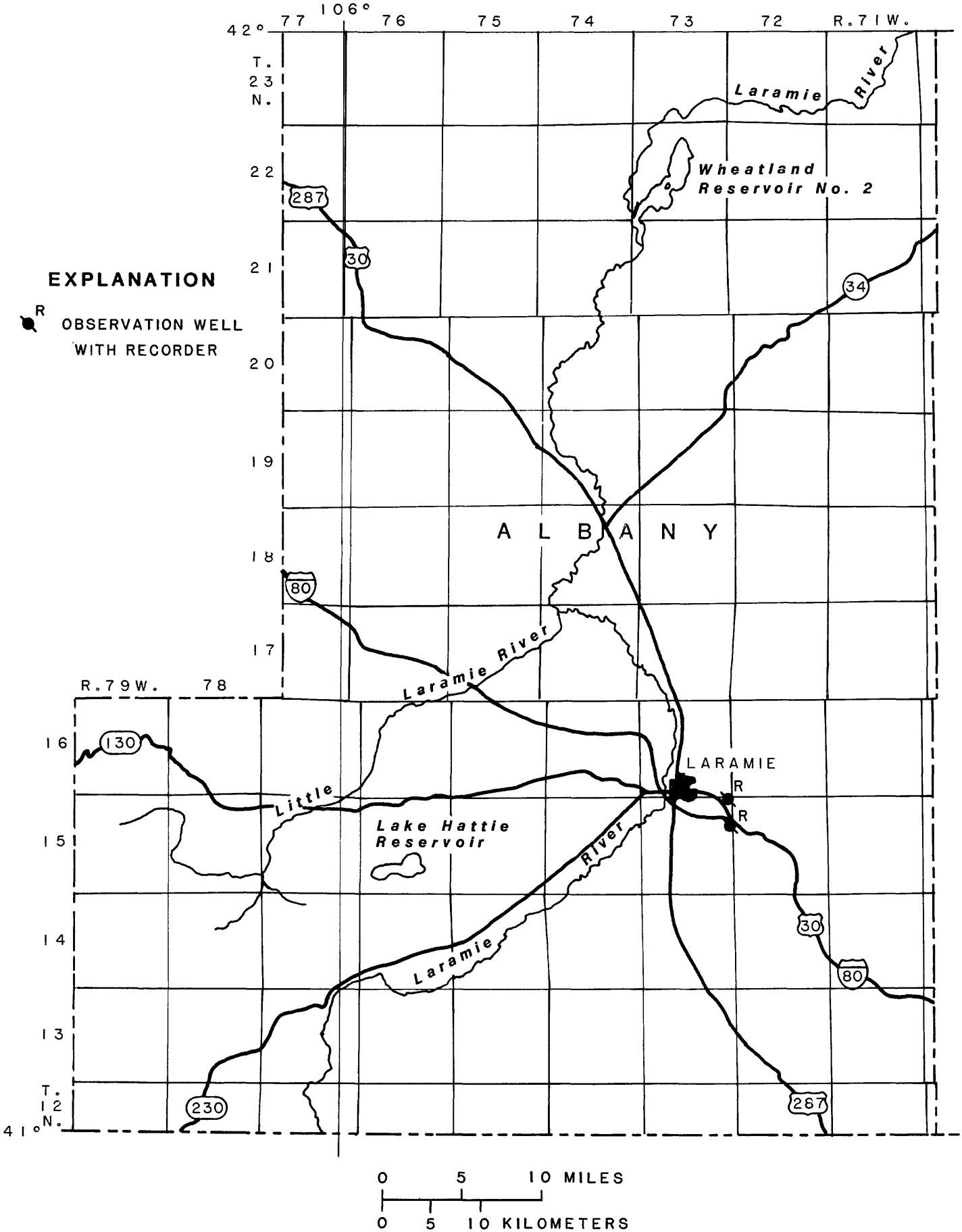
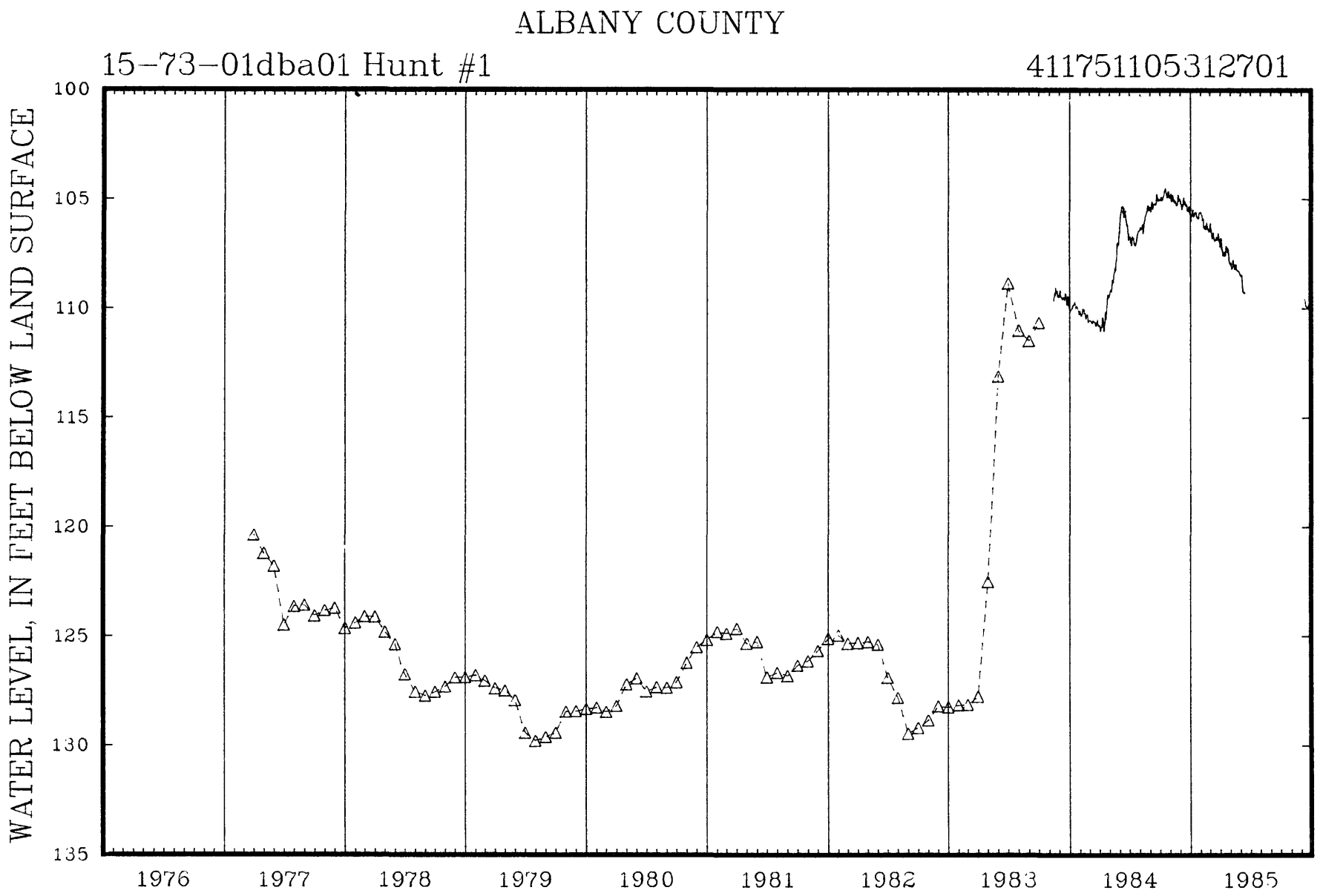


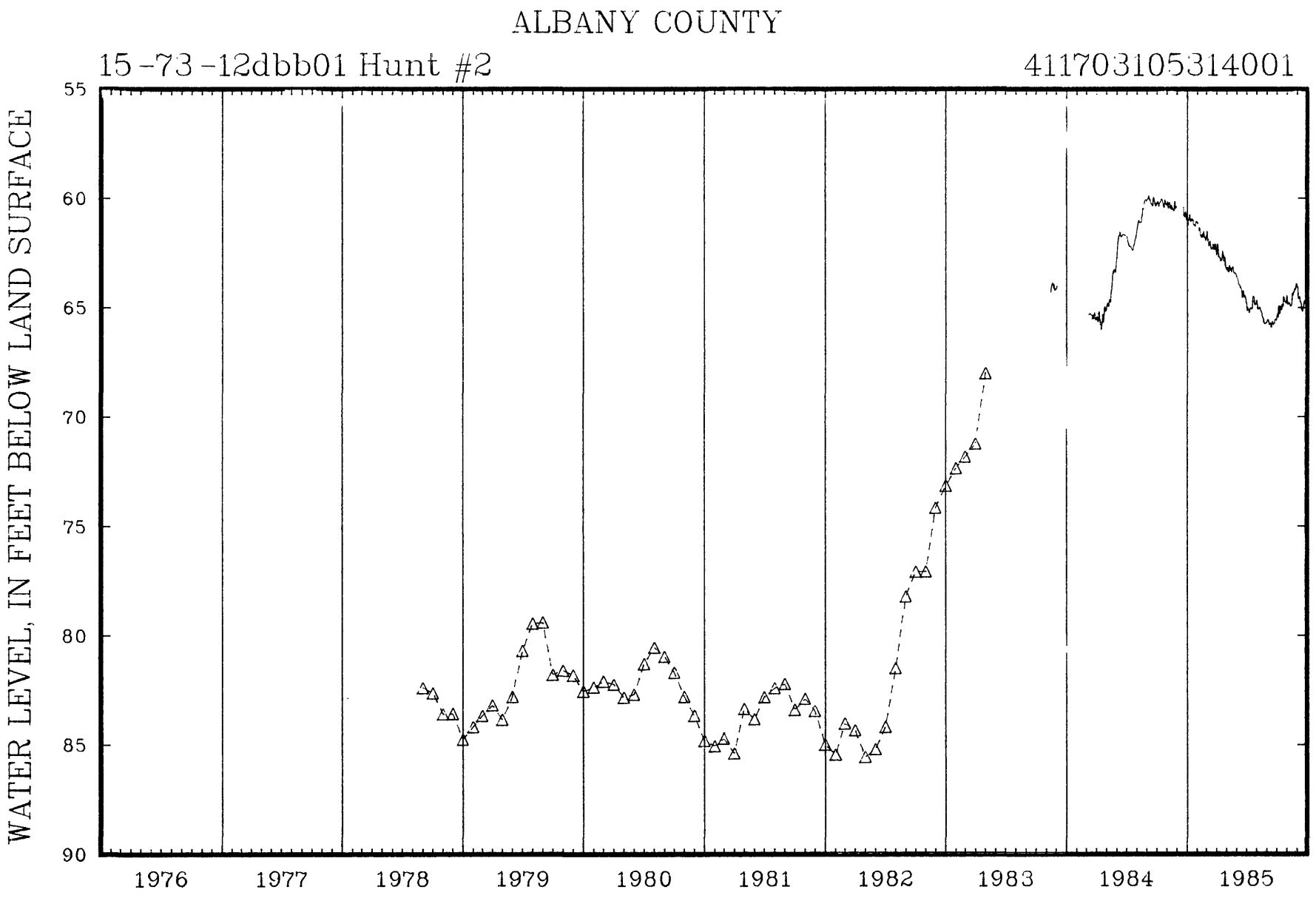
Figure 2.--Location of observation wells in Albany County, Wyoming.

Records of observation well in Albany County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

Well number	Well depth (ft)	Use of water	Geologic source	Record available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
15-73-01dba01	182	S	317CSPR	1977-85	104.45	10-84	[1]129.80	08-79
15-73-12dbb01	243	S	317CSPR	1978-85	59.84	09-84	[1]85.56	05-82

[1] From hand-measured data


ALBANY COUNTY
15-73-01dba01 Hunt #1
411751105312701
WATER LEVEL, IN FEET BELOW LAND SURFACE
100
105
110
115
120
125
130
135
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985


ALBANY COUNTY
15-73-12dbb01 Hunt #2
411703105314001
WATER LEVEL, IN FEET BELOW LAND SURFACE
55
60
65
70
75
80
85
90
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985

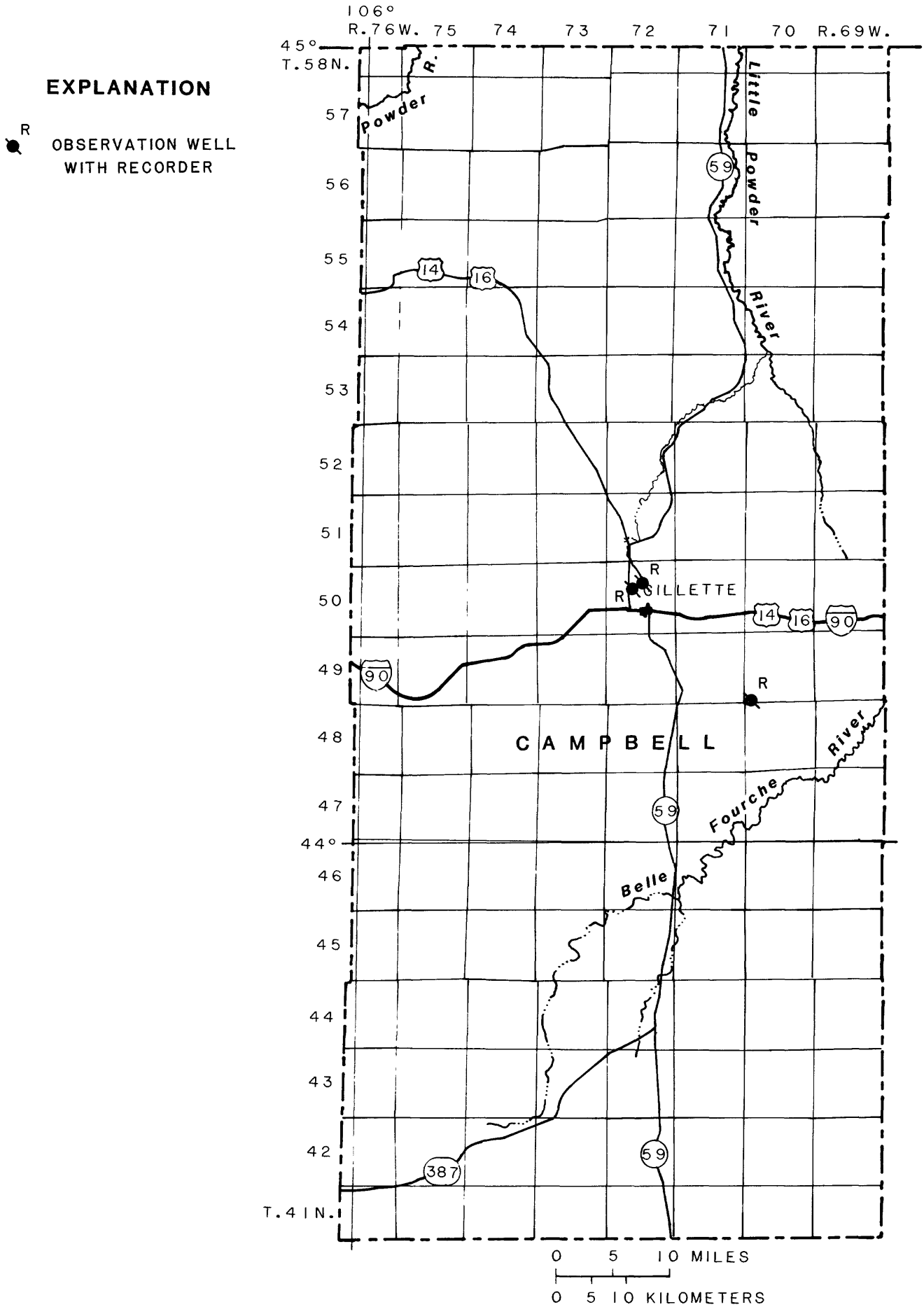
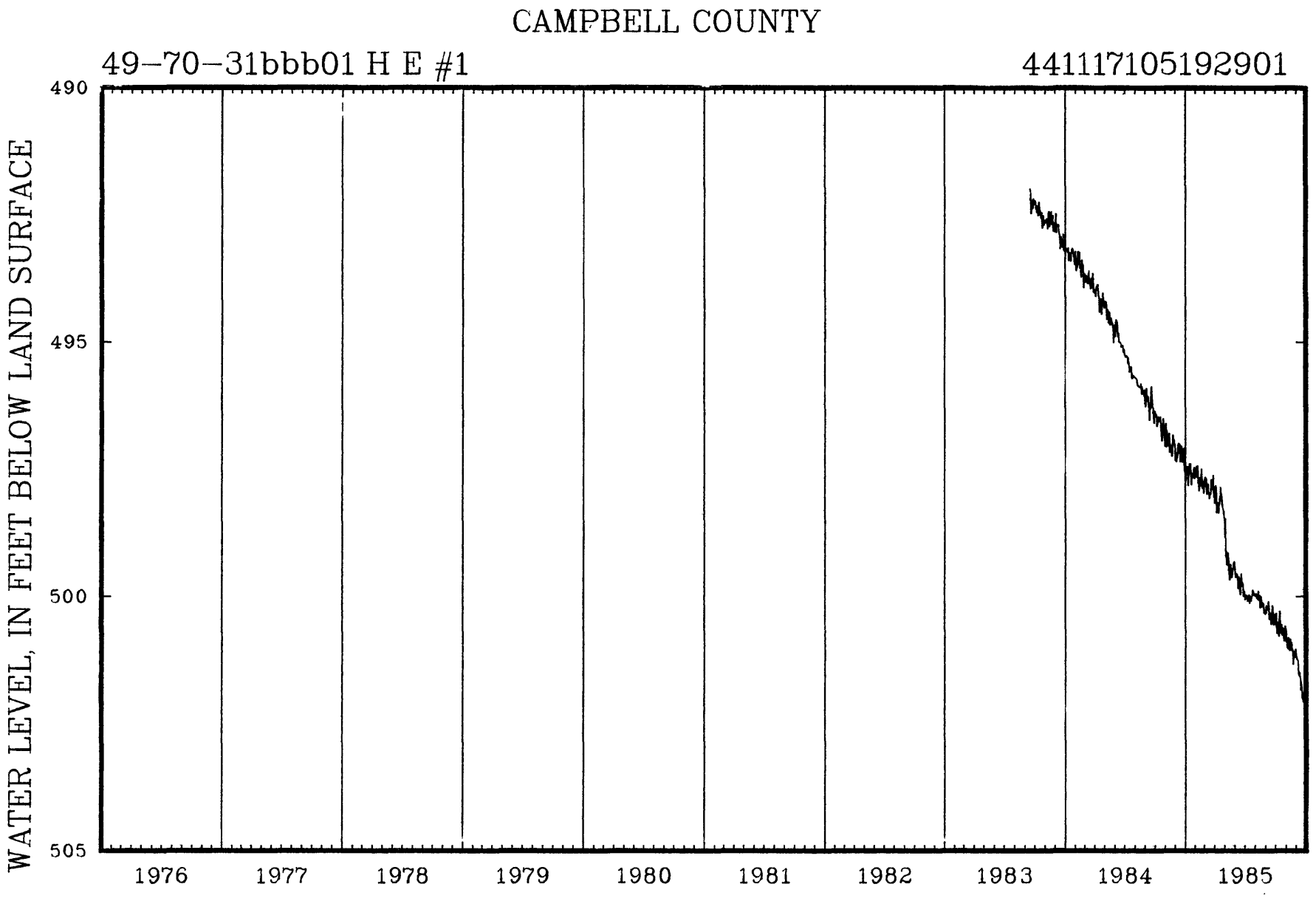
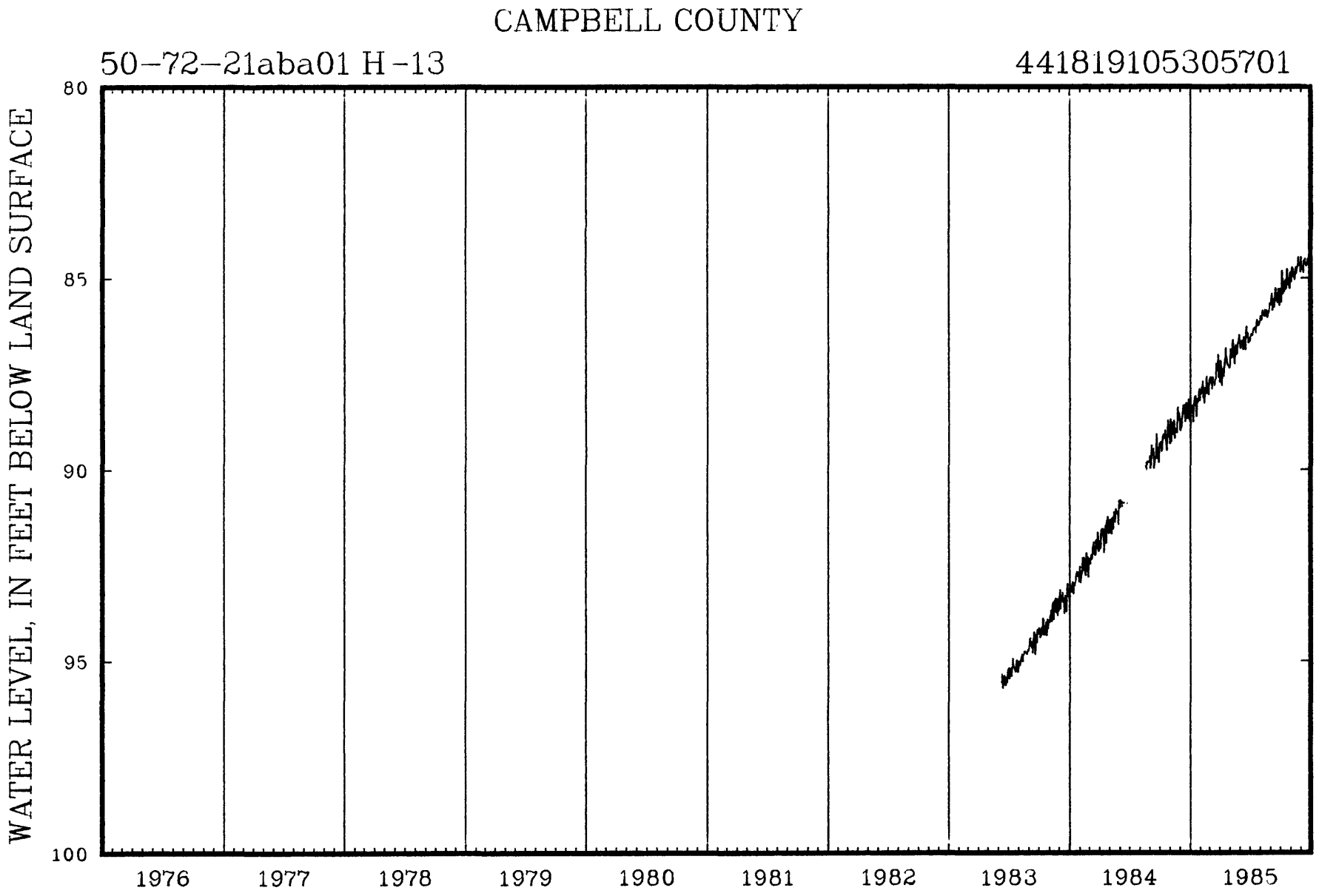


Figure 3.--Location of observation wells in Campbell County, Wyoming.

Records of observation wells in Campbell County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

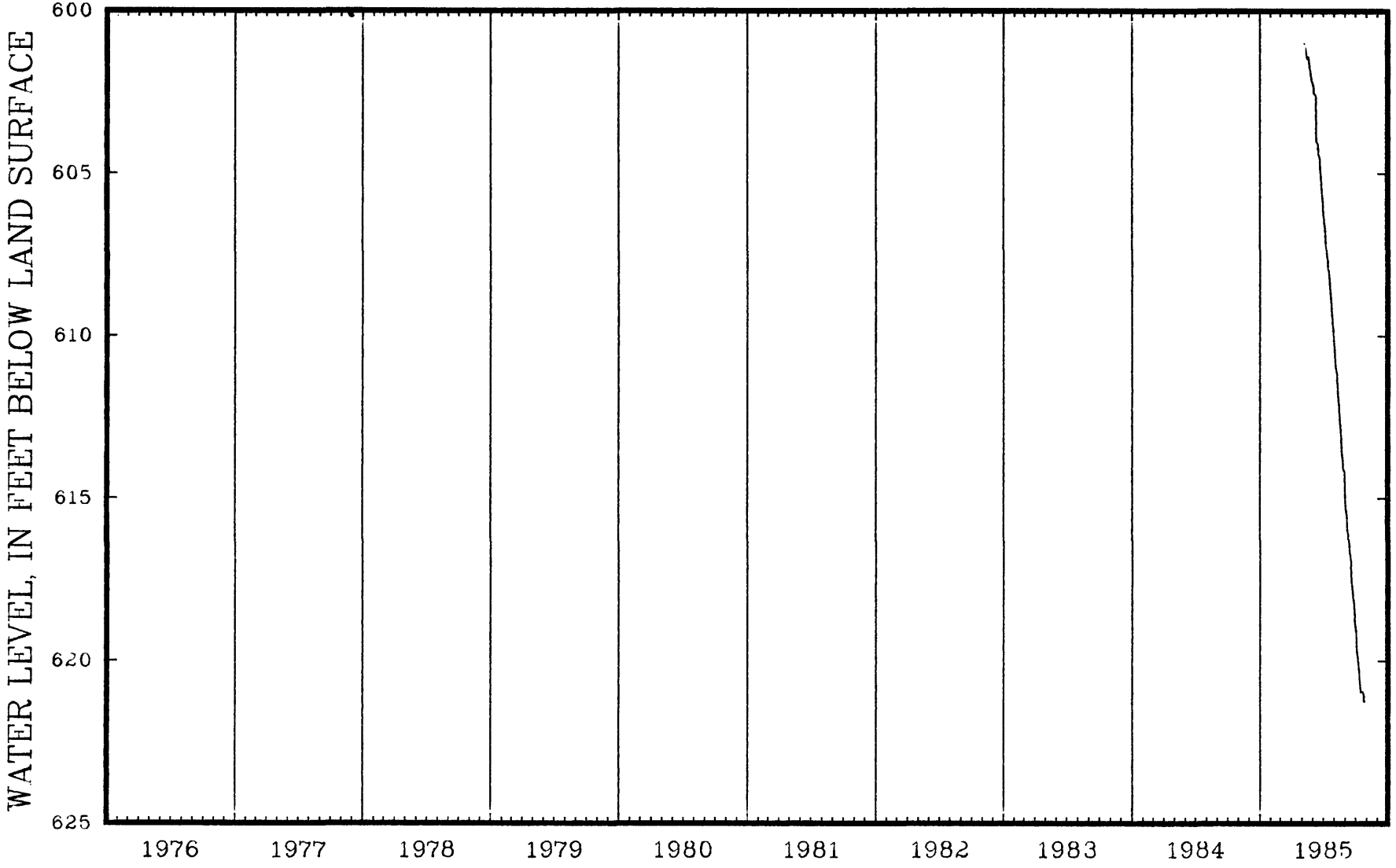
Well number	Well depth (ft)	Use of water	Geologic source	Records available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
49-70-31bbb01	3,754	U	211FXHL	1983-85	491.98	09-83	502.27	12-85
50-72-21aba01	320	P	124WSTC	1983-85	84.17	12-85	95.71	06-83
50-72-22dba01	826	P	125LEBO	1985	600.99	05-85	621.25	10-85


CAMPBELL COUNTY
49-70-31bbb01 H E #1
441117105192901
WATER LEVEL, IN FEET BELOW LAND SURFACE
490
495
500
505
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985


CAMPBELL COUNTY
50-72-21aba01 H-13
441819105305701
WATER LEVEL, IN FEET BELOW LAND SURFACE
80
85
90
95
100
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985

CAMPBELL COUNTY

50-72-22dba01 S-8 441817107293901



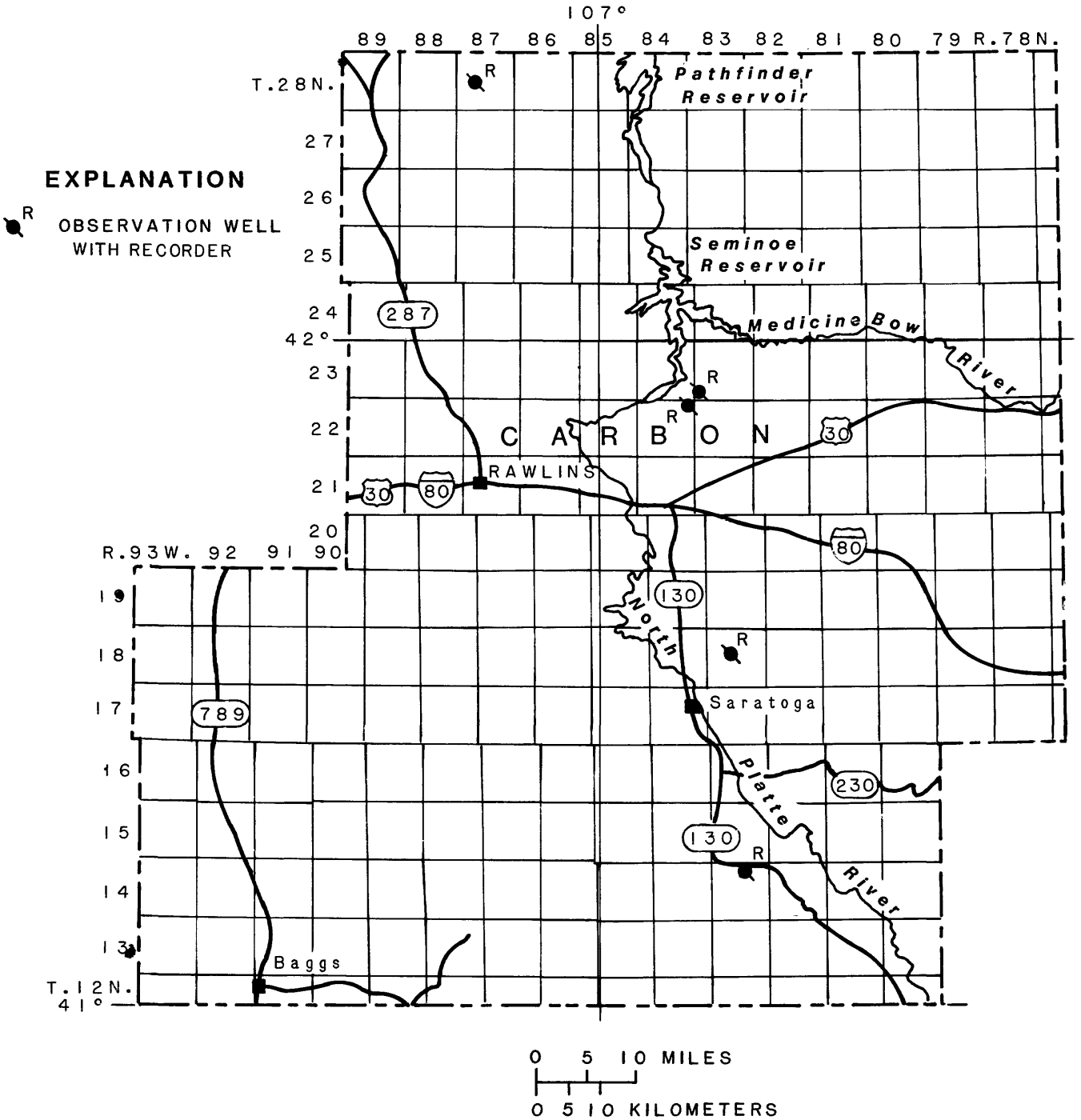
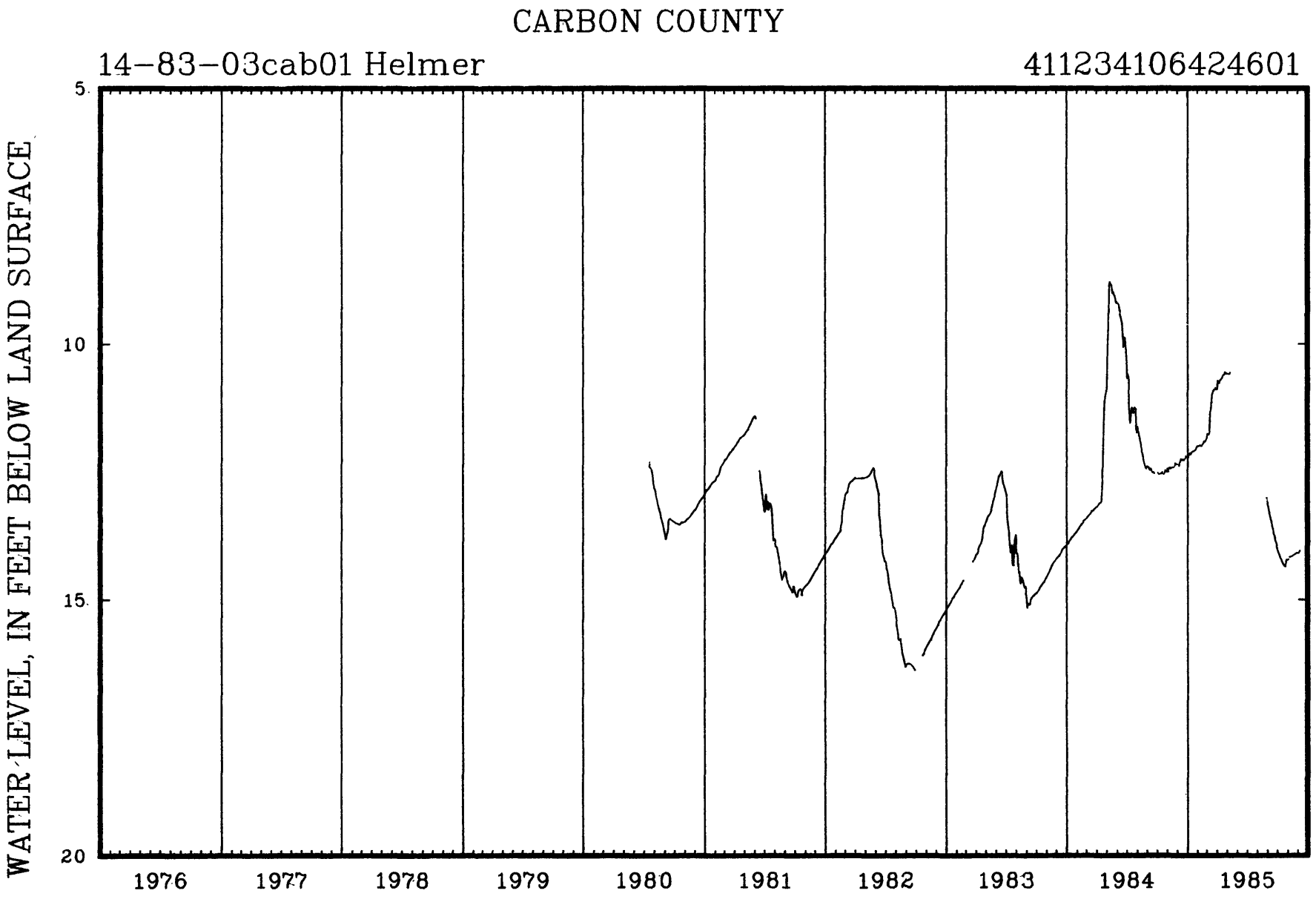


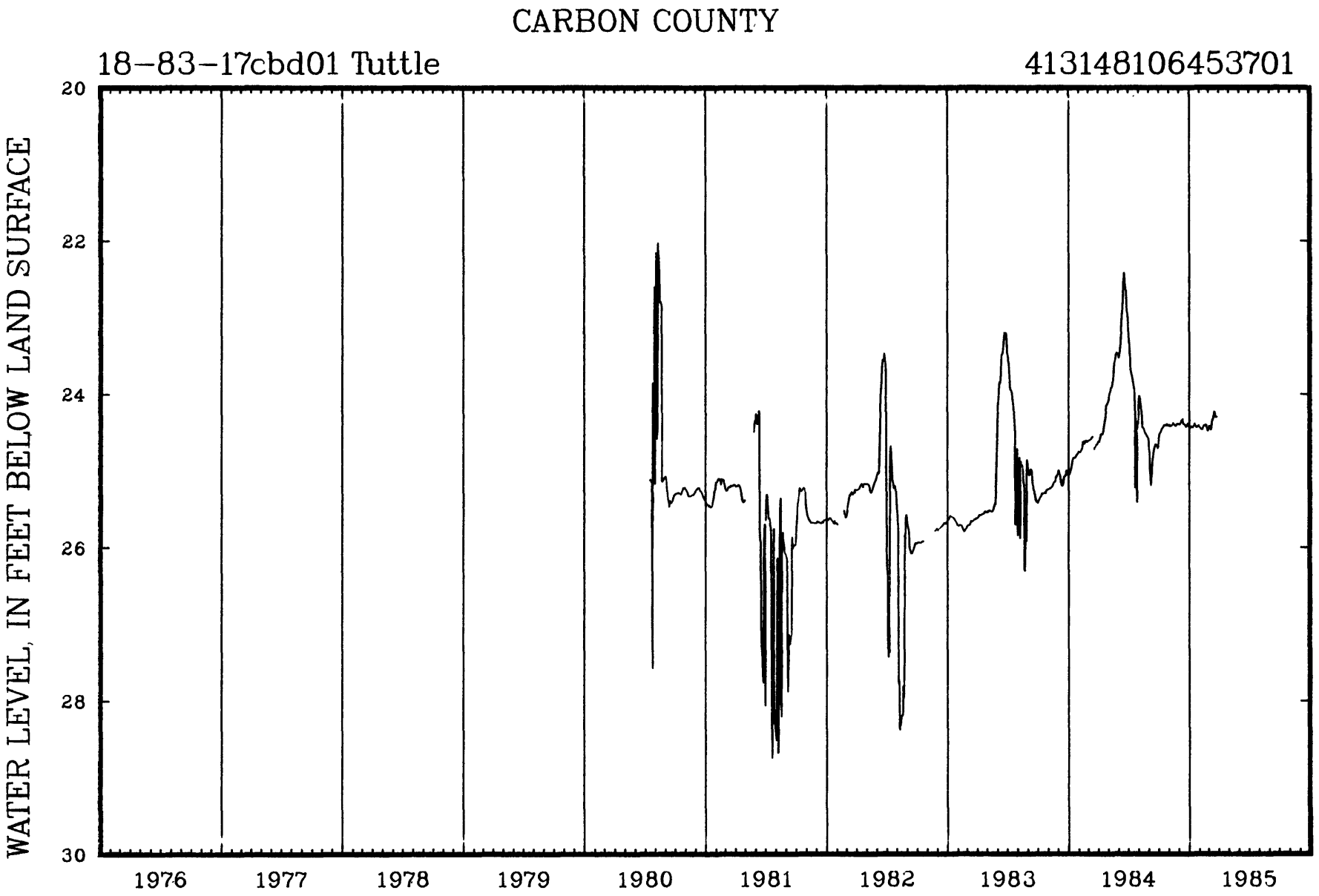
Figure 4.--Location of observation wells in Carbon County, Wyoming.

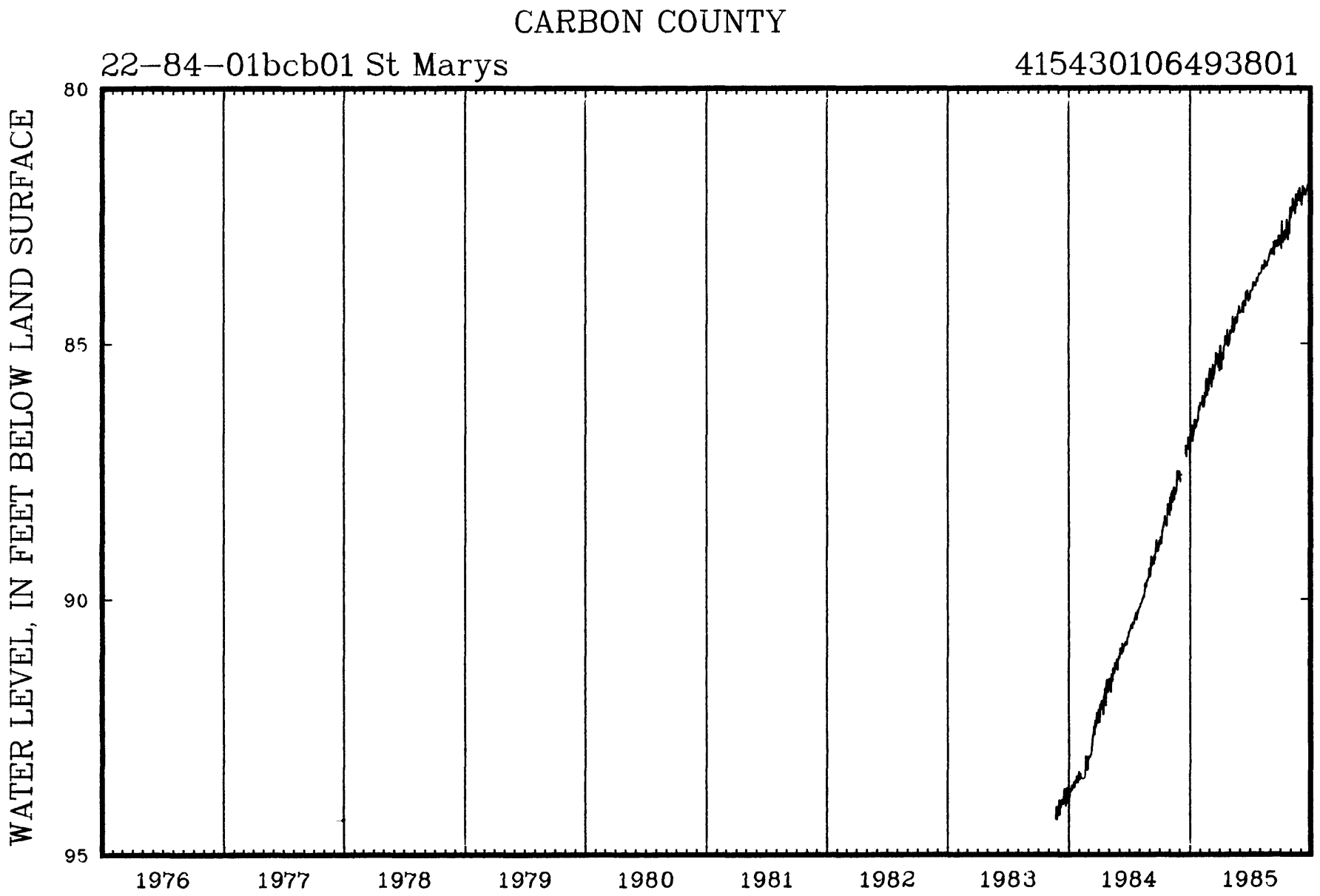
Records of observation wells in Carbon County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

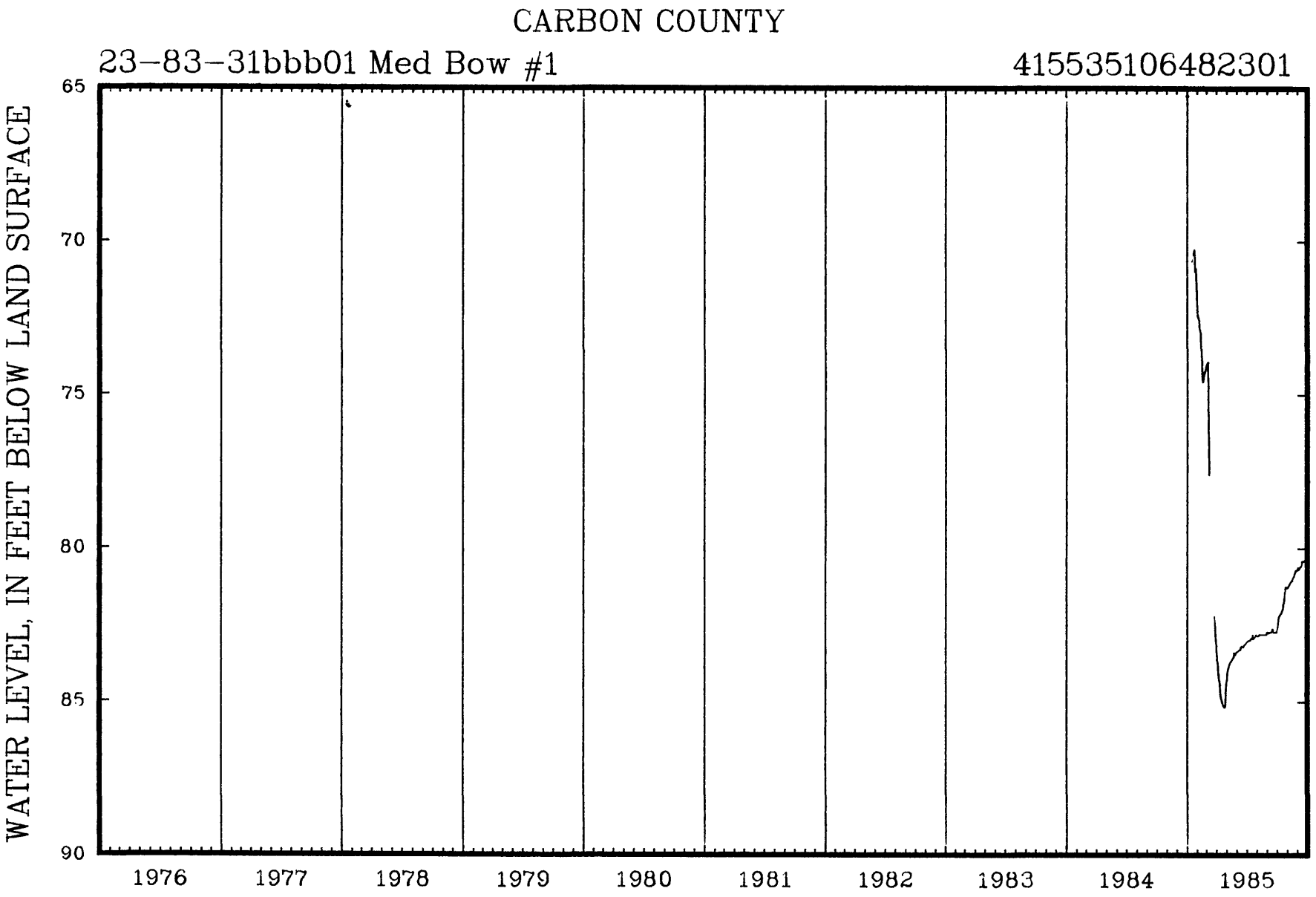
Well number	Well depth (ft)	Use of water	Geologic source	Records available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
14-83-03cab01	58	I	121NRPK	1980-85	8.77	05-84	16.40	09-82
18-83-17cbd01	92	U	121NRPK	1980-[4]85	22.02	08-80	[2]28.92	08-81
22-84-01bcb01	150	U	111SPBK	1983-85	81.76	12-85	94.33	11-83
23-83-31bbb01	140	U	125FRRS	1985	70.24	01-85	85.18	04-85
28-87-16cca01	812	U	122ARKR	1981-85	162.80	05-84	[2]182.66	10-81

[2] Nearby well being pumped
[4] Discontinued


CARBON COUNTY
14-83-03cab01 Helmer
411234106424601
WATER LEVEL, IN FEET BELOW LAND SURFACE
5.
10
15.
20
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985


CARBON COUNTY
18-83-17cbd01 Tuttle
413148106453701
WATER LEVEL, IN FEET BELOW LAND SURFACE
20
22
24
26
28
30
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985


CARBON COUNTY
22-84-01bcb01 St Marys
415430106493801
WATER LEVEL, IN FEET BELOW LAND SURFACE
80
85
90
95
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985


CARBON COUNTY
23-83-31bbb01 Med Bow #1
415535106482301
WATER LEVEL, IN FEET BELOW LAND SURFACE
65
70
75
80
85
90
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985

CARBON COUNTY

28-87-16cca01 Split Rock 422338107145001

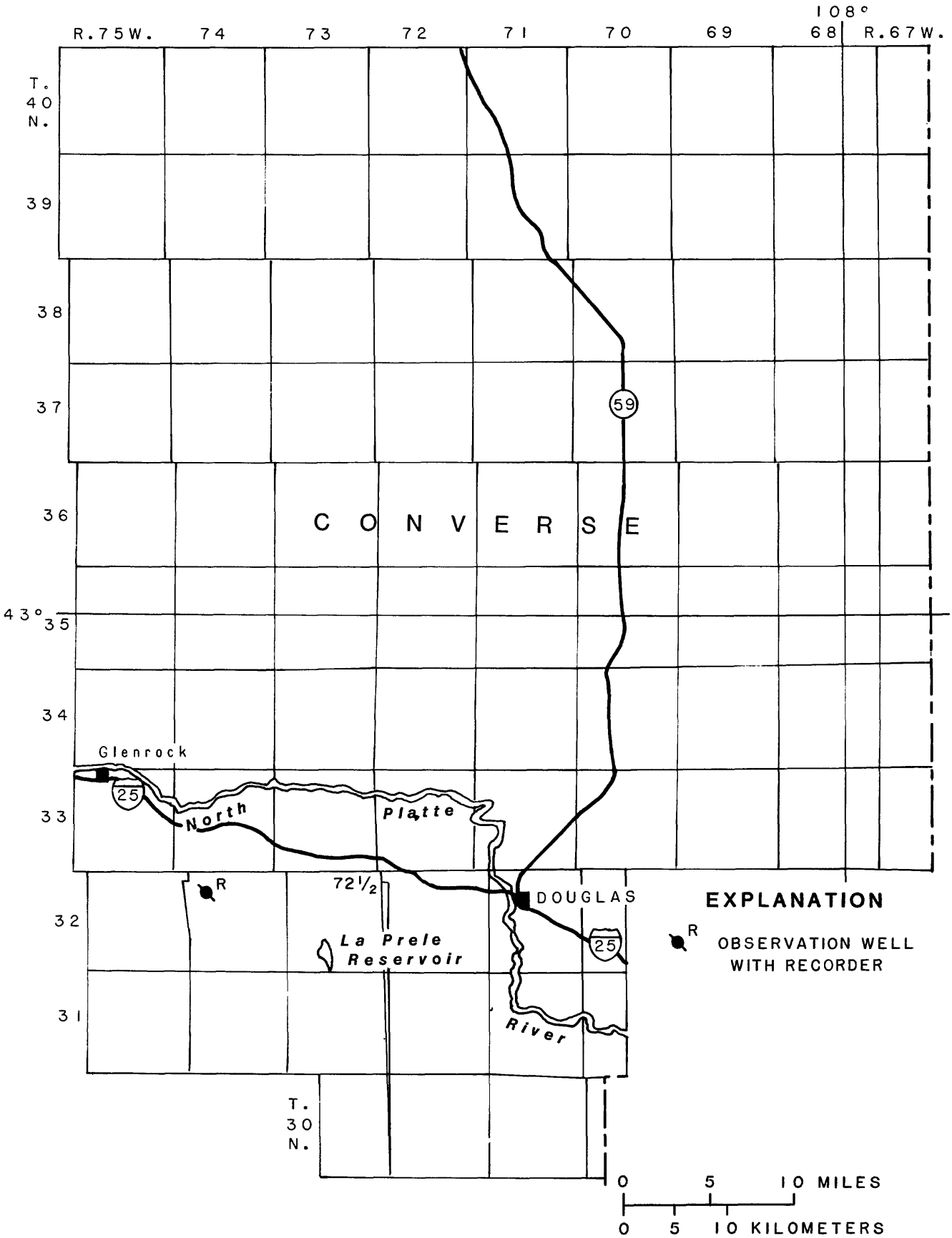


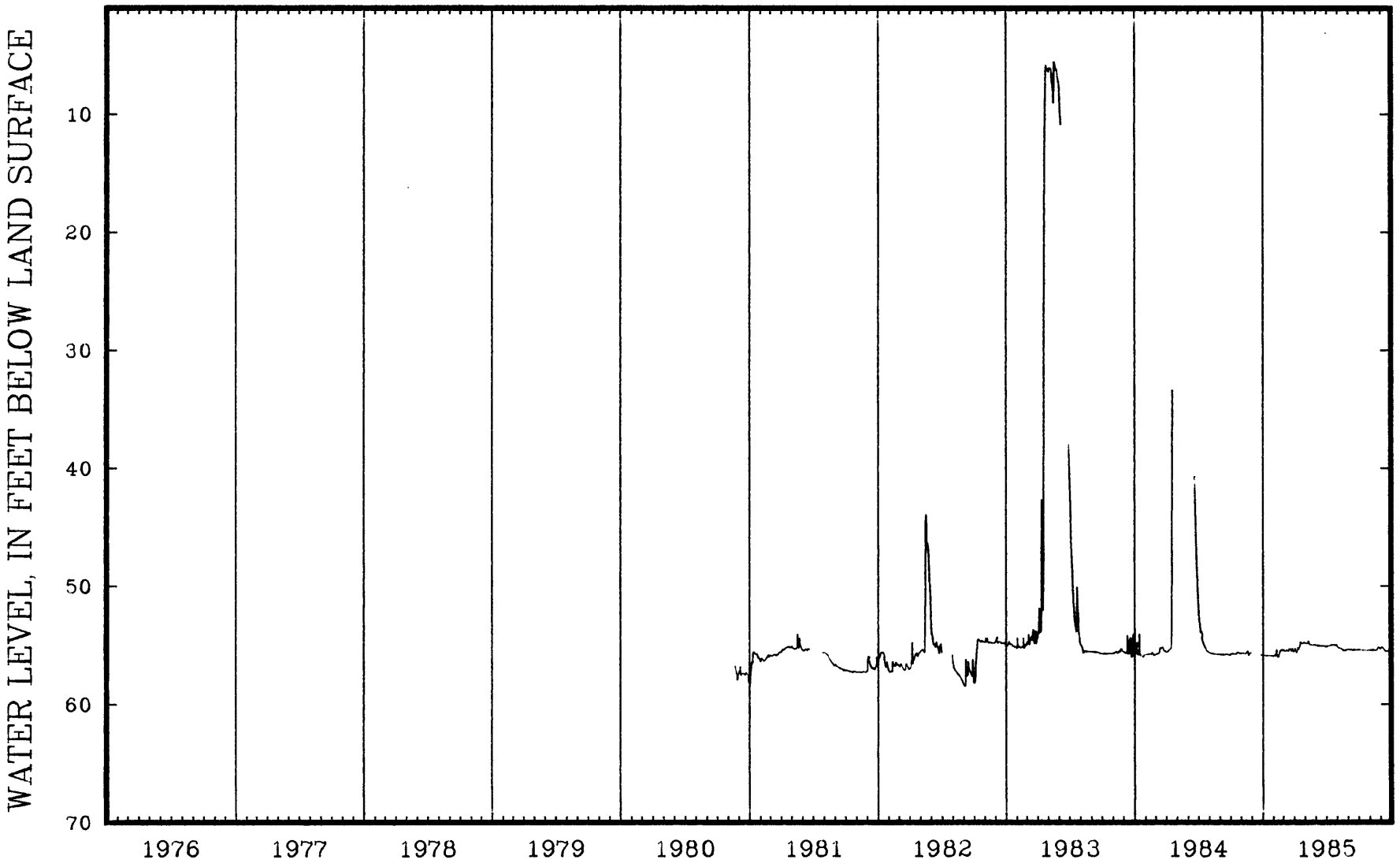
Figure 5.--Location of observation well in Converse County, Wyoming.

