

Water Resources Data North Dakota Water Year 2004

Volume 2

Ground Water

By S.M. Robinson and J.D. Wald

Prepared in cooperation with the State of North Dakota
and with other agencies

Water-Data Report ND-04-2

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PREFACE

This edition of the annual hydrologic data report of North Dakota is one of a series of annual reports that document hydrologic data collected from the U.S. Geological Survey's collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by Federal, State, local agencies, and the private sector for developing and managing land and water resources in North Dakota. The records are contained in 2 volumes:

Volume 1. Surface-Water Data

Volume 2. Ground-Water Data

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. In addition to the authors, who had the primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to U.S. Geological Survey policy and established guidelines, the following North Dakota Water Science Center personnel contributed significantly to the collection, processing, and tabulation of the data:

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13. ABSTRACT <i>(Maximum 200 words)</i> Water-resources data for the 2004 water year for North Dakota consists of records of discharge, stage, and water quality for streams; contents, stage, and water quality for lakes and reservoirs; and water levels and water quality for ground-water wells. Volume 2 contains water-level records for 135 ground-water wells and water-quality records for 97 monitoring wells. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating Federal, State, and local agencies in North Dakota.		
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GROUND-WATER WELLS, BY COUNTY, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

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GROUND-WATER LEVELS, NETWORK SITES

ADAMS COUNTY

461614102515202	Local number, 132-097-07CAB2	Ludlow-Hell Creek aquifer	10
461614102515203	Local number, 132-097-07CAB3	Ludlow aquifer	11

BENSON COUNTY

475224098443202	Local number, 151-063-29AAC2	Warwick aquifer	12
475601099264701	Local number, 151-069-01BBB	Maddock aquifer	15
475515099292101	Local number, 151-069-03CCC	Maddock aquifer	17
480958099154801	Local number, 154-067-15BBB	Spiritwood aquifer	19
481041099442701	Local number, 154-071-11AAD1	Fox Hills aquifer	20
482212099475801	Local number, 156-071-04BBA	Pleasant Lake aquifer	22

BOTTINEAU COUNTY

483333101135402	Local number, 159-082-35BBB2	Glenburn aquifer	25
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BOWMAN COUNTY

461039103282801	Local number, 131-102-07DDD1	Hell Creek-Fox Hills aquifer	26
461039103282803	Local number, 131-102-07DDD3	Tongue River-Ludlow aquifer	27

BURKE COUNTY

485618102455401	Local number, 163-093-17DDD	Columbus aquifer	28
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BURLEIGH COUNTY

464540100222101	Local number, 138-077-22AAD	McKenzie aquifer	29
470556100142501	Local number, 142-075-19CCB	Wing Channel aquifer	32

CASS COUNTY

465312096543301	Local number, 139-049-06ADB	West Fargo aquifer	33
470818097294104	Local number, 142-054-03DDD4	Page aquifer	35
471326097332902	Local number, 143-054-08BBB2	Page aquifer	36

CAVALIER COUNTY

484534098254401	Local number, 161-060-21BBB	Pierre Shale aquifer	38
484444098504301	Local number, 161-063-29BBB	Munich aquifer	39

DICKEY COUNTY

460830098224701	Local number, 131-062-24DDD1	Nortonville aquifer	40
460830098224702	Local number, 131-062-24DDD2	Ellendale aquifer	41

DIVIDE COUNTY

484746104015901	Local number, 161-103-02CCB	Skjermo Lake aquifer	42
485432103151701	Local number, 163-097-34ABB	Crosby aquifer	43

DUNN COUNTY

471323102290101	Local number, 143-093-09BCB	Sentinel Butte aquifer	44
472144102453402	Local number, 145-095-22DAD2	Killdeer aquifer	45
472144102453403	Local number, 145-095-22DAD3	Killdeer aquifer	47
472537102144801	Local number, 146-091-35BBC	Goodman Creek aquifer	49

EDDY COUNTY

473934099032301	Local number, 148-066-03DDC	New Rockford aquifer	51
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EMMONS COUNTY

462539100061101	Local number, 134-075-15BBB	Fox Hills aquifer	53
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FOSTER COUNTY

473051099093601	Local number, 147-067-35AAA	Carrington aquifer	54
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GOLDEN VALLEY COUNTY

465421103590706	Local number, 140-105-30CCC6	Hell Creek-Fox Hills aquifer	56
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GRAND FORKS COUNTY

475646097372201	Local number, 152-054-31BBB	Elk Valley aquifer	57
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GROUND-WATER WELLS, BY COUNTY, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

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GROUND-WATER LEVELS, NETWORK SITES—Continued

GRANT COUNTY

463000101575101	Local number, 135-090-23BBB1	Fox Hills aquifer	60
463000101575102	Local number, 135-090-23BBB2	Tongue River aquifer	61

GRIGGS COUNTY

472412098261201	Local number, 145-061-04DAD1	Spiritwood aquifer	62
472624098013101	Local number, 146-058-26BBDB	McVile aquifer	65
473425098232901	Local number, 147-061-01CCC	Spiritwood aquifer	66

HETTINGER COUNTY

463153102521001	Local number, 135-097-04DCA	Fox Hills aquifer	68
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KIDDER COUNTY

470638099324301	Local number, 142-070-16DDD	Long Lake aquifer	70
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LaMOURE COUNTY

461958098132901	Local number, 133-060-16DAA	LaMoure aquifer	72
462447098432602	Local number, 134-064-22BBB2	Edgeley aquifer	74

LOGAN COUNTY

463417099271002	Local number, 136-070-26BBB2	Streeter aquifer	76
463240099483801	Local number, 136-073-35DDD1	Napoleon aquifer	78
463240099483802	Local number, 136-073-35DDD2	Napoleon aquifer	79

McHENRY COUNTY

480913100372501	Local number, 154-077-18CCC	New Rockford aquifer	80
480725100373303	Local number, 154-078-36AAA3	Fox Hills aquifer	83
480725100373304	Local number, 154-078-36AAA4	Hell Creek aquifer	84
481948100305901	Local number, 156-077-13CCB1	Denbigh aquifer	85
481948100305902	Local number, 156-077-13CCB2	Denbigh aquifer	87

McINTOSH COUNTY

455807099450701	Local number, 129-072-30BBB	Zeeland aquifer	89
460411099200701	Local number, 130-069-21BBB1	Spring Creek aquifer	90
460411099200702	Local number, 130-069-21BBB2	Spring Creek aquifer	91
461446099312801	Local number, 132-071-14DDD1	Wishek aquifer	92
461446099312802	Local number, 132-071-14DDD2	Wishek aquifer	93

McKENZIE COUNTY

474814103104702	Local number, 150-098-23AAB2	Cherry Creek aquifer	94
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McLEAN COUNTY

474026100583201	Local number, 148-081-03AAB	Horseshoe Valley aquifer	95
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MERCER COUNTY

472641102105901	Local number, 146-090-20CCC	Fox Hills aquifer	97
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MORTON COUNTY

464734100543501	Local number, 138-081-09ABB1	Fox Hills aquifer	98
464734100543502	Local number, 138-081-09ABB2	Hell Creek aquifer	99
464734100543504	Local number, 138-081-09ABB4	Cannonball-Ludlow aquifer	100
464847101303801	Local number, 139-086-35BCC	Sims aquifer	101
464846101464502	Local number, 139-088-34BCC2	Hell Creek aquifer	102
464846101464503	Local number, 139-088-34BCC3	Tongue River aquifer	103

MOUNTRAIL COUNTY

480120101571901	Local number, 152-088-04BBBD1	Sentinel Butte aquifer	104
480120101571902	Local number, 152-088-04BBBD2	Sentinel Butte aquifer	105

NELSON COUNTY

474806098133401	Local number, 150-059-20AAA	McVile aquifer	106
480138098074101	Local number, 153-058-32DBB	Pierre Shale aquifer	108

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GROUND-WATER LEVELS, NETWORK SITES—Continued

