

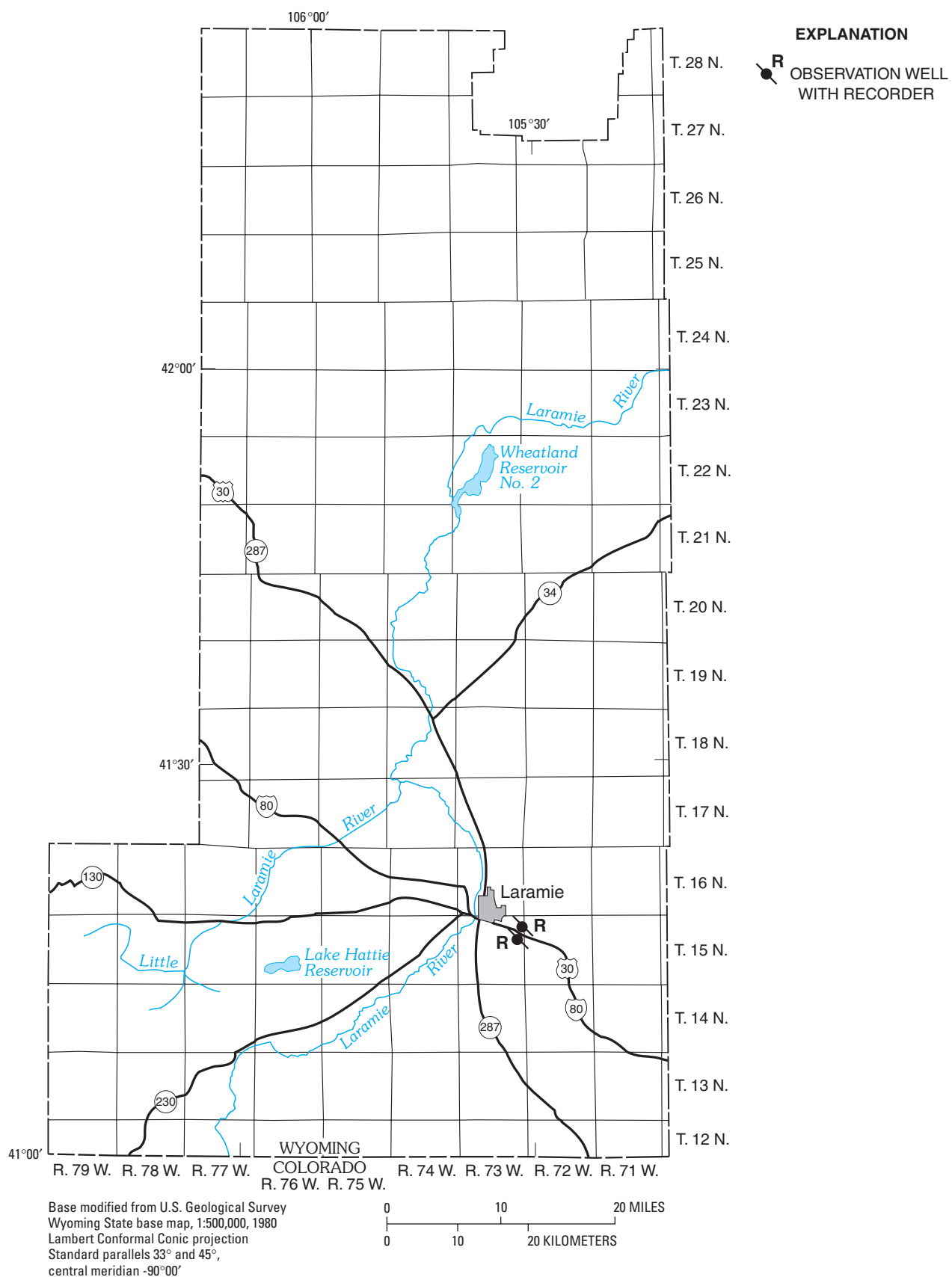


Figure 6. Location of observation wells in Albany County, Wyoming.

ALBANY COUNTY

IDENTIFICATION.--Station number, 411751105312701. Local number, 15-073-01dba01. Local name, Huntoon #1.

Location.--Lat 41° 17'51", long 105° 31'27", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.1, T.15 N., R.73 W., Hydrologic Unit 10180010.

Aquifer.--Casper Formation.

WELL CHARACTERISTICS.--Depth of well, 182 ft below land surface.

DATUM.--Elevation of land surface is 6,500 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 0.9 ft above land surface.

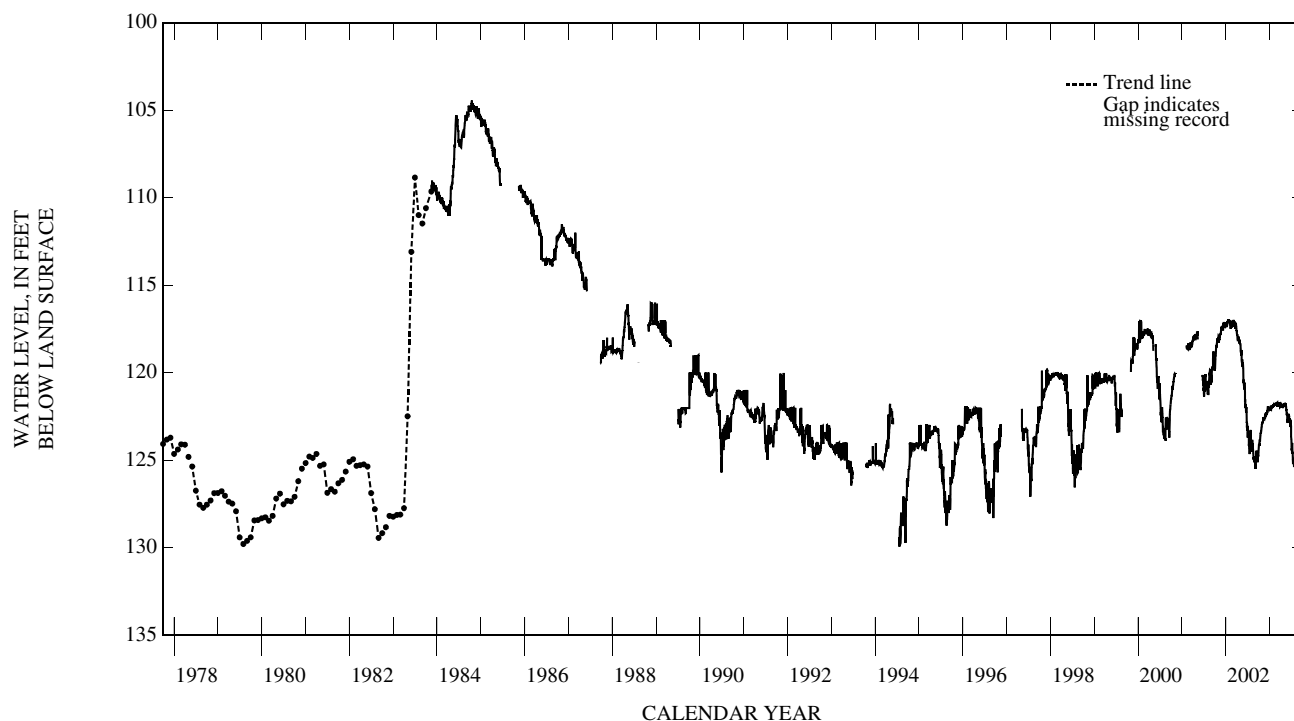
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 104.45 ft below land surface, Oct. 17, 1984; lowest, 129.95 ft below land surface, July 22, 1994.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	124.07	122.81	122.36	122.02	121.84	121.72	121.81	121.79	122.48	124.33	125.02	125.05
10	123.90	122.64	122.24	121.96	121.82	121.89	121.96	121.78	122.45	124.64	125.61	124.14
15	123.63	122.63	122.11	121.92	121.85	121.85	121.84	121.83	122.73	125.24	125.69	123.98
20	123.49	122.66	122.05	121.93	121.82	121.85	122.02	122.08	122.66	124.96	125.80	123.57
25	123.16	122.48	122.07	121.89	121.77	121.92	121.89	122.34	122.83	125.06	125.87	---
EOM	122.91	122.44	122.00	121.94	121.76	121.92	121.81	122.71	123.75	125.03	124.82	---
MIN	124.41	122.91	122.37	122.16	121.94	121.98	122.02	122.88	123.75	125.39	125.97	---
MAX	122.91	122.43	121.93	121.83	121.72	121.69	121.79	121.73	122.36	123.83	124.82	---



GROUND-WATER LEVELS

ALBANY COUNTY—Continued

IDENTIFICATION.--Station number, 411703105314001. Local number, 15-073-12dbb01. Local name, Huntoon #2.

LOCATION.--Lat 41° 17'03", long 105° 31'40", in NW 1/4 NW 1/4 SE 1/4 sec.12, T.15 N., R.73 W., Hydrologic Unit 10180010.

AQUIFER.--Casper Formation.

WELL CHARACTERISTICS.--Depth of well, 243 ft below land surface.

DATUM.--Elevation of land surface is 6,500 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.30 ft above land surface.

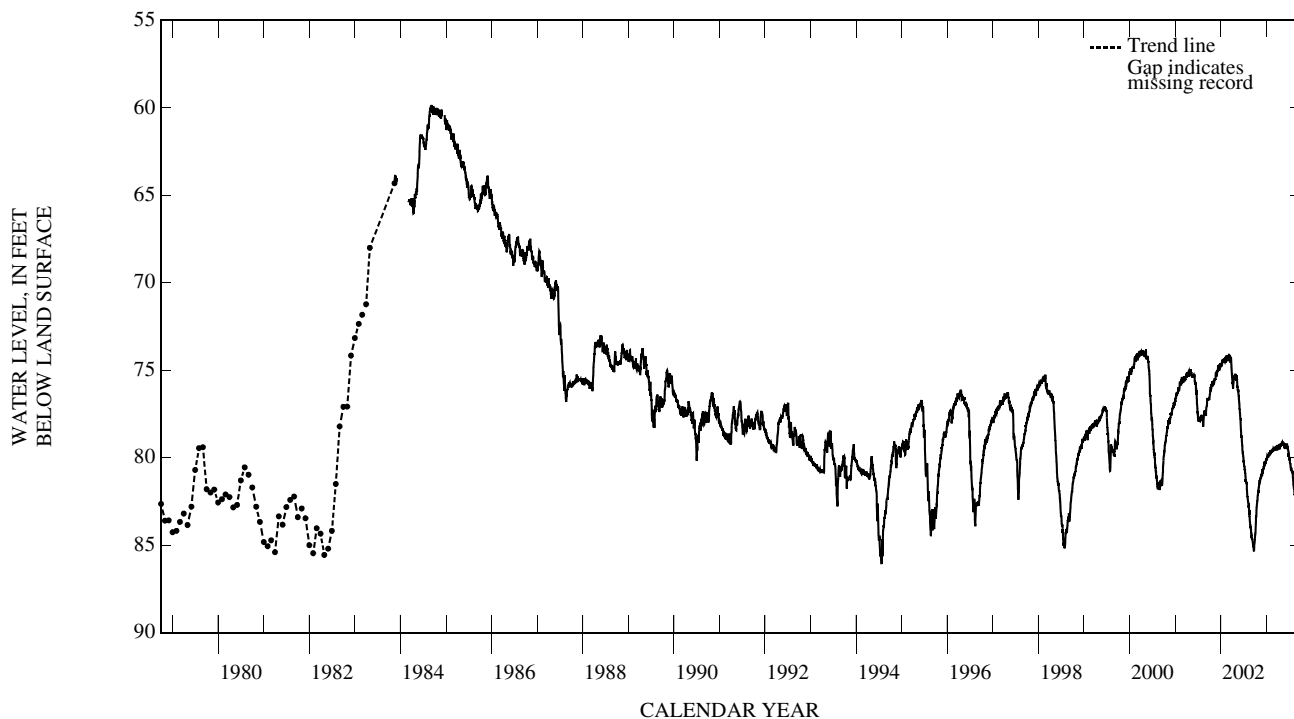
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 59.84 ft below land surface, Sept. 7, 1984; lowest, 86.08 ft below land surface, July 24, 1994.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	84.33	81.54	80.73	80.04	79.69	79.45	79.36	79.24	79.32	80.13	81.33	82.34
10	83.42	81.39	80.50	79.92	79.68	79.52	79.41	79.20	79.20	80.29	81.75	81.59
15	82.86	81.21	80.44	79.80	79.70	79.46	79.22	79.09	79.51	80.56	82.11	81.40
20	82.48	81.11	80.32	79.79	79.56	79.48	79.51	79.23	79.41	80.60	82.28	81.08
25	82.14	80.96	80.29	79.81	79.54	79.49	79.34	79.20	79.63	80.76	82.64	---
EOM	81.78	80.84	80.07	79.78	79.50	79.38	79.25	79.42	79.87	80.75	82.66	---
MIN	84.65	81.73	80.77	80.16	79.76	79.60	79.53	79.50	79.87	80.85	82.71	---
MAX	81.78	80.84	80.07	79.68	79.47	79.29	79.20	79.09	79.20	79.87	80.97	---



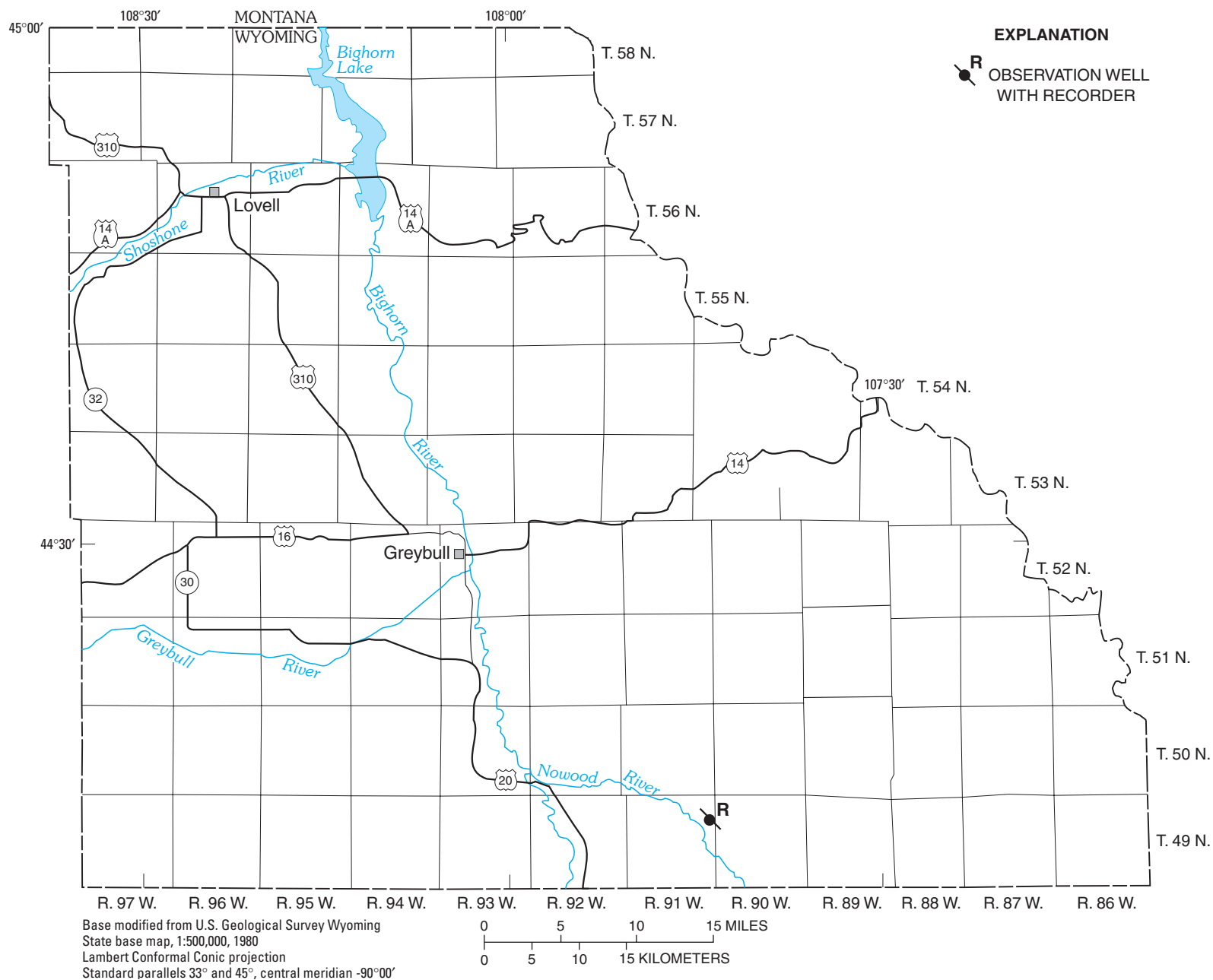


Figure 7. Location of observation well in Big Horn County, Wyoming.

BIG HORN COUNTY

IDENTIFICATION.--Station number, 441351107434701. Local number, 49-091-12dba01. Local name, Worland-1.

LOCATION.--Lat 44° 13' 53", long 107° 43' 41", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.49 N., R.91 W., Hydrologic Unit 10080008.

AQUIFER.--Madison Limestone.

WELL CHARACTERISTICS.--Depth of well, 2,730 ft below land surface.

DATUM.--Elevation of land surface is 4,421.7 ft above NGVD of 1929, from levels.

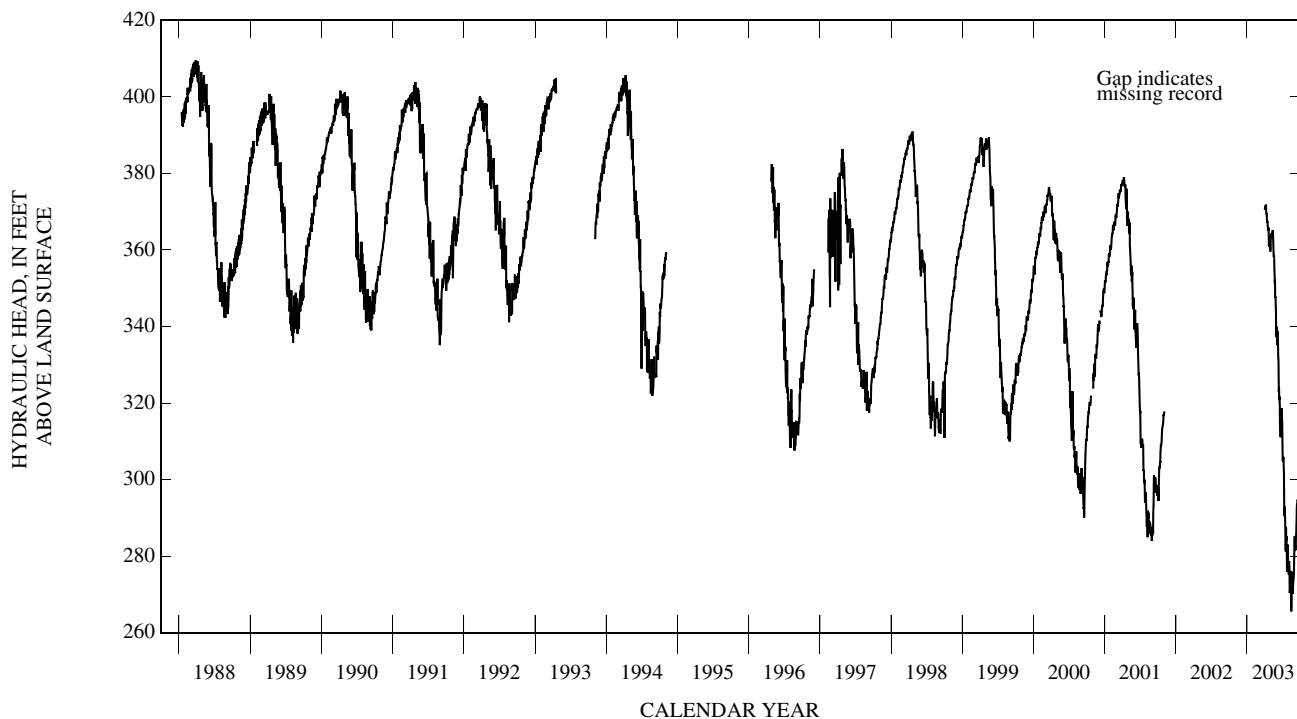
REMARKS.--Shut-in pressure was measured by pressure transducer and converted to hydraulic head above land surface for illustration purposes. Hydraulic head, in feet above land surface, was calculated by multiplying the shut-in pressure in pounds per square inch by 2.31. The accuracy of the hydraulic head measurements is 5.0 ft. Data collected by U.S. Geological Survey.

PERIOD OF RECORD.--1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest hydraulic head, 409.50 ft above land surface, Mar. 26, 1988; lowest, 245.20 ft above land surface, Aug. 13, 2003.

HYDRAULIC HEAD, IN FEET ABOVE LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	371.15	364.21	335.10	305.75	277.32	281.48
10	---	---	---	---	---	---	369.53	364.68	330.94	290.49	276.16	288.41
15	---	---	---	---	---	---	367.45	360.98	321.69	287.72	265.76	294.42
20	---	---	---	---	---	---	365.83	355.20	313.14	284.02	274.78	295.81
25	---	---	---	---	---	---	360.75	347.57	318.69	280.09	273.16	294.88
EOM	---	---	---	---	---	---	360.98	339.95	311.98	276.63	284.25	295.58
MAX	---	---	---	---	---	---	371.84	365.14	339.02	308.29	284.25	296.96
MIN	---	---	---	---	---	---	359.59	337.17	311.06	275.93	265.76	281.48



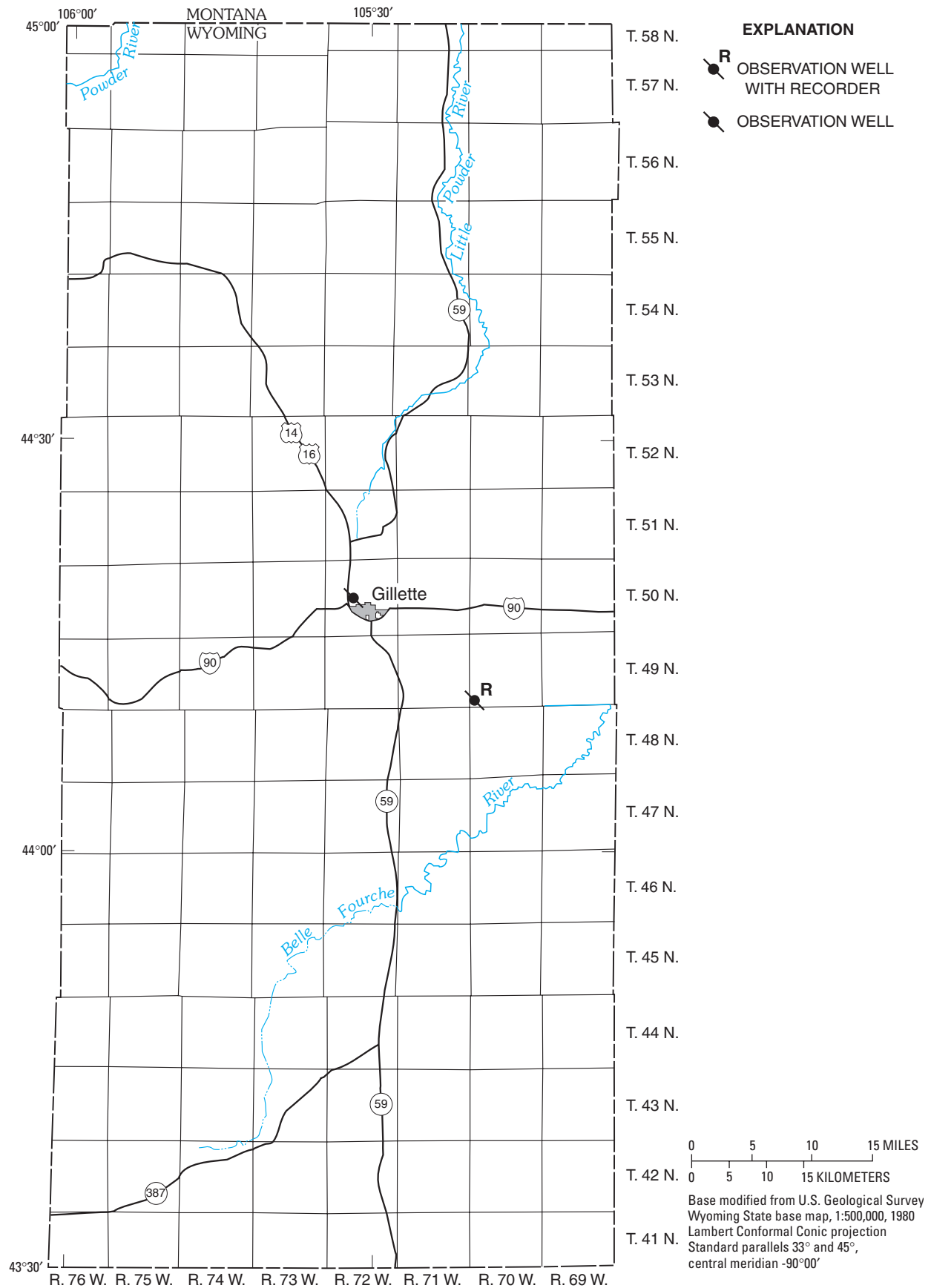


Figure 8. Location of observation wells in Campbell County, Wyoming.

GROUND-WATER LEVELS

CAMPBELL COUNTY

IDENTIFICATION.-- Station number, 441117105192901. Local number, 49-070-31bbb01. Local name, Hampshire-1.

LOCATION.--Lat 44° 11'17", long 105° 19'29", in NW¹/₄ NW¹/₄ NW¹/₄ sec.31, T.49 N., R.70 W., Hydrologic Unit 10120201.

AQUIFER.--Fox Hills Formation.

WELL CHARACTERISTICS.--Depth of well, 3,750 ft below land surface.

DATUM.--Elevation of land surface is 4,620 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.60 ft above land surface.

REMARKS.--Because of the extreme depths to water and well construction, the accuracy of water-level measurements is 4.0 ft.

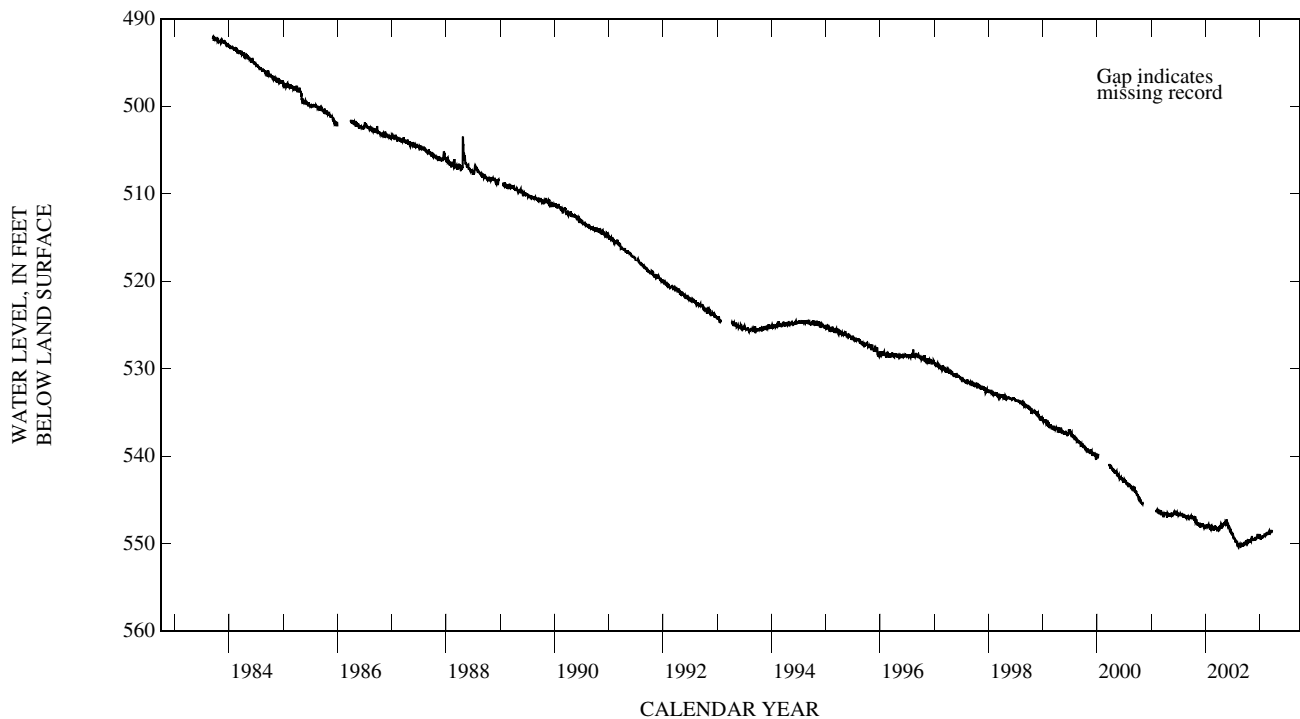
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1983 to March 26, 2004 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 491.98 ft below land surface, Sept. 17, 1983; lowest, 550.43 ft below land surface, Aug. 17, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	549.79	549.49	549.48	549.30	549.04	548.54	---	---	---	---	---	---
10	549.66	549.29	549.23	549.34	548.90	548.79	---	---	---	---	---	---
15	549.82	549.52	549.07	549.21	548.98	548.64	---	---	---	---	---	---
20	549.69	549.63	549.21	549.14	548.90	548.67	---	---	---	---	---	---
25	549.65	549.38	549.29	549.19	548.90	548.55	---	---	---	---	---	---
EOM	549.78	549.48	549.08	549.11	548.74	---	---	---	---	---	---	---
MIN	549.96	549.74	549.51	549.50	549.10	---	---	---	---	---	---	---
MAX	549.55	549.11	548.86	549.03	548.74	---	---	---	---	---	---	---



CAMPBELL COUNTY—Continued

IDENTIFICATION.--Station number, 441819105305701. Local number, 50-072-21aba01. Local name, Gillette H-13.

LOCATION.--Lat 44° 18' 19", long 105° 30' 57", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 21, T. 50 N., R. 72 W., Hydrologic Unit 10120201.

AQUIFER.--Wasatch Formation.

WELL CHARACTERISTICS.--Depth of well, 320 ft below land surface.

DATUM.--Elevation of land surface is 4,500 ft above sea level, from topographic map. Measuring point: top of casing, 6.35 ft below land surface.

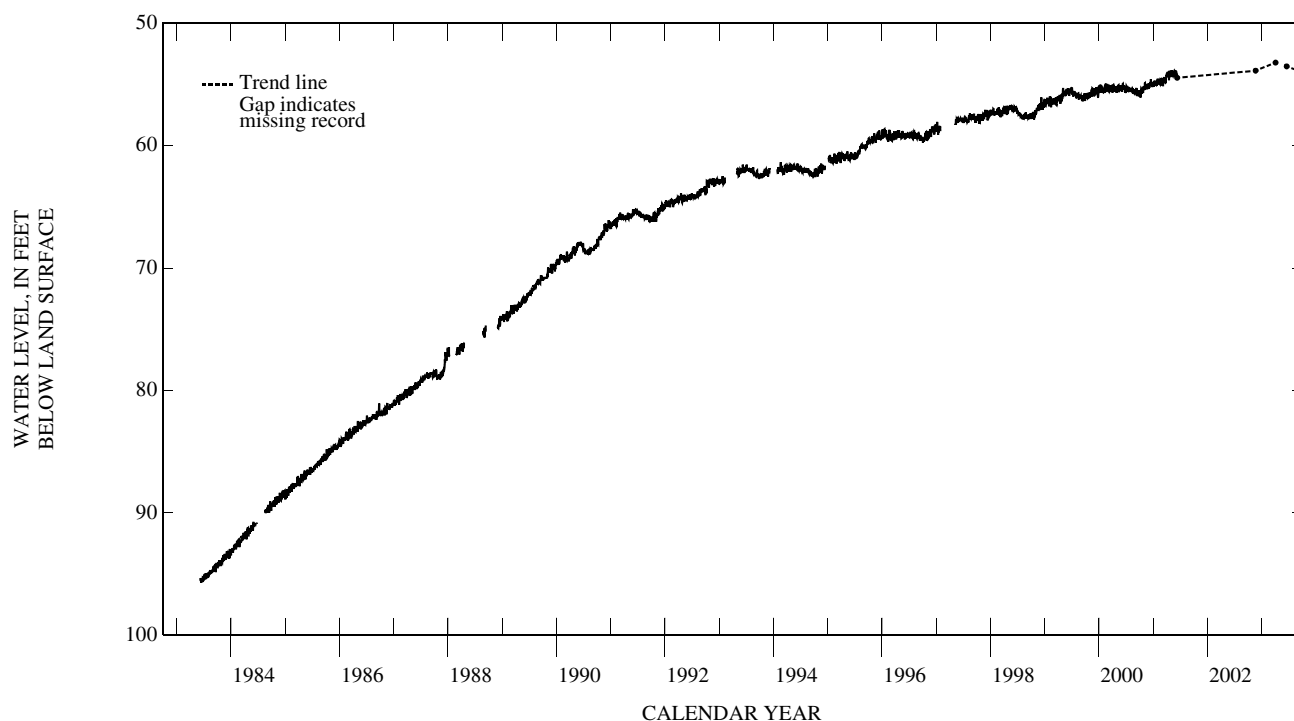
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 53.23 ft below land surface, Apr. 3, 2003; lowest, 95.71 ft below land surface, June 14, 1983.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 20	53.89	APR 03	53.23	JUN 17	53.54	SEP 18	53.96
WATER YEAR 2003		HIGHEST	53.23	APR 03, 2003	LOWEST	53.96	SEP 18, 2003



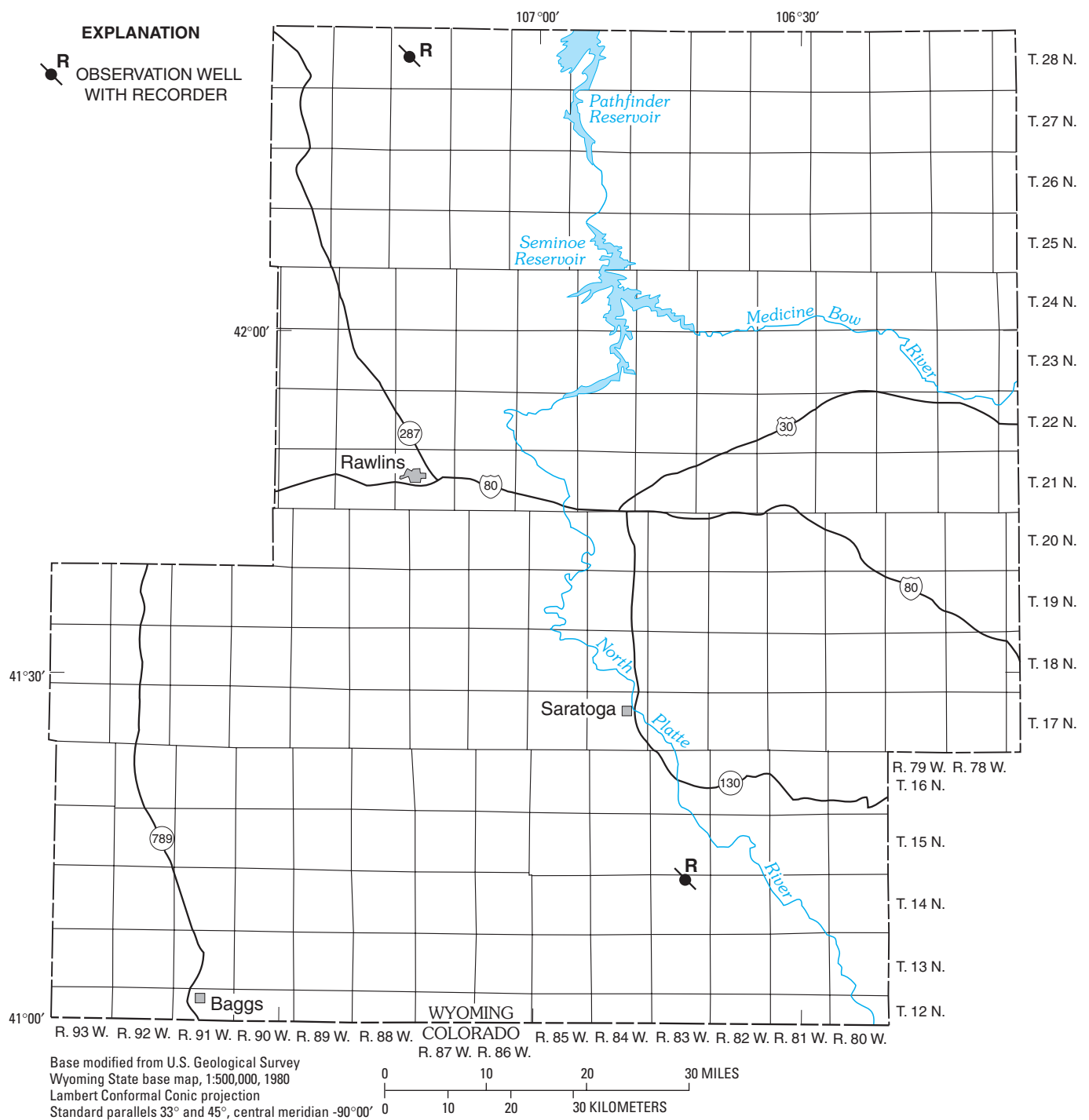


Figure 9. Location of observation wells in Carbon County, Wyoming.

CARBON COUNTY

IDENTIFICATION.--Station number, 411234106424601. Local number, 14-083-03cab01. Local name, Helmer South.

LOCATION.--Lat 41° 12'34", long 106° 42'46", in NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.3, T.14 N., R.83 W., Hydrologic Unit 10180002.

AQUIFER.--Browns Park Formation (formerly North Park Formation).

WELL CHARACTERISTICS.--Depth of well, 58 ft below land surface.

DATUM.--Elevation of land surface is 7,245 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 5.40 ft below land surface.

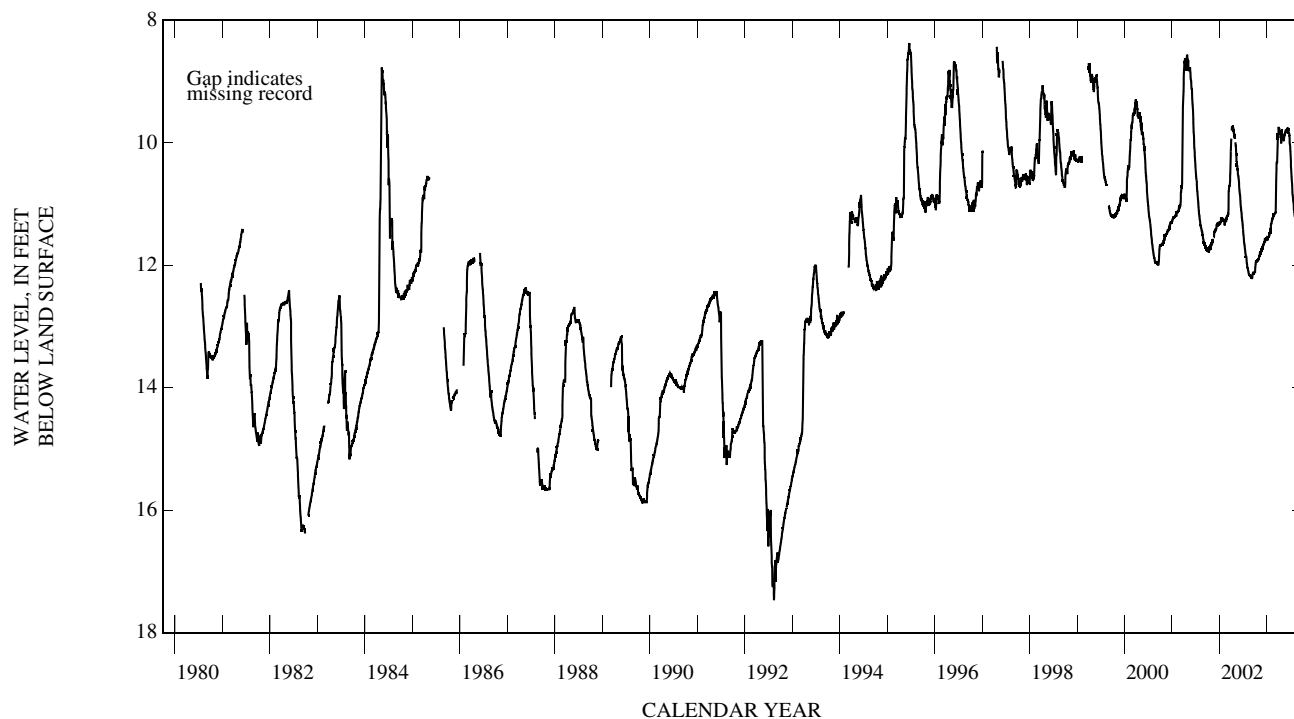
REMARKS.--Data collected by U.S. Geological Survey.

PERIOD OF RECORD.--1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.37 ft below land surface, June 20, 1995; lowest, 17.47 ft below land surface, Aug. 13, 1992.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.99	11.84	11.67	11.56	11.31	11.14	9.76	9.92	9.82	10.38	11.22	11.69
10	11.93	11.81	11.63	11.54	11.25	11.13	9.81	9.96	9.76	10.58	11.38	11.71
15	11.93	11.79	11.60	11.52	11.23	10.42	9.85	9.87	9.80	10.79	11.52	11.74
20	11.93	11.77	11.58	11.49	11.19	10.32	10.01	9.85	9.84	10.90	11.59	11.73
25	11.91	11.73	11.58	11.46	11.17	9.95	9.80	9.80	9.99	11.00	11.61	11.76
EOM	11.87	11.71	11.56	11.38	11.17	9.77	9.86	9.79	10.12	11.14	11.66	11.77
MIN	12.11	11.87	11.68	11.60	11.33	11.17	10.01	9.96	10.12	11.14	11.66	11.77
MAX	11.87	11.71	11.56	11.38	11.17	9.77	9.74	9.79	9.76	10.14	11.17	11.66



GROUND-WATER LEVELS
CARBON COUNTY—Continued

IDENTIFICATION.--Station number, 422338107145001. Local number, 28-087-16cca01. Local name, Split Rock #2.

LOCATION.--Lat 42° 23' 38", long 107° 14' 50", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 16, T. 28 N, R. 87 W., Hydrologic Unit 10180006.

AQUIFER.--White River Formation (formerly Arikaree Formation).

WELL CHARACTERISTICS.--Depth of well, 812 ft below land surface.

DATUM.--Elevation of land surface is 6,000 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.95 ft above land surface.

REMARKS.--The record from a twenty-day pumping test conducted in September and October 1981 is not shown on the hydrograph.

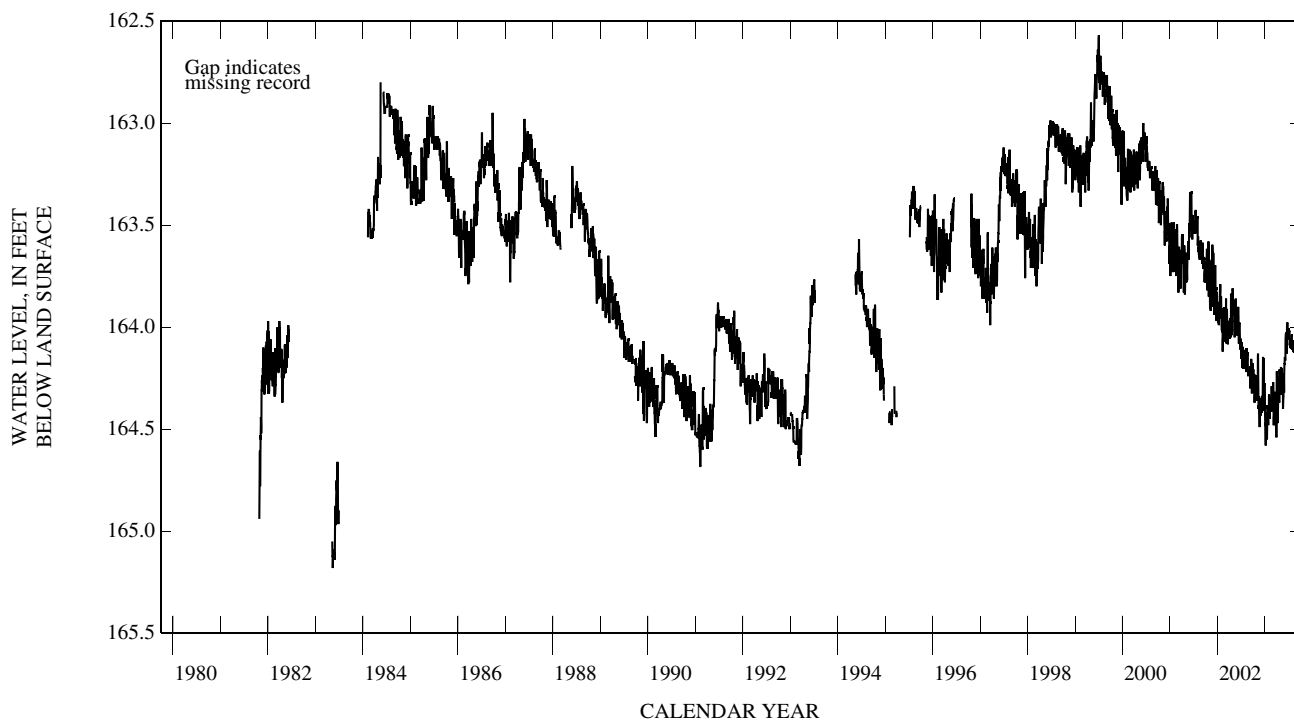
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 162.57 ft below land surface, July 3, 1999; lowest, 182.66 ft below land surface, Oct. 16, 1981, affected by pumping test.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	164.23	164.27	164.42	164.47	164.38	164.28	164.33	164.20	164.15	164.03	164.07	164.16
10	164.24	164.16	164.36	164.45	164.36	164.48	164.45	164.22	164.04	164.08	164.12	164.04
15	164.31	164.39	164.29	164.42	164.37	164.40	164.25	164.25	164.11	164.07	164.12	164.15
20	164.28	164.44	164.32	164.40	164.41	164.40	164.36	164.40	163.99	164.10	164.10	164.15
25	164.27	164.39	164.39	164.45	164.40	164.40	164.25	164.23	164.00	164.04	164.15	164.19
EOM	164.32	164.43	164.32	164.43	164.36	164.41	164.31	164.18	164.04	164.08	164.17	164.25
MIN	164.37	164.49	164.42	164.58	164.45	164.54	164.47	164.40	164.18	164.11	164.17	164.25
MAX	164.21	164.13	164.15	164.33	164.29	164.27	164.21	164.18	163.98	164.01	164.07	164.04



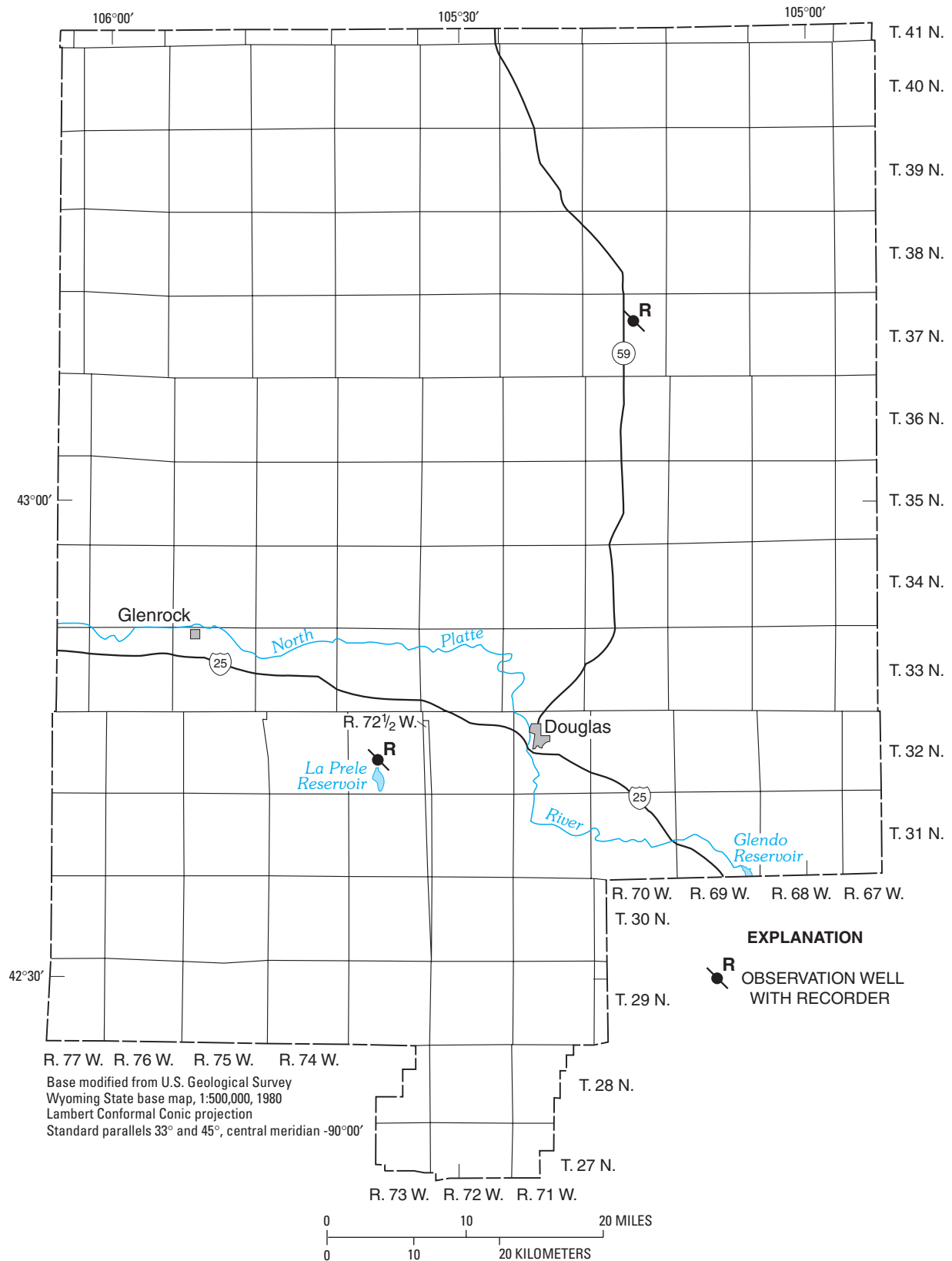


Figure 10. Location of observation wells in Converse County, Wyoming.