Record of observation well in Converse County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

Well number	Well depth (ft)	Use of water	Geologic source	Records available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
32-74-08dbc01	100	U	331MDSN	1980-85	5.51	05-83	58.50	09-82

CONVERSE COUNTY

32-74-08dbc01 Barber 424520105440501



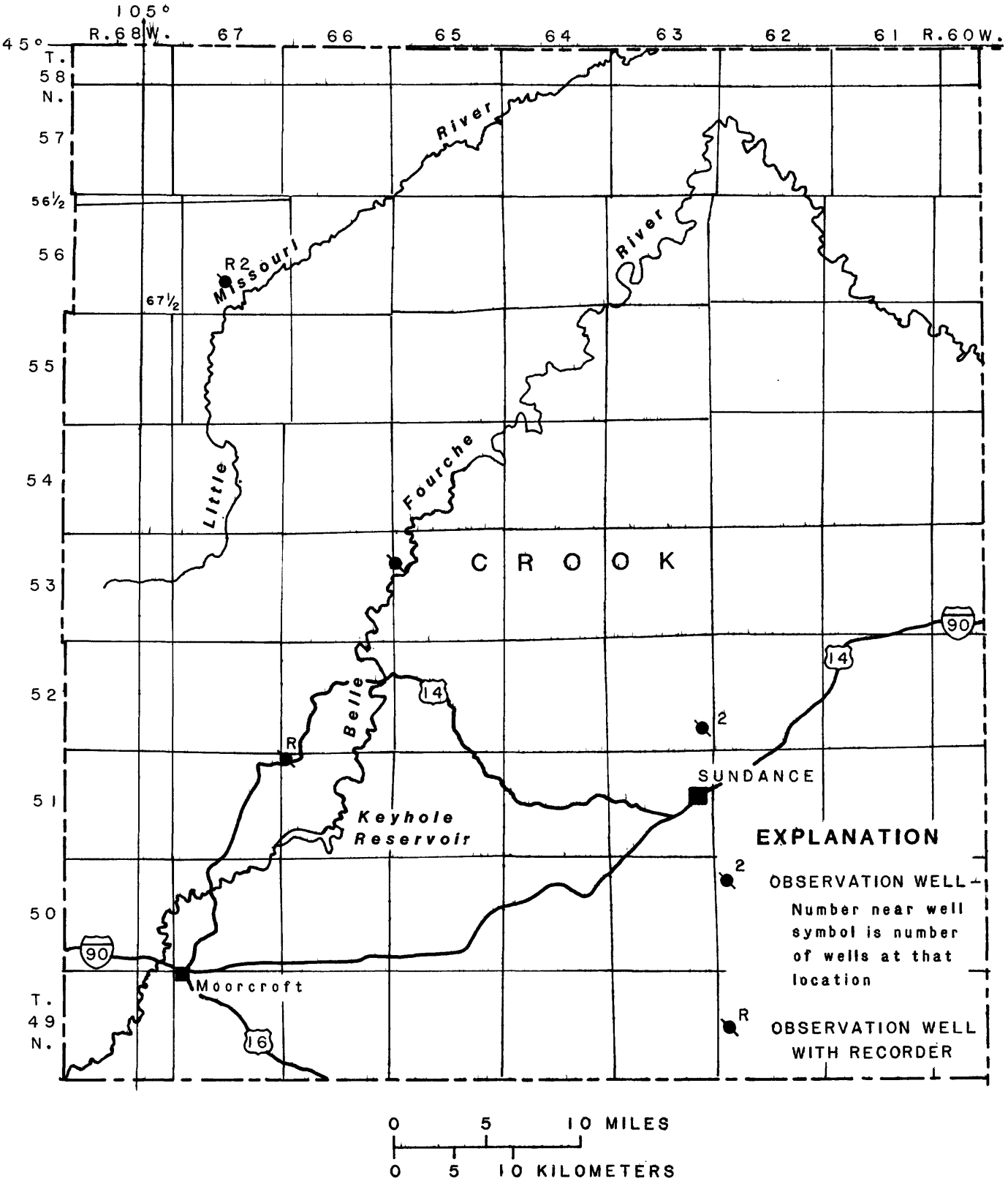
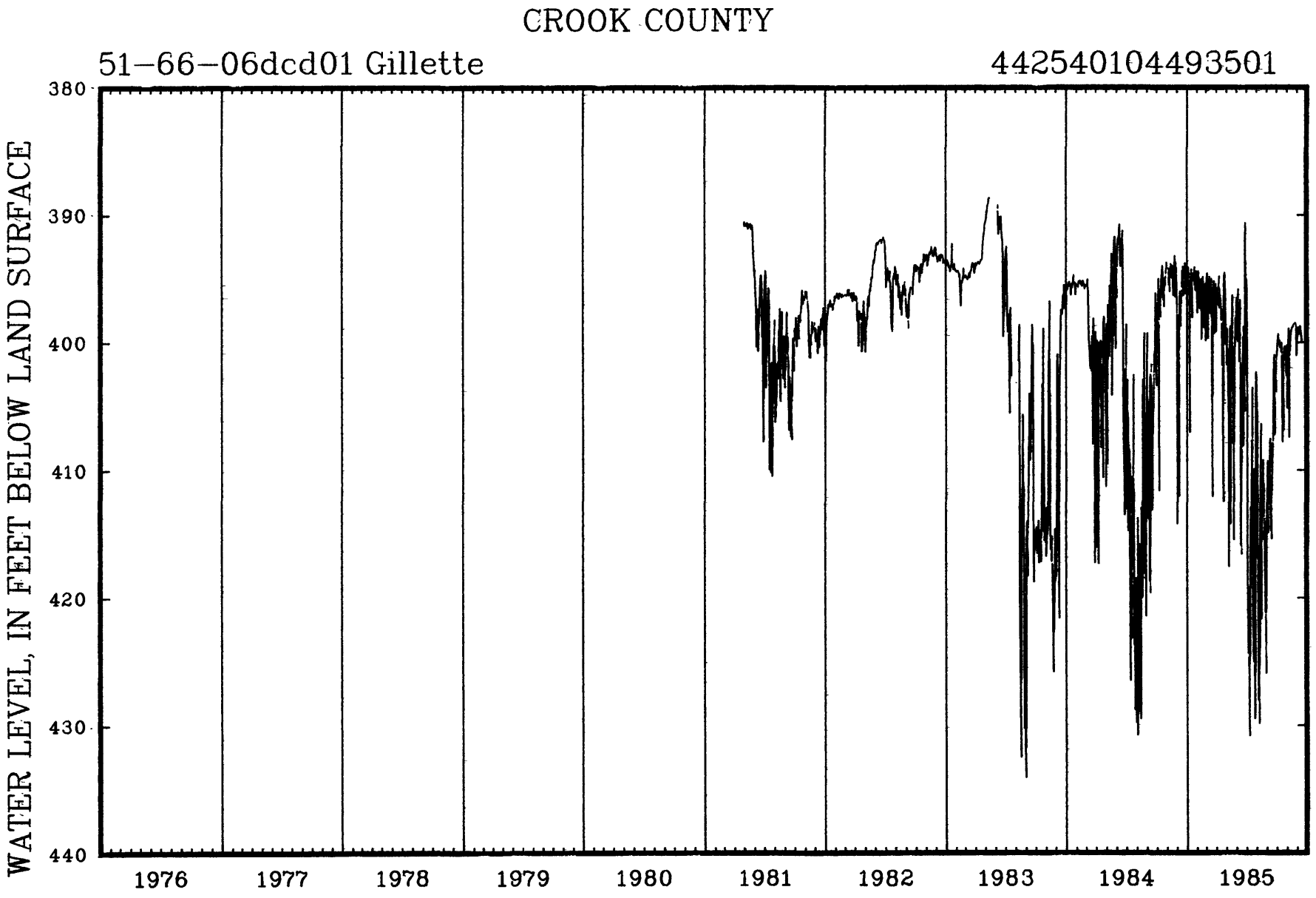


Figure 6.--Location of observation wells in Crook County, Wyoming.

Records of observation wells in Crook County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

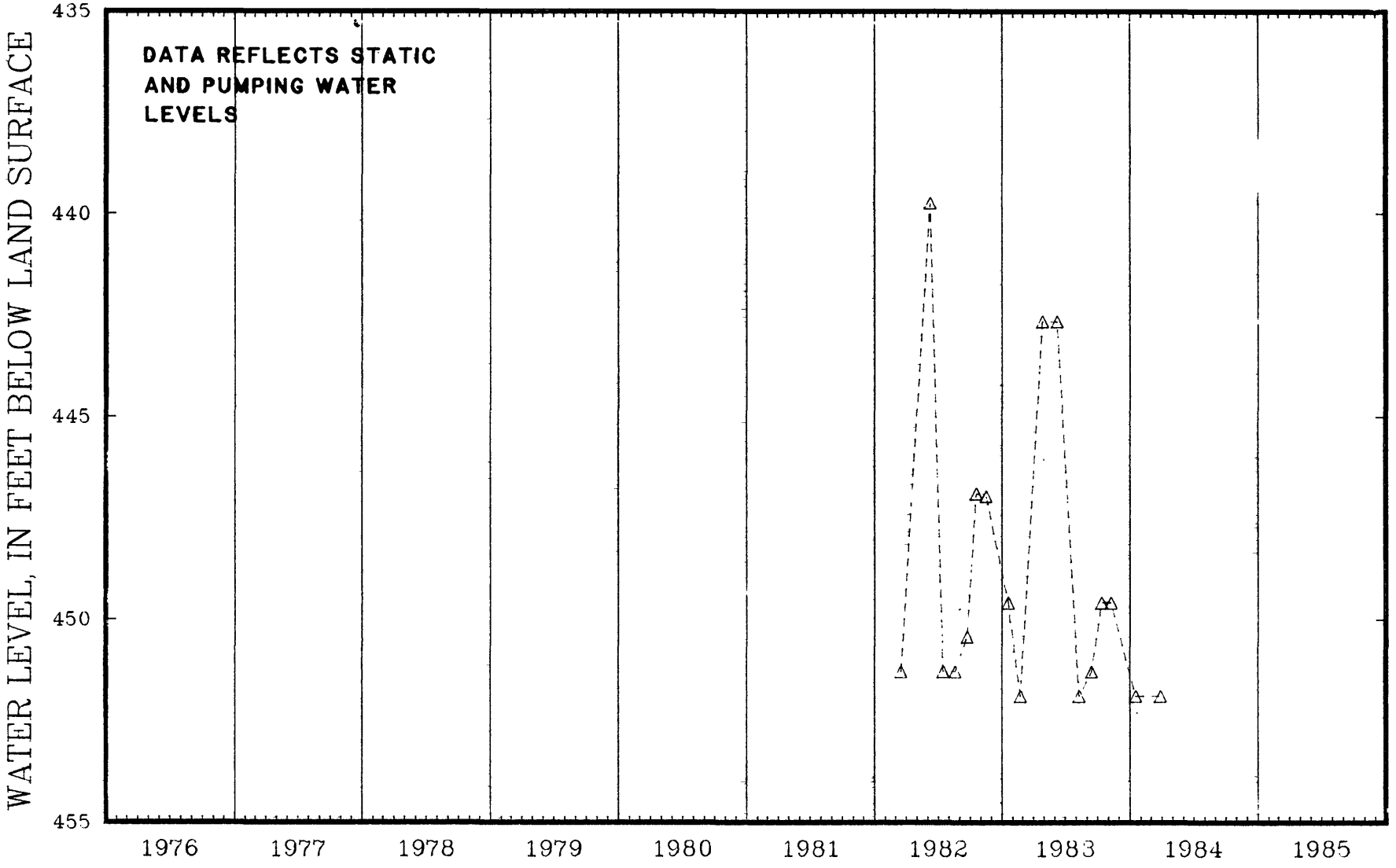
Well number	Well depth (ft)	Use of water	Geologic source	Records available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
51-66-06dcd01	3,001	P	331MDSN	1981-85	388.66	05-83	[3]434.58	09-83
52-63-25dcd01	1,123	P	331MDSN	1982-84	[1]439.73	06-82	[1,3]451.89	02-83, 08-83, 01-84, 03-84
52-63-25dcd02	1,236	P	331MDSN	1984-85	[1]431.45	04-84	[1,3]572.36	08-84
53-65-18bbd02	1,341	P	337PHSP	1962-84	[1]3.90	09-76	[1,3]26.33	01-74
56-67-28aab01	3,320	U	331MDSN	1982-85	151.65	11-84	154.88	10-82
56-67-28aab02	2,240	U	331MDSN	1983-85	128.20	12-84	132.55	09-85

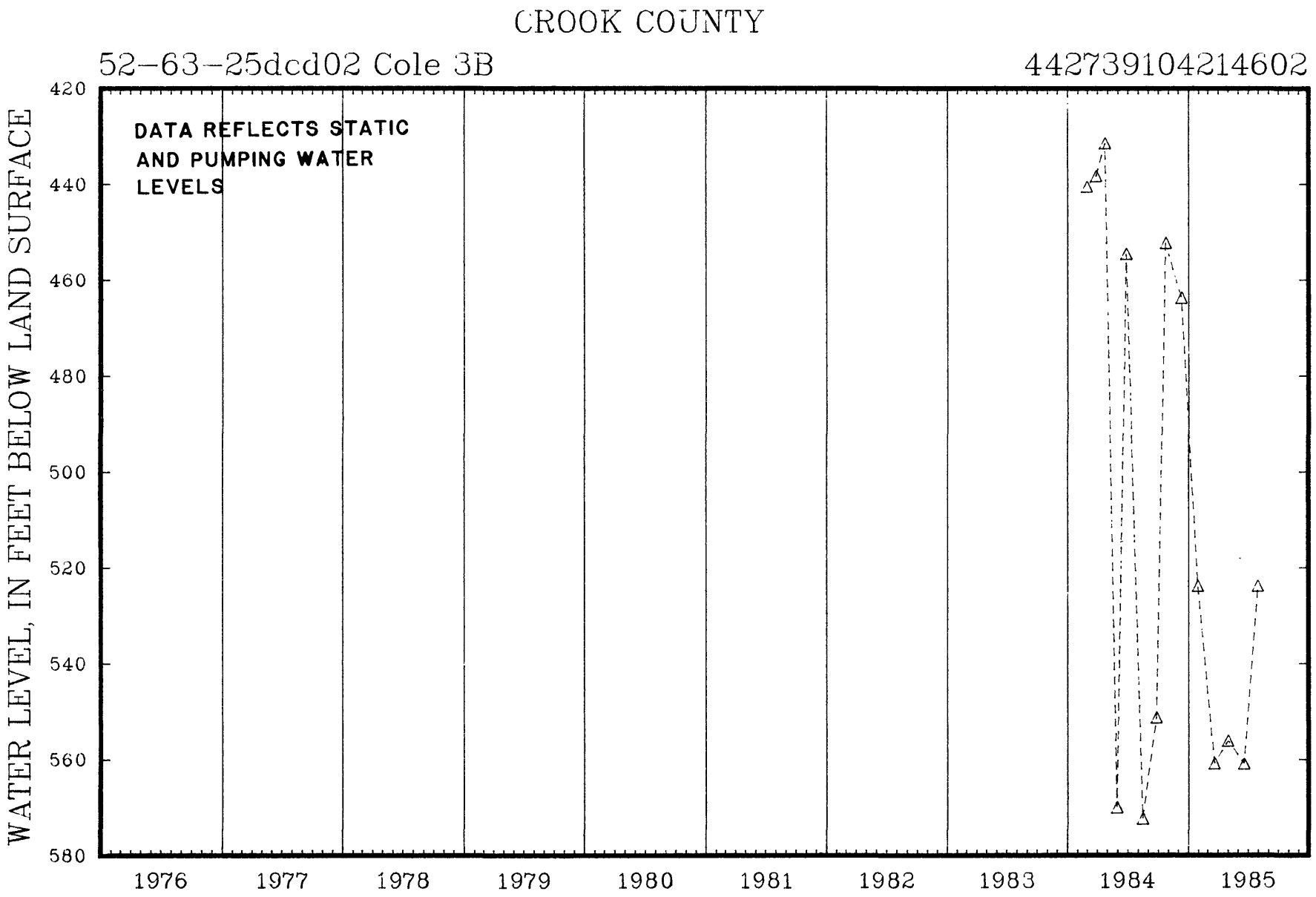
[1] From hand-measured data
[3] Well being pumped

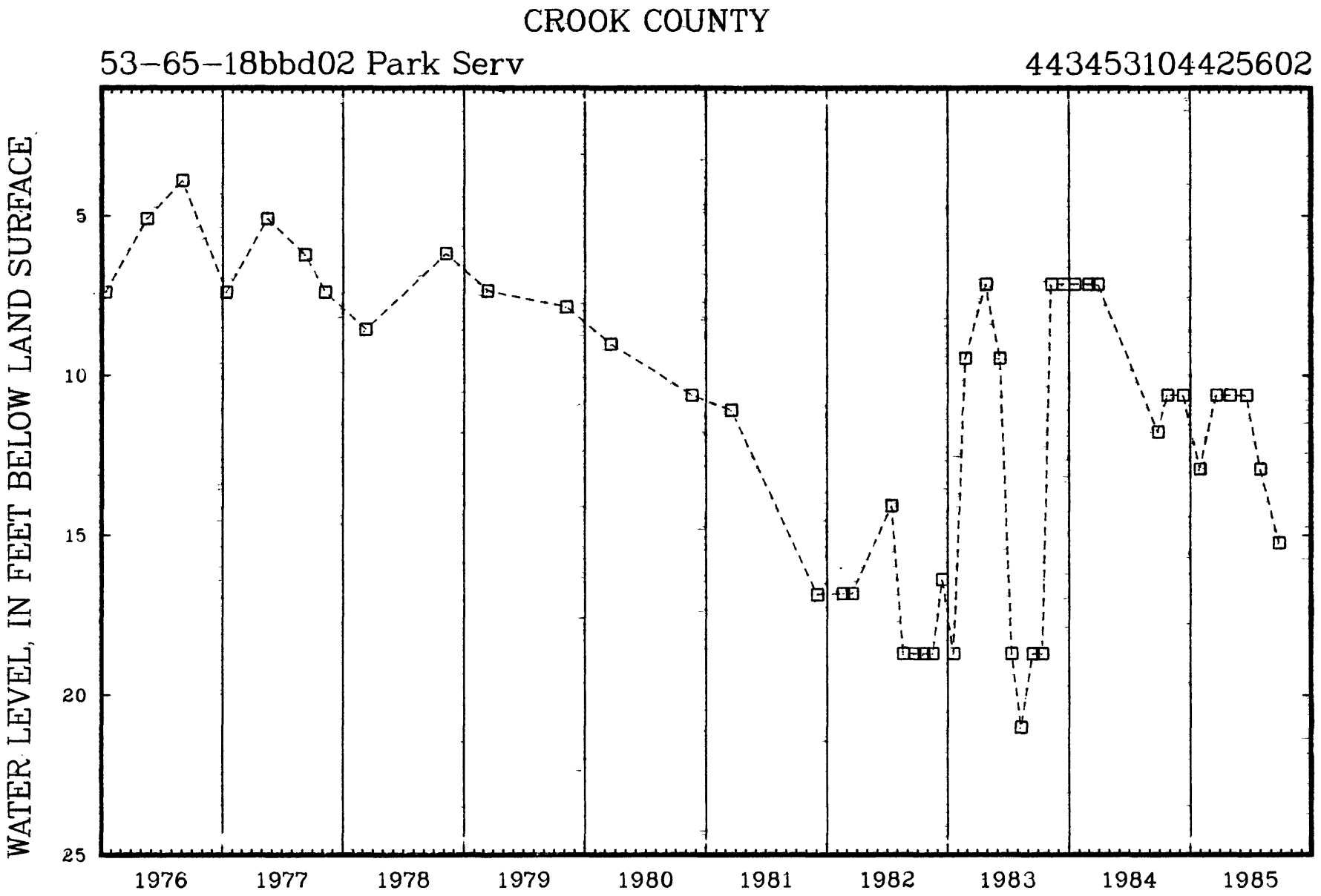

CROOK COUNTY
51-66-06dcd01 Gillette
442540104493501
WATER LEVEL, IN FEET BELOW LAND SURFACE
380
390
400
410
420
430
440
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985

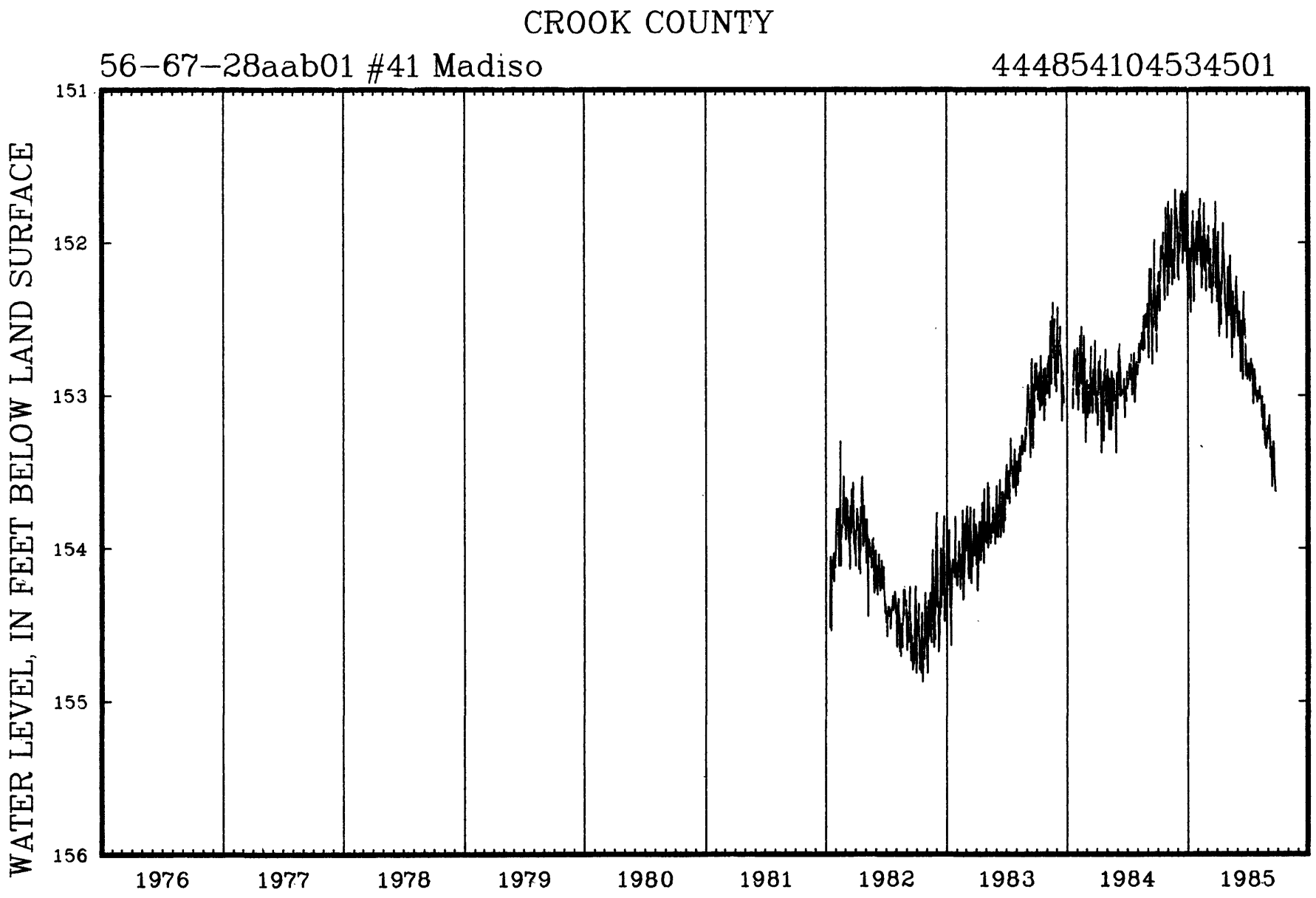
CROOK COUNTY

52-63-25dcd01 Cole 3A 442739104214601



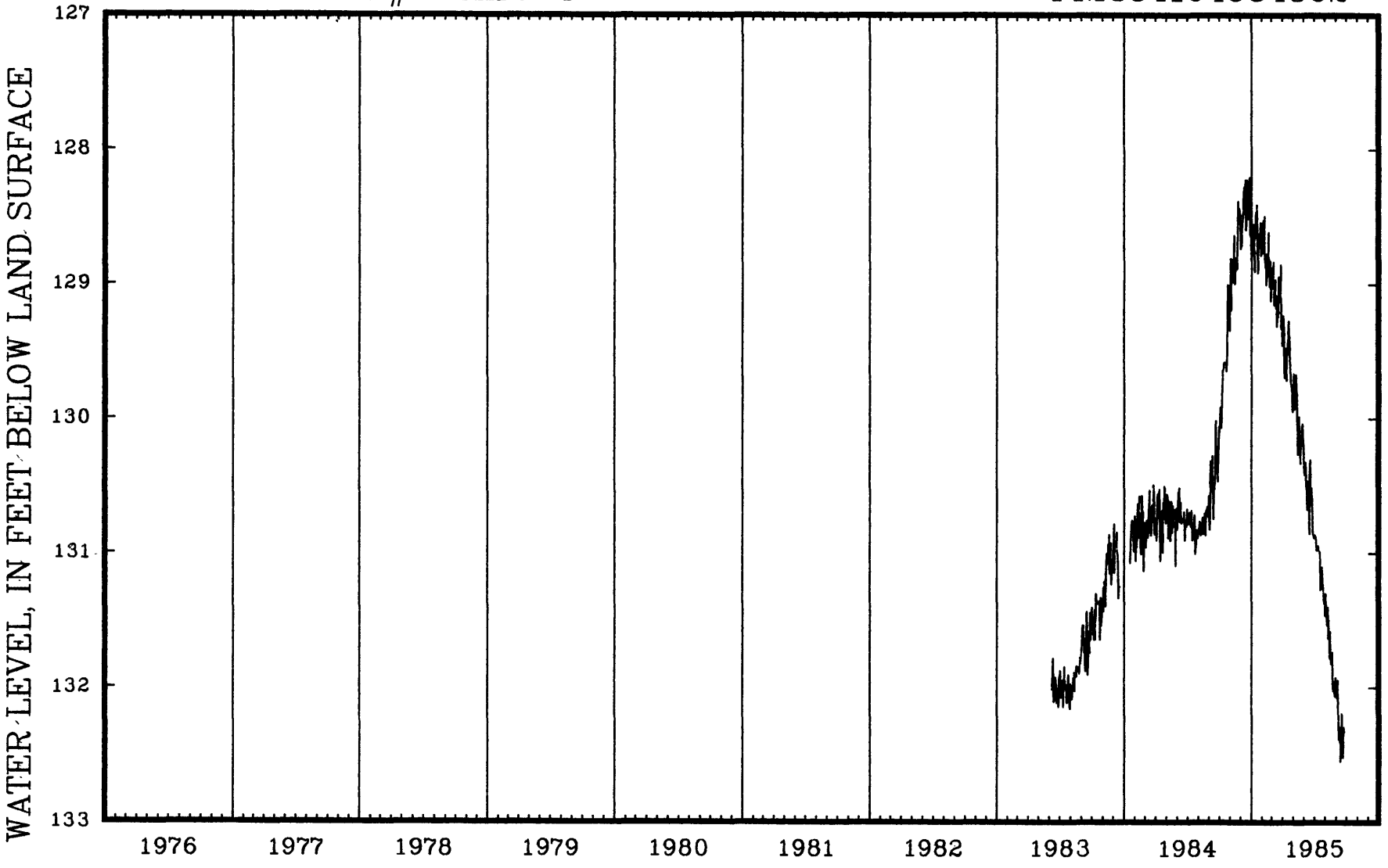

CROOK COUNTY
52-63-25dcd02 Cole 3B
442739104214602
DATA REFLECTS STATIC AND PUMPING WATER LEVELS
WATER LEVEL, IN FEET BELOW LAND SURFACE
420
440
460
480
500
520
540
560
580
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985


CROOK COUNTY
53-65-18bbd02 Park Serv
443453104425602
WATER LEVEL, IN FEET BELOW LAND SURFACE
5
10
15
20
25
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985


CROOK COUNTY
56-67-28aab01 #41 Madiso
444854104534501
WATER LEVEL, IN FEET BELOW LAND SURFACE
151
152
153
154
155
156
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985

CROOK COUNTY

56-67-28aab02 #41 Minnel 444854104534502



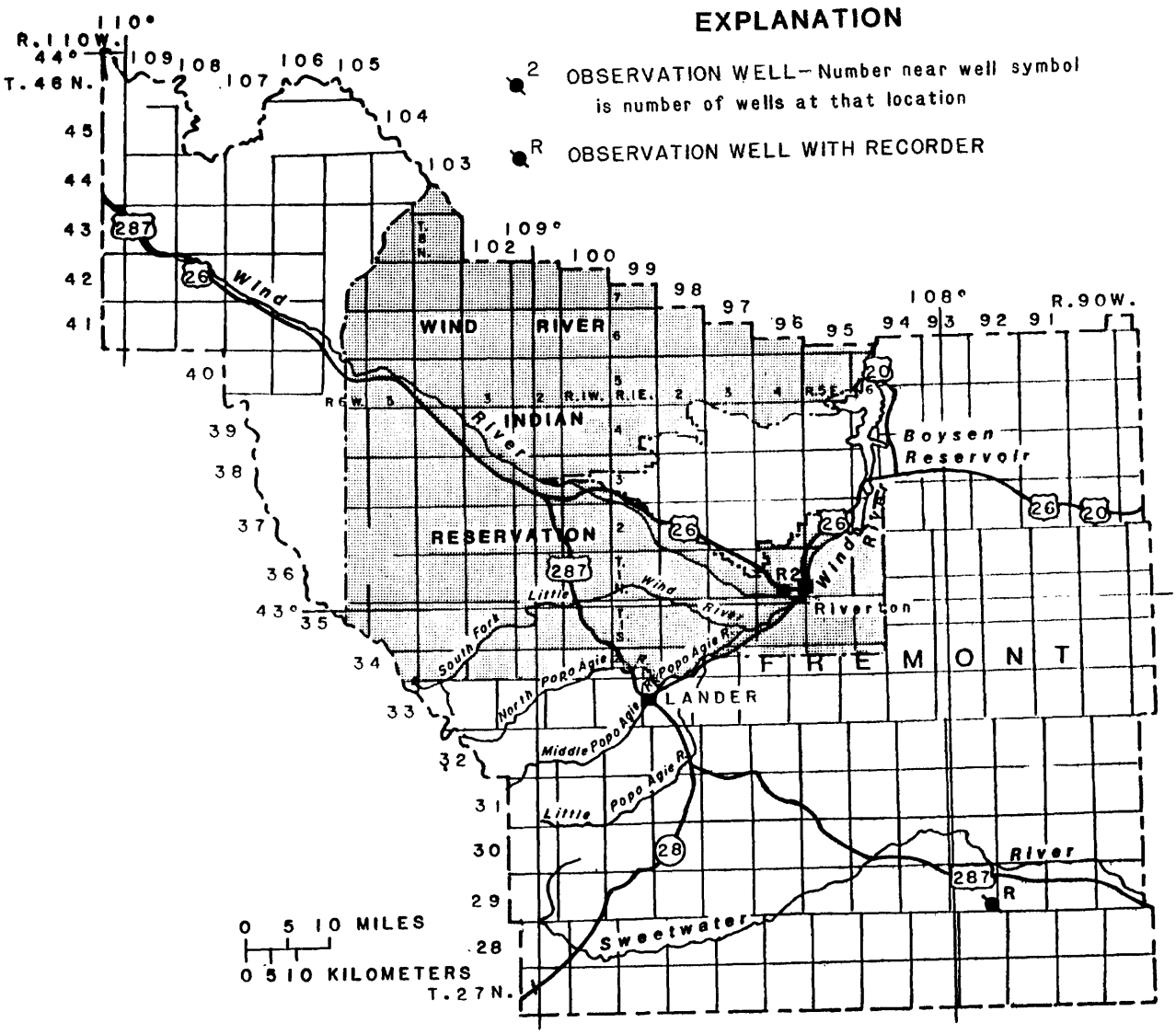


Figure 7.--Location of observation wells in Fremont County, Wyoming.

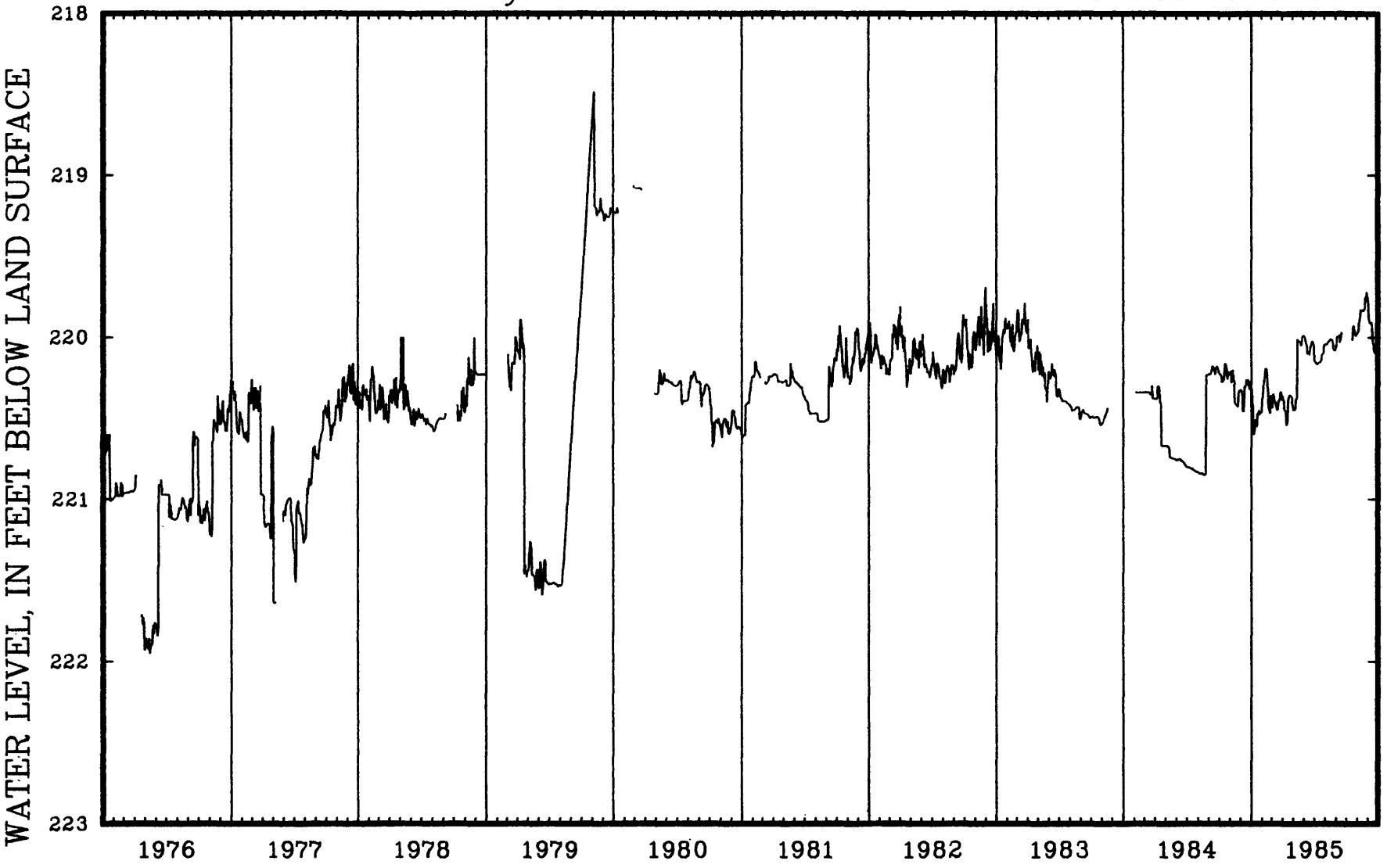
Records of observation wells in Fremont County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

Well number	Well depth (ft)	Use of water	Geologic source	Records available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
29-93-36db 01	1,000	U	122ARKR	1974-85	218.48	11-79	221.95	05-76
A1-04-28acc01	440	U	124WDRV	1983-85	[1]119.58	09-85	[1]132.44	07-85
A1-04-33ddb01	435	U	124WDRV	1951, 1961-85	29.51	03-51	152.43	09-62