OLIVER COUNTY

470642101162701 Local number, 142-084-24BBA Fox Hills aquifer 109

PEMBINA COUNTY

485425097550502 Local number, 163-056-29CDD2 Pembina River aquifer 110

PIERCE COUNTY

475139099484801 Local number, 151-072-36AAA1 New Rockford aquifer 112

482033099594901 Local number, 156-073-12CCC Fox Hills aquifer 114

483054100071901 Local number, 158-073-17BBB Lake Souris aquifer 115

RAMSEY COUNTY

480449099002402 Local number, 153-065-09DDD2 Spiritwood aquifer 116

480817099013201 Local number, 154-065-21CCC Spiritwood aquifer 117

481929098392601 Local number, 156-062-20BBB Pierre Shale aquifer..... 118

RANSOM COUNTY

461838097553402 Local number, 133-058-25BBA2 Englevale aquifer 120

462400097552502 Local number, 134-058-24CDC2 Englevale aquifer 122

RENVILLE COUNTY

484500101294901 Local number, 161-084-24DDD Fox Hills aquifer 125

RICHLAND COUNTY

460358096581401 Local number, 130-050-17DDD Milnor Channel aquifer..... 126

462425096441202 Local number, 134-048-20ADD2 Colfax aquifer 128

462633097163402 Local number, 134-052-06CCD2 Sheyenne Delta aquifer 130

463422097115602 Local number, 136-052-22DDD2 Sheyenne Delta aquifer 133

ROLETTE COUNTY

484731099504104 Local number, 161-071-03CDD4 Shell Valley aquifer 136

484310099572401 Local number, 161-072-35CDC Shell Valley aquifer 137

485707100053701 Local number, 163-073-11CCC1 Fox Hills aquifer 138

485707100053702 Local number, 163-073-11CCC2 Hell Creek aquifer..... 139

SARGENT COUNTY

460120097591803 Local number, 129-058-06AAA3 Oakes aquifer 140

461003097191501 Local number, 131-053-10CCC Milnor Channel aquifer..... 142

SHERIDAN COUNTY

474817100063801 Local number, 150-074-14CCC Martin aquifer 144

SIOUX COUNTY

460244101272701 Local number, 130-086-28CCC1 Fox Hills aquifer 145

460244101272702 Local number, 130-086-28CCC2 Hell Creek aquifer..... 146

462239100375601 Local number, 134-079-32ADD Strasburg aquifer..... 147

STARK COUNTY

465755102410701 Local number, 140-095-08AAA Sentinel Butte aquifer 148

STEELE COUNTY

472024097315201 Local number, 145-054-27CDC Dakota aquifer..... 150

STUTSMAN COUNTY

463846098274101 Local number, 137-062-26DDD Spiritwood aquifer 151

465243098284801 Local number, 139-062-02CCC Spiritwood aquifer 152

465757098274401 Local number, 140-062-02DDD Spiritwood aquifer 155

TOWNER COUNTY

482908099134601 Local number, 158-066-30BBB Spiritwood aquifer 157

484209099174101 Local number, 160-067-10BBB1 Spiritwood aquifer 159

484209099174102 Local number, 160-067-10BBB2 Spiritwood aquifer 160

485659099222801 Local number, 163-067-18AAA1 Spiritwood aquifer 161

485659099222802 Local number, 163-067-18AAA2 Spiritwood aquifer 162

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WALSH COUNTY

481234097234604	Local number, 155-053-25CDD4	Lacustrine deposits	163
481234097234605	Local number, 155-053-25CDD5	Lacustrine deposits	164
481841097490301	Local number, 156-056-22DDD	Fordville aquifer	165
482408097443201	Local number, 157-055-21DBC	Dakota aquifer.....	168
482449098095801	Local number, 157-058-18DDD	Pierre Shale aquifer.....	169

WARD COUNTY

481058101120403	Local number, 154-082-03CDC3	Sundre Buried Channel aquifer.....	171
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WELLS COUNTY

472329099194401	Local number, 145-068-10BCC	Pipestem Creek aquifer.....	174
474419099371201	Local number, 149-070-09DAA1	New Rockford aquifer	176

WILLIAMS COUNTY

481056103024201	Local number, 154-096-08AAA	Hofflund aquifer	178
483016103242801	Local number, 158-099-13DDD	Ray aquifer.....	180
483127103373102	Local number, 158-100-08DAA2	Little Muddy aquifer.....	181
483700103191501	Local number, 159-098-10AAD	West Wildrose aquifer	184

GROUND-WATER LEVELS, SHEYENNE DELTA SITES

RANSOM COUNTY

462244097190101	Local number, 134-053-35BCAD	Sheyenne Delta aquifer	185
462245097191001	Local number, 134-053-35BCBD	Sheyenne Delta aquifer	185
462249097185001	Local number, 134-053-35BDAB	Sheyenne Delta aquifer	185
462248097185001	Local number, 134-053-35BDAB1	Sheyenne Delta aquifer	186
462247097184901	Local number, 134-053-35BDAB2	Sheyenne Delta aquifer	187
462248097185004	Local number, 134-053-35BDAB4	Sheyenne Delta aquifer	187
462248097185301	Local number, 134-053-35BDAB	Sheyenne Delta aquifer	187
462243097185201	Local number, 134-053-35BDBD	Sheyenne Delta aquifer	188
462653097243901	Local number, 134-054-01DABC	Sheyenne Delta aquifer	188
462651097243901	Local number, 134-054-01DACB	Sheyenne Delta aquifer	188
462653097244301	Local number, 134-054-01DBAD	Sheyenne Delta aquifer	189
462832097242101	Local number, 135-053-30CBCC	Sheyenne Delta aquifer	190
462826097241101	Local number, 135-053-30CCAC	Sheyenne Delta aquifer	191
462827097241801	Local number, 135-053-30CCBA1	Sheyenne Delta aquifer	191
462828097241401	Local number, 135-053-30CCBA2	Sheyenne Delta aquifer	191
462830097242001	Local number, 134-053-30CCBB1	Sheyenne Delta aquifer	192
462828097242301	Local number, 134-053-30CCBB2	Sheyenne Delta aquifer	192
462824097241801	Local number, 134-053-30CCBD	Sheyenne Delta aquifer	192

RICHLAND COUNTY

462303097124401	Local number, 134-052-27CDCC	Sheyenne Delta aquifer	193
462259097124001	Local number, 134-052-34BABA	Sheyenne Delta aquifer	193
462257097124501	Local number, 134-052-34BABC	Sheyenne Delta aquifer	193

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GROUND-WATER QUALITY, NETWORK SITES

<u>BENSON COUNTY</u>		
482212099475801	Local number, 156-071-04BBA	Pleasant Lake aquifer..... 194
<u>BURLEIGH COUNTY</u>		
464540100222101	Local number, 138-077-22AAD	McKenzie aquifer..... 194
<u>CASS COUNTY</u>		
471326097332902	Local number, 143-054-08BBB2	Page aquifer 194
<u>CAVALIER COUNTY</u>		
484534098254401	Local number, 161-060-21BBB	Pierre Shale aquifer..... 194
<u>DIVIDE COUNTY</u>		
484746104015901	Local number, 161-103-02CCB	Skjermo Lake aquifer..... 194
<u>FOSTER COUNTY</u>		
473051099093601	Local number, 147-067-35AAA	Carrington aquifer..... 194
<u>GRIGGS</u>		
472412098261201	Local number, 145-061-04DAD1	Spiritwood aquifer 194
<u>LaMOURE COUNTY</u>		
462447098432602	Local number, 134-064-22BBB2	Edgeley aquifer 194
<u>LOGAN COUNTY</u>		
463417099271002	Local number, 136-070-26BBB2	Streeter aquifer..... 194
<u>McHENRY COUNTY</u>		
480913100372501	Local number, 154-077-18CCC	New Rockford aquifer 194
<u>McINTOSH COUNTY</u>		
461446099312801	Local number, 132-071-14DDD1	Wishek aquifer 194
<u>McLEAN COUNTY</u>		
474026100583201	Local number, 148-081-03AAB	Horseshoe Valley aquifer..... 194
<u>NELSON COUNTY</u>		
480138098074101	Local number, 153-058-32DBB	Pierre Shale aquifer..... 194
<u>PIERCE COUNTY</u>		
482033099594901	Local number, 156-073-12CCC	Fox Hills aquifer 194
<u>RAMSEY COUNTY</u>		
481929098392601	Local number, 156-062-20BBB	Pierre Shale aquifer..... 194
<u>RANSOM COUNTY</u>		
461838097553402	Local number, 133-058-25BBA2	Englevale aquifer 194
<u>RICHLAND COUNTY</u>		
462425096441202	Local number, 134-048-20ADD2	Colfax aquifer 194
463422097115602	Local number, 136-052-22DDD2	Sheyenne Delta aquifer..... 194
<u>SARGENT COUNTY</u>		
460120097591803	Local number, 129-058-06AAA3	Oakes aquifer 194
<u>STEELE COUNTY</u>		
472024097315201	Local number, 145-054-27CDC	Dakota aquifer..... 194
<u>STUTSMAN COUNTY</u>		
465243098284801	Local number, 139-062-02CCC	Spiritwood aquifer 194
<u>TOWNER COUNTY</u>		
482908099134601	Local number, 158-066-30BBB	Spiritwood aquifer 194
<u>WALSH COUNTY</u>		
481841097490301	Local number, 156-056-22DDD	Fordville aquifer 194
<u>WILLIAMS COUNTY</u>		
483127103373102	Local number, 158-100-08DAA2	Little Muddy aquifer..... 194