GROUND-WATER LEVELS

CONVERSE COUNTY

IDENTIFICATION.-- Station number, 424420105364201. Local number, 32-073-16cdb01. Local name, Natural Bridge East.

LOCATION.--Lat 42° 44'20", long 105° 36'42", in NW¹/₄ SE¹/₄ SW¹/₄ sec.16, T.32 N., R.73 W., Hydrologic Unit 10180007.

AQUIFER.--Casper Formation.

WELL CHARACTERISTICS.--Depth of well, 220 ft below land surface.

DATUM.--Elevation of land surface is 5,316.4 ft above NGVD of 1929, from levels. Measuring point: top of casing, 1.70 ft above land surface.

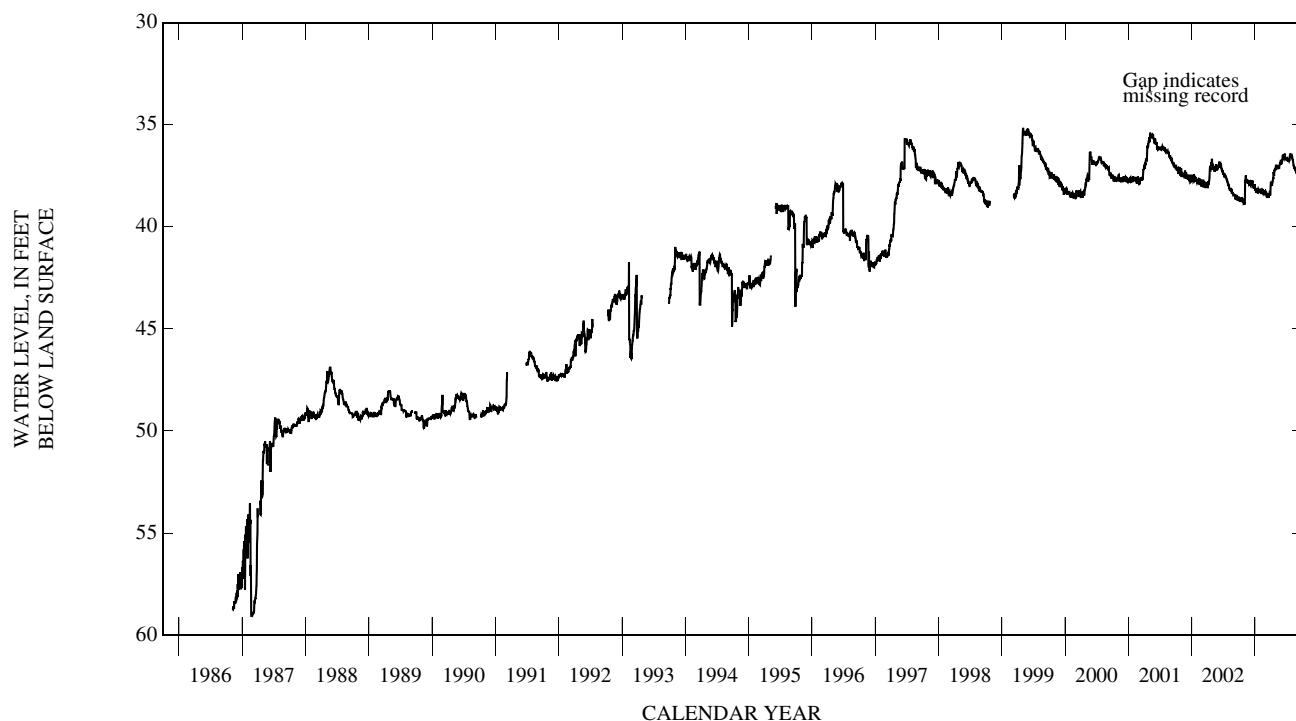
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 35.19 ft below land surface, May 3, 4, 1999; lowest, 59.12 ft below land surface, Feb. 21, 1987.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	38.67	37.77	37.95	38.19	38.29	38.31	37.86	37.05	36.85	36.71	36.71	37.41
10	38.62	37.68	37.84	38.21	38.21	38.50	37.87	37.14	36.50	36.81	36.99	37.37
15	38.64	37.79	37.85	38.10	38.41	38.42	37.58	36.98	36.57	36.74	37.15	37.52
20	38.69	37.89	37.93	38.17	38.28	38.49	37.50	37.07	36.45	36.53	37.20	37.64
25	38.71	37.78	38.05	38.27	38.35	38.39	37.19	36.87	36.70	36.45	37.31	37.80
EOM	38.88	37.90	38.02	38.27	38.34	38.05	37.14	36.85	36.66	36.50	37.40	38.00
MIN	38.88	38.92	38.12	38.37	38.44	38.59	37.99	37.20	36.87	36.81	37.43	38.00
MAX	38.58	37.48	37.73	38.10	38.13	38.05	37.12	36.85	36.45	36.44	36.55	37.35



CONVERSE COUNTY—Continued

IDENTIFICATION.--Station number, 431140105151901. Local number, 37-070-10cbb01. Local name, Bill #6.

LOCATION.--Lat 43° 11'40", long 105° 15'19", in NW¹/₄ NW¹/₄ SW¹/₄ sec.10, T.37 N., R.70 W., Hydrologic Unit 10120105.

AQUIFER.--Wasatch Formation.

WELL CHARACTERISTICS.--Depth of well, 268 ft below land surface.

DATUM.--Elevation of land surface is 4,720 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 0.40 ft above land surface.

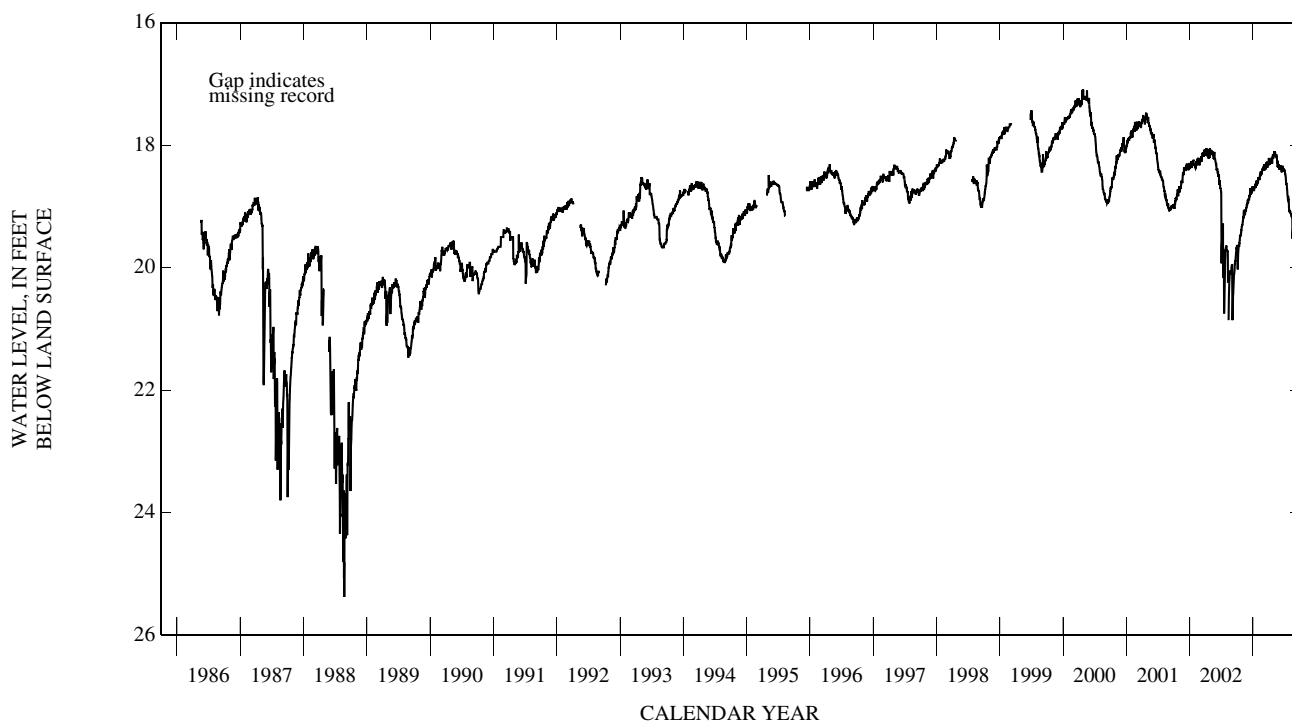
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

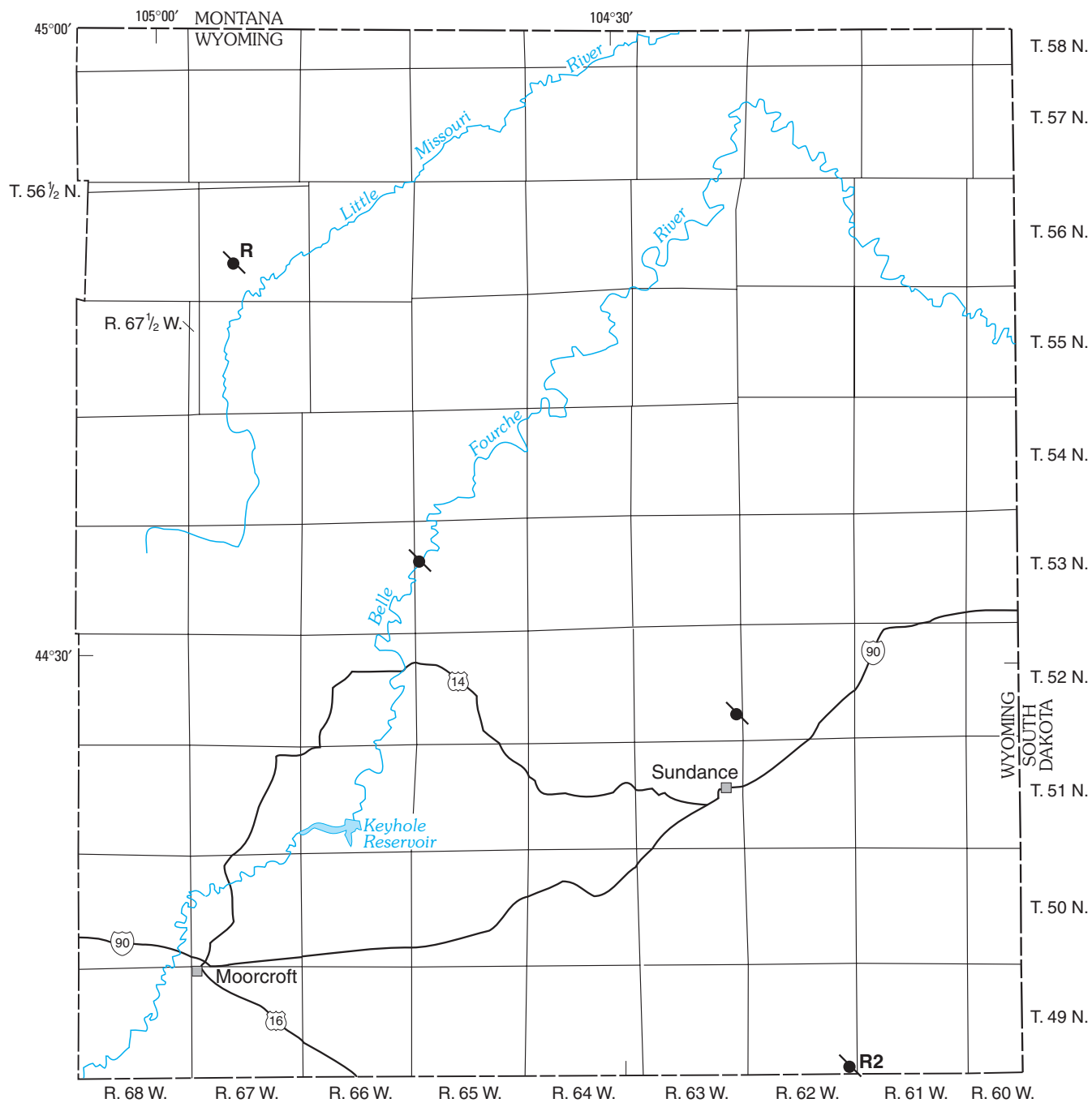
PERIOD OF RECORD.--1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 17.09 ft below land surface, Apr. 23, 25, 2000; lowest, 25.38 ft below land surface, Aug. 31, 1988.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	19.90	19.18	18.89	18.71	18.54	18.31	18.27	18.13	18.40	18.47	19.12	19.18
10	19.62	19.10	18.82	18.69	18.47	18.39	18.27	18.18	18.33	18.60	19.16	19.14
15	19.56	19.13	18.78	18.63	18.50	18.37	18.22	18.17	18.43	18.71	19.19	19.06
20	19.47	19.09	18.76	18.59	18.44	18.34	18.30	18.26	18.35	18.85	19.34	19.04
25	19.39	18.98	18.76	18.63	18.39	18.34	18.15	18.32	18.39	18.90	19.28	19.01
EOM	19.31	18.96	18.68	18.57	18.36	18.27	18.16	18.38	18.41	19.07	19.26	19.05
MIN	20.03	19.29	18.94	18.75	18.57	18.40	18.32	18.38	18.43	19.08	19.53	19.24
MAX	19.30	18.95	18.67	18.56	18.36	18.27	18.15	18.10	18.33	18.40	19.08	18.98





Base modified from U.S. Geological Survey
 Wyoming State base map, 1:500,000, 1980
 Lambert Conformal Conic projection
 Standard parallels 33° and 45°, central meridian -90°00'

0 5 10 MILES
 0 5 10 KILOMETERS

EXPLANATION

- ² OBSERVATION WELL--
 Number near well
 is number of wells
 at that location
- ^R OBSERVATION WELL
 WITH RECORDER

Figure 11. Location of observation wells in Crook County, Wyoming.

CROOK COUNTY

IDENTIFICATION.--Station number, 44113104151001. Local number, 49-062-36cbb01. Local name, Inyan Kara Mountain CCMOW6.

LOCATION.--Lat 44° 11'13", long 104° 15'10", in NW¹/₄ NW¹/₄ SW¹/₄ sec.36, T.49 N., R.62 W., Hydrologic Unit 10120201.

AQUIFER.--Madison Formation.

WELL CHARACTERISTICS.--Depth of well, 1,280 ft below land surface.

DATUM.--Elevation of land surface is 5,403 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 0.60 ft above land surface.

REMARKS.--This well was included in the cooperative program between the Wyoming State Engineer's Office and the U.S. Geological Survey cooperative program on Oct. 1, 1997. Data prior to Oct. 1, 1997 is available from the Wyoming State Engineer's Office. The accuracy of the water level measurements is 5.0 feet.

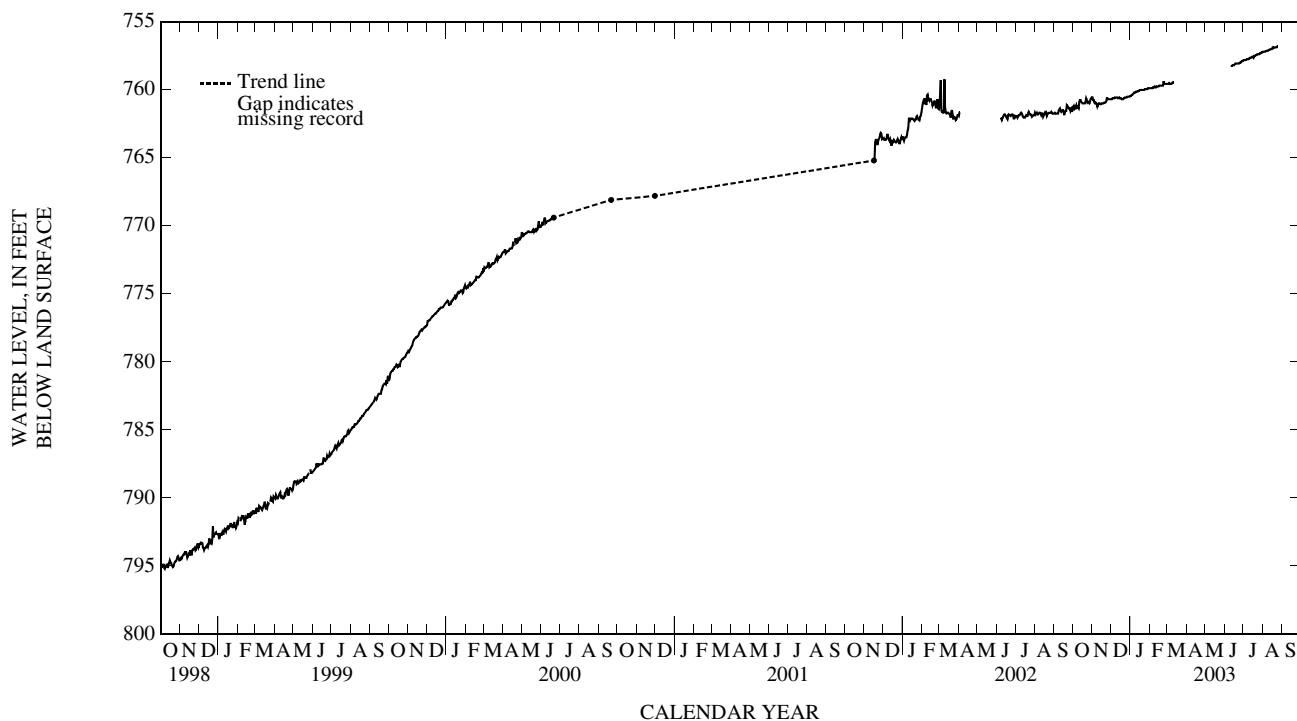
COOPERATION.--Data collected by the Wyoming State Engineer's Office and compiled and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 756.64 ft below land surface, Aug. 26, 2003; lowest, 840.05 ft below land surface, Apr. 22, 1995.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	761.25	761.00	760.63	760.32	759.88	759.57	---	---	---	757.82	757.20	---
10	761.38	761.13	760.57	760.13	759.82	759.45	---	---	---	757.70	757.07	---
15	760.94	761.06	760.63	760.07	759.76	---	---	---	758.19	757.57	757.01	---
20	761.00	760.94	760.70	760.01	759.70	---	---	---	758.07	757.51	756.89	---
25	760.88	760.63	760.57	759.95	759.57	---	---	---	758.01	757.39	756.82	---
EOM	760.56	760.70	760.51	759.88	759.57	---	---	---	757.89	757.26	---	---
MIN	761.44	761.25	760.70	760.45	759.88	---	---	---	---	757.82	---	---
MAX	760.56	760.56	760.51	759.88	759.38	---	---	---	---	757.26	---	---



CROOK COUNTY—Continued

IDENTIFICATION.--Station number, 441113104151002. Local number, 49-062-36cbb02. Local name, Inyan Kara Mountain CCMOW6A.

LOCATION.--Lat 44° 11'13", long 104° 15'10", in NW¹/₄ NW¹/₄ SW¹/₄ sec.36, T.49 N., R.62 W., Hydrologic Unit 10120201.

AQUIFER.--Minnelusa Formation.

WELL CHARACTERISTICS.--Depth of well, 500 ft below land surface.

DATUM.--Elevation of land surface is 5,403 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 0.90 ft above land surface.

REMARKS.--This well was included in the Wyoming State Engineer's Office/U.S. Geological Survey cooperative program on Oct. 1, 1997. Data prior to Oct. 1, 1997 is available from the Wyoming State Engineer's Office.

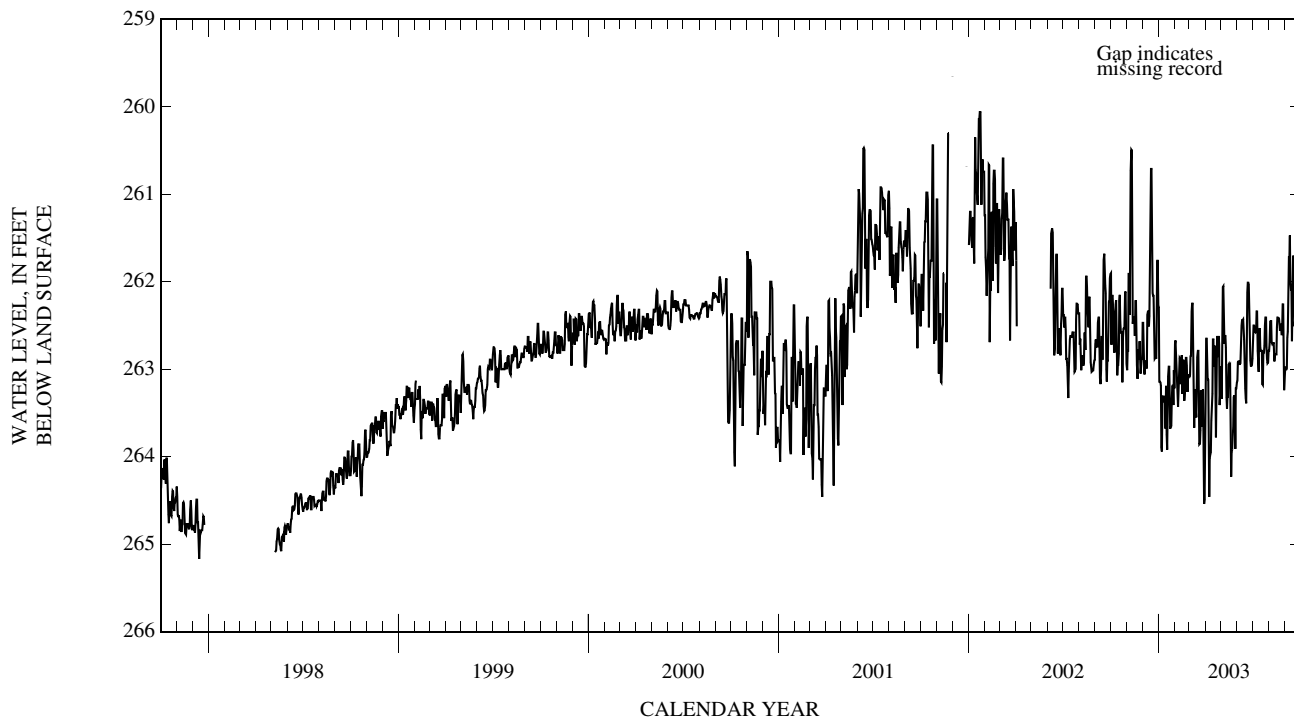
COOPERATION.--Data collected by the Wyoming State Engineer's Office and compiled and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 261.94 ft below land surface, Sept. 9, 2000; lowest, 267.30 ft below land surface, Mar. 1, 1995.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	262.29	261.91	263.05	263.19	263.10	262.34	263.11	262.05	262.94	262.57	262.45	262.64
10	262.26	260.50	262.38	263.35	262.87	263.67	263.97	262.75	262.44	262.79	262.70	261.47
15	262.95	262.45	261.96	263.19	263.28	263.29	262.66	262.95	262.88	262.75	262.83	262.45
20	262.59	262.95	262.13	262.97	263.26	263.86	263.51	264.23	262.12	263.18	262.42	262.43
25	262.54	262.68	262.87	263.64	263.26	263.66	262.86	263.32	262.48	262.41	262.60	262.35
EOM	262.94	262.89	262.28	263.22	263.07	263.54	262.98	263.15	262.88	262.79	263.08	263.09
MIN	263.15	263.11	263.05	263.94	263.43	264.54	264.46	264.23	263.39	263.18	263.24	263.09
MAX	261.90	260.49	260.71	262.29	262.67	262.25	262.62	262.05	262.01	262.34	262.26	261.47



CROOK COUNTY—Continued

IDENTIFICATION.--Station number, 442739104214601. Local number, 52-063-25dcd01. Local name, Cole #3A.

LOCATION.--Lat 44° 27' 39", long 104° 21' 46", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 25, T.52 N., R.63 W., Hydrologic Unit 10120203.

AQUIFER.--Madison Limestone.

WELL CHARACTERISTICS.--Depth of well, 1,120 ft below land surface.

DATUM.--Elevation of land surface is 4,740 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 2.0 ft above land surface.

REMARKS.--Data reflect static and pumping water levels.

COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

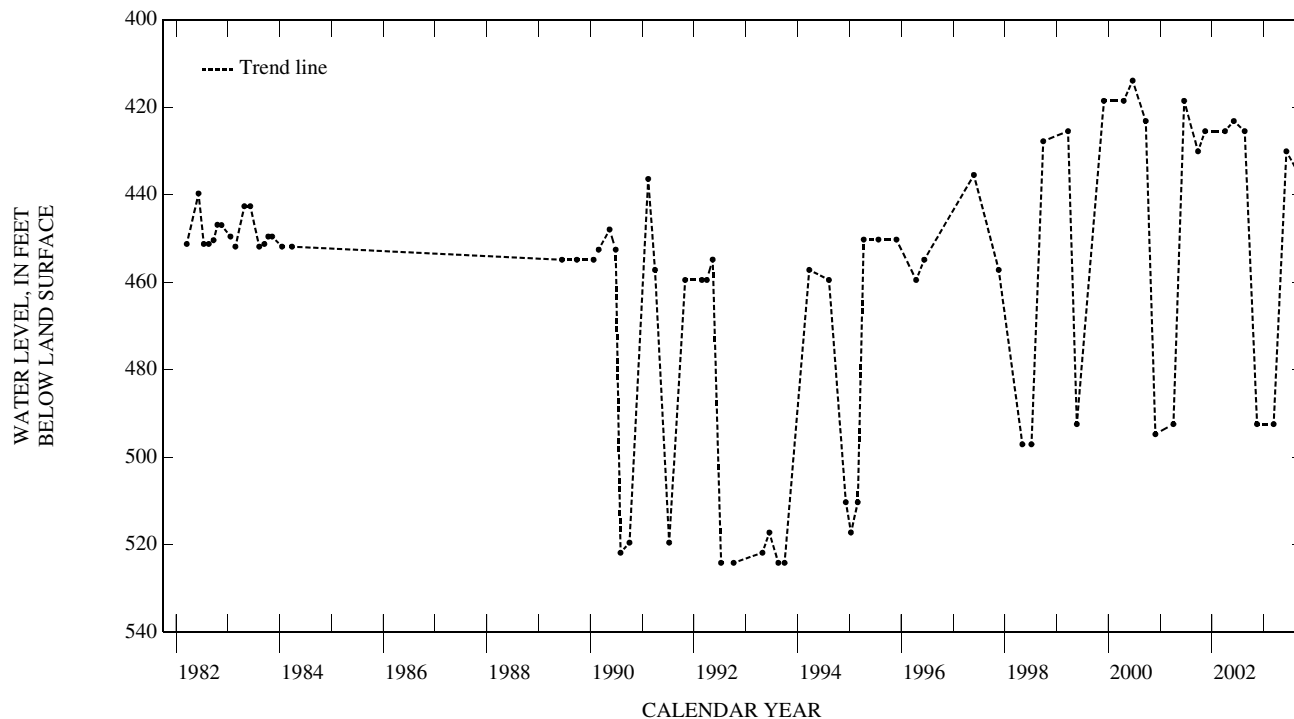
PERIOD OF RECORD.--1982 to 1984, 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 413.93 ft below land surface, June 21, 2000; lowest, 524.19 ft below land surface, July 10, Oct. 7, 1992, Aug. 18, Oct. 1, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	492.47	MAR 12	492.47	JUN 10	430.10	AUG 27	434.72

WATER YEAR 2003 HIGHEST 430.10 JUN 10, 2003 LOWEST 492.47 NOV 15, 2002 MAR 12, 2003



CROOK COUNTY—Continued

IDENTIFICATION.--Station number, 443453104425602. Local number, 53-065-18bbd02. Local name, Park Service.

LOCATION.--44° 34'53", long 104° 42'56", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.53 N., R.65 W., Hydrologic Unit 10120201.

AQUIFER.--Madison (Pahasapa) Limestone.

WELL CHARACTERISTICS.--Depth of well, 1,340 ft below land surface.

DATUM.--Elevation of land surface is 3,865 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 2.3 ft above land surface.

REMARKS.--After 1982, some water levels were measured while well was being pumped or recently after the well was pumped.

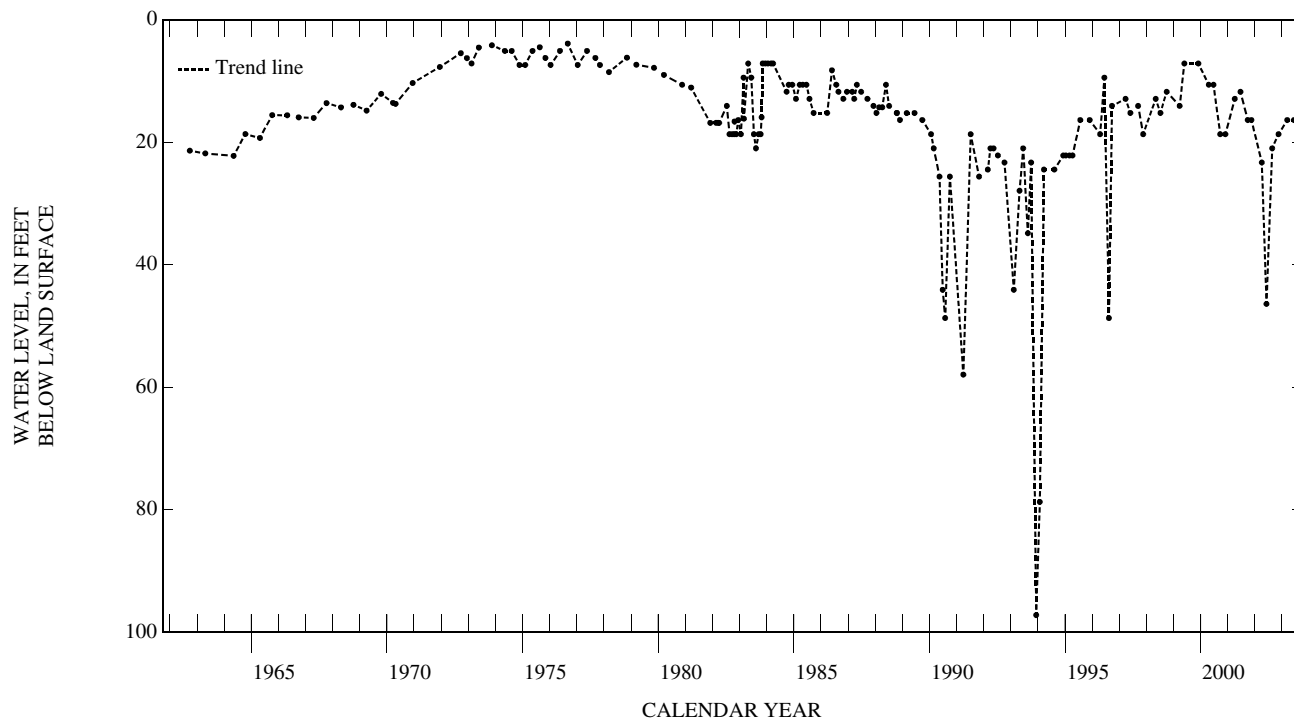
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.90 ft below land surface, Sept. 1, 1976; lowest, 97.24 ft below land surface (well being pumped), Dec. 8, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 14	18.7	MAR 12	16.39	JUN 11	16.39	AUG 27	18.70
WATER YEAR 2003 HIGHEST 16.39 MAR 12, 2003 JUN 11, 2003 LOWEST 18.7 NOV 14, 2002 AUG 27, 2003							



CROOK COUNTY—Continued

IDENTIFICATION.--Station number, 444854104534502. Local number, 56-067-28aab02. Local name, Cole #41 Minnelusa.

LOCATION.--Lat 44° 48' 54", long 104° 53' 45", in NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.56 N., R.67 W., Hydrologic Unit 10110201.

AQUIFER.--Minnelusa Formation.

WELL CHARACTERISTICS.--Depth of well, 2,230 ft below land surface.

DATUM.--Elevation of land surface is 4,500 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.20 ft above land surface.

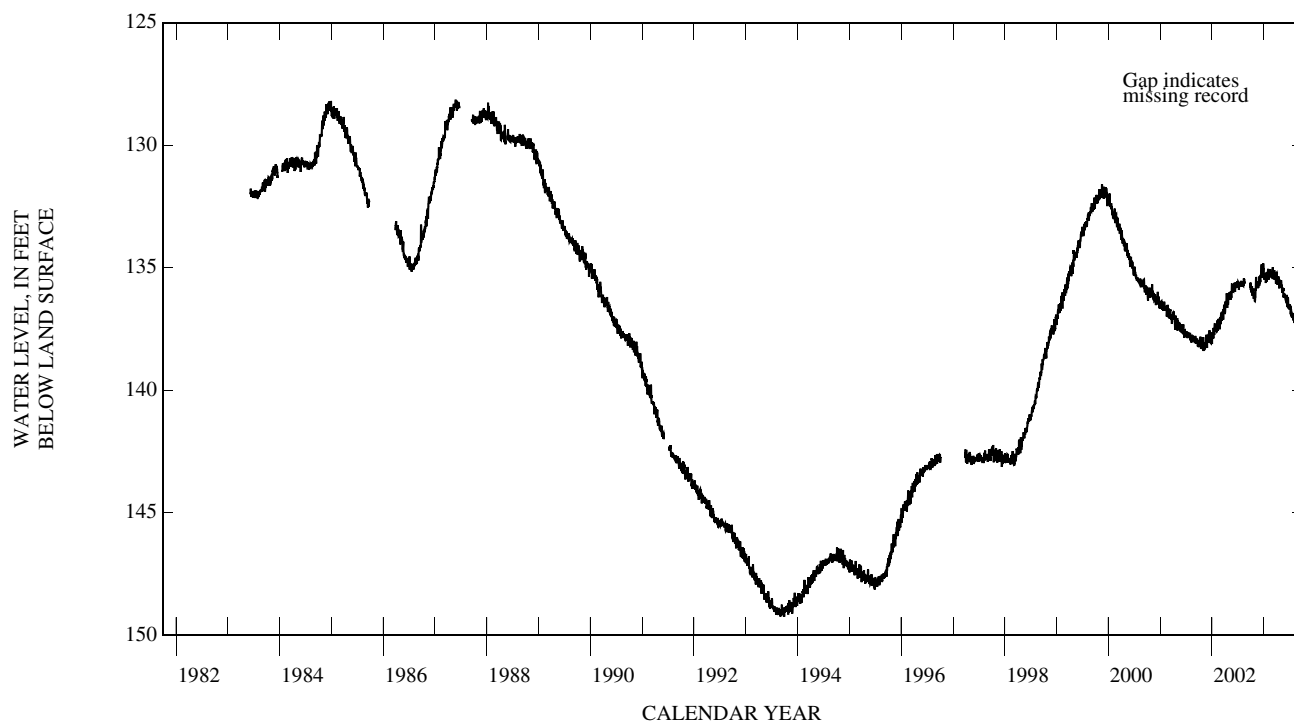
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 128.18 ft below land surface, May 25-28, 31, 1987; lowest, 149.25 ft below land surface, Sept. 28, 1993.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	135.84	135.93	135.59	135.29	135.25	135.01	135.49	135.61	136.31	136.62	137.23	---
10	135.76	135.63	135.30	135.37	135.12	135.31	135.62	135.87	136.15	136.88	137.33	---
15	136.04	135.82	135.08	135.24	135.38	135.22	135.36	135.82	136.47	136.83	137.39	---
20	135.99	135.84	135.23	135.24	135.19	135.41	135.85	136.19	136.23	136.95	137.34	---
25	136.09	135.58	135.32	135.34	135.30	135.39	135.55	136.05	136.67	136.88	137.47	---
EOM	136.37	135.62	135.02	135.20	135.21	135.33	135.73	136.18	136.57	137.11	---	---
MIN	136.37	136.34	135.66	135.63	135.49	135.66	135.85	136.24	136.70	137.15	---	---
MAX	135.75	135.38	134.83	135.13	135.05	134.99	135.20	135.52	136.12	136.49	---	---



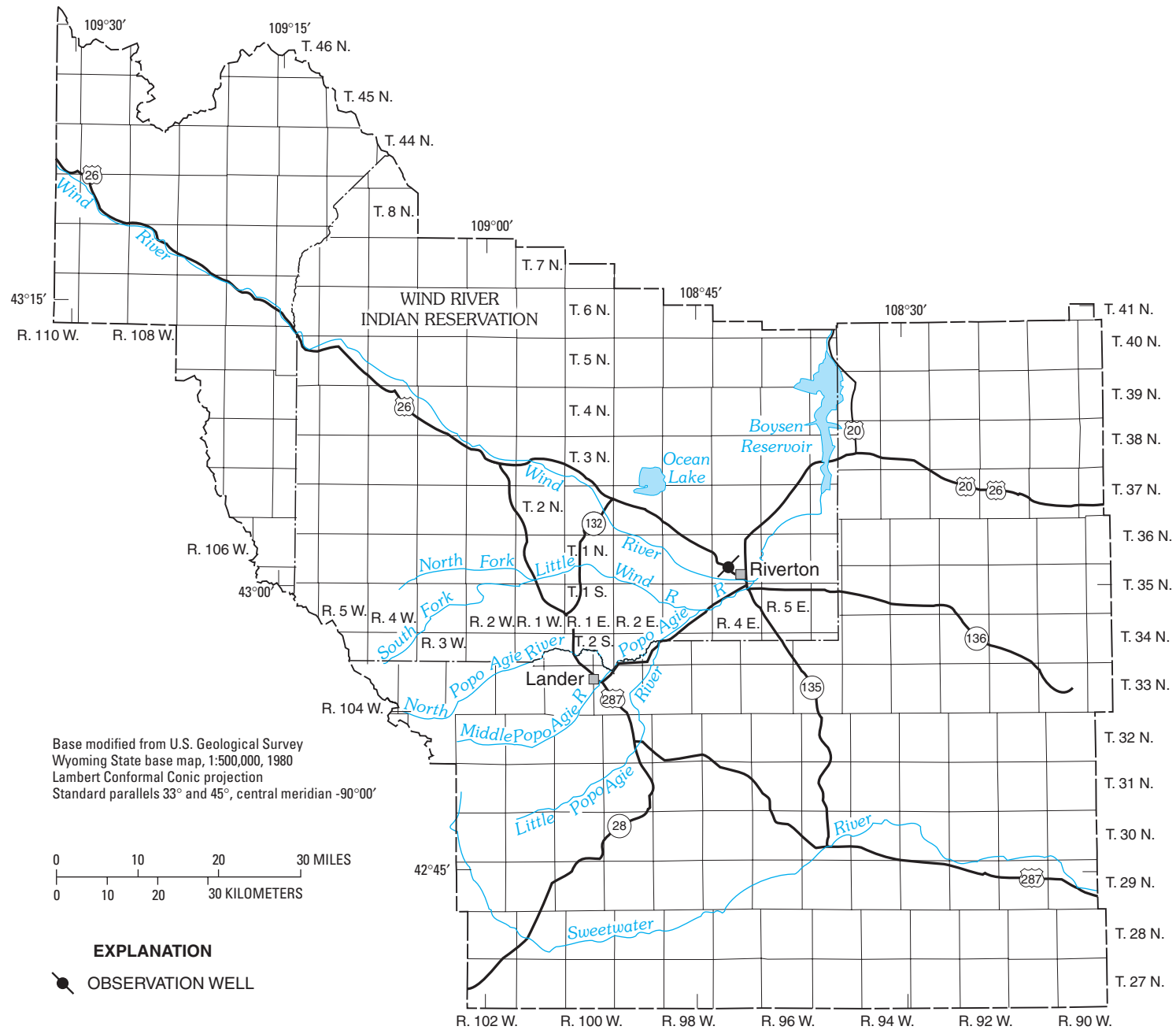


Figure 12. Location of observation well in Fremont County, Wyoming.

FREMONT COUNTY

IDENTIFICATION.--Station number, 430205108243201. Local number, 1N-4E-28acc01. Local name, Brentwood.

LOCATION.--Lat 43°02'05", long 108°24'32", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.1 N., R.4 E., Hydrologic Unit 10080001.

AQUIFER.--Wind River Formation.

WELL CHARACTERISTICS.--Depth of well, 440 ft below land surface.

DATUM.--Elevation of land surface is 5,050 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.0 ft above land surface.

REMARKS.--Data collected by U.S. Geological Survey.

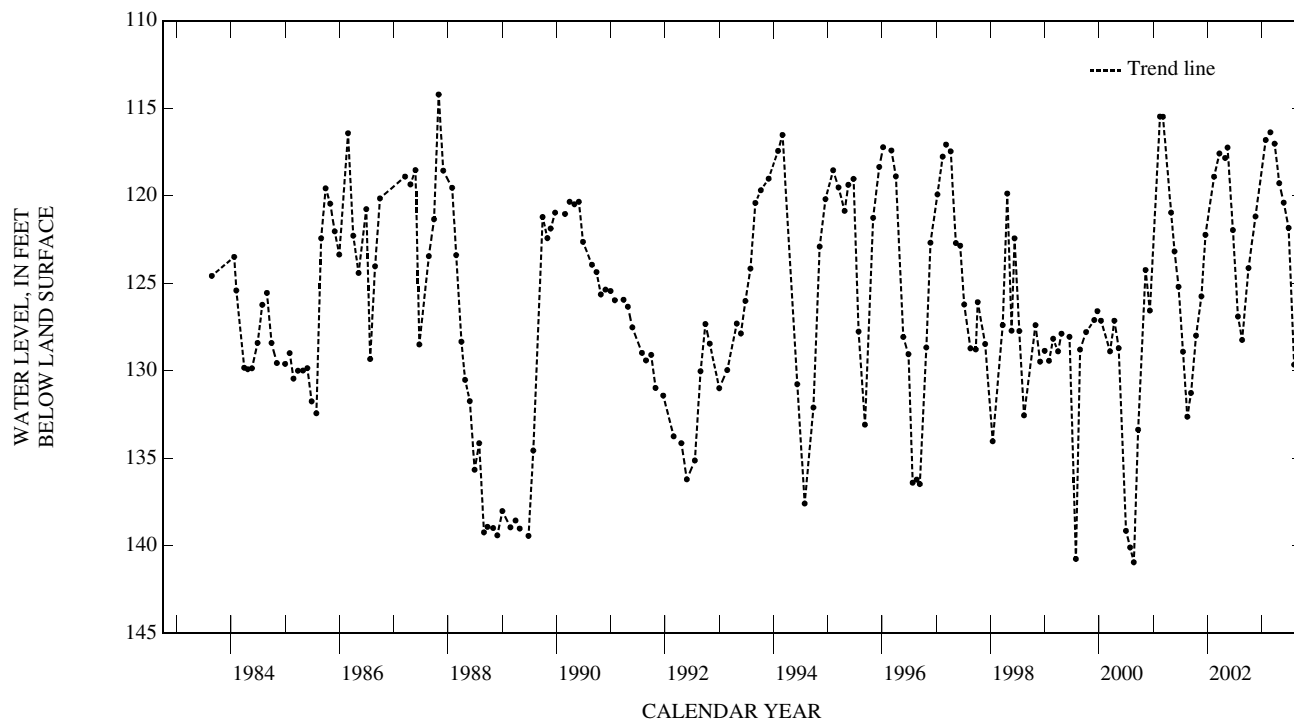
PERIOD OF RECORD.--1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 114.22 ft below land surface, Oct. 30, 1987; lowest, 140.96 ft below land-surface, Aug. 22, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 03	124.14	JAN 27	116.82	MAR 28	117.03	MAY 28	120.40	AUG 06	129.66
NOV 19	121.19	FEB 27	116.38	APR 28	119.29	JUN 30	121.84	SEP 19	126.75

WATER YEAR 2003 HIGHEST 116.38 FEB 27, 2003 LOWEST 129.66 AUG 06, 2003



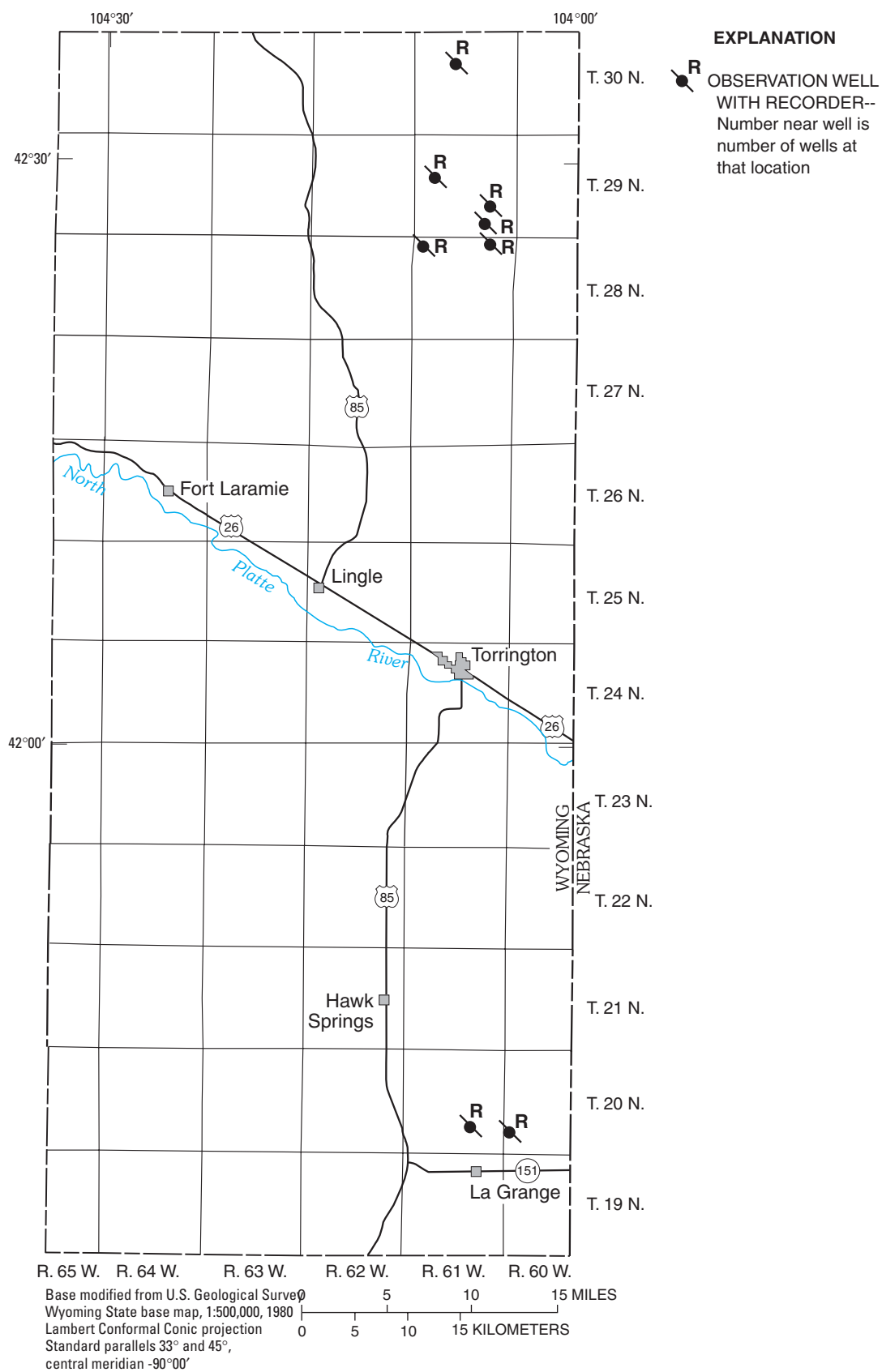


Figure 13. Location of observation wells in Goshen County, Wyoming.

GOSHEN COUNTY

IDENTIFICATION.--Station number, 414049104074501. Local number, 20-060-30bbb01. Local name, LaGrange #2.

LOCATION.--Lat 41° 40' 50.5", long 104° 07' 48.0", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.30, T.20 N., R.60 W., Hydrologic Unit 10180012.

AQUIFER.--Brule Formation.

WELL CHARACTERISTICS.--Depth of well, 70 ft below land surface.

DATUM.--Elevation of land surface is 4,530 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.00 ft above land surface.

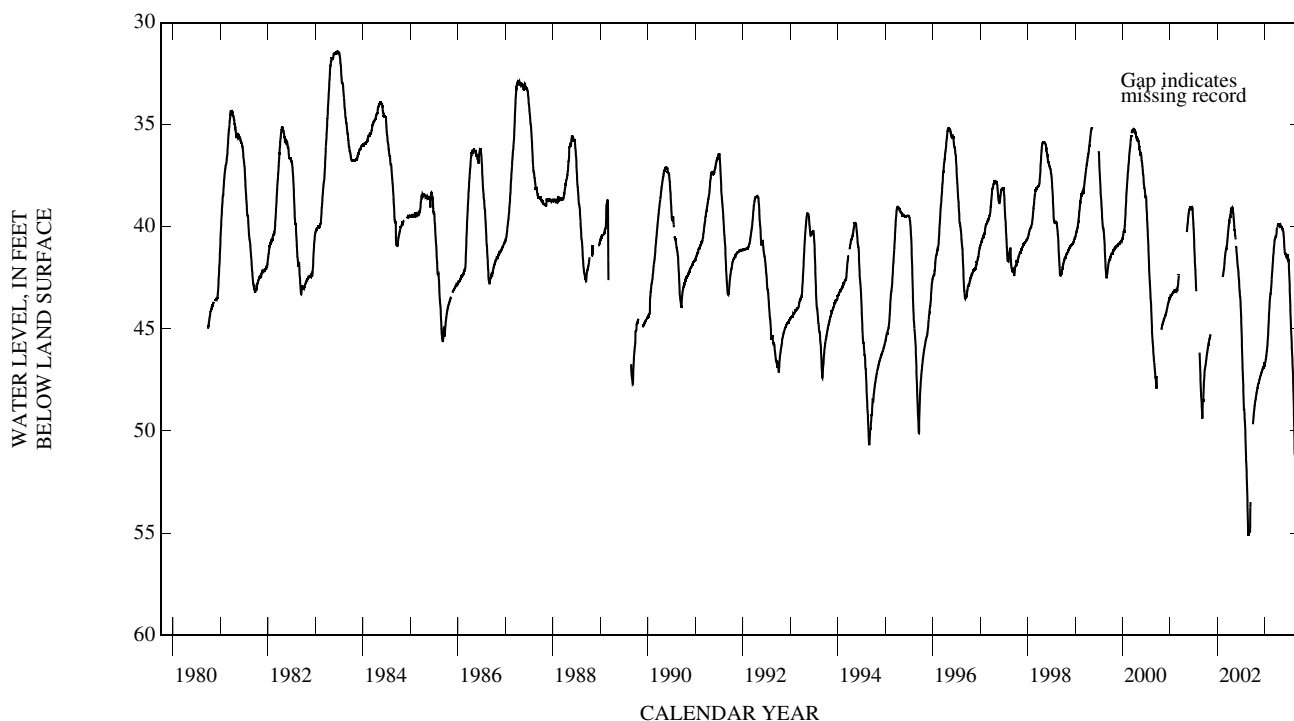
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 31.40 ft below land surface, June 18-21, 1983; lowest, 55.42 ft below land surface, Aug. 26 and Sept. 1, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	49.33	47.90	47.16	46.62	43.88	41.51	40.02	39.99	41.31	42.01	47.28	53.63
10	48.98	47.74	47.05	46.38	43.42	41.13	39.94	40.03	41.35	42.86	48.53	53.18
15	48.70	47.63	46.96	46.13	43.18	40.73	39.86	40.08	41.48	43.89	50.15	51.35
20	48.49	47.50	46.87	45.79	42.80	40.58	39.99	40.18	41.40	44.86	51.24	50.26
25	48.28	47.37	46.82	45.31	42.28	40.48	39.95	40.40	41.40	45.59	52.63	49.81
EOM	48.09	47.25	46.70	44.49	42.01	40.30	39.95	41.05	41.68	46.53	53.28	49.35
MIN	49.67	48.03	47.22	46.70	44.34	41.93	---	41.05	41.68	46.53	53.28	53.69
MAX	48.09	47.25	46.70	44.49	42.01	40.30	---	39.95	41.12	41.68	46.65	49.35



GOSHEN COUNTY—Continued

IDENTIFICATION.--Station number, 414051104100701. Local number, 20-061-23ccc01. Local name, Curt Meier.