[1] From hand-measured data

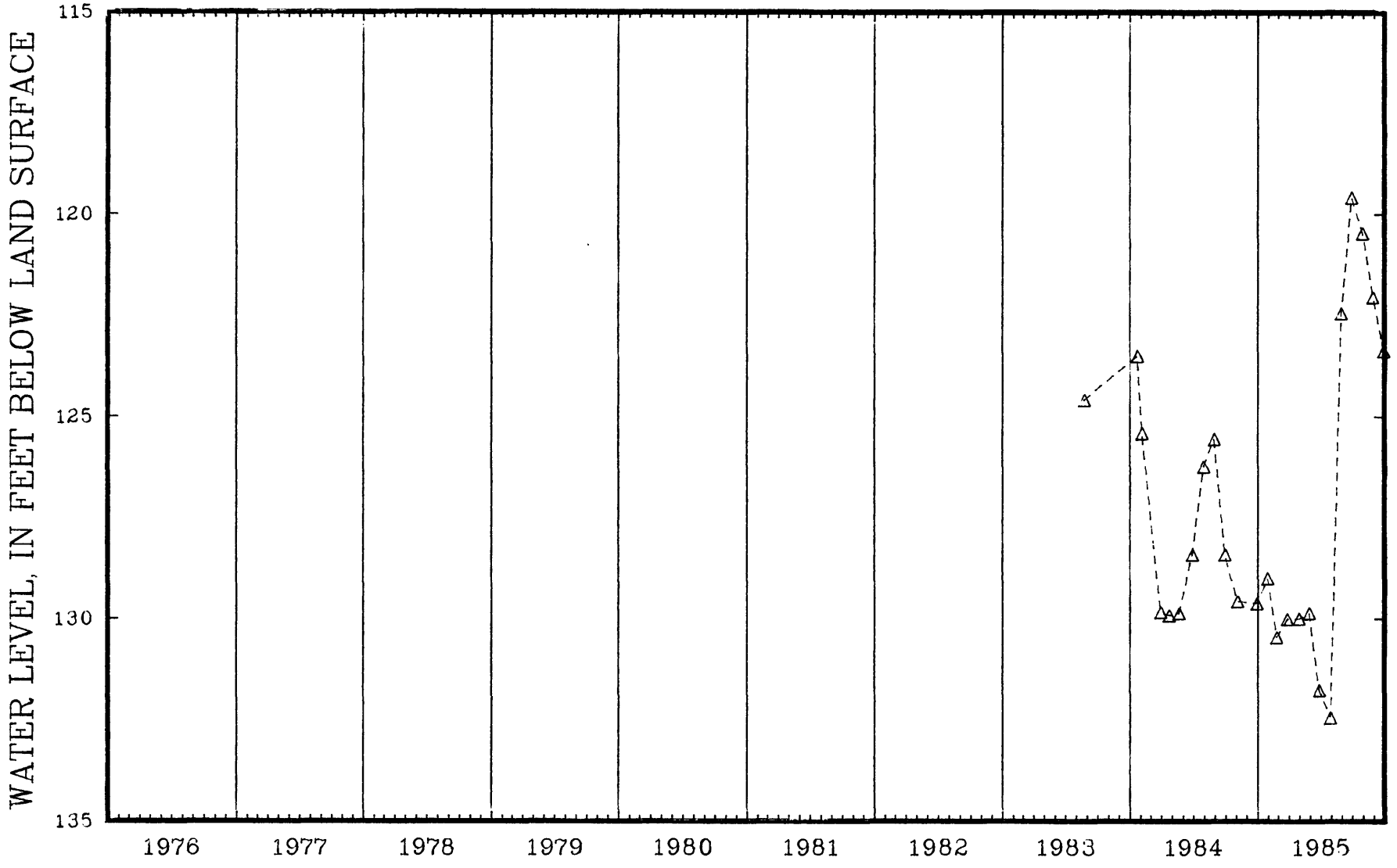
FREMONT COUNTY

29-93-36db 01 Jeff City 422632107540501



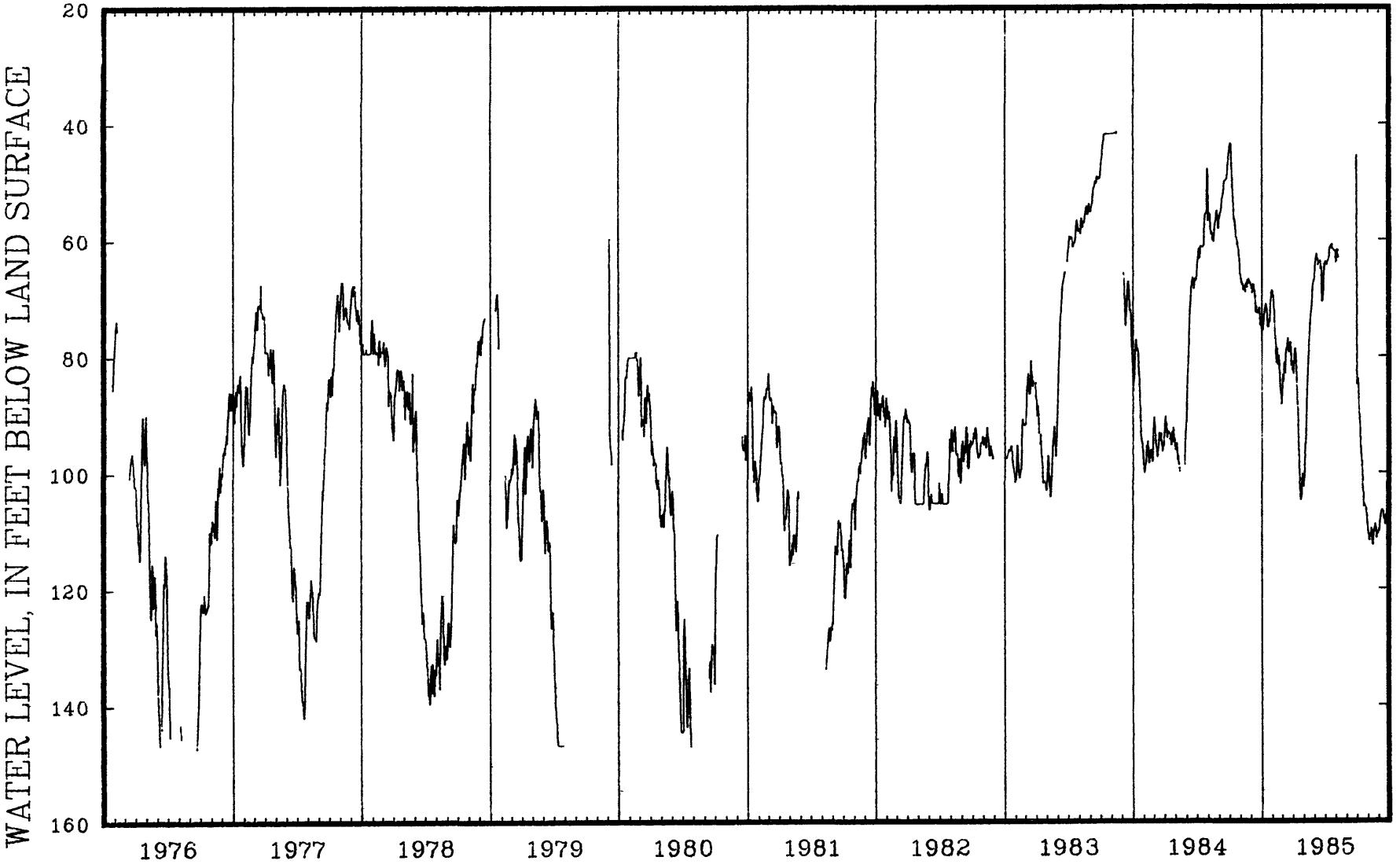
FREMONT COUNTY

A1-04-28acc01 Brentwood 430205108243201



FREMONT COUNTY

A1-04-33ddb01 Teton Stud 430051108240901



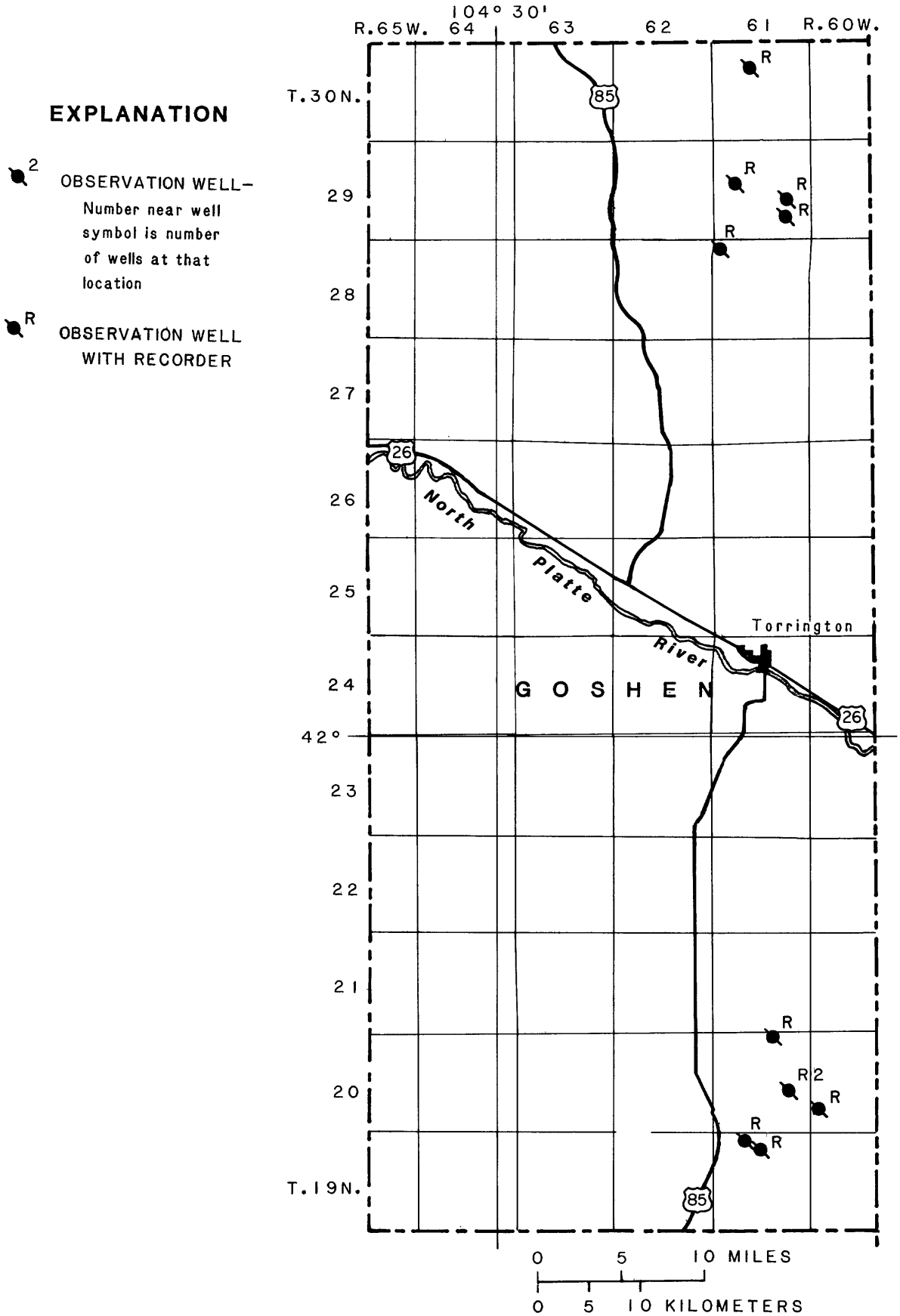
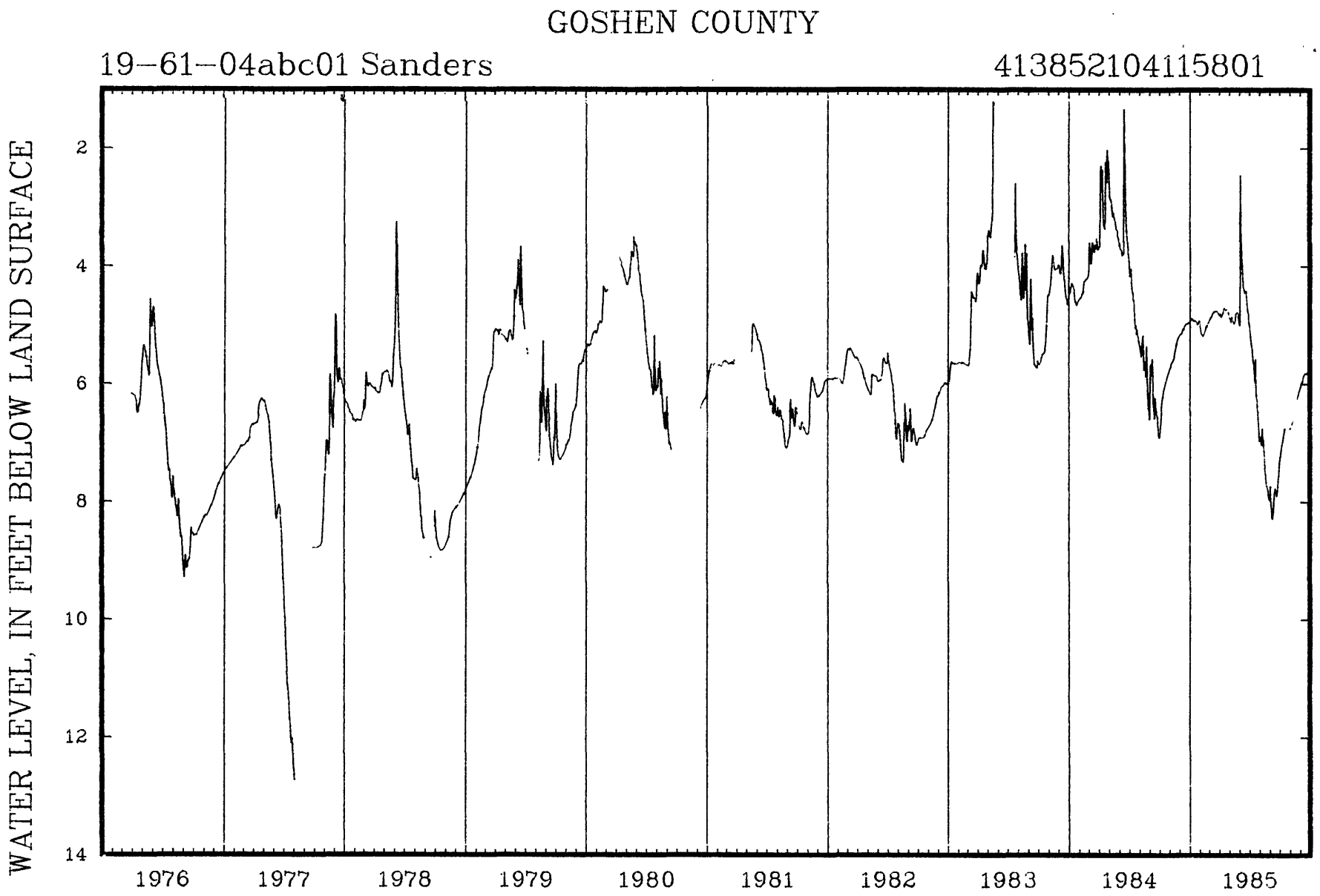


Figure 8.--Location of observation wells in Goshen County, Wyoming.

Records of observation wells in Goshen County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

Well number	Well depth (ft)	Use of water	Geologic source	Records available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
19-61-04abc01	50	U	111ALVM	1972-85	1.20	05-83	12.73	08-77
10aab01	200	U	123BRUL	1980-85	8.56	06-83	15.58	04-85
20-60-30bbb01	70	U	123BRUL	1978-85	31.40	06-83	[1]61.25	07-78
20-61-03dad01	100	U	123WRVR	1980-85	16.85	06-83	24.83	02-85
23bdb02	70	U	123BRUL	1978-85	2.10	04-84	[1]26.74	09-78
23ccc01	82	U	111ALVM	1972-85	9.97	06-84	[1]32.59	09-78
28-61-06aba01	220	U	122ARKR	1979-85	127.23	05-79	132.41	12-85
29-61-17aad01	220	U	122ARKR	1980-85	124.50	01-81	126.88	12-85
23abb01	300	U	122ARKR	1979-85	210.62	06-80	211.82	12-85
26cbb01	200	U	122ARKR	1980-85	131.89	05-81	135.10	12-85
30-61-09bbb01	220	U	122ARKR	1981-85	80.61	05-81	83.38	11-85

[1] From hand-measured data


GOSHEN COUNTY
19-61-04abc01 Sanders
413852104115801
WATER LEVEL, IN FEET BELOW LAND SURFACE
2
4
6
8
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12
14
1976
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1978
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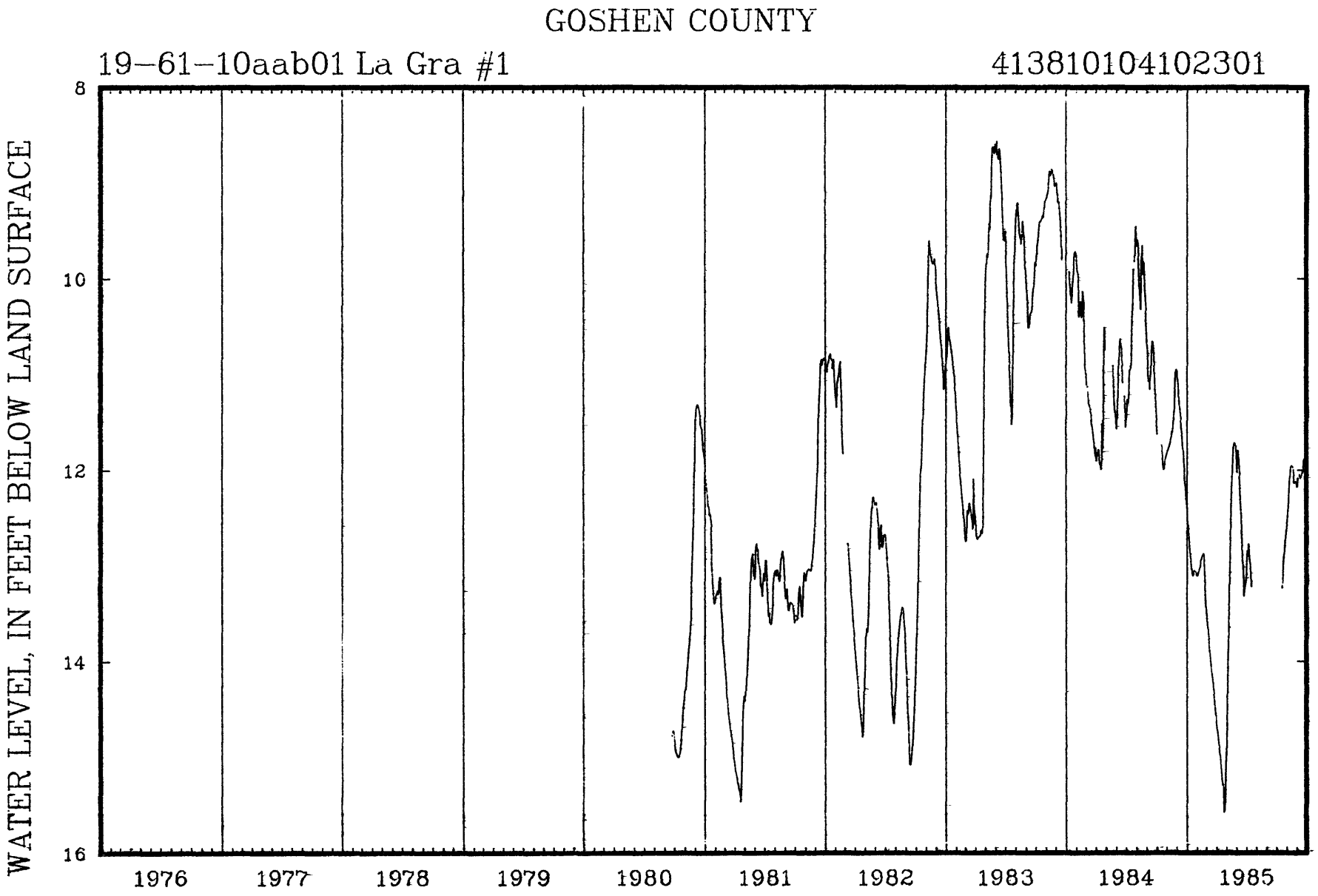
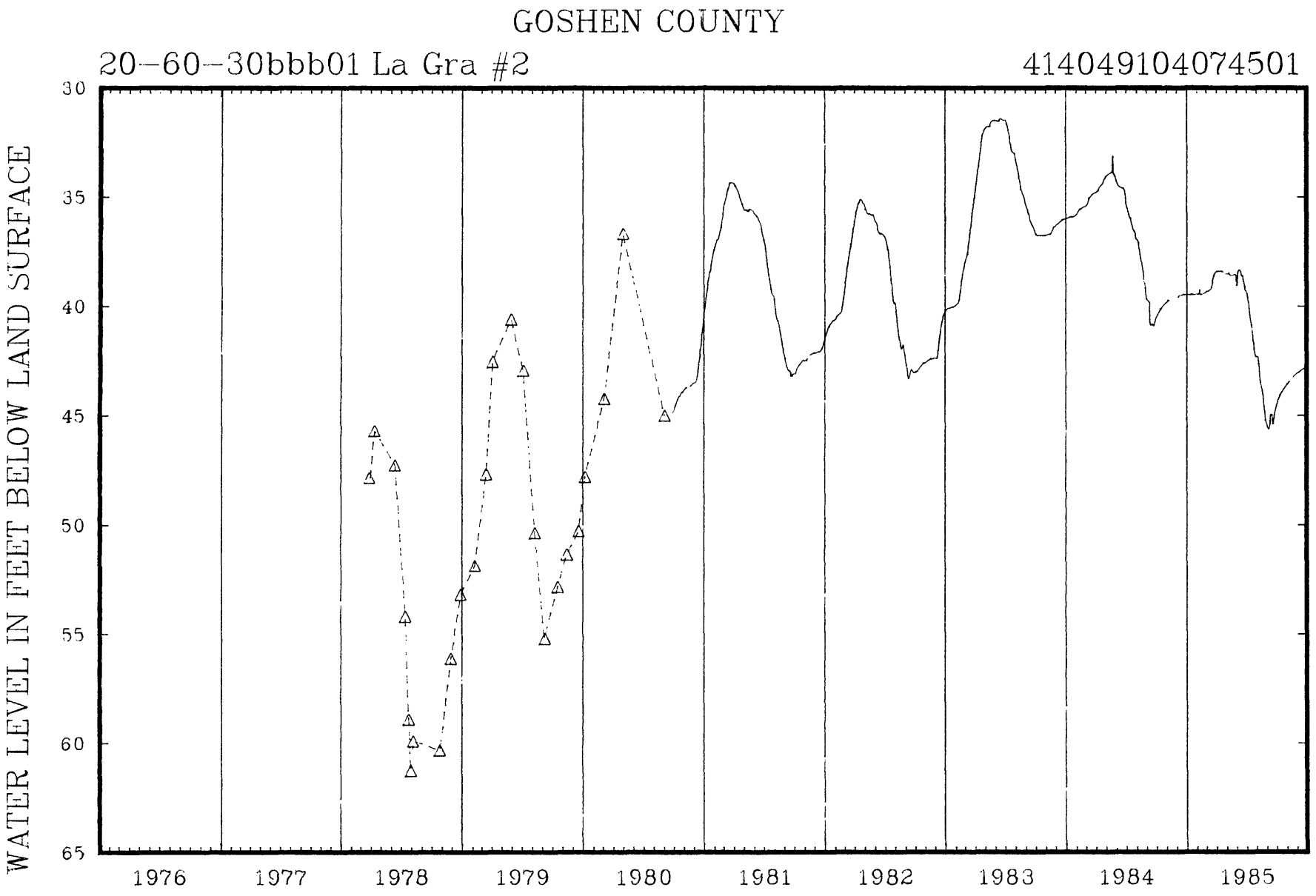
1980
1981
1982
1983
1984
1985


GOSHEN COUNTY
19-61-10aab01 La Gra #1
413810104102301
WATER LEVEL, IN FEET BELOW LAND SURFACE
8
10
12
14
16
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985


GOSHEN COUNTY
20-60-30bbb01 La Gra #2
414049104074501
WATER LEVEL IN FEET BELOW LAND SURFACE
30
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1976
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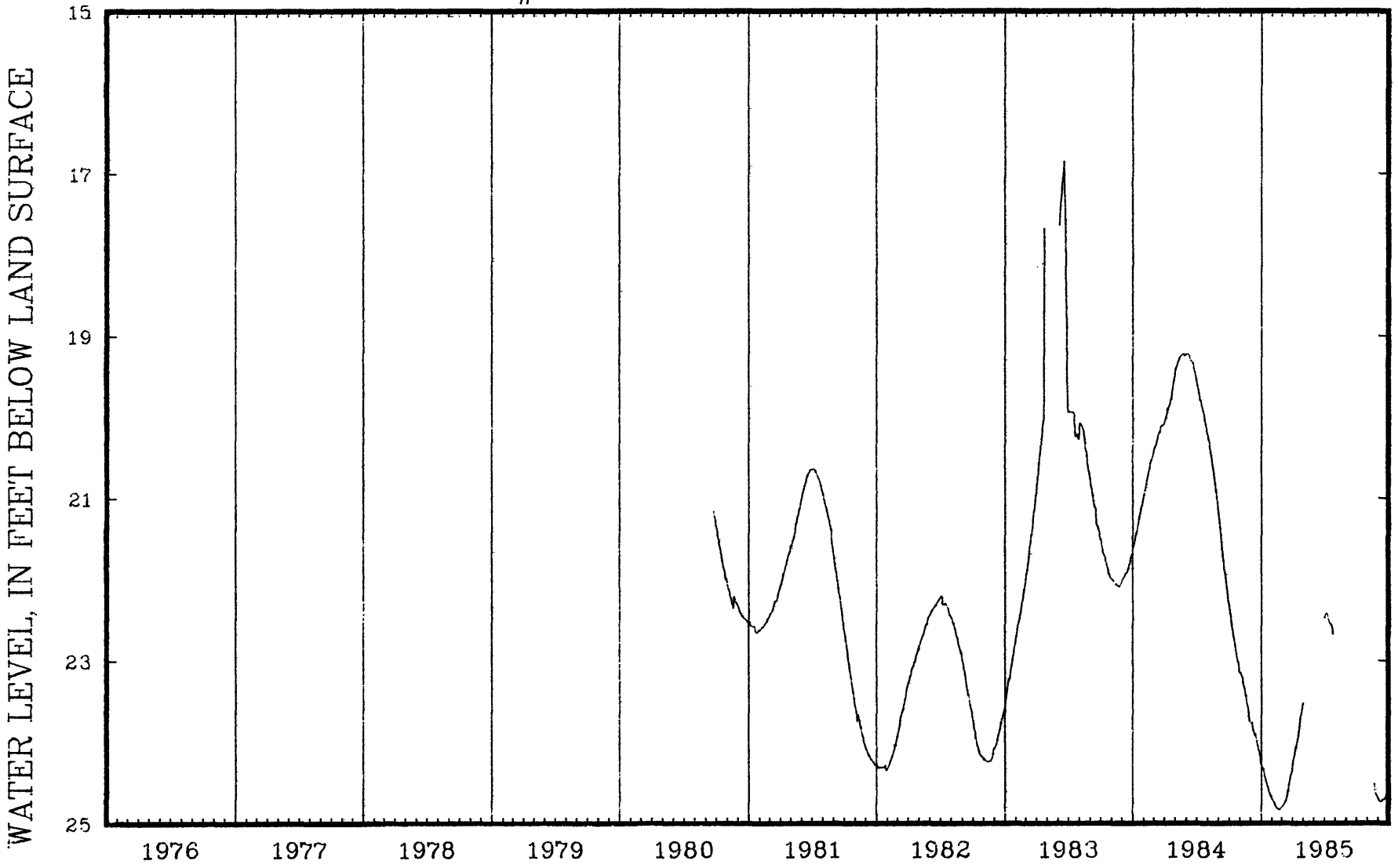
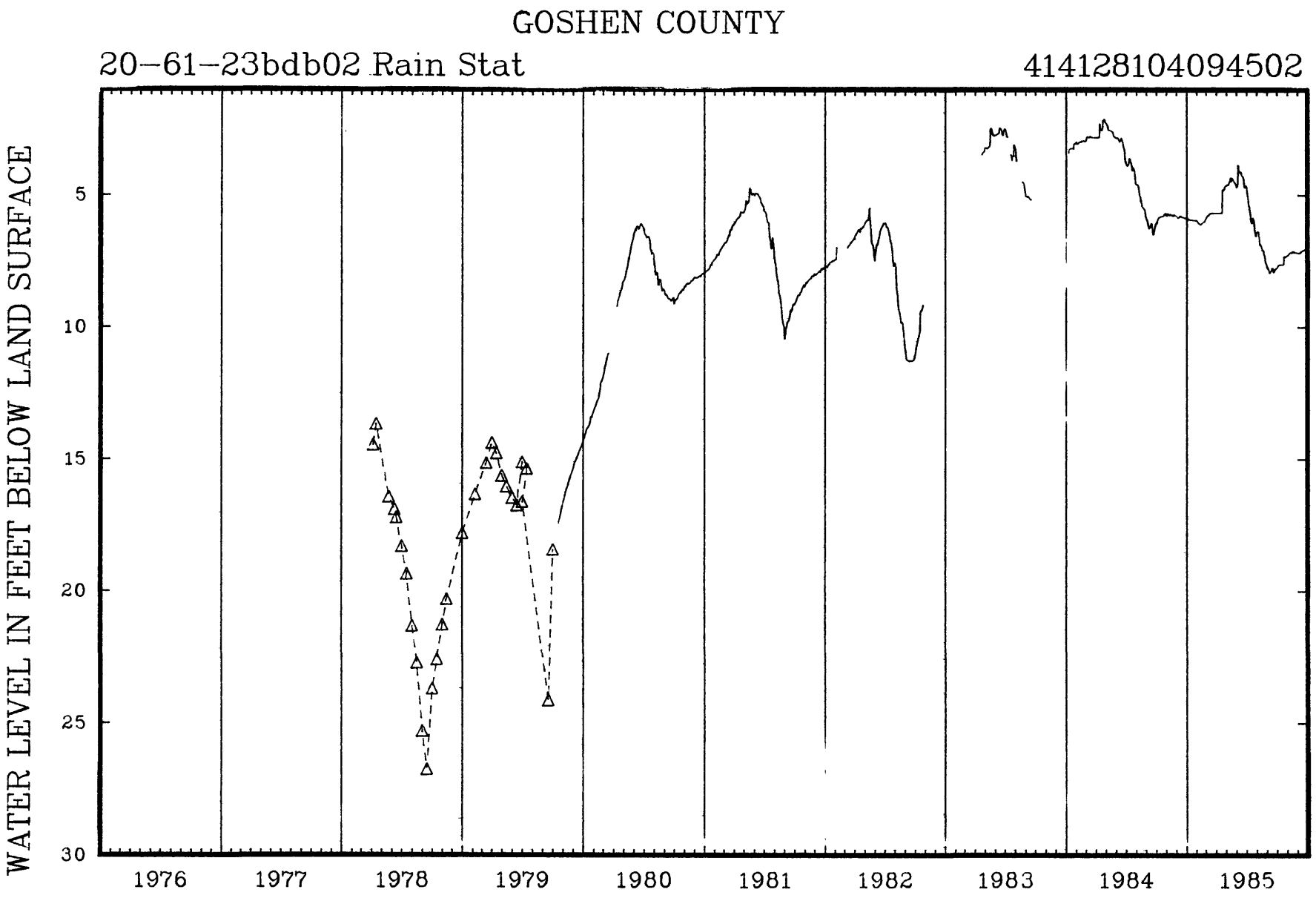
1982
1983
1984
1985

GOSHEN COUNTY

20-61-03dad01 La Gra #3 414348104101301




GOSHEN COUNTY
20-61-23bdb02 Rain Stat
414128104094502
WATER LEVEL IN FEET BELOW LAND SURFACE
5
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15
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25
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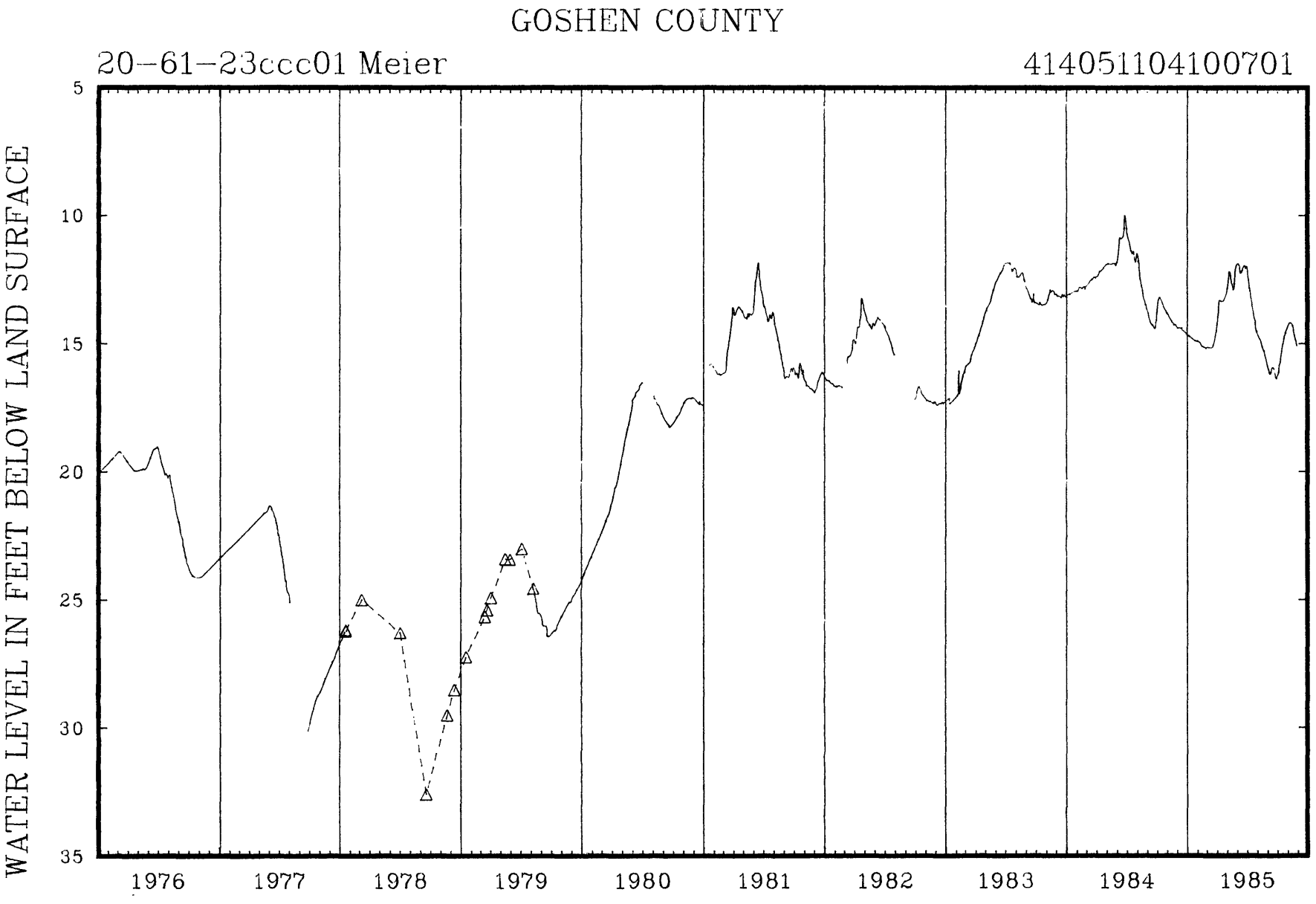
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985


GOSHEN COUNTY
20-61-23ccc01 Meier
414051104100701
WATER LEVEL IN FEET BELOW LAND SURFACE
5
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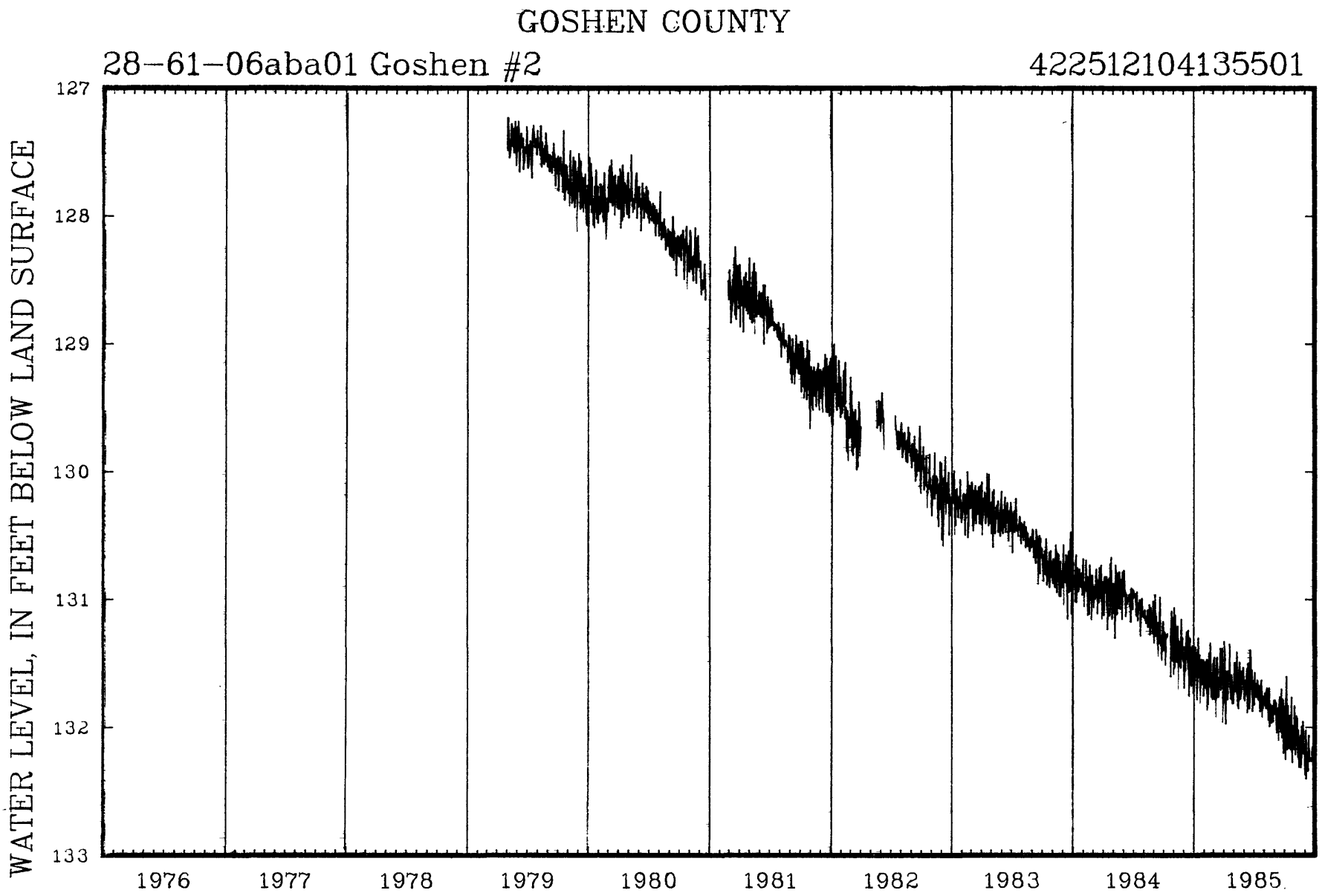
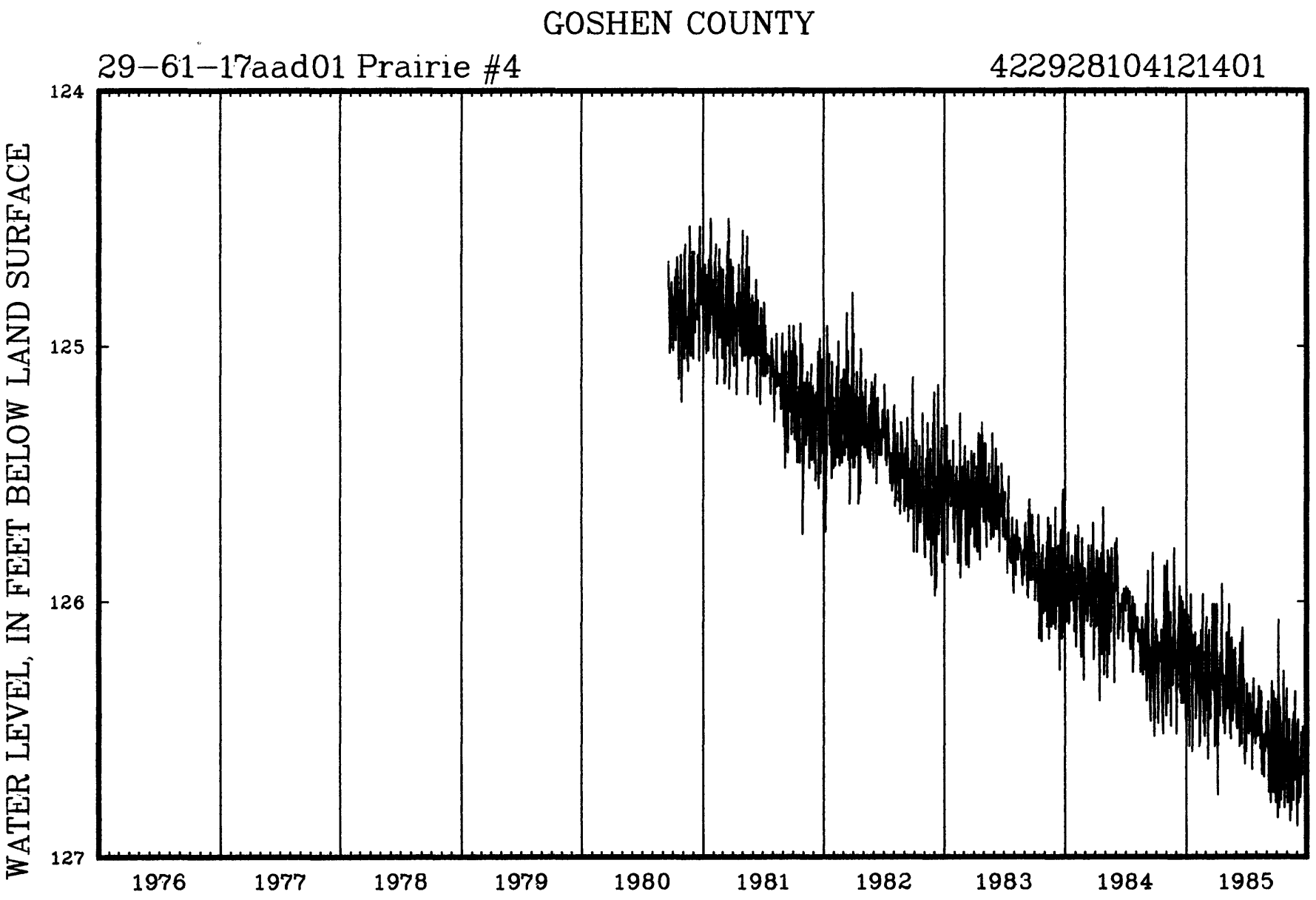
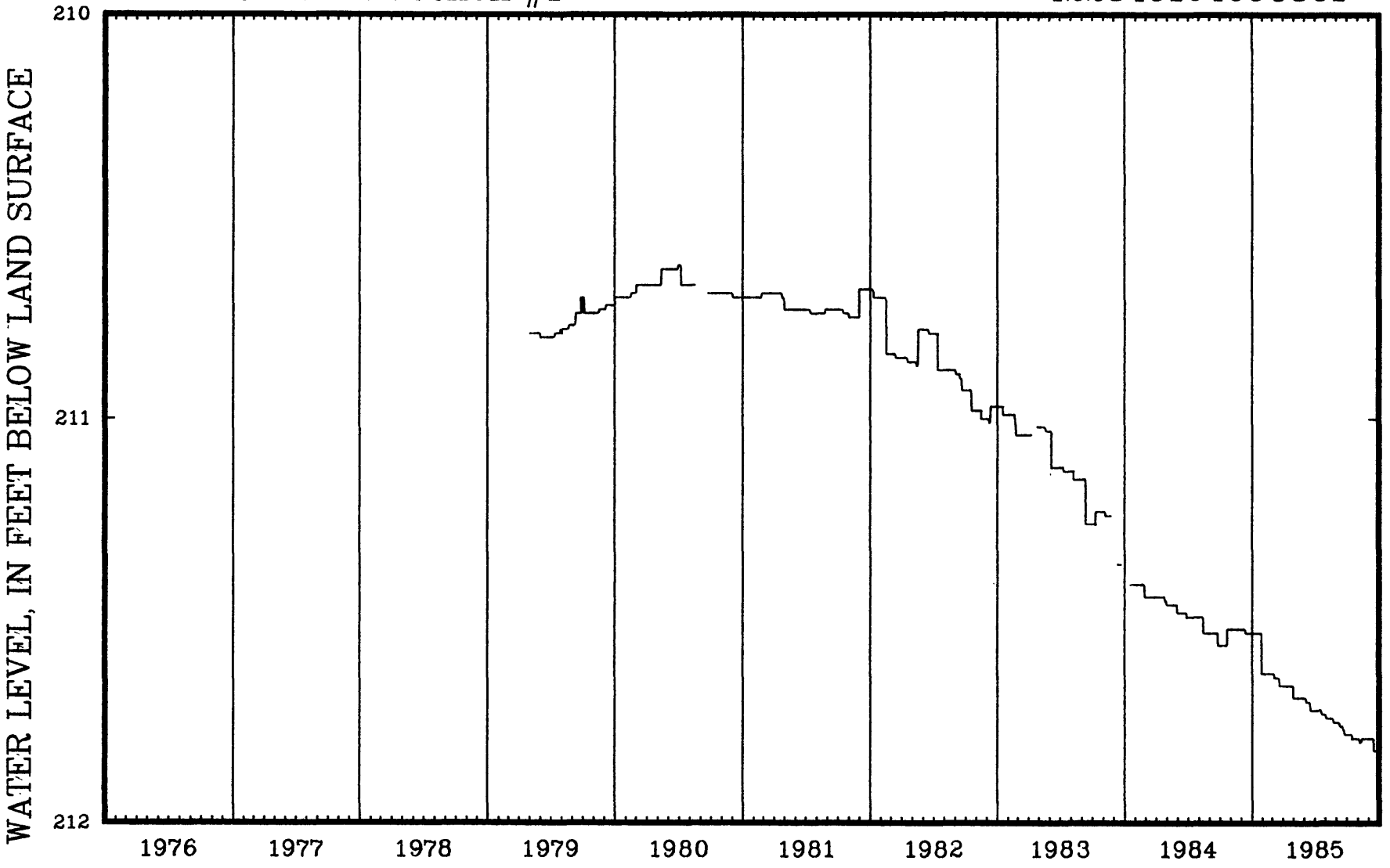
35
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985


GOSHEN COUNTY
28-61-06aba01 Goshen #2
422512104135501
WATER LEVEL, IN FEET BELOW LAND SURFACE
127
128
129
130
131
132
133
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985


GOSHEN COUNTY
29-61-17aad01 Prairie #4
422928104121401
WATER LEVEL, IN FEET BELOW LAND SURFACE
124
125
126
127
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985

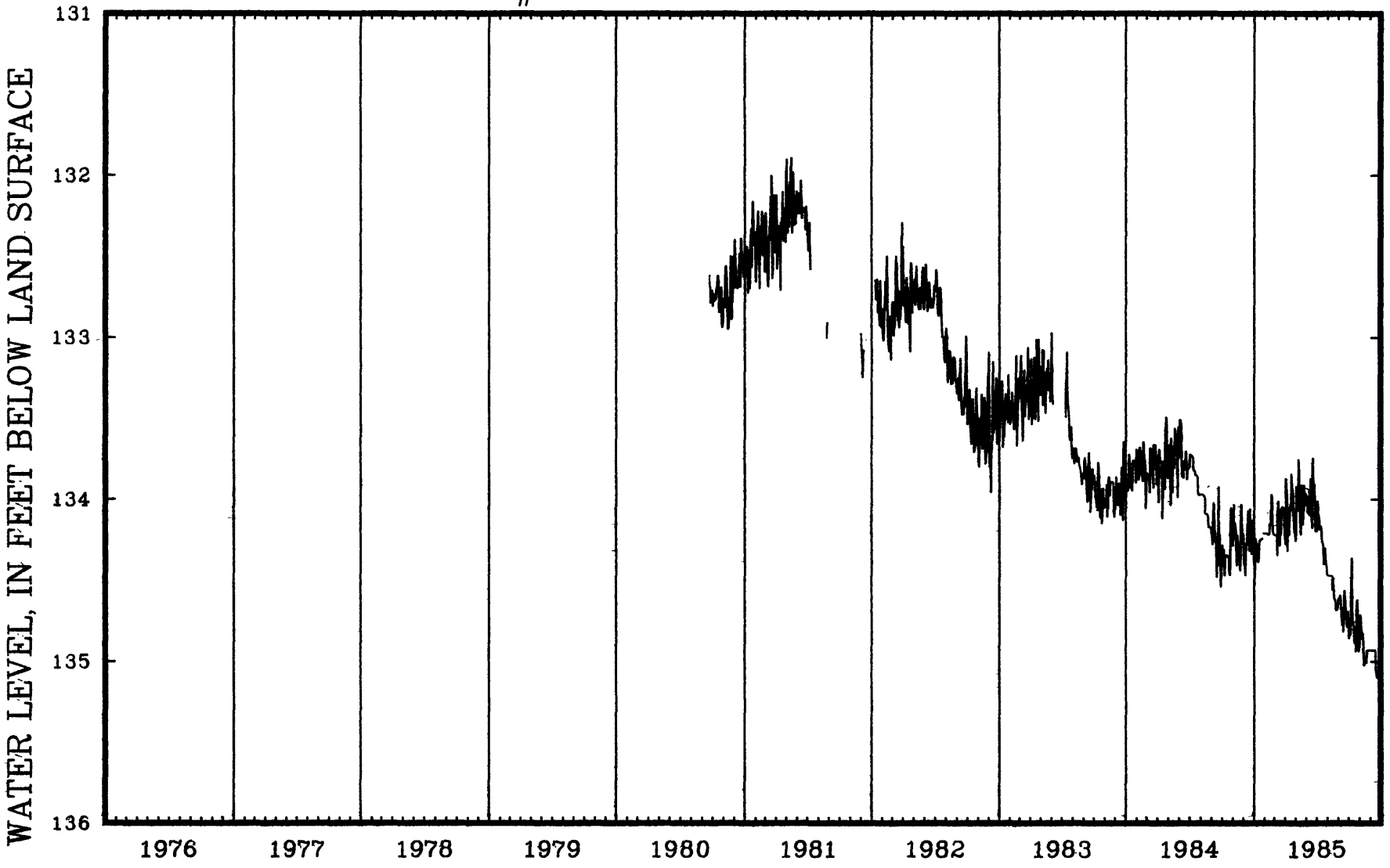
GOSHEN COUNTY

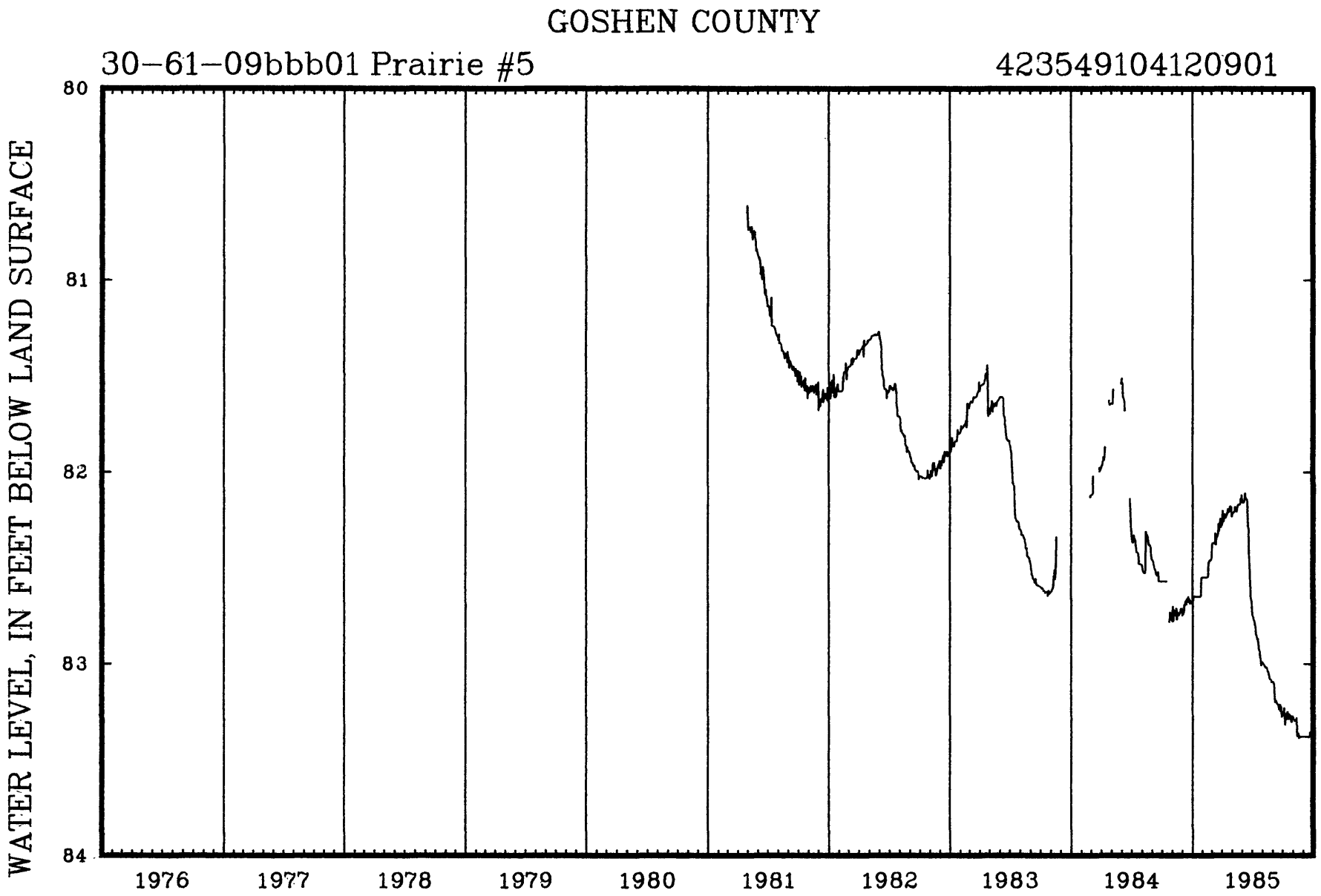
29-61-23abb01 Goshen #1 422849104090801



GOSHEN COUNTY

29-61-26cbb01 Prairie #3 422730104094801




GOSHEN COUNTY
30-61-09bbb01 Prairie #5
423549104120901
WATER LEVEL, IN FEET BELOW LAND SURFACE
80
81
82
83
84
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985