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GROUND-WATER QUALITY, SHEYENNE DELTA SITES

RANSOM COUNTY

461934097173001	Local number, 133-053-13DCC1	Sheyenne Delta aquifer	196
462628097180701	Local number, 134-053-11AAA1	Sheyenne Delta aquifer	196
462214097215101	Local number, 134-053-32DDD1	Sheyenne Delta aquifer	196
462248097185004	Local number, 134-053-35BDAB4	Sheyenne Delta aquifer	196
462651097243901	Local number, 134-054-01DACB	Sheyenne Delta aquifer	196
462627097281001	Local number, 134-054-04AAA1	Sheyenne Delta aquifer	196
462540097265501	Local number, 134-054-14BBB1	Sheyenne Delta aquifer	196
462355097280701	Local number, 134-054-27BBB1	Sheyenne Delta aquifer	196
462908097215101	Local number, 135-053-28BBB1	Sheyenne Delta aquifer	196
462828097242301	Local number, 135-053-30CCBB2	Sheyenne Delta aquifer	196
462748097203501	Local number, 135-053-34CBB1	Sheyenne Delta aquifer	196
463147097253701	Local number, 135-054-01CCC1	Sheyenne Delta aquifer	196
463419097185001	Local number, 136-053-26BAB1	Sheyenne Delta aquifer	196

RICHLAND COUNTY

462211097103401	Local number, 133-052-01BBB1	Sheyenne Delta aquifer	196
462117097130401	Local number, 133-052-03CCC1	Sheyenne Delta aquifer	196
462447097142101	Local number, 134-052-17DDD1	Sheyenne Delta aquifer	196
462259097124001	Local number, 134-052-34BABA	Sheyenne Delta aquifer	196
463124097121101	Local number, 135-052-10ACDA1	Sheyenne Delta aquifer	196
462907097142201	Local number, 135-052-20DDD1	Sheyenne Delta aquifer	196

GROUND-WATER QUALITY, SPIRIT LAKE RESERVATION SITES

EDDY COUNTY

474954098313002	Local number, 150-062-01DDD2	Warwick aquifer	203
474959098335502	Local number, 150-062-03DDDD2	Warwick aquifer	203
474957098323801	Local number, 150-062-11AAA	Warwick aquifer	203
474959098393601	Local number, 150-063-01DDCC	Warwick aquifer	203
475050098402101	Local number, 150-063-02AAA	Warwick aquifer	203
474957098413701	Local number, 150-063-02CCC1	Warwick aquifer	203
474959098402302	Local number, 150-063-02DDD2	Warwick aquifer	203
475024098441401	Local number, 150-063-04CBB	Warwick aquifer	203
474959098441301	Local number, 150-063-04CCC	Warwick aquifer	203
474959098425801	Local number, 150-063-04DDD	Warwick aquifer	203
474959098453201	Local number, 150-063-05CCC	Warwick aquifer	203
474906098413801	Local number, 150-063-11CCC	Warwick aquifer	203
474948098402102	Local number, 150-063-12BBC2	Warwick aquifer	203
474906098441203	Local number, 150-063-16BBB3	Warwick aquifer	203
475050098555101	Local number, 150-064-02AAAA	Warwick aquifer	203
474959098520001	Local number, 150-064-05DDDD	Tokio aquifer	203
474906098491301	Local number, 150-064-11CCDC	Tokio aquifer	203
474813098480601	Local number, 150-064-14DDD	Tokio aquifer	203
474814098504101	Local number, 150-064-16DDD	Tokio aquifer	203

GROUND-WATER QUALITY, SPIRIT LAKE RESERVATION SITES—Continued

BENSON COUNTY

475322098332003	Local number, 151-062-23ABB3	Warwick aquifer.....	203
475236098314503	Local number, 151-062-24DDC3	Warwick aquifer.....	203
475204098313603	Local number, 151-062-25DAA3	Warwick aquifer.....	203
475051098374501	Local number, 151-062-32CCC	Warwick aquifer.....	203
475051098362701	Local number, 151-062-33CCC	Warwick aquifer.....	203
475420098464801	Local number, 151-063-07CCC	Warwick aquifer.....	203
475420098445401	Local number, 151-063-08DCC	Warwick aquifer.....	203
475328098402302	Local number, 151-063-14DDD2	Warwick aquifer.....	203
475406098425801	Local number, 151-063-16AADD	Warwick aquifer.....	203
475308098424801	Local number, 151-063-22CBBB	Warwick aquifer.....	203
475156098402301	Local number, 151-063-26DDA	Warwick aquifer.....	203
475143098425601	Local number, 151-063-27CCC	Warwick aquifer.....	203
475235098425801	Local number, 151-063-28AAA	Warwick aquifer.....	203
475130098453201	Local number, 151-063-32BBC	Warwick aquifer.....	203
475107098414001	Local number, 151-063-34DAD	Warwick aquifer.....	203
475051098390801	Local number, 151-063-36DDD	Warwick aquifer.....	203
475341098504301	Local number, 151-064-16DADD	Tokio aquifer.....	203
475420098531601	Local number, 151-064-17BBBB	Tokio aquifer.....	203
475236098541301	Local number, 151-064-19CDCC	Tokio aquifer.....	203
475328098520001	Local number, 151-064-20AAAA	Tokio aquifer.....	203
475327098531601	Local number, 151-064-20BBBB	Tokio aquifer.....	203
475303098464901	Local number, 151-064-24ADD	Warwick aquifer.....	205
475143098494401	Local number, 151-064-27DDCC	Tokio aquifer.....	205
475230098504301	Local number, 151-064-28AAAD	Tokio aquifer.....	205
475234098515901	Local number, 151-064-28BBBB	Tokio aquifer.....	205
475143098520201	Local number, 151-064-29DDDD	Tokio aquifer.....	205
475142098531601	Local number, 151-064-32BBBB	Tokio aquifer.....	205
475143098504201	Local number, 151-064-34BBBB	Tokio aquifer.....	205
475604098555001	Local number, 151-065-01BBBB	Tokio aquifer.....	205
475603098570901	Local number, 151-065-03AAA	Tokio aquifer.....	205
475419098554801	Local number, 151-065-12CCC	Tokio aquifer.....	205
475419098543701	Local number, 151-065-13AAAB	Tokio aquifer.....	205
475340098551201	Local number, 151-065-13CADD	Tokio aquifer.....	205
475326099010001	Local number, 151-065-20BBBB	Tokio aquifer.....	205
475234098554901	Local number, 151-065-25BBBB	Tokio aquifer.....	205
475116098554901	Local number, 151-065-36CBB	Tokio aquifer.....	205
475656098531601	Local number, 152-064-32BBBB	Tokio aquifer.....	205
475657098571002	Local number, 152-065-27DDD2	Tokio aquifer.....	205
475630098555001	Local number, 152-065-36CBBB	Tokio aquifer.....	205

INTRODUCTION

The Water Resources Division of the U.S. Geological Survey, in cooperation with many other agencies, obtains a large amount of data pertaining to the water resources of North Dakota each water year. These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State. To make these data readily available to interested parties outside the U.S. Geological Survey, the data will be published annually in this report series entitled "Water Resources Data - North Dakota."