LOCATION.--Lat 41° 40' 50.5", long 104° 10' 07.5", in SW¹/₄ SW¹/₄ SW¹/₄ sec. 23, T.20 N., R.61 W., Hydrologic Unit 10180012.

AQUIFER.--Alluvium.

WELL CHARACTERISTICS.--Depth of well, 82.0 ft below land surface.

DATUM.--Elevation of land surface is 4,506 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.00 ft above land surface.

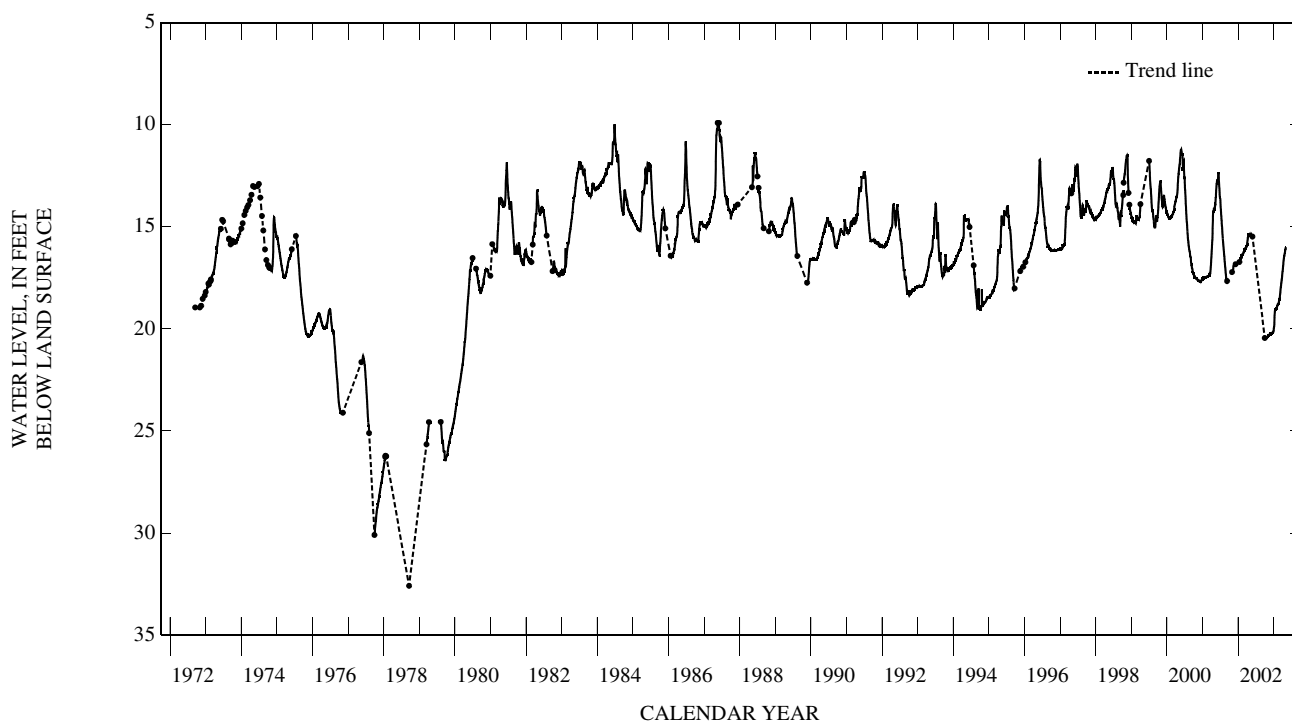
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 9.89 ft below land surface, May 19, 1987; lowest, 32.59 ft below land surface, from hand-measured data, Sept. 18, 1978.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	20.45	20.34	20.24	19.87	18.89	18.39	17.00	16.01	---	---	---	---
10	20.45	20.31	20.22	19.28	18.81	18.17	16.73	---	---	---	---	---
15	20.44	20.29	20.20	19.06	18.80	17.92	16.52	---	---	---	---	---
20	20.44	20.28	20.18	19.04	18.75	17.72	16.40	---	---	---	---	---
25	20.42	20.27	20.16	19.04	18.62	17.52	16.25	---	---	---	---	---
EOM	20.40	20.25	20.09	18.97	18.55	17.22	16.11	---	---	---	---	---
MIN	20.45	20.40	20.25	20.01	18.96	18.54	17.20	---	---	---	---	---
MAX	20.40	20.25	20.09	18.96	18.55	17.22	16.11	---	---	---	---	---



GOSHEN COUNTY—Continued

IDENTIFICATION.--Station number, 422519104095101. Local number, 28-061-02ccd01. Local name, Prairie Center #6.

LOCATION.--Lat 42° 25' 19", long 104° 09' 51", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 2, T.28 N., R.61 W., Hydrologic Unit 10180009.

AQUIFER.--Arikaree Formation.

WELL CHARACTERISTICS.--Depth of well, 255 ft below land surface.

DATUM.--Elevation of land surface is 4,795 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.70 ft above land surface.

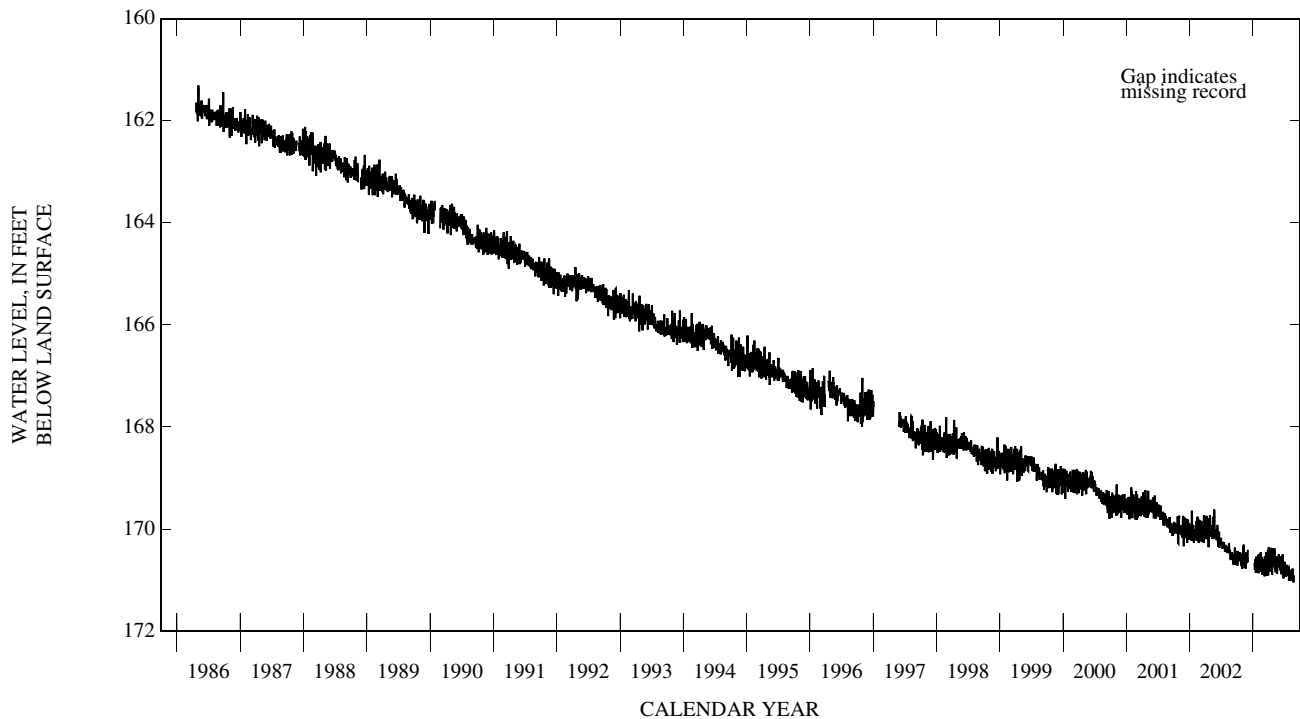
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 161.31 ft below land surface, May 4, 1986; lowest, 171.22 ft below land surface, Aug. 22, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	170.58	170.37	---	---	170.75	170.60	170.73	170.61	170.81	170.74	171.00	---
10	170.53	---	---	170.77	170.64	170.64	170.55	170.76	170.57	170.94	171.02	---
15	170.52	170.66	---	170.59	170.84	170.54	170.37	170.54	170.82	170.81	170.94	---
20	170.61	170.76	---	170.63	170.64	170.75	170.90	170.64	170.50	170.82	170.98	---
25	170.49	170.52	---	170.69	170.65	170.69	170.66	170.57	170.97	170.79	171.01	---
EOM	170.78	170.65	---	170.61	170.71	170.39	170.60	170.59	170.70	170.81	---	---
MIN	170.78	---	---	---	170.90	170.93	170.90	170.88	170.97	171.01	---	---
MAX	170.45	---	---	---	170.46	170.39	170.36	170.38	170.50	170.66	---	---



GOSHEN COUNTY—Continued

IDENTIFICATION.--Station number, 422512104135501. Local number, 28-061-06aba01. Local name, Goshen County #2.

LOCATION.--Lat 42° 25' 12", long 104° 13' 55", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 6, T.28 N., R.61 W., Hydrologic Unit 10180009.

AQUIFER.--Arikaree Formation.

WELL CHARACTERISTICS.--Depth of well, 220 ft below land surface.

DATUM.--Elevation of land surface is 4,765 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.60 ft above land surface.

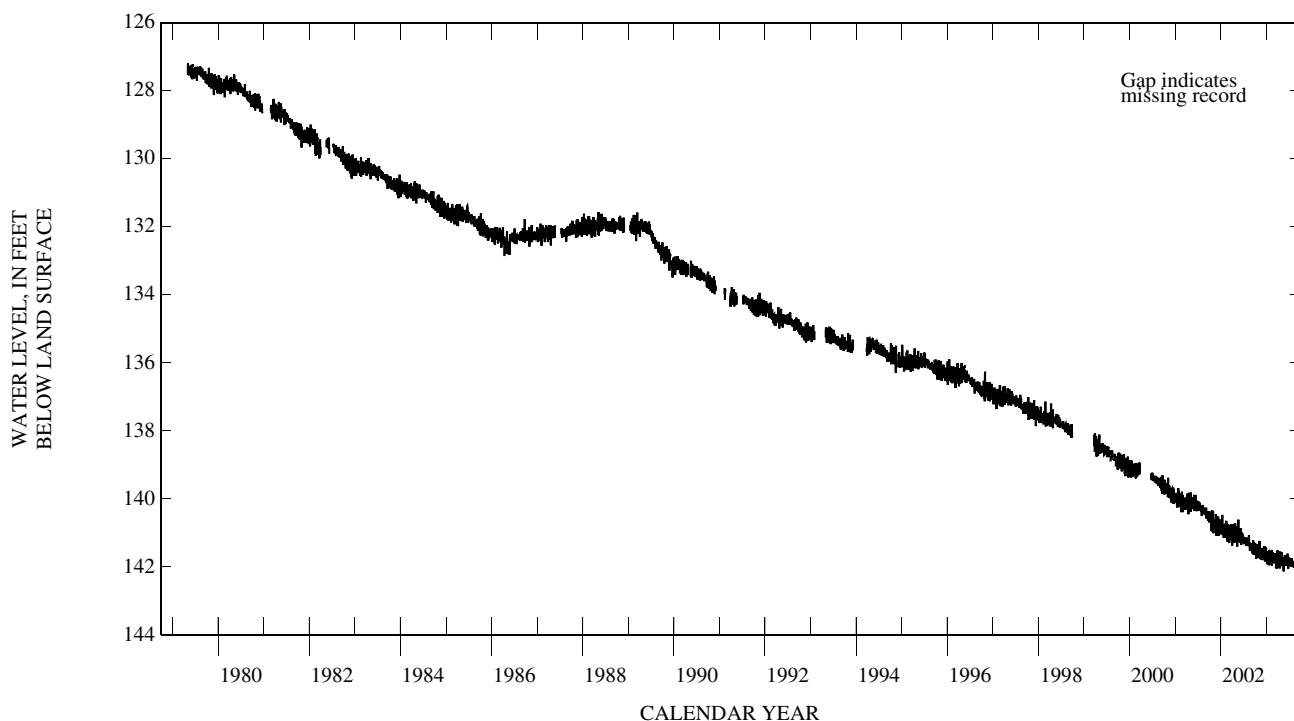
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 127.23 ft below land surface, May 4, 1979; lowest, 142.46 ft below land surface, Sept. 18, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	141.45	141.45	141.68	141.70	141.77	141.63	141.84	141.82	141.91	141.78	141.99	141.98
10	141.38	141.59	141.51	141.74	141.66	141.78	141.76	141.92	141.67	141.96	142.02	141.90
15	141.39	141.70	141.58	141.57	141.97	141.70	141.55	141.72	141.89	141.83	141.98	141.98
20	141.50	141.79	141.69	141.63	141.69	141.87	142.04	141.81	141.61	141.87	142.00	142.01
25	141.37	141.54	141.72	141.69	141.70	141.79	141.78	141.73	142.05	141.80	142.03	142.00
EOM	141.66	141.65	141.63	141.71	141.74	141.55	141.78	141.71	141.75	141.84	142.03	142.26
MIN	141.76	141.79	---	141.95	141.97	142.06	142.04	142.13	142.05	142.00	142.11	142.29
MAX	141.30	141.24	---	141.54	141.50	141.55	141.51	141.56	141.61	141.71	141.81	141.83



GOSHEN COUNTY—Continued

IDENTIFICATION.--Station number, 422928104121401. Local number, 29-061-17aad01. Local name, Prairie Center #4.

LOCATION.--Lat 42° 29' 28", long 104° 12' 14", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 17, T.29 N., R.61 W., Hydrologic Unit 10180009.

AQUIFER.--Arikaree Formation.

WELL CHARACTERISTICS.--Depth of well, 220 ft below land surface.

DATUM.--Elevation of land surface is 4,790 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.90 ft above land surface.

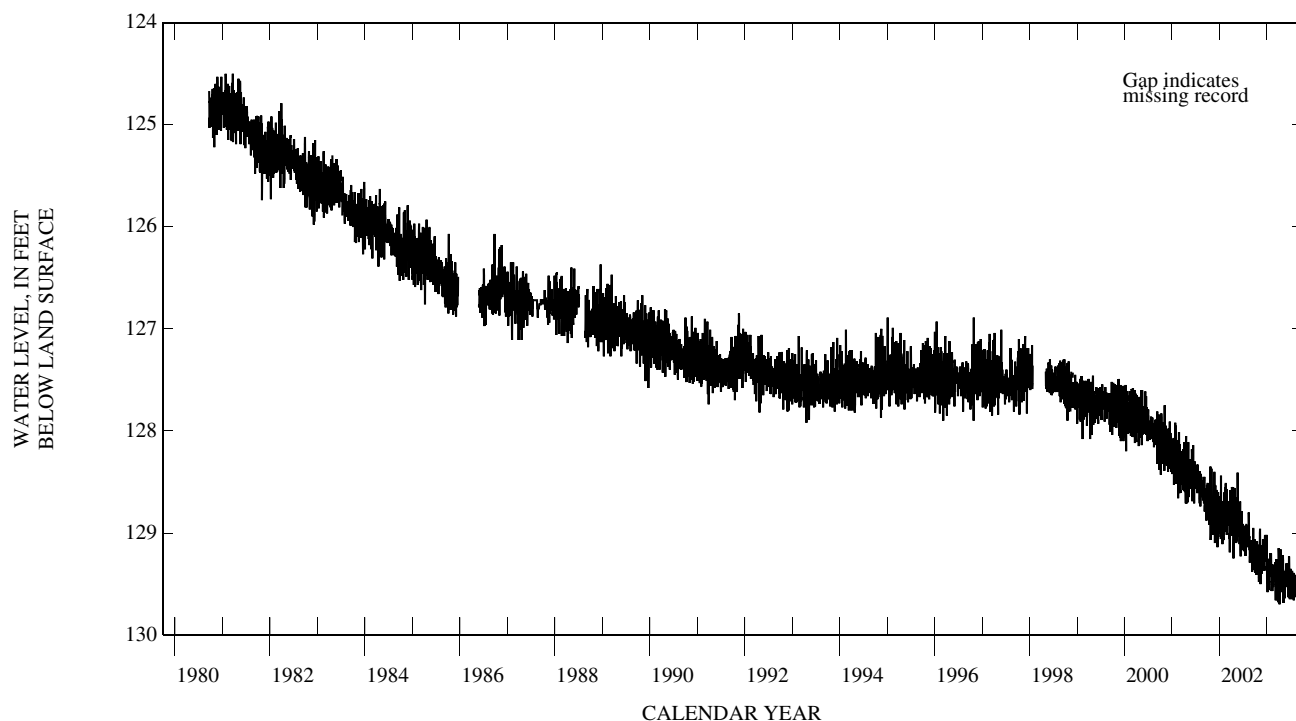
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 124.50 ft below land surface, Jan. 24, Mar. 20, 1981; lowest, 129.89 ft below land surface, Aug. 30, Sept. 13, 14, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	129.24	129.12	129.36	129.47	129.50	129.30	129.48	129.27	129.53	129.44	129.54	129.54
10	129.16	129.14	129.11	129.29	129.38	129.52	129.43	129.55	129.32	129.65	129.63	129.46
15	129.18	129.31	129.16	129.50	129.47	129.39	129.16	129.38	129.62	129.49	129.62	129.57
20	129.27	129.39	---	129.26	129.40	129.66	129.57	129.57	129.23	129.53	129.58	129.62
25	129.22	129.29	129.34	129.41	129.44	129.50	129.51	129.37	129.60	129.40	129.65	129.58
EOM	129.48	129.28	129.27	129.43	129.44	129.24	129.49	129.36	129.42	129.48	129.67	129.81
MIN	129.48	129.50	---	129.58	129.57	129.68	129.70	129.68	129.65	129.66	129.79	129.81
MAX	129.09	128.96	---	129.26	129.21	129.24	129.15	129.22	129.23	129.36	129.41	129.38



GROUND-WATER LEVELS

GOSHEN COUNTY—Continued

IDENTIFICATION.--Station number, 422849104090801. Local number, 29-061-23abb01. Local name, Goshen County #1.

LOCATION.--Lat 42° 28' 49", long 104° 09' 08", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 23, T.29 N., R.61 W., Hydrologic Unit 10180009.

AQUIFER.--Arikaree Formation.

WELL CHARACTERISTICS.--Depth of well, 300 ft below land surface.

DATUM.--Elevation of land surface is 4,870 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.00 ft above land surface.

REMARKS.--Well was slug tested by instantaneous recharge on June 12, 1987 to test well's connection with aquifer. Water level did not recover properly, so it was redeveloped in March 1991.

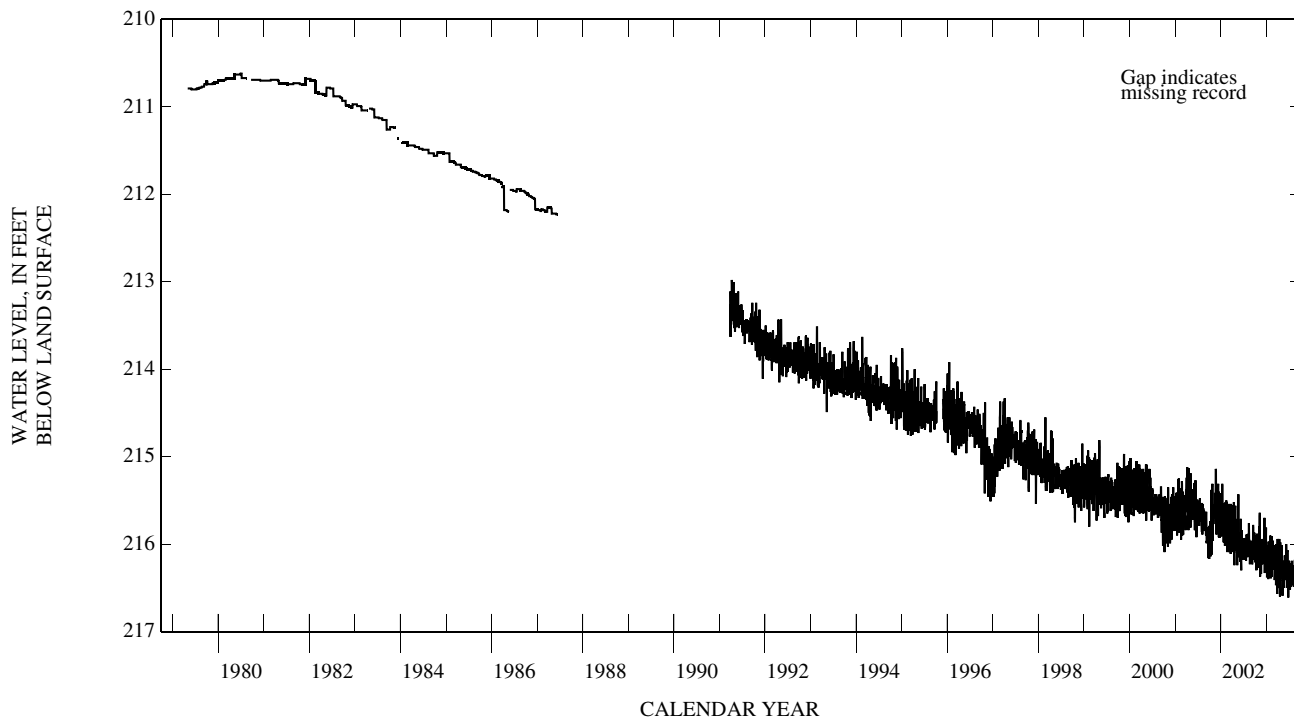
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 198.29 ft below land surface, affected by slug test; lowest, 216.88 ft below land surface, May 19, 20, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	216.03	215.93	216.06	216.17	216.20	216.01	216.30	216.16	216.41	216.28	216.46	216.25
10	215.95	215.97	215.94	216.19	216.03	216.28	216.24	216.41	216.13	216.51	216.49	216.15
15	215.99	216.20	215.96	216.02	216.37	216.14	215.94	216.21	216.47	216.35	216.38	216.24
20	216.04	216.34	216.13	216.01	216.09	216.41	216.60	216.44	216.07	216.31	216.36	216.32
25	215.94	216.02	216.16	216.12	216.15	216.29	216.27	216.19	216.61	216.22	---	216.24
EOM	216.24	216.04	216.03	216.12	216.14	216.03	216.23	216.17	216.26	216.28	216.37	216.54
MIN	216.30	216.37	216.33	---	216.39	216.57	216.60	216.59	---	216.51	---	216.63
MAX	215.88	215.64	215.70	---	215.91	216.01	215.94	216.01	---	216.19	---	216.07



GOSHEN COUNTY—Continued

IDENTIFICATION.--Station number, 422730104094801. Local number, 29-061-26cbb01. Local name, Prairie Center #3.

LOCATION.--Lat 42° 27' 30", long 104° 09' 48", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 26, T.29 N., R.61 W., Hydrologic Unit 10180009.

AQUIFER.--Arikaree Formation.

WELL CHARACTERISTICS.--Depth of well, 200 ft below land surface.

DATUM.--Elevation of land surface is 4,770 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.50 ft above land surface.

REMARKS.--Considerable seepage of sediment into the well in combination with a falling water level caused the well to go dry in April 2000.

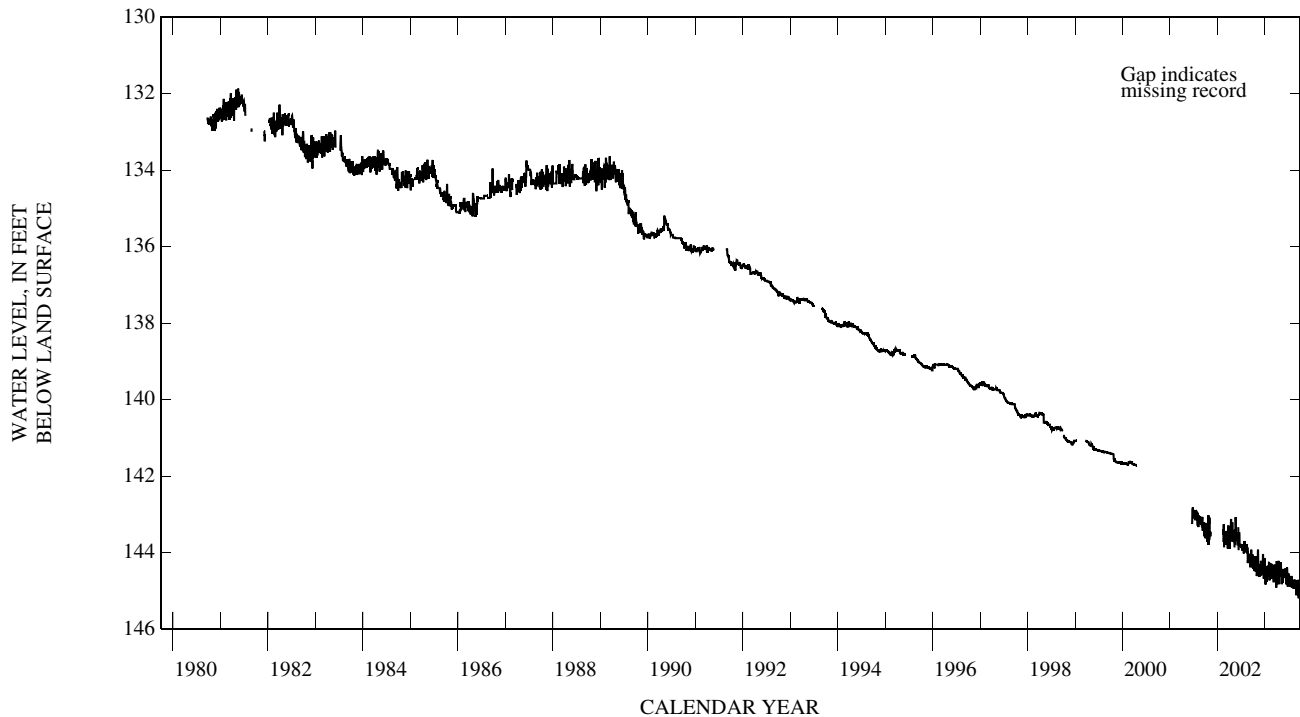
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 131.89 ft below land surface, May 15, 16, 1981; lowest, 145.34 ft below land surface, Sept. 30, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	144.24	144.19	144.52	144.53	144.57	144.33	144.61	144.39	144.66	144.63	144.83	144.87
10	144.18	144.14	144.28	144.55	144.40	144.62	144.58	144.63	144.43	144.89	144.94	144.72
15	144.24	144.52	144.32	144.39	144.68	144.47	144.21	144.48	144.78	144.74	144.91	144.93
20	144.29	144.63	144.49	144.36	144.47	144.71	144.82	144.72	144.38	144.79	144.85	144.97
25	144.22	144.37	144.54	144.52	144.52	144.64	144.54	144.46	144.83	144.63	144.94	144.95
EOM	144.56	144.48	144.37	144.50	144.50	144.36	144.52	144.44	144.65	144.73	145.00	145.25
MIN	144.61	144.63	144.68	144.83	144.72	144.91	144.82	144.82	144.88	144.91	145.11	145.25
MAX	144.11	143.92	144.03	144.33	144.24	144.31	144.21	144.25	144.38	144.56	144.70	144.71



GOSHEN COUNTY—Continued

IDENTIFICATION.--Station number, 423549104120901. Local number, 30-061-09bbb01. Local name, Prairie Center #5.

LOCATION.--Lat 42° 35' 49", long 104° 12' 09", in NW¹/₄ NW¹/₄ NW¹/₄ sec. 9, T.30 N., R.61 W., Hydrologic Unit 10180009.

AQUIFER.--Arikaree Formation.

WELL CHARACTERISTICS.--Depth of well, 220 ft below land surface.

DATUM.--Elevation of land surface is 4,850 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.60 ft above land surface.

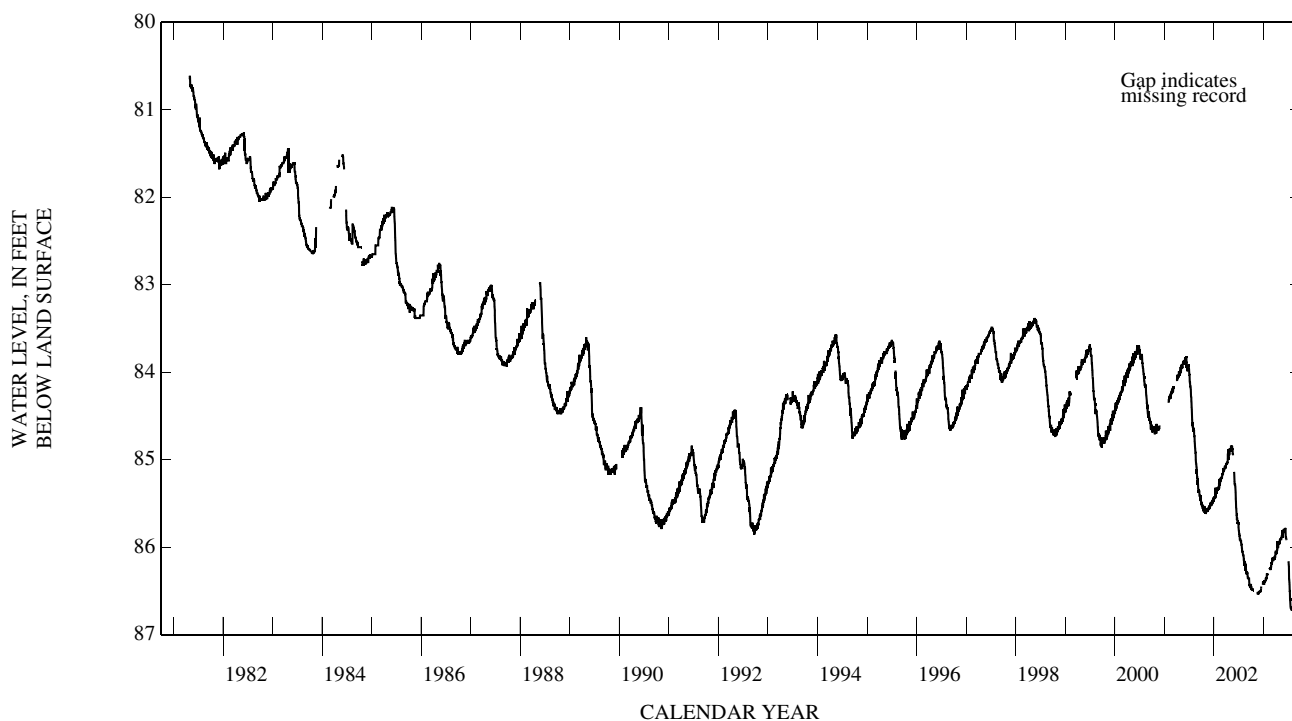
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 80.61 ft below land surface, May 1, 1981; lowest, 87.00 ft below land surface, Sept. 5, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	86.49	---	86.51	86.41	---	86.17	86.07	85.91	85.82	86.16	---	86.90
10	86.48	---	86.50	86.39	---	86.15	86.05	85.91	85.78	86.37	---	86.91
15	86.49	86.53	86.47	86.38	86.25	86.13	85.98	85.88	85.88	86.50	---	86.94
20	---	86.52	---	86.35	86.24	86.13	86.00	85.82	85.92	86.68	---	86.95
25	---	86.52	---	86.35	86.24	86.11	85.95	85.84	---	86.71	---	---
EOM	---	86.52	86.41	86.32	86.19	86.06	85.94	85.80	---	---	86.83	---
MIN	---	---	---	86.43	---	86.19	86.08	85.94	---	---	---	---
MAX	---	---	---	86.30	---	86.06	85.93	85.80	---	---	---	---



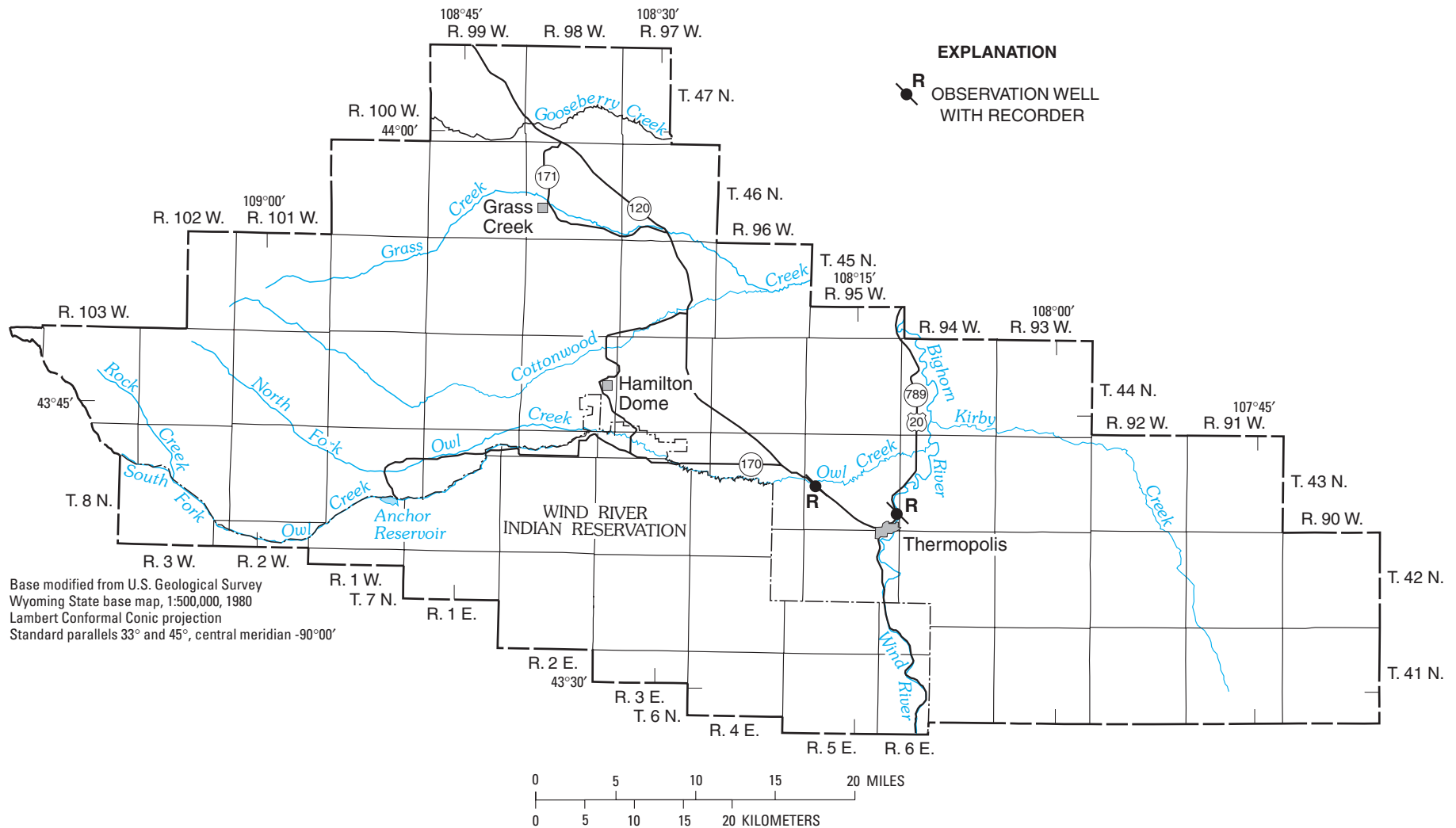


Figure 14. Location of observation wells in Hot Springs County, Wyoming.

HOT SPRINGS COUNTY

IDENTIFICATION.--Station number, 434136108183301. Local number, 43-095-18cab01. Local name, Thermopolis GTW-1.

LOCATION.--Lat 43° 41'36", long 108° 18'33", in NW¹/₄ NE¹/₄ SW¹/₄ sec.18, T.43 N., R.95 W., Hydrologic Unit 10080007.

AQUIFER.--Ten Sleep Sandstone.

WELL CHARACTERISTICS.--Depth of well, 354 ft below land surface.

DATUM.--Elevation of land surface is 4,700 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.40 ft above land surface.

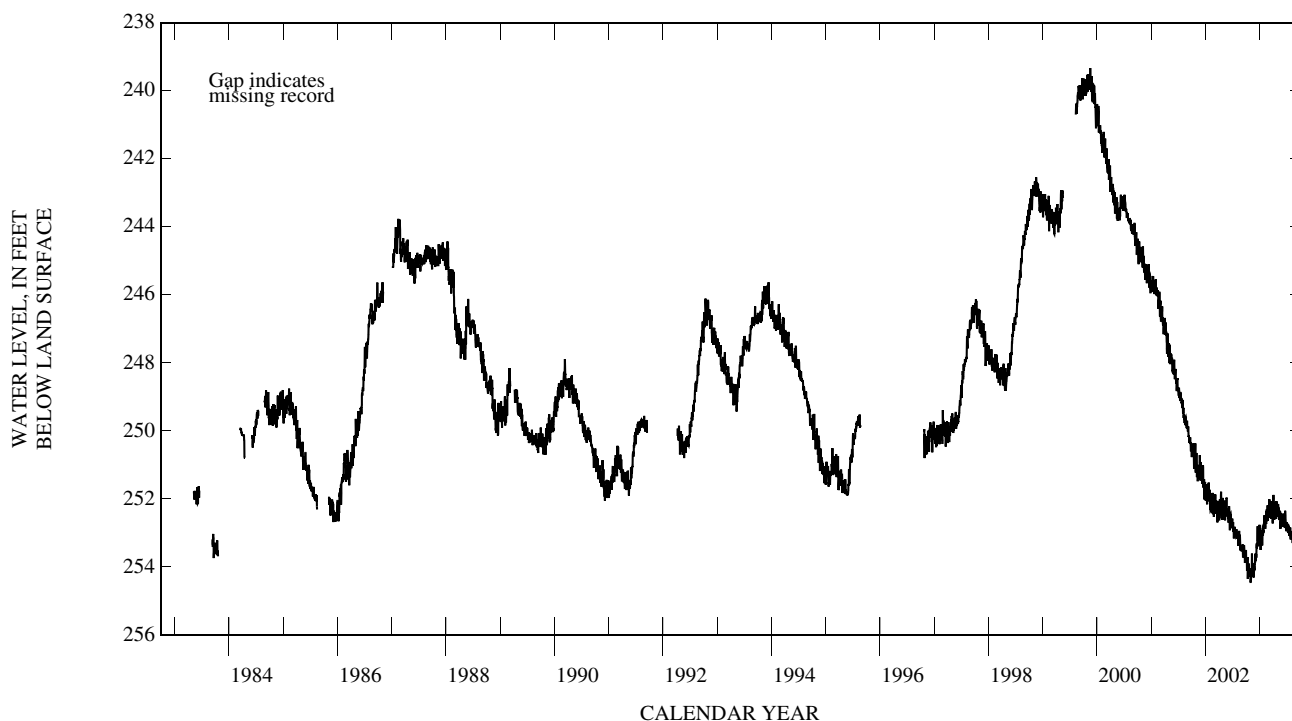
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 239.34 ft below land surface, Nov. 16, 1999; lowest, 254.57 ft below land surface, Nov. 1, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	253.85	254.22	253.77	253.17	252.75	252.08	252.22	252.23	252.82	252.76	253.10	253.45
10	253.76	253.94	253.33	253.12	252.54	252.46	252.42	252.55	252.43	253.00	253.30	253.23
15	254.06	254.27	253.08	252.95	252.66	252.13	252.08	252.35	252.74	252.85	253.27	253.47
20	254.07	254.31	253.17	252.86	252.47	252.43	252.59	252.71	252.35	253.00	253.22	253.59
25	254.09	254.07	253.24	252.98	252.49	252.38	252.15	252.43	252.84	252.87	253.38	253.66
EOM	254.44	253.87	252.86	252.71	252.32	252.16	252.39	252.59	252.77	253.01	253.51	253.98
MIN	254.44	254.40	253.83	253.50	252.88	252.72	252.61	252.88	252.95	253.19	253.66	253.98
MAX	253.76	253.61	252.76	252.68	252.19	252.01	251.88	252.15	252.35	252.69	252.97	253.17



HOT SPRINGS COUNTY—Continued

IDENTIFICATION.--Station number, 433933108121901. Local number, 43-095-25cdc01. Local name, Thermopolis GTW-3.

LOCATION.--Lat 43° 39' 33", long 108° 12' 19", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.25, T.43 N., R.95 W., Hydrologic Unit 10080007.

AQUIFER.--Phosphoria Formation (formerly identified as Park City Formation).

WELL CHARACTERISTICS.--Depth of well, 228 ft below land surface.

DATUM.--Elevation of land surface is 4,700 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.60 ft above land surface.

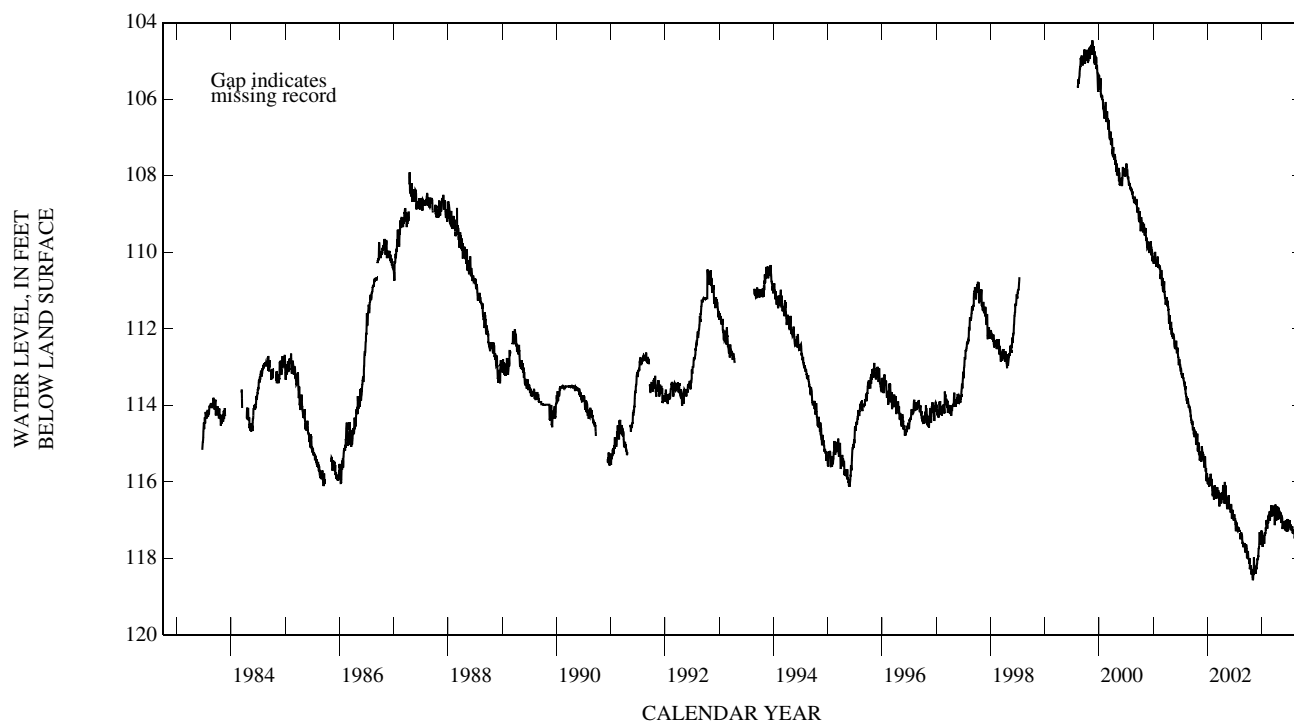
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 104.46 ft below land surface, Nov. 17, 1999; lowest, 118.62 ft below land surface, Nov. 1, 3, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	118.02	118.43	118.03	117.53	117.12	116.64	116.73	116.81	117.26	117.04	117.31	117.72
10	118.00	118.07	117.76	117.51	117.00	116.88	116.91	116.97	117.02	117.19	117.48	117.54
15	118.24	118.36	117.52	117.40	117.01	116.70	116.64	116.93	117.20	117.13	117.51	117.78
20	118.25	118.40	117.52	117.34	116.92	116.89	116.99	117.23	116.99	117.26	117.49	117.85
25	118.34	118.26	117.58	117.35	116.95	116.84	116.70	117.02	117.23	117.19	117.60	117.92
EOM	118.53	118.14	117.29	117.15	116.80	116.88	116.90	117.10	117.12	117.29	117.75	118.13
MIN	118.53	118.57	118.04	117.70	117.22	117.13	117.01	117.23	117.30	117.36	117.78	118.13
MAX	117.93	117.97	117.27	117.15	116.77	116.61	116.59	116.80	116.99	117.00	117.25	117.53



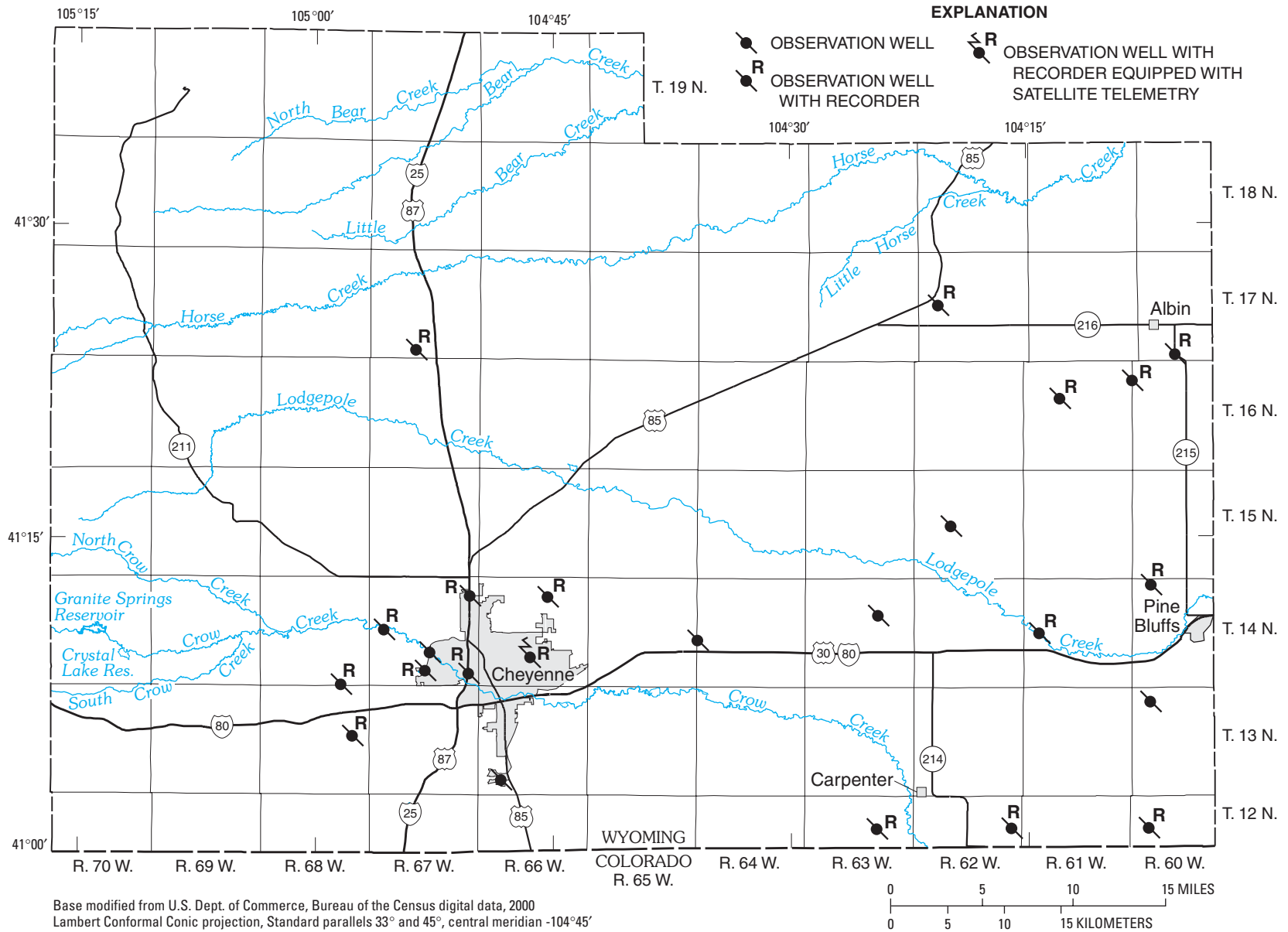


Figure 15. Location of observation wells in Laramie County, Wyoming.

LARAMIE COUNTY

IDENTIFICATION.--Station number, 410059104072401. Local number, 12-060-07ddd01. Local name, Laramie County #1.

LOCATION.--Lat 41°00'59", long 104°07'24", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.7, T.12 N., R.60 W., Hydrologic Unit 10190015.

AQUIFER.--Brule Formation.

WELL CHARACTERISTICS.--Depth of well, 120 ft below land surface.

DATUM.--Elevation of land surface is 5,176 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.70 ft above land surface.