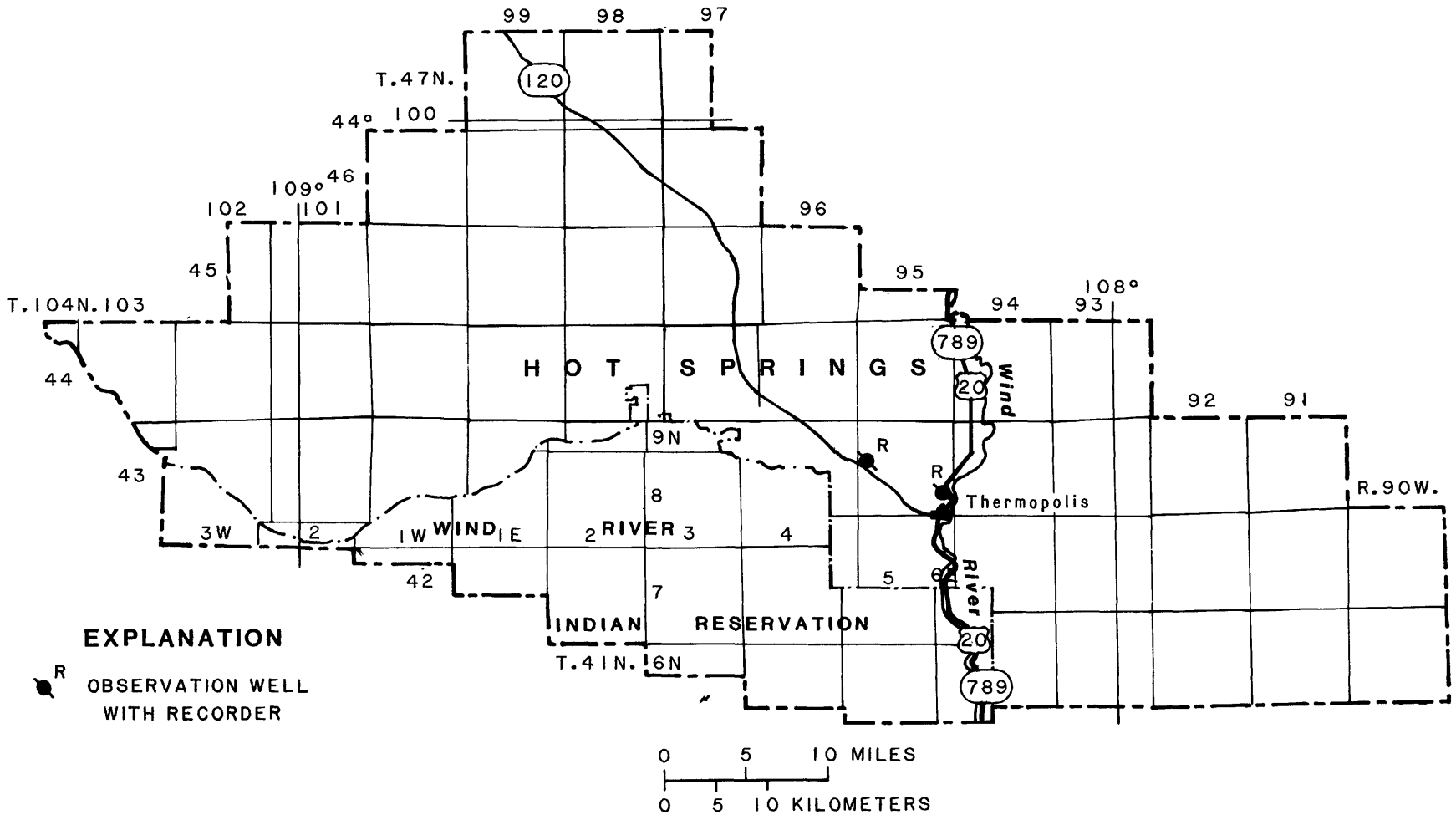
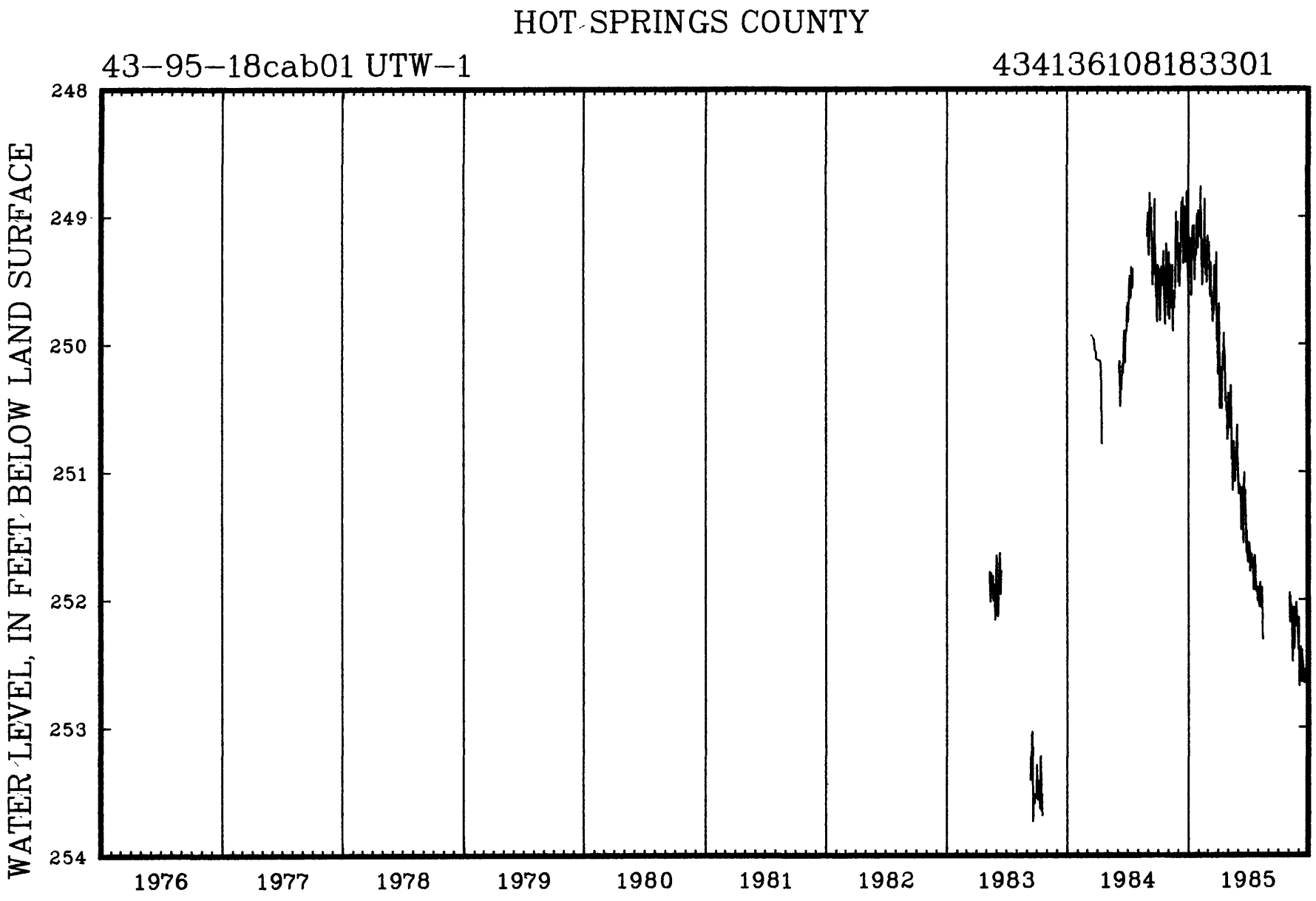
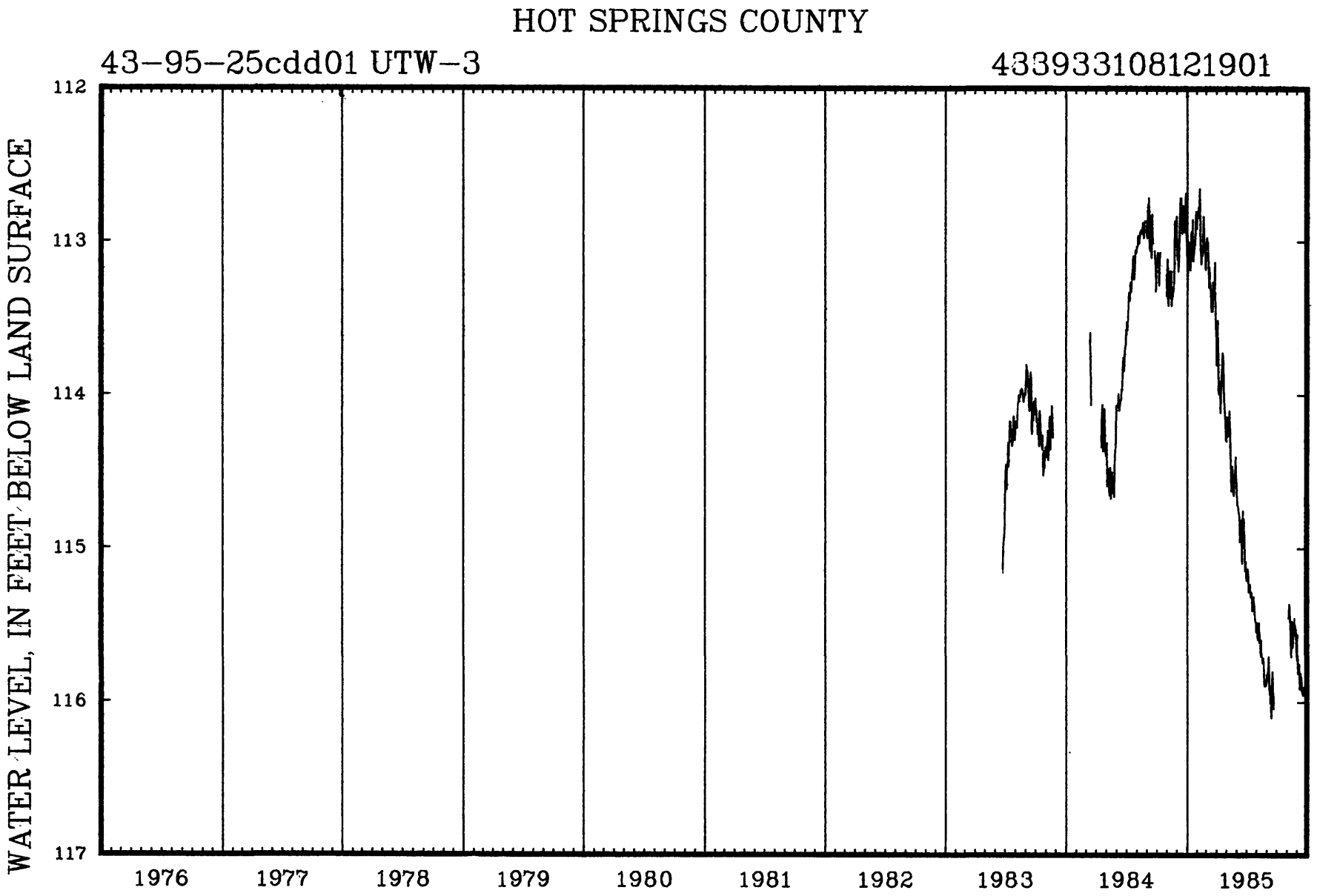


Figure 9.--Location of observation wells in Hot Springs County, Wyoming.

Records of observation wells in Hot Springs County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

Well number	Well depth (ft)	Use of water	Geologic source	Records available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
43-95-18cab01	354	U	317TSLP	1983-85	248.76	02-85	253.74	09-83
43-95-25cdd01	228	U	311PRKC	1983-85	112.65	02-85	116.11	09-85


HOT SPRINGS COUNTY
43-95-18cab01 UTW-1
434136108183301
WATER LEVEL, IN FEET BELOW LAND SURFACE
248
249
250
251
252
253
254
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985


HOT SPRINGS COUNTY
43-95-25cdd01 UTW-3
433933108121901
WATER LEVEL, IN FEET BELOW LAND SURFACE
112
113
114
115
116
117
1976
1977
1978
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1984
1985

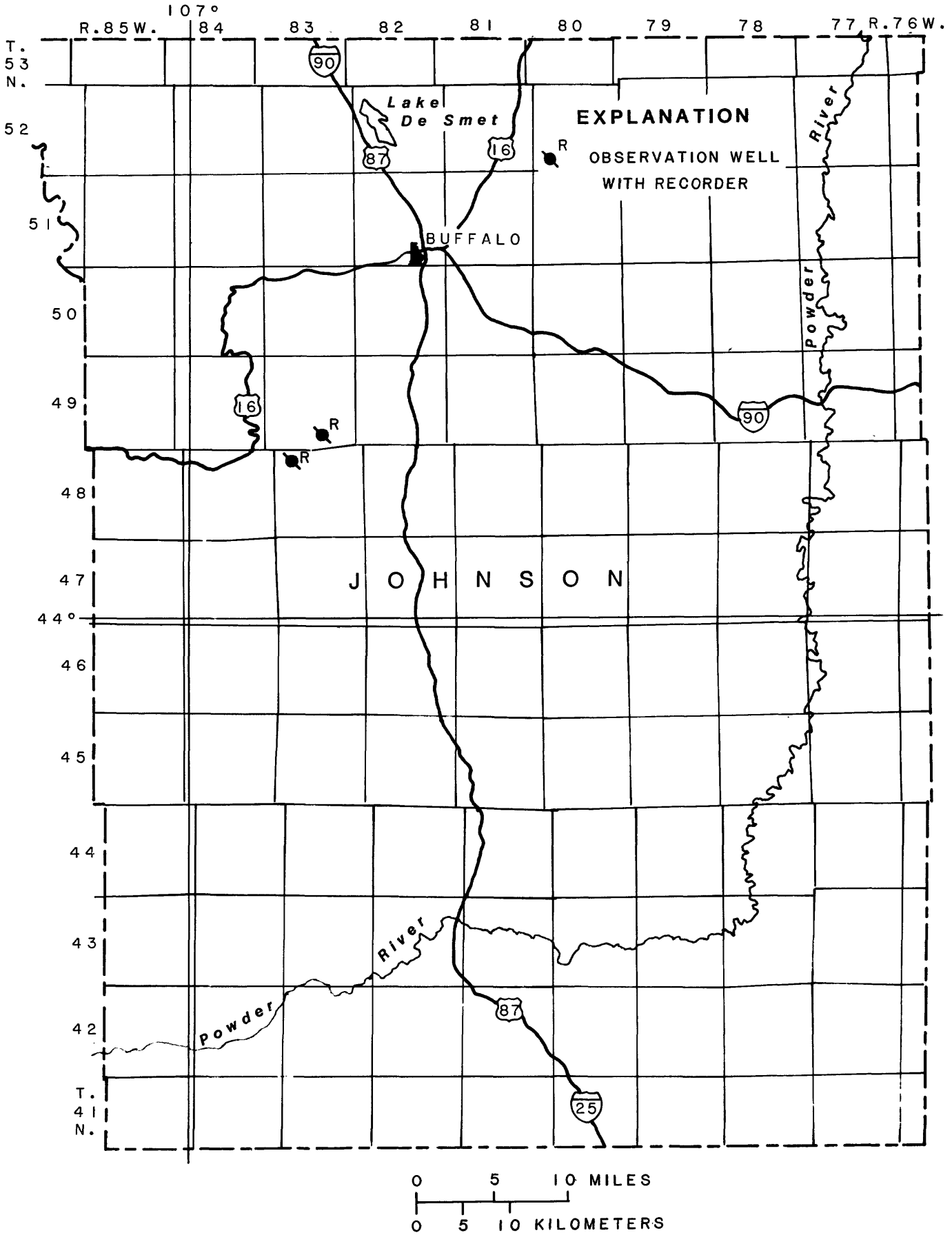


Figure 10.--Location of observation wells in Johnson County, Wyoming.

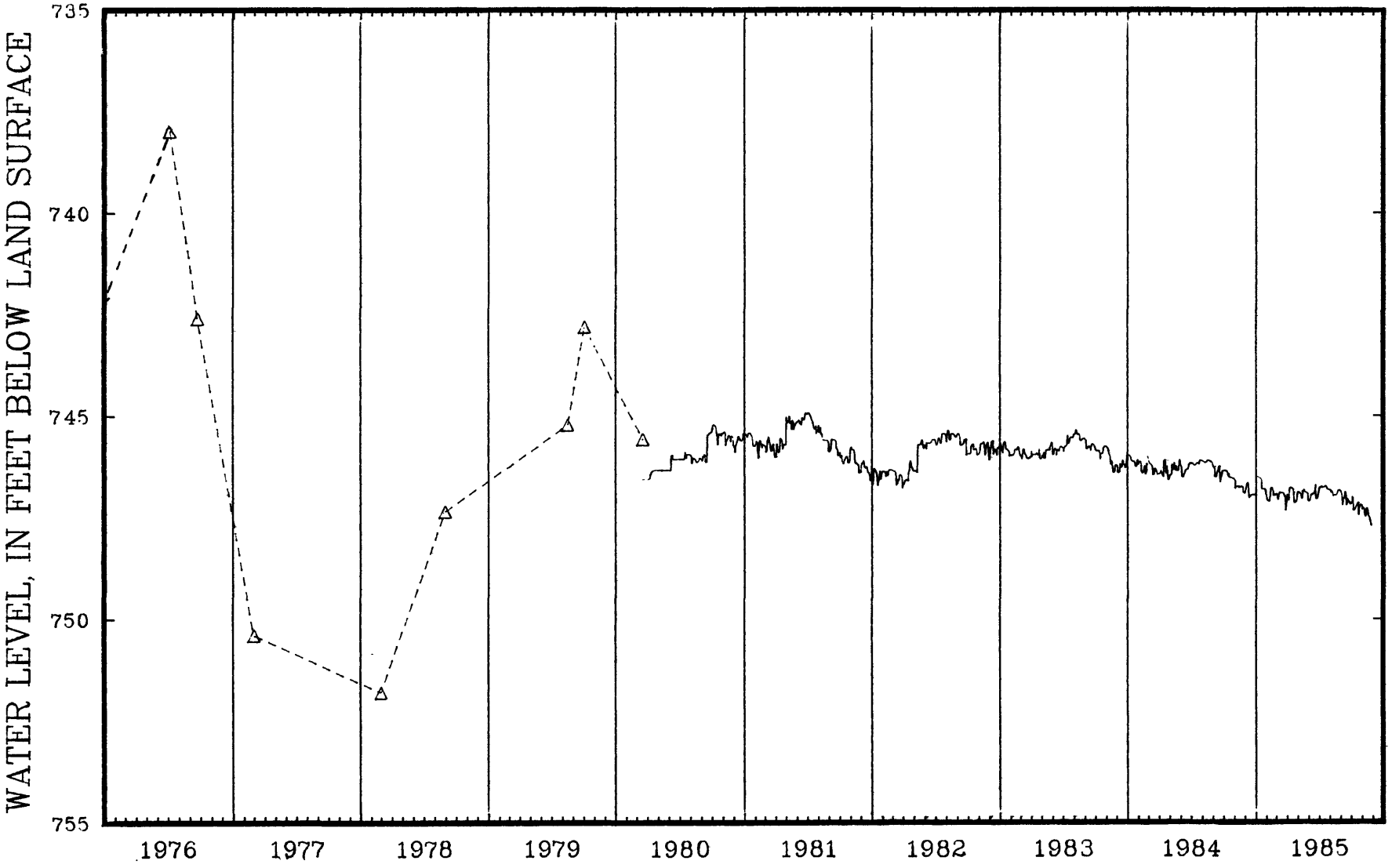
Records of observation wells in Johnson County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

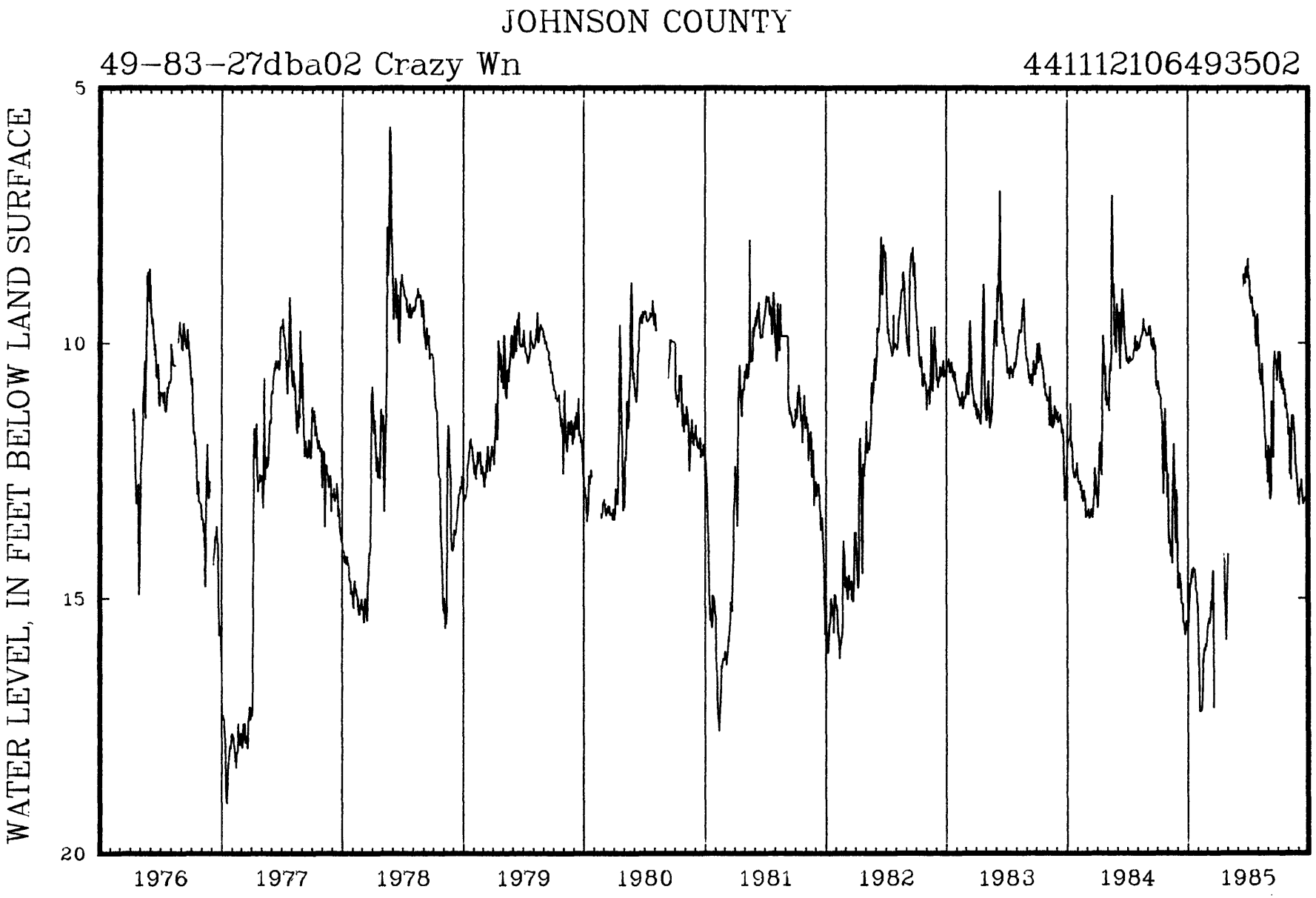
Well number	Well depth (ft)	Use of water	Geologic source	Records available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
48-83-05dcc01	1,115	U	374FLTD	1974-85	[1]738.00	07-76	[1]751.80	03-78
49-83-27dba02	1,507	U	331MDSN	1974-85	5.76	05-78	19.23	01-77

[1] From hand-measured data

JOHNSON COUNTY

48-83-05dcc01 Flathead 440912106512001




JOHNSON COUNTY
49-83-27dba02 Crazy Wn
441112106493502
WATER LEVEL, IN FEET BELOW LAND SURFACE
5
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15
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1976
1977
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1984
1985

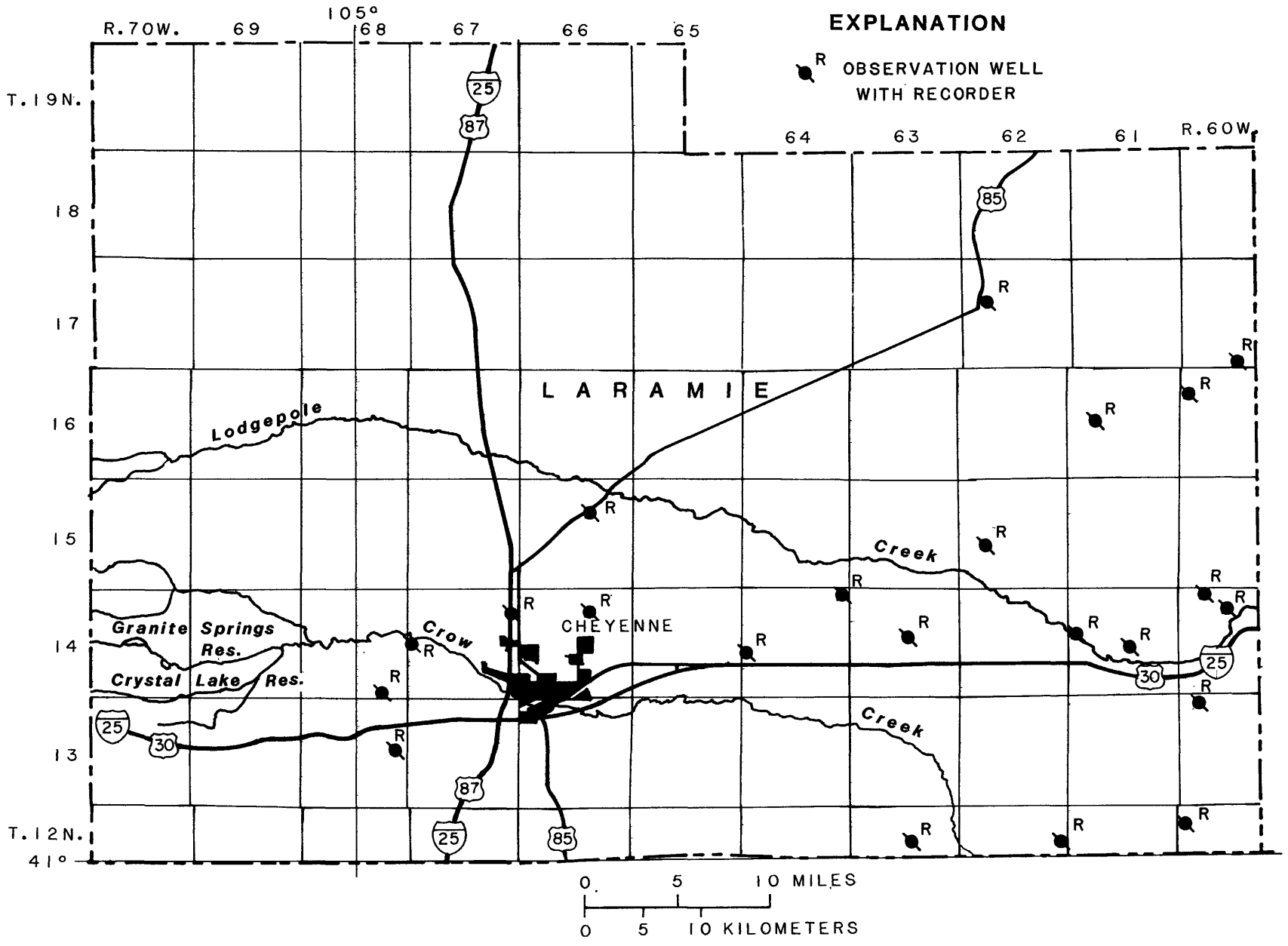


Figure 11.--Location of observation wells in Laramie County, Wyoming.

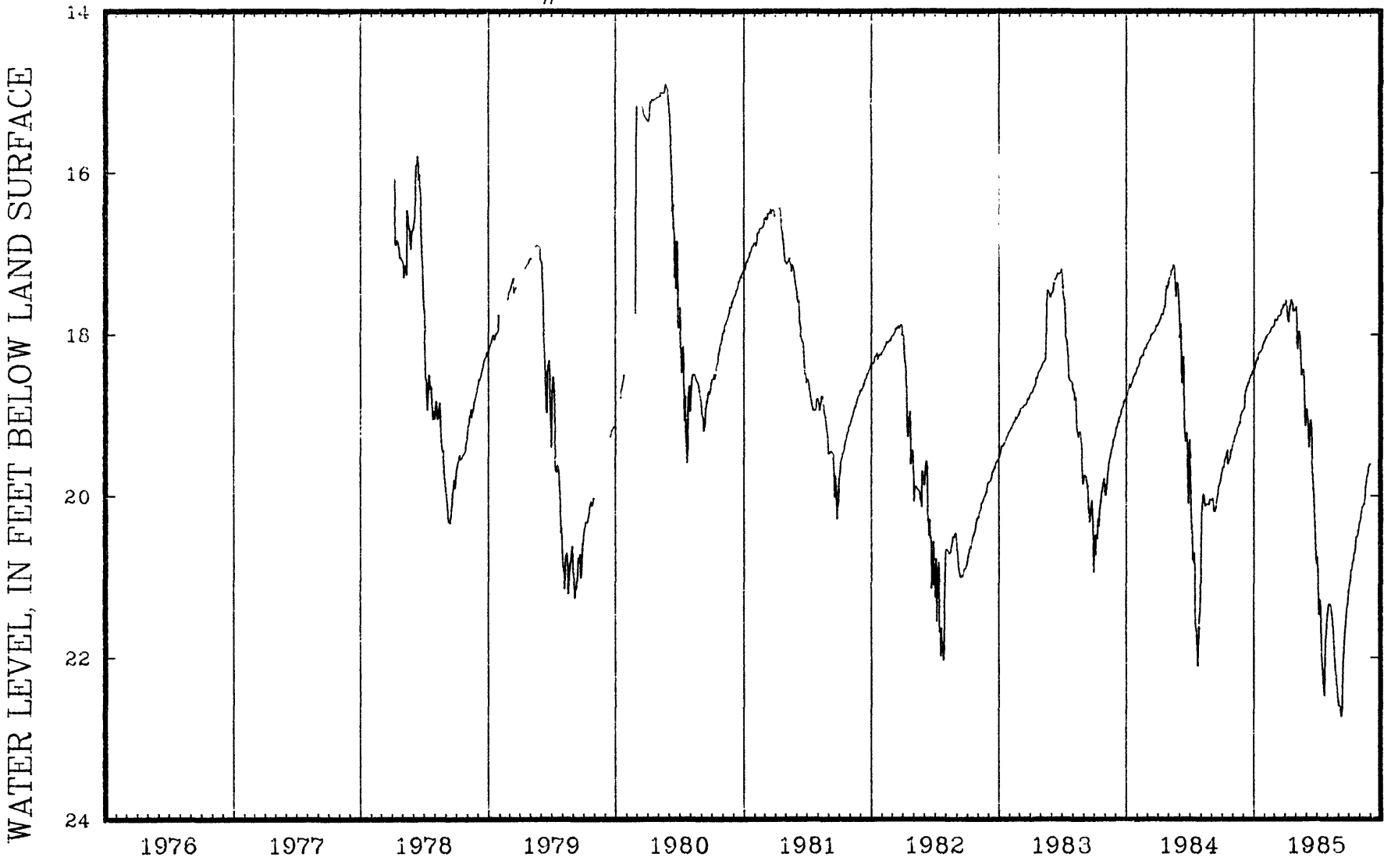
Records of observation wells in Laramie County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

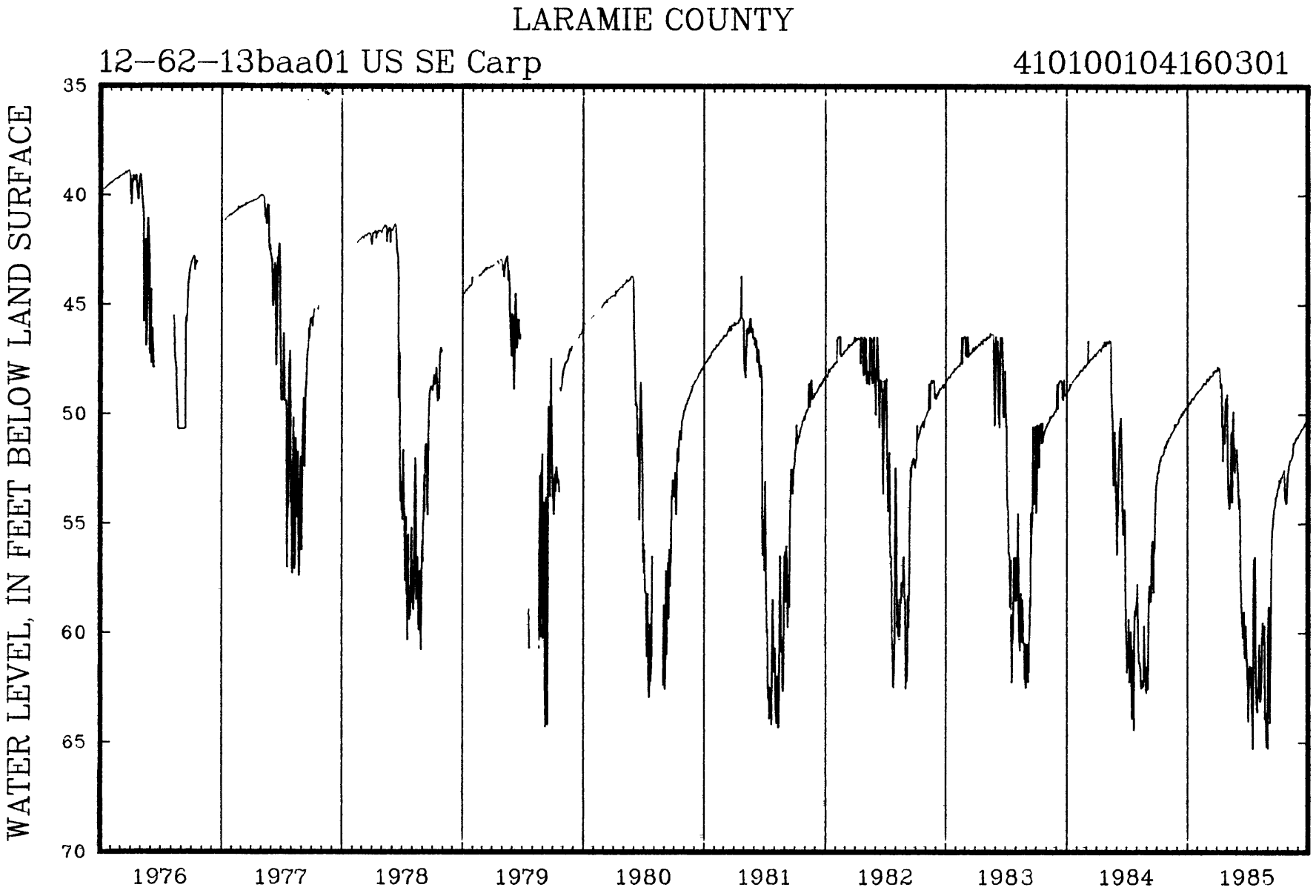
Well number	Well depth (ft)	Use of water	Geologic source	Records available (yr)	Water levels: Highest Level (ft)	Highest Month-year	Lowest Level (ft)	Lowest Month-year
12-60-07ddd01	105	U	123WRVR	1978-85	14.90	05-80	22.74	09-85
12-62-13baa01	198	U	111TRRC	1975-85	38.53	05-75	65.28	07-85
12-63-15aaa02	110	U	123BRUL	1971-85	14.11	04-74	46.28	09-78
13-60-05ccb01	100	U	123BRUL	1969-85	34.18	05-84	63.52	10-79
13-68-13ccc01	---	U	121OGLL	1942-50, 1969-85	[1]36.78	03-45	88.28	08-83
14-60-05bcb01	98	U	123BRUL	1957-85	28.96	04-85	56.62	07-77
10dbb01	80	U	123BRUL	1973-85	15.56	06-84	31.16	08-79
14-61-18ddd01	90	-	123WRVR	1977-85	9.08	06-84	22.79	10-79
22dcc01	---	U	123BRUL	1975-85	16.10	06-83	28.60	10-79
14-63-15aaa01	165	U	122ARKR	1977-85	45.48	06-80	48.08	12-85
14-64-01dcb01	200	-	121OGLL	1977-85	[1]102.12	05-77	[1]111.22	11-85
19bcc01	180	-	121OGLL	1977-85	157.76	04-85	158.99	10-81
14-66-10aba01	190	-	121OGLL	1977-85	125.82	02-79	130.20	07-85
14-67-12abb01	220	U	121OGLL	1985	96.90	05-85	108.94	07-85
14-67-18ddc01	229	U	121OGLL	1956-85	12.48	09-57	48.07	08-78
14-68-35ddc02	230	U	121OGLL	1969-85	98.82	04-70	113.26	09-81
15-62-20aaa01	165	-	121OGLL	1977-85	[1]94.56	06-77	99.66	11-85
15-66-10bab01	210	-	121OGLL	1977-85	58.73	04-85	86.70	09-78
16-60-07bbb02	215	U	121OGLL	1983-85	147.74	04-85	149.55	09-83
16-61-17aaa01	285	-	121OGLL	1977-85	196.72	04-85	[1]201.32	12-77
17-60-33cbb01	275	U	123BRUL	1975-85	177.52	05-75	213.67	11-85
17-62-17ccc01	360	U	121OGLL	1982-85	226.07	06-85	227.03	12-85

[1] From hand-measured data

LARAMIE COUNTY

12-60-07ddd01 Laramie #1 410059104072401




LARAMIE COUNTY
12-62-13baa01 US SE Carp
410100104160301
WATER LEVEL, IN FEET BELOW LAND SURFACE
35
40
45
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55
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1976
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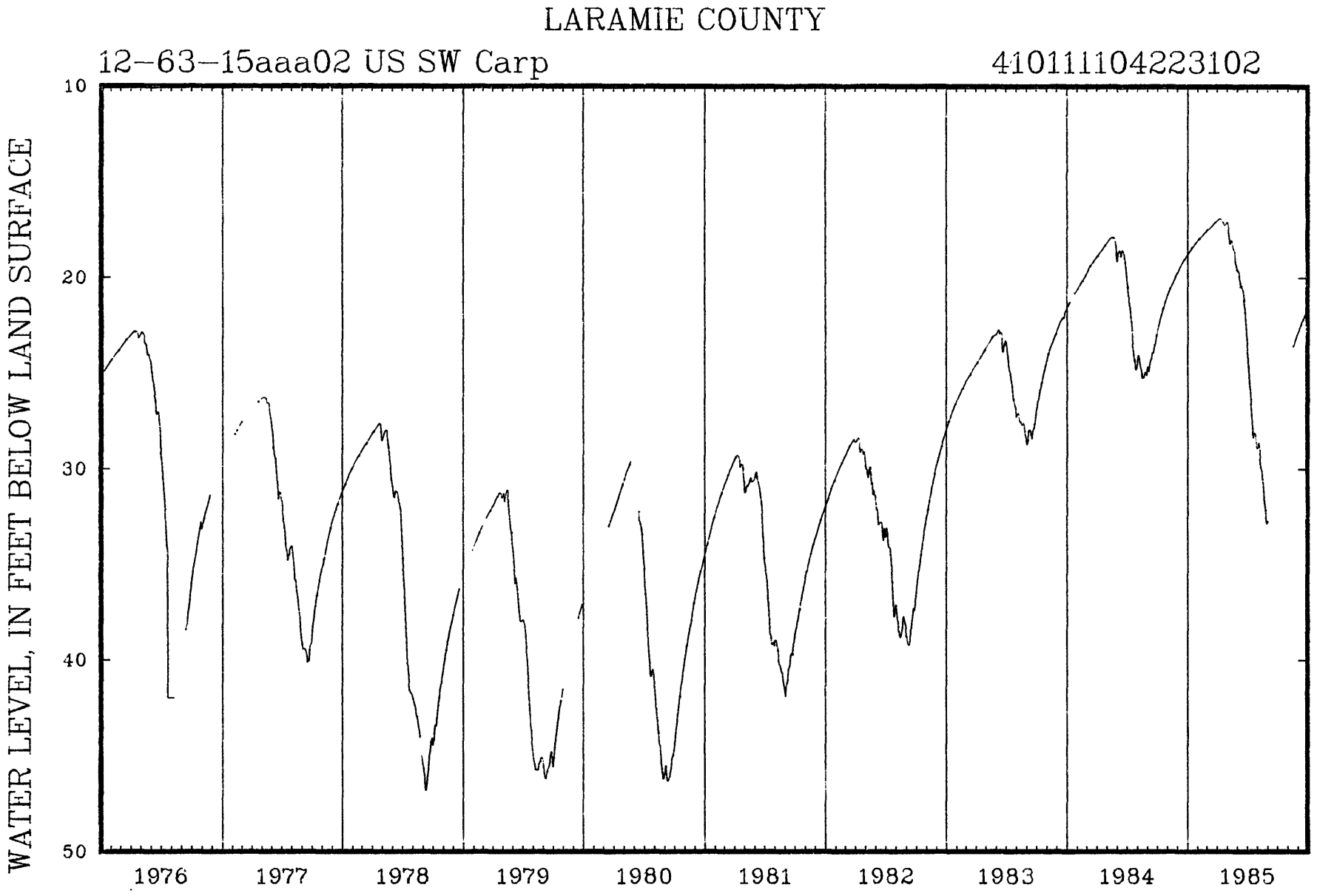
LARAMIE COUNTY
12-63-15aaa02 US SW Carp
410111104223102
WATER LEVEL, IN FEET BELOW LAND SURFACE
10
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1976
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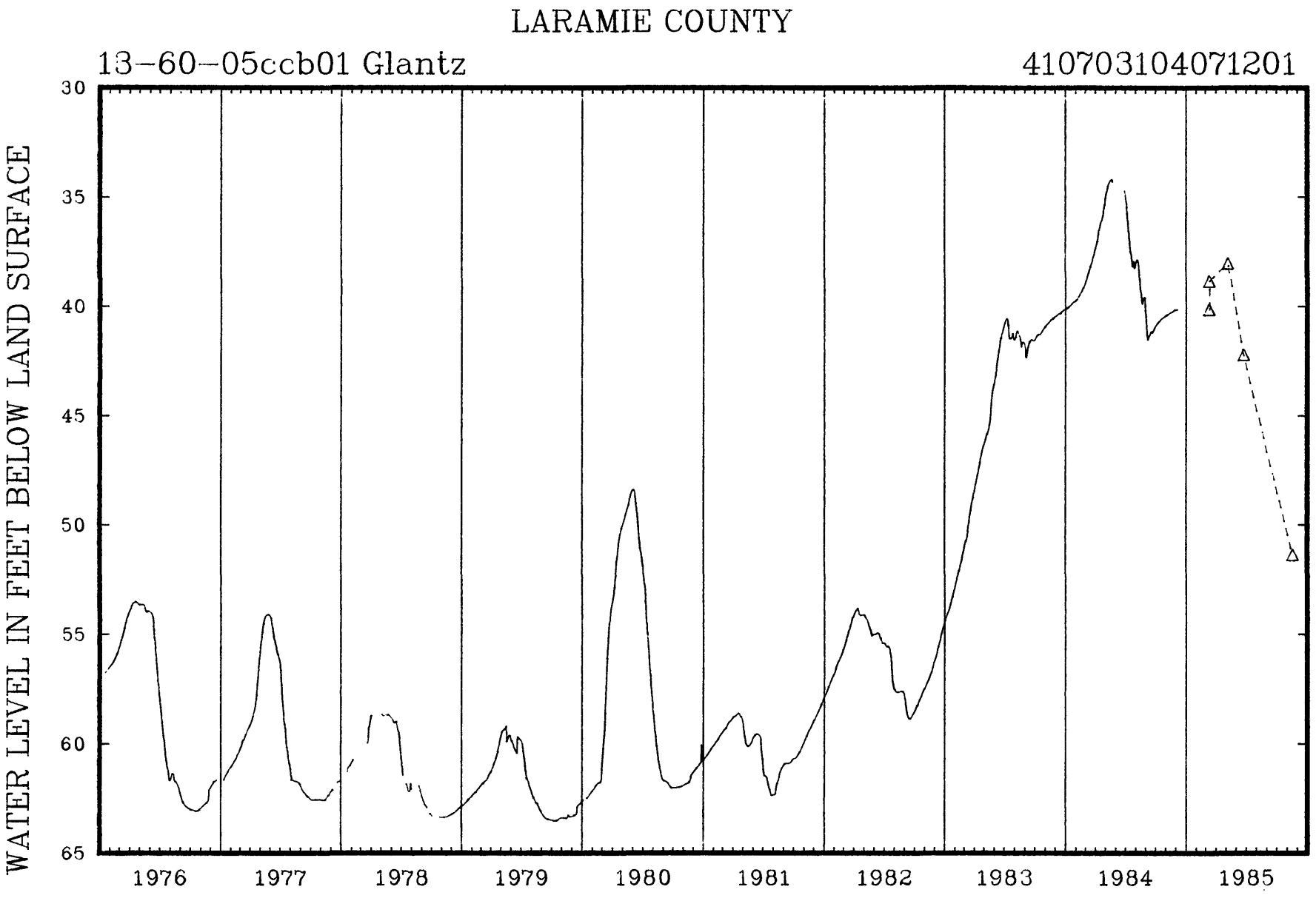
1985