This report includes records on ground water in North Dakota. Specifically, it contains water-level records for 136 wells and water-quality records for 97 wells. Locations of the ground-water wells are shown in figures 1 and 2. This report also includes ground-water levels for wells that were monitored as part of a cooperative study with the U.S. Fish and Wildlife Service during water year 2004. Additional ground-water information for North Dakota is contained in the files, data bases, and other published reports of the U.S. Geological Survey.

This series of annual reports for North Dakota began with the 1961 water year report that contained only data relating to the quantities of surface water. For the 1964 water year, a similar report was introduced that contained only data relating to water quality. For the 1975-95 water years, the report format was changed to present, in one volume, data on quantities of surface water, quality of surface and ground water, and ground-water levels. Beginning with the 1996 water year, ground-water levels and ground-water quality data will be published in a separate volume for North Dakota.

Prior to introduction of this series and for several water years concurrent with it, water resources data for North Dakota were published in U.S. Geological Survey Water-Supply Papers. Data on stream discharge and stage and on lake or reservoir contents and stage, through September 1960, were published annually under the title "Surface-Water Supply of the United States, Parts 5 and 6." For the 1961-70 water years, the data were published in two 5-year reports. Data on chemical quality, temperature, and suspended sediment for the 1941-70 water years were published annually under the title "Quality of Surface Waters of the United States," and ground-water levels for the 1935-74 water years were published under the title "Ground-Water Levels in the United States." The above mentioned Water-Supply Papers are in libraries of the principal cities of the United States and may be purchased from U.S. Geological Survey, Branch of Information Services, Box 25286, Denver, CO 80225-0286.

Publications similar to this report are published annually by the U.S. Geological Survey for all States. These official U.S. Geological Survey reports have an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For

example, this volume is identified as "U.S. Geological Survey Water-Data Report ND-04-2." For archiving and general distribution, the reports for the 1971-74 water years also are identified as water-data reports. These water-data reports are for sale in paper copy or may be purchased on microfiche from the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including the current prices, for ordering specific reports may be obtained from the District Chief at the address given on the back of the title page or by telephoning (701) 250-7406.

COOPERATION

Organizations that assisted in the collection of ground-water data in this report through joint funding agreements with the U.S. Geological Survey are:

North Dakota State Water Commission
Spirit Lake Tribe
U.S. Forest Service

SUMMARY OF HYDROLOGIC CONDITIONS

The geography and geology of North Dakota are sufficiently complex that a summary of ground-water conditions over the entire State is difficult. Descriptions of conditions in specific aquifers apply only to that geographic area and cannot be considered to be the same for other geographic areas.

Ground-water levels fluctuate in response to a variety of stresses and changes in stress. Short- and long-term climatic conditions can lead to changes in natural recharge and discharge. Superimposed on the natural fluctuations in water levels are changes caused by increasing or decreasing ground-water withdrawals and, in some areas, changes caused by recharge from surface irrigation.

EXPLANATION OF GROUND-WATER-LEVEL RECORDS

The ground-water records published in this report are for the 2004 water year that began October 1, 2003, and ended September 30, 2004. A calendar of the water year is provided on the inside of the front cover. The records contain ground-water level and ground-water quality data. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Site Identification Numbers

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a local number that is produced for local needs.

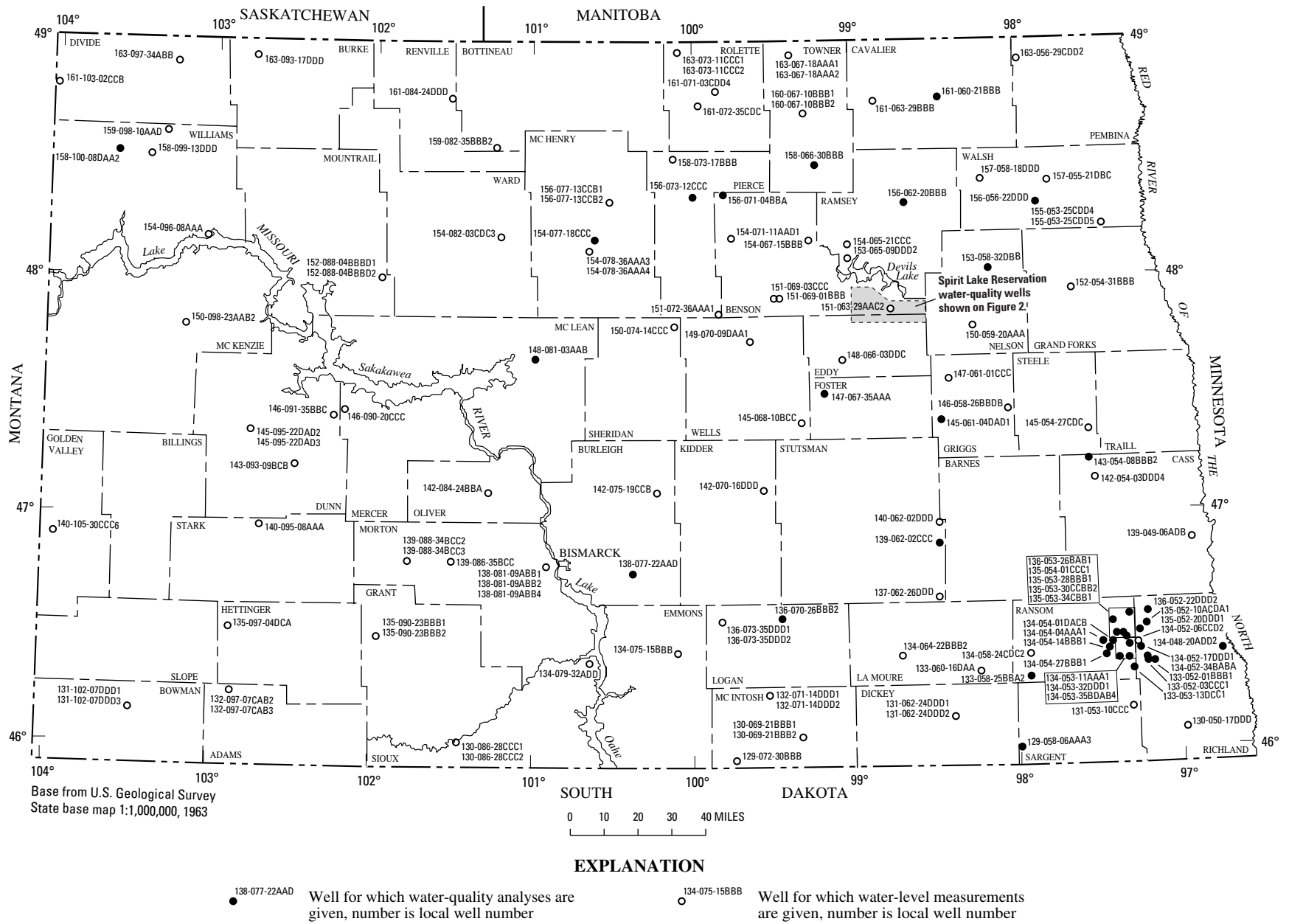


Figure 1. Locations of ground-water observation wells.