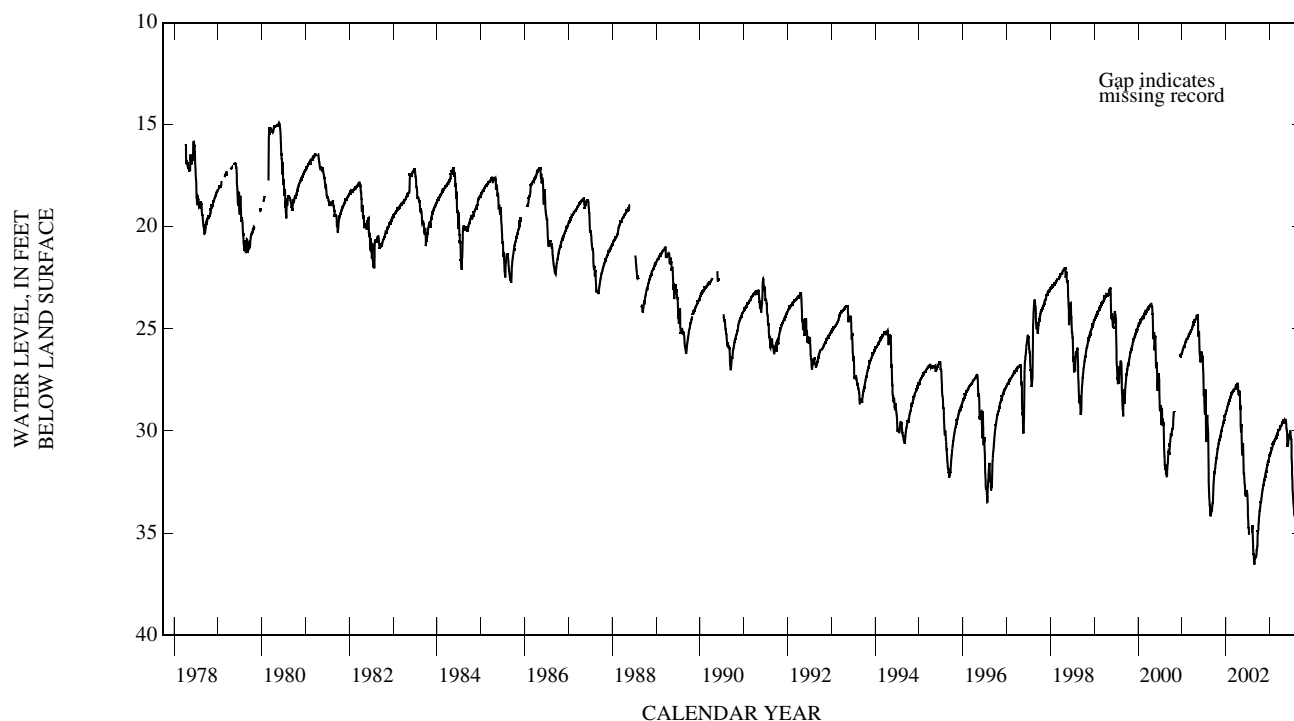
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 14.90 ft below land surface, May 24, 25, 1980; lowest, 36.63 ft below land surface, Aug. 26, 27, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	34.20	32.81	31.90	31.15	30.57	30.13	29.77	29.49	30.57	31.59	34.02	35.19
10	33.88	32.67	31.73	31.05	30.46	30.10	29.73	29.56	30.30	32.68	34.01	34.88
15	33.68	32.52	31.59	30.91	30.43	30.02	29.61	29.47	30.19	33.18	34.39	34.71
20	33.50	32.36	31.49	30.83	30.36	29.94	29.58	29.81	30.05	33.63	34.65	34.36
25	33.28	32.19	31.40	30.77	30.28	29.94	29.49	30.02	30.28	34.02	35.04	34.02
EOM	33.03	32.04	31.21	30.62	30.24	29.84	29.59	30.64	30.41	33.85	35.46	33.77
MIN	34.54	32.97	31.97	31.21	30.60	30.23	29.81	30.64	30.73	34.15	35.46	35.49
MAX	33.03	32.04	31.21	30.62	30.24	29.84	29.48	29.46	30.00	30.42	33.73	33.77



GROUND-WATER LEVELS

LARAMIE COUNTY—Continued

IDENTIFICATION.--Station number, 410100104160301. Local number, 12-062-13baa01. Local name, USGS southeast of Carpenter.

LOCATION.--Lat 41° 01' 00', long 104° 16' 03", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.13, T.12 N., R.62 W., Hydrologic Unit 10190009.

AQUIFER.--Terrace deposits.

WELL CHARACTERISTICS.--Depth of well, 198 ft below land surface datum.

DATUM.--Elevation of land surface is 5,315 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.70 ft above land surface.

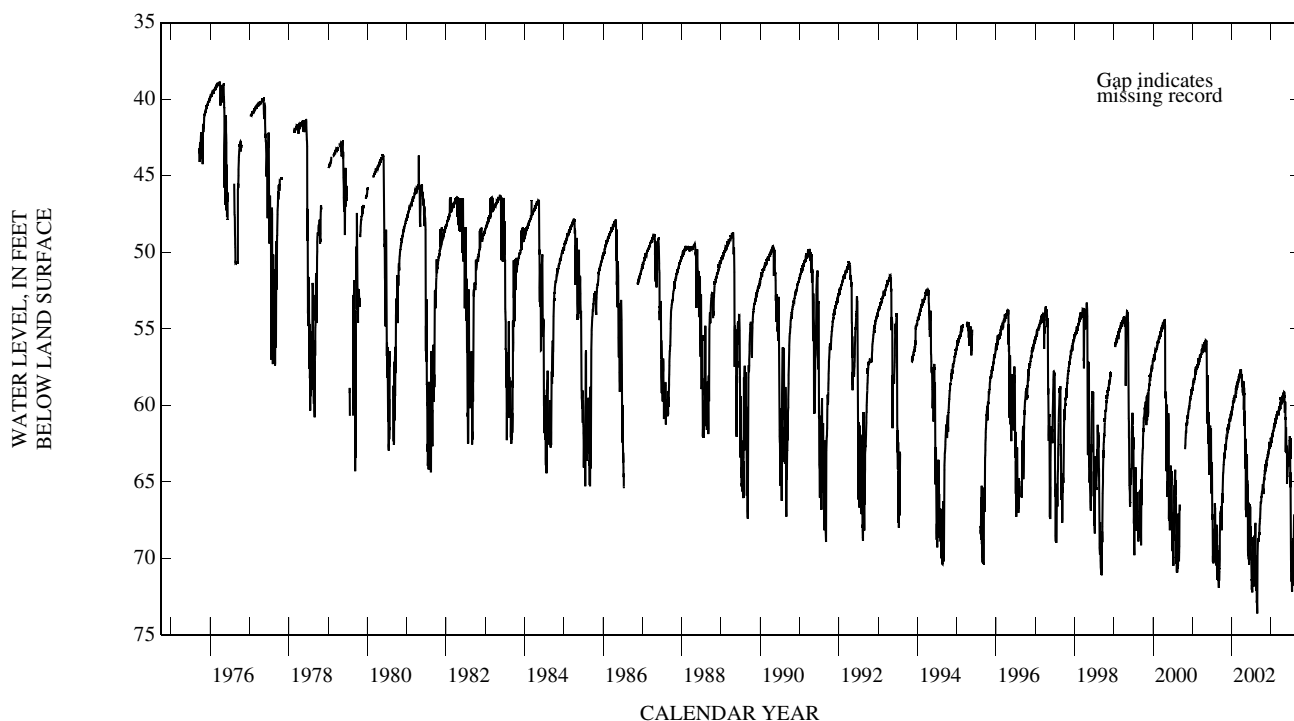
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 38.53 ft below land surface, from hand-measured data, May 19, 1975; lowest, 73.68 ft below land surface, Aug. 26, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	65.97	64.24	63.32	62.25	61.32	60.39	59.72	59.21	63.90	69.53	67.18	71.85
10	65.59	63.97	62.88	62.10	61.06	60.46	59.67	60.45	63.20	68.92	70.55	68.45
15	65.21	64.04	62.72	61.79	61.06	60.33	59.37	60.92	63.36	72.06	70.58	70.24
20	65.44	63.95	62.66	61.62	60.77	60.34	59.81	61.57	62.46	69.30	71.93	68.32
25	65.06	63.55	62.61	61.61	60.69	60.17	59.52	63.12	62.06	71.43	72.81	68.06
EOM	64.80	63.42	62.25	61.49	60.61	59.78	59.35	64.65	64.38	68.81	70.73	67.28
MIN	66.31	64.70	63.33	62.47	61.40	60.65	59.94	65.12	65.35	72.16	73.09	71.85
MAX	64.72	63.38	62.12	61.32	60.57	59.78	59.17	59.13	62.02	64.68	67.18	67.28



LARAMIE COUNTY—Continued

IDENTIFICATION.--Station number, 410111104223102. Local number, 12-063-15aaa02. Local name, USGS southwest of Carpenter.

LOCATION.--Lat 41°00'59', long 104°24'32", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.15, T.12 N., R.63 W., Hydrologic Unit 10190009.

AQUIFER.--Brule Formation.

WELL CHARACTERISTICS.--Depth of well, 110 ft below land surface.

DATUM.--Elevation of land surface is 5,385 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.50 ft above land surface.

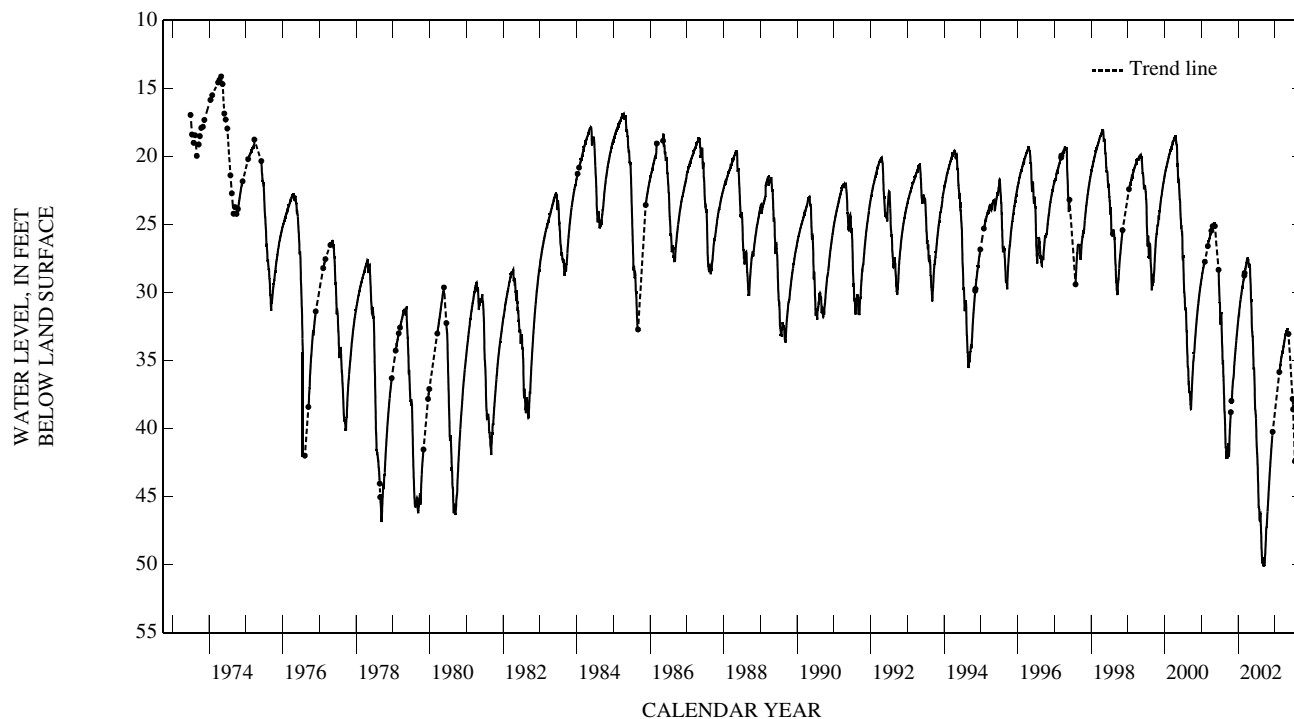
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 14.12 ft below land surface, May 1, 2, 1974; lowest, 50.17 ft below land surface, Sept. 8, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	47.66	43.96	40.62	---	---	34.80	33.54	32.72	---	---	43.98	49.75
10	47.23	43.34	---	---	---	34.62	33.35	33.11	---	---	44.45	50.00
15	46.71	42.73	---	---	35.86	34.39	33.10	33.04	---	---	45.12	49.20
20	46.00	42.18	---	---	35.51	34.33	33.09	---	---	42.54	46.56	48.53
25	45.40	41.65	---	---	35.25	34.05	33.07	---	---	43.01	47.95	47.78
EOM	44.62	41.11	---	---	35.10	33.79	32.85	---	38.49	43.70	49.60	47.12
MIN	48.48	44.47	---	---	---	35.08	33.73	---	---	---	49.60	50.13
MAX	44.62	41.11	---	---	---	33.79	32.85	---	---	---	43.86	47.12



LARAMIE COUNTY—Continued

IDENTIFICATION.--Station number, 410703104071201. Local number, 13-060-05ccb01. Local name, Elmer Glantz.

LOCATION.--Lat 41° 07' 03", long 104° 07' 12", in NW¹/₄ SW¹/₄ SW¹/₄ sec.5, T.13 N., R.60 W., Hydrologic Unit 10190015.

AQUIFER.--Brule Formation.

WELL CHARACTERISTICS.--Depth of well, 100 ft below land surface.

DATUM.--Elevation of land surface is 5,125 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, at land surface.

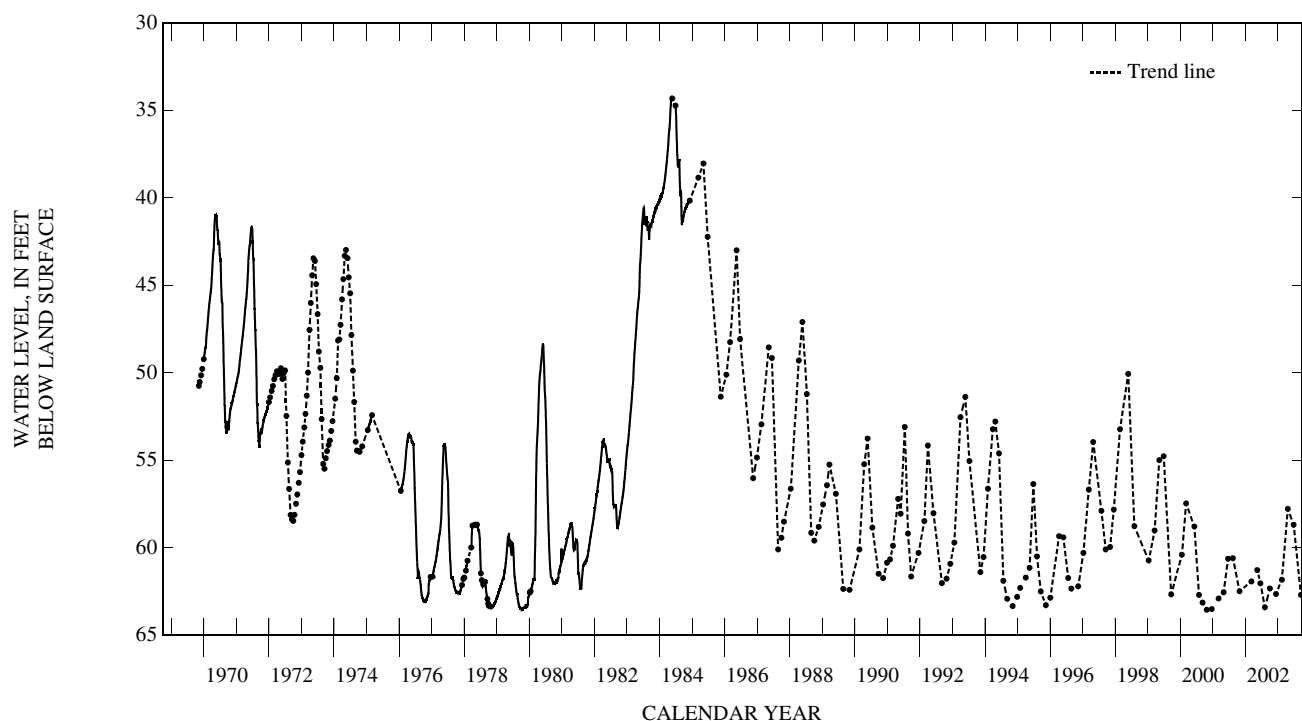
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 34.18 ft below land surface, May 20, 1984; lowest, 63.54 ft below land surface, Oct. 23, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 02	62.32	DEC 10	62.64	FEB 13	61.82	APR 21	57.77	JUN 25	58.68	SEP 15	62.69
WATER YEAR 2003		HIGHEST	57.77	APR 21, 2003	LOWEST	62.69	SEP 15, 2003				



LARAMIE COUNTY—Continued

IDENTIFICATION.--Station number, 410324104481701. Local number, 13-066-32bbd01. Local name, Laramie County #14.

LOCATION.--Lat 41°03'24", long 104°48'17", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.32, T.13 N., R.66 W., Hydrologic Unit 10190009.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Depth of well, 160 ft below land surface.

DATUM.--Elevation of land surface is 6,180 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.3 ft above land surface.

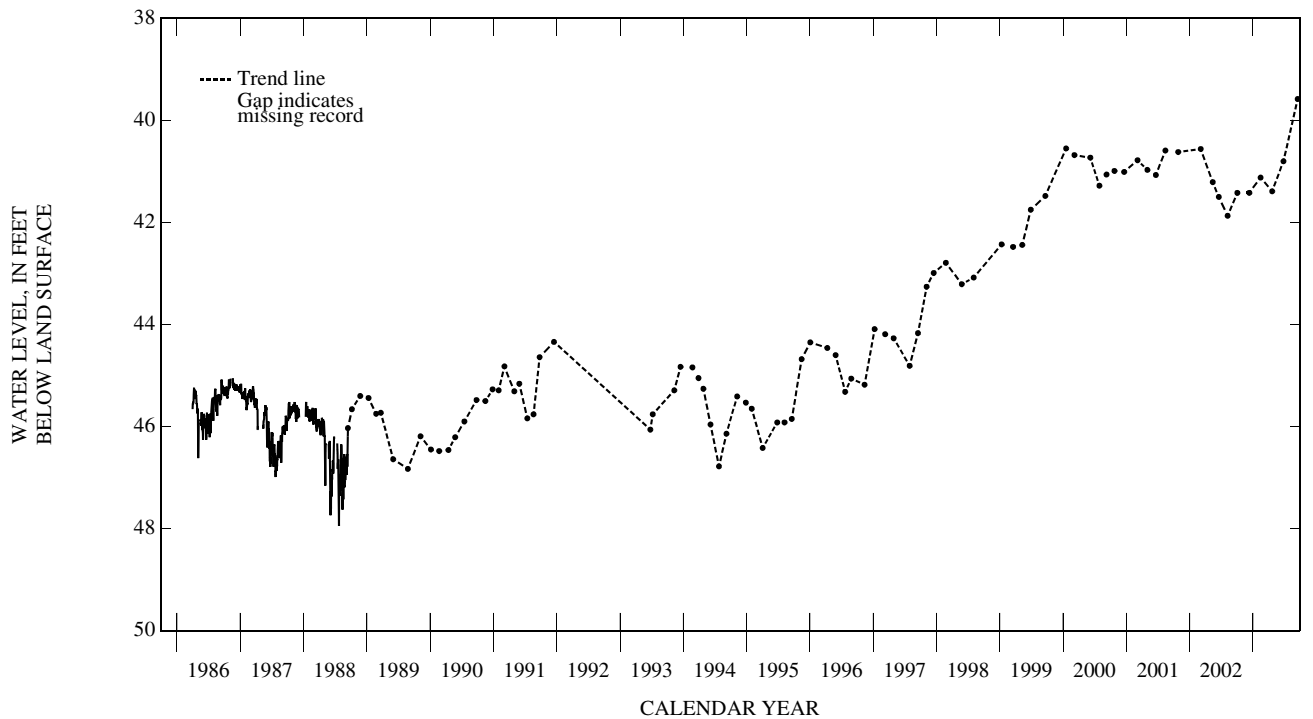
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 39.58 ft below land surface, from hand-measured data, Sept. 15, 2003; lowest, 47.95 ft below land surface, July 23, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 02	41.42	DEC 10	41.42	FEB 13	41.12	APR 21	41.39	JUN 25	40.80	SEP 15	39.58
WATER YEAR 2003		HIGHEST	39.58	SEP 15, 2003	LOWEST	41.42	OCT 02, 2002	DEC 10, 2002			



GROUND-WATER LEVELS

LARAMIE COUNTY—Continued

IDENTIFICATION.--Station number, 410530104574001. Local number, 13-068-13ccc01. Local name, Borie.

LOCATION.--Lat 41°05'30", long 104°57'40", in SW¹/₄ SW¹/₄ SW¹/₄ sec.13, T.13 N., R.68 W., Hydrologic Unit 10190009.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Depth of well, unknown.

DATUM.--Elevation of land surface is 6,528 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 0.80 ft above land surface.

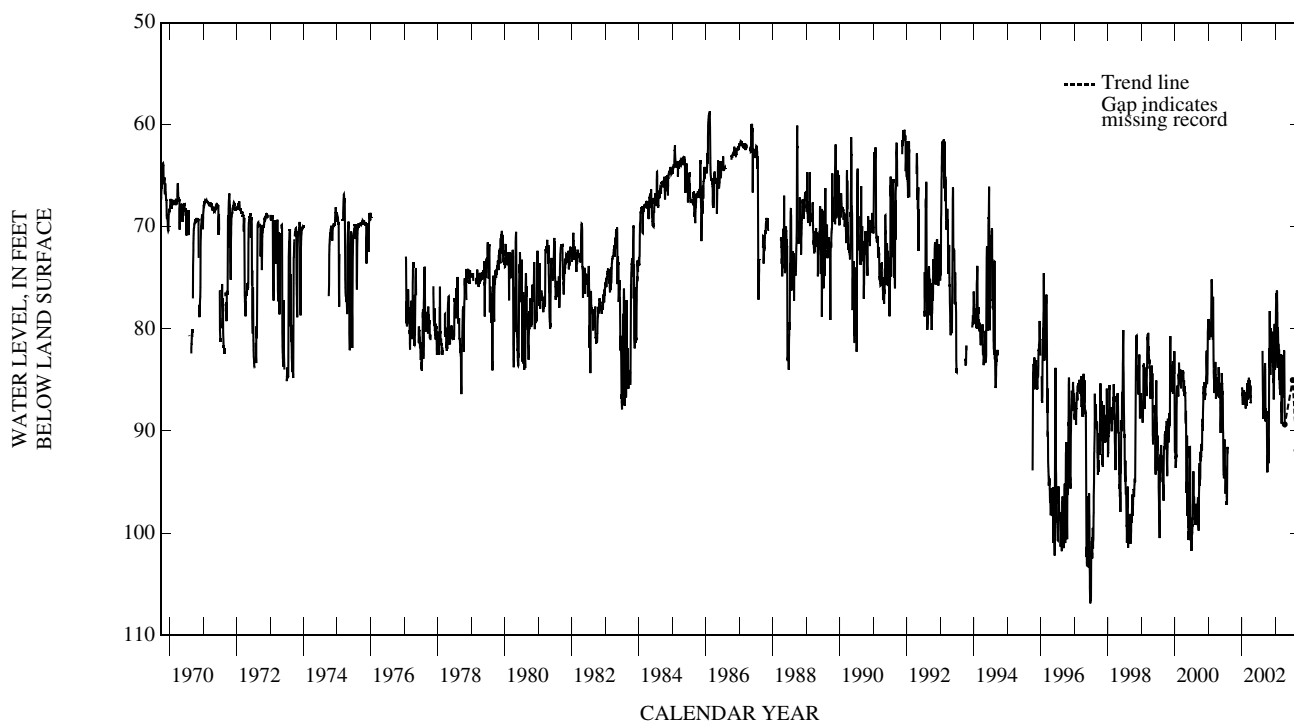
REMARKS.--Data collected by U.S. Geological Survey.

PERIOD OF RECORD.--1942 to 1950, 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 36.78 ft below land surface, from hand-measured data, Mar. 23, 1945; lowest, 106.91 ft below land surface, June 23, 1997.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	92.45	83.57	82.63	80.08	82.64	82.51	82.57	83.50	---	---	---	---
10	92.75	80.29	84.83	76.97	82.03	89.29	83.96	---	---	---	---	---
15	91.21	80.25	86.92	76.97	84.91	88.24	90.55	---	---	---	---	---
20	92.63	81.51	83.73	76.90	85.86	82.72	92.17	---	---	---	---	---
25	83.46	82.05	79.83	81.47	85.68	83.83	87.94	---	---	---	---	---
EOM	79.04	80.54	82.88	80.35	85.76	86.18	86.17	---	---	---	---	---
MIN	94.06	84.51	86.92	83.82	86.49	89.29	92.24	---	---	---	---	---
MAX	79.04	78.26	79.51	76.26	80.94	82.51	82.12	---	---	---	---	---



LARAMIE COUNTY—Continued

IDENTIFICATION.--Station number, 411238104070801. Local number, 14-060-05bcb01. Local name, C.C. Gross.

LOCATION.--Lat 41° 12'38", long 104° 07'08.5", in NW¹/₄ SW¹/₄ NW¹/₄ sec.5, T.14 N., R.60 W., Hydrologic Unit 10190015.

AQUIFER.--Brule Formation.

WELL CHARACTERISTICS.--Depth of well, 100 ft below land surface.

DATUM.--Elevation of land-surface is 5,082 ft above NGVD of 1929, from topographic map. Measuring point: bottom of shelf, 3.35 ft above land surface.

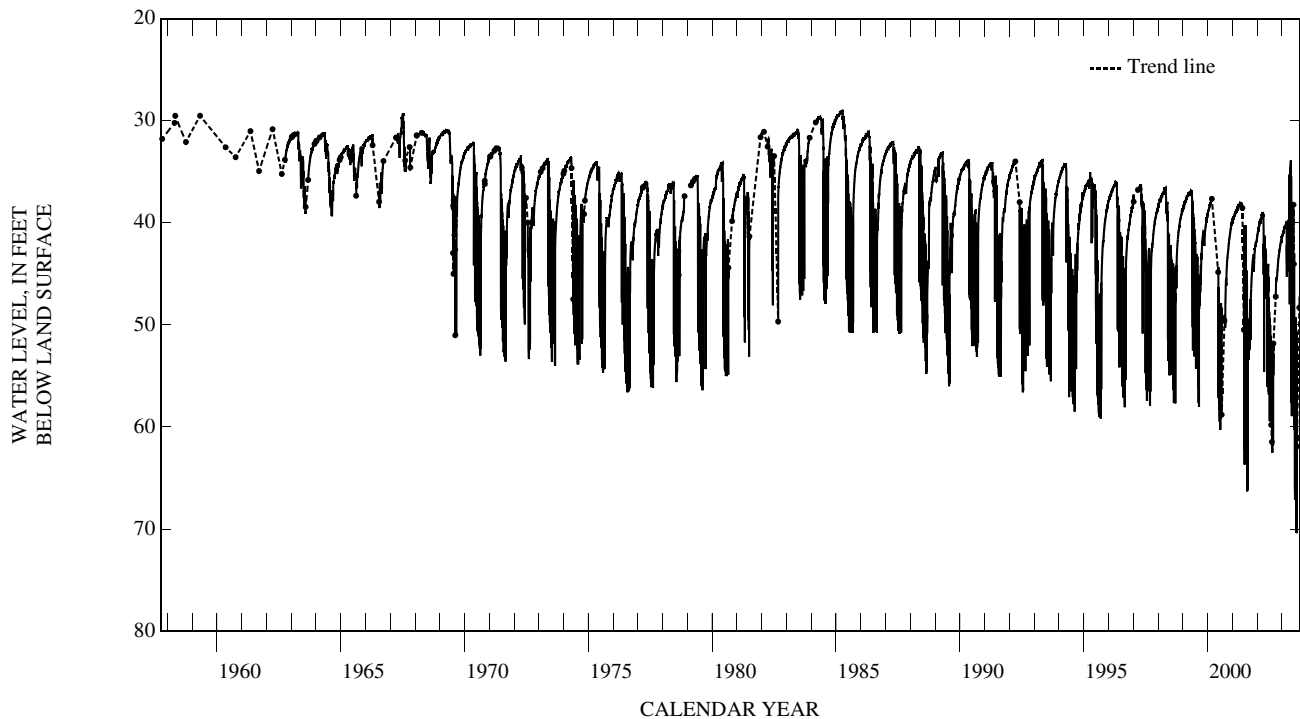
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 28.96 ft below land surface, Apr. 3, 4, 1985; lowest, 74.51 ft below land surface, Aug. 12, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	46.53	44.02	42.39	41.38	40.66	40.05	39.91	34.67	39.61	59.37	53.67	---
10	45.56	43.62	42.16	41.24	40.50	39.99	39.82	34.32	49.80	63.31	70.41	---
15	45.46	43.37	41.98	41.08	40.46	45.28	40.68	38.72	39.10	55.56	---	---
20	45.39	43.08	41.80	40.93	40.36	40.96	41.27	35.60	38.55	50.98	---	47.71
25	44.96	42.78	41.69	40.84	40.28	40.37	35.26	40.74	---	64.29	---	48.15
EOM	44.45	42.58	41.45	40.72	40.20	40.05	36.30	43.59	43.85	54.39	---	48.11
MIN	---	44.34	42.49	41.46	40.74	45.28	48.00	58.95	---	67.14	---	---
MAX	---	42.58	41.45	40.72	40.20	39.99	35.26	33.89	---	43.01	---	---



LARAMIE COUNTY—Continued

IDENTIFICATION.--Station number, 411022104141201. Local number, 14-061-18ddd01. Local name, Laramie County #2.

LOCATION.--Lat 41° 10'22", long 104° 14'12", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.14 N., R.61 W., Hydrologic Unit 10190015.

AQUIFER.--Brule Formation.

WELL CHARACTERISTICS.--Depth of well, 90 ft below land surface.

DATUM.--Elevation of land surface is 5,264 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.70 ft above land surface.

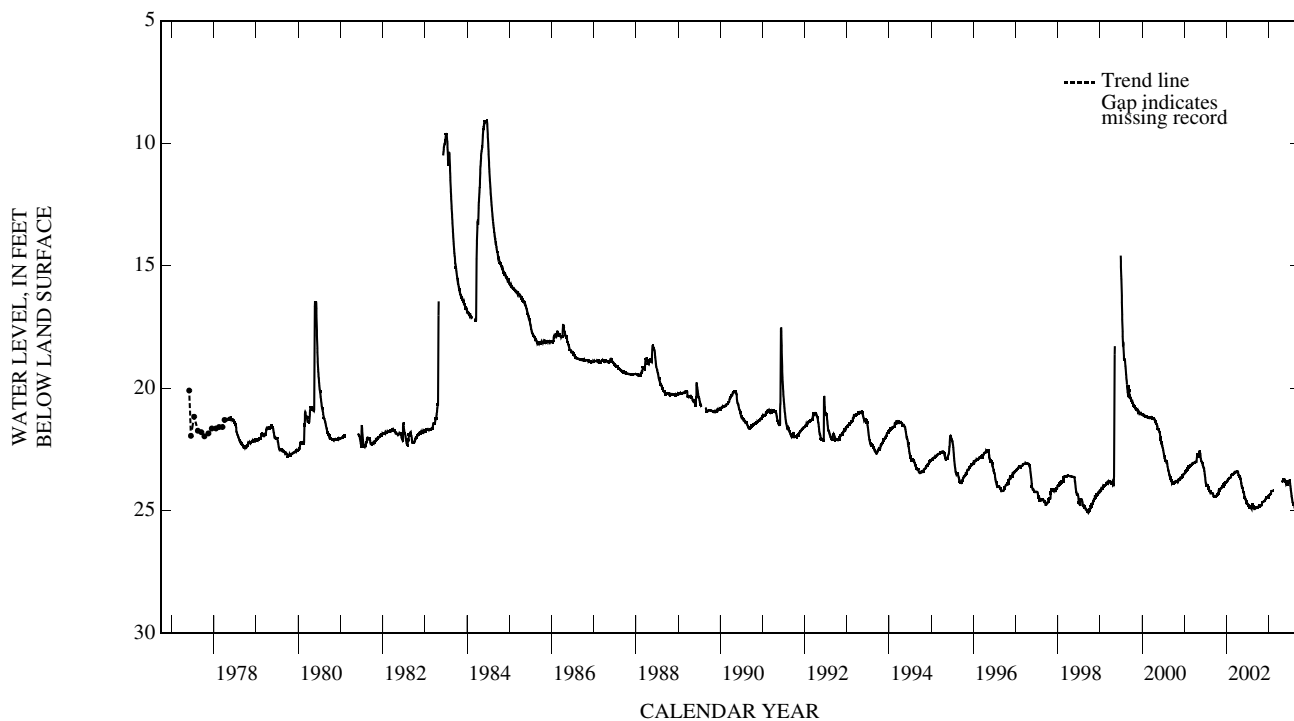
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 9.08 ft below land surface, June 18, 1984; lowest, 25.15 ft below land surface, Sept. 15-21, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.83	24.66	24.53	24.37	24.19	---	---	23.80	23.95	23.96	24.74	25.17
10	24.82	24.65	24.41	24.36	24.19	---	---	23.74	23.92	24.15	24.79	25.19
15	24.80	24.65	24.47	24.32	---	---	---	23.72	23.91	24.36	24.94	25.15
20	24.80	24.62	24.47	24.32	---	---	---	23.81	23.83	24.49	24.99	25.14
25	24.79	24.61	24.45	24.20	---	---	23.83	23.83	23.78	24.66	25.01	25.11
EOM	24.79	24.56	24.39	24.20	---	---	23.81	23.92	23.79	24.72	25.10	25.09
MIN	---	24.78	24.56	24.39	---	---	---	23.92	23.96	24.72	25.10	25.20
MAX	---	24.56	24.39	24.20	---	---	---	23.72	23.78	23.80	24.72	25.09



LARAMIE COUNTY—Continued

IDENTIFICATION.--Station number, 41114104242501. Local number, 14-063-15aaa01. Local name, Laramie County #3.

LOCATION.--Lat 41° 11' 14", long 104° 24' 25", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.15, T.14 N., R.63 W., Hydrologic Unit 10190015.

AQUIFER.--Arikaree Formation.

WELL CHARACTERISTICS.--Depth of well, 165 ft below land surface.

DATUM.--Elevation of land surface is 5,489 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.3 ft above land surface.

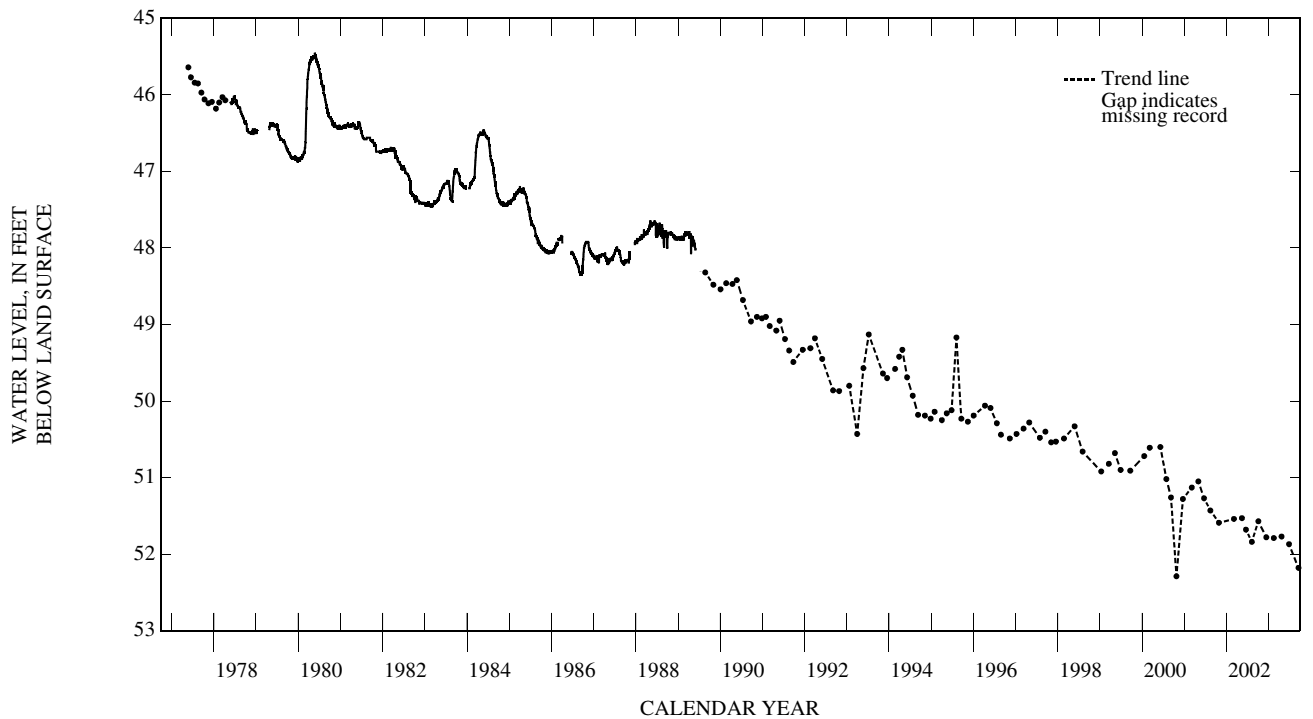
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 45.45 ft below land surface, May 24, 1980; lowest, 52.29 ft below land surface, from hand-measured data, Oct. 23, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 02	51.57	DEC 10	51.78	FEB 13	51.79	APR 21	51.77	JUN 25	51.87	SEP 15	52.18
WATER YEAR 2003 HIGHEST 51.57 OCT 02, 2002 LOWEST 52.18 SEP 15, 2003											



GROUND-WATER LEVELS

LARAMIE COUNTY—Continued

IDENTIFICATION.--Station number, 411005104355001. Local number, 14-064-19bcc01. Local name, Laramie County #9.

LOCATION.--Lat 41° 10'05", long 104° 35'50", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.19, T.14 N., R.64 W., Hydrologic Unit 10190015.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Depth of well, 180 ft below land surface.

DATUM.--Elevation of land surface is 5,880 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.5 ft above land surface.

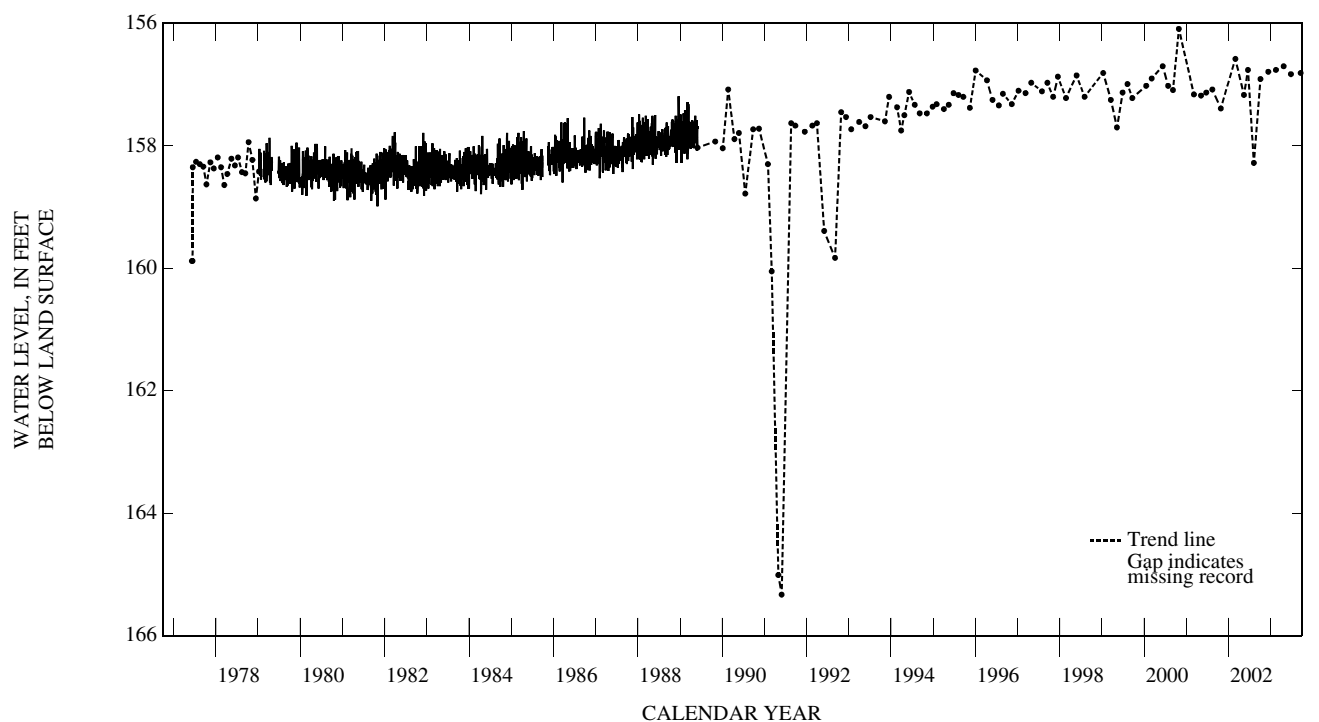
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 156.70 ft below land surface, from hand-measured data, June 9, 2000 and April 22, 2003; lowest, 165.33 ft below land surface, from hand-measured data, May 30, 1991.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 03	156.91	DEC 10	156.79	FEB 14	156.76	APR 22	156.70	JUN 24	156.83	SEP 16	156.81
WATER YEAR 2003 HIGHEST 156.70 APR 22, 2003 LOWEST 156.91 OCT 03, 2002											



LARAMIE COUNTY—Continued

IDENTIFICATION.--Station number, 411210104452001. Local number, 14-066-10aba01. Local name, Laramie County #8.

LOCATION.--Lat 41° 12' 10", long 104° 45' 20", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.10, T.14 N., R.66 W., Hydrologic Unit 10190015.

AQUIFER.--Ogalalla Formation.

WELL CHARACTERISTICS.--Depth of well, 190 ft below land surface.

DATUM.--Elevation of land surface is 6,090 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.40 ft above land surface.

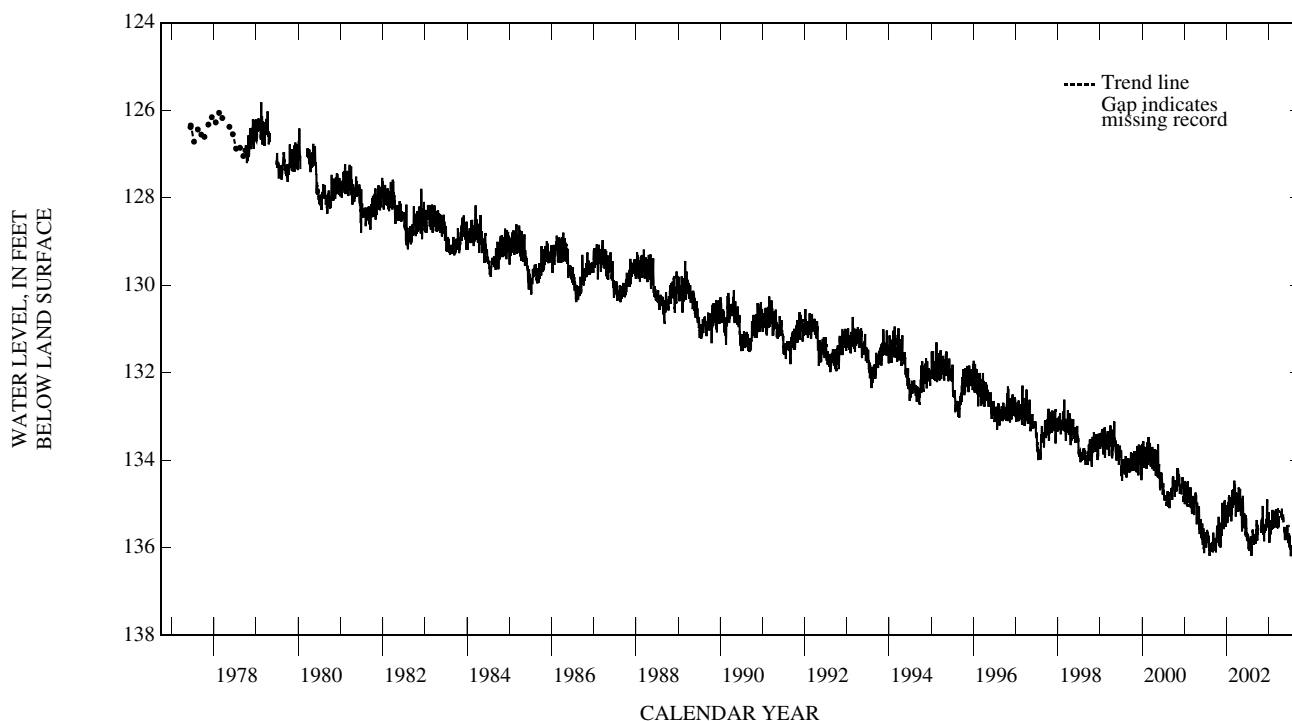
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 125.82 ft below land surface, Feb. 14, 1979; lowest, 136.46 ft below land surface, Aug. 13, 14, 20, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	135.34	---	135.59	135.39	135.14	---	135.24	135.71	136.04	136.06	136.07
10	---	135.09	135.38	135.59	135.28	135.55	---	---	135.52	136.20	136.25	---
15	---	135.63	135.32	135.56	135.44	135.47	135.16	135.53	135.84	136.04	136.23	---
20	---	135.75	135.36	135.41	135.40	135.54	---	135.83	135.48	---	136.12	---
25	135.51	135.59	135.47	135.58	135.40	135.52	135.35	135.67	135.67	---	136.20	---
EOM	135.63	135.58	135.32	135.34	135.32	---	135.42	135.73	135.89	136.03	---	---
MIN	---	135.86	---	---	135.57	---	---	---	---	---	---	---
MAX	---	135.05	---	---	135.14	---	---	---	---	---	---	---



LARAMIE COUNTY—Continued

IDENTIFICATION.--Station number, 410616104462401. Local number, 14-066-28adb01. Local name, Cheyenne Ogallala Well.

LOCATION.--Lat 41°09'16.5" (revised), long 104°46'22.4" (revised), in SW¹/₄ NW¹/₄ NE¹/₄ sec.28, T.14 N., R.66 W., Hydrologic Unit 10190009.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Depth of well, 265 ft below land surface.

DATUM.--Elevation of land surface is 6,041.44 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 3.00 ft above land surface.

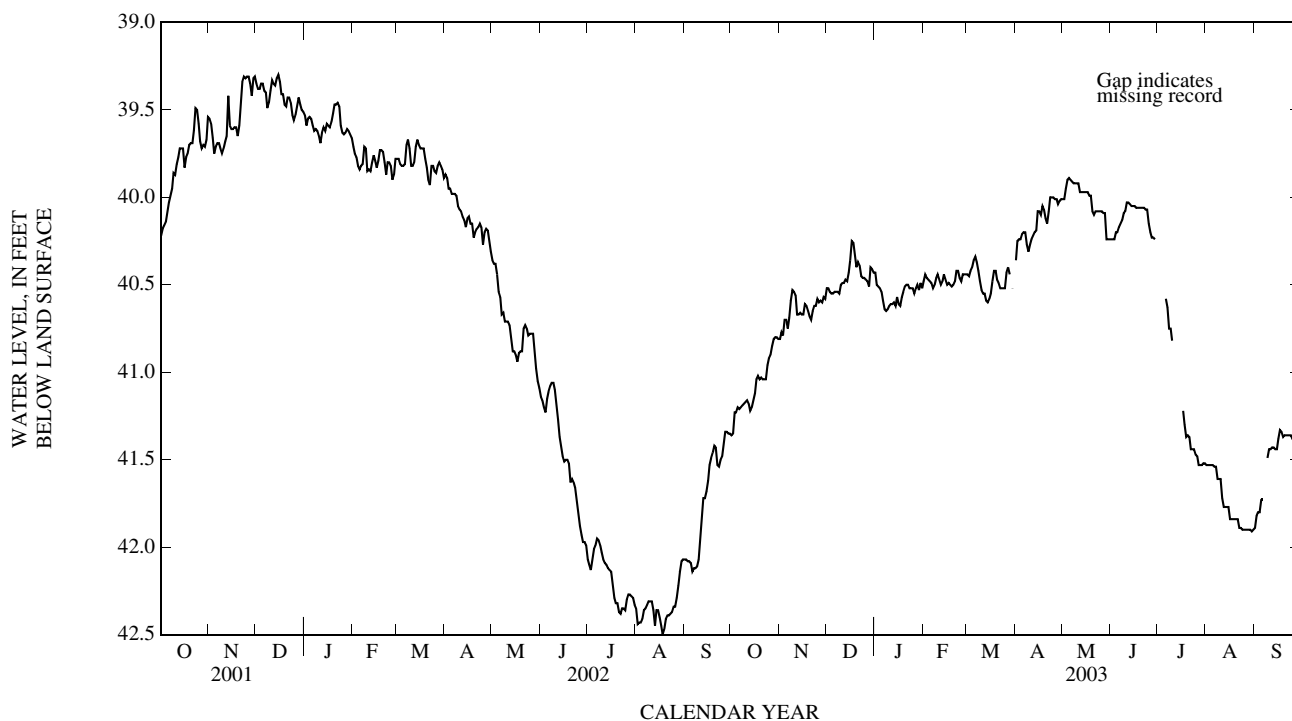
COOPERATION.--Data collected by U.S. Geological Survey.

PERIOD OF RECORD.--2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 39.30 ft below land surface, Dec. 15, 2001; lowest, 42.52 ft below land surface, Aug. 19, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	41.20	40.70	40.55	40.54	40.48	40.36	40.21	39.89	40.20	---	41.53	41.73
10	41.17	40.54	40.50	40.62	40.44	40.53	40.27	39.92	40.08	40.82	41.61	41.44
15	41.16	40.67	40.43	40.57	40.47	40.58	40.08	39.97	40.05	---	41.77	41.44
20	41.03	40.68	40.40	40.51	40.50	40.47	40.12	40.08	40.06	41.36	41.84	41.36
25	40.92	40.58	40.46	40.52	40.48	40.52	40.00	40.08	40.15	41.47	41.90	41.38
EOM	40.81	40.58	40.43	40.52	40.44	---	40.01	40.24	---	41.52	41.90	41.50
MIN	41.36	40.81	40.55	40.65	40.52	---	40.36	40.24	---	---	41.91	---
MAX	40.80	40.53	40.25	40.43	40.42	---	40.00	39.89	---	---	41.53	---



LARAMIE COUNTY—Continued

IDENTIFICATION.--Station number, 411213104501401. Local number, 14-067-12abb01. Local name, Laramie County #10.

LOCATION.--Lat 41° 12' 13.5", long 104° 50' 14", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.12, T.14 N., R.67 W., Hydrologic Unit 10190009.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Depth of well, 220 ft below land surface.