LARAMIE COUNTY
13-60-05ccb01 Glantz
410703104071201
WATER LEVEL IN FEET BELOW LAND SURFACE
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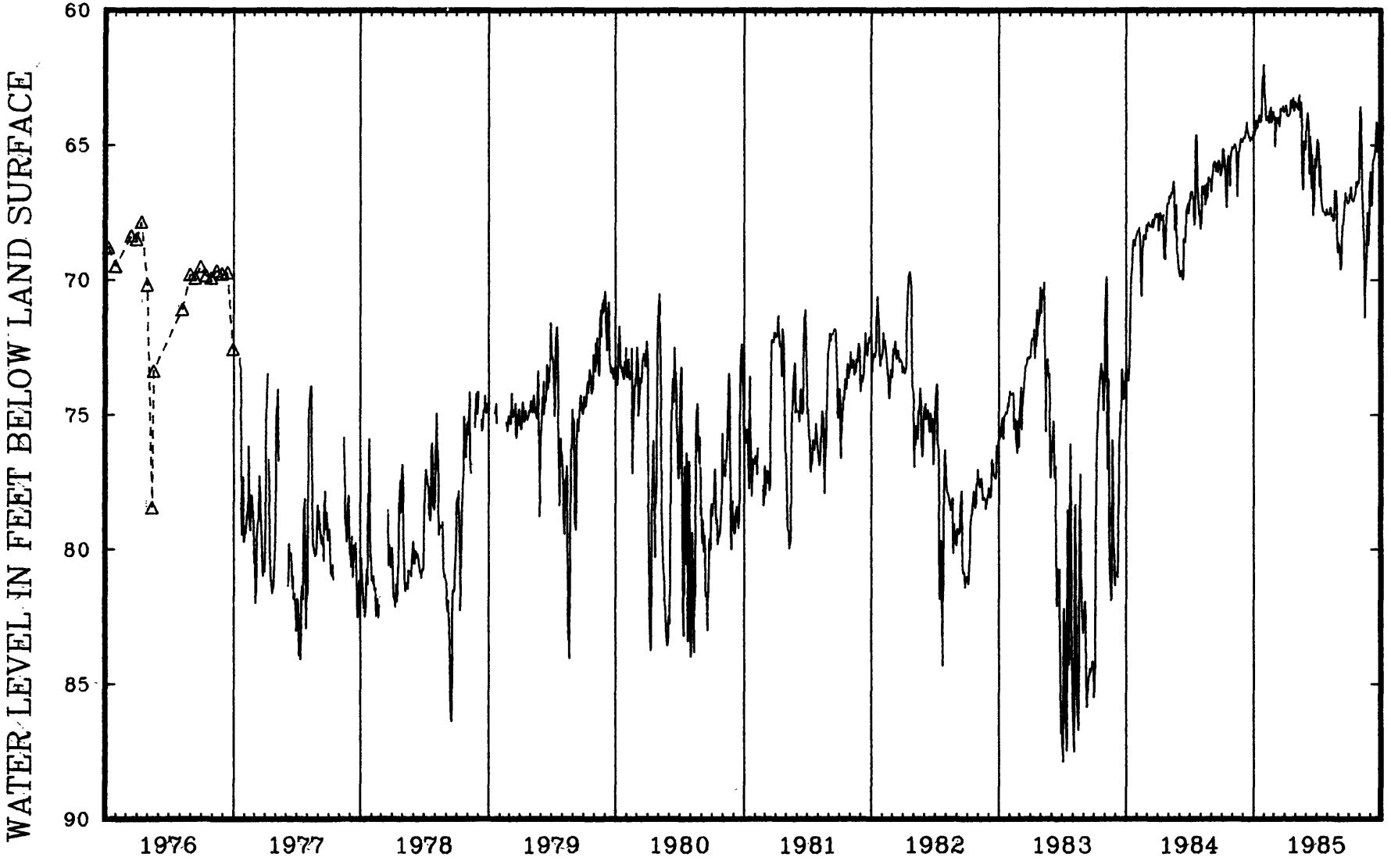
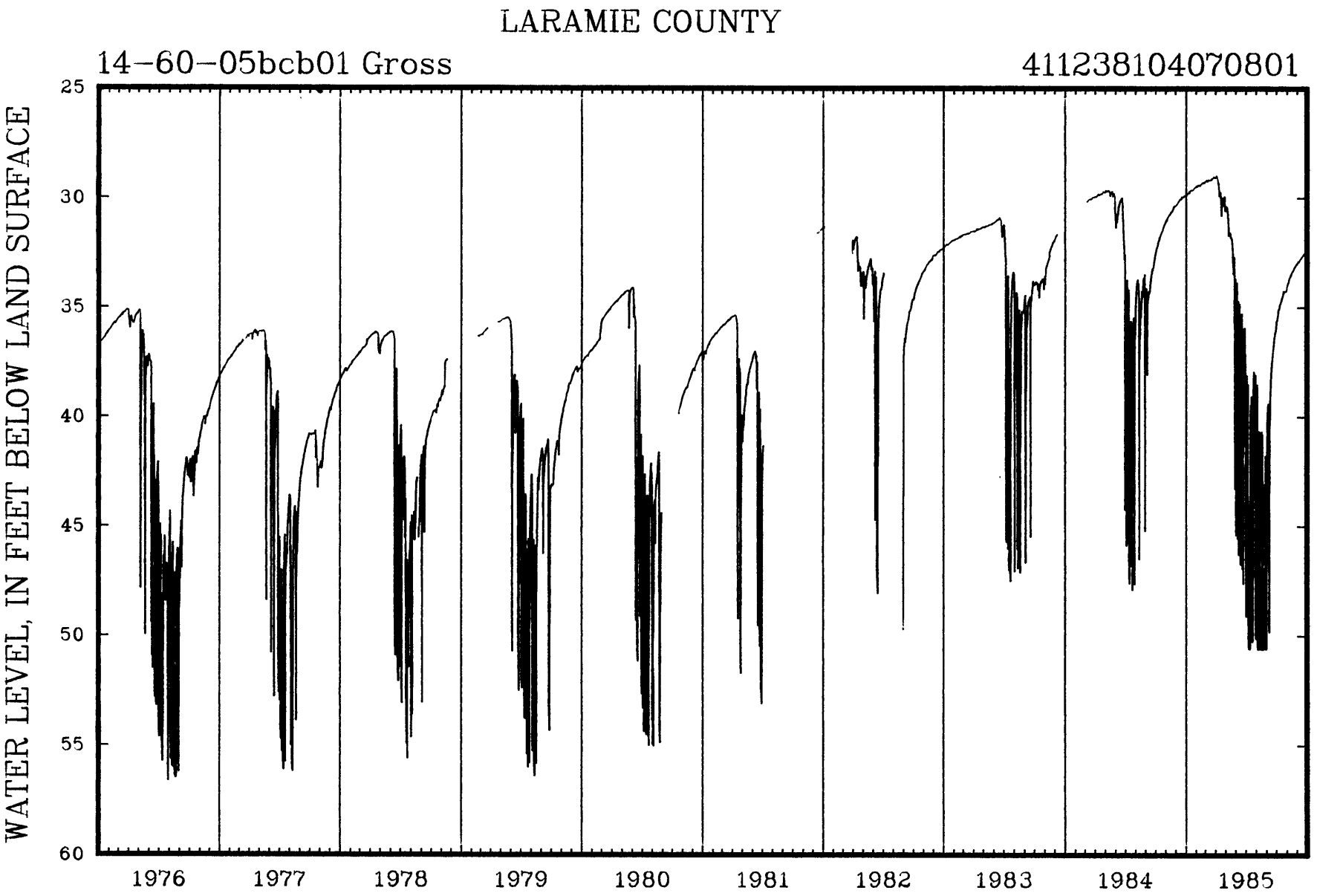
1984
1985

LARAMIE COUNTY

13-68-13ccc01 Borie 410530104574001




LARAMIE COUNTY
14-60-05bcb01 Gross
411238104070801
WATER LEVEL, IN FEET BELOW LAND SURFACE
25
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1976
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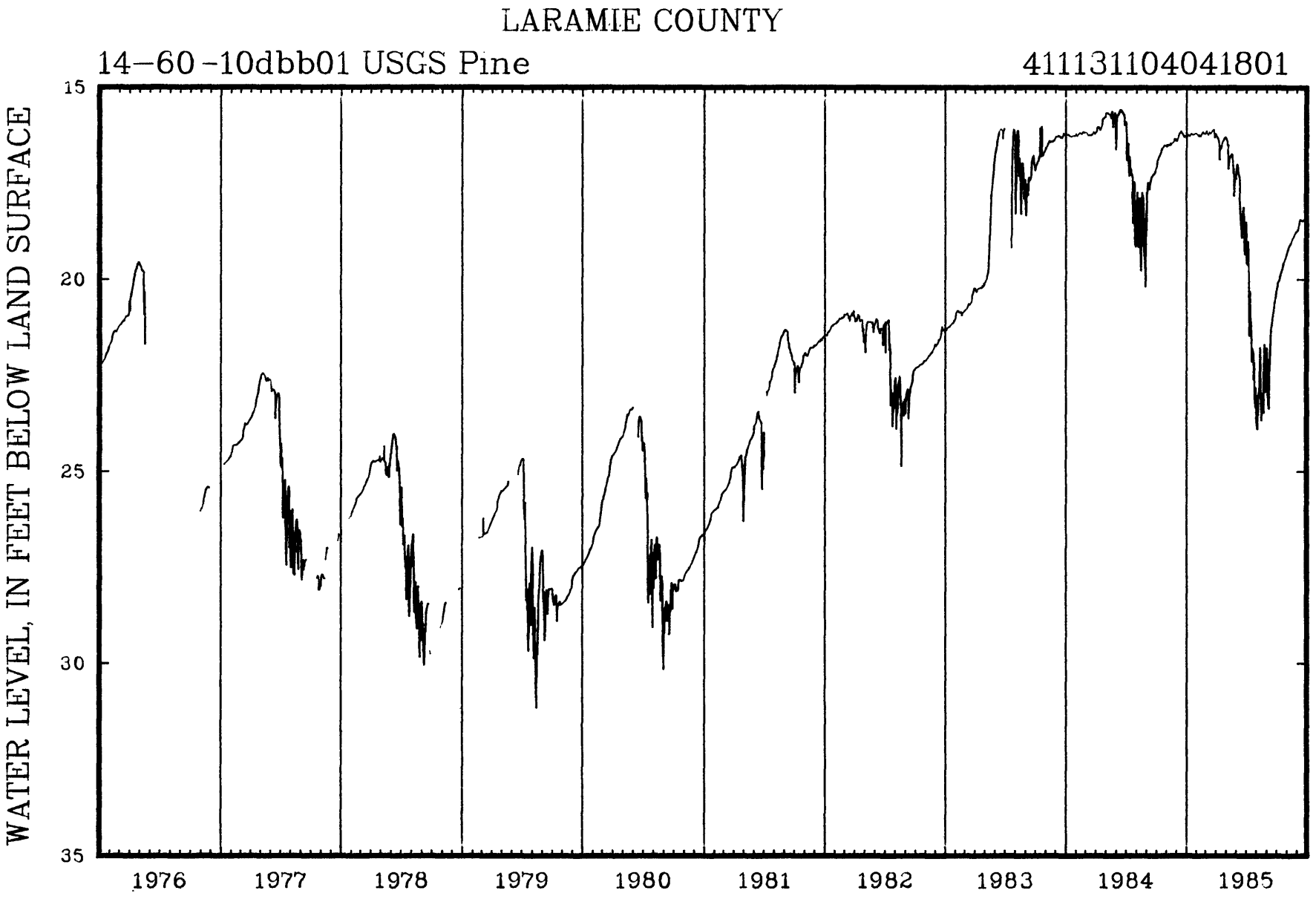
1981
1982
1983
1984
1985


LARAMIE COUNTY
14-60-10dbb01 USGS Pine
411131104041801
WATER LEVEL, IN FEET BELOW LAND SURFACE
15
20
25
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1976
1977
1978
1979
1980
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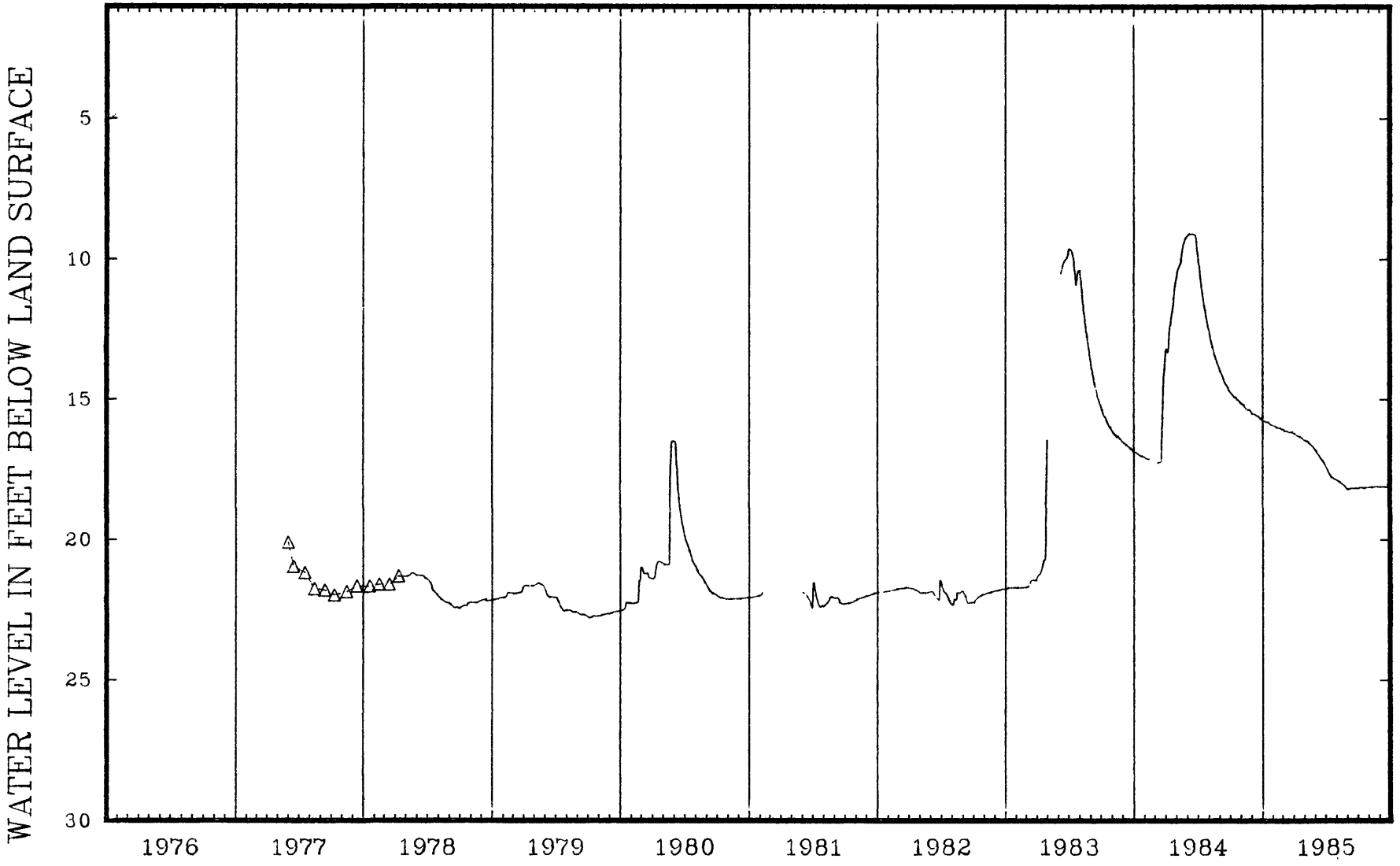
1982
1983
1984
1985

LARAMIE COUNTY

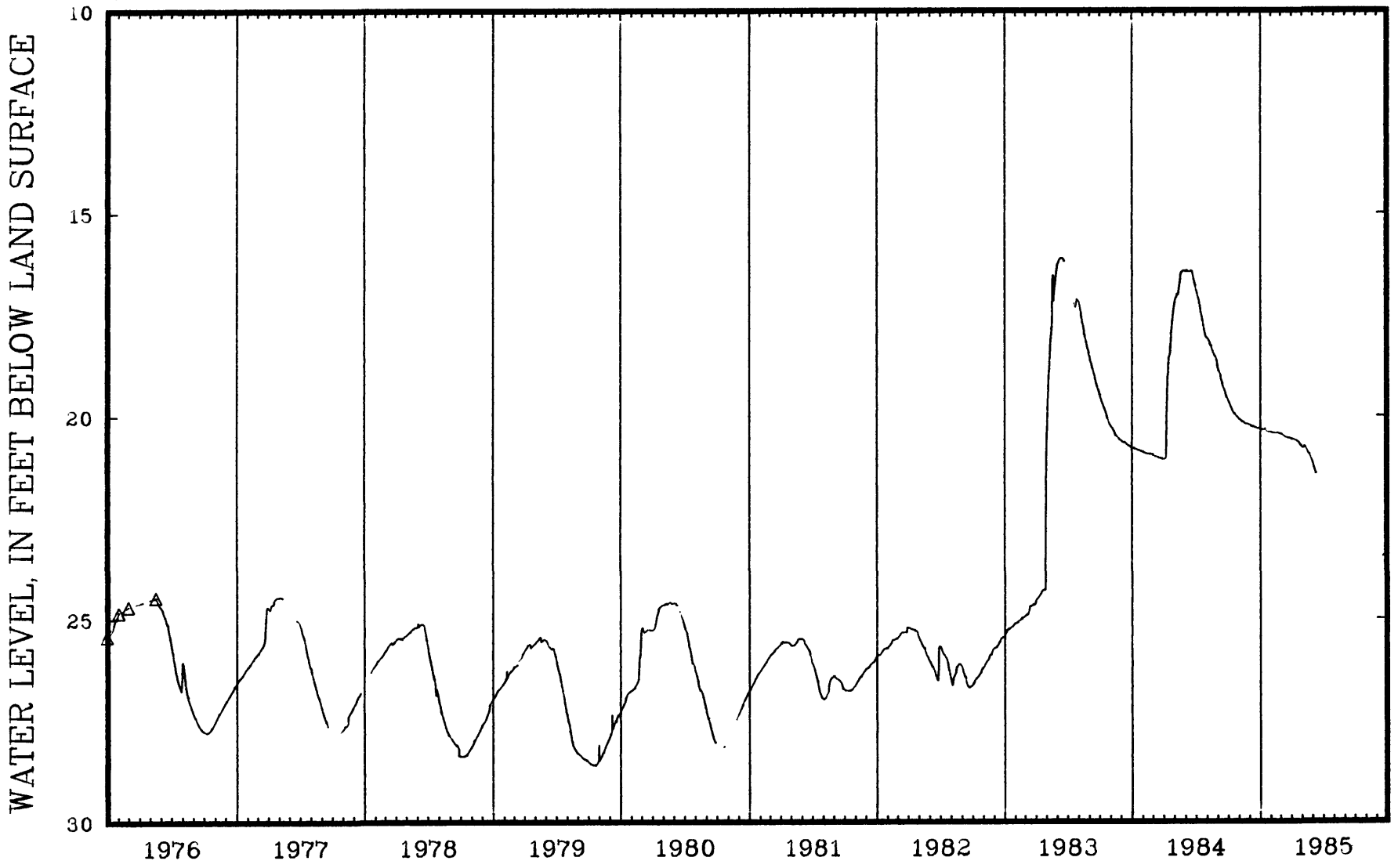
14-61-18ddd01 Laramie #2 411022104141201

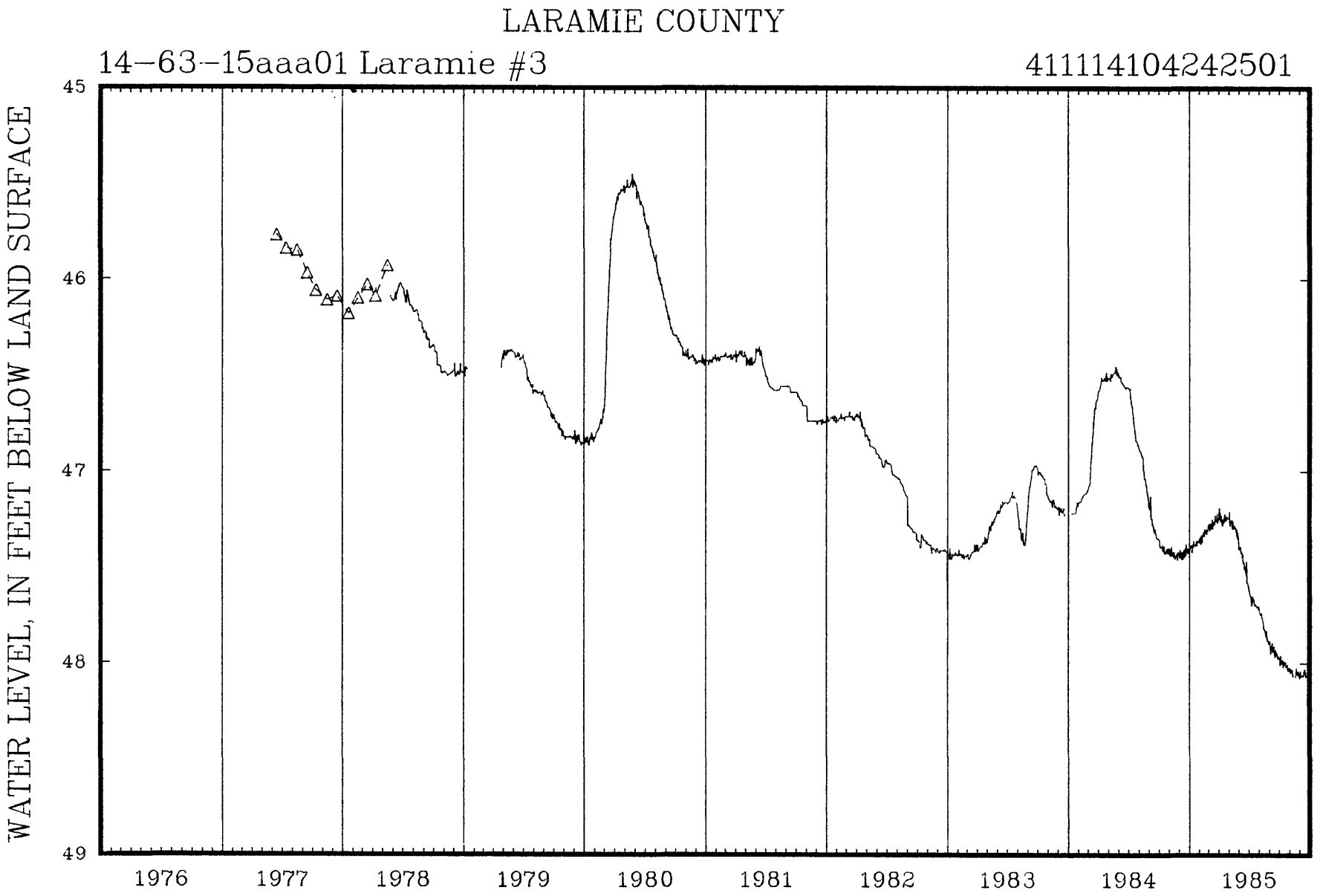


LARAMIE COUNTY

14-61-22dcc01 Brown

410900104110701




LARAMIE COUNTY
14-63-15aaa01 Laramie #3
411114104242501
WATER LEVEL, IN FEET BELOW LAND SURFACE
45
46
47
48
49
1976
1977
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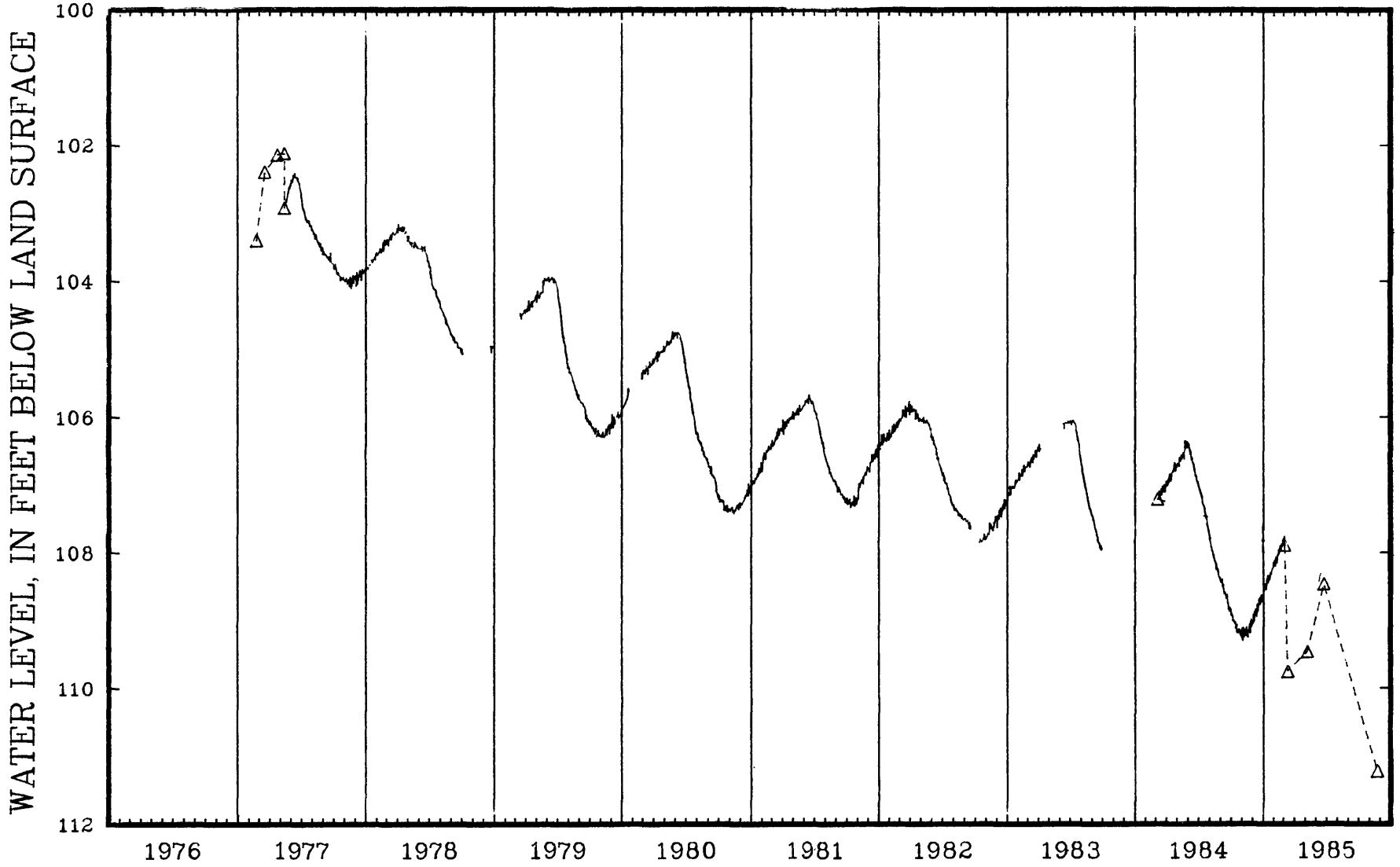
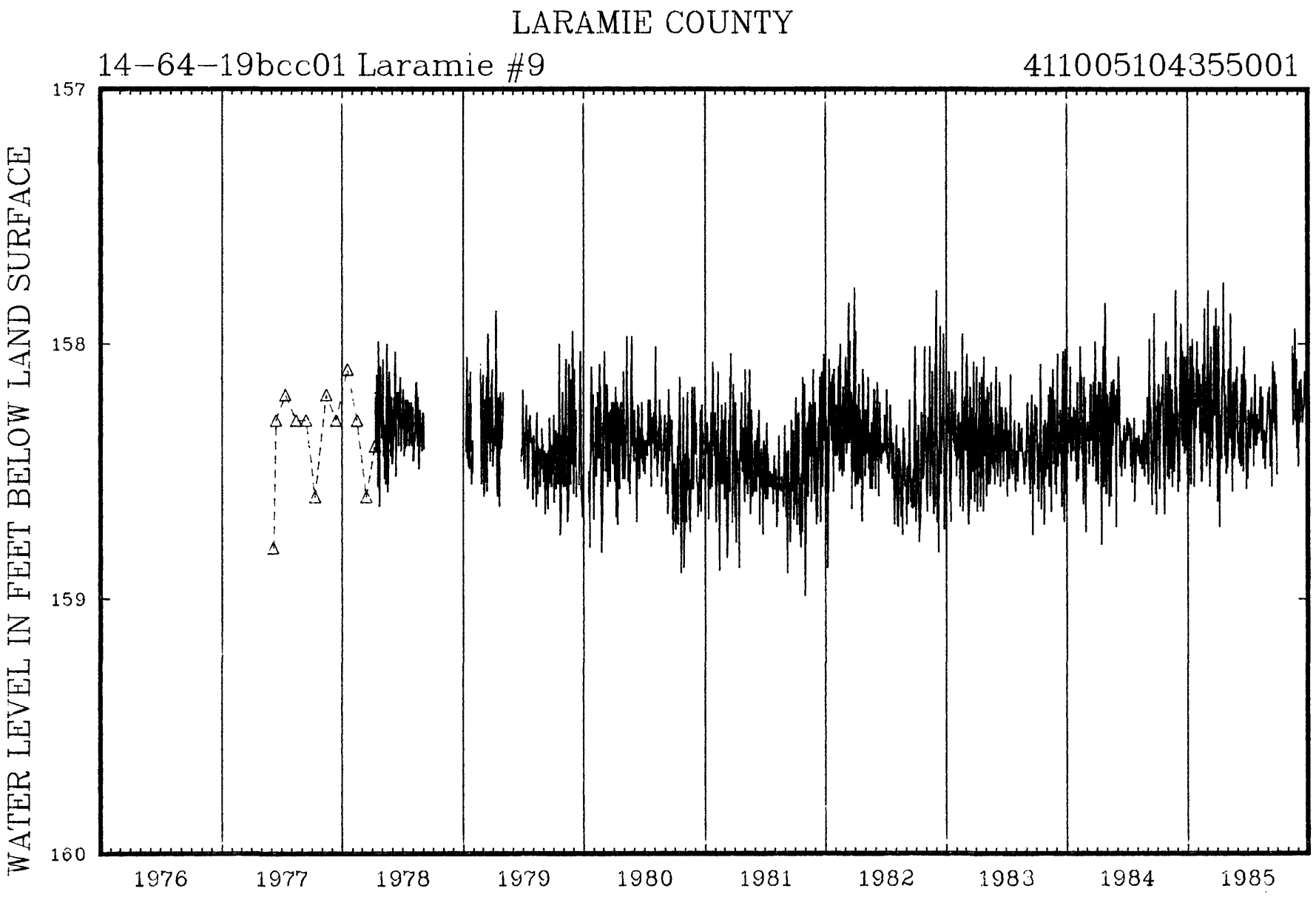
1983
1984
1985

LARAMIE COUNTY

14-64-01dcb01 Hollenbeck 411214104293301




LARAMIE COUNTY
14-64-19bcc01 Laramie #9
411005104355001
WATER LEVEL IN FEET BELOW LAND SURFACE
157
158
159
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1976
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1978
1979
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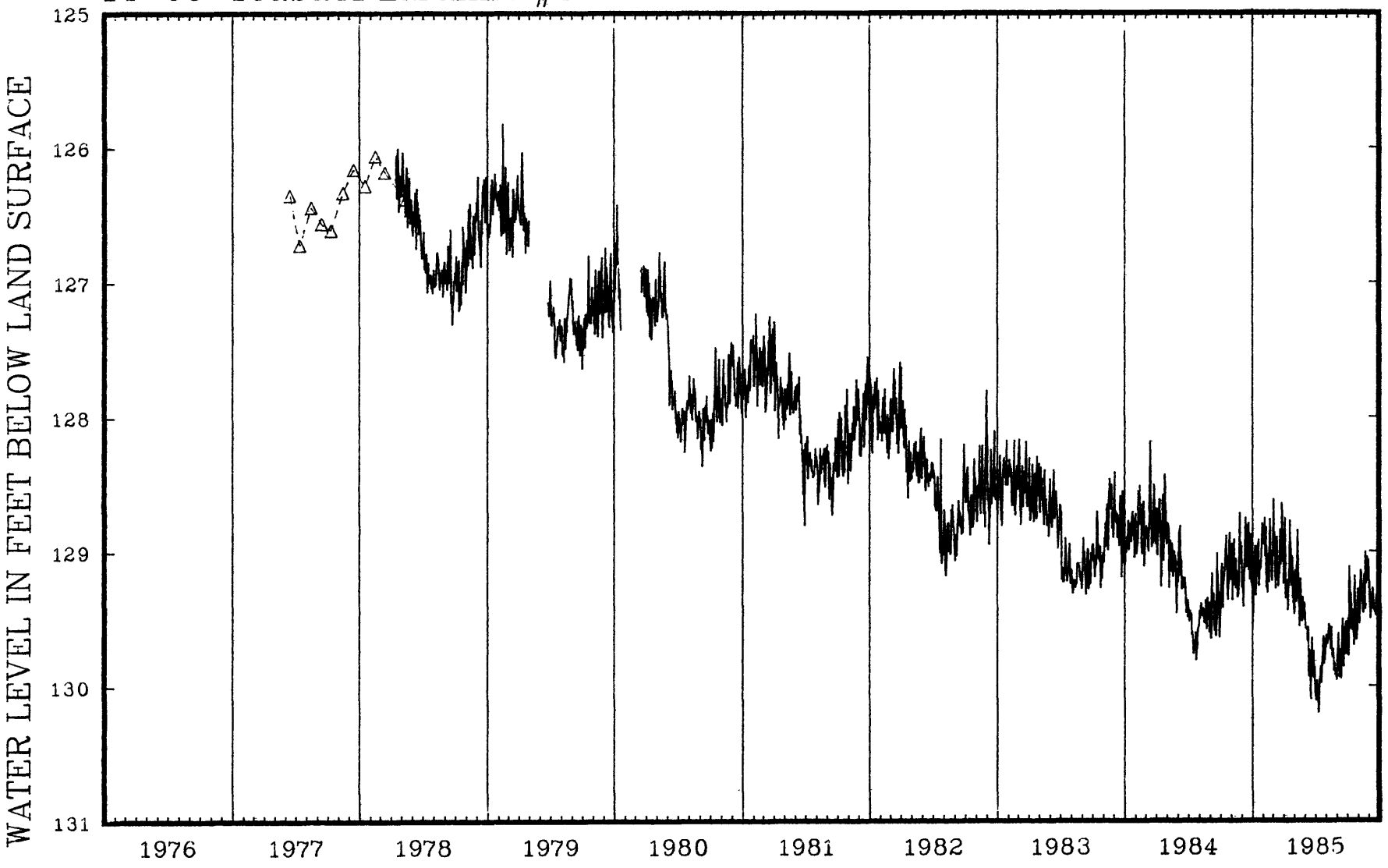
1984
1985