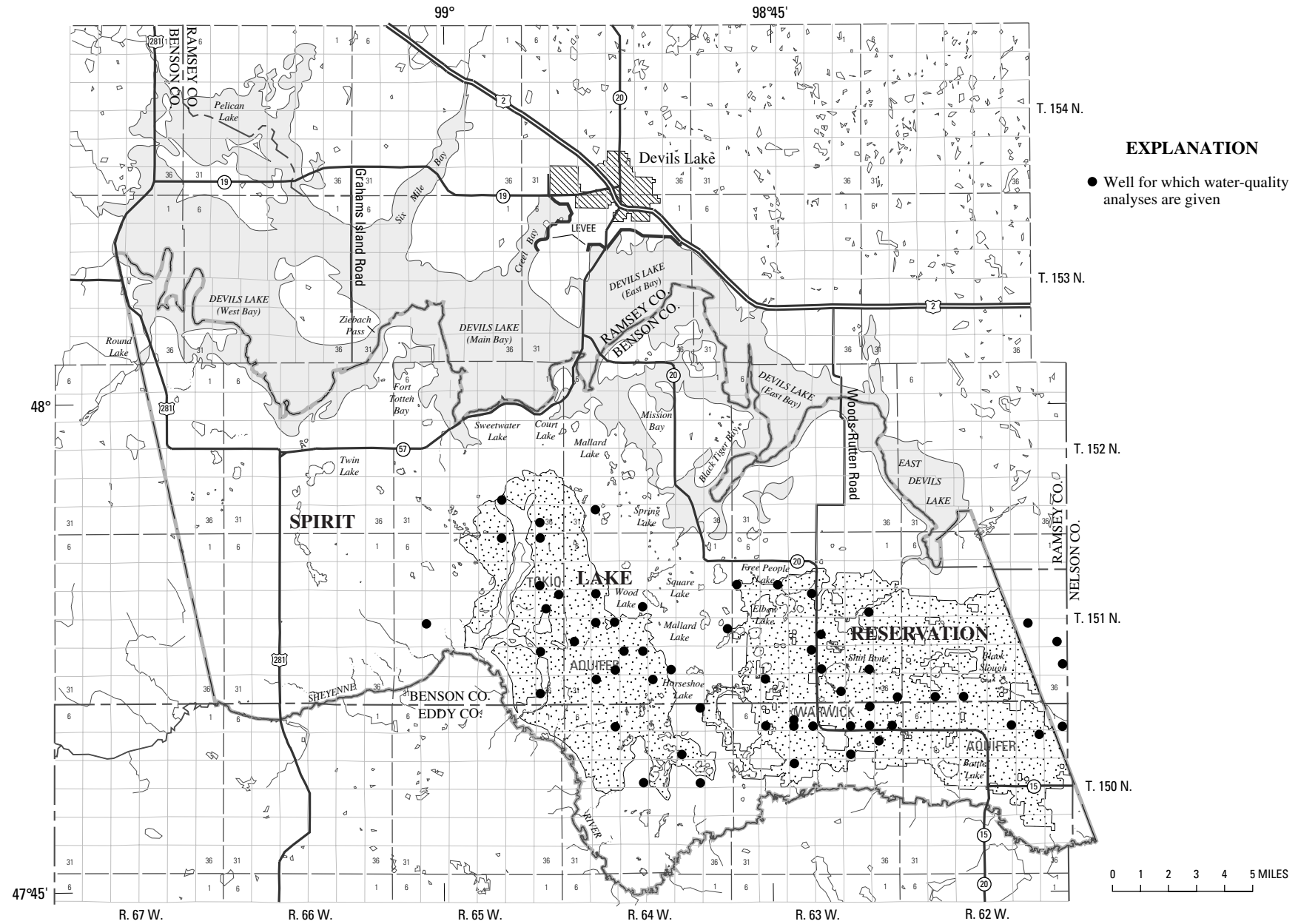


Figure 2. Locations of ground-water observation wells on the Spirit Lake Reservation.

The USGS well and miscellaneous site-numbering system is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, and the next 7 digits denote degrees, minutes, and seconds of longitude; the last 2 digits are a sequential number for wells within a 1-second grid. In the event that the latitude-longitude coordinates for a well and miscellaneous site are the same, a sequential number such as "01," "02," and so forth, would be assigned as one would for wells (see fig. 3). The 8-digit, downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken. During water year 2003, the true latitude and longitude listed in the LOCATION paragraph was changed slightly at some locations. The change was made based on new information and does not signify a change in the gage location unless otherwise noted.

In addition to the well number that is based on the latitude and longitude for each well, another well number may be provided which in many states is based on the Public Land Survey System, a set of rectangular surveys that is used to identify land parcels. This well number is familiar to the water users of North Dakota and shows the location of the well by quadrant, township, range section, and position within the section (see fig. 4). The capital letter at the beginning of the location number indicates the quadrant in which the well is located. Four quadrants are formed by the intersection of the base line and the principal meridian—A indicates the northeast quadrant, B the northwest, C the southwest, and D the southeast. The first numeral indicates the township, the second the range, and the third the section in which the well is located. Lowercase letters following the section number locate the well within the section. The first letter denotes the quarter section, the second the quarter-quarter section, and the third the quarter-quarter-quarter section. The letters are assigned within the section in a counter-clockwise direction beginning with (a) in the northeast quarter of the section. Letters are assigned within each quarter section and quarter-quarter section in the same manner. Where two or more wells are located within the smallest subdivision, consecutive numbers beginning with 1 are added to the letters in the order in which the wells are inventoried. For example, site 138-077-22AAD is in the SE¹/₄NE¹/₄NE¹/₄ sec.22, T.138 N., R.077 W. Consecutive terminal numbers are added if more than one site is recorded within a 10-acre tract.

Data Collection and Computation

Measurements are made in many types of wells, under varying conditions of access and at different temperatures; hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Most methods for collecting and analyzing water samples are described in the Techniques of Water-Resources Investigations of the United States Geological Survey (TWRIs). In addition, TWRI Book 1, Chapter D2, describes guidelines for the collection and field analysis of ground-water samples for selected unstable constituents. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRIs Book 1, Chapter D2; Book 3, Chapters A1, A3, and A4; and Book 9, Chapters A1 through A9. The TWRI publications may be accessed from <http://water.usgs.gov/pubs/twri/>. The values in this report represent water-quality conditions at the time of sampling, as much as possible, and that are consistent with available sampling techniques and methods of analysis. These methods are consistent with ASTM standards and generally follow ISO standards. Trained personnel collected all samples. The wells sampled were pumped long enough to ensure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

Water-level measurements in this report are given in feet with reference to land-surface datum (lsd). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the elevation of the land-surface datum above sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (EOM).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth of water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

Data Presentation

Water-level data are presented in alphabetical order by county. The primary identification number for a given well is the 15-digit site identification number that appears in the upper left corner of the table. The secondary identification number is the local or county well number. Well locations are shown in figures 1 and 2; each well is identified on the map by its local well or county well number.

Each well record consists of three parts: the well description, the data table of water levels observed during the water year, and, for most wells, a hydrograph following the data table. Well descriptions are presented in the headings preceding the tabular data.

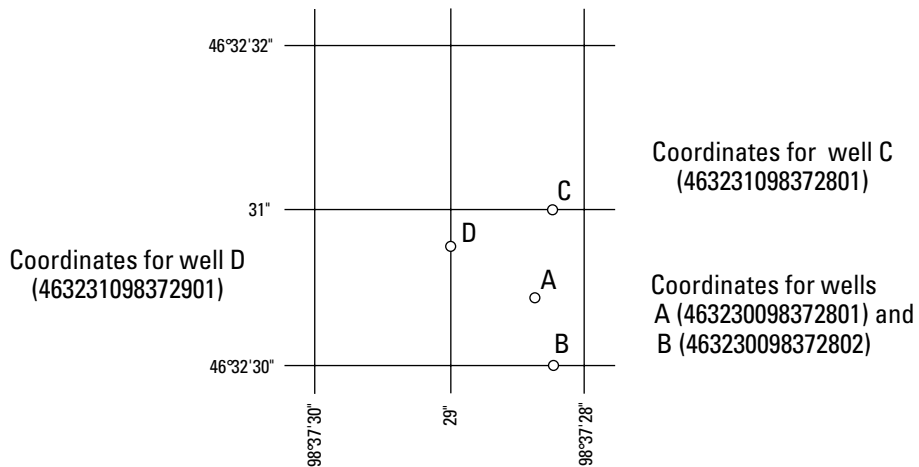


Figure 3. System for numbering wells (latitude and longitude).