DATUM.--Elevation of land surface is 6,230 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.25 ft above land surface.

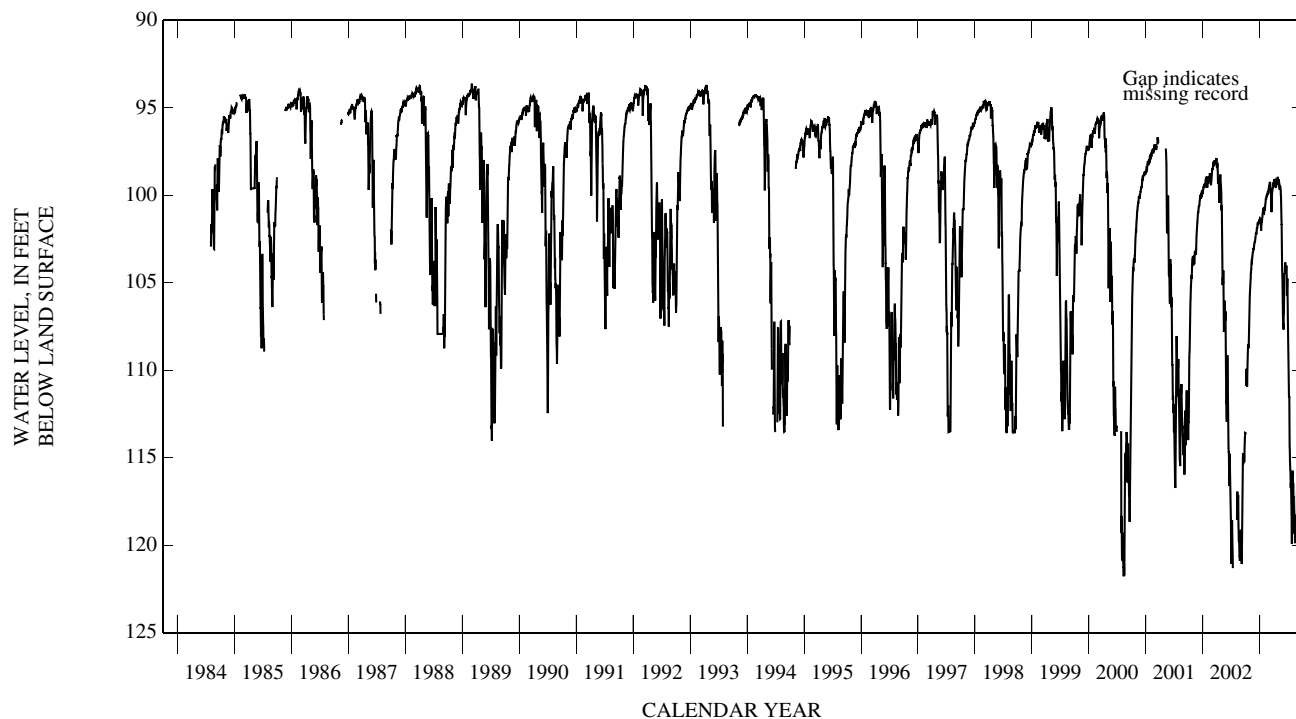
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 93.62 ft below land surface, Mar. 3, 1989; lowest, 121.78 ft below land surface, Aug. 11, 2000.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	110.44	104.44	102.30	101.53	100.52	99.31	99.16	99.51	105.66	110.22	117.25	112.07
10	110.42	103.76	102.11	101.75	100.24	99.77	99.15	99.49	104.44	113.76	118.83	110.30
15	109.13	103.44	101.90	101.35	99.99	100.69	99.53	99.96	104.13	115.67	119.89	109.23
20	108.50	103.18	101.61	100.95	99.86	99.91	99.34	101.68	104.02	116.68	118.40	108.73
25	106.62	102.87	101.53	100.75	99.77	99.58	99.03	104.46	104.89	119.93	118.52	110.51
EOM	105.19	102.66	101.42	100.75	99.53	99.29	99.23	107.38	107.14	116.36	113.75	111.36
MIN	---	104.98	102.61	102.02	100.86	100.96	99.53	107.56	107.68	119.93	119.89	113.03
MAX	---	102.66	101.38	100.75	99.53	99.24	98.94	99.10	103.88	107.56	113.75	108.70



GROUND-WATER LEVELS

LARAMIE COUNTY—Continued

IDENTIFICATION.--Station number, 411034104554001. Local number, 14-067-18ddc01. Local name, Bell #14.

LOCATION.--Lat 41° 10' 34", long 104° 55' 40", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.18, T.14 N., R.67 W., Hydrologic Unit 10190009.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Depth of well, 229 ft below land surface.

DATUM.--Elevation of land surface is 6,248 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.50 ft above land surface.

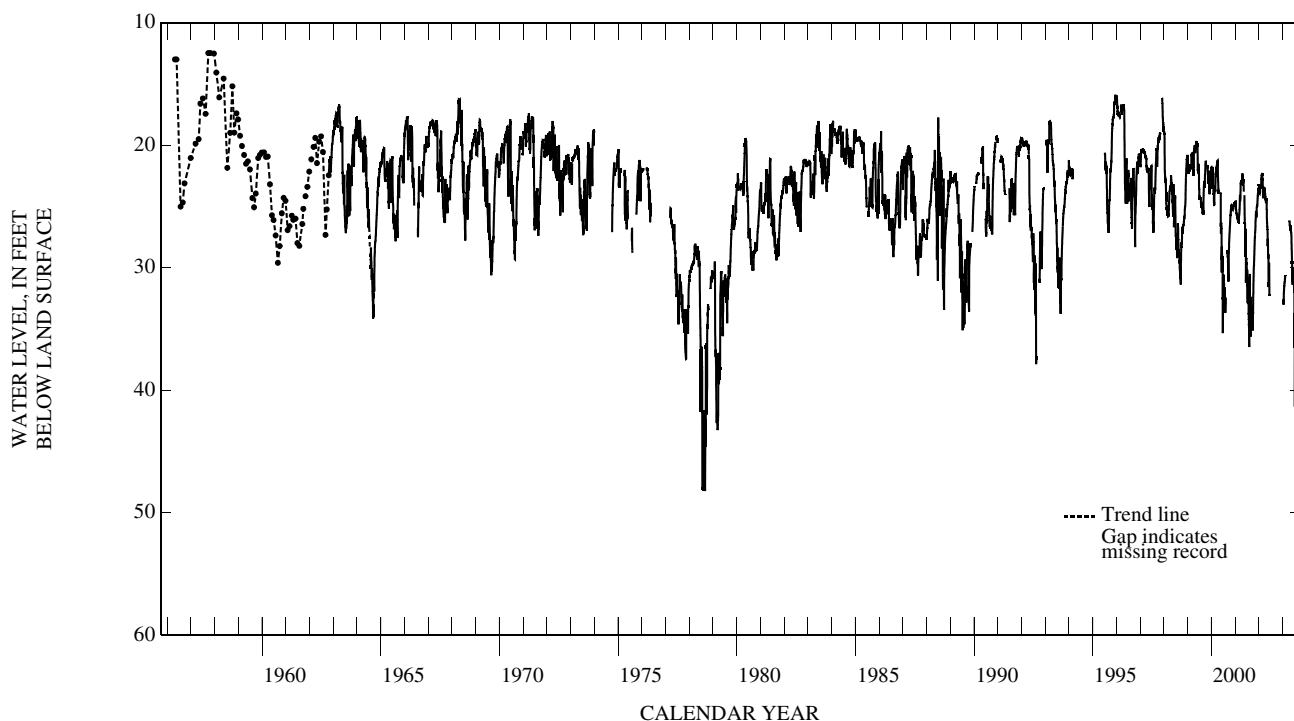
REMARKS.--Data collected by U.S. Geological Survey.

PERIOD OF RECORD.--1956 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 12.48 ft below land surface, from hand measured data, Sept. 26, Oct. 28, 1957; lowest, 57.93 ft below land surface, Sept. 25, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	31.01	---	---	26.60	30.89	33.74	37.93	39.95
10	---	---	---	32.64	30.66	---	---	27.00	29.99	36.62	36.35	40.03
15	---	---	---	32.93	---	---	26.14	27.32	30.05	43.18	39.86	37.58
20	---	---	---	32.09	---	---	26.55	28.48	30.76	36.58	---	38.64
25	---	---	---	31.63	---	---	26.86	29.61	31.93	36.56	39.34	54.59
EOM	---	---	---	31.27	---	---	26.86	31.17	31.95	32.69	42.58	37.29
MIN	---	---	---	---	---	---	---	31.17	31.95	43.18	---	54.59
MAX	---	---	---	---	---	---	---	26.56	29.96	32.04	---	37.29



LARAMIE COUNTY—Continued

IDENTIFICATION.--Station number, 410930104524701. Local number, 14-067-27bac01. Local name, Laramie County #13.

LOCATION.--Lat 41°09'30", long 104°52'47", in SW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.27, T.14 N., R.67 W., Hydrologic Unit 10190009.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Depth of well, 140 ft below land surface.

DATUM.--Elevation of land surface is 6,180 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.8 ft above land surface.

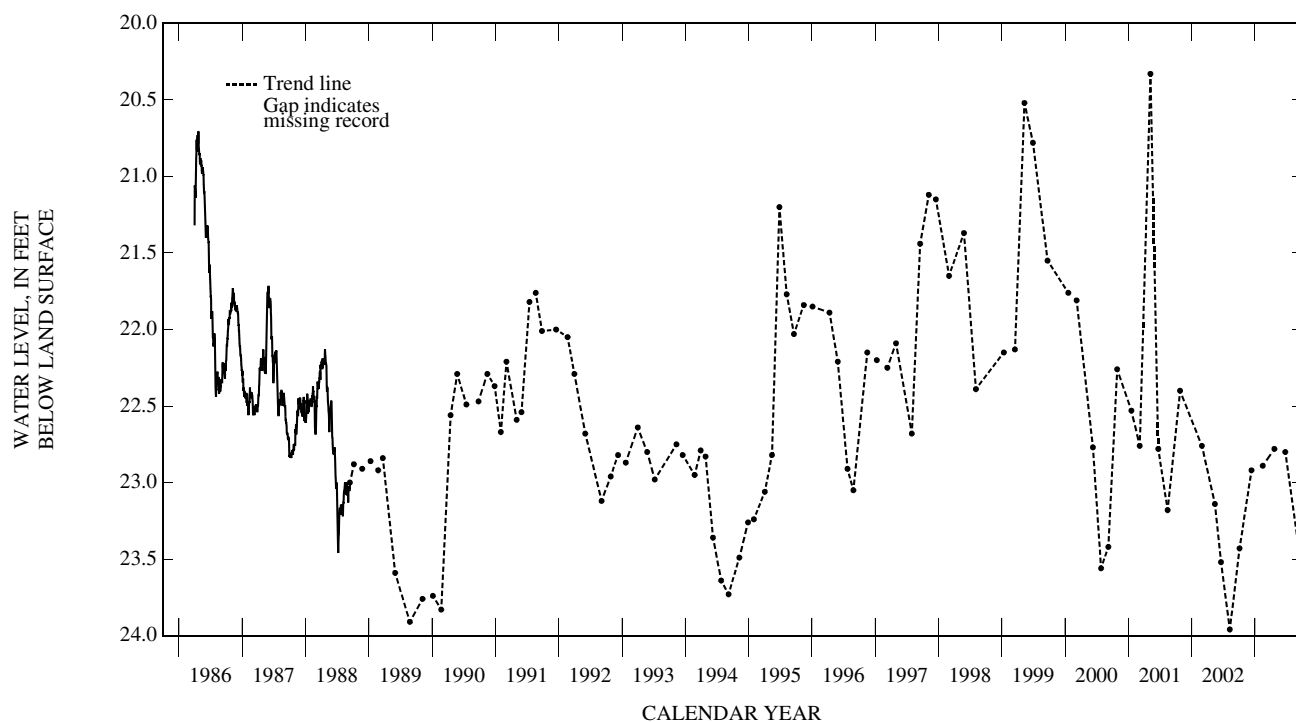
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 20.52 ft below land surface, from hand-measured data, May 11, 1999; lowest, 23.96 ft below land surface, Aug. 8, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 03	23.43	DEC 11	22.92	FEB 14	22.89	APR 22	22.78	JUN 24	22.80	SEP 16	23.48
WATER YEAR 2003 HIGHEST 22.78 APR 22, 2003 LOWEST 23.48 SEP 16, 2003											



GROUND-WATER LEVELS

LARAMIE COUNTY—Continued

IDENTIFICATION.--Station number, 410838104530401. Local number, 14-067-34bbc01. Local name, Laramie County #11.

LOCATION.--Lat 41°08'38", long 104°53'04", in SW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.34, T.14 N., R.67 W., Hydrologic Unit 10190009.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Depth of well, 162 ft below land surface.

DATUM.--Elevation of land surface is 6,210 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.50 ft above land surface.

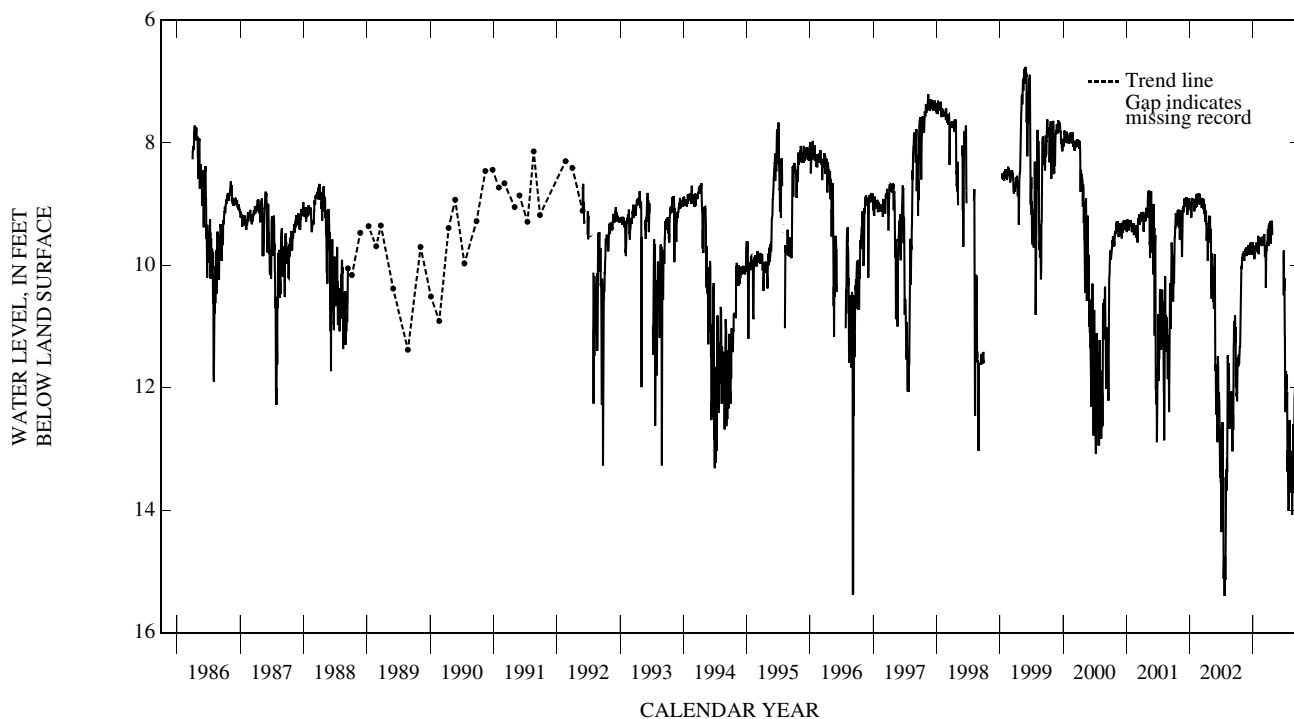
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.76 ft below land surface, May 29, 1999; lowest, 15.40 ft below land surface, July 20, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.51	9.89	9.68	9.76	9.60	9.53	9.39	---	---	11.76	13.03	11.53
10	11.47	9.88	9.69	9.73	9.63	9.86	9.61	---	---	11.73	13.54	11.37
15	11.41	9.78	9.68	9.67	9.61	10.37	9.44	---	---	12.20	13.79	11.85
20	10.66	9.77	9.67	9.75	9.55	9.77	9.37	---	---	13.02	12.60	---
25	10.01	9.77	9.73	9.68	9.60	9.62	---	---	10.49	13.91	12.76	---
EOM	9.87	9.78	9.73	9.60	9.59	9.48	---	---	10.21	12.59	11.77	---
MIN	12.08	9.93	9.83	9.90	9.82	10.37	---	---	---	14.01	14.08	---
MAX	9.87	9.71	9.62	9.52	9.53	9.41	---	---	---	10.46	11.77	---



LARAMIE COUNTY—Continued

IDENTIFICATION.--Station number, 410827104501601. Local number, 14-067-36acb01. Local name, Pioneer Park.

LOCATION.--Lat 41°08'29.5 (revised)", long 104°50'18" (revised), in NW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.36, T.14 N., R.67 W., Hydrologic Unit 10190009.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Depth of well, 24 ft below land surface.

DATUM.--Elevation of land surface is 6,099 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.00 ft above land surface.

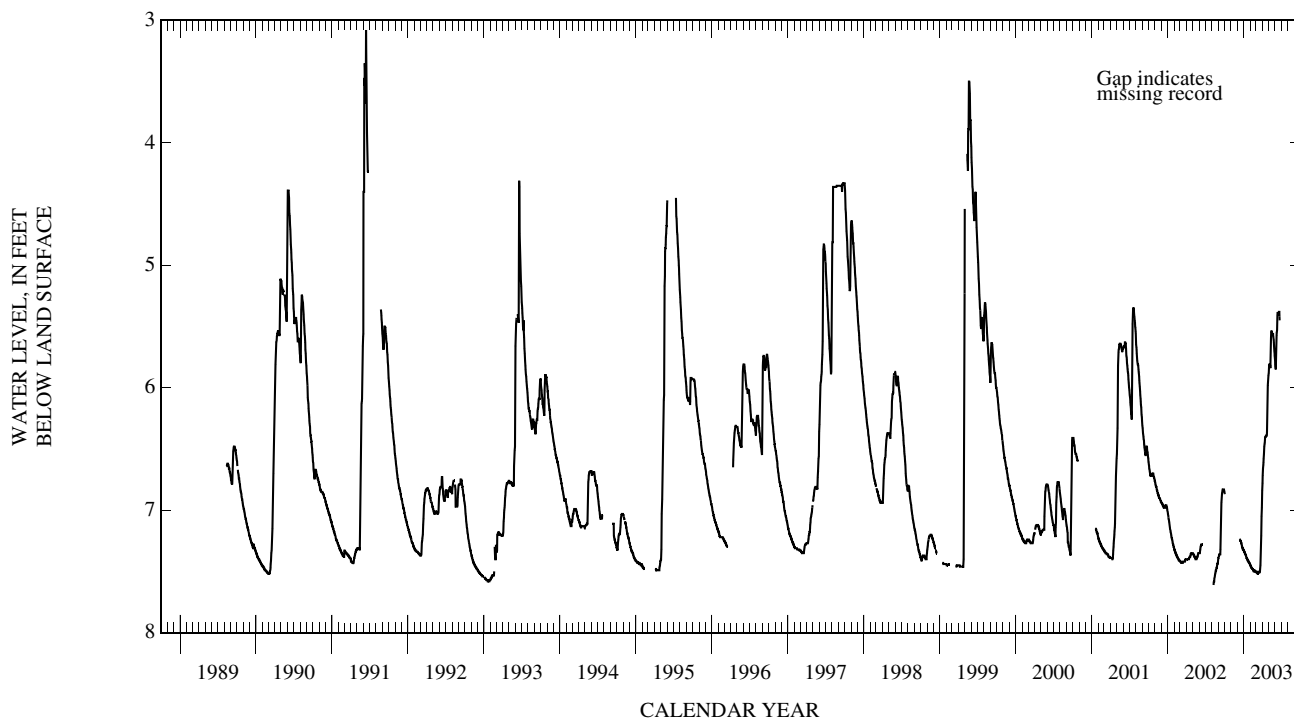
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.08 ft below land surface, June 13, 1991; lowest, 7.72 ft below land surface, Sept. 30, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	7.34	7.46	7.51	6.63	5.81	5.80	---	---	---
10	---	---	---	7.36	7.48	7.52	6.48	5.77	5.53	---	---	---
15	---	---	7.25	7.39	7.49	7.51	6.40	5.54	5.39	---	---	---
20	---	---	7.27	7.41	7.50	7.50	6.39	5.56	5.38	---	---	7.66
25	---	---	7.30	7.42	7.50	7.28	6.08	5.61	---	---	---	7.70
EOM	---	---	7.32	7.44	7.50	6.84	5.90	5.77	---	---	---	7.71
MIN	---	---	---	7.44	7.50	7.52	6.78	5.88	---	---	---	---
MAX	---	---	---	7.33	7.45	6.84	5.90	5.54	---	---	---	---



LARAMIE COUNTY—Continued

IDENTIFICATION.--Station number, 410757104582302. Local number, 14-068-35ddc02. Local name, King #3.

LOCATION.--Lat 41° 07' 57", long 104° 58' 23", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.35, T.14 N., R.68 W., Hydrologic Unit 10190009.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Depth of well, 230 ft below land surface.

DATUM.--Elevation of land surface is 6,520 ft above NGVD of 1929, from levels. Measuring point: top of casing, at land surface.

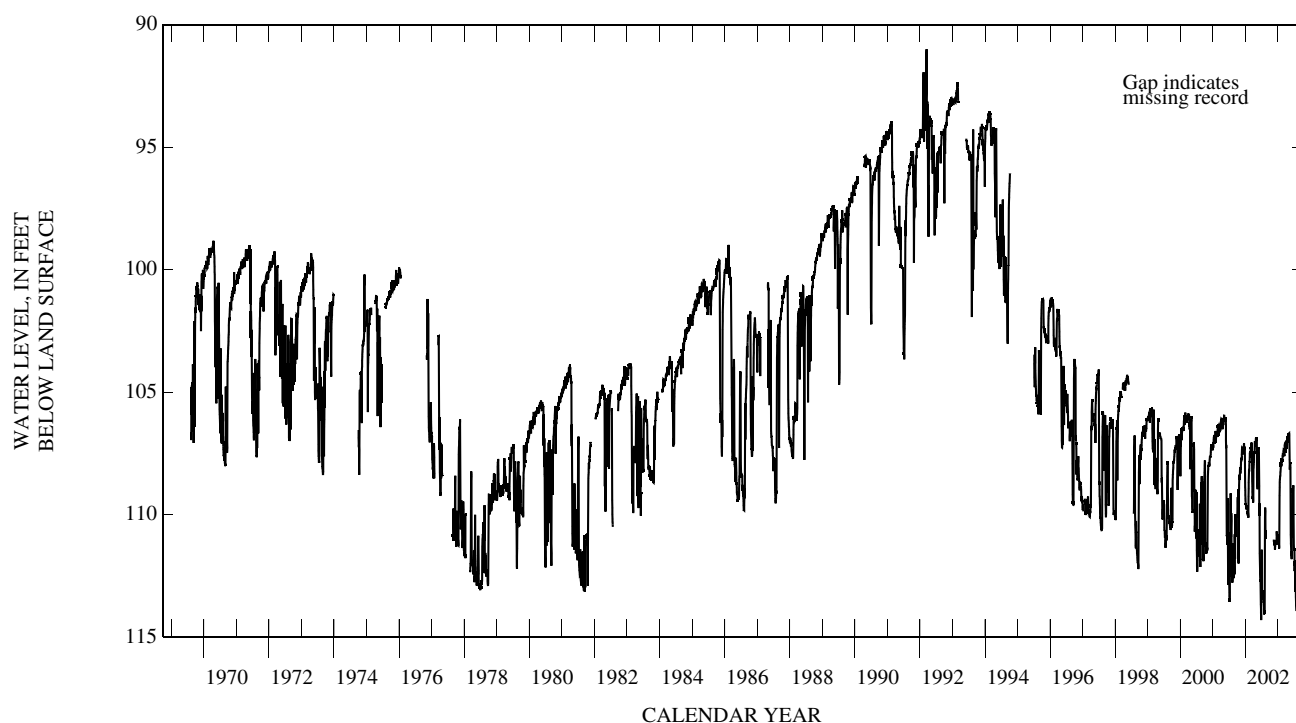
REMARKS.--Data collected by U.S. Geological Survey.

PERIOD OF RECORD.--1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 91.00 ft below land surface, Mar. 15, 1992; lowest, 114.38 ft below land surface, June 26, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	111.18	111.09	107.95	107.37	107.02	106.68	110.96	112.26	111.62	110.09
10	---	---	111.13	111.16	107.82	107.62	107.27	107.40	109.09	112.31	112.89	110.63
15	---	111.03	111.06	110.99	107.77	107.47	106.87	108.01	110.82	112.19	112.83	112.09
20	---	111.17	110.89	108.68	107.76	107.28	106.93	109.13	109.03	113.37	112.82	113.94
25	---	111.13	111.00	108.43	107.63	107.36	106.72	111.07	110.53	113.67	110.97	113.09
EOM	---	111.28	110.84	108.15	107.54	107.36	106.83	111.64	111.48	113.29	112.16	114.19
MIN	---	---	111.23	111.39	108.03	107.62	107.32	111.64	111.82	113.94	113.28	114.31
MAX	---	---	110.69	108.15	107.54	107.14	106.69	106.68	108.81	111.44	110.63	110.04



LARAMIE COUNTY—Continued

IDENTIFICATION.--Station number, 411531104194701. Local number, 15-062-20aaa01. Local name, Laramie County #4.

LOCATION.--Lat 41° 15' 31", long 104° 19' 47", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.20, T.15 N., R.62 W., Hydrologic Unit 10190015.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Depth of well, 165 ft below land surface.

DATUM.--Elevation of land surface is 5,510 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.0 ft above land surface.

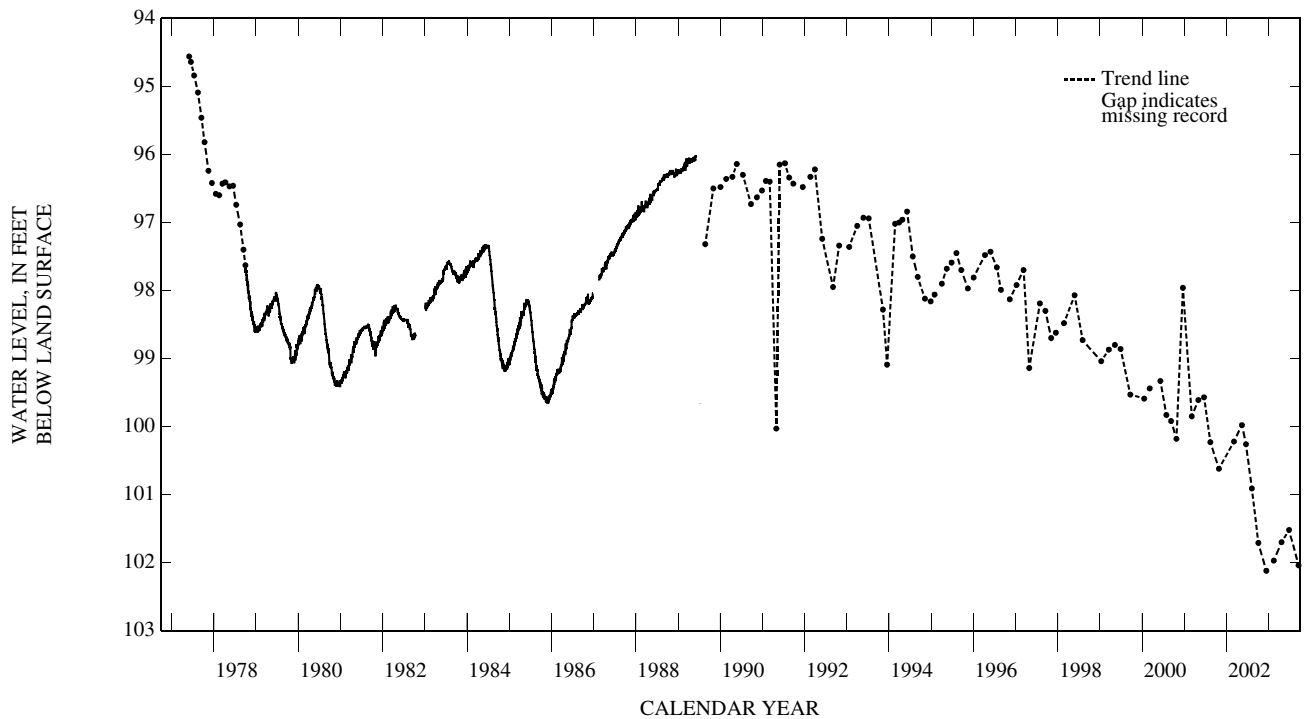
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 94.56 ft below land surface, from hand-measured data, June 1, 1977; lowest, 102.12 ft below land surface, from hand-measured data, Dec. 10, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 02	101.71	DEC 10	102.12	FEB 13	101.97	APR 21	101.70	JUN 25	101.52	SEP 15	102.04
WATER YEAR 2003 HIGHEST 101.52 JUN 25, 2003 LOWEST 102.12 DEC 10, 2002											



LARAMIE COUNTY—Continued

IDENTIFICATION.--Station number, 412227104081402. Local number, 16-060-07bbb02. Local name, USGS southwest of Albin.

LOCATION.--Lat 41° 23' 42.5", long 104° 05' 29.5", in NW¹/₄ NW¹/₄ NW¹/₄ sec.7, T.16 N., R.60 W., Hydrologic Unit 10190016.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Depth of well, 215 ft below land surface.

DATUM.--Elevation of land surface is 5,310 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.10 ft above land surface.

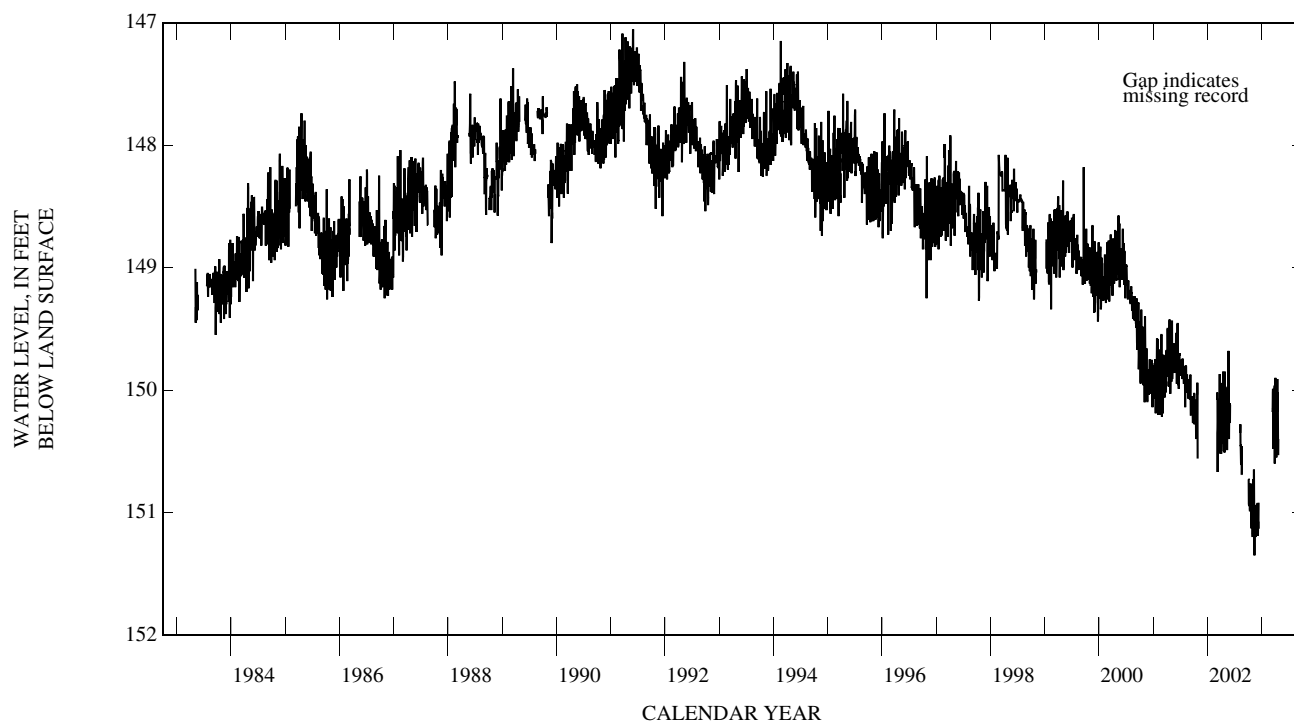
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 147.06 ft below land surface, May 30, 31, 1991; lowest, 151.49 ft below land surface, Nov. 12, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	150.93	150.74	151.19	---	---	---	150.32	---	---	---	---	---
10	150.85	150.84	150.92	---	---	---	150.25	---	---	---	---	---
15	150.82	151.08	---	---	---	150.15	149.91	---	---	---	---	---
20	150.98	151.20	---	---	---	150.48	150.53	---	---	---	---	---
25	150.87	151.02	---	---	---	150.32	---	---	---	---	---	---
EOM	151.20	151.07	---	---	---	150.02	---	---	---	---	---	---
MIN	---	151.35	---	---	---	---	---	---	---	---	---	---
MAX	---	150.65	---	---	---	---	---	---	---	---	---	---



LARAMIE COUNTY—Continued

IDENTIFICATION.--Station number, 411136104125301. Local number, 16-061-17aaa01. Local name, Laramie County #5.

LOCATION.--Lat 41° 21' 36.5" (revised), long 104° 12' 51.5" (revised), in NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.17, T.16 N., R.61 W., Hydrologic Unit 10190016.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Depth of well, 285 ft below land surface.

DATUM.--Elevation of land surface is 5,451 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.30 ft above land surface.

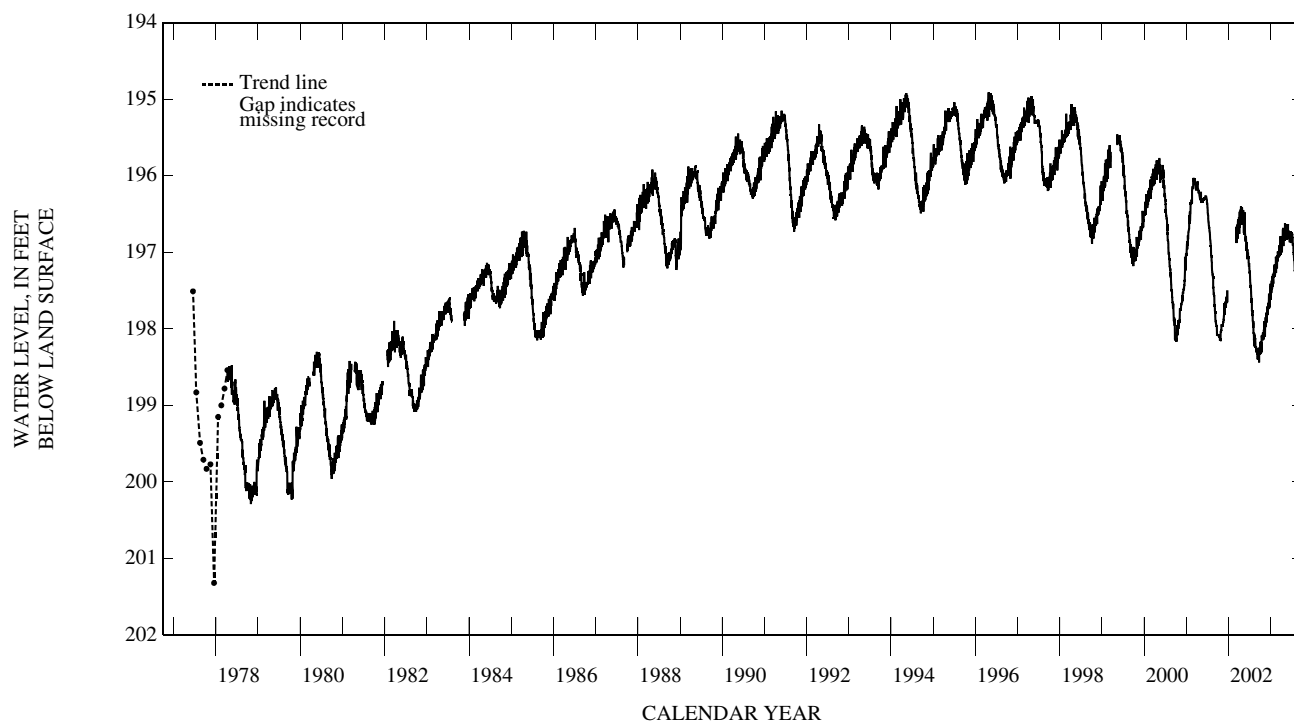
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 194.91 ft below land surface, Apr. 24, 1996; lowest, 201.32 ft below land surface, from hand-measured data, Dec. 16, 1977.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	198.23	198.09	197.79	197.46	197.23	197.03	196.85	196.82	196.83	196.76	197.48	198.08
10	198.17	198.08	197.66	197.44	197.20	197.02	196.85	196.78	196.76	196.91	197.62	198.07
15	198.09	197.98	197.65	197.31	197.27	196.95	196.70	196.70	196.83	196.95	197.70	198.13
20	198.12	197.95	197.60	197.34	197.10	196.97	196.87	196.63	196.73	197.07	197.81	198.14
25	198.08	197.79	197.62	197.31	197.04	196.95	196.80	196.66	196.88	197.17	197.92	198.07
EOM	198.10	197.80	197.45	197.25	197.08	196.82	196.77	196.71	196.74	197.31	198.00	198.15
MIN	198.33	198.10	197.82	197.55	197.32	197.09	197.00	196.85	196.88	197.31	198.04	198.26
MAX	198.05	197.79	197.41	197.21	197.04	196.79	196.68	196.62	196.72	196.74	197.34	198.04



GROUND-WATER LEVELS

LARAMIE COUNTY—Continued

IDENTIFICATION.--Station number, 412343104053101. Local number, 17-060-33cbb01. Local name, USGS south of Albin.

LOCATION.--Lat 41° 23' 42.5" (revised), long 104° 05' 29.5" (revised), in NW¹/₄ NW¹/₄ SW¹/₄ sec.33, T.17 N., R.60 W., Hydrologic Unit 10190016.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Depth of well, 275 ft below land surface.

DATUM.--Elevation of land surface is 5,280 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.00 ft above land surface.

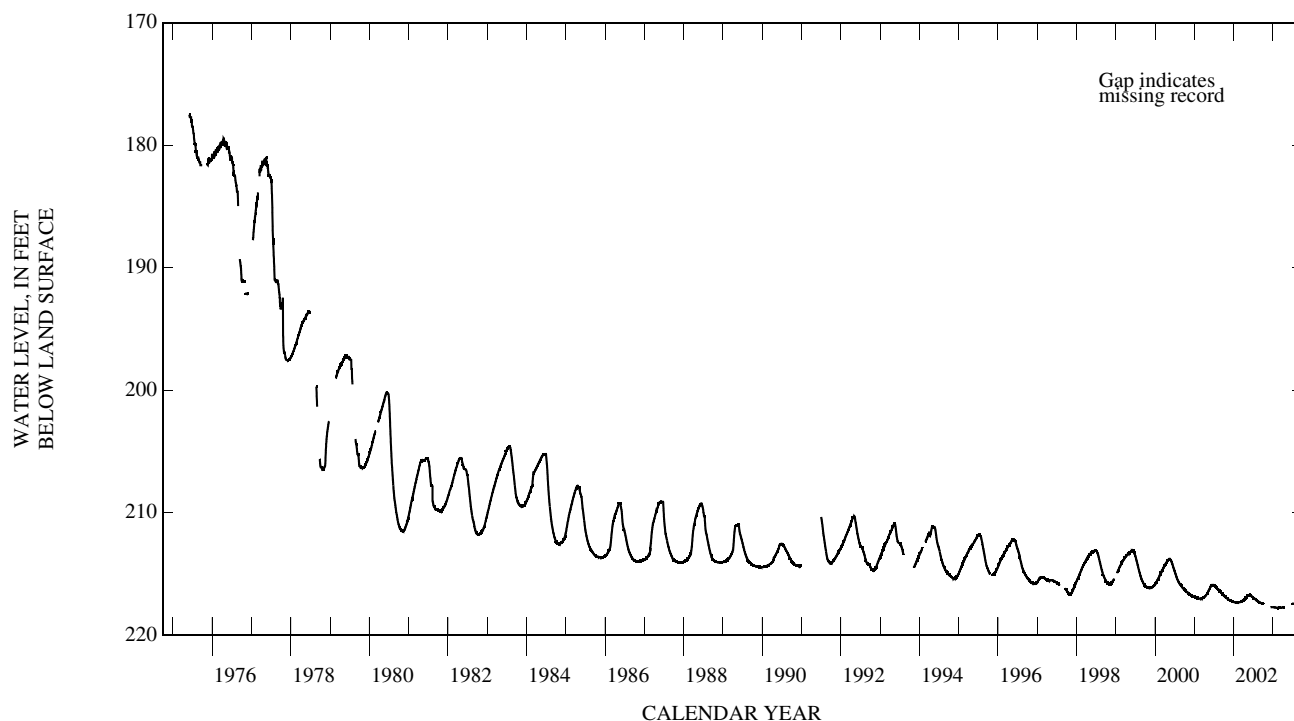
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 177.52 ft below land surface, May 30, 31, 1975; lowest, 217.81 ft below land surface, Feb. 13-16, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	217.73	217.77	217.77	217.76	---	---	217.43	217.52	217.65
10	---	---	---	217.73	217.77	217.77	217.75	---	---	217.43	217.54	217.67
15	---	---	217.72	217.75	217.81	217.77	217.74	---	---	217.44	217.56	217.70
20	---	---	217.72	217.75	217.79	217.77	217.74	---	---	217.46	217.58	217.67
25	---	---	217.72	217.76	217.78	217.77	---	---	---	217.48	217.60	217.67
EOM	---	---	217.72	217.76	217.78	217.77	---	---	217.43	217.50	217.63	217.66
MIN	---	---	---	217.76	217.81	217.78	---	---	---	217.50	217.63	217.70
MAX	---	---	---	217.72	217.76	217.76	---	---	---	217.43	217.50	217.63



LARAMIE COUNTY—Continued

IDENTIFICATION.--Station number, 412605104203001. Local number, 17-062-17ccc01. Local name, Laramie County #6A.

LOCATION.--Lat 41° 26'04", long 104° 20'35" (revised), in SW¹/₄ SW¹/₄ SW¹/₄ sec.17, T.17 N., R.62 W., Hydrologic Unit 10190016.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Depth of well, 360 ft below land surface.

DATUM.--Elevation of land surface is 5,570 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.80 ft above land surface.

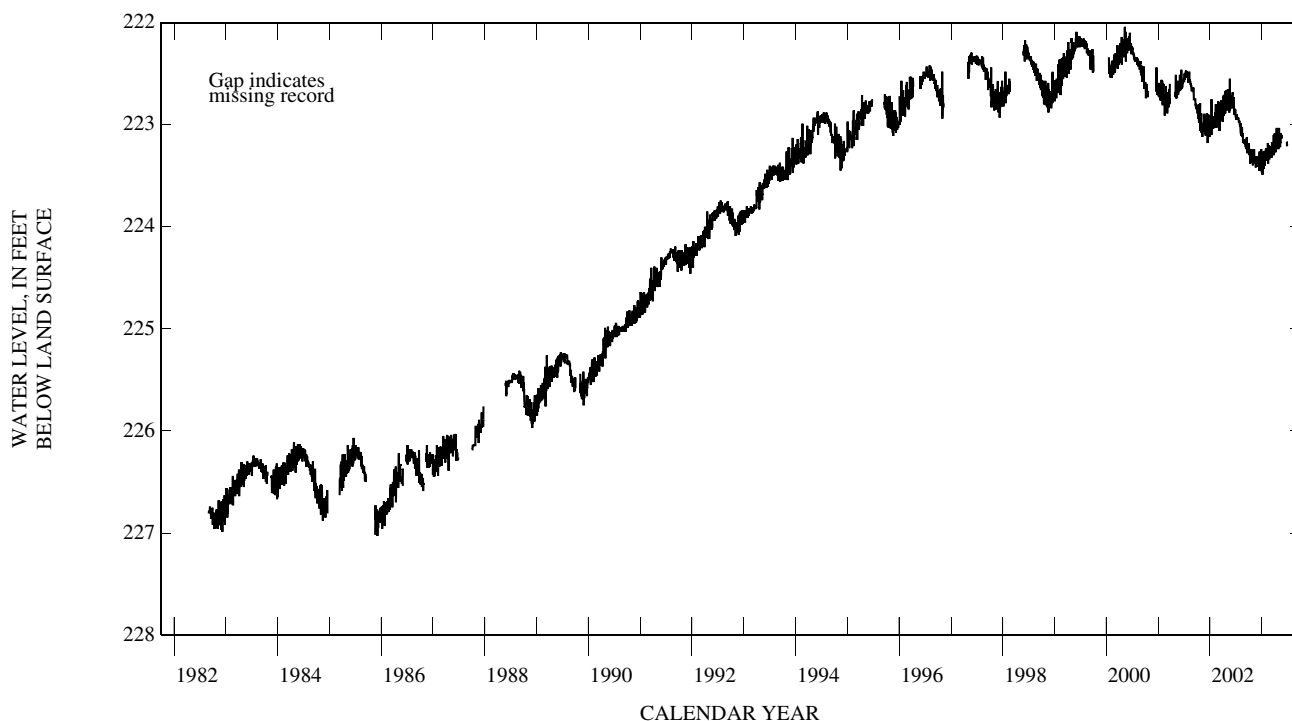
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 222.05 ft below land surface, May 10, 11, 2000; lowest, 227.03 ft below land surface, Dec. 4, 1985.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	223.29	223.29	223.36	223.38	223.33	223.22	223.17	223.13	---	---	---	---
10	223.28	223.34	223.35	223.37	223.28	223.30	223.17	223.18	---	---	---	---
15	223.25	223.34	223.37	223.27	223.38	223.18	223.04	223.13	---	---	---	223.35
20	223.35	223.41	223.37	223.29	223.29	223.28	223.21	223.10	---	---	---	223.44
25	223.29	223.36	223.38	223.35	223.25	223.25	223.22	---	---	---	---	223.44
EOM	223.39	223.38	223.31	223.30	223.26	223.15	223.21	---	223.19	---	---	223.50
MIN	223.39	223.41	223.45	223.49	223.38	223.32	223.27	---	---	---	---	---
MAX	223.18	223.24	223.24	223.25	223.18	223.10	223.04	---	---	---	---	---



LARAMIE COUNTY—Continued

IDENTIFICATION.--Station number, 412400104533901. Local number, 17-067-33baa01. Local name, MX-North.

LOCATION.--Lat 41° 24'00", long 104° 53'39", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.33, T.17 N., R.67 W., Hydrologic Unit 10190009.

AQUIFER.--Ogallala Formation.

WELL CHARACTERISTICS.--Depth of well, 200 ft below land surface.

DATUM.--Elevation of land surface is 6,425 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.40 ft above land surface.