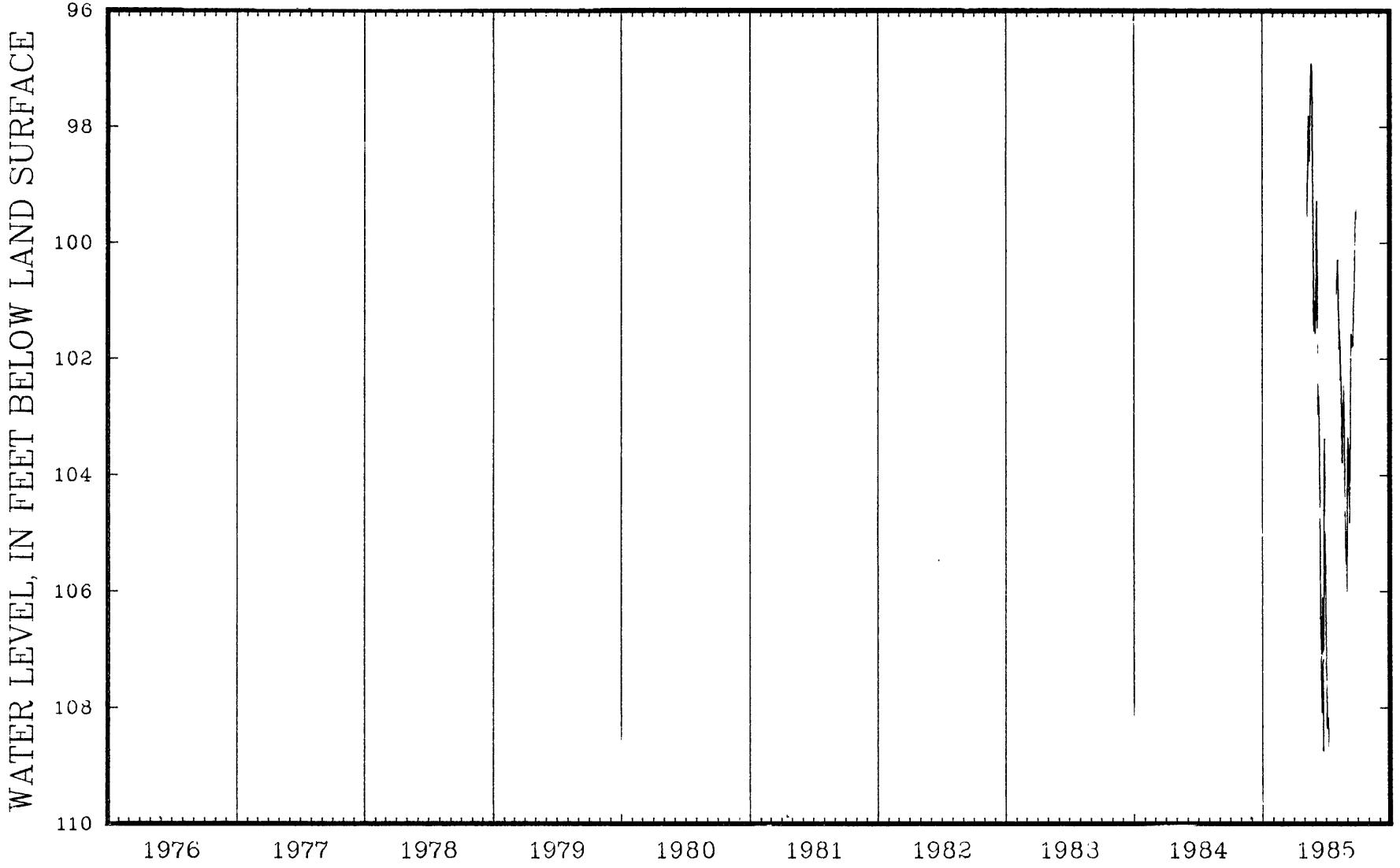
LARAMIE COUNTY

14-66-10aba01 Laramie #8 411210104452001



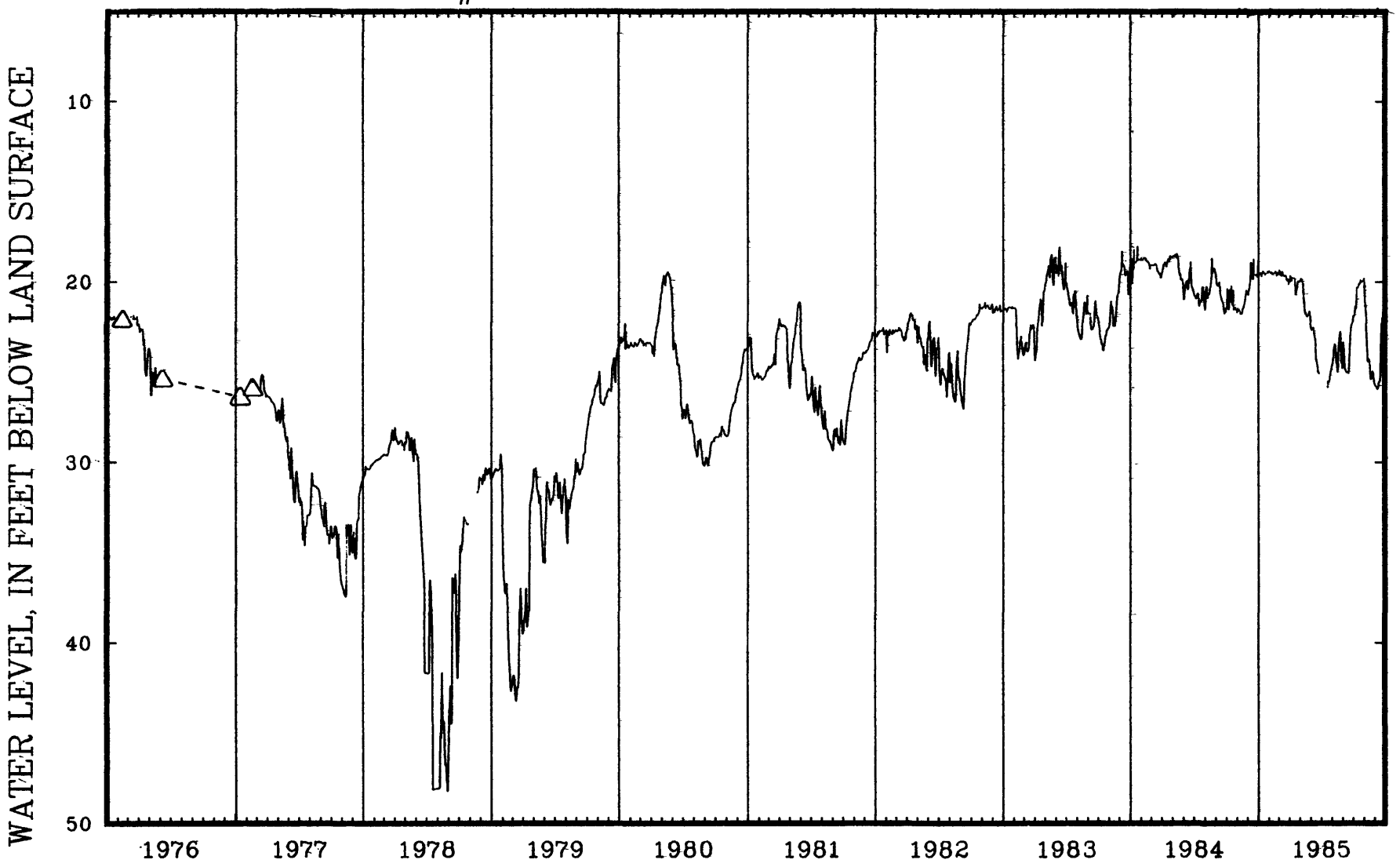
LARAMIE COUNTY

14-67-12abb01 Laramie 10 411213104501401



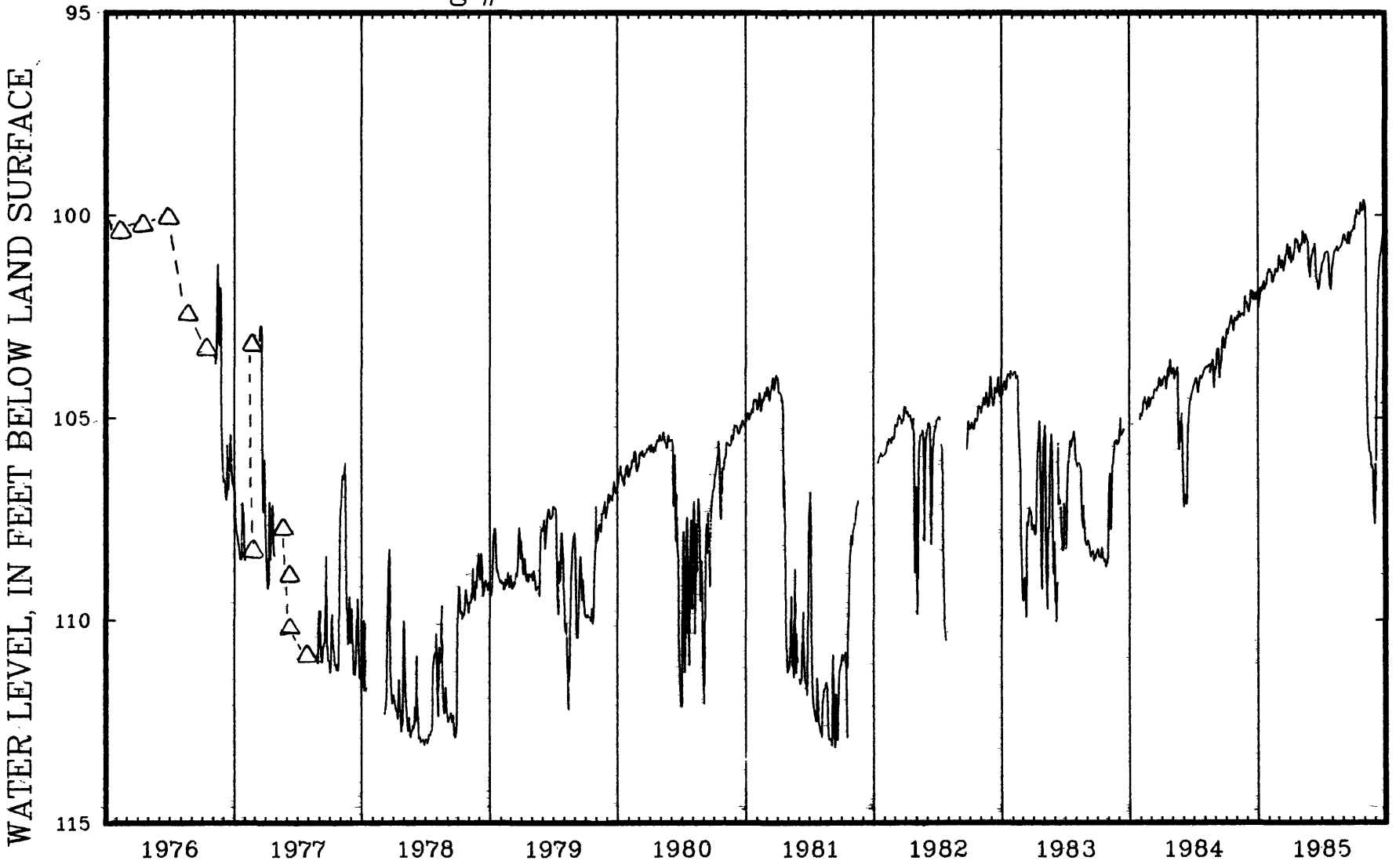
LARAMIE COUNTY

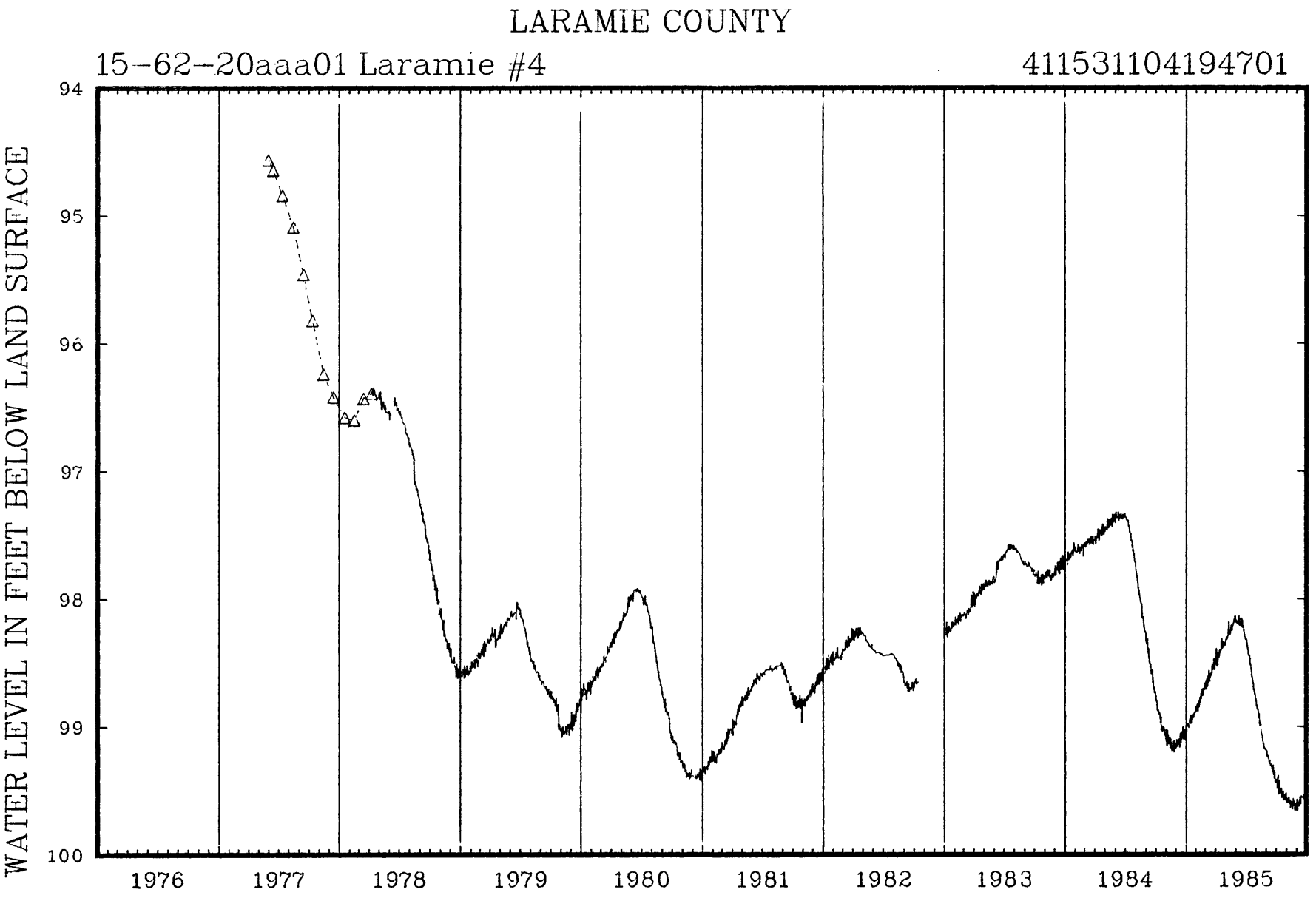
14-67-18ddc01 Bell #14 411034104554001



LARAMIE COUNTY

14-68-35ddc02 King #3 410757104582302




LARAMIE COUNTY
15-62-20aaa01 Laramie #4
411531104194701
WATER LEVEL IN FEET BELOW LAND SURFACE
94
95
96
97
98
99
100
1976
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1978
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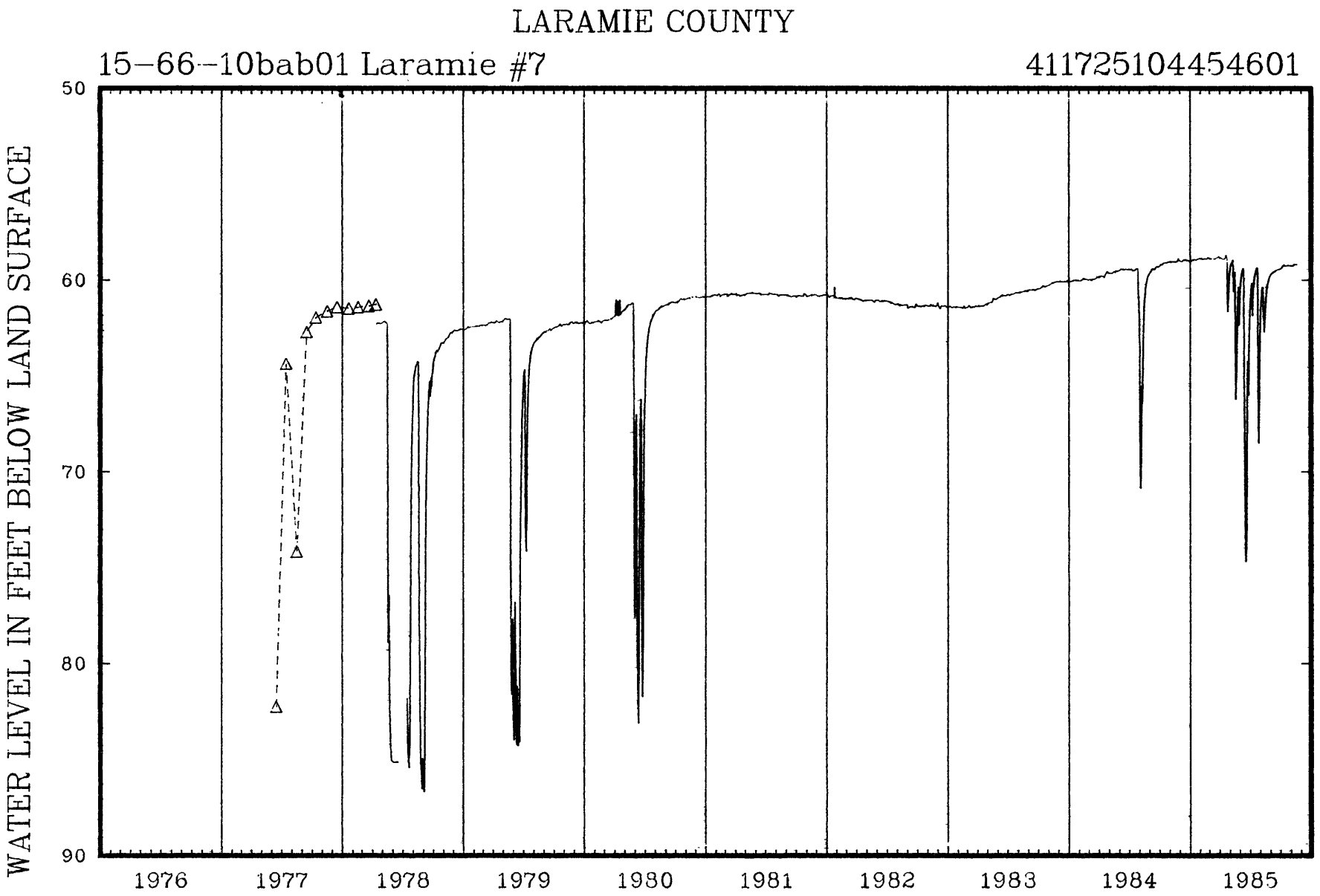
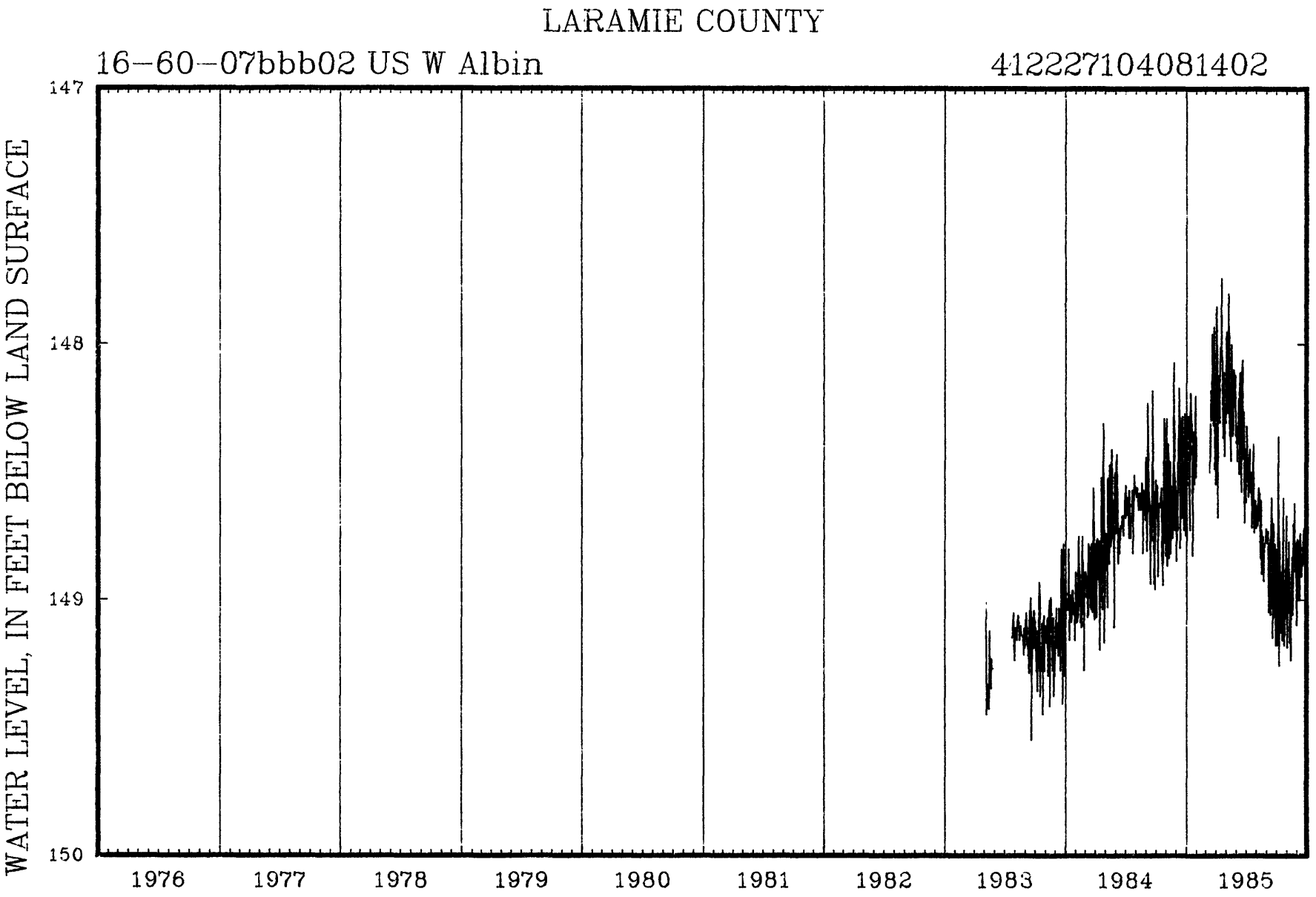
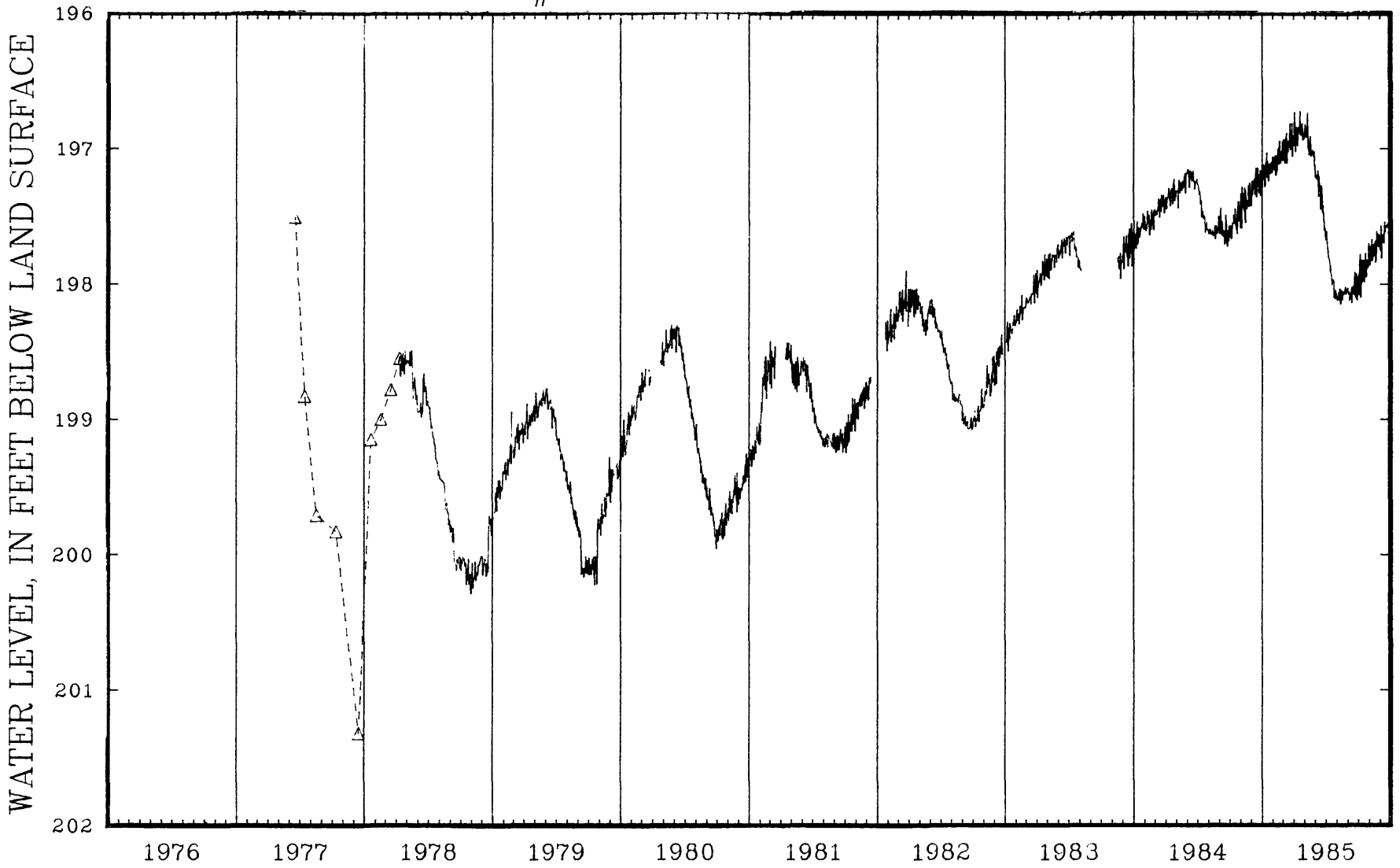
1983
1984
1985


LARAMIE COUNTY
15-66-10bab01 Laramie #7
411725104454601
WATER LEVEL IN FEET BELOW LAND SURFACE
50
60
70
80
90
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985


LARAMIE COUNTY
16-60-07bbb02 US W Albin
412227104081402
WATER LEVEL, IN FEET BELOW LAND SURFACE
147
148
149
150
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985

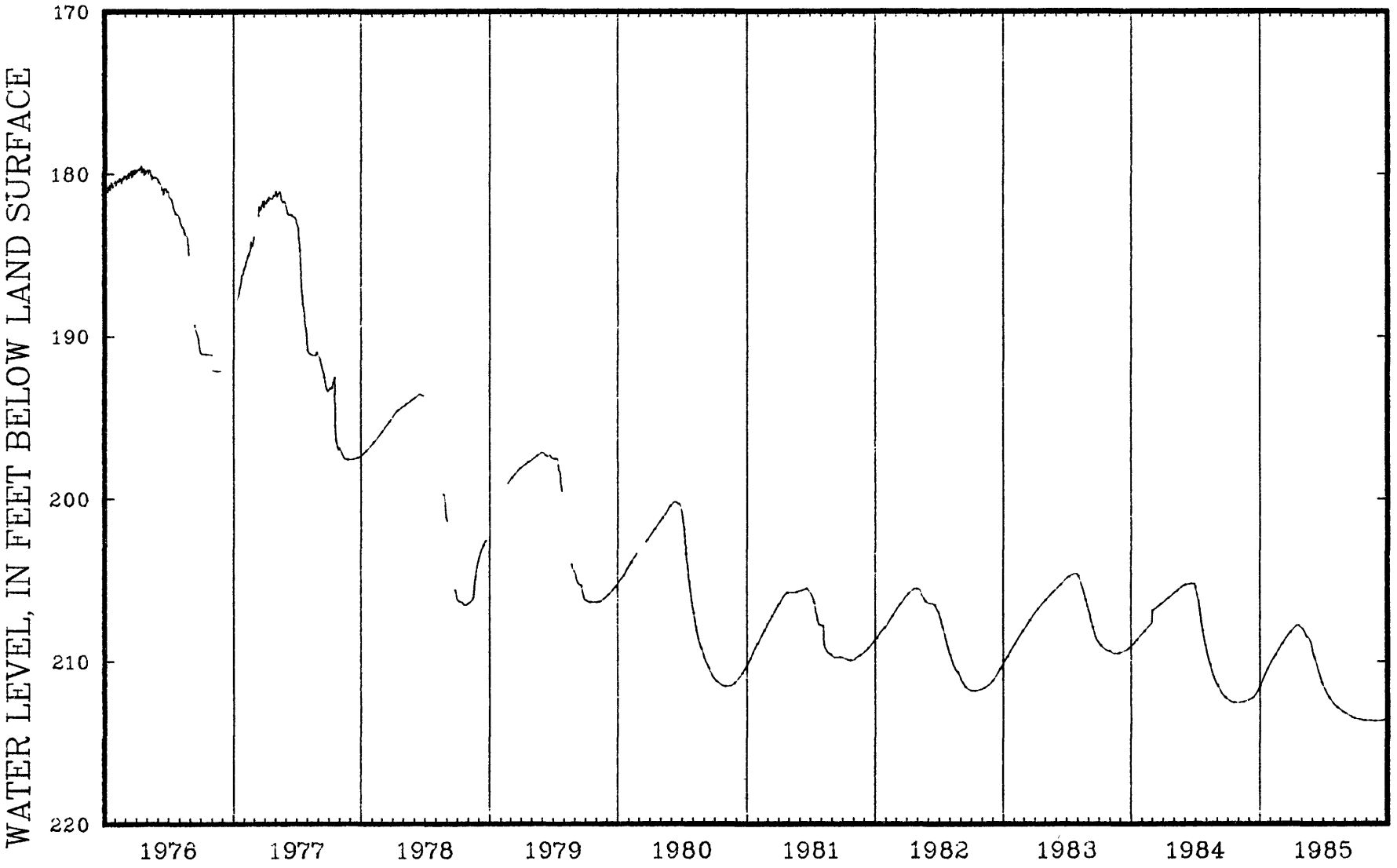
LARAMIE COUNTY

16-61-17aaa01 Laramie #5 411136104125301



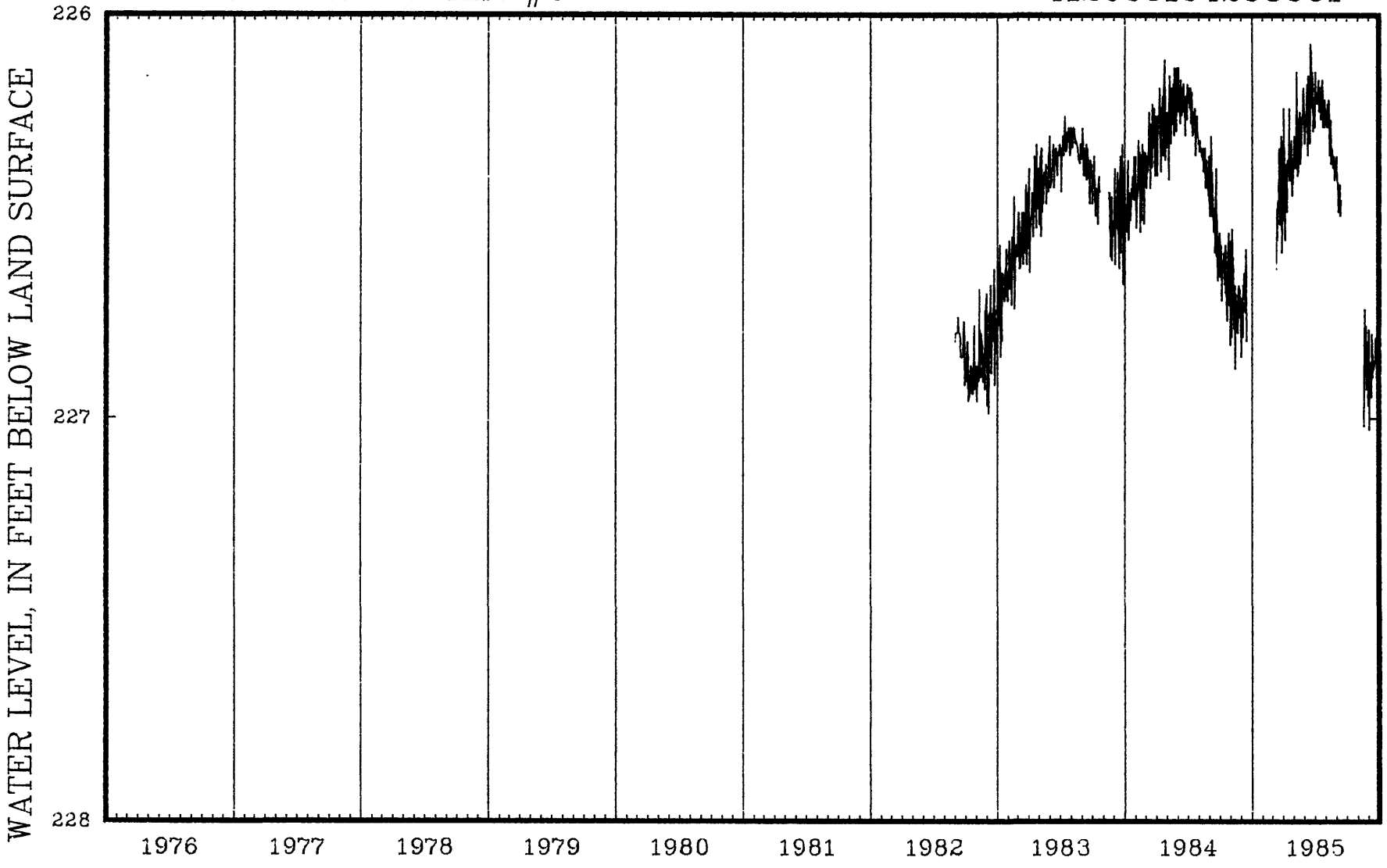
LARAMIE COUNTY

17-60-33cbb01 USGS Albin 412343104053101



LARAMIE COUNTY

17-62-17ccc01 Laramie #6 412605104203001



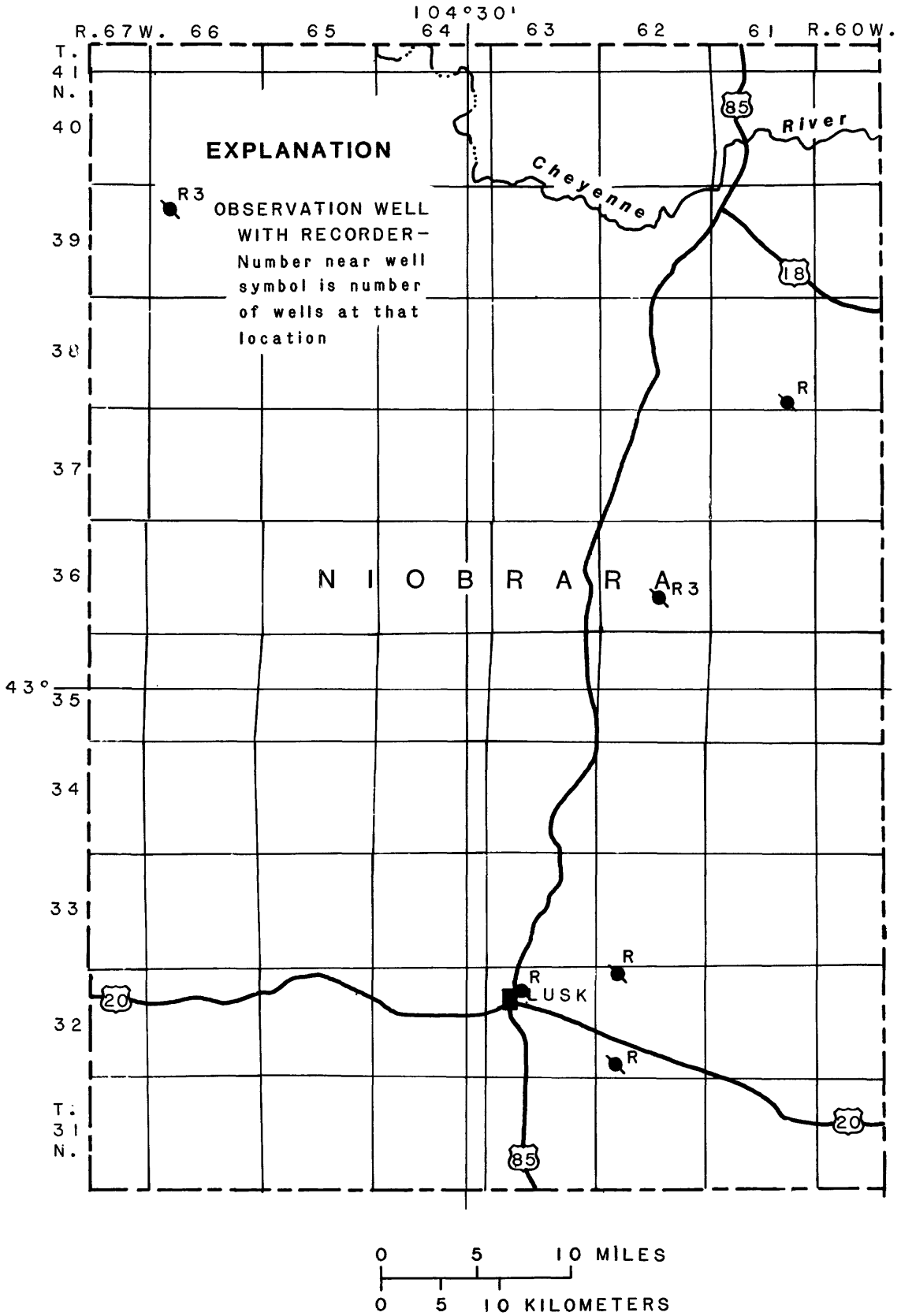
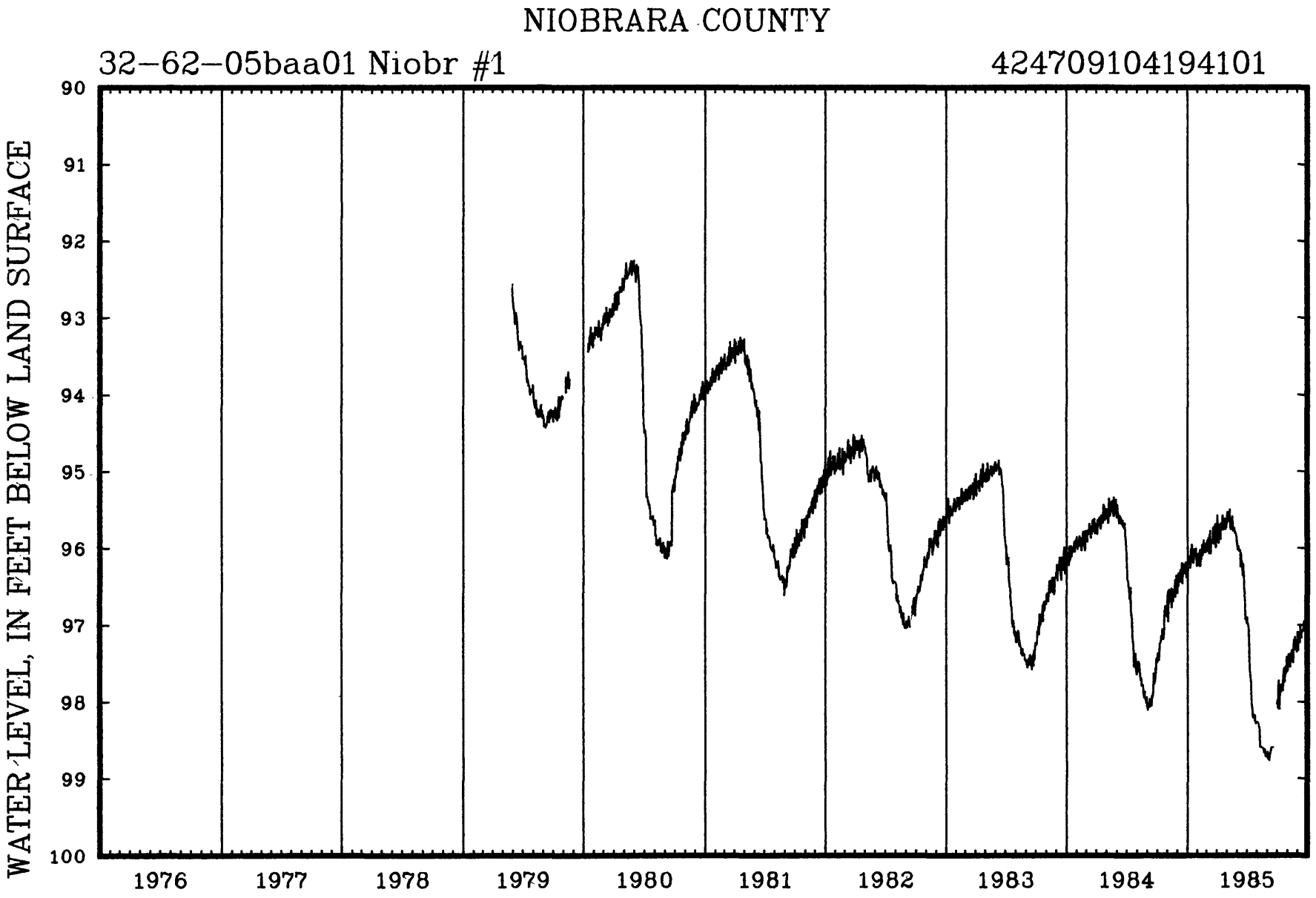


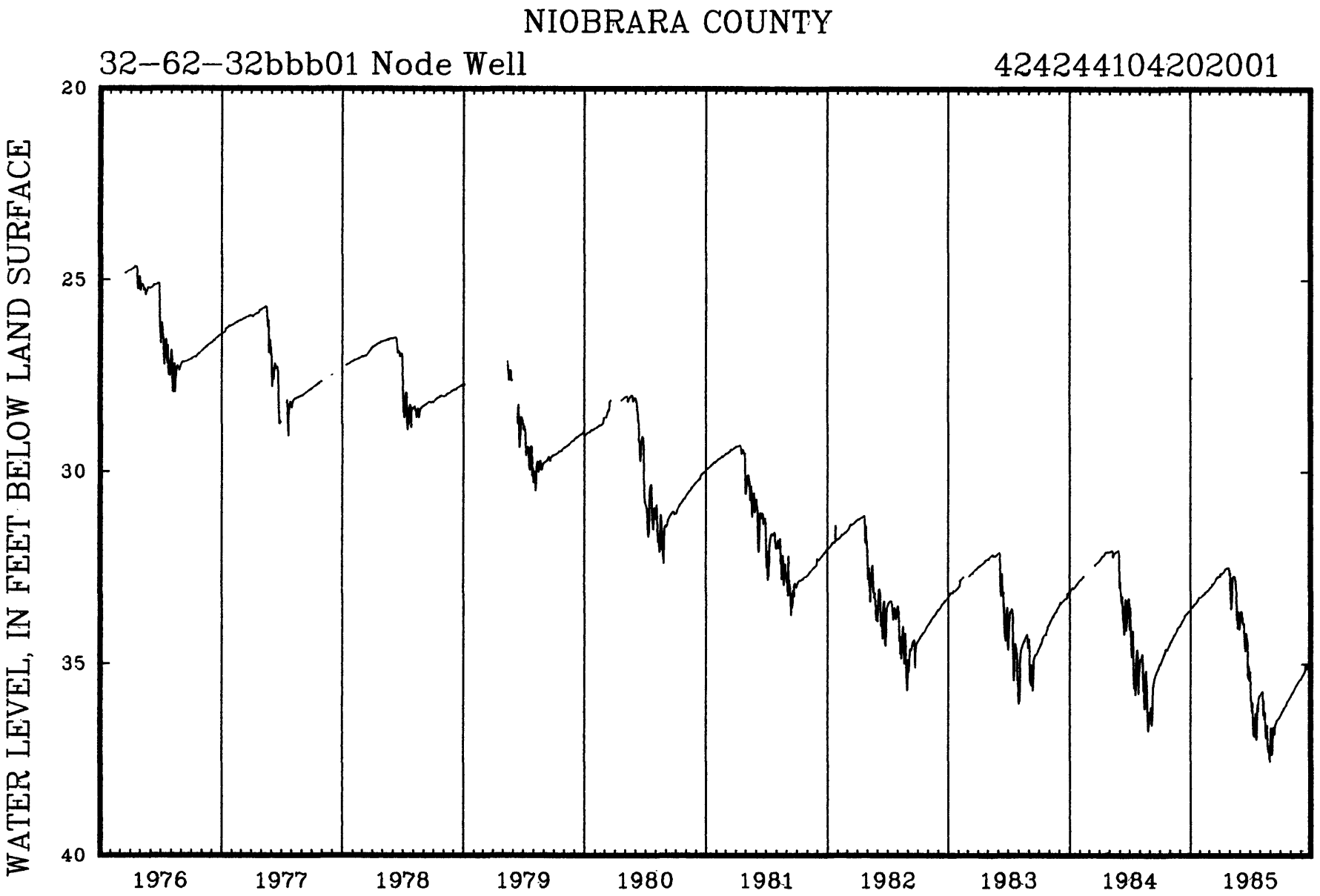
Figure 12.--Location of observation wells in Niobrara County, Wyoming.

Records of observation wells in Niobrara County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

Well number	Well depth (ft)	Use of water	Geologic source	Records available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
32-62-05baa01	177	U	122ARKR	1979-85	92.26	06-80	98.78	09-85
32bbb01	485	U	122ARKR	1970-85	20.93	06-70	37.56	08-85
32-63-08daa01	178	U	122ARKR	1979-85	19.01	12-85	48.96	09-82
36-62-28ab 01	3,269	U	331MDSN	1974-85	[1]549.00	05-74	558.54	09-85
28ab 02	505	U	217LKOT	1974-85	[1]233.87	08-74	250.14	12-85
36-62-28bbd01	1,513	U	317MNLS	1983-85	552.43	06-83	554.21	06-84
38-61-35dca01	5,155	U	317MNLS	1983-85	711.54	12-85	720.20	10-83

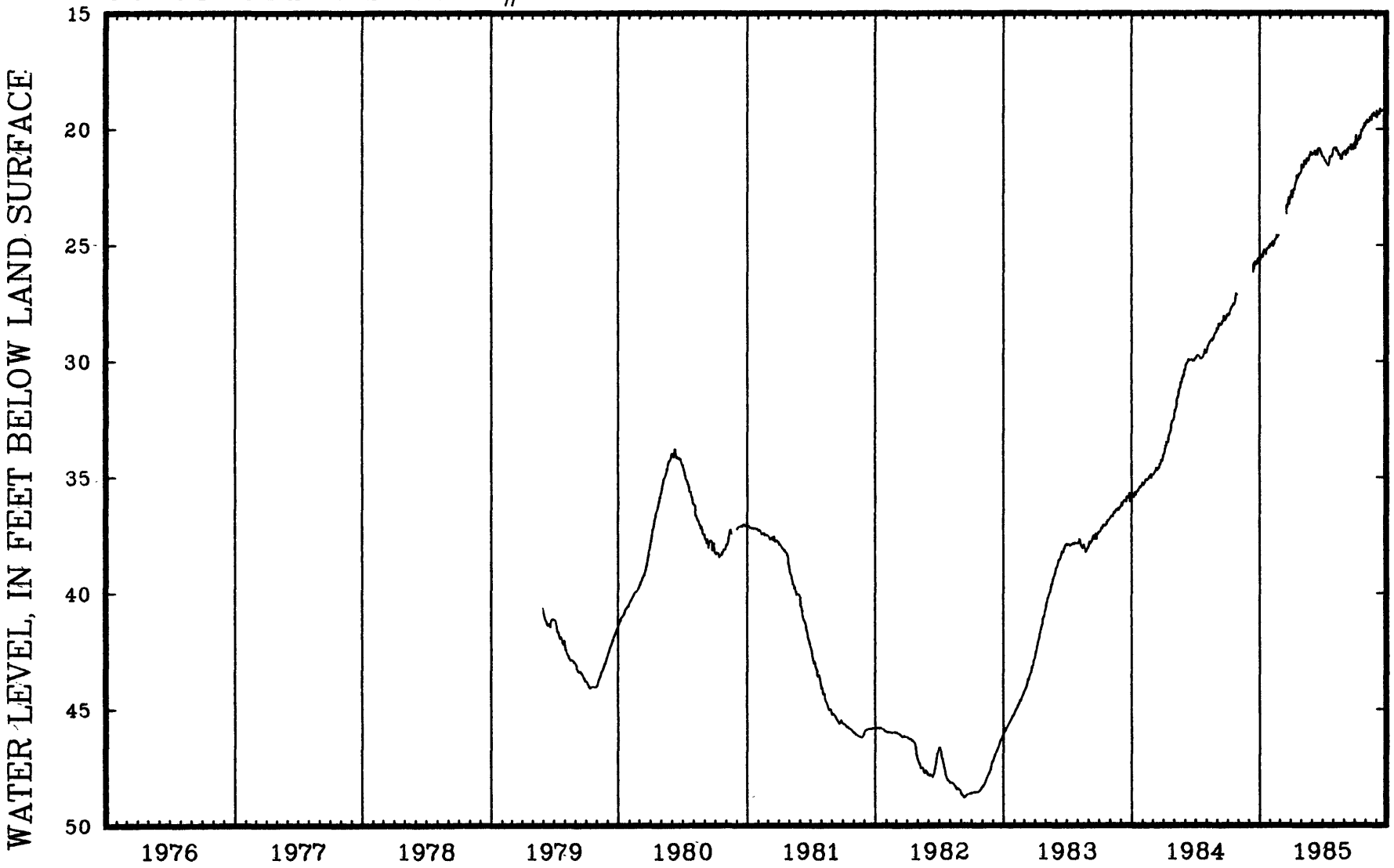
[1] From hand-measured data

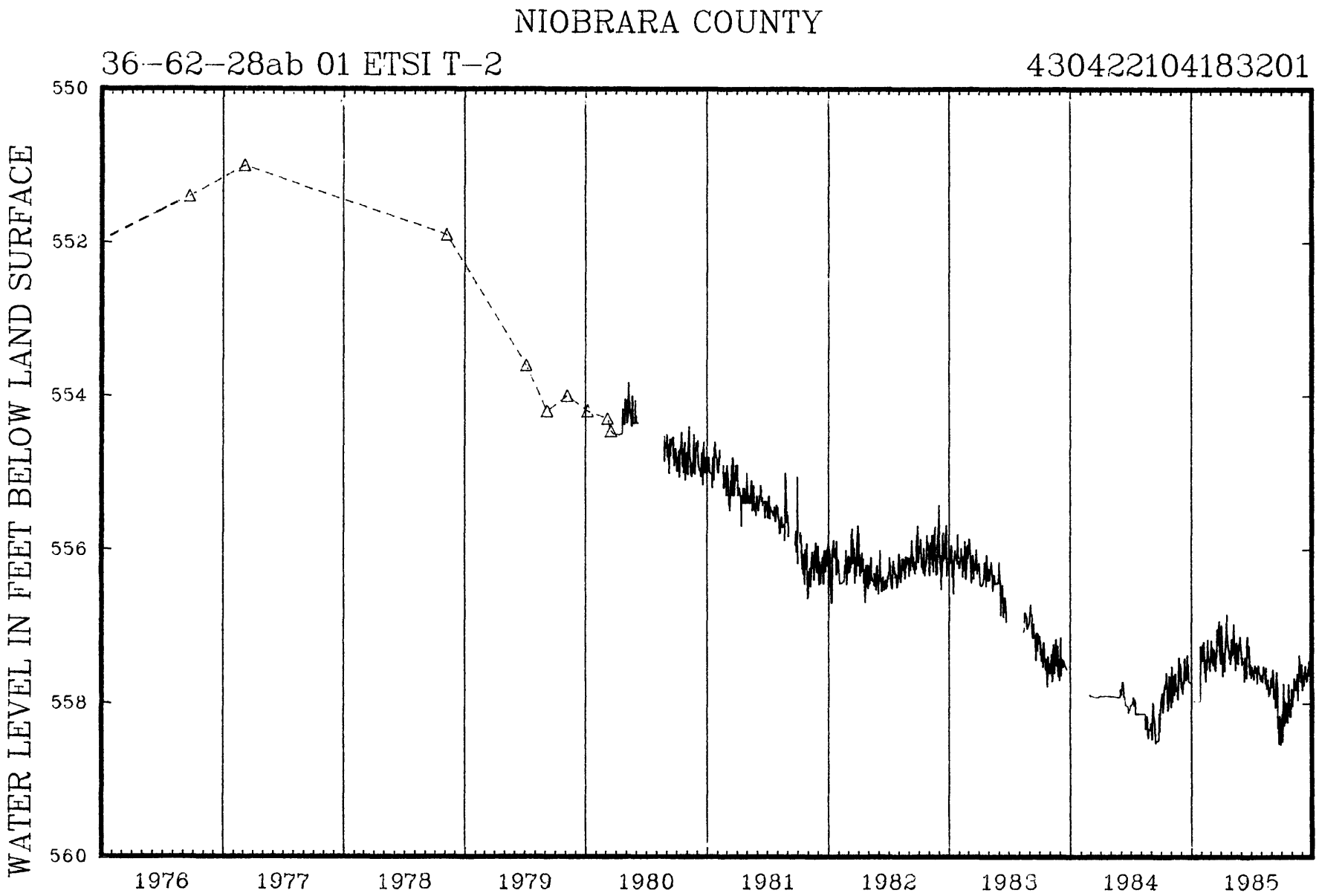

NIOBRARA COUNTY
32-62-05baa01 Niobr #1
424709104194101
WATER LEVEL, IN FEET BELOW LAND SURFACE
90
91
92
93
94
95
96
97
98
99
100
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985

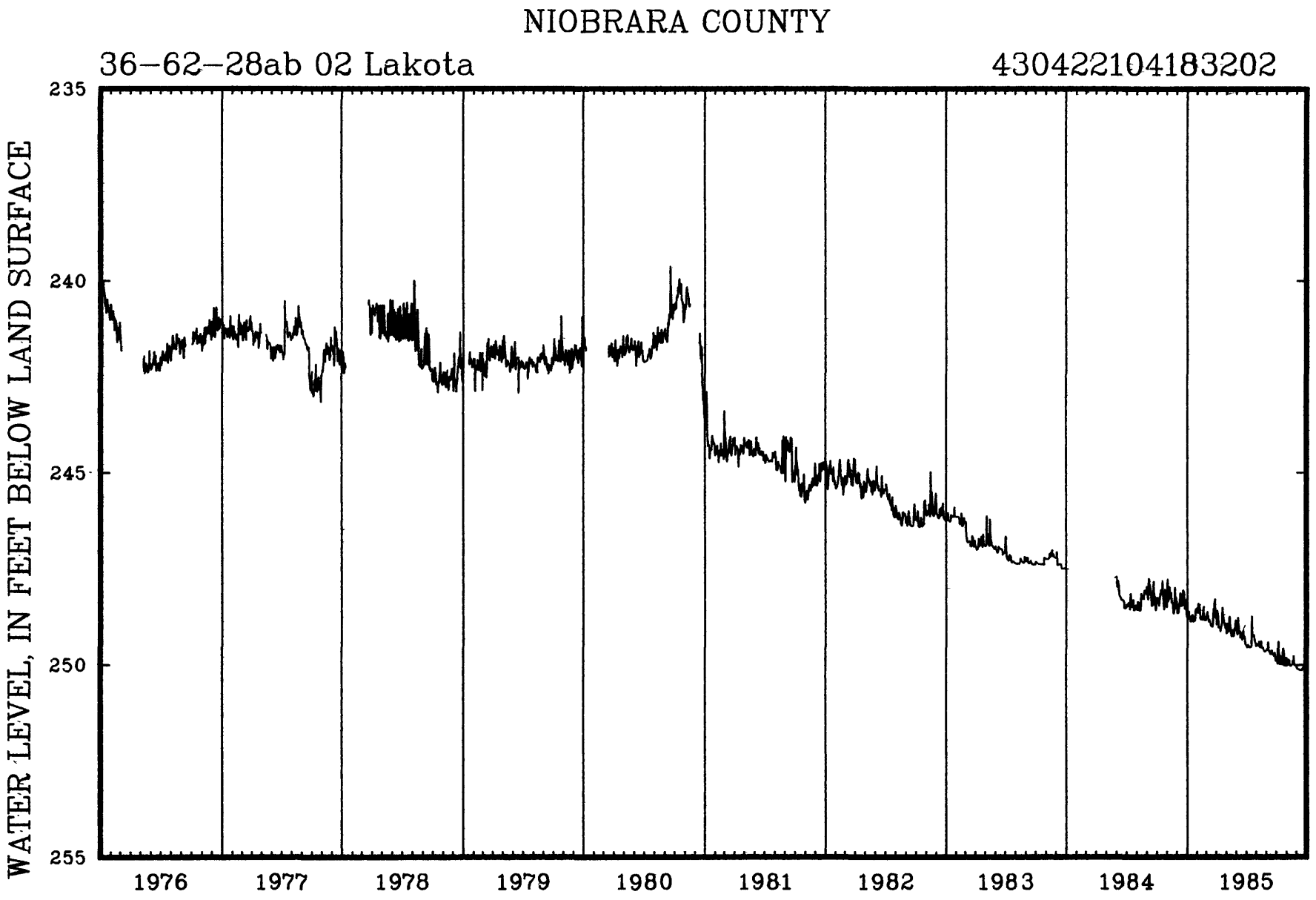

NIOBRARA COUNTY
32-62-32bbb01 Node Well
424244104202001
WATER LEVEL, IN FEET BELOW LAND SURFACE
20
25
30
35
40
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985

NIOBRARA COUNTY

32-63-08daa01 Niobr #2 424544104260601

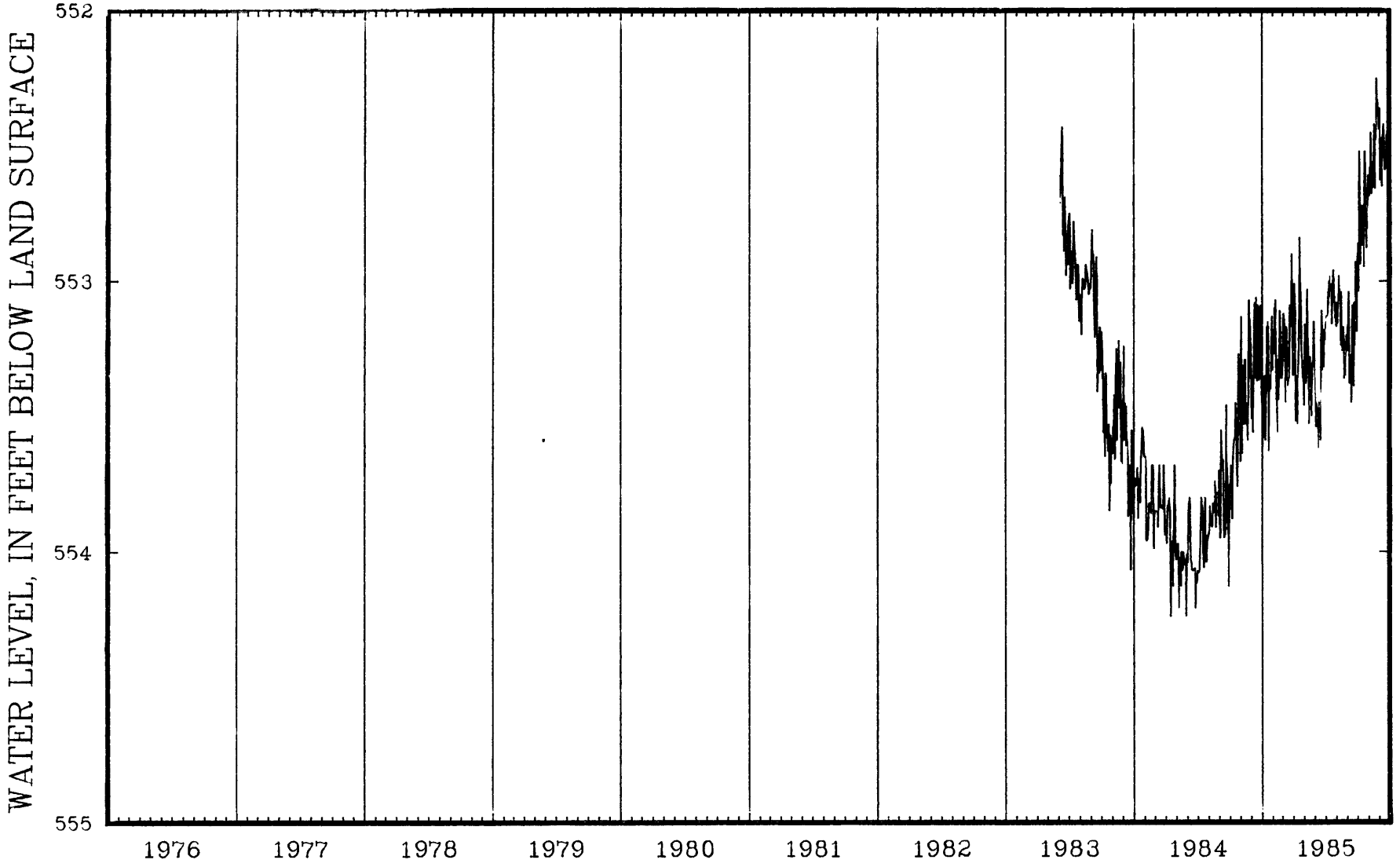



NIOBRARA COUNTY
36-62-28ab 01 ETSI T-2
430422104183201
WATER LEVEL IN FEET BELOW LAND SURFACE
550
552
554
556
558
560
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985


NIOBRARA COUNTY
36-62-28ab 02 Lakota
430422104183202
WATER LEVEL, IN FEET BELOW LAND SURFACE
235
240
245
250
255
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985

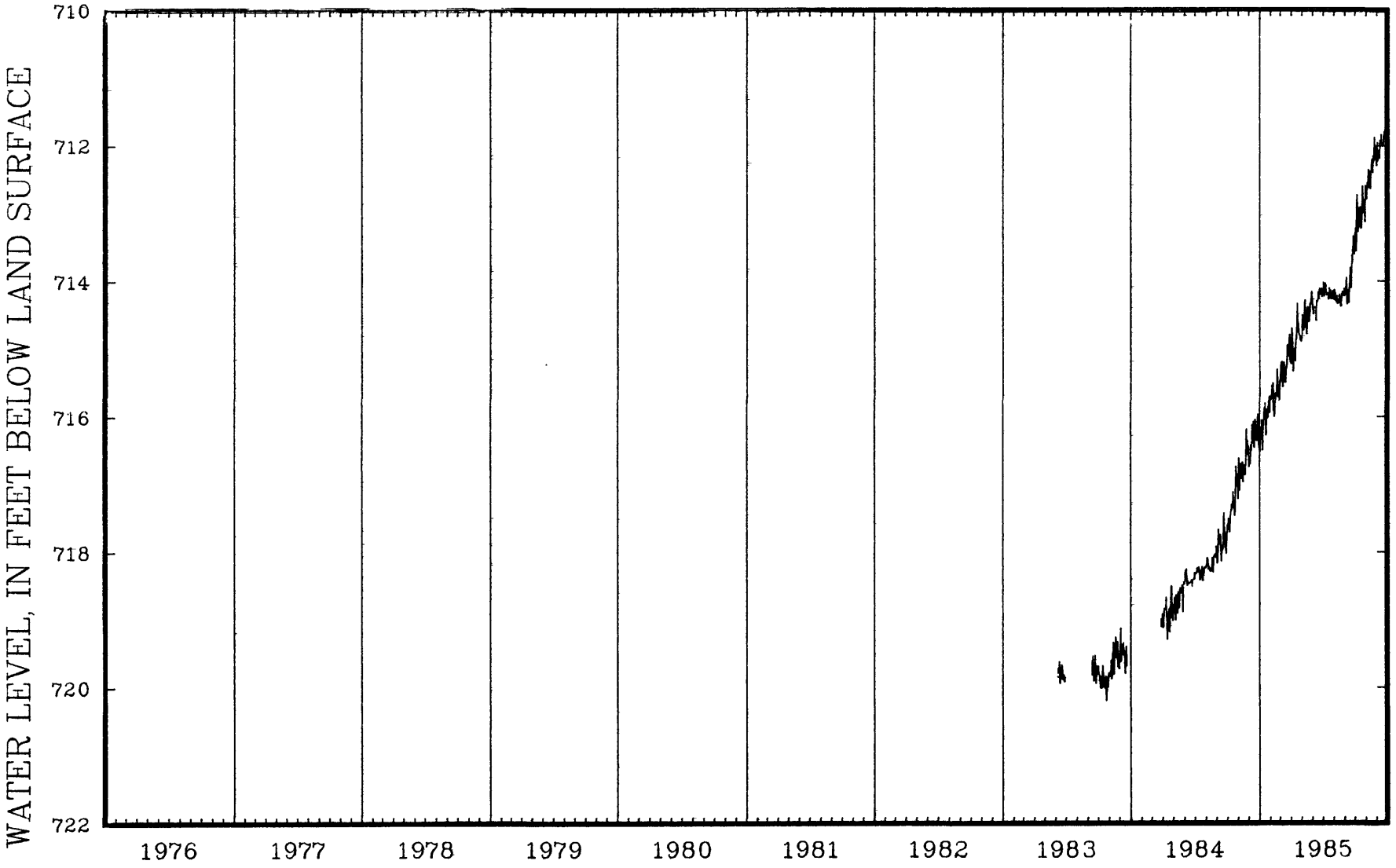
NIOBRARA COUNTY

36-62-28bbd01 ETSI T1 430421104200701



NIOBRARA COUNTY

38-61-35dca01 ETSI M-1 431321104090001



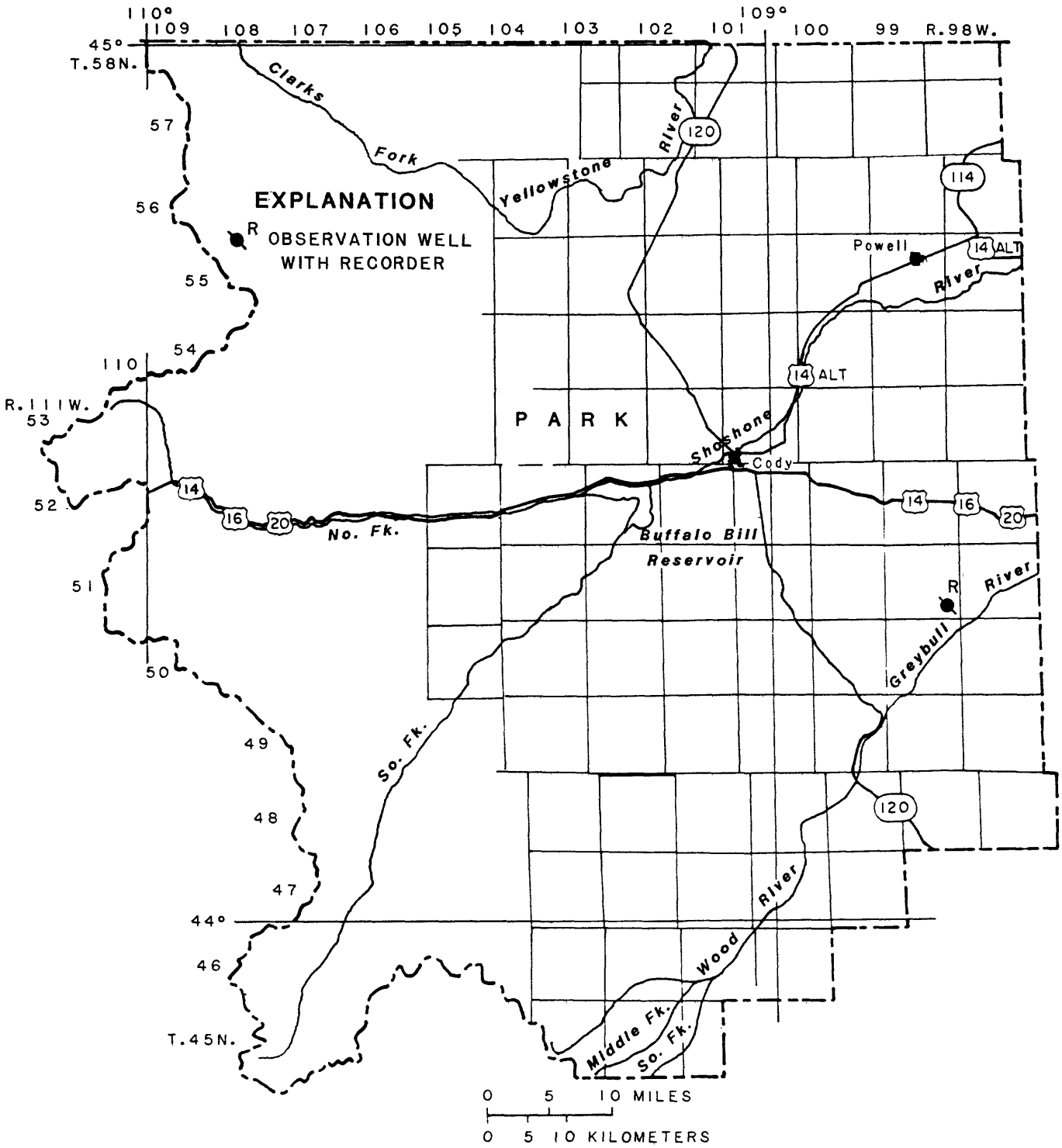


Figure 13.--Location of observation well in Park County, Wyoming.