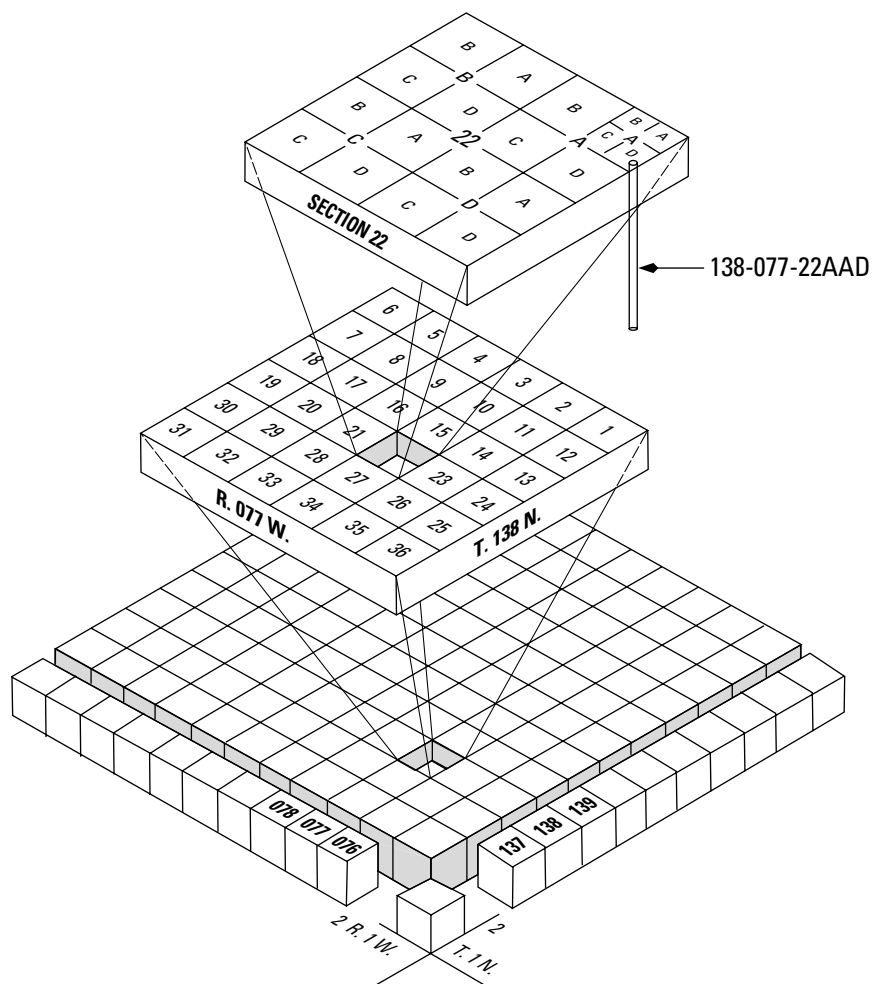


Figure 4. System for numbering wells (township and range).

The following comments clarify information presented in these various headings.

LOCATION.—This paragraph follows the well-identification number and reports the hydrologic-unit number and a geographic point of reference. Latitudes and longitudes used in this report are reported as North American Datum of 1927 unless otherwise specified.

AQUIFER.—This entry designates by name and geologic age the aquifer that the well taps.

WELL CHARACTERISTICS.—This entry describes the well in terms of depth, casing diameter and depth or screened interval, method of construction, use, and changes since construction.

INSTRUMENTATION.—This paragraph provides information on both the frequency of measurement and the collection method used, allowing the user to better evaluate the reported water-level extremes by knowing whether they are based on continuous, monthly, or some other frequency of measurement.

DATUM.—This entry describes both the measuring point and the land-surface elevation at the well. The altitude of the land-surface datum is described in feet above the altitude datum; it is reported with a precision depending on the method of determination. The measuring point is described physically (such as top of casing, top of instrument shelf, and so forth), and in relation to land surface (such as 1.3 ft above land-surface datum). The elevation of the land-surface datum is described in feet above National Geodetic Vertical Datum of 1929 (NGVD 29); it is reported with a precision depending on the method of determination.

REMARKS.—This entry describes factors that may influence the water level in a well or the measurement of the water level, when various methods of measurement were begun, and the network (climatic, terrane, local, or areal effects) or the special project to which the well belongs.

PERIOD OF RECORD.—This entry indicates the time period for which records are published for the well, the month and year at the start of publication of water-level records by the USGS, and the words “to current year” if the records are to be continued into the following year. Time periods for which water-level records are available, but are not published by the USGS, may be noted.

EXTREMES FOR PERIOD OF RECORD.—This entry contains the highest and lowest instantaneously recorded or measured water levels of the period of published record, with respect to land-surface datum or sea level, and the dates of occurrence.

Water-Level Tables

A table of water levels follows the well description for each well. Water-level measurements in this report are given in feet with reference to either sea level or land-surface datum (lsl). Missing records are indicated by dashes in place of the water-level value.

For wells not equipped with recorders, water-level measurements were obtained periodically by steel or electric

tape. Tables of periodic water-level measurements in these wells show the date of measurement and the measured water-level value.

Hydrographs

Hydrographs are a graphic display of water-level fluctuations over a period of time. In this report, current water year and, when appropriate, period-of-record hydrographs are shown. Hydrographs that display periodic water-level measurements show points that may be connected with a dashed line from one measurement to the next. Hydrographs that display recorder data show a solid line representing the mean water level recorded for each day. Missing data are indicated by a blank space or break in a hydrograph. Missing data may occur as a result of recorder malfunctions, battery failures, or mechanical problems related to the response of the recorder’s float mechanism to water-level fluctuations in a well.

GROUND-WATER-QUALITY DATA

Data Collection and Computation

The ground-water-quality data in this report were obtained as a part of special studies in specific areas. Consequently, a number of chemical analyses are presented for some wells within a county but not for others. As a result, the records for this year, by themselves, do not provide a balanced view of ground-water quality Statewide.

Most of the methods used for collecting and analyzing water samples are described in the TWRI, which may be accessed from <http://water.usgs.gov/pubs/twri/>. Procedures for on-site measurements and for collecting, treating, and shipping samples are given in TWRI, Book 1, Chapter D2; Book 5, Chapters A1, A3, and A4; and Book 9, Chapters A1-A6. Also, detailed information on collecting, treating, and shipping samples may be obtained from the USGS District office (see address shown on back of title page in this report).

Laboratory Measurements

Analysis for sulfide and measurement of alkalinity, pH, water temperature, specific conductance, and dissolved oxygen are performed on site. All other sample analyses are performed at the USGS laboratory in Lakewood, Colorado, unless otherwise noted. Methods used by the USGS laboratory are given in TWRI, Book 1, Chapter D2 and Book 5, Chapters A1, A3, and A4, which may be accessed from <http://water.usgs.gov/pubs/twri/>.

Remark Codes

The following remark codes may appear with the water-quality data in this section:

Printed Output	Remark
E	Value is estimated.
<	Actual value is known to be less than the value shown.
M	Presence of material verified, but not quantified.

Blank Samples

Blank samples are collected and analyzed to ensure that environmental samples have not been contaminated in the overall data-collection process. The blank solution used to develop specific types of blank samples is a solution that is free of the analytes of interest. Any measured value signal in a blank sample for an analyte (a specific component measured in a chemical analysis) that was absent in the blank solution is believed to be due to contamination. Many types of blank samples are possible; each is designed to segregate a different part of the overall data-collection process. The types of blank samples collected in this district are:

Field blank—A blank solution that is subjected to all aspects of sample collection, field processing preservation, transportation, and laboratory handling as an environmental sample.

Trip blank—A blank solution that is put in the same type of bottle used for an environmental sample and kept with the set of sample bottles before and after sample collection.

Equipment blank—A blank solution that is processed through all equipment used for collecting and processing an environmental sample (similar to a field blank but normally done in the more controlled conditions of the office).

Sampler blank—A blank solution that is poured or pumped through the same field sampler used for collecting an environmental sample.

Filter blank—A blank solution that is filtered in the same manner and through the same filter apparatus used for an environmental sample.

Splitter blank—A blank solution that is mixed and separated using a field splitter in the same manner and through the same apparatus used for an environmental sample.

Preservation blank—A blank solution that is treated with the sampler preservatives used for an environmental sample.