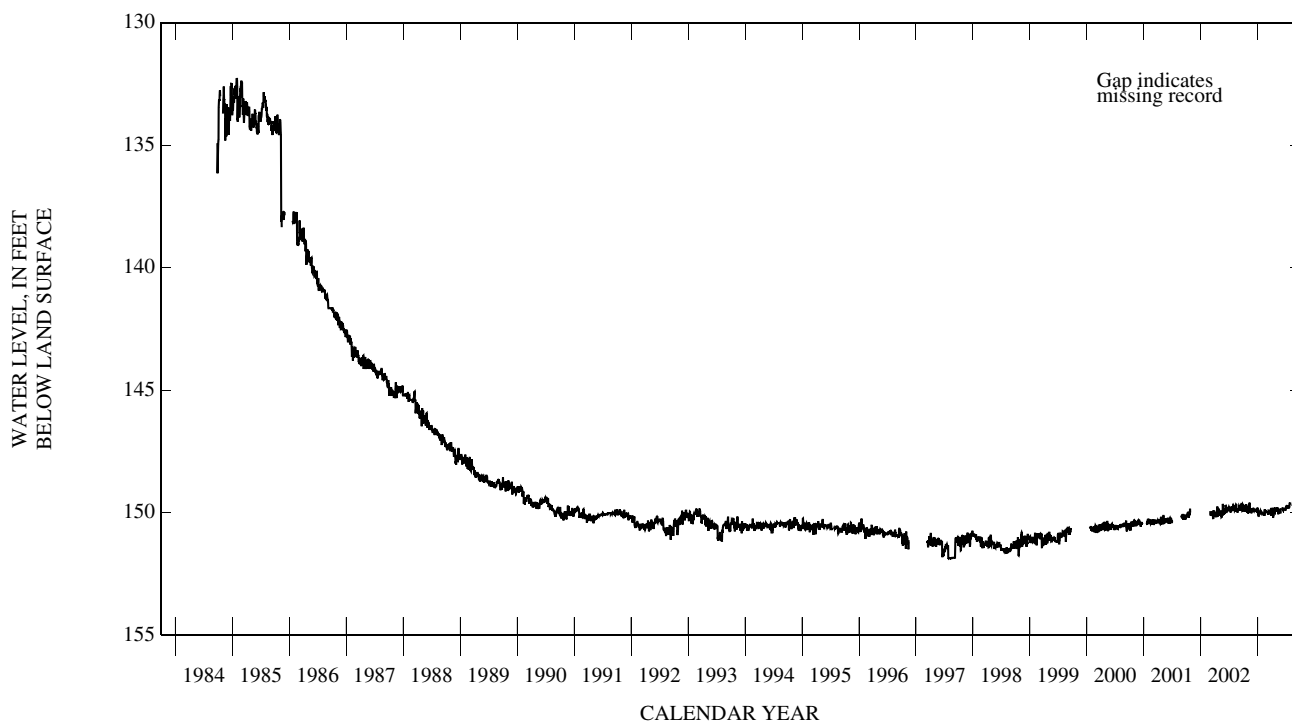
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

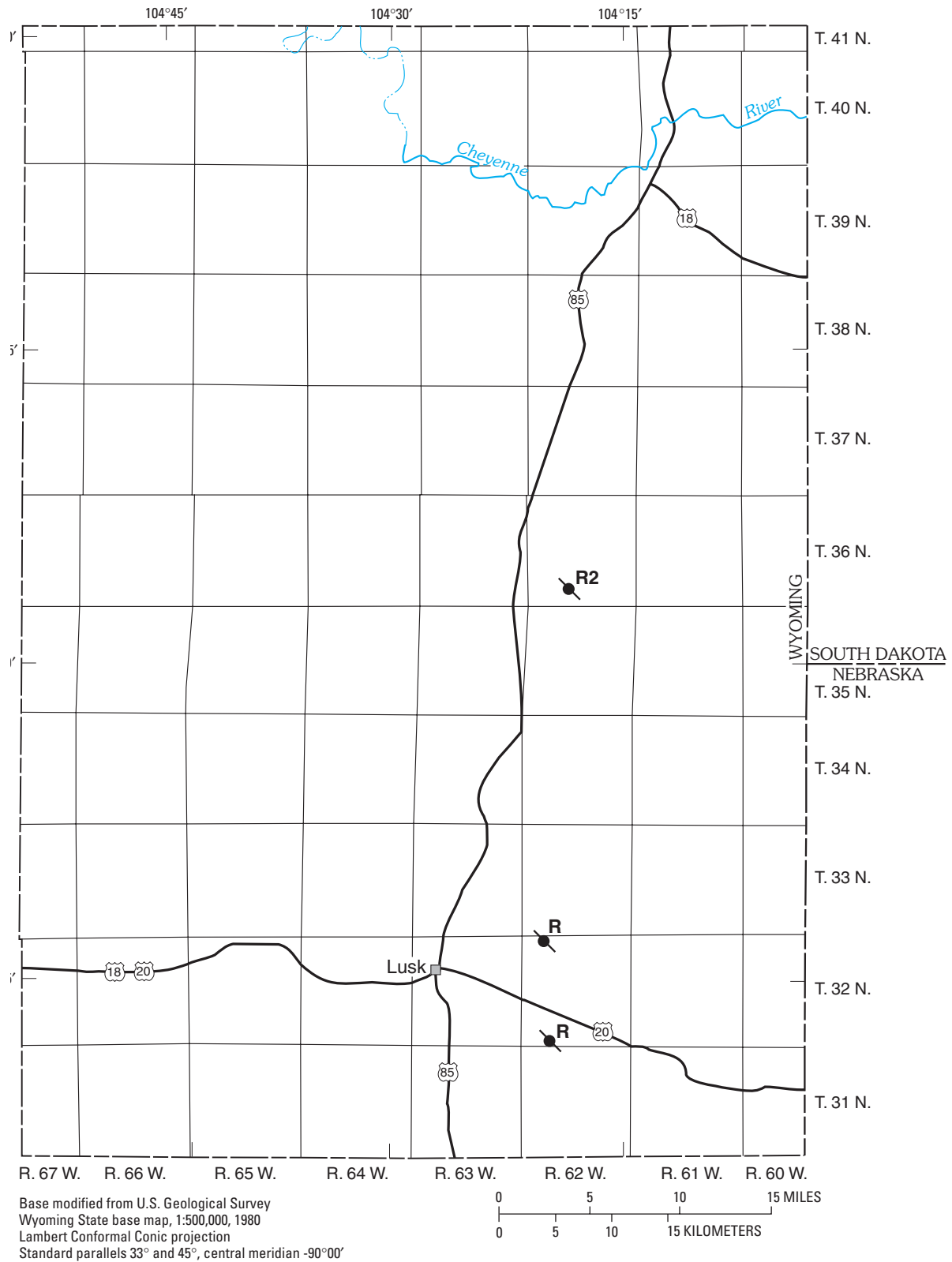
PERIOD OF RECORD.--1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 132.26 ft below land surface, Jan. 28, 1985; lowest, 151.87 ft below land surface, July 29, Aug 8, 11, 1997.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	149.87	149.75	149.95	150.00	150.07	---	149.85	149.82	---	149.78	---	149.63
10	149.75	149.74	149.82	---	150.08	150.02	150.11	149.94	149.85	149.84	149.72	149.46
15	149.71	149.93	---	149.95	149.99	---	150.01	149.88	149.94	149.76	149.72	149.64
20	149.92	150.03	149.89	---	149.97	150.03	150.08	150.03	---	149.77	149.68	---
25	149.82	149.88	149.92	150.00	---	149.97	149.90	149.87	149.83	149.62	149.77	---
EOM	149.99	149.94	149.94	150.08	---	149.87	149.88	---	149.81	---	149.75	---
MIN	150.04	150.03	---	---	---	---	---	---	---	---	---	---
MAX	149.67	149.63	---	---	---	---	---	---	---	---	---	---





EXPLANATION

- R2** OBSERVATION WELL WITH RECORDER--Number near well is number of wells at that location

Figure 16. Location of observation wells in Niobrara County, Wyoming.

GROUND-WATER LEVELS

NIOBRARA COUNTY

IDENTIFICATION.--Station number, 424709104194101. Local number, 32-062-05baa01. Local name, Niobrara County #1.

LOCATION.--Lat 42° 47' 09", long 104° 19' 41", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.5, T.32 N., R.62 W., Hydrologic Unit 10150002.

AQUIFER.--Arikaree Formation.

WELL CHARACTERISTICS.--Depth of well, 177 ft below land surface.

DATUM.--Elevation of land surface is 4,970 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.20 ft above land surface.

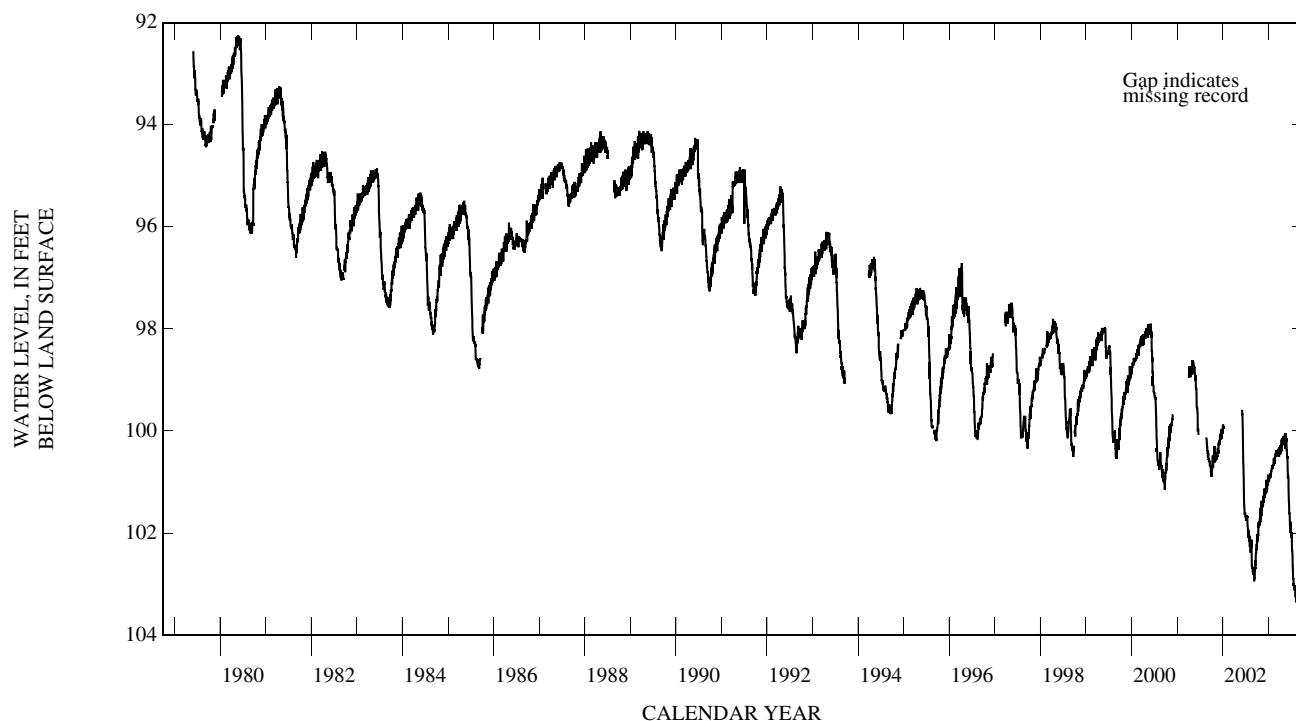
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 92.26 ft below land surface, June 1, 1980; lowest, 103.75 ft below land surface, Sept. 10, 11, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	102.09	101.64	101.25	100.96	100.71	100.44	100.30	100.24	100.78	102.06	103.17	103.45
10	102.04	101.63	101.18	100.90	100.67	100.40	100.30	100.20	100.92	102.34	103.27	103.51
15	101.82	101.50	101.04	100.85	100.67	100.40	100.27	100.13	101.41	102.64	103.30	103.30
20	101.82	101.46	101.03	100.89	100.54	100.41	100.31	100.06	101.62	102.90	103.36	103.14
25	101.73	101.26	101.05	100.81	100.46	100.38	100.17	100.19	101.99	103.01	103.45	102.93
EOM	101.68	101.26	100.92	100.74	100.49	100.35	100.16	100.52	102.01	103.09	103.50	102.92
MIN	102.34	---	101.31	100.99	100.75	100.51	100.46	100.52	102.01	103.09	103.60	103.53
MAX	101.64	---	100.86	100.67	100.46	100.33	100.16	100.06	100.52	102.00	103.13	102.91



NIOBRARA COUNTY—Continued

IDENTIFICATION.--Station number, 424244104202001. Local number, 32-062-32bbb01. Local name, Node Well.

LOCATION.--Lat 42° 42' 44", long 104° 20' 20", in NW 1/4 NW 1/4 NW 1/4 sec.32, T.32 N., R.62 W., Hydrologic Unit 10150002.

AQUIFER.--Arikaree Formation.

WELL CHARACTERISTICS.--Depth of well, 485 ft below land surface.

DATUM.--Elevation of land surface is 4,898 ft above NGVD of 1929, from topographic map. Measuring point: bottom of shelf, 3.00 ft above land surface.

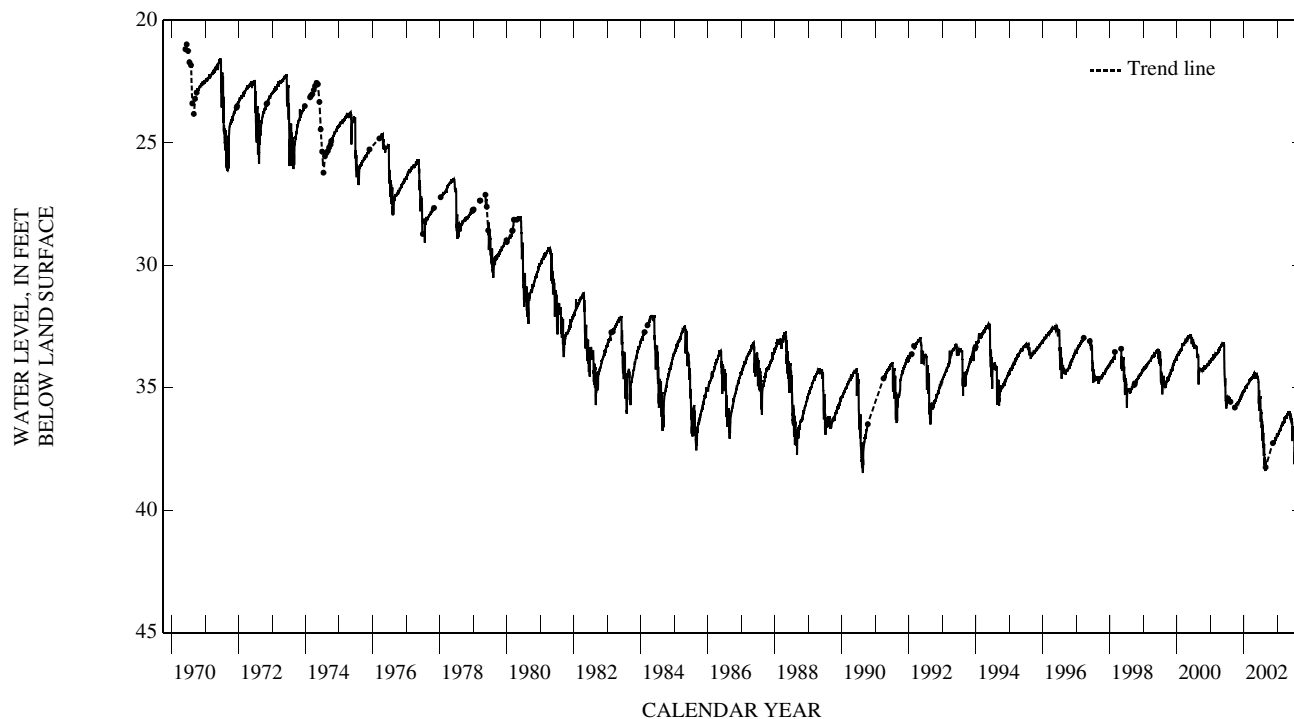
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 20.93 ft below land surface, June 23, 1970; lowest, 40.22 ft below land surface, Aug. 30, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	37.19	36.90	36.68	36.41	36.21	36.00	36.25	37.30	38.38	39.09
10	---	---	37.12	36.90	36.62	36.40	36.19	35.99	36.40	37.67	38.75	39.20
15	---	37.26	37.05	36.85	36.59	36.37	36.15	36.01	36.96	38.09	39.65	39.08
20	---	37.25	37.05	36.81	36.54	36.35	36.14	36.14	36.64	38.80	39.10	39.06
25	---	37.24	36.99	36.77	36.50	36.30	36.06	36.12	36.72	38.65	39.26	39.21
EOM	---	37.22	36.95	36.70	36.47	36.22	36.03	36.18	36.65	38.46	39.61	39.17
MIN	---	---	37.20	36.96	36.70	36.46	36.23	36.33	37.18	38.86	40.14	39.55
MAX	---	---	36.95	36.70	36.47	36.22	36.03	35.96	36.25	36.63	38.38	39.03



NIOBRARA COUNTY—Continued

IDENTIFICATION.--Station number, 430422104183201. Local number, 36-062-28ab01. Local name, ETSI T-2.

LOCATION.--Lat 43° 04' 22", long 104° 18' 32", in NW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.28, T.36 N., R.62 W., Hydrologic Unit 10120104.

AQUIFER.--Madison Limestone.

WELL CHARACTERISTICS.--Depth of well, 3,120 ft below land surface.

DATUM.--Elevation of land surface is 4,244 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, at land surface.

REMARKS.--Data from 1974 through March 1980 are unavailable electronically. Data available in reports in the Wyoming District office. Water levels from Apr. 18 through Sept. 30 not available at time of publication.

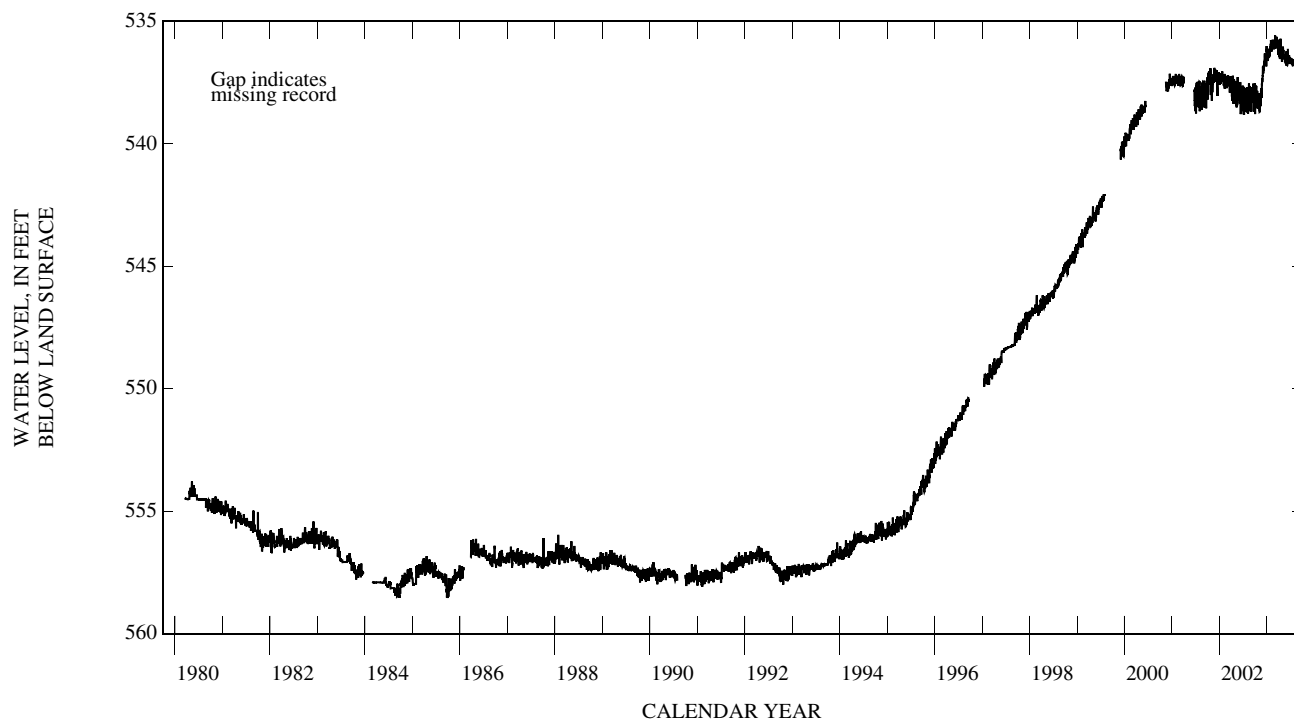
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 535.58 ft below land surface, Mar. 6, 2003; lowest, 558.54 ft below land surface, Sept. 29, 1985.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	537.77	538.69	537.07	536.42	536.04	535.60	536.05	536.12	536.78	536.61	536.72	---
10	537.65	538.41	536.66	536.42	535.86	535.97	536.12	536.32	---	536.75	536.90	---
15	538.40	538.32	536.45	536.12	536.10	535.81	535.71	536.33	536.61	536.68	536.92	---
20	538.22	538.13	536.46	536.13	535.89	536.00	536.25	536.65	536.47	536.78	536.82	---
25	538.33	537.32	536.51	536.20	535.97	536.07	536.45	536.43	536.69	536.59	537.01	---
EOM	538.51	537.23	536.13	536.10	535.82	536.05	536.38	536.22	536.59	536.74	---	---
MIN	538.79	538.69	537.13	536.62	536.23	536.37	536.65	536.80	---	536.81	---	---
MAX	537.65	537.23	536.01	535.91	535.75	535.58	535.71	536.03	---	536.51	---	---



NIOBRARA COUNTY—Continued

IDENTIFICATION.--Station number, 430421104200701. Local number, 36-062-28bbd01. Local name, ETSI T-1.

LOCATION.--Lat 43°04'21", long 104°20'07", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.28, T.36 N., R.62 W., Hydrologic Unit 10120104.

AQUIFER.--Minnelusa Formation.

WELL CHARACTERISTICS.--Depth of well, 1,510 ft below land surface.

DATUM.--Elevation of land surface is 5,200 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 0.45 ft above land surface.

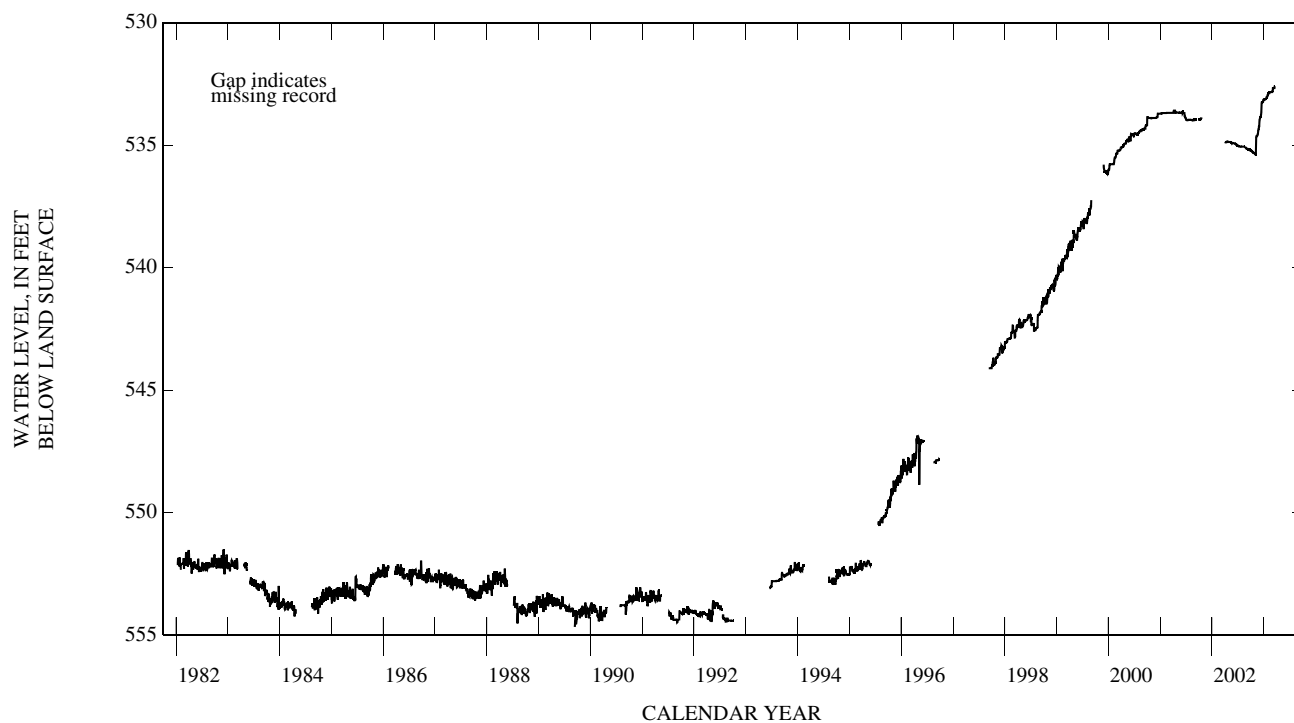
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 532.60 ft below land surface, Mar. 19-21, 2003; lowest, 554.67 ft below land surface, Sept. 12, 1989.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	535.22	535.38	533.93	533.13	532.88	532.80	---	---	---	---	---	---
10	535.25	534.65	533.84	533.13	532.85	532.67	---	---	---	---	---	---
15	535.29	534.63	533.65	533.11	532.83	532.67	---	---	---	---	---	---
20	535.30	534.55	533.25	533.06	532.83	532.60	---	---	---	---	---	---
25	535.33	534.36	533.24	533.03	532.83	---	---	---	---	---	---	---
EOM	535.34	534.22	533.15	532.94	532.83	---	---	---	---	---	---	---
MIN	535.34	535.39	534.05	533.14	532.92	---	---	---	---	---	---	---
MAX	535.21	534.22	533.15	532.94	532.83	---	---	---	---	---	---	---



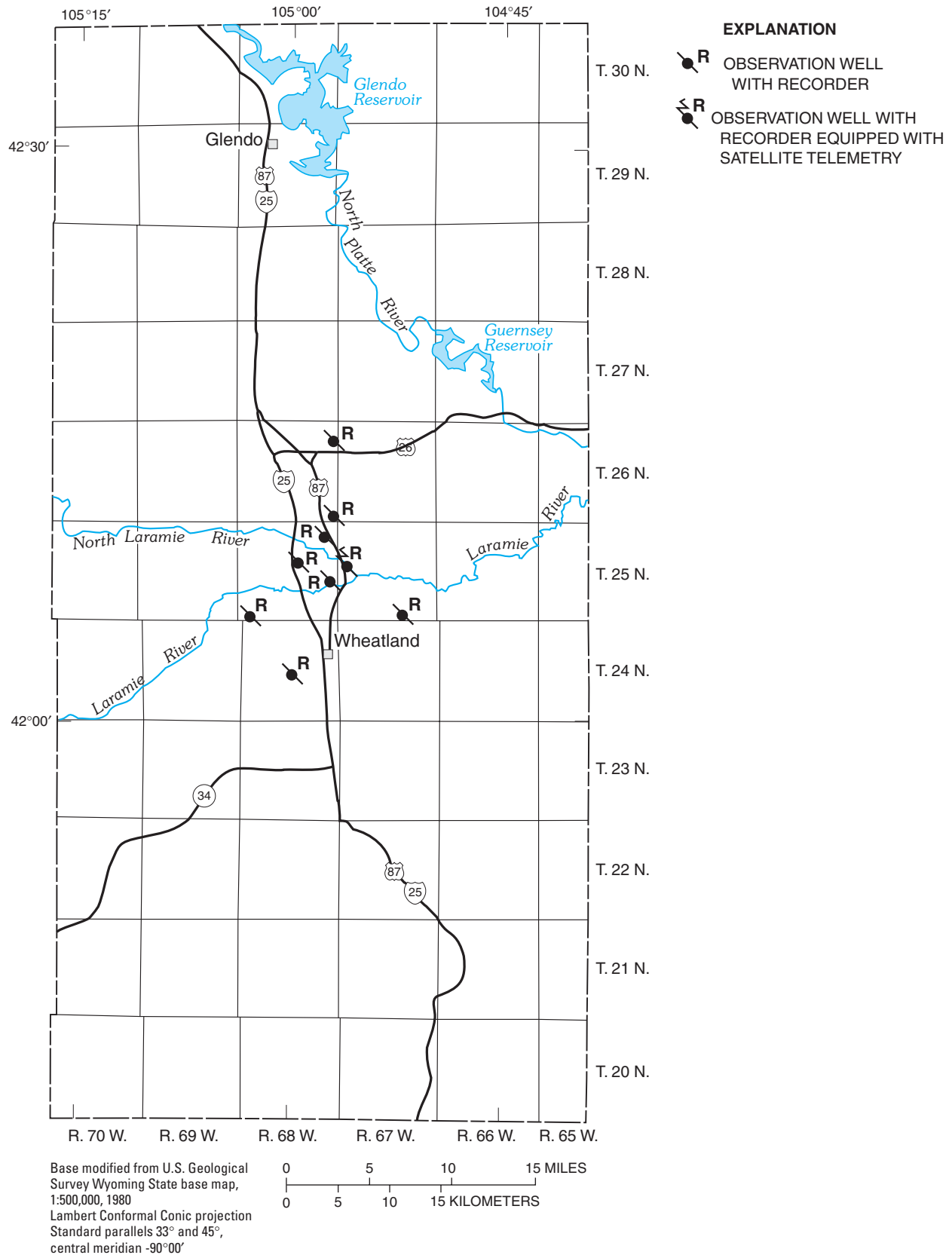


Figure 17. Location of observation wells in Platte County, Wyoming.

PLATTE COUNTY

IDENTIFICATION.--Station number, 420246104590302. Local number, 24-068-22aab02. Local name, Platte County #1A.

LOCATION.--Lat 42° 02' 46", long 104° 59' 03", in NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.22, T.24 N., R.68 W., Hydrologic Unit 10180011.

AQUIFER.--Arikaree Formation.

WELL CHARACTERISTICS.--Depth of well, 200 ft below land surface.

DATUM.--Elevation of land surface is 4,860 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.35 ft above land surface.

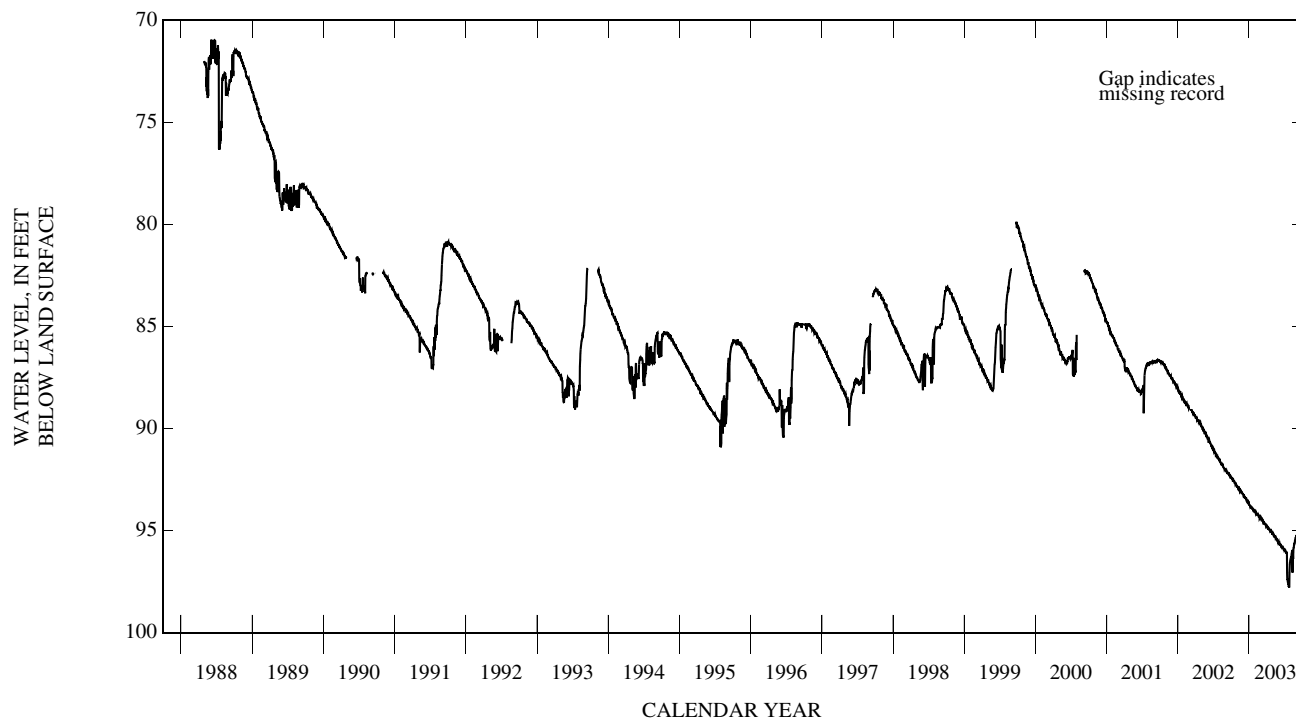
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 70.95 ft below land surface, June 5, 1988; lowest, 97.98 ft below land surface, July 24, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	92.45	92.93	93.32	93.78	94.16	94.41	94.83	95.22	95.67	95.97	96.27	95.16
10	92.50	93.00	93.35	93.84	94.18	94.52	94.91	95.29	95.68	96.08	95.99	95.07
15	92.57	93.07	93.46	93.90	94.27	94.56	94.90	95.30	95.77	97.37	96.05	95.02
20	92.67	93.11	93.49	93.94	94.29	94.66	95.05	95.36	95.77	97.62	95.67	95.01
25	92.74	93.15	93.62	94.02	94.36	94.72	95.05	95.47	95.90	97.79	95.43	94.98
EOM	92.85	93.23	93.68	94.08	94.38	94.74	95.15	95.55	95.91	96.42	95.27	95.09
MIN	92.85	93.23	93.71	94.08	94.40	94.82	95.15	95.58	95.93	97.79	97.06	95.28
MAX	92.39	92.83	93.20	93.73	94.08	94.37	94.75	95.12	95.58	95.91	95.27	94.97



PLATTE COUNTY—Continued

IDENTIFICATION.--Station number, 420718104553901. Local number, 25-067-19dda01. Local name, Ed Wilhelm.

LOCATION.--Lat 42° 07' 18", long 104° 55' 39", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 19, T. 25 N., R. 67 W., Hydrologic Unit 10180011.

AQUIFER.--Arikaree Formation.

WELL CHARACTERISTICS.--Depth of well, 760 ft below land surface.

DATUM.--Elevation of land surface is 4,540 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.50 ft above land surface.

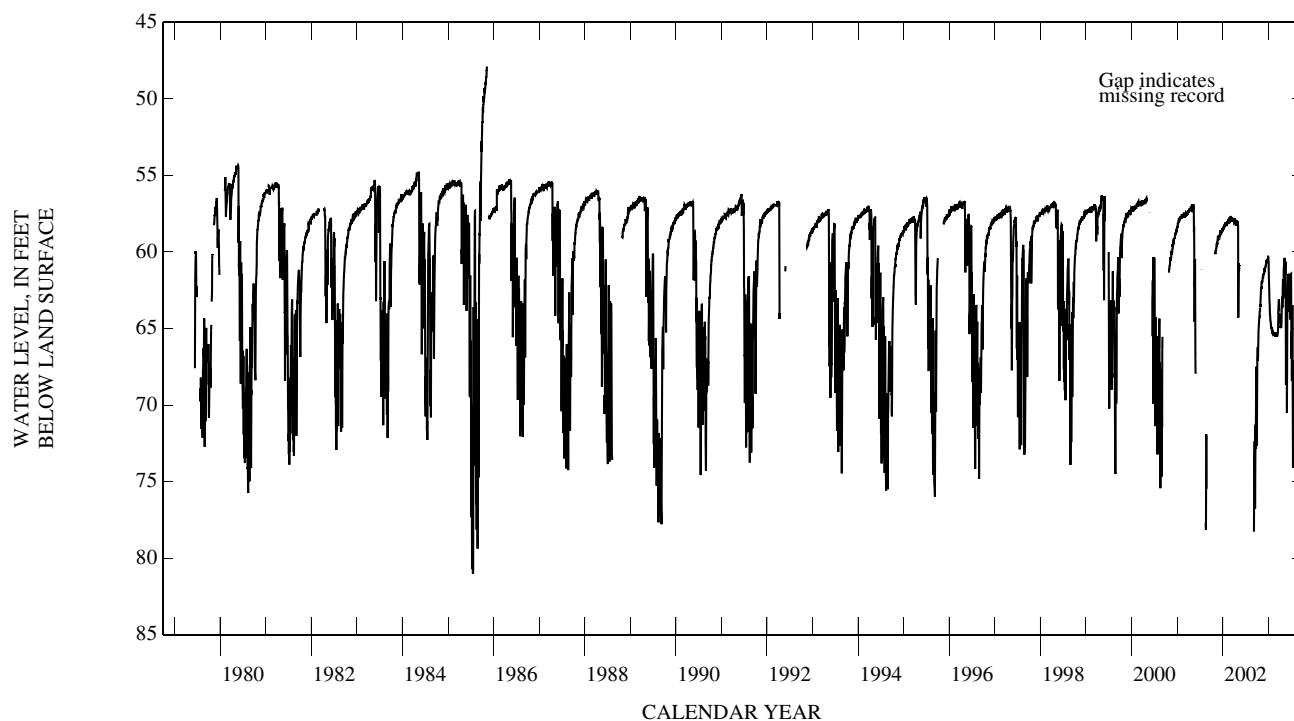
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 47.88 ft below land surface, Nov. 8, 1985; lowest, 81.04 ft below land surface, July 19, 1985.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	67.01	62.34	61.15	61.40	65.30	65.31	64.57	61.03	62.56	66.39	67.44	68.87
10	67.12	61.95	60.88	63.20	65.26	65.49	64.90	60.47	61.55	65.34	76.58	70.06
15	65.04	61.91	60.70	64.10	65.41	65.39	64.80	61.51	62.57	70.67	73.44	65.76
20	64.34	61.72	60.66	64.61	65.38	64.79	63.32	63.58	61.59	68.46	70.47	64.72
25	63.82	61.40	60.59	64.96	65.44	63.21	62.77	64.24	62.83	68.28	74.48	68.65
EOM	63.01	61.29	60.38	65.08	65.38	---	62.64	67.34	61.66	73.36	70.32	---
MIN	72.67	62.89	61.17	65.12	65.53	---	64.96	70.50	65.20	74.09	76.87	---
MAX	63.01	61.29	60.25	60.39	65.10	---	61.81	60.38	61.44	61.42	67.09	---



PLATTE COUNTY—Continued

IDENTIFICATION.--Station number, 420524104530201. Local number, 25-067-34ccd01. Local name, Platte County #2.

LOCATION.--Lat 42°05'24", long 104°53'02", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.34, T.25 N., R.67 W., Hydrologic Unit 10180011.

AQUIFER.--Arikaree Formation.

WELL CHARACTERISTICS.--Depth of well, 380 ft below land surface.

DATUM.--Elevation of land surface is 4,620 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.60 ft above land surface.

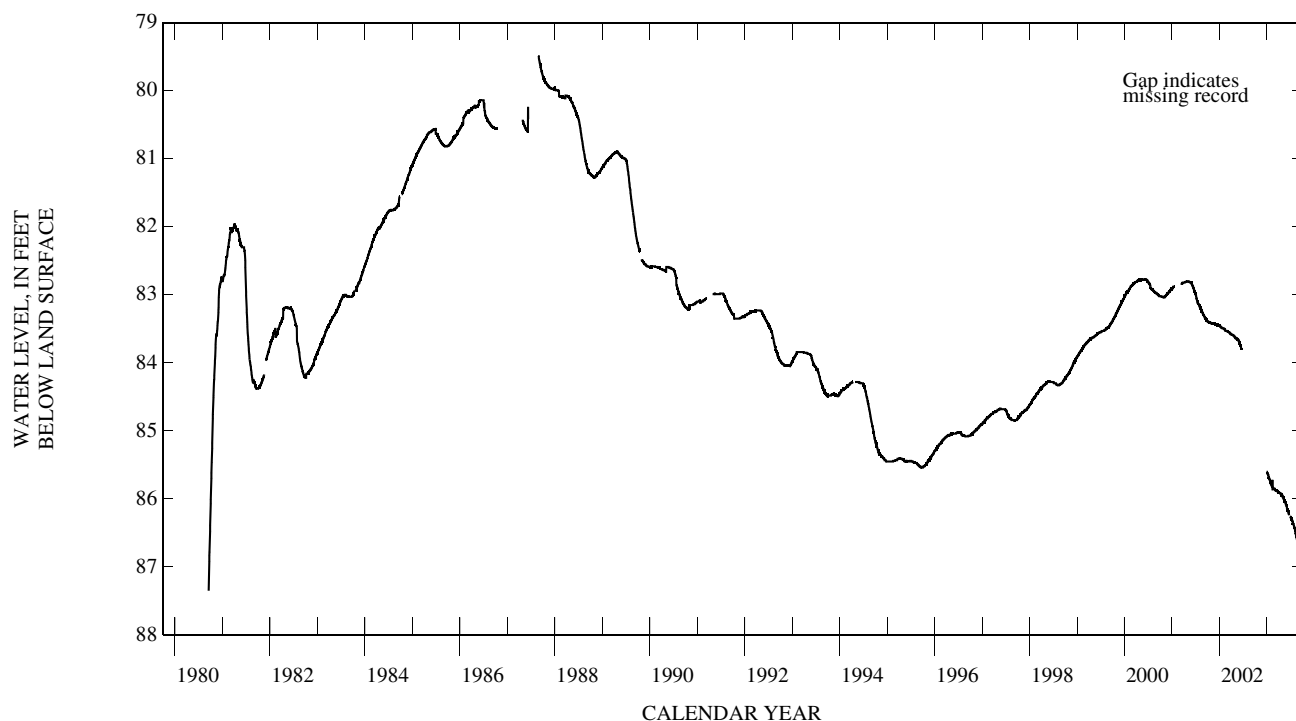
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 79.49 ft below land surface, Aug. 27, 28, 29, 1987; lowest, 87.35 ft below land surface, Sept. 16, 1980.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	85.62	85.79	85.87	85.91	85.98	86.14	86.27	86.46	86.73
10	---	---	---	85.65	85.83	85.87	85.91	86.00	86.17	86.29	86.51	86.77
15	---	---	---	85.68	85.86	85.88	85.92	86.02	86.20	86.32	86.55	86.81
20	---	---	---	85.71	85.85	85.87	85.92	86.04	86.23	86.35	86.59	86.82
25	---	---	---	85.74	85.86	85.89	85.94	86.07	---	86.38	86.63	86.86
EOM	---	---	85.60	85.78	85.85	85.90	85.95	86.10	86.26	86.42	86.68	86.88
MIN	---	---	---	85.78	85.86	85.90	85.95	86.10	---	86.42	86.68	86.88
MAX	---	---	---	85.60	85.72	85.85	85.91	85.95	---	86.26	86.43	86.69



PLATTE COUNTY—Continued

IDENTIFICATION.--Station number, 420859104565001. Local number, 25-068-12dda01. Local name, Platte County #4.

LOCATION.--Lat 42°08'59", long 104°56'50", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.12, T.25 N., R.68 W., Hydrologic Unit 10180011.

AQUIFER.--Arikaree Formation.

WELL CHARACTERISTICS.--Depth of well, 100 ft below land surface.

DATUM.--Elevation of land surface is 4,510 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.60 ft above land surface.

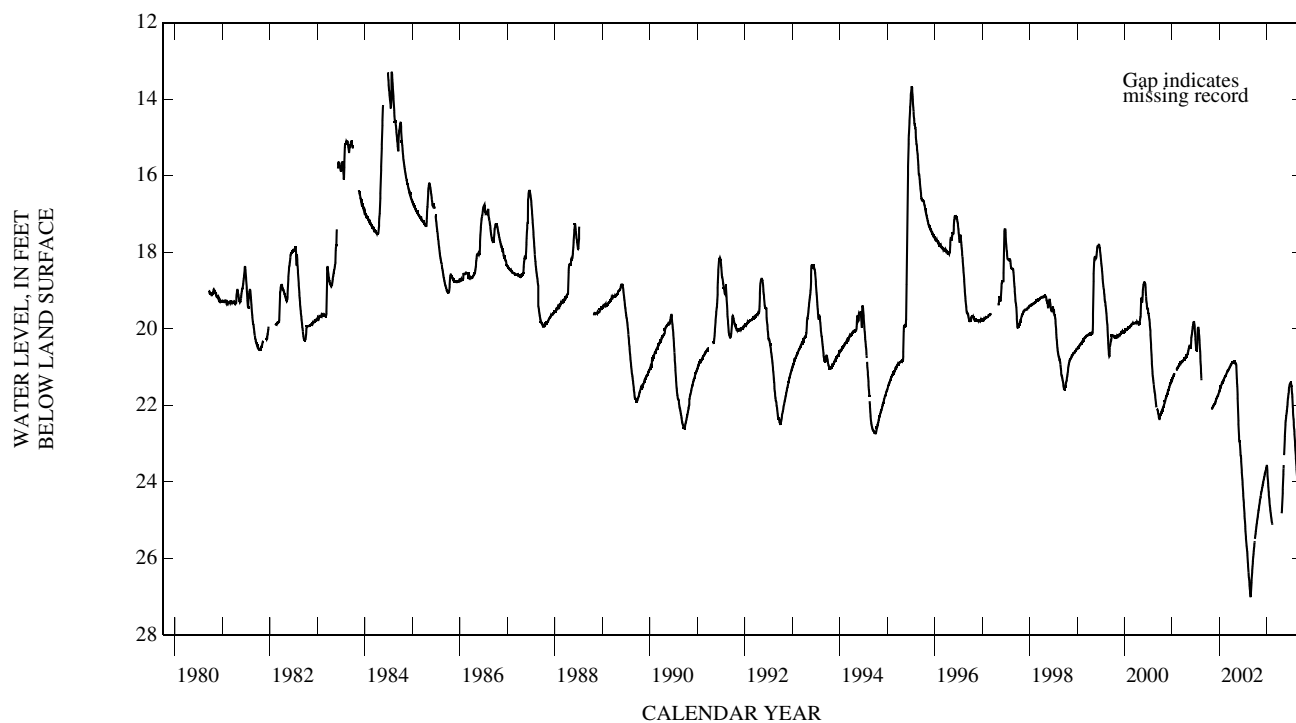
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 13.30 ft below land surface, June 25, July 25, 26, 1984; lowest, 27.02 ft below land surface, Aug. 29, 30, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.36	24.57	23.99	23.76	24.98	---	---	23.99	22.09	21.42	22.97	24.28
10	25.21	24.46	23.89	24.05	25.09	---	---	23.56	21.88	21.56	23.27	23.97
15	25.08	24.36	23.80	24.28	---	---	---	23.14	21.73	21.76	23.56	23.86
20	24.96	24.26	23.74	24.49	---	---	---	22.71	21.55	22.09	23.84	23.89
25	24.83	24.16	23.67	24.68	---	---	24.79	22.41	21.47	22.37	24.10	23.85
EOM	24.69	24.08	23.58	24.86	---	---	24.49	22.24	21.43	22.69	24.24	23.84
MIN	25.49	24.66	24.05	24.86	---	---	---	---	22.21	22.69	24.24	24.28
MAX	24.69	24.08	23.58	23.58	---	---	---	---	21.43	21.41	22.75	23.79



PLATTE COUNTY—Continued

IDENTIFICATION.--Station number, 420840105000401. Local number, 25-068-15bbd01. Local name, Platte County #6.

LOCATION.--Lat 42°08'40", long 105°00'04", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.15, T.25 N., R.68 W., Hydrologic Unit 10180011.

AQUIFER.--Arikaree Formation.

WELL CHARACTERISTICS.--Depth of well, 220 ft below land surface.

DATUM.--Elevation of land surface is 4,640 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.30 ft above land surface.

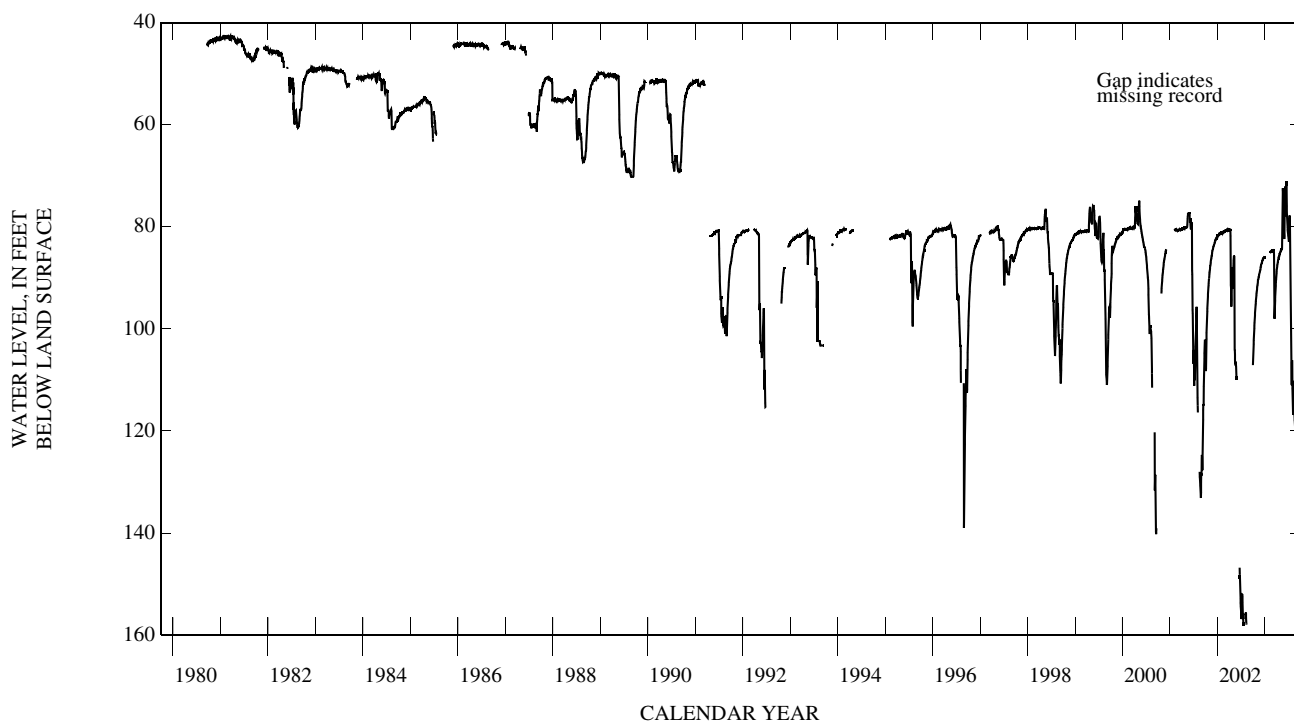
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 42.50 ft below land surface, Feb. 9, Mar. 30, 1981; lowest, 158.68 ft below land surface, Aug. 13, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	103.72	91.37	87.33	---	---	84.53	87.72	84.61	72.69	82.97	116.88	115.39
10	100.39	90.37	86.84	---	---	84.58	86.93	84.41	77.92	77.81	110.84	108.70
15	97.81	89.79	86.50	---	84.89	96.49	86.15	77.58	71.23	83.74	113.38	103.94
20	95.71	89.17	86.19	---	84.80	94.52	85.85	73.07	78.01	100.55	118.93	99.82
25	94.05	88.55	86.03	---	84.76	91.59	85.28	79.89	80.60	110.74	---	96.50
EOM	92.49	87.83	---	---	84.67	89.08	84.95	81.89	81.84	109.51	---	94.12
MIN	107.12	92.25	---	---	---	98.02	88.74	84.93	81.84	111.03	---	---
MAX	92.49	87.83	---	---	---	84.53	84.95	72.45	71.23	77.81	---	---



PLATTE COUNTY—Continued

IDENTIFICATION.--Station number, 420748104565001. Local number, 25-068-24aad01. Local name, Platte County #3.

LOCATION.--Lat 42° 07' 48", long 104° 56' 50", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.24, T.25 N., R.68 W., Hydrologic Unit 10180011.

AQUIFER.--Arikaree Formation.

WELL CHARACTERISTICS.--Depth of well, 240 ft below land surface.

DATUM.--Elevation of land surface is 4,560 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 0.55 ft above land surface.