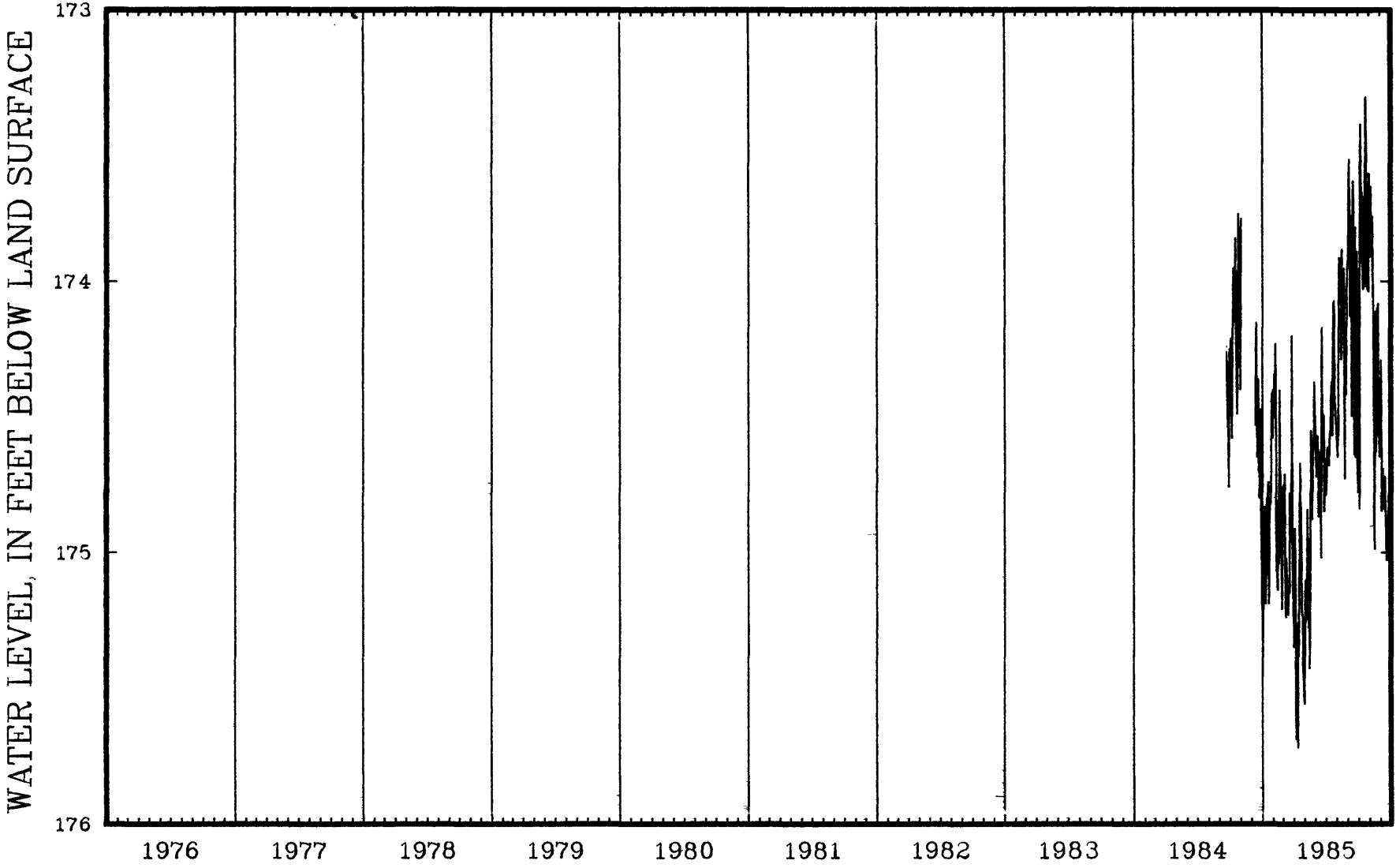
Record of observation well in Park County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

Well number	Well depth (ft)	Use of water	Geologic source	Records available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
51-99-26dd 01	564	U	124WLWD	1984-[4]85	173.32	10-85	175.72	04-85

[4] Discontinued

PARK COUNTY

51-99-26dd 01 YU Bench 442130108425301



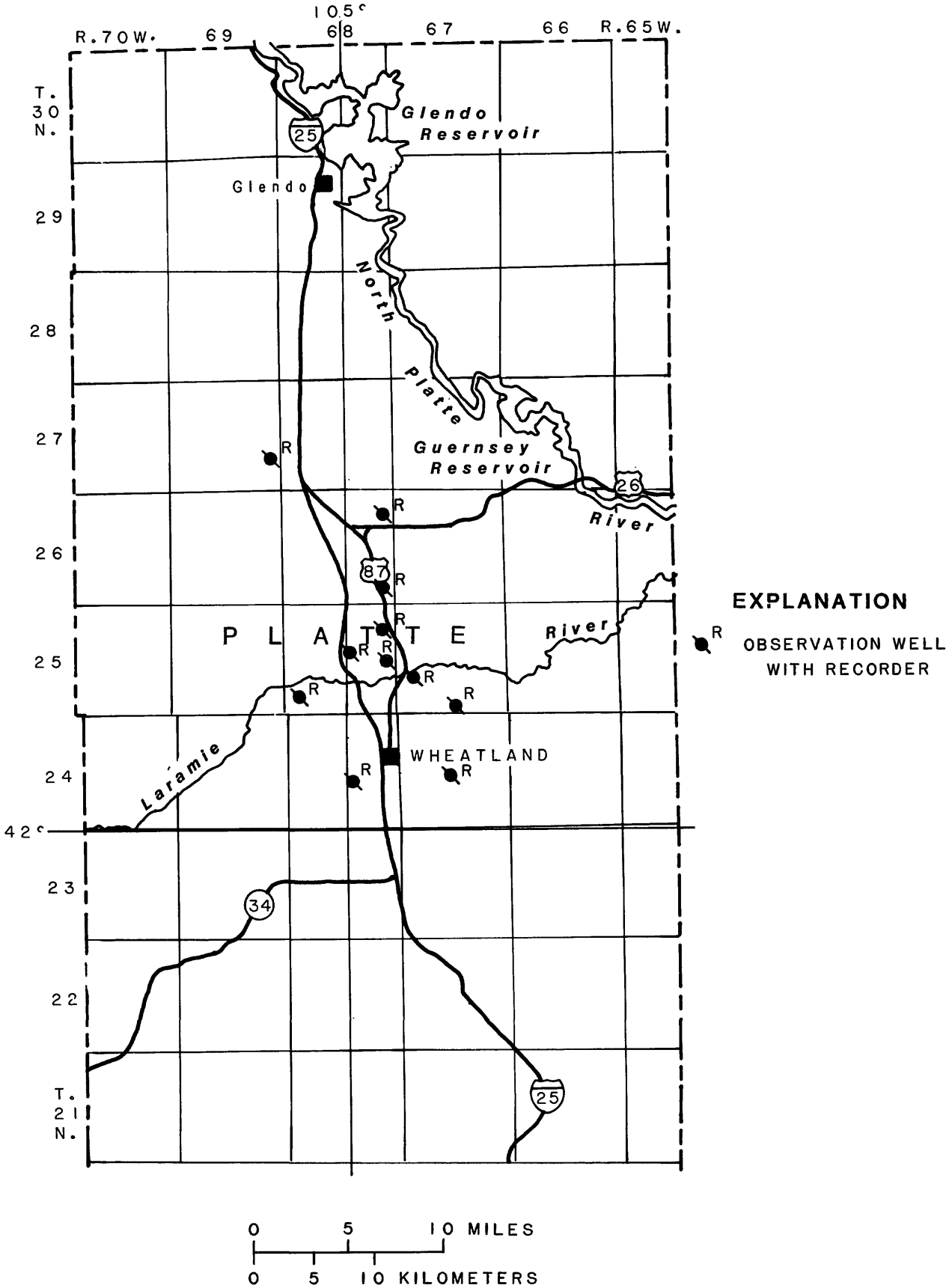


Figure 14.--Location of observation wells in Platte County, Wyoming.

Records of observation wells in Platte County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

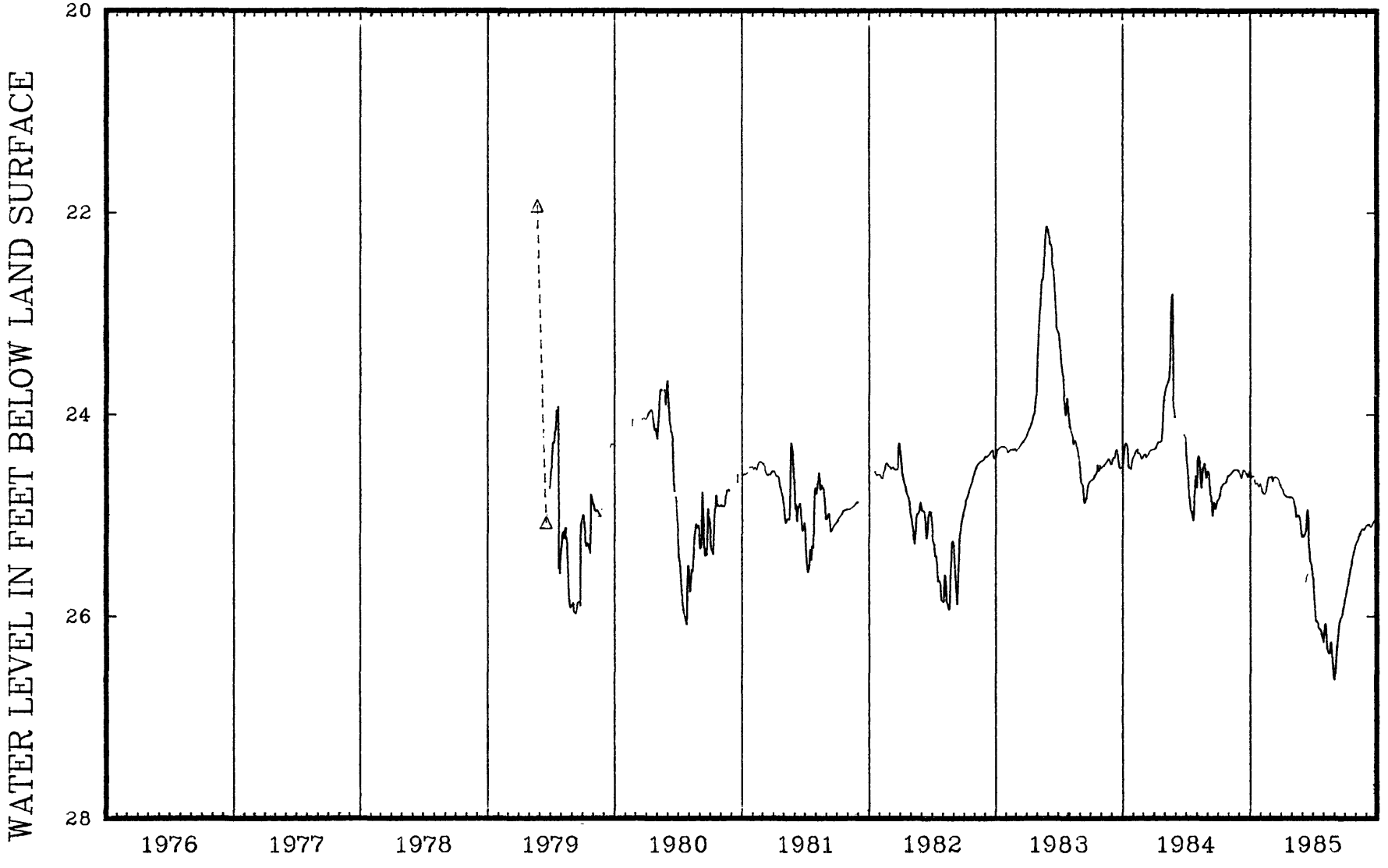
Well number	Well depth (ft)	Use of water	Geologic source	Records available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
24-67-21aab01	41	U	111ALVL	1979-85	[1]21.93	05-79	26.63	09-85
24-68-22aab01	380	U	122ARKR	1980-85	95.74	09-80	103.54	12-85
25-67-19dda01	760	U	122ARKR	1979-85	47.88	11-85	81.04	07-85
34ccd01	380	U	122ARKR	1980-85	80.56	06-85	87.35	09-80
25-68-12dda01	100	M	122ARKR	1980-85	13.30	06-84	20.55	10-81
15bbd01	220	U	122ARKR	1980-85	42.50	02-81	63.32	06-85
24aad01	240	U	122ARKR	1980-85	70.11	12-85	72.11	04-81
31aaa01	400	U	122ARKR	1979-85	20.42	10-84	28.93	08-82
26-68-12cbd01	320	U	122ARKR	1980-85	140.06	05-85	153.20	10-80
36bbb01	200	U	122ARKR	1981-85	147.86	12-85	153.41	08-82
27-69-25abc01	200	U	123WRVR	1981-85	3.78	03-82	27.03	05-82

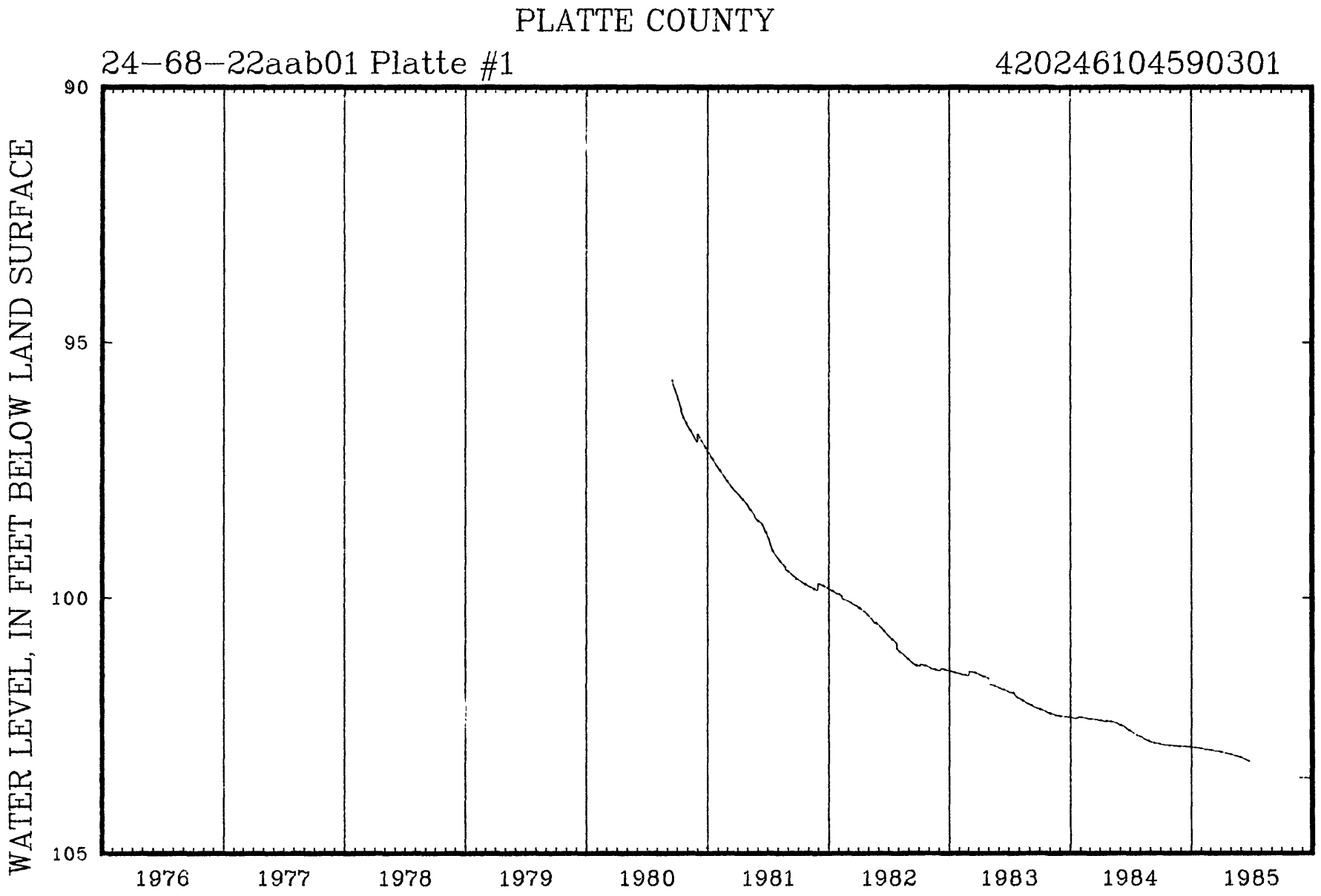
[1] From hand-measured data

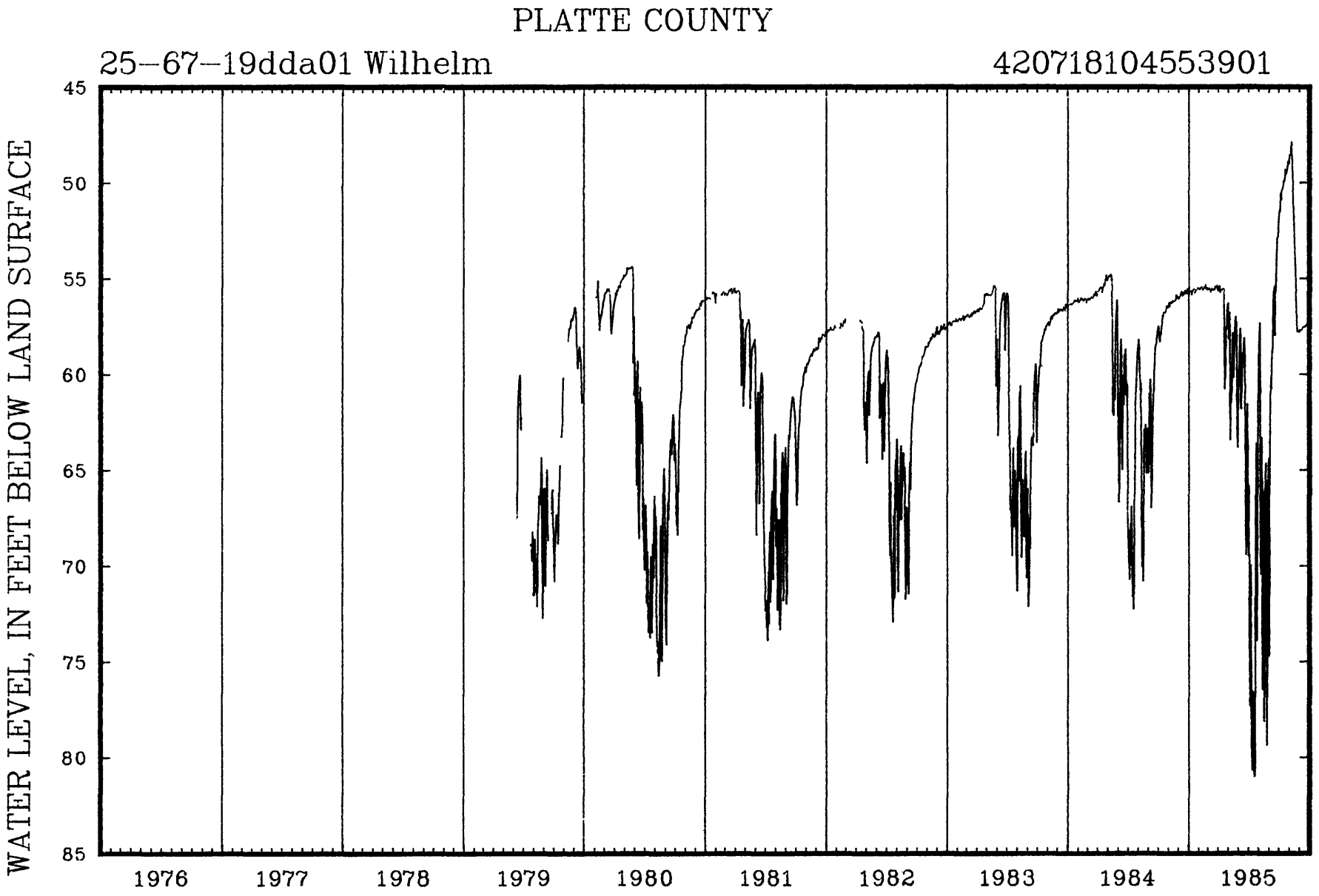
PLATTE COUNTY

24-67-21aab01 Preuit

420237104532101

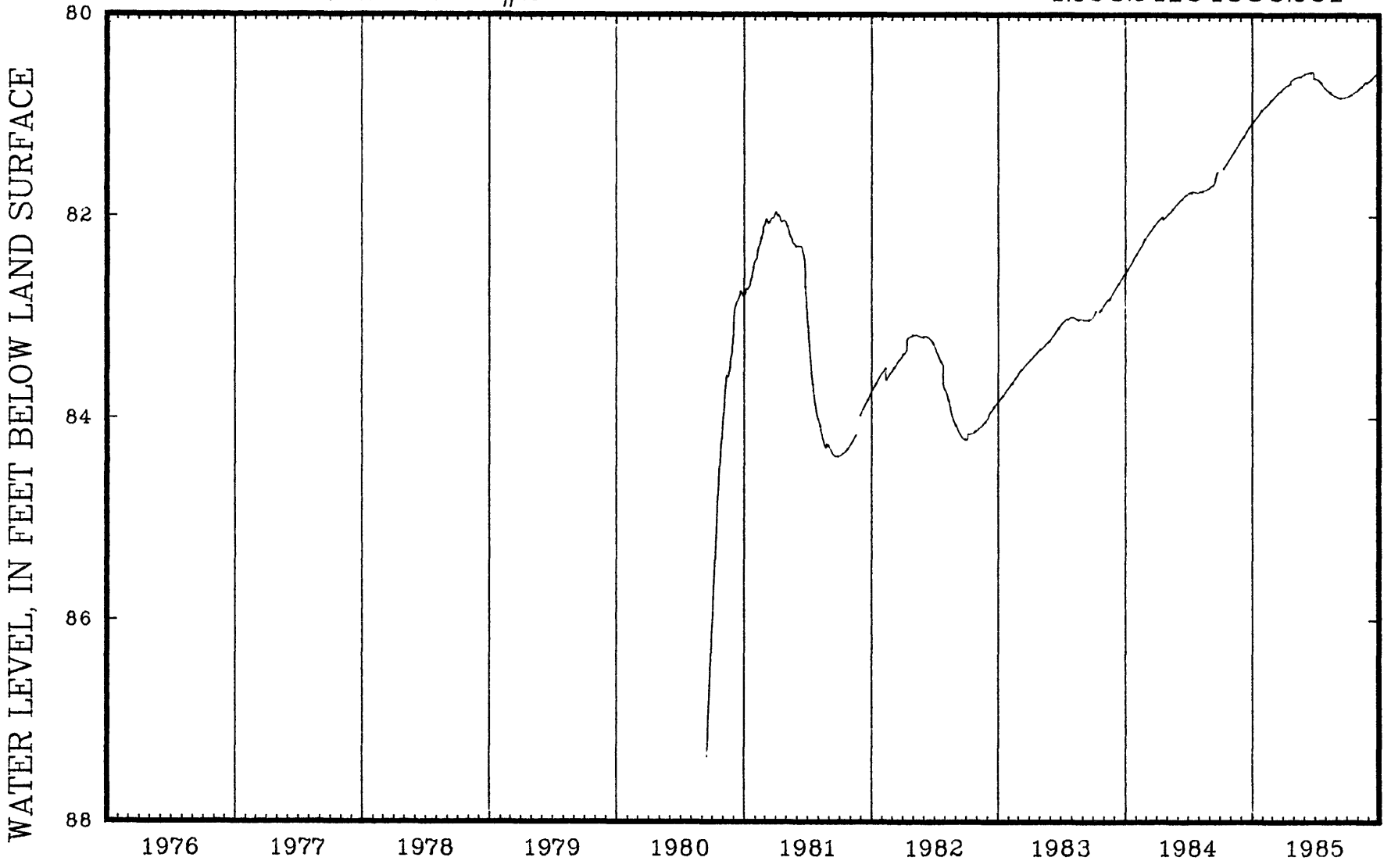



PLATTE COUNTY
24-68-22aab01 Platte #1
420246104590301
WATER LEVEL, IN FEET BELOW LAND SURFACE
90
95
100
105
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985


PLATTE COUNTY
25-67-19dda01 Wilhelm
420718104553901
WATER LEVEL, IN FEET BELOW LAND SURFACE
45
50
55
60
65
70
75
80
85
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985

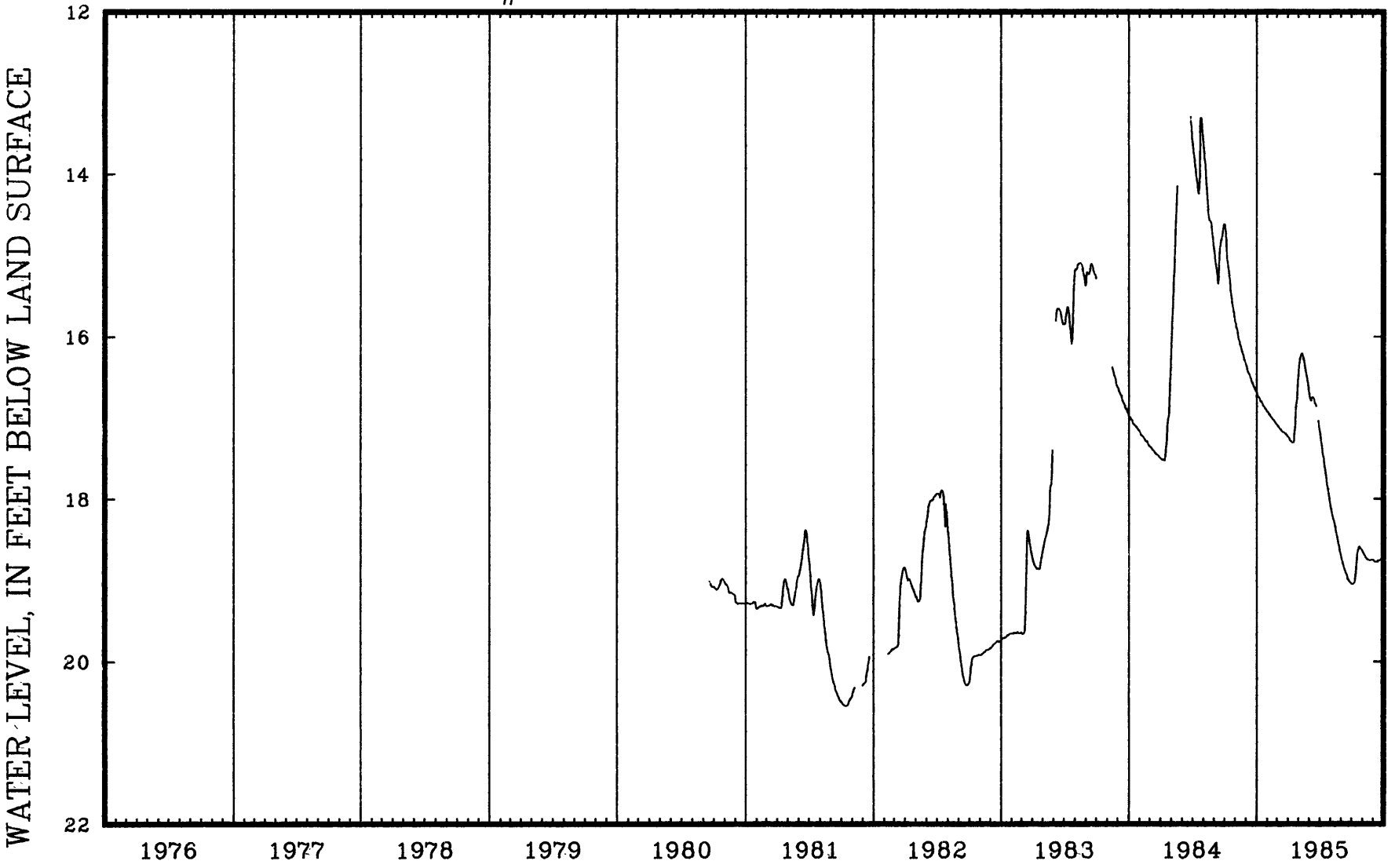
PLATTE COUNTY

25-67-34ccd01 Platte #2 420524104530201



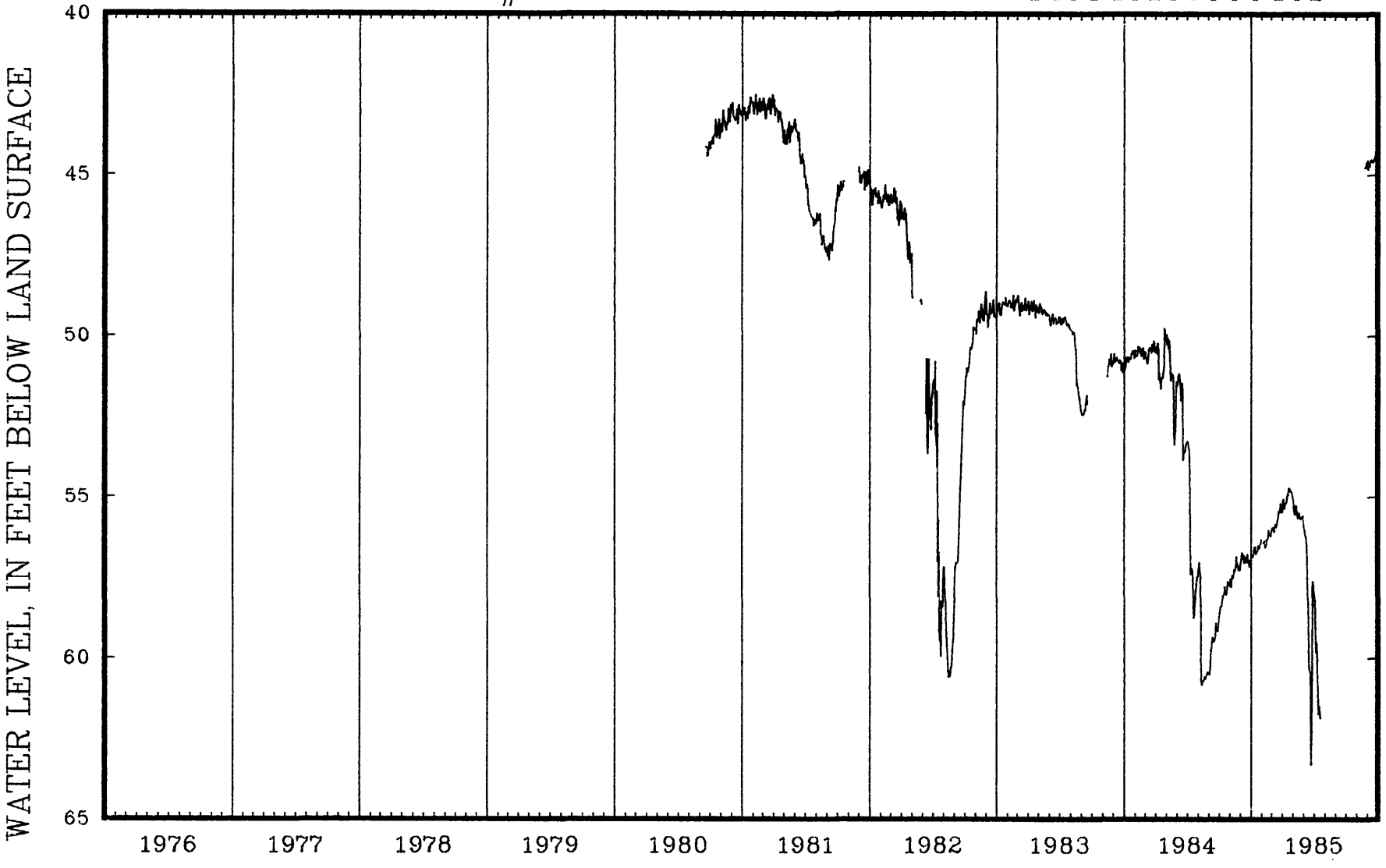
PLATTE COUNTY

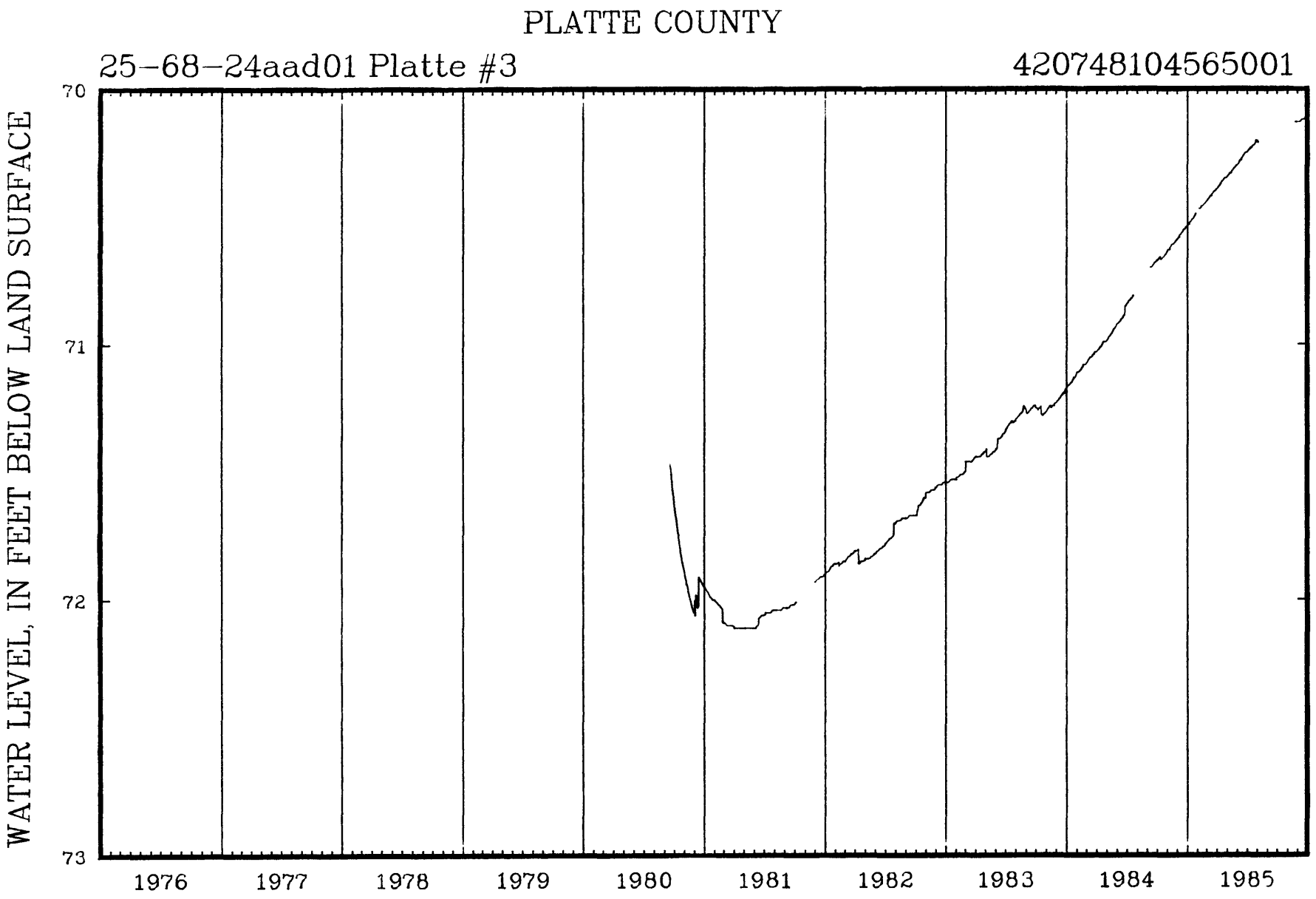
25-68-12dda01 Platte #4 420859104565001

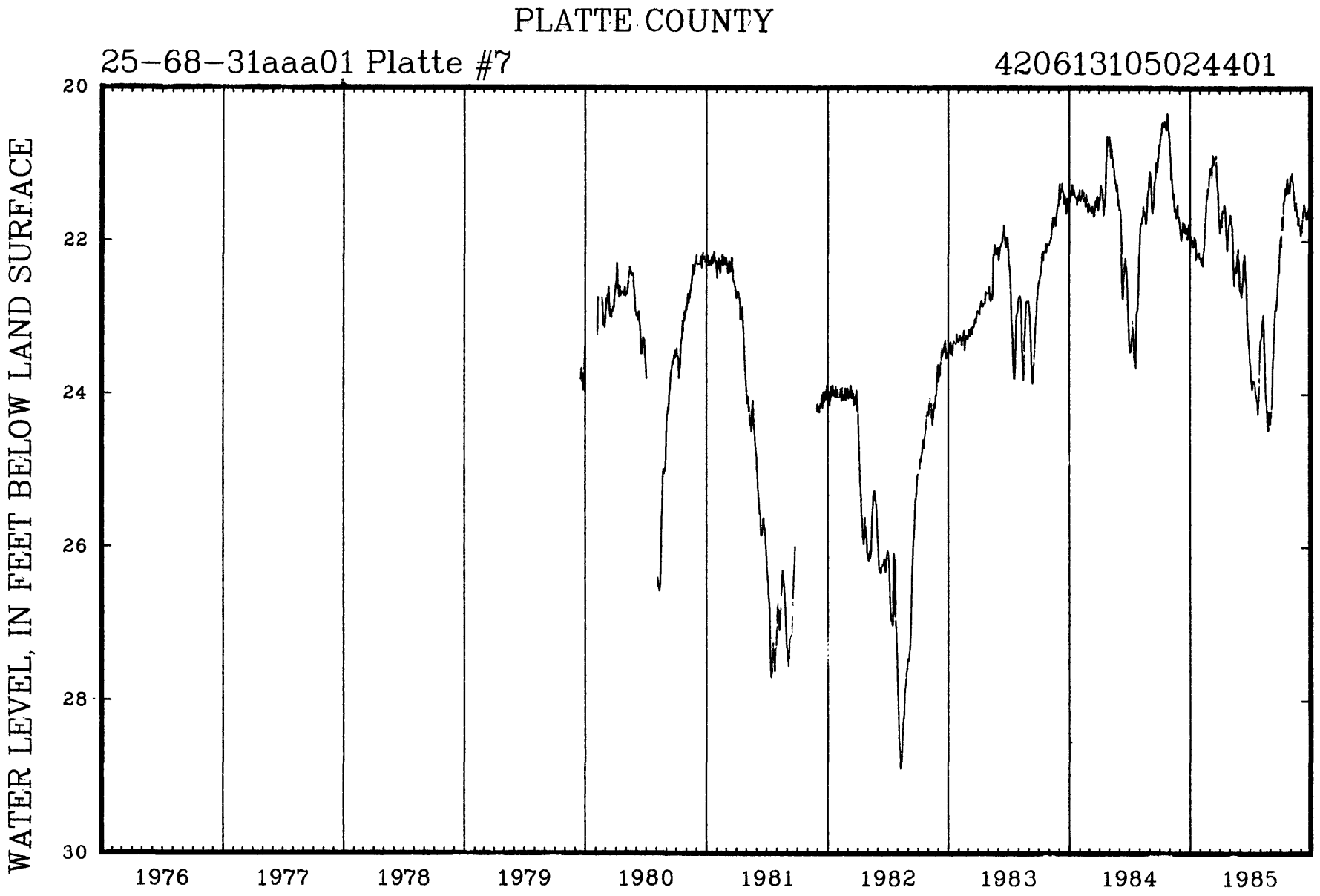


PLATTE COUNTY

25-68-15bbd01 Platte #6 420840105000401

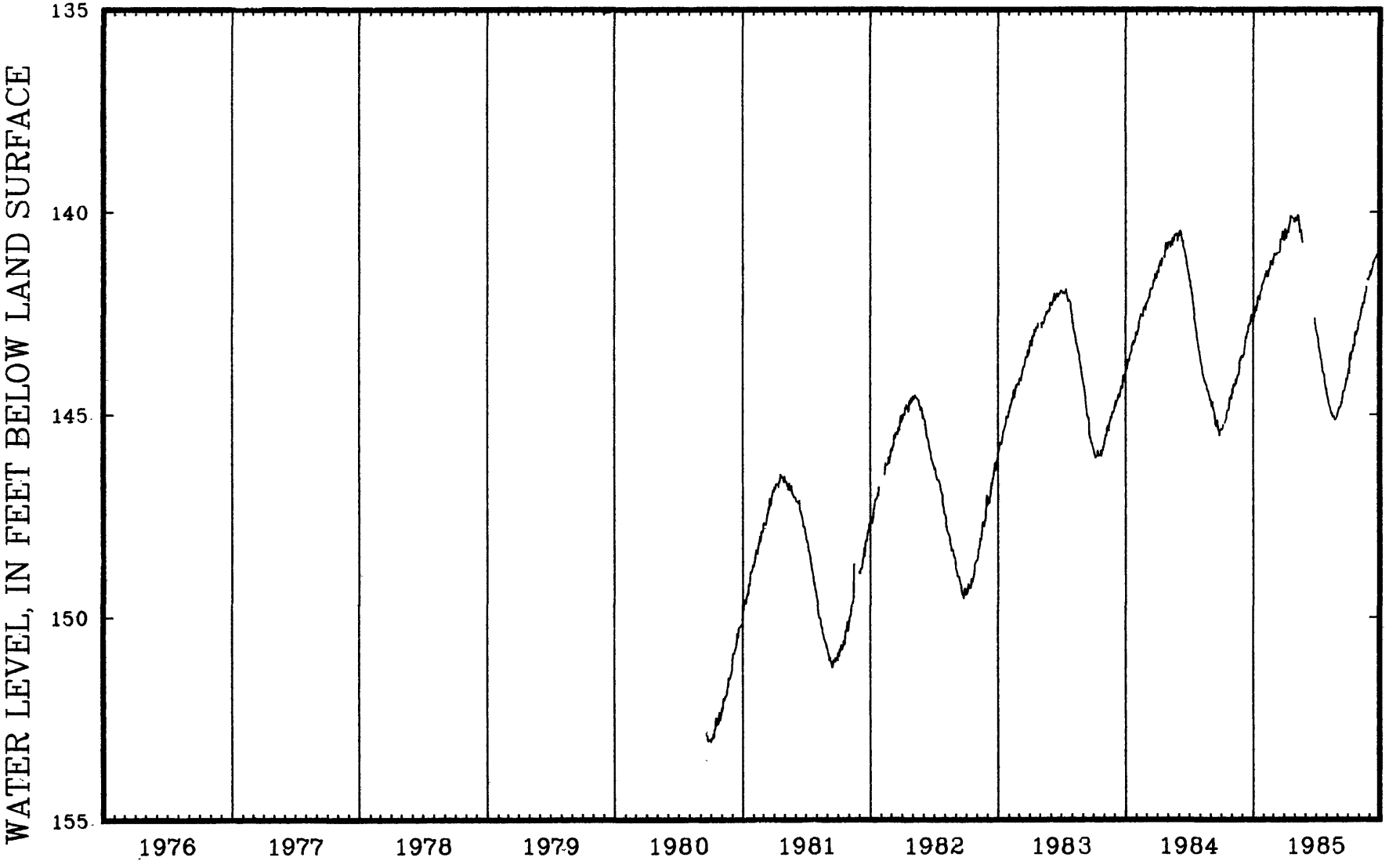


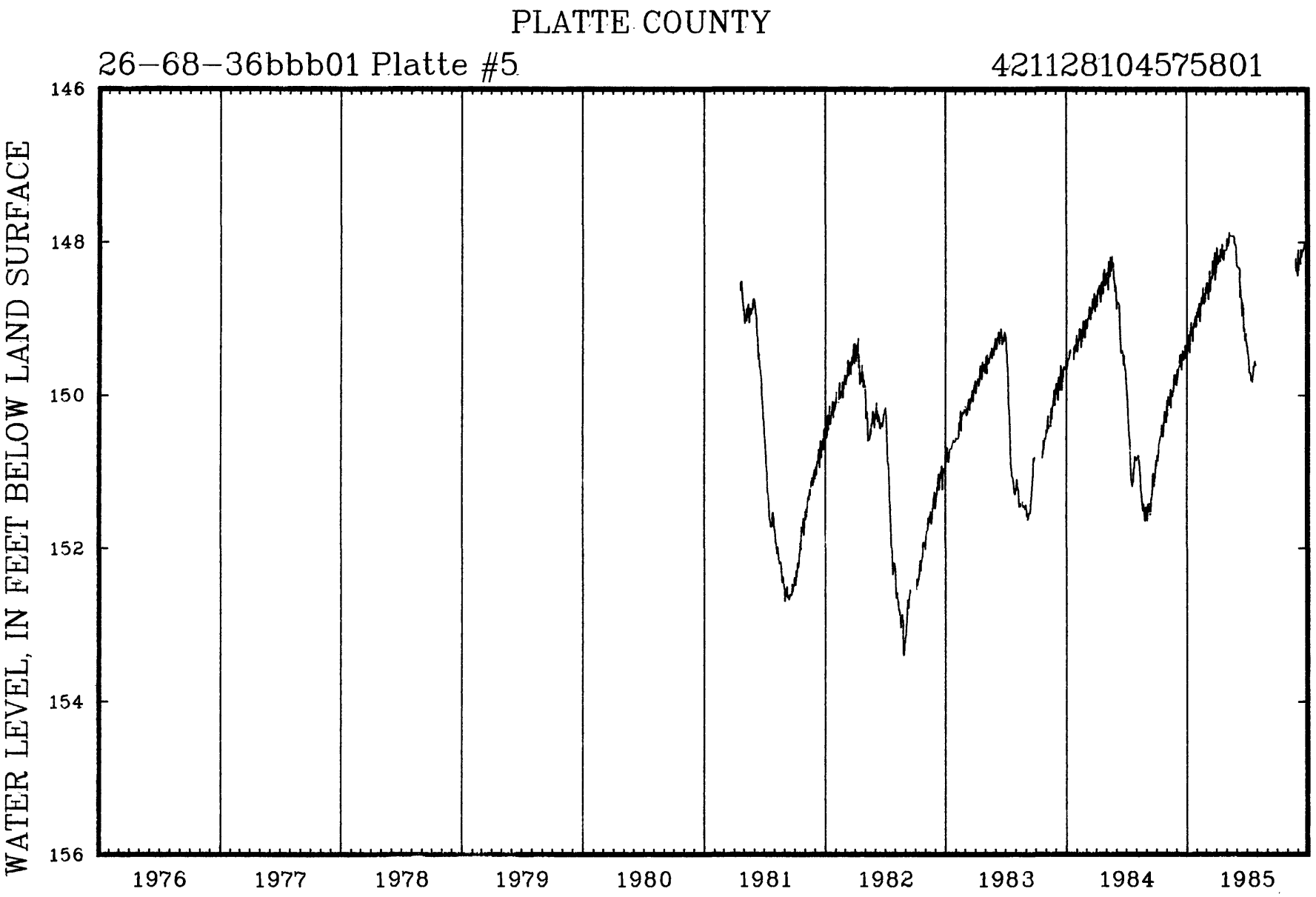

PLATTE COUNTY
25-68-24aad01 Platte #3
420748104565001
WATER LEVEL, IN FEET BELOW LAND SURFACE
70
71
72
73
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985