Reference Samples

Reference material is a solution or material prepared by a laboratory. The reference material composition is certified for one or more properties so that it can be used to assess a measurement method. Samples of reference material are submitted for analysis to ensure that an analytical method is accurate for the known properties of the reference material.

Generally, the selected reference material properties are similar to the environmental sample properties.

Replicate Samples

Replicate samples are a set of environmental samples collected in a manner such that the samples are thought to be essentially identical in composition. Replicate is the general case for which a duplicate is the special case consisting of two samples. Replicate samples are collected and analyzed to establish the amount of variability in the data contributed by some part of the collection and analytical process. Many types of replicate samples are possible, each of which may yield slightly different results in a dynamic hydrologic setting, such as a flowing stream. The types of replicate samples collected in this district are:

Concurrent samples—A type of replicate sample in which the samples are collected simultaneously with two or more samplers or by using one sampler and alternating the collection of samples into two or more compositing containers.

Sequential samples—A type of replicate sample in which the samples are collected one after the other, typically over a short time.

Split sample—A type of replicate sample in which a sample is split into subsamples, each subsample contemporaneous in time and space.

Spike Samples

Spike samples are samples to which known quantities of a solution with one or more well-established analyte concentrations have been added. These samples are analyzed to determine the extent of matrix interference or degradation on the analyte concentration during sample processing and analysis.

ACCESS TO USGS WATER DATA

The USGS provides near real-time stage and discharge data for many of the gaging stations equipped with the necessary telemetry and historic daily-mean and peak-flow discharge data for most current or discontinued gaging stations through the World Wide Web (WWW). These data may be accessed from <http://water.usgs.gov>.

DEFINITION OF TERMS

Terms related to water-quality, and other hydrologic data, as used in this report, are defined below. See also table for converting English units to International System (SI) Units on the inside of the back cover.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Dissolved refers to that material in a representative water sample which passes through a 0.45 micrometer membrane

filter. This is a convenient operational definition used by Federal agencies that collect water data. Determination of "dissolved" constituents are made on subsamples of the filtrate.

Dissolved-solids concentration of water is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination of dissolved solids, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. Therefore, in the mathematical calculation of dissolved-solids concentration, the bicarbonate value, in milligrams per liter, is multiplied by 0.493 to reflect the change.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is computed as the sum of equivalents of polyvalent cations and is expressed as the equivalent concentration of calcium carbonate (CaCO_3).

Land-surface datum is a datum plane that is approximately at land surface at each ground-water observation well.

Micrograms per liter (UG/L, $\mu\text{g/L}$) is a unit expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Microsiemens per centimeter at 25 degrees Celsius (US/CM, $\mu\text{S/cm}$) is a unit for reporting specific electrical conductance.

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represents the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L and is based on the mass of dry sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (NGVD of 1929) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

Open or screened interval is the length of unscreened opening or of well screen through which water enters a well, in feet below land surface.

Parameter Code is a 5-digit number used in the U.S. Geological Survey's data system, National Water Information System (NWIS), to uniquely identify a specific constituent. The codes used in NWIS are the same as those used in the U.S.

Environmental Protection Agency's data system, STORET. The Environmental Protection Agency assigns and approves all requests for new codes.

pH indicates the degree of acidity or alkalinity of water and is expressed in pH units. The pH value of a solution is the negative logarithm of the concentration of hydrogen ions, in moles per liter. A pH of 7.0 indicates that the water is neither acid nor alkaline. pH readings progressively less than 7.0 denote increasing acidity and those progressively greater than 7.0 denote increasingly alkalinity. The pH of most natural surface waters ranges between 6 and 8.

Sea level refers to the National Geodetic Vertical Datum of 1929--a geodetic datum derived from a general adjustment of the first-order level nets of the United States and Canada, formerly called Sea Level Datum of 1929.

Sodium-adsorption-ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions within soil and is an index of sodium or alkali hazard to the soil. Waters range in respect to sodium hazard from those which can be used for irrigation on almost all soils to those which are generally unsatisfactory for irrigation.

Solute is any substance that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in microsiemens per centimeter at 25 degrees Celsius. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in microsiemens). This relation is not constant from well to well, and it may vary in the same source with changes in the composition of the water.

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sediment mixture and that the analytical method determined all of the constituent in the sample.)

Water year in Geological Survey reports dealing with surface- ground-water supply is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 2004, is called "water year 2004."

Water-table aquifer is an unconfined aquifer within which is found the water table.

Well is an excavation (pit, hole, tunnel), generally cylindrical in form and often walled in, drilled, dug, driven, bored, or jetted into the ground to such a depth as to penetrate water-yielding geologic material and allow the water to flow or to be pumped to the surface.

GROUND-WATER LEVELS

NETWORK SITES

ADAMS COUNTY

461614102515202. Local number, 132-097-07CAB2.

LOCATION.--Lat 46°16'14", long 102°51'52", Hydrologic Unit 10130205. Owner: North Dakota State Water Commission.

AQUIFER.--Ludlow-Hell Creek.

WELL CHARACTERISTICS.--Drilled observation well, depth 590 ft, cased with 578 ft of 2-in diameter steel pipe.

INSTRUMENTATION.--Measured using a steel tape.

DATUM.--Altitude of land-surface datum is 2,665 ft. Measuring point: Top of casing 3.60 ft above land-surface datum.

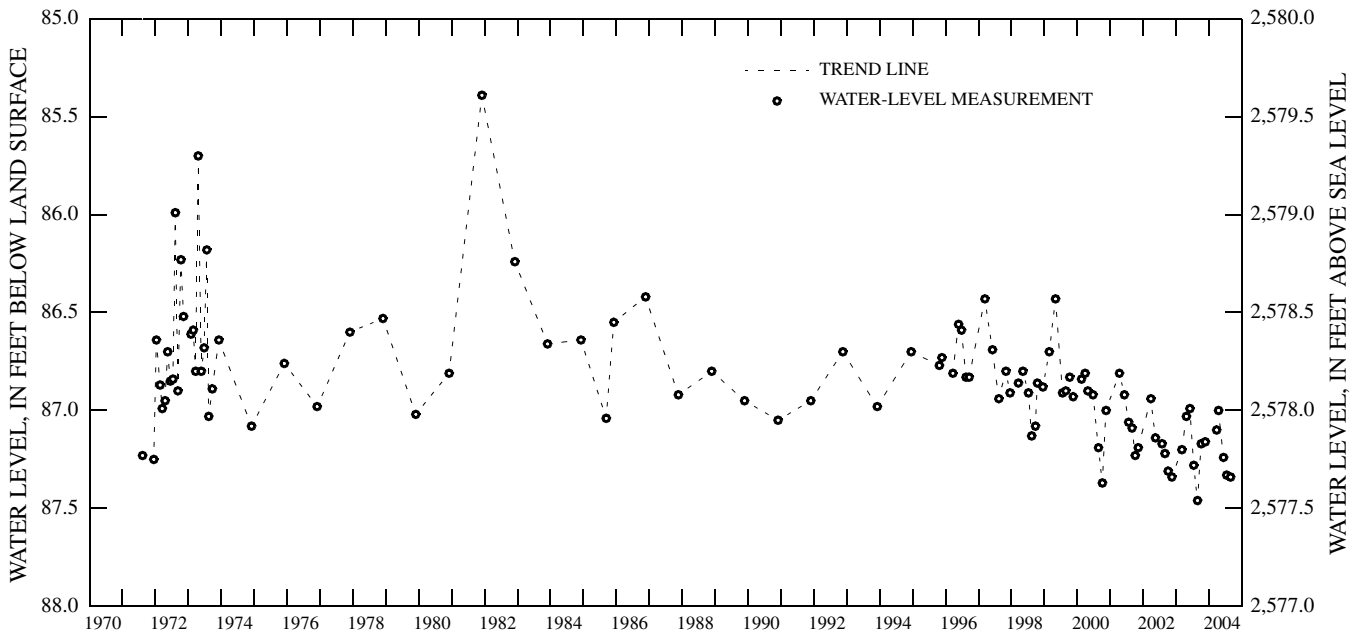
PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 85.39 ft below land-surface datum, December 1, 1981; lowest water level, 87.46 ft below land-surface datum, August 26, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 07	87.17	MAR 25	87.10	APR 15	87.00	JUN 09	87.24	JUL 14	87.33	AUG 26	87.34
NOV 20	87.16										
WATER YEAR 2004		HIGHEST	87.00	APR 15, 2004	LOWEST	87.34	AUG 26, 2004				

132-097-07CAB2



GROUND-WATER LEVELS

NETWORK SITES--Continued

ADAMS COUNTY--Continued

461614102515203. Local number, 132-097-07CAB3.

LOCATION.--Lat 46°16'14", long 102°51'52", Hydrologic Unit 10130205. Owner: North Dakota State Water Commission.