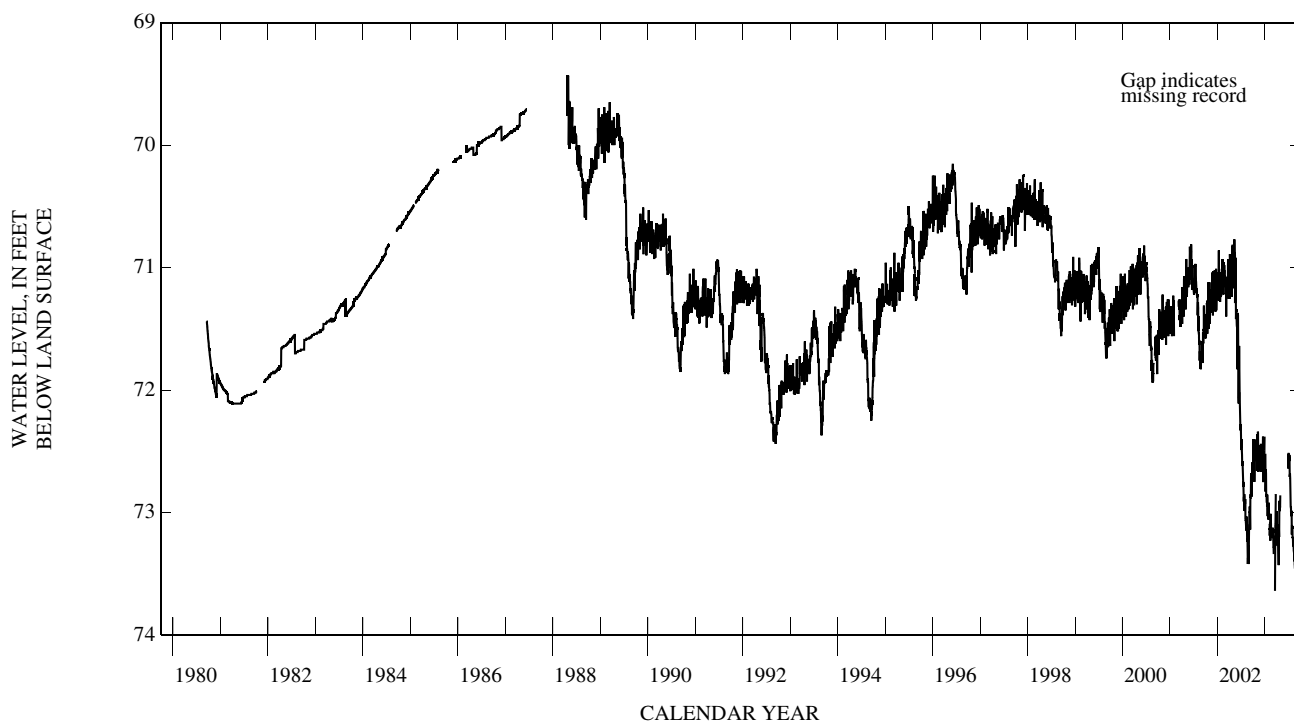
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 69.44 ft below land surface, Apr. 28, 29, 1988; lowest, 73.65 ft below land surface, Aug. 28, 2002 and Mar. 18, 19, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	72.59	72.47	72.62	72.59	73.13	73.16	73.21	---	---	72.55	73.27	73.29
10	72.53	72.58	72.48	72.85	73.09	---	73.15	---	---	72.71	73.31	---
15	72.49	72.60	72.50	---	73.14	73.22	73.28	---	---	72.82	73.39	73.21
20	72.53	72.66	72.54	72.89	73.15	73.34	73.20	---	---	72.96	73.45	73.15
25	72.45	72.52	72.56	73.02	---	72.85	72.99	---	---	73.00	73.46	73.06
EOM	72.63	72.60	---	73.05	73.20	72.99	---	---	72.53	73.12	73.36	73.17
MIN	72.75	72.67	---	---	---	---	---	---	---	73.18	73.46	---
MAX	72.40	72.34	---	---	---	---	---	---	---	72.52	73.13	---



PLATTE COUNTY—Continued

IDENTIFICATION.--Station number, 420613105024401. Local number, 25-068-31aaa01. Local name, Platte County #7.

LOCATION.--Lat 42°06'13", long 105°02'44", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.31, T.25 N., R.68 W., Hydrologic Unit 10180011.

AQUIFER.--Arikaree Formation.

WELL CHARACTERISTICS.--Depth of well, 400 ft below land surface.

DATUM.--Elevation of land surface is 4,633 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.50 ft above land surface.

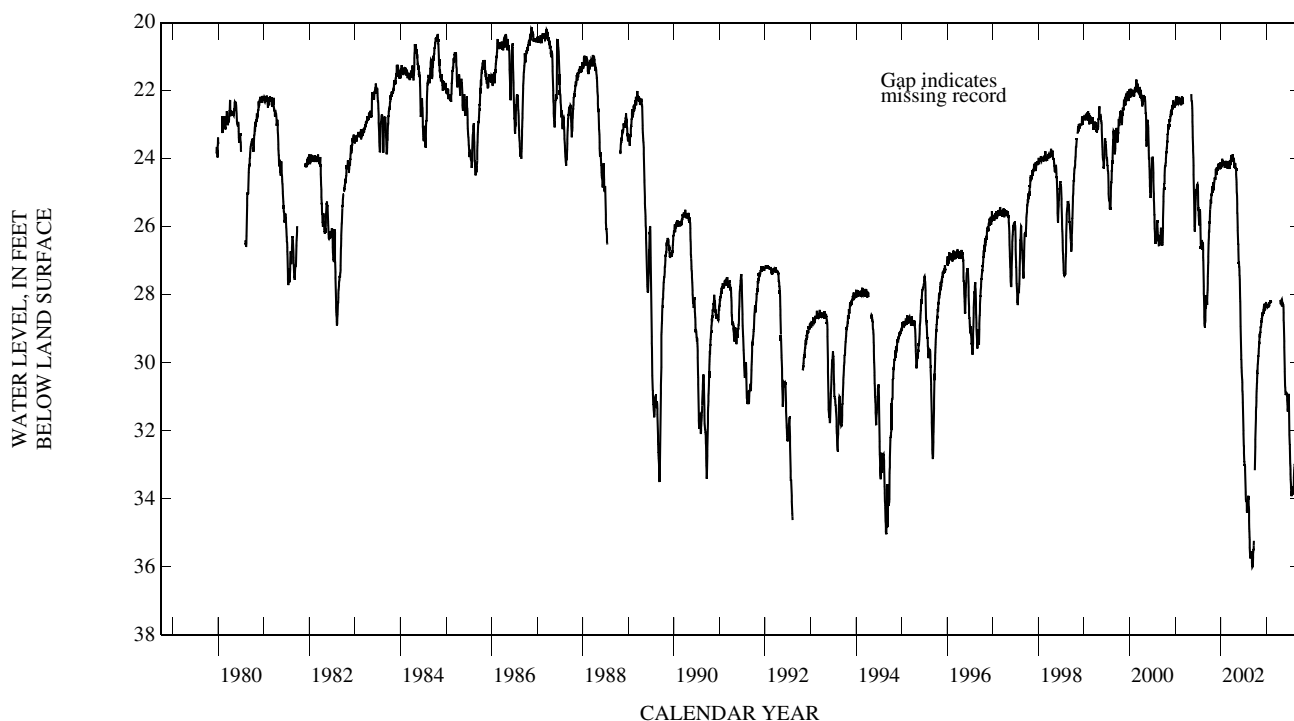
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 20.13 ft below land surface, Nov. 19, 1986; lowest, 36.05 ft below land surface, Sept. 10, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	32.25	29.45	28.56	28.34	28.19	---	---	28.21	30.94	32.12	33.83	34.46
10	31.43	29.23	28.43	28.34	28.22	---	---	28.28	30.90	32.76	33.37	34.29
15	30.83	29.11	28.37	28.33	---	---	---	28.27	30.92	33.43	33.05	34.21
20	30.38	28.94	28.35	28.27	---	---	---	28.75	31.35	33.83	32.94	34.26
25	30.02	28.68	28.37	28.31	---	---	28.19	29.54	31.20	33.85	33.34	34.23
EOM	29.72	28.63	28.29	28.18	---	---	28.24	30.68	31.01	33.63	34.03	33.82
MIN	33.16	29.67	28.60	28.39	---	---	---	30.68	31.43	33.92	34.03	34.52
MAX	29.72	28.61	28.21	28.17	---	---	---	28.15	30.72	31.10	32.93	33.82



PLATTE COUNTY—Continued

IDENTIFICATION.--Station number, 421443104574601. Local number, 26-068-12cbd01. Local name, E. Rutherford.

LOCATION.--Lat 42° 14'43", long 104° 57'46", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.12, T.26 N., R.68 W., Hydrologic Unit 10180011.

AQUIFER.--Arikaree Formation.

WELL CHARACTERISTICS.--Depth of well, 320 ft below land surface.

DATUM.--Elevation of land surface is 4,860 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, at land surface.

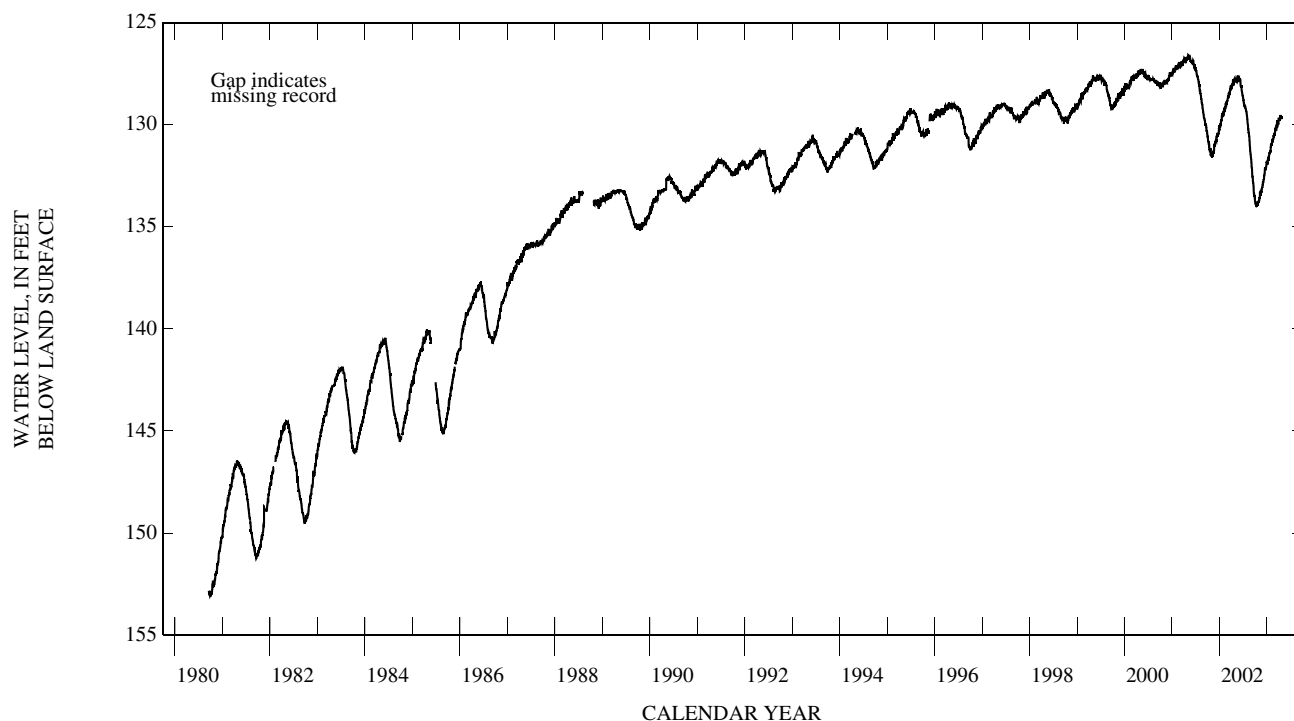
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 127.26 ft below land surface, May 10, 11, 2000; lowest, 153.11 ft below land-surface, Oct. 2, 1980.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	133.82	133.59	132.78	131.84	130.97	130.22	129.71	---	---	---	---	---
10	133.90	133.37	132.50	131.71	130.79	130.31	129.76	---	---	---	---	---
15	133.97	133.40	132.33	131.52	130.81	130.18	129.52	---	---	---	---	---
20	133.91	133.33	132.16	131.37	130.62	130.10	129.72	---	---	---	---	---
25	133.84	133.05	132.10	131.36	130.54	130.01	---	---	---	---	---	---
EOM	133.80	132.93	131.82	131.10	130.45	129.79	---	---	---	---	---	---
MIN	134.02	133.75	132.82	131.93	131.01	130.45	---	---	---	---	---	---
MAX	133.67	132.93	131.80	131.07	130.45	129.79	---	---	---	---	---	---



PLATTE COUNTY—Continued

IDENTIFICATION.--Station number, 421128104575801. Local number, 26-068-36bbb01. Local name, Platte County #5.

LOCATION.--Lat 42° 11' 28", long 104° 57' 58", in NW 1/4 NW 1/4 NW 1/4 sec.36, T.26 N., R.68 W., Hydrologic Unit 10180011.

AQUIFER.--Arikaree Formation.

WELL CHARACTERISTICS.--Depth of well, 200 ft below land surface.

DATUM.--Elevation of land surface is 4,670 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.40 ft above land surface.

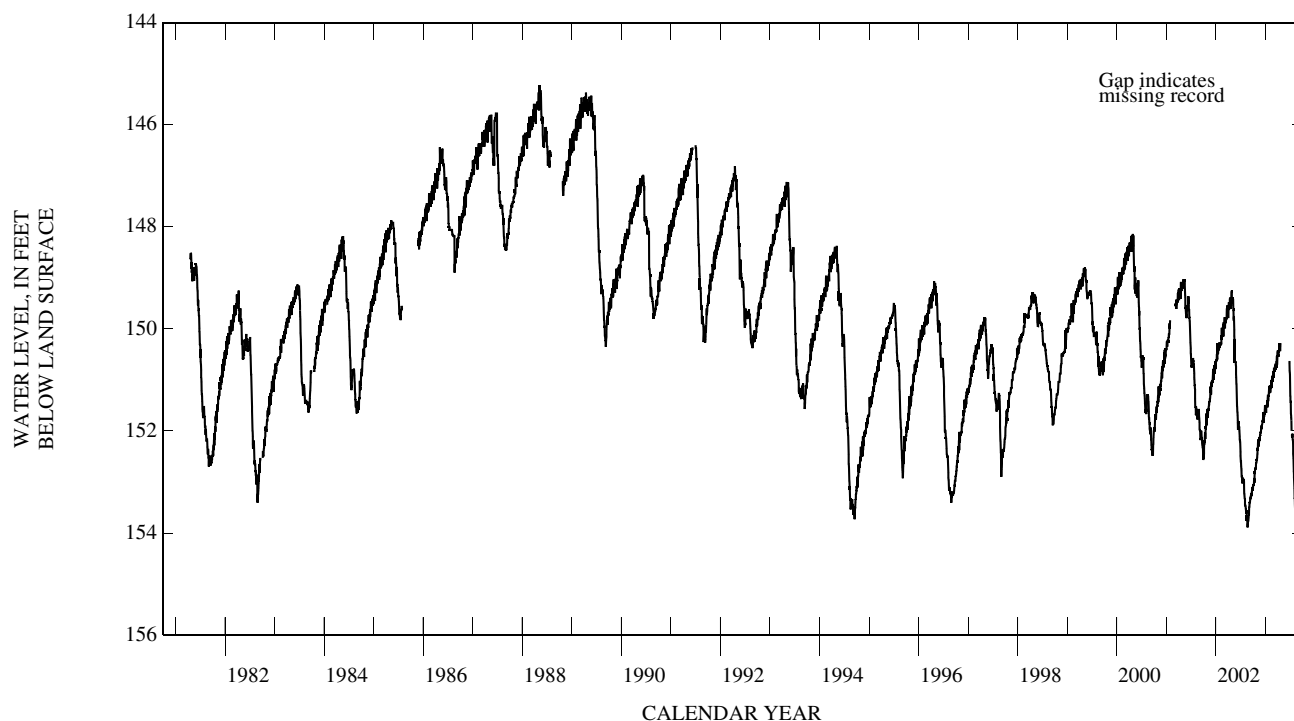
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 145.23 ft below land surface, May 7, 1988; lowest, 154.24 ft below land surface, Aug. 19, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	153.06	152.36	151.93	151.55	151.18	150.78	150.51	---	---	151.41	153.31	153.92
10	152.94	152.28	151.81	151.50	151.11	150.80	150.44	---	---	151.74	---	153.90
15	152.81	152.22	151.72	151.40	151.16	150.74	150.32	---	---	152.07	153.97	---
20	152.73	152.18	151.67	151.31	151.01	150.73	150.44	---	---	152.07	154.09	---
25	152.63	152.02	151.66	151.31	150.95	150.64	---	---	---	152.45	154.02	---
EOM	152.56	152.01	151.53	151.19	150.93	150.47	---	---	150.85	152.91	153.97	---
MIN	153.13	152.52	151.97	151.65	151.26	150.93	---	---	---	---	---	---
MAX	152.55	152.01	151.50	151.13	150.91	150.47	---	---	---	---	---	---



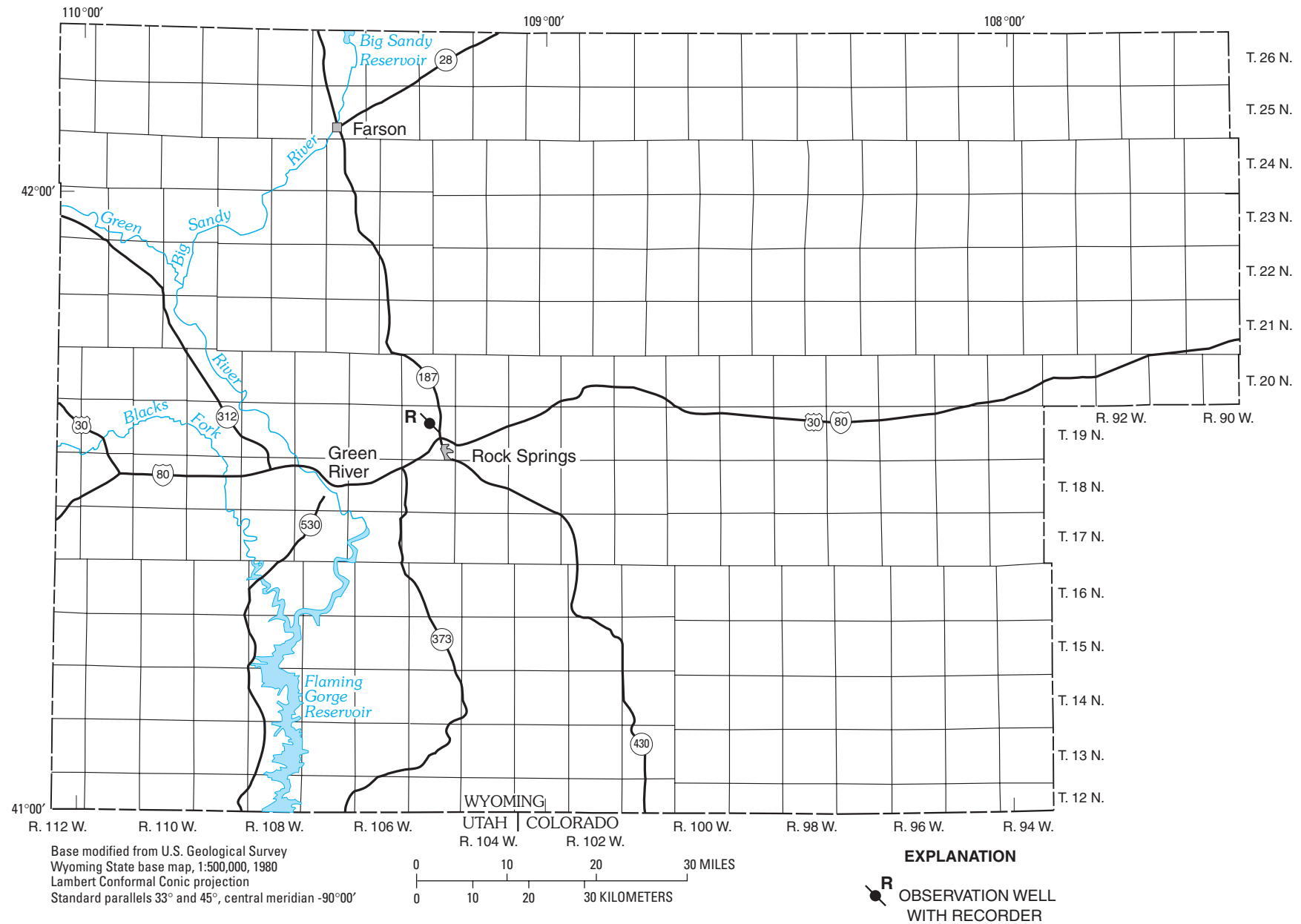


Figure 18. Location of observation well in Sweetwater County, Wyoming.

SWEETWATER COUNTY

IDENTIFICATION.--Station number, 413850109150601. Local number, 19-105-10bbb01. Local name, Rock Springs Golf Course.

LOCATION.--Lat 41° 38'50", long 109° 15'06", in NW 1/4 NW 1/4 NW 1/4 sec.10, T.19 N., R.105 W., Hydrologic Unit 14040105.

AQUIFER.--Fort Union Formation.

WELL CHARACTERISTICS.--Depth of well, 240 ft below land surface.

DATUM.--Elevation of land surface is 6,430 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 0.60 ft above land surface.

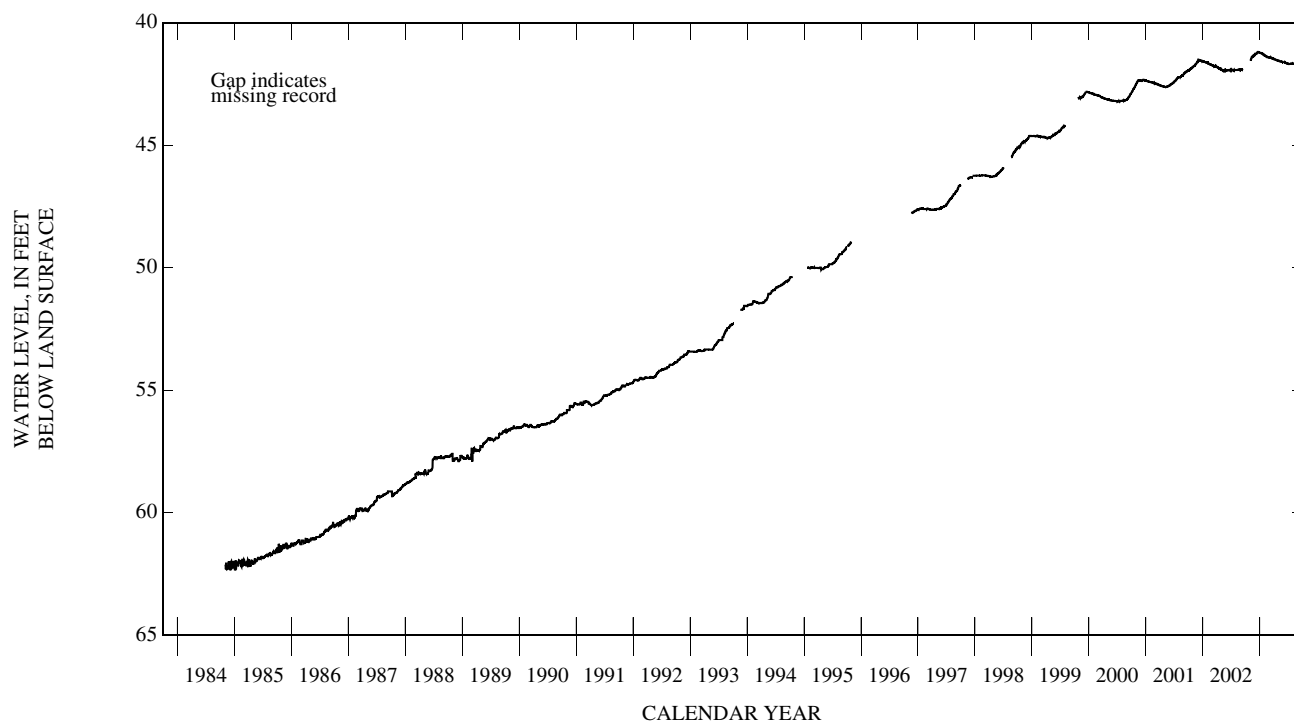
REMARKS.--Data collected by U.S. Geological Survey.

PERIOD OF RECORD.--1984-1995; 1997 to curren year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 41.19 ft below land surface, Dec. 18-22, 2002; lowest, 62.36 ft below land surface, Dec. 6, 1984, Jan. 3, 1985.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	41.51	41.28	41.23	41.35	41.41	41.49	41.56	41.60	41.69	41.68	41.70
10	---	41.41	41.27	41.25	41.37	41.43	41.50	41.58	41.62	41.68	41.68	41.71
15	---	41.39	41.23	41.25	41.38	41.43	41.52	41.58	41.64	41.68	41.67	41.71
20	---	41.36	41.19	41.29	41.40	41.45	41.53	41.59	41.64	41.67	41.69	41.72
25	---	41.33	41.20	41.30	41.40	41.45	41.55	41.59	41.65	41.68	41.69	41.71
EOM	---	41.31	41.23	41.34	41.42	41.47	41.55	---	41.66	41.68	41.69	41.70
MIN	---	---	41.30	41.34	---	41.47	41.56	---	41.66	41.69	41.70	41.72
MAX	---	---	41.19	41.23	---	41.41	41.49	---	41.60	41.66	41.67	41.69



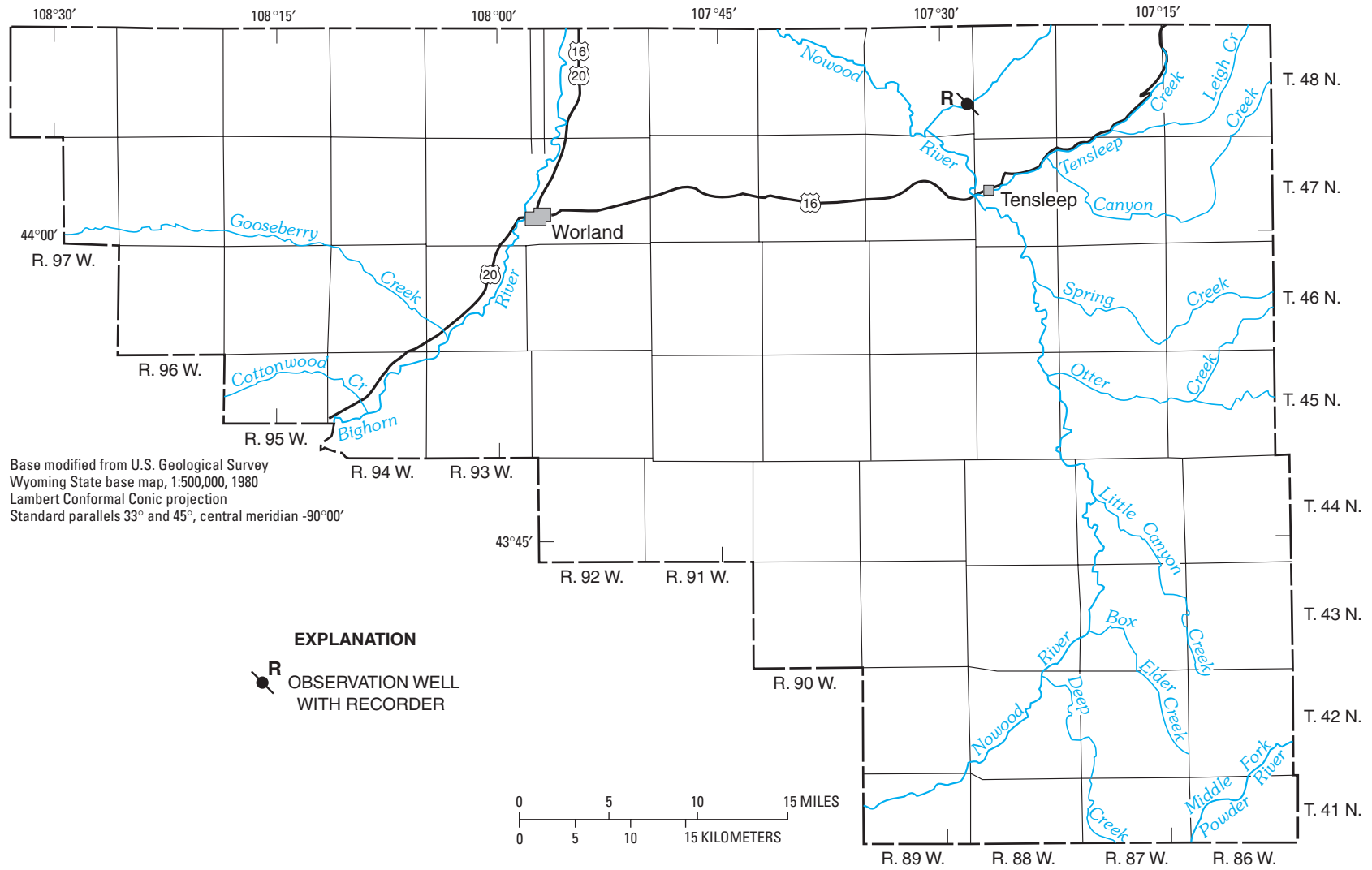


Figure 19. Location of observation well in Washakie County, Wyoming.

WASHAKIE COUNTY

IDENTIFICATION.--Station number, 440621107273801. Local number, 48-089-25ada01. Local name, Mills.

LOCATION.--Lat 44°06'21", long 107°27'38", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec.25, T.48 N., R.89 W., Hydrologic Unit 10080008.

AQUIFER.--Flathead Sandstone.

WELL CHARACTERISTICS.--Depth of well, 2,290 ft below land surface.

DATUM.--Elevation of land surface is 4,560 ft above NGVD of 1929, from topographic map.

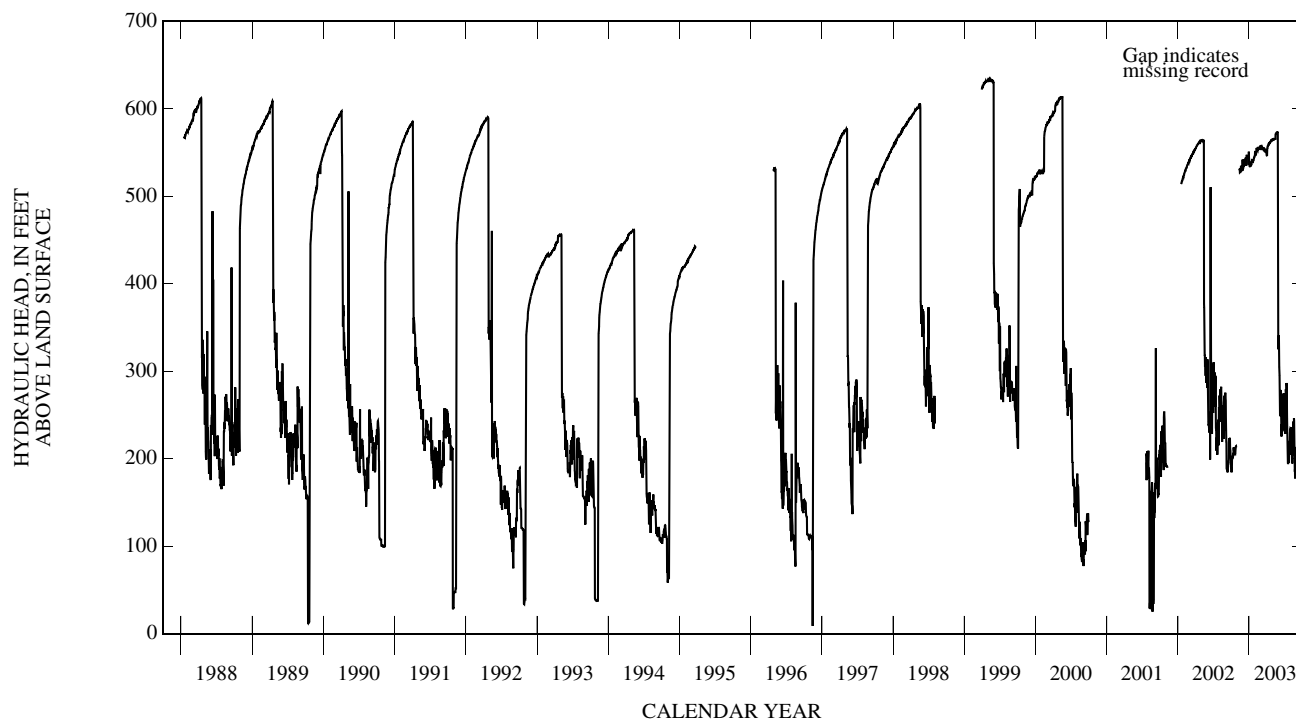
REMARKS.--Shut-in pressure was measured by pressure transducer and converted to hydraulic head above land surface for illustration purposes. Hydraulic head, in feet above land surface, was calculated by multiplying the shut-in pressure in pounds per square inch by 2.307. Hydraulic head data from May 13, 1992 to Mar. 24, 1995 were not plotted on the hydrograph because the monitoring equipment was out of calibration during this time. The data, and a more detailed explanation of the data, were published in Open-File report 96-648 "Ground-Water Levels in Wyoming, January 1986 through September 1995." Hydraulic head data from Mar. 24, 1995 to Apr. 25, 1996 were not collected. The accuracy of the hydraulic head measurements was considered to be 20 ft. Oct. 1, 2002 to Nov. 11, 2002, 50 ft. Nov. 11 to Apr. 1, and 20 ft. Apr. 1 to Sept. 30, 2003. Data collected by U.S. Geological Survey.

PERIOD OF RECORD.--1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest hydraulic head, 633.67 ft above land surface, May 5, 6, 8, 11, 1999; lowest, 8.78 ft above land surface, Nov. 14, 1996.

HYDRAULIC HEAD, IN FEET ABOVE LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	201.31	---	537.30	534.30	548.40	555.10	556.51	565.09	295.09	257.70	235.77	195.49
10	204.54	---	541.00	535.45	552.79	555.10	559.89	565.32	278.64	230.94	194.40	217.00
15	207.55	527.60	536.61	539.85	553.95	556.03	560.60	565.69	225.32	239.51	239.40	184.53
20	206.16	532.22	544.01	539.15	554.64	553.26	562.20	572.37	262.81	194.82	223.77	222.18
25	214.48	531.30	546.09	543.78	556.26	550.94	564.16	573.20	274.64	215.73	201.22	207.92
EOM	---	531.76	544.47	551.64	557.41	547.25	564.51	340.06	233.41	234.77	212.61	188.65
MAX	---	---	550.94	551.64	557.88	556.72	564.83	573.20	340.92	286.43	246.31	222.18
MIN	---	---	532.22	534.30	548.40	547.25	546.78	325.09	225.32	193.85	177.48	177.67



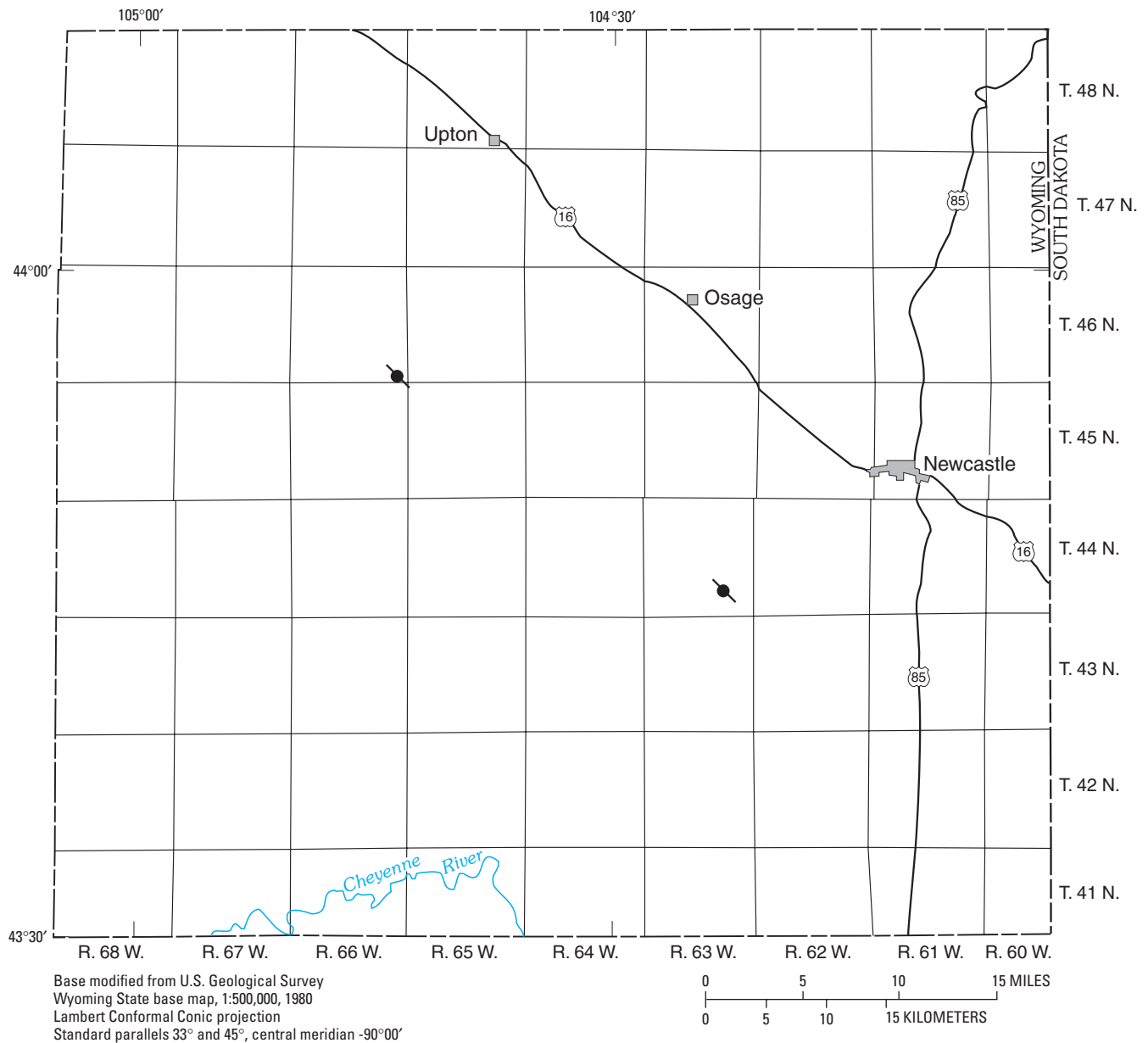


Figure 20. Location of observation wells in Weston County, Wyoming.

WESTON COUNTY

IDENTIFICATION.--Station number, 434539104233401. Local number, 44-063-26cac01. Local name, Townsend Well.

LOCATION.--Lat 43° 45' 39", long 104° 23' 34", in SW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.26, T.44 N., R.63 W., Hydrologic Unit 10120107.

AQUIFER.--Madison (Pahasapa) Limestone.

WELL CHARACTERISTICS.--Depth of well, 6,880 ft below land surface.

DATUM.--Elevation of land surface is 3,990 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, 1.5 ft above land surface.

REMARKS.--Data reflects static and pumping water levels.

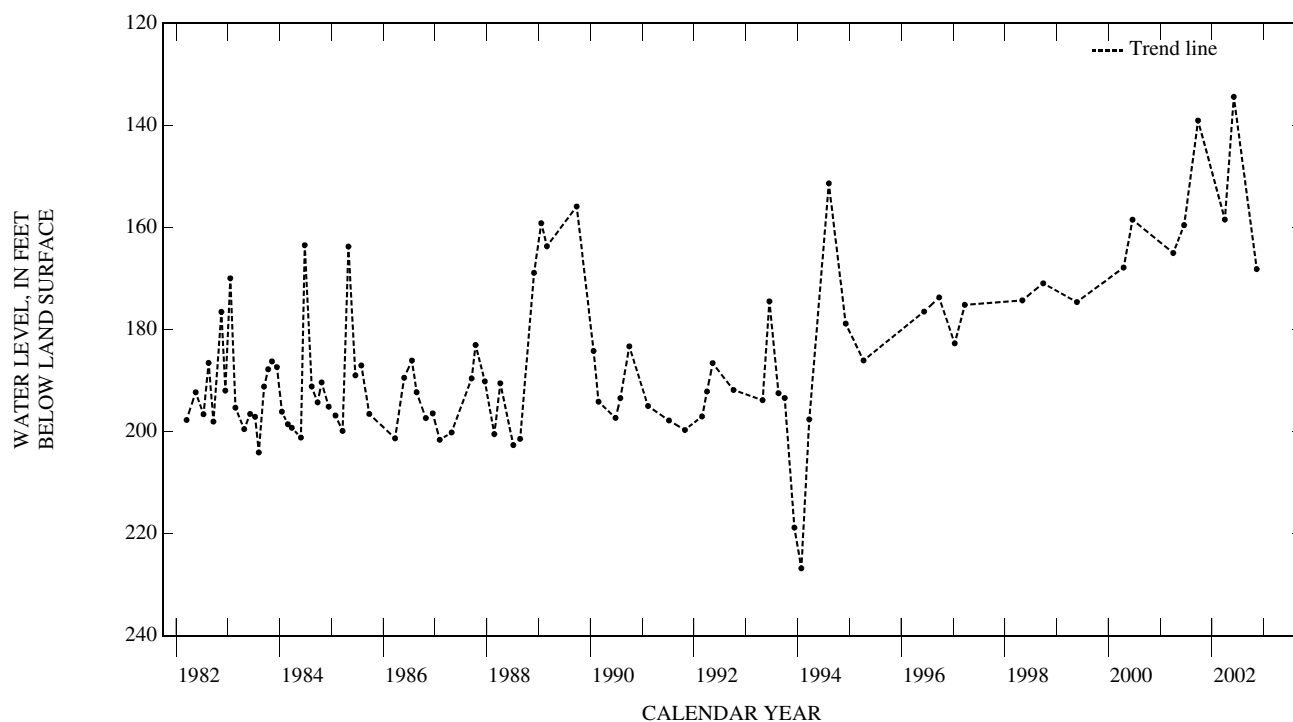
COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 134.37 ft below land surface, from hand-measured data, June 4, 2002; lowest, 226.80 ft below land surface, from hand-measured data, Jan. 27, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL
NOV 13	168.17



WESTON COUNTY—Continued

IDENTIFICATION.--Station number, 435610104433001. Local number, 46-066-25dbb01. Local name, Terra Resources.

LOCATION.--Lat 43° 56' 10", long 104° 43' 30", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.25, T.46 N., R.66 W., Hydrologic Unit 10120103.

AQUIFER.--Madison (Pahasapa) Limestone.

WELL CHARACTERISTICS.--Depth of well, 8,780 ft below land surface.

DATUM.--Elevation of land surface is 4,200 ft above NGVD of 1929, from topographic map. Measuring point: top of casing, at land surface.

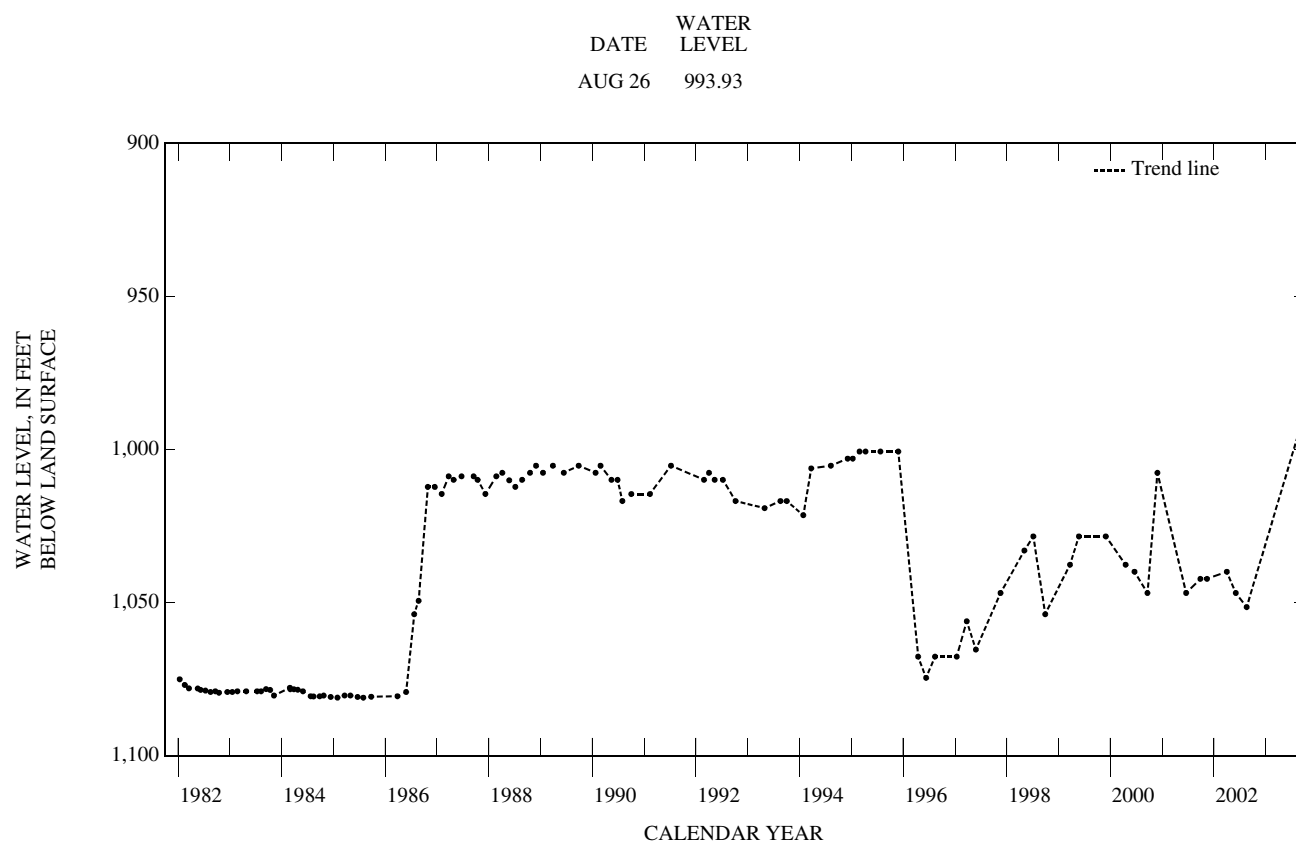
REMARKS.--Data reflects static conditions and pumping of nearby oil field water flood system.

COOPERATION.--Data collected and records provided by the Wyoming State Engineer's Office and reviewed by U.S. Geological Survey.