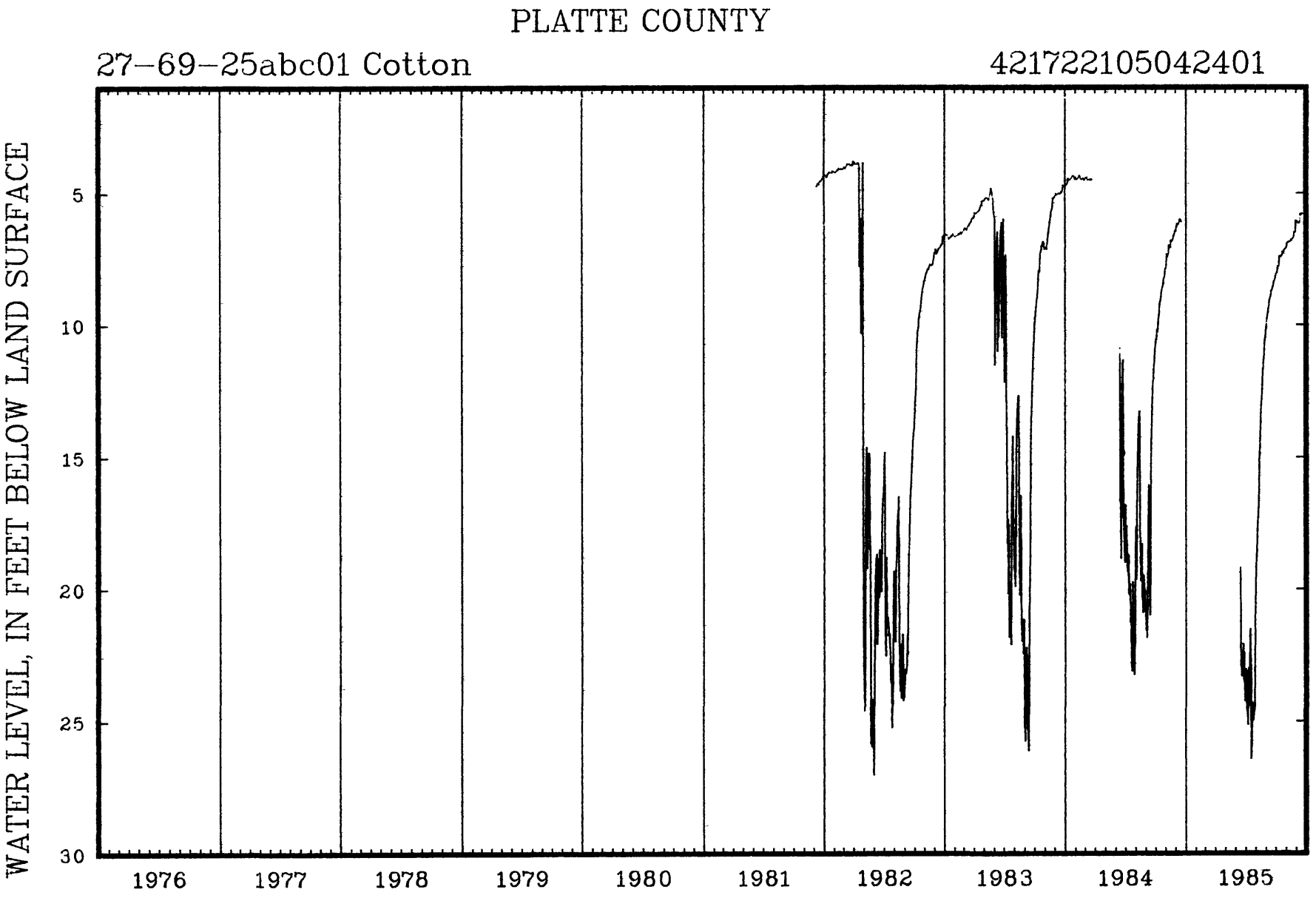

PLATTE COUNTY
25-68-31aaa01 Platte #7
420613105024401
WATER LEVEL, IN FEET BELOW LAND SURFACE
20
22
24
26
28
30
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985

PLATTE COUNTY

26-68-12cbd01 Rutherford 421443104574601




PLATTE COUNTY
26-68-36bbb01 Platte #5
421128104575801
WATER LEVEL, IN FEET BELOW LAND SURFACE
146
148
150
152
154
156
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985


PLATTE COUNTY
27-69-25abc01 Cotton
421722105042401
WATER LEVEL, IN FEET BELOW LAND SURFACE
5
10
15
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1976
1977
1978
1979
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1983
1984
1985

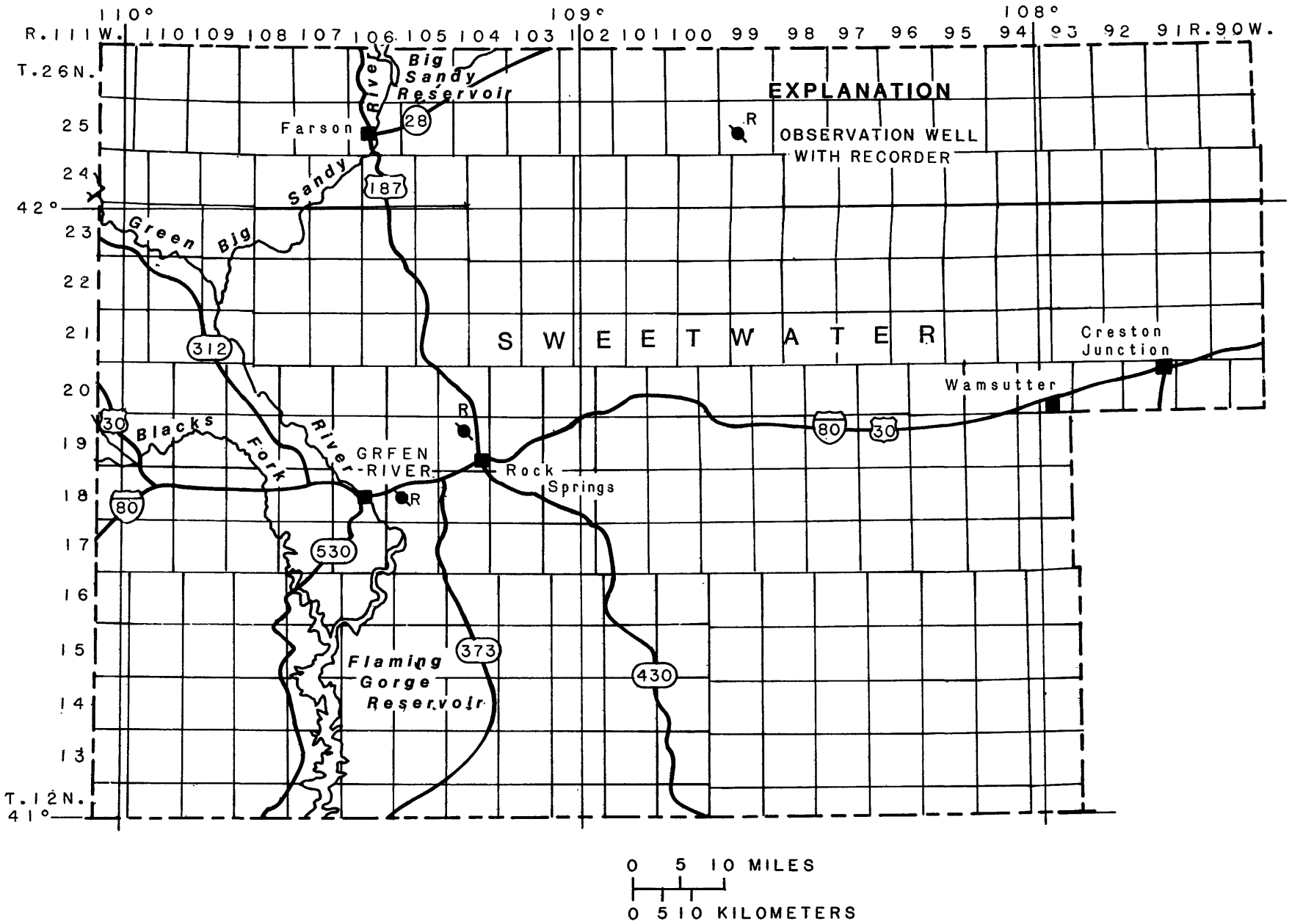
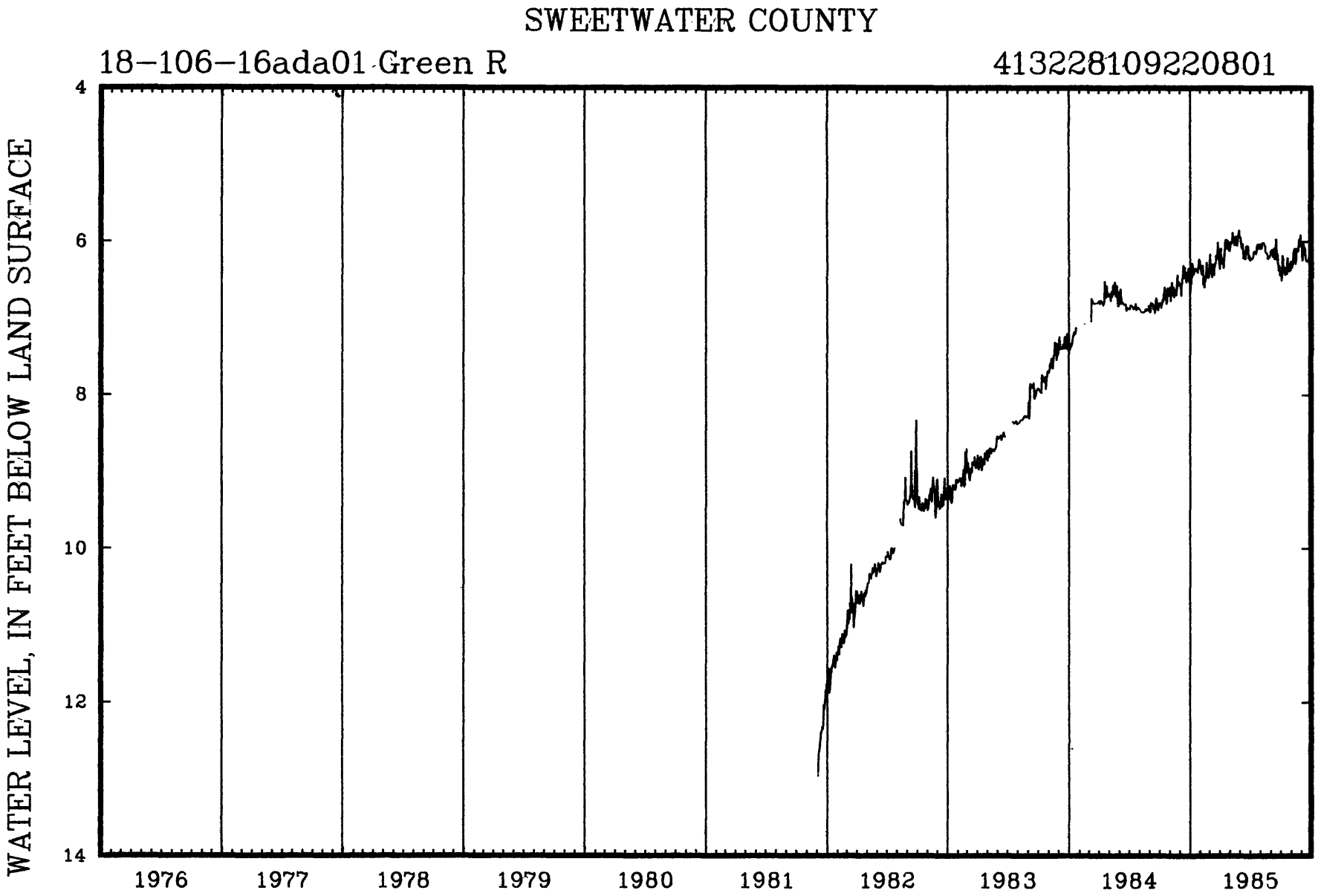
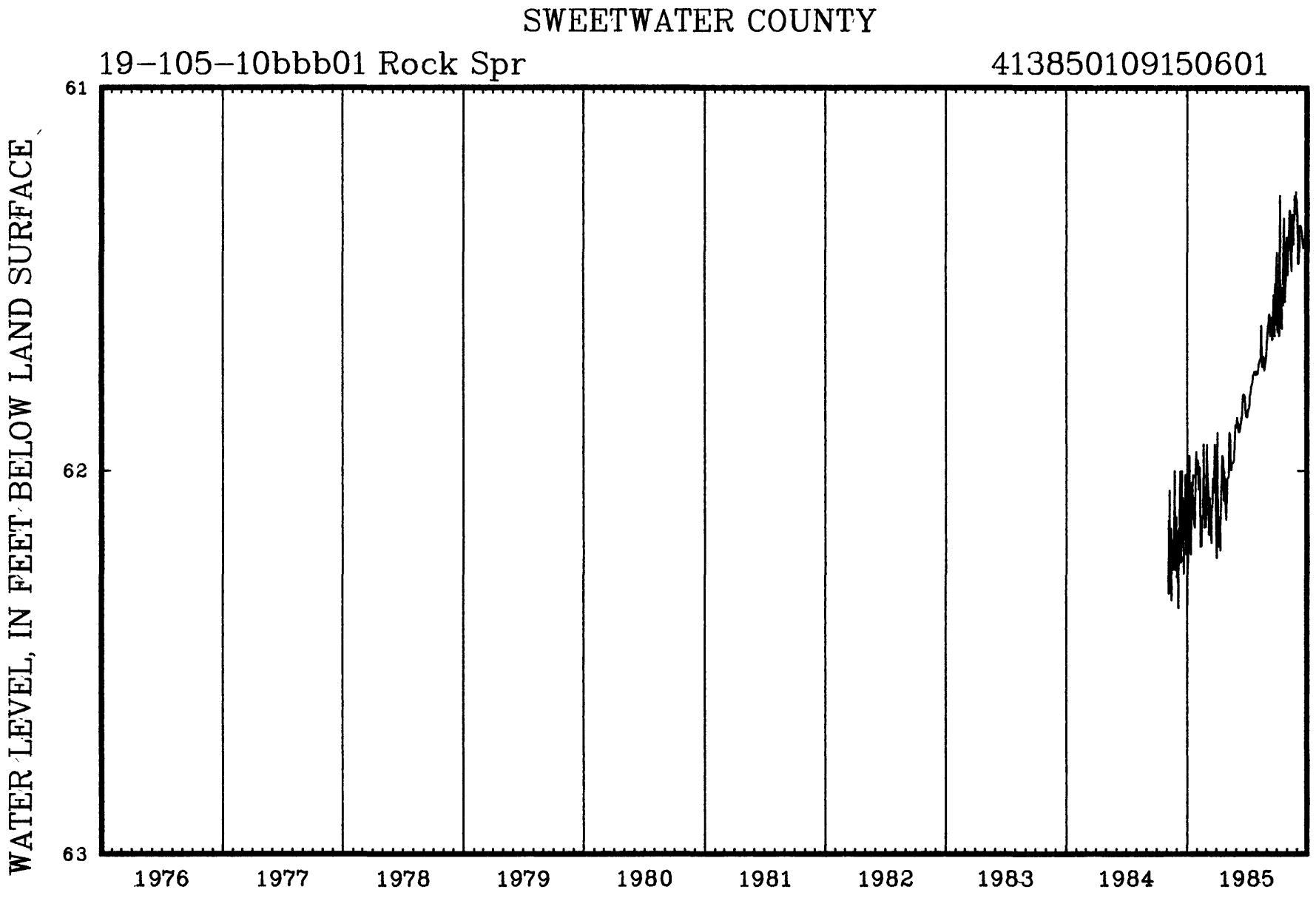


Figure 15.--Location of observation wells in Sweetwater County, Wyoming.

Records of observation wells in Sweetwater County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

Well number	Well depth (ft)	Use of water	Geologic source	Records available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
18-106-16ada01	1,030	U	124WSTC	1981-85	5.85	05-85	12.97	12-81
19-105-10bbb01	240	U	-------	1984-85	61.27	11-85	62.36	12-84


SWEETWATER COUNTY
18-106-16ada01 Green R
413228109220801
WATER LEVEL, IN FEET BELOW LAND SURFACE
4
6
8
10
12
14
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985


SWEETWATER COUNTY
19-105-10bbb01 Rock Spr
413850109150601
WATER LEVEL, IN FEET BELOW LAND SURFACE
61
62
63
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985

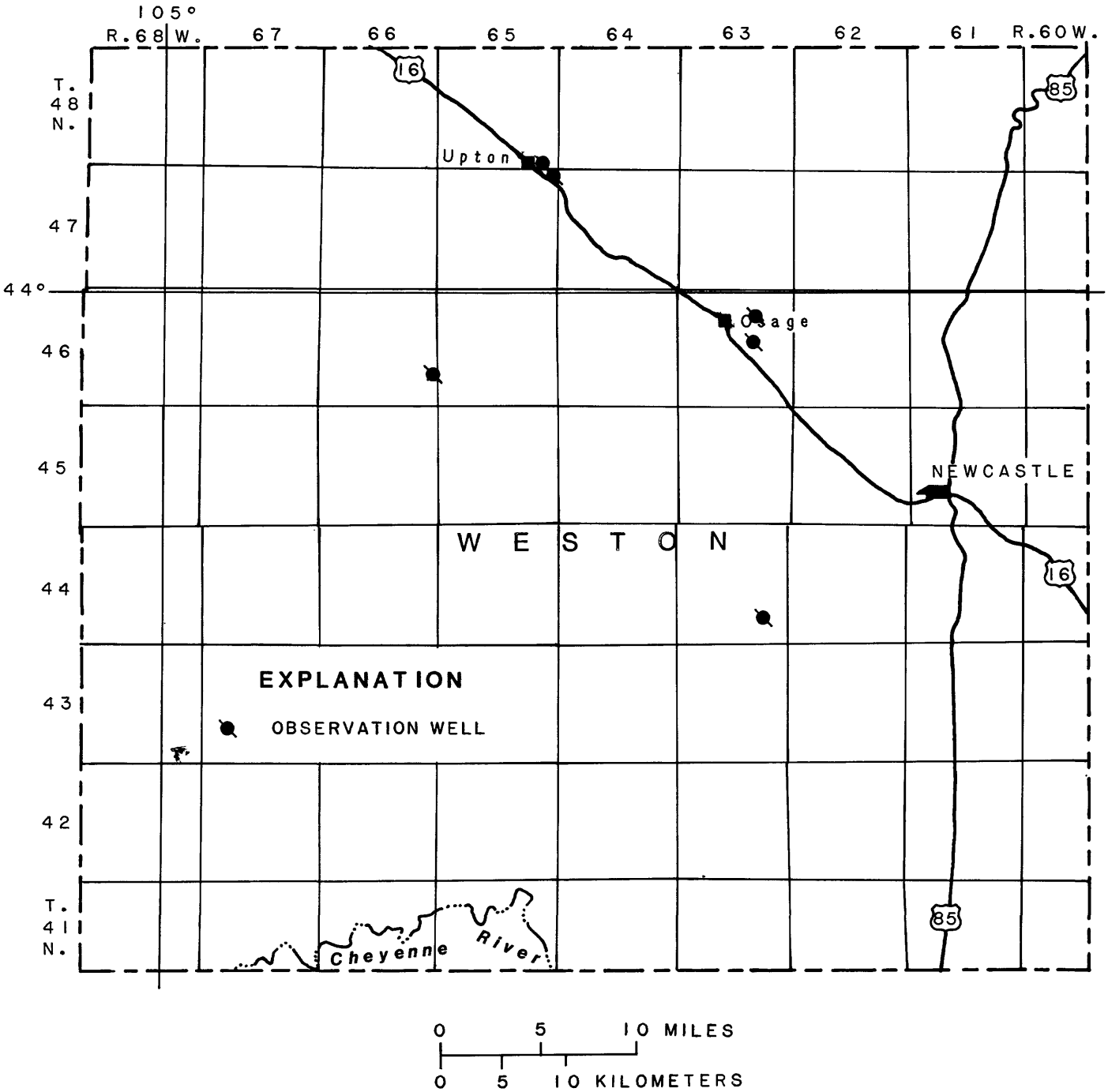
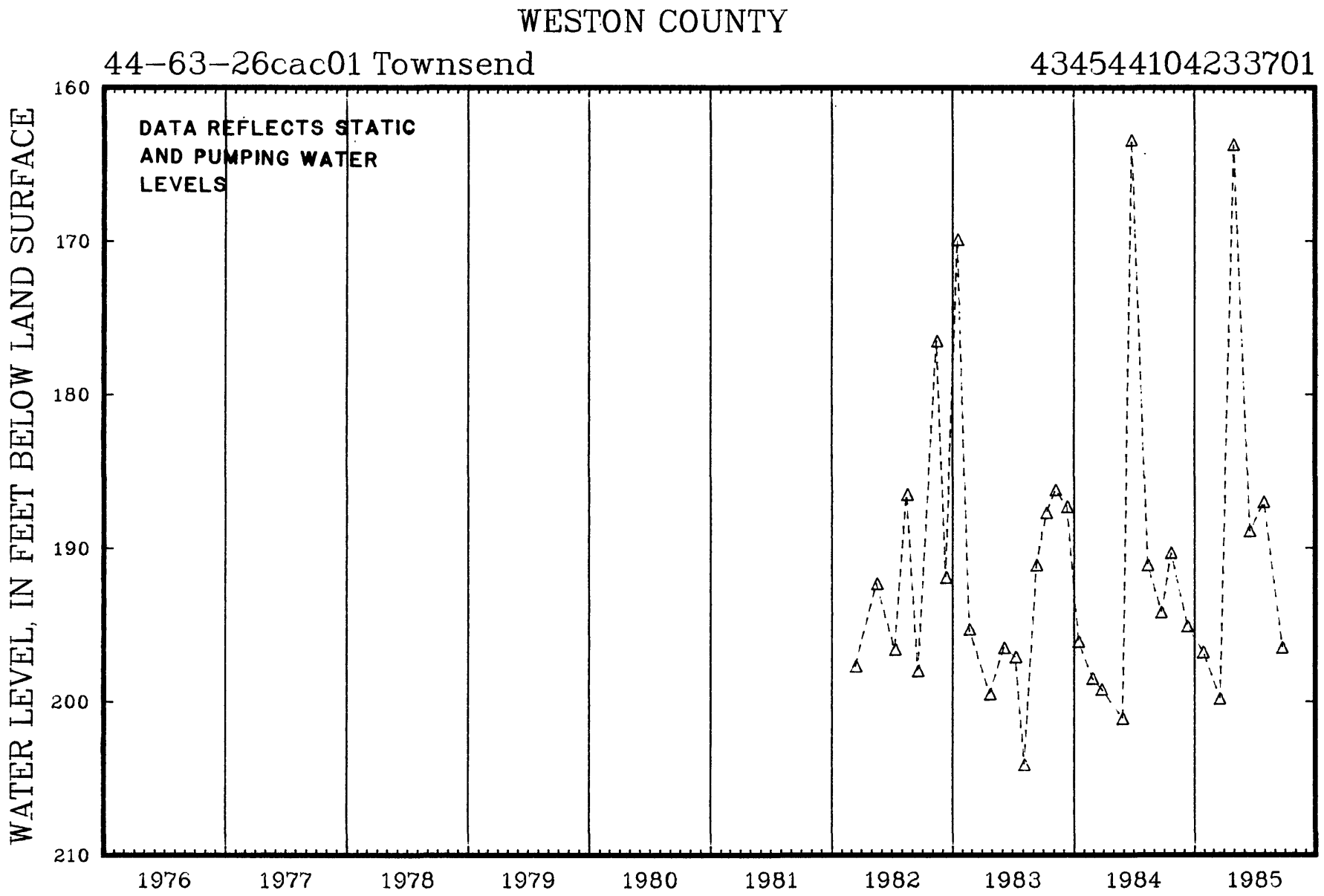


Figure 16.--Location of observation wells in Weston County, Wyoming.

Records of observation wells in Weston County, Wyoming, and highest and lowest recorded water levels, in feet below land surface.

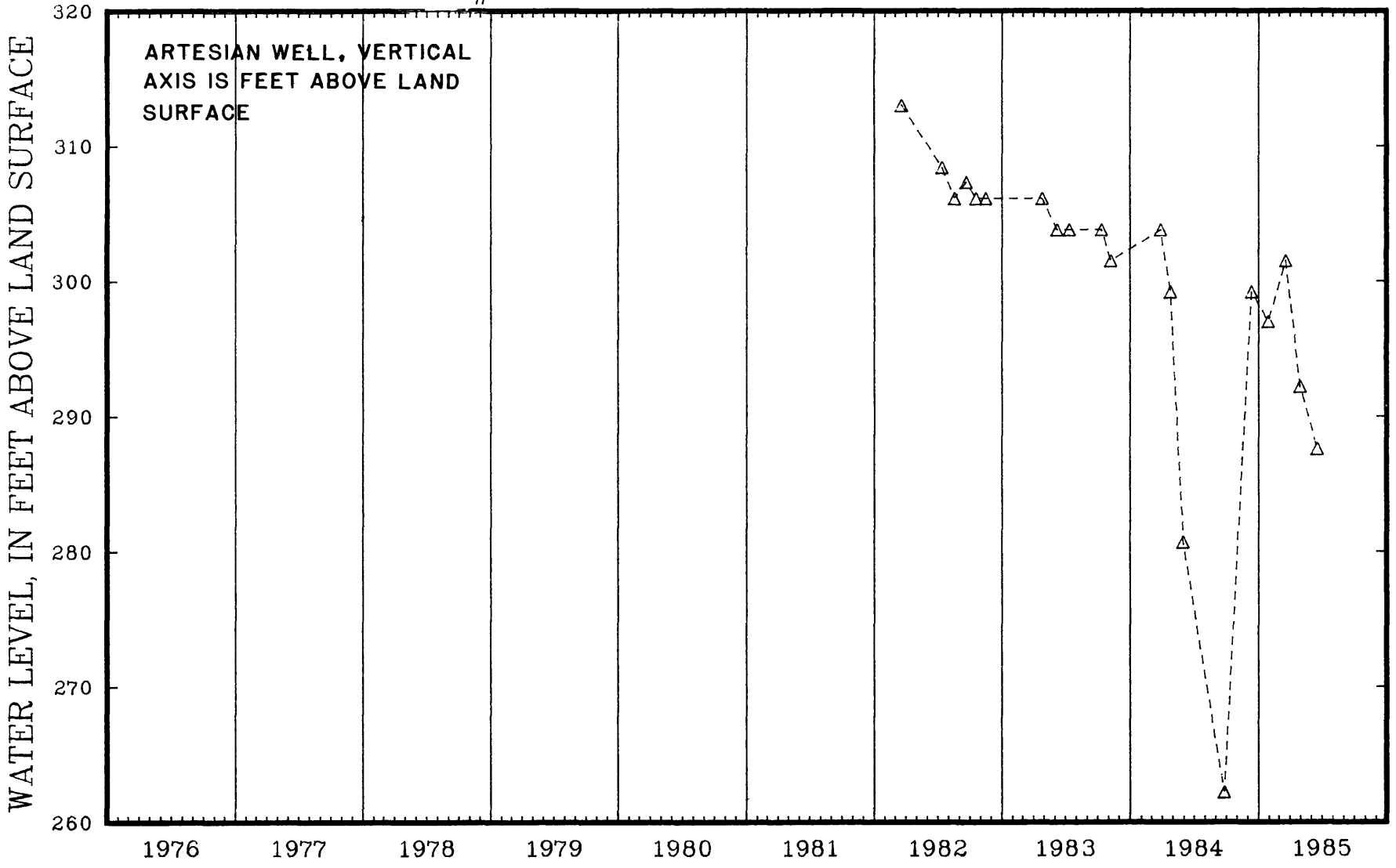
Well number	Well depth (ft)	Use of water	Geologic source	Records available (yr)	Water levels			
					Highest		Lowest	
					Level (ft)	Month-year	Level (ft)	Month-year
44-63-26cac01	6,881	H,S,I	331MDSN	1982-85	[1]163.48	06-84	[1,3]204.10	08-83
46-63-10cda01	3,135	N	331MDSN	1982-85	[1,5]313.07	03-82	[1,3]262.25	09-84
46-63-15add01	3,135	N	331MDSN	1982-85	[1,5]354.25	03-82	[1,3]325.38	04-85
46-66-25dbb01	8,780	U	331MDSN	1982-85	[1]1,075.05	01-82	[1]1,081.75	09-85
47-65-01bab01	3,310	P	331MDSN	1983-84	[1]53.54	04-83	[1,3]70.90	08-83
48-65-35ccb01	3,193	P	331MDSN	1982-85	[1]10.25	04-84	[1,3]218.50	07-83

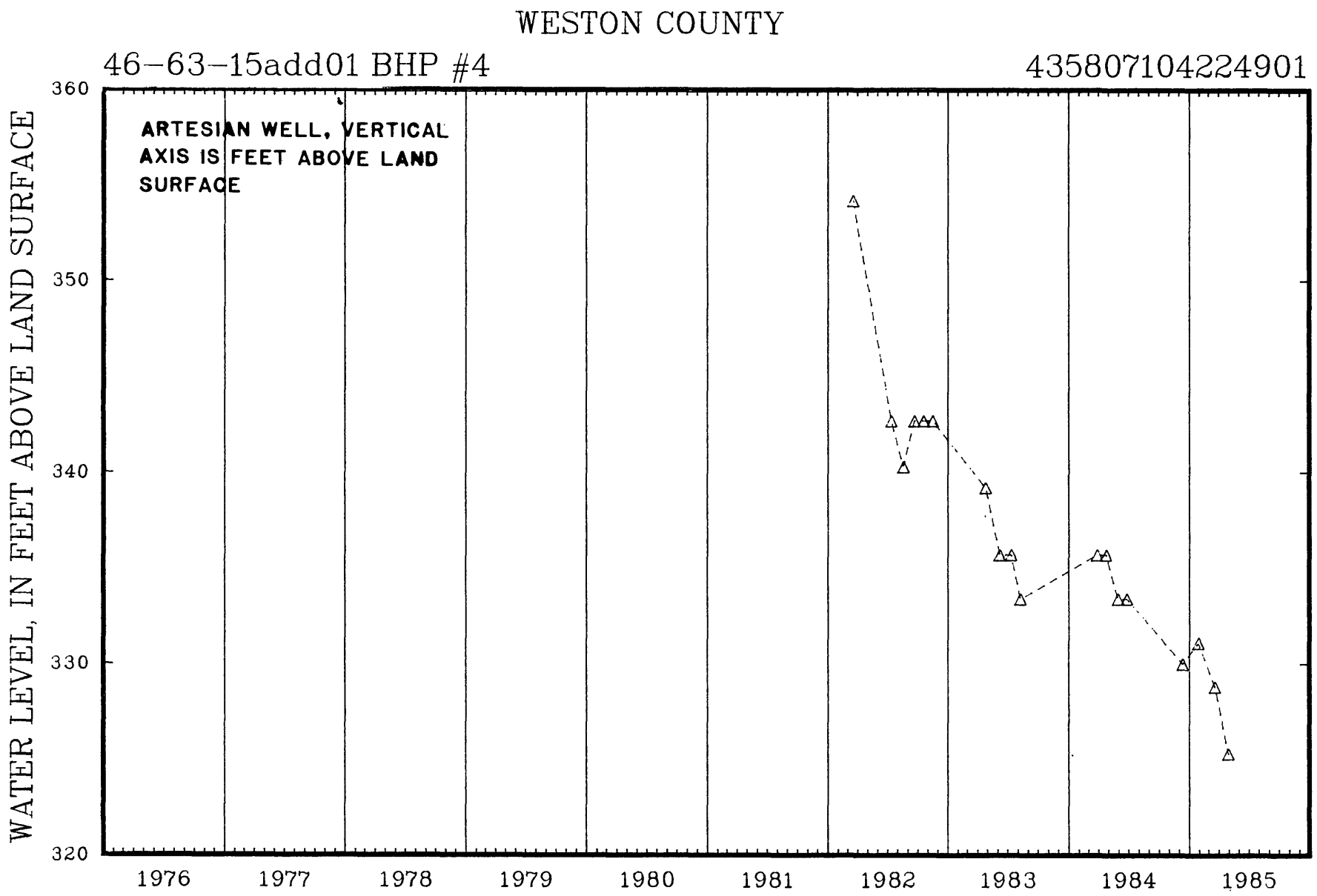
[1] From hand-measured data
[3] Well being pumped
[5] Artesian well; highest level is shut-in pressure converted to feet above land surface.

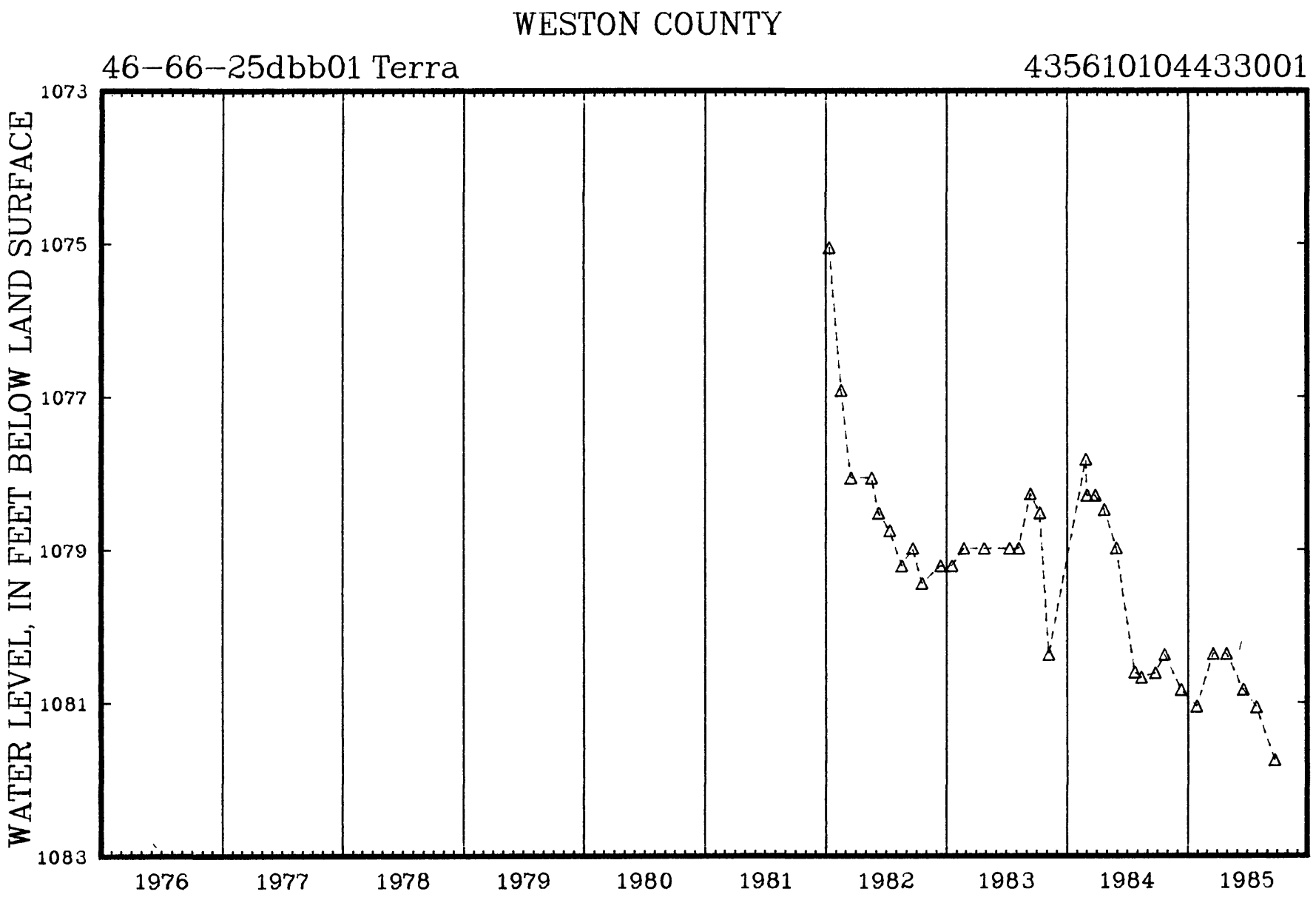

WESTON COUNTY
44-63-26cac01 Townsend
434544104233701
DATA REFLECTS STATIC
AND PUMPING WATER
LEVELS
WATER LEVEL, IN FEET BELOW LAND SURFACE
160
170
180
190
200
210
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985

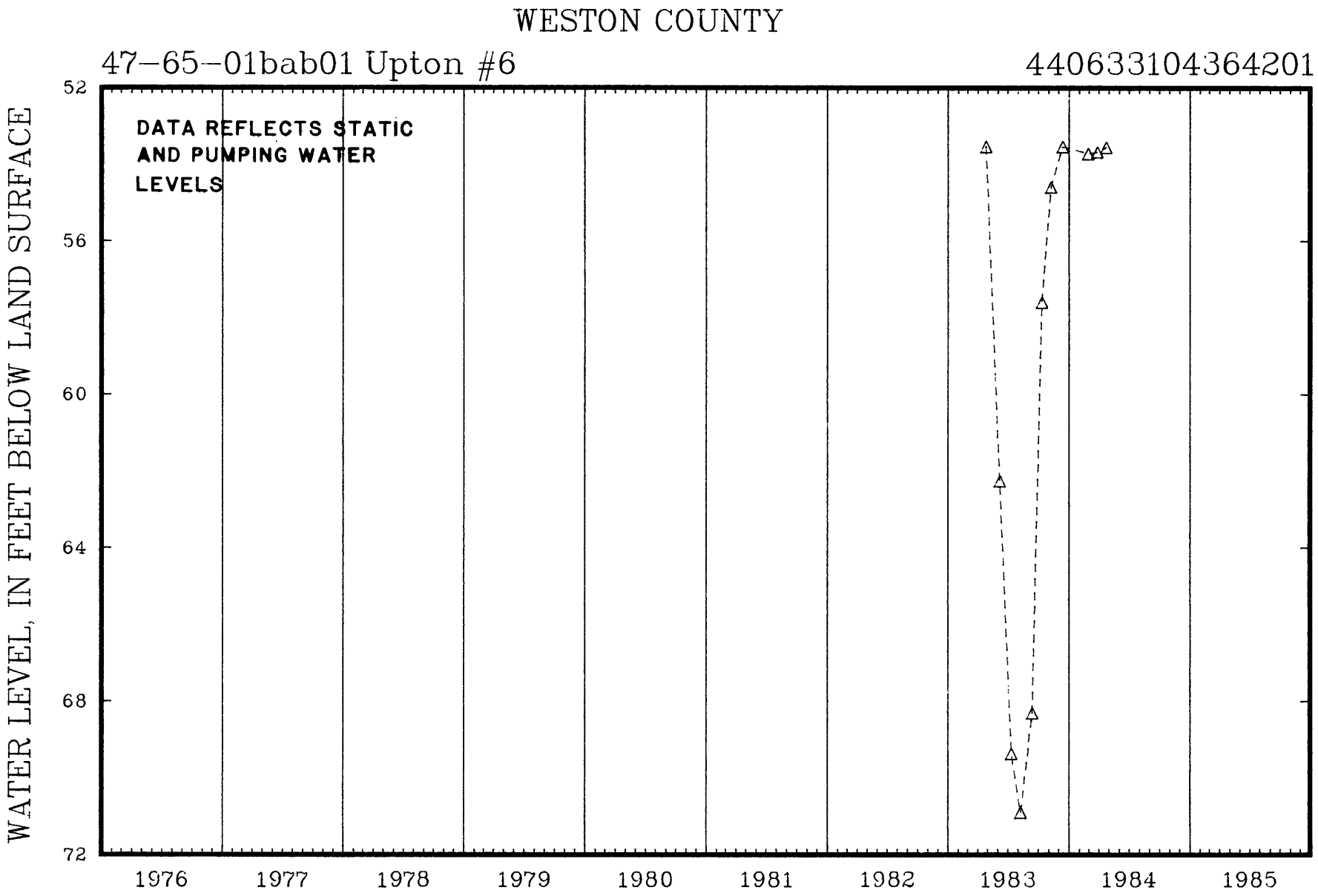
WESTON COUNTY

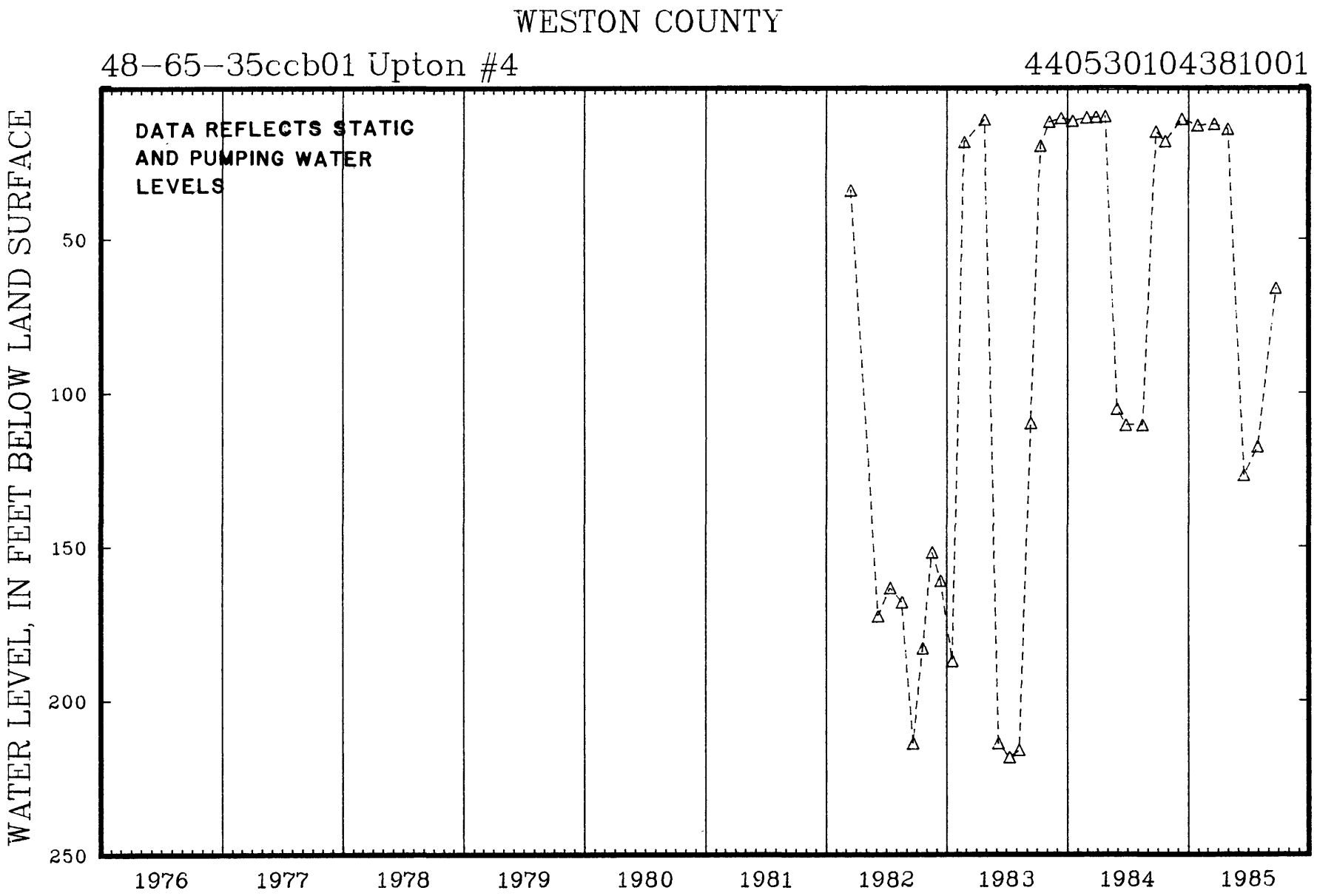
46-63-10cda01 BHP #3 435822104243101




WESTON COUNTY
46-63-15add01 BHP #4
435807104224901
ARTESIAN WELL, VERTICAL AXIS IS FEET ABOVE LAND SURFACE
WATER LEVEL, IN FEET ABOVE LAND SURFACE
360
350
340
330
320
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985


WESTON COUNTY
46-66-25dbb01 Terra
435610104433001
WATER LEVEL, IN FEET BELOW LAND SURFACE
1073
1075
1077
1079
1081
1083
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985


WESTON COUNTY
47-65-01bab01 Upton #6
440633104364201
DATA REFLECTS STATIC AND PUMPING WATER LEVELS
WATER LEVEL, IN FEET BELOW LAND SURFACE
52
56
60
64
68
72
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985



*U.S. GOVERNMENT PRINTING OFFICE: 1987-0-573-665/85019