PERIOD OF RECORD.--1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 993.93 ft below land surface, from hand-measured data, Aug.26, 2003; lowest, 1,081.06 ft below land surface, from-hand measured data, July 30, 1985.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003



GROUND-WATER LEVELS

115

HIGH PLAINS STUDY

GOSHEN COUNTY

STATION NUMBER	LATITUDE (DEGREES)	LONGITUDE (DEGREES)	LOCAL WELL NUMBER	ALTITUDE OF LAND SURFACE (FEET)	WATER- LEVEL DATE	WATER LEVEL IN FEET BELOW LAND SURFACE
413716104203401	413716	1042034	19-062-17bbb01	4940	06-03-03	23.14
415539104033501	415539	1040335	23-060-34abb01	4070	06-03-03	5.64
415925104310801	415925	1043108	23-064-03dda01	4275	06-06-03	34.80
420845104122301	420845	1041223	25-061-17aaa01	4310	06-03-03	53.56
421328104205401	421328	1042054	26-062-18dbd01	4500	06-03-03	61.87
421244104175501	421244	1041757	26-062-22bcd01	4290	06-02-03	42.29
422347104212001	422347	1042120	28-062-18cac01	4470	06-02-03	13.20
423056104212701	423056	1042127	29-062-06cba01	4700	06-02-03	28.90
423057104212701	423057	1042127	29-062-06cba02	4700	06-02-03	29.38

LARAMIE COUNTY

STATION NUMBER	LATITUDE (DEGREES)	LONGITUDE (DEGREES)	LOCAL WELL NUMBER	ALTITUDE OF LAND SURFACE (FEET)	WATER- LEVEL DATE	WATER LEVEL IN FEET BELOW LAND SURFACE
412304104311001	412304	1043110	16-064-02bcb01	5778	06-03-03	233.16

NIOBRARA COUNTY

STATION NUMBER	LATITUDE (DEGREES)	LONGITUDE (DEGREES)	LOCAL WELL NUMBER	ALTITUDE OF LAND SURFACE (FEET)	WATER- LEVEL DATE	WATER LEVEL IN FEET BELOW LAND SURFACE
423940104031201	423939	1040310	31-060-15dbc01	4730	06-02-03	35.17
424724104293801	424724	1042940	33-064-36cbc01	5200	06-02-03	56.48

PLATTE COUNTY

STATION NUMBER	LATITUDE (DEGREES)	LONGITUDE (DEGREES)	LOCAL WELL NUMBER	ALTITUDE OF LAND SURFACE (FEET)	WATER- LEVEL DATE	WATER LEVEL IN FEET BELOW LAND SURFACE
414206104500101	414206	1045001	20-067-13dbd01	5490	06-26-03	40.91
414755104391101	414752	1043914	21-065-16aaa01	5294	06-26-03	74.05
422355105023401	422355	1050238	28-068-17cbc01	4918	06-03-03	58.16

GROUND-WATER QUALITY NEAR WASTEWATER-TREATMENT FACILITIES, GRAND TETON NATIONAL PARK

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Geologic unit	Local identifier	Date	Time	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Altitude of land surface feet (72000)
433932110430801	111ALVM	43-116-25cca01	08-25-03	1300	49.00	10.97	6,455
433939110424001	111ALVM	43-116-25dbd01	08-25-03	1545	48.65	14.85	6,460
433939110425601	111ALVM	43-116-25caa01	08-25-03	1800	42.85	15.47	6,462
434117110440801	111ALVM	43-116-14cad02	08-26-03	1425	37.55	31.20	6,630
434117110441101	111ALVM	43-116-14cad01	08-26-03	1615	36.55	28.35	6,630
434920110370801	111ALVM	45-115-36bcc01	08-26-03	1040	117.60	109.49	6,860
434927110370801	111ALVM	45-115-36bcb01	08-27-03	1020	120.00	93.75	6,888.70
435357110374102	111ALVM	45-115-02abc02	08-27-03	1520	14.60	1.92	6,810
435357110374103	111ALVM	45-115-02abc03	08-27-03	1300	28.90	4.60	6,810
435357110374104	111ALVM	45-115-02abc04	08-27-03	1425	45.00	4.70	6,810
435357110374105	111ALVM	45-115-02abc05	08-27-03	1605	12.90	1.37	6,810
435358110374201	111ALVM	45-115-02abc06	08-27-03	1810	11.70	2.15	6,810
440640110401001	111ALVM	48-115-21bca01	08-28-03	1415	47.30	29.70	6,838.02
440641110400101	111ALVM	48-115-21bdb02	08-28-03	1550	39.80	33.41	6,845.35
440641110402101	111ALVM	48-115-21bcb01	08-28-03	1235	34.60	27.04	6,836.23
440641110402102	111ALVM	48-115-21bcb02	08-28-03	1130	39.40	27.02	6,836.50
440641110402103	111ALVM	48-115-21bcb03	08-28-03	1030	49.50	27.16	6,836.57
440643110400101	111ALVM	48-115-21bdb01	08-28-03	1715	48.00	34.78	6,844.78
440645110401101	111ALVM	48-115-21bc 02	08-29-03	1200	82.00	28.30	6,837.06
440645110402001	111ALVM	48-115-21bc 01	08-29-03	1300	37.35	26.35	6,834.24

Station number	Date	Flow rate, instantaneous gal/min (00059)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Hard-ness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)
433932110430801	08-25-03	0.80	7.4	8.8	102	29.0	10.0	45	13.5	2.82	0.75
433939110424001	08-25-03	4.0	3.9	8.3	153	30.0	11.0	72	21.8	4.21	0.77
433939110425601	08-25-03	2.0	5.4	7.7	147	29.0	11.5	67	19.9	4.21	0.68
434117110440801	08-26-03	1.0	3.7	6.7	83	--	12.5	34	8.49	3.07	1.24
434117110441101	08-26-03	1.0	3.6	6.6	84	--	13.0	35	8.82	3.20	1.32
434920110370801	08-26-03	2.0	8.8	8.0	330	29.0	9.5	140	41.8	8.60	1.96
434927110370801	08-27-03	1.0	6.4	6.9	702	19.5	13.0	210	70.7	8.35	6.61
435357110374102	08-27-03	1.0	1.1	6.8	489	17.0	11.5	72	21.3	4.54	7.02
435357110374103	08-27-03	0.10	3.5	7.3	543	19.0	14.0	150	44.2	9.31	2.93
435357110374104	08-27-03	1.0	1.2	7.0	502	19.0	9.0	81	24.3	4.87	6.32
435357110374105	08-27-03	1.0	1.2	6.9	500	16.0	11.0	77	22.6	4.90	6.98
435358110374201	08-27-03	1.0	1.1	6.8	502	20.0	11.0	95	27.8	6.12	6.72
440640110401001	08-28-03	2.0	7.7	8.1	327	24.0	10.0	98	28.7	6.42	3.15
440641110400101	08-28-03	2.2	7.1	8.3	276	26.0	8.0	87	25.4	5.73	3.19
440641110402101	08-28-03	1.0	7.0	7.9	354	24.0	7.0	140	42.7	8.38	3.76
440641110402102	08-28-03	2.0	7.0	7.8	365	24.0	7.5	140	43.7	8.62	3.66
440641110402103	08-28-03	1.5	6.9	7.9	369	24.0	7.5	150	44.2	8.99	3.71
440643110400101	08-28-03	2.0	7.5	8.3	268	24.0	8.0	91	26.3	6.23	2.82
440645110401101	08-29-03	3.0	8.0	8.1	275	12.0	7.5	130	38.6	8.87	2.15
440645110402001	08-29-03	2.0	4.1	7.7	429	12.0	10.5	160	46.7	10.3	4.10

GEOLOGIC UNIT (Aquifer):

11ALVM	HOLOCENE	17STNK	SATANKA SHALE
11NBRR	NOBRARA FORMATION	25FRUN	FORT UNION FORMATION
11TRRC	SAND DUNE DEPOSITES		

GROUND-WATER QUALITY NEAR WASTEWATER-TREATMENT FACILITIES, GRAND TETON NATIONAL PARK—

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003 - Continued

Station number	Date	Sodium adsorp- tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Alka- linity, wat flt fxd end lab, mg/L as CaCO ₃ (29801)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Ammonia water, fltrd, mg/L as N (00608)
433932110430801	08-25-03	0.1	1.04	50	0.25	<0.2	7.1	1.5	57	0.08	<0.04
433939110424001	08-25-03	0.0	0.94	78	0.26	<0.2	7.6	1.5	84	0.11	<0.04
433939110425601	08-25-03	0.1	0.99	74	0.22	<0.2	8.3	1.5	80	0.11	<0.04
434117110440801	08-26-03	0.1	1.53	41	0.26	<0.2	8.5	1.1	49	0.07	<0.04
434117110441101	08-26-03	0.1	1.54	42	0.20	<0.2	8.5	1.0	50	0.07	<0.04
434920110370801	08-26-03	0.4	12.0	129	13.9	<0.2	24.3	8.6	199	0.27	<0.04
434927110370801	08-27-03	2	57.7	210	73.6	0.3	26.1	11.4	421	0.57	<0.04
435357110374102	08-27-03	3	53.6	118	67.6	0.2	20.0	7.3	258	0.35	3.93
435357110374103	08-27-03	2	45.5	174	60.1	<0.2	20.3	14.5	301	0.41	0.09
435357110374104	08-27-03	2	51.6	134	62.9	0.2	20.7	7.0	265	0.36	4.24
435357110374105	08-27-03	3	52.5	116	71.0	0.2	19.3	7.2	259	0.35	3.56
435358110374201	08-27-03	2	48.0	118	73.3	0.2	19.2	6.7	262	0.36	2.15
440640110401001	08-28-03	1	29.7	136	12.2	2.0	31.1	13.2	211	0.29	<0.04
440641110400101	08-28-03	1	22.1	105	11.5	1.4	27.9	17.3	178	0.24	<0.04
440641110402101	08-28-03	0.7	19.5	146	12.9	0.9	25.1	13.6	225	0.31	<0.04
440641110402102	08-28-03	0.7	18.5	150	13.3	0.9	24.5	13.6	229	0.31	<0.04
440641110402103	08-28-03	0.7	18.7	153	12.4	0.9	25.7	13.6	234	0.32	<0.04
440643110400101	08-28-03	0.9	19.7	111	9.51	1.3	26.6	13.3	173	0.24	<0.04
440645110401101	08-29-03	0.3	7.97	128	7.71	0.5	22.5	7.9	174	0.24	<0.04
440645110402001	08-29-03	1	34.1	190	12.5	1.6	33.8	5.1	282	0.38	<0.04

Station number	Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Total coli- form, M-Endo, immed, col/ 100 mL (31501)
433932110430801	08-25-03	0.15	<0.008	E.01	<1	<1
433939110424001	08-25-03	E.04	<0.008	<0.02	<1	<1
433939110425601	08-25-03	E.05	<0.008	<0.02	<1	<1
434117110440801	08-26-03	E.04	<0.008	<0.02	<1	<1
434117110441101	08-26-03	E.05	<0.008	<0.02	<1	<1
434920110370801	08-26-03	2.19	<0.008	0.04	<1	<1
434927110370801	08-27-03	7.71	<0.008	1.91	<1	<1
435357110374102	08-27-03	<0.06	<0.008	0.30	<1	<1
435357110374103	08-27-03	<0.06	<0.008	<0.02	<1	<1
435357110374104	08-27-03	<0.06	<0.008	0.42	<1	<1
435357110374105	08-27-03	<0.06	0.010	0.19	<1	5
435358110374201	08-27-03	<0.06	<0.008	0.23	<1	<1
440640110401001	08-28-03	0.69	<0.008	0.02	<1	<1
440641110400101	08-28-03	0.11	<0.008	E.01	<1	<1
440641110402101	08-28-03	2.10	<0.008	0.58	<1	<1
440641110402102	08-28-03	2.40	<0.008	0.59	<1	<1
440641110402103	08-28-03	2.69	<0.008	0.65	<1	<1
440643110400101	08-28-03	0.13	<0.008	E.01	<1	<1
440645110401101	08-29-03	0.16	<0.008	0.03	<1	1
440645110402001	08-29-03	4.34	<0.008	0.34	<1	11

E -- Estimated

QUALITY OF GROUND WATER
PESTICIDE AND NUTRIENT SAMPLING PROGRAM¹
(Water levels are at depth below land surface, in feet)

ALBANY COUNTY

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Well number	Station number	Geologic unit	Local identifier	Date	Time	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Altitude of land surface feet (72000)
A4	410917105492601	111ALVM	14-075-28bcc01	08-19-03	1200	30	3.4	7,230
A11	411006105524101	211NBRR	14-076-24bcd01	08-21-03	1000	90	7.6	7,325
A5	411404105425901	211NBRR	15-074-29ddc01	08-19-03	1430	40	20.1	7,200
A9	411704105315201	317STNK	15-073-12bdc01	08-20-03	1555	91	67.7	7,391
A6	411738106081001	111ALVM	15-078-03dab01	08-20-03	1015	70	21.1	8,000
A3	411753105380801	111ALVM	15-074-01daa01	08-19-03	1700	70	10.3	7,175
A1	411756105354601	111ALVM	15-073-04cbb01	08-20-03	1330	14	7.4	7,155
A8	411832105370101	111ALVM	16-073-31dda01	08-21-03	1215	13	7.1	7,155
A7	411842105362901	111ALVM	16-073-32caa01	08-19-03	0915	12	4.1	7,135
A10	412111105541201	111ALVM	16-076-15ada01	08-18-03	1230	30	9.2	7,265
A12	412624105435701	211NBRR	17-074-18ddd01	08-18-03	1040	100	9.7	7,090

Station Number	Date	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	2,4-D water, fltrd, ug/L (39732)
410917105492601	08-19-03	0.4	7.0	398	20.5	11.5	0.10	<0.06	<0.008	E.01	<0.02
411006105524101	08-21-03	5.0	7.4	3,000	25.0	11.5	2.25	0.64	0.019	<0.02	<0.02
411404105425901	08-19-03	0.2	7.1	3,420	--	11.5	0.22	<0.06	<0.008	<0.02	<0.02
411704105315201	08-20-03	6.0	7.7	410	26.5	9.0	<0.04	2.23	<0.008	<0.18	<0.02
411738106081001	08-20-03	4.0	7.1	407	23.0	9.0	<0.04	1.66	0.022	<0.18	<0.02
411753105380801	08-19-03	0.1	7.3	2,520	25.0	9.0	0.69	<0.06	<0.008	<0.02	<0.02
411756105354601	08-20-03	3.0	7.1	5,080	27.5	13.0	0.04	1.22	E.004	<0.02	<0.02
411832105370101	08-21-03	3.0	7.1	1,460	31.5	17.5	<0.04	8.57	<0.008	0.05	<0.02
411842105362901	08-19-03	1.0	6.8	2,070	22.5	15.0	E.03	9.11	0.017	0.02	<0.02
412111105541201	08-18-03	3.0	7.9	475	14.0	12.0	<0.04	0.42	<0.008	<0.02	<0.02
412624105435701	08-18-03	0.0	7.4	3,650	13.0	8.0	2.39	<0.06	E.004	<0.02	<0.02

Station Number	Date	2,4-DB water, fltrd 0.7u GF ug/L (38746)	CIAT, water, fltrd, ug/L (04040)	Ala-chlor, water, fltrd, ug/L (46342)	Aldi-carb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldi-carb sulf-oxide, wat flt 0.7u GF ug/L (49314)	Aldi-carb, water, fltrd 0.7u GF ug/L (49312)	Atra-zine, water, fltrd, ug/L (39632)	Broma-cil, water, fltrd, ug/L (04029)	Clopyr-alid, water, fltrd 0.7u GF ug/L (49305)	Cyana-zine, water, fltrd, ug/L (04041)
410917105492601	08-19-03	<0.02	<0.006	<0.004	<0.02	<0.008	<0.04	<0.007	<0.03	0.02	<0.018
411006105524101	08-21-03	<0.02	<0.006	<0.004	<0.02	<0.008	<0.04	<0.007	<0.03	<0.01	<0.018
411404105425901	08-19-03	<0.02	<0.006	<0.004	<0.02	<0.008	<0.04	<0.007	<0.03	<0.01	<0.018
411704105315201	08-20-03	<0.02	<0.006	<0.004	<0.02	<0.008	<0.04	<0.007	<0.03	<0.01	<0.018
411738106081001	08-20-03	<0.02	<0.006	<0.004	<0.02	<0.008	<0.04	0.015	<0.03	<0.01	<0.018
411753105380801	08-19-03	<0.02	<0.006	<0.004	<0.02	<0.008	<0.04	<0.007	<0.03	<0.01	<0.018
411756105354601	08-20-03	<0.02	<0.006	<0.004	<0.02	<0.008	<0.04	<0.007	<0.03	<0.01	<0.018
411832105370101	08-21-03	<0.02	<0.006	<0.004	<0.02	<0.008	<0.04	<0.007	<0.03	0.45	<0.018
411842105362901	08-19-03	<0.02	<0.006	<0.004	<0.02	<0.008	<0.04	<0.007	<0.03	<0.01	<0.018
412111105541201	08-18-03	<0.02	<0.006	<0.004	<0.02	<0.008	<0.04	<0.007	<0.03	<0.01	<0.018
412624105435701	08-18-03	<0.02	<0.006	<0.004	<0.02	<0.008	<0.04	<0.007	<0.03	<0.01	<0.018

¹ Additional pesticides were analyzed, and are listed on page 125.

PESTICIDE AND NUTRIENT SAMPLING PROGRAM—Continued

ALBANY COUNTY -- Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station Number	Date	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi- non, water, fltrd, ug/L (39572)	Dicamba water fltrd 0.7u GF ug/L (38442)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Metsul- furon, water, fltrd, ug/L (61697)	Pic- loram, water, fltrd 0.7u GF ug/L (49291)	Prome- ton, water, fltrd, ug/L (04037)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)
410917105492601	08-19-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	0.09	<0.01	<0.005	<0.02
411006105524101	08-21-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	<0.02	<0.01	<0.005	<0.02
411404105425901	08-19-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	<0.02	<0.01	<0.005	<0.02
411704105315201	08-20-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	<0.02	E.01	<0.005	<0.02
411738106081001	08-20-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	<0.02	0.09	<0.005	E.01
411753105380801	08-19-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	<0.02	<0.01	<0.005	<0.02
411756105354601	08-20-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	0.06	0.09	<0.005	0.03
411832105370101	08-21-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	0.06	0.15	0.008	0.44
411842105362901	08-19-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	<0.02	0.29	<0.005	0.58
412111105541201	08-18-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	<0.02	<0.01	<0.005	<0.02
412624105435701	08-18-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	<0.02	<0.01	<0.005	<0.02

Station Number	Date	cis- 1,3-Di- chloro- propene water unfltrd ug/L (34704)	trans- 1,3-Di- chloro- propene water unfltrd ug/L (34699)
410917105492601	08-19-03	<1	<1
411006105524101	08-21-03	<1	<1
411404105425901	08-19-03	<1	<1
411704105315201	08-20-03	<1	<1
411738106081001	08-20-03	<1	<1
411753105380801	08-19-03	<1	<1
411756105354601	08-20-03	<1	<1
411832105370101	08-21-03	<1	<1
411842105362901	08-19-03	<1	<1
412111105541201	08-18-03	<1	<1
412624105435701	08-18-03	<1	<1

E -- Estimated value

QUALITY OF GROUND WATER

PESTICIDE AND NUTRIENT SAMPLING PROGRAM¹
(Water levels are at depth below land surface, in feet)

CONVERSE COUNTY

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Well Number	Station number	Geologic unit	Local identifier	Date	Time	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Altitude of land surface feet (72000)
V9	424430105232301	111TRRC	32-071-17adc01	09-18-03	1215	25	16.5	4,810
V8	424525105225601	125FRUN	32-071-09cbd01	09-18-03	0815	30	24.5	4,830
V7	424536105231801	111TRRC	32-071-08add01	09-18-03	1430	18	13.5	4,810
V2	424751105560701	111ALVM	33-076-26dbc01	09-17-03	1000	12.5	7.6	5,140
V4	425154105513101	111ALVM	33-075-04abb01	09-17-03	1210	20	10.7	4,975

Station number	Date	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	2,4-D water, fltrd, ug/L (39732)
424430105232301	09-18-03	2.8	7.4	1,110	11.0	12.5	<0.04	6.18	<0.008	0.03	<0.02
424525105225601	09-18-03	0.5	6.9	3,590	6.0	13.5	<0.04	11.3	E.006	<0.02	<0.02
424536105231801	09-18-03	3.0	6.8	1,040	13.0	17.0	<0.04	1.91	<0.008	E.01	E13.8
424751105560701	09-17-03	0.6	7.1	1,010	9.0	12.5	<0.04	<0.06	<0.008	<0.02	<0.02
425154105513101	09-17-03	10.0	7.3	1,310	6.5	13.5	<0.04	2.01	<0.008	E.01	<0.02

Station number	Date	2,4-DB water, fltrd 0.7u GF ug/L (38746)	CIAT, water, fltrd, ug/L (04040)	Ala-chlor, water, fltrd, ug/L (46342)	Aldi-carb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldi-carb sulf-oxide, wat flt 0.7u GF ug/L (49314)	Aldi-carb, water, fltrd 0.7u GF ug/L (49312)	Atra-zine, water, fltrd, ug/L (39632)	Broma-cil, water, fltrd, ug/L (04029)	Clopyr-alid, water, fltrd 0.7u GF ug/L (49305)	Cyana-zine, water, fltrd, ug/L (04041)
424430105232301	09-18-03	<0.02	E.004	<0.004	<0.02	<0.008	<0.04	E.003	<0.03	<0.01	<0.018
424525105225601	09-18-03	<0.02	<0.006	<0.004	<0.02	<0.008	<0.04	<0.007	<0.03	<0.01	<0.018
424536105231801	09-18-03	<0.02	E.004	<0.004	<0.02	<0.008	<0.04	E.005	<0.03	E22.6	<0.018
424751105560701	09-17-03	<0.02	<0.006	<0.004	<0.02	<0.008	<0.04	<0.007	<0.03	<0.01	<0.018
425154105513101	09-17-03	<0.02	<0.006	<0.004	<0.02	<0.008	<0.04	<0.007	<0.03	<0.01	<0.018

Station number	Date	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi-non, water, fltrd, ug/L (39572)	Dicamba water, fltrd 0.7u GF ug/L (38442)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Metsul-furon, water, fltrd, ug/L (61697)	Pic-loram, water, fltrd 0.7u GF ug/L (49291)	Prome-ton, water, fltrd, ug/L (04037)	Sima-zine, water, fltrd, ug/L (04035)	Tebu-thiuron water, fltrd 0.7u GF ug/L (82670)
424430105232301	09-18-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	<0.02	<0.01	<0.005	<0.02
424525105225601	09-18-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	<0.02	<0.01	<0.005	<0.02
424536105231801	09-18-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	<0.02	0.10	0.006	E.35
424751105560701	09-17-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	<0.02	<0.01	<0.005	<0.02
425154105513101	09-17-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	<0.02	0.18	<0.005	<0.02

¹ Additional pesticides were analyzed, and are listed on page 125.

PESTICIDE AND NUTRIENT SAMPLING PROGRAM—Continued

CONVERSE COUNTY --Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Date	cis- 1,3-Di- chloro- propene water unfltrd ug/L (34704)	trans- 1,3-Di- chloro- propene water unfltrd ug/L (34699)
424430105232301	09-18-03	<1	<1
424525105225601	09-18-03	<1	<1
424536105231801	09-18-03	<1	<1
424751105560701	09-17-03	<1	<1
425154105513101	09-17-03	<1	<1

E -- Estimated value

QUALITY OF GROUND WATER
PESTICIDE AND NUTRIENT SAMPLING PROGRAM¹
(Water levels are at depth below land surface, in feet)

HOT SPRINGS COUNTY

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Well Number	Station number	Geologic unit		Local identifier		Date	Time	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Altitude of land surface feet (72000)	
HOT SPRINGS COUNTY											
H3	433644108124401	111ALVM	42-095-13bbd01		09-16-03	1430	73	38.3	4,380		
H4	433756108130901	111ALVM	42-095-02ddb01		08-11-03	1530	70	21.3	4,350		
H11	433843108122001	111ALVM	43-095-36cdd01		08-12-03	0800	20	10.3	4,330		
H5	433923108121501	111ALVM	43-095-36acd01		08-13-03	1700	19	11.8	4,330		
H12	434048108235001	111ALVM	8N-4E-10ccb02		08-12-03	1900	30	17.4	4,800		
H2	434221108261101	111ALVM	43-097-12ddb01		08-13-03	1230	50	18.4	4,940		
H6	434229108115501	111ALVM	43-095-12dab01		08-12-03	1100	31	14.3	4,370		
H8	434305108093801	111ALVM	43-094-05ddb01		08-12-03	1300	42	7.3	4,290		
H1	434334108351101	111ALVM	9N-02E-25cad01		08-13-03	0845	15	8.3	5,340		
H9	434358108102901	111ALVM	44-094-32ccc01		08-12-03	1600	45	E10	4,310		
H10	434523108090601	111ALVM	44-094-28bbd01		08-11-03	1845	22	3.9	4,255		
Station number	Date	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	2,4-D water, fltrd, ug/L (39732)
433644108124401	09-16-03	4.3	7.1	3,510	25.5	13.0	<0.04	11.9	<0.008	E.01	<0.02
433756108130901	08-11-03	3.1	7.0	2,150	33.5	13.5	0.05	0.84	<0.008	0.02	<0.02
433843108122001	08-12-03	0.1	7.1	6,500	20.0	14.0	0.06	32.9	0.109	0.04	<0.02
433923108121501	08-13-03	1.3	6.6	2,670	37.5	20.0	E.03	3.30	<0.008	<0.18	<0.02
434048108235001	08-12-03	1.5	8.0	1,600	30.0	12.0	0.67	<0.06	E.007	E.01	<0.02
434221108261101	08-13-03	7.0	7.5	1,800	34.0	17.0	<0.04	3.98	<0.008	0.02	<0.02
434229108115501	08-12-03	5.0	7.2	2,090	36.5	13.0	<0.04	4.52	<0.008	<0.18	<0.02
434305108093801	08-12-03	0.1	7.4	2,620	37.5	13.0	0.56	<0.06	<0.008	0.02	<0.02
434334108351101	08-13-03	1.0	7.1	2,390	25.5	11.5	<0.04	<0.06	<0.008	<0.18	<0.02
434358108102901	08-12-03	2.0	7.2	1,430	37.5	13.0	<0.04	0.26	<0.008	E.01	<0.02
434523108090601	08-11-03	1.0	7.2	3,470	34.5	10.5	E.03	<0.06	<0.008	0.04	<0.02
Station number	Date	2,4-DB water, fltrd 0.7u GF ug/L (38746)	CIAT, water, fltrd, ug/L (04040)	Ala-chlor, water, fltrd, ug/L (46342)	Aldi-carb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldi-carb sulf-oxide, wat flt 0.7u GF ug/L (49314)	Aldi-carb, water, fltrd 0.7u GF ug/L (49312)	Atra-zine, water, fltrd, ug/L (39632)	Broma-cil, water, fltrd, ug/L (04029)	Clopyr-alid, water, fltrd 0.7u GF ug/L (49305)	Cyana-zine, water, fltrd, ug/L (04041)
433644108124401	09-16-03	<0.02	E.107	<0.004	<0.02	<0.008	<0.04	0.021	<0.03	<0.01	<0.018
433756108130901	08-11-03	<0.02	<0.006	<0.004	<0.02	<0.008	<0.04	<0.007	<0.03	<0.01	<0.018
433843108122001	08-12-03	<0.02	E.022	<0.004	<0.02	<0.008	<0.04	0.018	E.06	<0.01	<0.018
433923108121501	08-13-03	<0.02	<0.006	<0.004	<0.02	<0.008	<0.04	<0.007	<0.03	<0.01	<0.018
434048108235001	08-12-03	<0.02	<0.006	<0.004	<0.02	<0.008	<0.04	<0.007	<0.03	<0.01	<0.018
434221108261101	08-13-03	<0.02	<0.006	<0.004	<0.02	<0.008	<0.04	<0.007	<0.03	<0.01	<0.018
434229108115501	08-12-03	<0.02	<0.006	<0.004	<0.02	<0.008	<0.04	<0.007	<0.03	<0.01	<0.018
434305108093801	08-12-03	<0.02	<0.006	<0.004	<0.02	<0.008	<0.04	<0.007	<0.03	<0.01	<0.018
434334108351101	08-13-03	<0.02	<0.006	<0.004	<0.02	<0.008	<0.04	<0.007	<0.03	<0.01	<0.018
434358108102901	08-12-03	<0.02	E.003	<0.004	<0.02	<0.008	<0.04	E.003	<0.03	<0.01	<0.018
434523108090601	08-11-03	<0.02	<0.006	<0.004	<0.02	<0.008	<0.04	<0.007	<0.03	<0.01	<0.018

¹ Additional pesticides were analyzed and are listed on page 125.

PESTICIDE AND NUTRIENT SAMPLING PROGRAM—Continued

HOT SPRINGS COUNTY -- Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Date	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi- non, water, fltrd, ug/L (39572)	Dicamba water fltrd 0.7u GF ug/L (38442)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Metsul- furon, water, fltrd, ug/L (61697)	Pic- loram, water, fltrd 0.7u GF ug/L (49291)	Prome- ton, water, fltrd, ug/L (04037)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)
433644108124401	09-16-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	<0.02	E.01	0.009	0.08
433756108130901	08-11-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	<0.02	<0.01	<0.005	E.04
433843108122001	08-12-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	<0.02	0.40	0.010	E.33
433923108121501	08-13-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	<0.02	0.06	<0.005	1.97
434048108235001	08-12-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	0.07	<0.01	<0.005	<0.02
434221108261101	08-13-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	<0.02	<0.01	<0.005	<0.02
434229108115501	08-12-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	<0.02	E.01	<0.005	0.02
434305108093801	08-12-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	<0.02	<0.01	<0.005	<0.02
434334108351101	08-13-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	<0.02	<0.01	<0.005	<0.02
434358108102901	08-12-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	0.65	E.01	<0.005	0.08
434523108090601	08-11-03	<0.003	<0.005	<0.01	<0.013	<0.006	<0.03	<0.02	<0.01	<0.005	<0.02
		Station number		Date		cis- 1,3-Di- chloro- propene water unfltrd ug/L (34704)	trans- 1,3-Di- chloro- propene water unfltrd ug/L (34699)				
		433644108124401		09-16-03		<1	<1				
		433756108130901		08-11-03		<1	<1				
		433843108122001		08-12-03		<7	<7				
		433923108121501		08-13-03		<1	<1				
		434048108235001		08-12-03		<1	<1				
		434221108261101		08-13-03		<1	<1				
		434229108115501		08-12-03		<1	<1				
		434305108093801		08-12-03		<1	<1				
		434334108351101		08-13-03		<1	<1				
		434358108102901		08-12-03		<1	<1				
		434523108090601		08-11-03		<1	<1				

QUALITY OF GROUND WATER

SUPPLEMENTARY DATA FOR PESTICIDE AND NUTRIENT SAMPLING PROGRAM, DETECTIONS
(Water levels are at depths below land surface, in feet)

ALBANY COUNTY

Station number	Date	Time	Diuron, water, fltrd 0.7u GF ug/L (49300)	Mala- thion, water, fltrd, ug/L (39532)	Carbon di- sulfide water unfltrd ug/L (77041)
411006105524101	08-21-03	1000		E.007	
411753105380801	08-19-03	1700			E.4
411832105370101	08-21-03	1215	E.01		

CONVERSE COUNTY

Local identifier	Date	Time	2,4-D methyl ester, water, fltrd, ug/L (50470)	Tri- clopyr, water, fltrd 0.7u GF ug/L (49235)
424536105231801	09-18-03	1430	0.737	E18.6

HOT SPRINGS COUNTY

Local identifier	Date	Time	Diuron, water, fltrd 0.7u GF ug/L (49300)	Norflur azon, water, fltrd 0.7u GF ug/L (49293)
433923108121501	08-13-03	1700	E.01	
434358108102901	08-12-03	1600		E.02

SUPPLEMENTARY DATA FOR PESTICIDE AND NUTRIENT SAMPLING PROGRAM: ALBANY, HOT SPRINGS, AND CONVERSE COUNTIES

These organic compounds are not pesticides of focus for the Pesticide and Nutrient Sampling Program (tabled on pages 118-123), but are included in the analytical methods employed by the program. With the exception of the compounds listed in bold, no detections of these compounds were found in the counties sample in Water Year 2003. The results of these detections are tabled on page 124.

PARAMETER CODE	COMPOUND NAME	MINIMUM REPORTING LEVEL
45617	1,2-DICHLOROETHENE, WATER, WHOLE, RECOVERABLE, UG/L	1
82660	2,6-DIETHYLANILINE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.006
49308	3-HYDROXYCARBOFURAN, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.006
49260	ACETOCHLOR, WATER, FILTERED, RECOVERABLE, (UG/L)	0.006
49315	ACIFLUORFEN, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.007
34253	ALPHA BHC (UG/L)	0.005
82673	BENFLURALIN, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.01
38711	BENTAZON, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.01
49311	BROMOXYNIL, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.02
04028	BUTYLATE, WATER, DISSOLVED, RECOVERABLE, UG/L	0.002
49310	CARBARYL, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.03
82680	CARBARYL, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.041
49309	CARBOFURAN, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.006
82674	CARBOFURAN, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.02
61188	CHLORAMBEN, METHYL ESTER, WATER, FILTERED, RECOVERABLE, (UG/L)	0.02
49306	CHLOROTHALONIL, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.04
38933	CHLORPYRIFOS DISSOLVED, UG/L	0.005
49304	DACTHAL, MONO-ACID, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.01
49302	DICHLORPROP, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.12
39381	DIELDRIN, DISSOLVED (UG/L)	0.005
49301	DINOSEB, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.1
82677	DISULFOTON, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.02
49300	DIURON, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.01
82668	EPTC, WATER, FILTERED, LASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.002
82663	ETHALFLURALIN, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.009
82672	ETHOPROP, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.005
49297	FENURON, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.03
38811	FLUOMETURON, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.03
04095	FONOFOS, WATER, DISSOLVED, RECOVERABLE, UG/L	0.003
39341	LINDANE, DISSOLVED (UG/L)	0.004
38478	LINURON, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.01
82666	LINURON, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.035
39532	MALATHION, DISSOLVED (UG/L)	0.027
38482	MCPA, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.2
38487	MCPB, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.01
38501	METHIOCARB, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.008
49296	METHOMYL, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.004
82686	METHYL AZINPHOS, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.05
82667	METHYL PARATHION, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.006
82671	MOLINATE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.002
82684	NAPROPAMIDE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.007
49294	NEBURON, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.01
49293	NORFLURAZON, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.02
49292	ORYZALIN, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.02
38866	OXAMYL, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.01
34653	P,P' DDE DISSOLVED (UG/L)	0.003
39542	PARATHION, DISSOLVED (UG/L)	0.01
82669	PEBULATE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.004
82683	PENDIMETHALIN, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.022
82687	PERMETHRIN, CIS, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.006
82664	PHORATE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.011
82676	PRONAMIDE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.004
04024	PROPACHLOR, WATER, DISSOLVED, RECOVERABLE, UG/L	0.01
82679	PROPANIL, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.011
82685	PROPARGITE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.02
49236	PROPHAM, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.01

PARAMETER CODE	COMPOUND NAME	MINIMUM REPORTING LEVEL
38538	PROPOXUR, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.008
82665	TERBACIL, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.034
82675	TERBUFOS, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.02
82681	THIOBENCARB, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.005
82678	TRIALATE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.002
49235	TRICLOPYR, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.02
82661	TRIFLURALIN, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.009
81551	XYLENE, WATER, UNFILTERED, RECOVERABLE, UG/L	2
34506	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1
34511	1,1,2-TRICHLOROETHANE TOTAL (UG/L)	1
34496	1,1-DICHLOROETHANE TOTAL (UG/L)	1
34501	1,1-DICHLOROETHYLENE TOTAL (UG/L)	1
32103	1,2-DICHLOROETHANE TOTAL (UG/L)	1
34541	1,2-DICHLOROPROPANE TOTAL (UG/L)	1
77103	2-HEXANONE, WATER, WHOLE, TOTAL, (UG/L)	5
81552	ACETONE, WATER, WHOLE, TOTAL, (UG/L)	10
34030	BENZENE, TOTAL (UG/L)	1
32104	BROMOFORM TOTAL (UG/L)	1
77041	CARBON DISULFIDE, WATER, WHOLE, TOTAL, (UG/L)	1
32102	CARBON TETRACHLORIDE, WATER, UNFILTERED, RECOVERABLE, (UG/L)	1
34301	CHLOROBENZENE TOTAL (UG/L)	1
32105	CHLORODIBROMOMETHANE TOTAL (UG/L)	1
34311	CHLOROETHANE TOTAL (UG/L)	2
32106	CHLOROFORM TOTAL (UG/L)	1
77093	CIS-1,2-DICHLOROETHENE, WATER, WHOLE, TOTAL, UG/L	1
32101	BROMODICHLOROMETHANE, WATER, UNFILTERED, RECOVERABLE, (UG/L)	1
34516	ETHANE, 1,1,2,2-TETRACHLORO-, WATER, UNFILTERED, RECOVERABLE, UG/L	1
34371	ETHYLBENZENE TOTAL (UG/L)	1
34413	METHYLBROMIDE TOTAL (UG/L)	2
34418	METHYLCHLORIDE, TOTAL (UG/L)	2
34423	METHYLENE CHLORIDE, WATER, UNFILTERED, RECOVERABLE, (UG/L)	5
81595	METHYLETHYLKETONE, WATER, WHOLE, TOTAL, (UG/L)	5
78133	METHYL ISOBUTYL KETONE, WATER, WHOLE, TOTAL, (UG/L)	5
77128	STYRENE, TOTAL (UG/L)	1
34475	TETRACHLOROETHYLENE TOTAL (UG/L)	1
34010	TOLUENE, TOTAL (UG/L)	1
39180	TRICHLOROETHYLENE TOTAL (UG/L)	1
50470	2,4-D METHYLESTER (UG/L)	0.0086
50299	BENDIOCARB (UG/L)	0.0252
50300	BENOMYL (UG/L)	0.0038
61693	BENSULFURON-METHYL (UG/L)	0.0158
50305	CAFFEINE (UG/L)	0.0096
50306	CHLORIMURON-ETHYL (UG/L)	0.0096
04031	CYCLOATE (UG/L)	0.013
04033	DIPHENAMID (UG/L)	0.0264
61694	FLUMETURON (UG/L)	0.011
50356	IMAZAQUIN (UG/L)	0.016
50407	IMAZETHAPYR (UG/L)	0.017
61695	IMIDACLOPRID (UG/L)	0.0068
50359	METALAXYL (UG/L)	0.02
61692	3(4-CHLOROPHENYL)-1-METHYL UREA (UG/L)	0.0242
50364	NICOCULFURON (UG/L)	0.013
50471	PROPICONAZOLE (UG/L)	0.021
38538	PROPOXUR (UG/L)	0.008
50337	SULFOMETURON-METHYL (UG/L)	0.0088

¹ The minimum reporting level (MRL) is the lowest concentration for which a chemical can be quantified by the analytical method. In practice, the MRL is affected by many variables associated with the sample, sampling, preservation, shipping, and laboratory conditions. Actual MRL values occasionally vary from sample to sample.

PESTICIDE AND NUTRIENT SAMPLING PROGRAM¹
(Water levels are at depth below land surface, in feet)

UINTA COUNTY

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Well Number	Station number	Geologic unit	Local identifier	Date	Time	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Altitude of land surface feet (72000)
U5	410241110523801	111ALVM	12-119-06dbd02	04-24-03	0800	35	E10	7,540
U3	410411110074101	111ALVM	13-113-34aab01	04-23-03	0945	45	2.8	7,400
U4	410647110503101	111ALVM	13-119-09dcc01	04-23-03	2000	23	6.4	7,350
U8	411332110235301	111ALVM	14-115-05aca01	04-23-03	1330	50	2.7	7,060
U7	411400111000801	111ALVM	15-120-31cba01	04-23-03	1800	24	18.7	6,755
U11	411544110573801	111ALVM	15-120-21cbd02	04-22-03	0945	51	25.7	6,770
U9	411614110202801	111ALVM	15-115-23abd01	04-21-03	1530	13	6.0	6,810
U2	411643110583401	111ALVM	15-120-17bdd01	04-22-03	1630	35	7.3	6,710
U12	411926110214201	111ALVM	16-115-34acd01	04-24-03	1030	50	E10	6,650
U10	411937110172801	111ALVM	16-114-32bdb01	04-21-03	1400	13	5.1	6,700
U6	412035111001801	111ALVM	16-121-25aaa01	04-22-03	1430	50	13.8	6,580
U1	412315111010301	111ALVM	16-121-01cdc01	04-22-03	1230	50	E10	6,510

Station number	Date	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	2,4-D water, fltrd, ug/L (39732)	2,4-DB water, fltrd 0.7u GF ug/L (38746)
410241110523801	04-24-03	M	7.1	610	5.0	<0.04	0.15	0.008	<0.02	<0.16	<0.25
410411110074101	04-23-03	M	8.3	1,100	6.5	0.45	<0.06	<0.008	E.01	<0.16	<0.25
410647110503101	04-23-03	0.1	7.4	419	7.5	<0.04	0.11	<0.008	E.01	<0.16	<0.25
411332110235301	04-23-03	0.1	8.2	502	8.5	0.06	<0.06	<0.008	<0.02	<0.16	<0.25
411400111000801	04-23-03	1.1	7.3	836	9.0	<0.04	0.09	<0.008	<0.02	<0.16	<0.25
411544110573801	04-22-03	5.0	7.6	709	10.0	<0.04	2.33	<0.008	0.03	<0.16	<0.25
411614110202801	04-21-03	0.4	7.2	893	8.0	<0.04	<0.06	<0.008	<0.02	<0.16	<0.25
411643110583401	04-22-03	0.1	7.2	502	8.5	<0.04	E.04	<0.008	<0.02	<0.16	<0.25
411926110214201	04-24-03	4.0	7.5	3,670	9.0	0.69	<0.06	<0.008	<0.02	<0.16	<0.25
411937110172801	04-21-03	1.0	7.2	6,160	8.5	E.03	9.83	<0.008	0.04	<0.16	<0.25
412035111001801	04-22-03	0.1	7.7	717	9.0	<0.04	0.57	<0.008	E.02	<0.16	<0.25
412315111010301	04-22-03	4.0	7.6	785	8.0	E.04	<0.06	<0.008	<0.02	<0.16	<0.25

Station number	Date	CIAT, water, fltrd, ug/L (04040)	Ala-chlor, water, fltrd, ug/L (46342)	Aldi-carb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldi-carb sulf-oxide, wat flt ug/L (49314)	Aldi-carb, water, fltrd 0.7u GF ug/L (49312)	Atra-zine, water, fltrd, ug/L (39632)	Broma-cil, water, fltrd, ug/L (04029)	Clopyr-alid, water, fltrd 0.7u GF ug/L (49305)	Cyana-zine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)
410241110523801	04-24-03	<0.006	<0.004	<0.20	<0.27	<0.21	<0.007	<0.09	<0.42	<0.018	<0.003
410411110074101	04-23-03	<0.006	<0.004	<0.20	<0.27	<0.21	<0.007	<0.09	<0.42	<0.018	<0.003
410647110503101	04-23-03	<0.006	<0.004	<0.20	<0.27	<0.21	<0.007	<0.09	<0.42	<0.018	<0.003
411332110235301	04-23-03	<0.006	<0.004	<0.20	<0.27	<0.21	<0.007	<0.09	<0.42	<0.018	<0.003
411400111000801	04-23-03	<0.006	<0.004	<0.21	<0.27	<0.21	<0.007	<0.09	<0.42	<0.018	<0.003
411544110573801	04-22-03	<0.006	<0.004	<0.20	<0.27	<0.21	E.006	<0.17	<0.42	<0.018	<0.003
411614110202801	04-21-03	<0.006	<0.004	<0.20	<0.27	<0.21	<0.007	<0.09	<0.42	<0.018	<0.003
411643110583401	04-22-03	<0.006	<0.004	<0.20	<0.27	<0.21	0.009	<0.09	<0.42	<0.018	<0.003
411926110214201	04-24-03	<0.006	<0.004	<0.20	<0.27	<0.21	<0.007	<0.09	<0.42	<0.018	<0.003
411937110172801	04-21-03	<0.006	<0.004	<0.20	<0.27	<0.21	<0.007	0.12	<0.42	<0.018	<0.003
412035111001801	04-22-03	<0.006	<0.004	<0.20	<0.27	<0.21	<0.007	<0.09	<0.42	<0.018	<0.003
412315111010301	04-22-03	<0.006	<0.004	<0.20	<0.27	<0.21	<0.007	<0.09	<0.42	<0.018	<0.003

¹ Additional pesticides were analyzed, and are listed on page 129.

QUALITY OF GROUND WATER
PESTICIDE AND NUTRIENT SAMPLING PROGRAM—Continued

UNITA COUNTY -- Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Date	Diazi- non, water, fltrd, ug/L (39572)	Dicamba water fltrd 0.7u GF ug/L (38442)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Pic- loram, water, fltrd 0.7u GF ug/L (49291)	Prome- ton, water, fltrd, ug/L (04037)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	cis- 1,3-Di- chloro- propene water unfltrd ug/L (34704)	trans- 1,3-Di- chloro- propene water unfltrd ug/L (34699)
410241110523801	04-24-03	<0.005	<0.11	<0.013	<0.006	<0.09	<0.01	<0.005	<0.02	<1	<1
410411110074101	04-23-03	<0.005	<0.11	<0.013	<0.006	<0.09	<0.01	<0.005	<0.02	<1	<1
410647110503101	04-23-03	<0.005	<0.11	<0.013	<0.006	<0.09	<0.01	<0.005	<0.02	<1	<1
411332110235301	04-23-03	<0.005	<0.11	<0.013	<0.006	<0.09	<0.01	<0.005	<0.02	<1	<1
411400111000801	04-23-03	<0.005	<0.11	<0.013	<0.006	<0.09	<0.01	<0.005	<0.02	<1	<1
411544110573801	04-22-03	<0.005	<0.11	<0.013	<0.006	<0.09	0.11	0.036	<0.02	<1	<1
411614110202801	04-21-03	<0.005	<0.11	<0.013	<0.006	<0.09	0.03	<0.005	<0.02	<1	<1
411643110583401	04-22-03	<0.005	<0.11	<0.013	<0.006	<0.09	0.42	E.003	<0.02	<1	<1
411926110214201	04-24-03	<0.005	<0.11	<0.013	<0.006	<0.09	<0.01	<0.005	<0.02	<1	<1
411937110172801	04-21-03	<0.005	<0.11	<0.013	<0.006	<0.09	0.37	<0.005	<0.02	<1	<1
412035111001801	04-22-03	<0.005	<0.11	<0.013	<0.006	<0.09	0.03	<0.005	<0.02	<1	<1
412315111010301	04-22-03	<0.005	<0.11	<0.013	<0.006	<0.09	<0.01	<0.005	<0.02	<1	<1

E -- Estimated value

M -- Presence verified, not quantified

SUPPLEMENTARY DATA FOR PESTICIDE AND NUTRIENT SAMPLING PROGRAM: UINTA COUNTY

These organic compounds are not pesticides of focus for the Pesticide and Nutrient Sampling Program (tabled on pages 127-128), but are included in the analytical methods employed by the program. With the exception of the one compound listed in bold, no detections of these compounds were found in Uinta County Water Year 2003. The results are shown at the end of this table.

PARAMETER CODE	COMPOUND NAME	MINIMUM REPORTING LEVEL
45617	1,2-DICHLOROETHENE, WATER, WHOLE, RECOVERABLE, UG/L	1
39742	2,4,5-T, DISSOLVED (UG/L)	0.07
82660	2,6-DIETHYLANILINE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.006
49308	3-HYDROXYCARBOFURAN, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.11
49260	ACETOCHLOR, WATER, FILTERED, RECOVERABLE, (UG/L)	0.006
49315	ACIFLUORFEN, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.05
34253	ALPHA BHC (UG/L)	0.005
82673	BENFLURALIN, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.01
38711	BENTAZON, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.05
49311	BROMOXYNIL, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.07
04028	BUTYLATE, WATER, DISSOLVED, RECOVERABLE, UG/L	0.002
49310	CARBARYL, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.08
82680	CARBARYL, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.041
49309	CARBOFURAN, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.15
82674	CARBOFURAN, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.02
61188	CHLORAMBEN, METHYL ESTER, WATER, FILTERED, RECOVERABLE, (UG/L)	0.21
49306	CHLOROTHALONIL, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.25
38933	CHLORPYRIFOS DISSOLVED, UG/L	0.005
49304	DACTHAL, MONO-ACID, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.07
49303	DICHOLOBENIL, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.09
49302	DICHLORPROP, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.12
39381	DIELDRIN, DISSOLVED (UG/L)	0.005
49301	DINOSEB, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.1
82677	DISULFOTON, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.02
49300	DIURON, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.12
49299	DNOC, WATER, FILTERED, GF, 0.7 U, REC, (UG/L)	0.25
82668	EPTC, WATER, FILTERED, LASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.002
82663	ETHALFLURALIN, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.009
82672	ETHOPROP, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.005
49297	FENURON, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.07
38811	FLUOMETURON, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.06
04095	FONOFOS, WATER, DISSOLVED, RECOVERABLE, UG/L	0.003
39341	LINDANE, DISSOLVED (UG/L)	0.004
38478	LINURON, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.06
82666	LINURON, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.035
39532	MALATHION, DISSOLVED (UG/L)	0.027
38482	MCPA, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.2
38487	MCPB, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.26
38501	METHIOCARB, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.07
49296	METHOMYL, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.22
82686	METHYL AZINPHOS, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.05
82667	METHYL PARATHION, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.006
82671	MOLINATE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.002
82684	NAPROPAMIDE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.007
49294	NEBURON, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.07
49293	NORFLURAZON, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.04
49292	ORYZALIN, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.28
38866	OXAMYL, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.16
34653	P,P' DDE DISSOLVED (UG/L)	0.003
39542	PARATHION, DISSOLVED (UG/L)	0.01
82669	PEBULATE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.004
82683	PENDIMETHALIN, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.022
82687	PERMETHRIN, CIS, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.006
82664	PHORATE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.011
82676	PROMAMIDE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.004
04024	PROPACHLOR, WATER, DISSOLVED, RECOVERABLE, UG/L	0.01
82679	PROPANIL, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.011
82685	PROPARGITE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.02
49236	PROPHAM, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.22
38538	PROPOXUR, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.12
39762	SILVEX, DISSOLVED (UG/L)	0.03
82665	TERBACIL, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.034
82675	TERBUFOS, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.02

GROUND-WATER LEVELS

PARAMETER CODE	COMPOUND NAME	MINIMUM REPORTING LEVEL
04022	TERBUTHYLAZINE, WATER, DISSOLVED, RECOVERABLE, UG/L	
82681	THIOBENCARB, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.005
82678	TRIALATE, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.002
49235	TRICLOPYR, WATER, FILTERED, GF, 0.7 U, RECOVERABLE, (UG/L)	0.07
82661	TRIFLURALIN, WATER, FILTERED, GLASS FIBER, 0.7 U, RECOVERABLE, UG/L	0.009
81551	XYLENE, WATER, UNFILTERED, RECOVERABLE, UG/L	1
34506	1,1,1-TRICHLOROETHANE TOTAL (UG/L)	1
34511	1,1,2-TRICHLOROETHANE TOTAL (UG/L)	1
34496	1,1-DICHLOROETHANE TOTAL (UG/L)	1
34501	1,1-DICHLOROETHYLENE TOTAL (UG/L)	1
32103	1,2-DICHLOROETHANE TOTAL (UG/L)	1
34541	1,2-DICHLOROPROPANE TOTAL (UG/L)	1
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	0.5
77103	2-HEXANONE, WATER, WHOLE, TOTAL, (UG/L)	5
81552	ACETONE, WATER, WHOLE, TOTAL, (UG/L)	10
34030	BENZENE, TOTAL (UG/L)	1
32104	BROMOFORM TOTAL (UG/L)	1
77041	CARBON DISULFIDE, WATER, WHOLE, TOTAL, (UG/L)	1
32102	CARBON TETRACHLORIDE, WATER, UNFILTERED, RECOVERABLE, (UG/L)	1
34301	CHLOROBENZENE TOTAL (UG/L)	1
32105	CHLORODIBROMOMETHANE TOTAL (UG/L)	1
34311	CHLOROETHANE TOTAL (UG/L)	2
32106	CHLOROFORM TOTAL (UG/L)	1
77093	CIS-1,2-DICHLOROETHENE, WATER, WHOLE, TOTAL, UG/L	1
32101	BROMODICHLOROMETHANE, WATER, UNFILTERED, RECOVERABLE, (UG/L)	1
34516	ETHANE, 1,1,2,2-TETRACHLORO-, WATER, UNFILTERED, RECOVERABLE, UG/L	1
34371	ETHYLBENZENE TOTAL (UG/L)	1
34413	METHYLBROMIDE TOTAL (UG/L)	2
34418	METHYLCHLORIDE, TOTAL (UG/L)	2
34423	METHYLENE CHLORIDE, WATER, UNFILTERED, RECOVERABLE, (UG/L)	1
81595	METHYLETHYLKETONE, WATER, WHOLE, TOTAL, (UG/L)	5
78133	METHYL ISOBUTYL KETONE, WATER, WHOLE, TOTAL, (UG/L)	5
77128	STYRENE, TOTAL (UG/L)	1
34475	TETRACHLOROETHYLENE TOTAL (UG/L)	1
34010	TOLUENE, TOTAL (UG/L)	1
39180	TRICHLOROETHYLENE TOTAL (UG/L)	1

¹ The minimum reporting level (MRL) is the lowest concentration for which a chemical can be quantified by the analytical method. In practice, the MRL is affected by many variables associated with the sample, sampling, preservation, shipping, and laboratory conditions. Actual MRL values occasionally vary from sample to sample.

UINTA COUNTY

Station Number	Date	Time	1,1-Di- chloro- ethene, water, unfltrd ug/L (34501)
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UINTA COUNTY

410241110523801	04-24-03	0800	M
412315111010301	04-22-03	1230	M

M -- Presence verified, not quantified

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Conversion Factors

Multiply	By	To obtain
Length		
inch (in.)	2.54×10^1	millimeter (mm)
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter (m)
mile (mi)	1.609×10^0	kilometer (km)
Area		
acre	4.047×10^3	square meter (m ²)
	4.047×10^{-1}	square hectometer (hm ²)
	4.047×10^{-3}	square kilometer (km ²)
square mile (mi ²)	2.590×10^0	square kilometer (km ²)
Volume		
gallon (gal)	3.785×10^0	liter (L)
	3.785×10^{-3}	cubic meter (m ³)
	3.785×10^0	cubic decimeter (dm ³)
million gallons (Mgal)	3.785×10^3	cubic meter (m ³)
	3.785×10^{-3}	cubic hectometer (hm ³)
cubic foot (ft ³)	2.832×10^{-2}	cubic meter (m ³)
	2.832×10^1	cubic decimeter (dm ³)
cubic-foot-per-second-per-day [(ft ³ /s/d)]	2.447×10^3	cubic meter (m ³)
	2.447×10^{-3}	cubic hectometer (hm ³)
acre-foot (acre-ft)	1.223×10^3	cubic meter (m ³)
	1.223×10^{-3}	cubic hectometer (hm ³)
	1.223×10^{-6}	cubic kilometer (km ³)
Flow rate		
cubic foot per second (ft ³ /s)	2.832×10^1	liter (L/s)
	2.832×10^{-2}	cubic meter per second (m ³ /s)
	2.832×10^1	cubic decimeter per second (dm ³ /s)
gallon per minute (gal/min)	6.309×10^{-2}	liter per second (L/s)
	6.309×10^{-5}	cubic meter per second (m ³ /s)
	6.309×10^{-2}	cubic decimeter per second (dm ³ /s)
million gallons per day (Mgal/d)	4.381×10^{-2}	cubic meter per second
	4.381×10^1	cubic decimeter per second (dm ³ /s)
Mass		
ton, short (2,000 lb)	9.072×10^{-1}	megagram (Mg) or metric ton

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:

$$^{\circ}\text{F} = (1.8 \times ^{\circ}\text{C}) + 32$$



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