AQUIFER.--Ludlow.

WELL CHARACTERISTICS.--Drilled observation well, depth 229 ft, cased with 217 ft of 1.25-in diameter plastic pipe.

INSTRUMENTATION.--Measured using a steel tape.

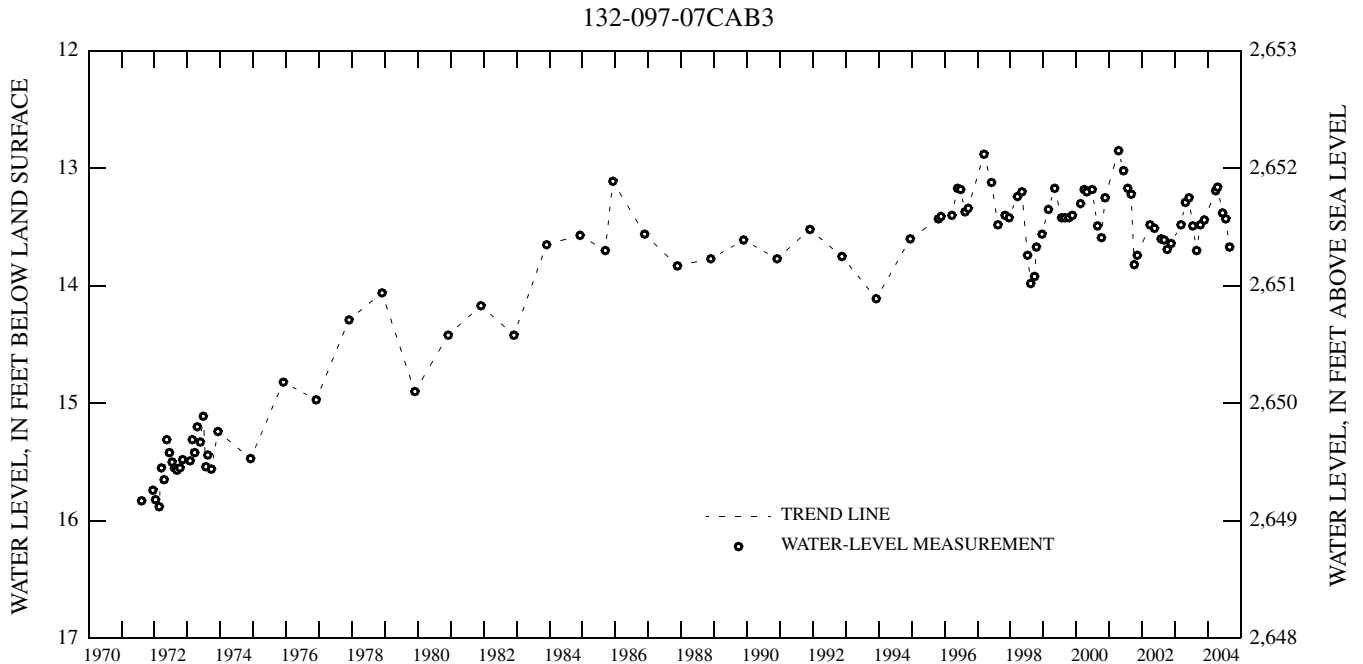
DATUM.--Altitude of land-surface datum is 2,665 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 12.85 ft below land-surface datum, April 12, 2001; lowest water level, 16.00 ft below land-surface datum, August 1, 1971.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 07	13.48	MAR 25	13.19	APR 15	13.16	JUN 09	13.38	JUL 14	13.43	AUG 26	13.67
NOV 20	13.44										
WATER YEAR 2004		HIGHEST	13.16	APR 15, 2004	LOWEST	13.67	AUG 26, 2004				



GROUND-WATER LEVELS

NETWORK SITES--Continued

BENSON COUNTY

475224098443202. Local number, 151-063-29AAC2.

LOCATION.--Lat 47°52'24", long 98°44'32", Hydrologic Unit 09020201. Owner: U.S. Geological Survey.

AQUIFER.--Warwick.

WELL CHARACTERISTICS.--Drilled observation well, depth 67 ft, cased with 67 ft of 6-in diameter steel pipe, slotted 57 to 67 ft below land-surface datum.

INSTRUMENTATION.--Water-level recorder June 1974 to current year. Only intermittent low and EOM water levels, obtained from strip-chart recorders, are available from the District office for August 1951 to June 1974. From June 1974 to current year, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,479.6 ft. Measuring point: Top of casing 0.50 ft above land-surface datum.

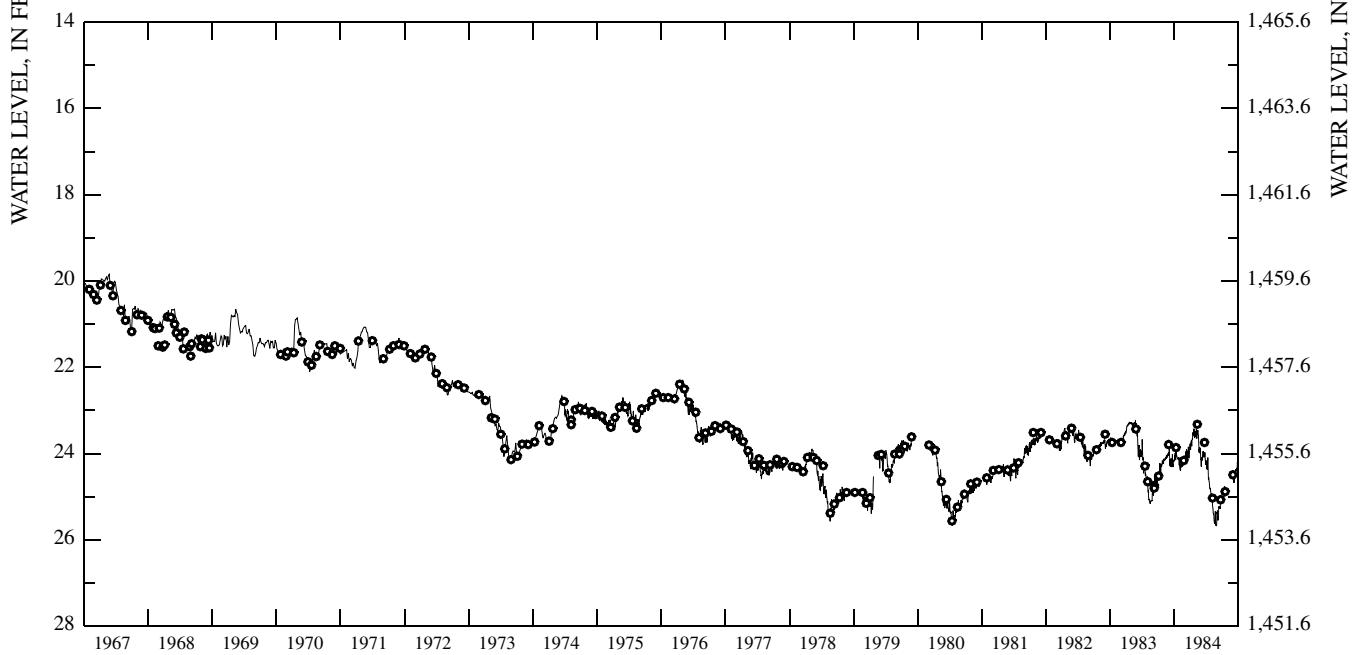
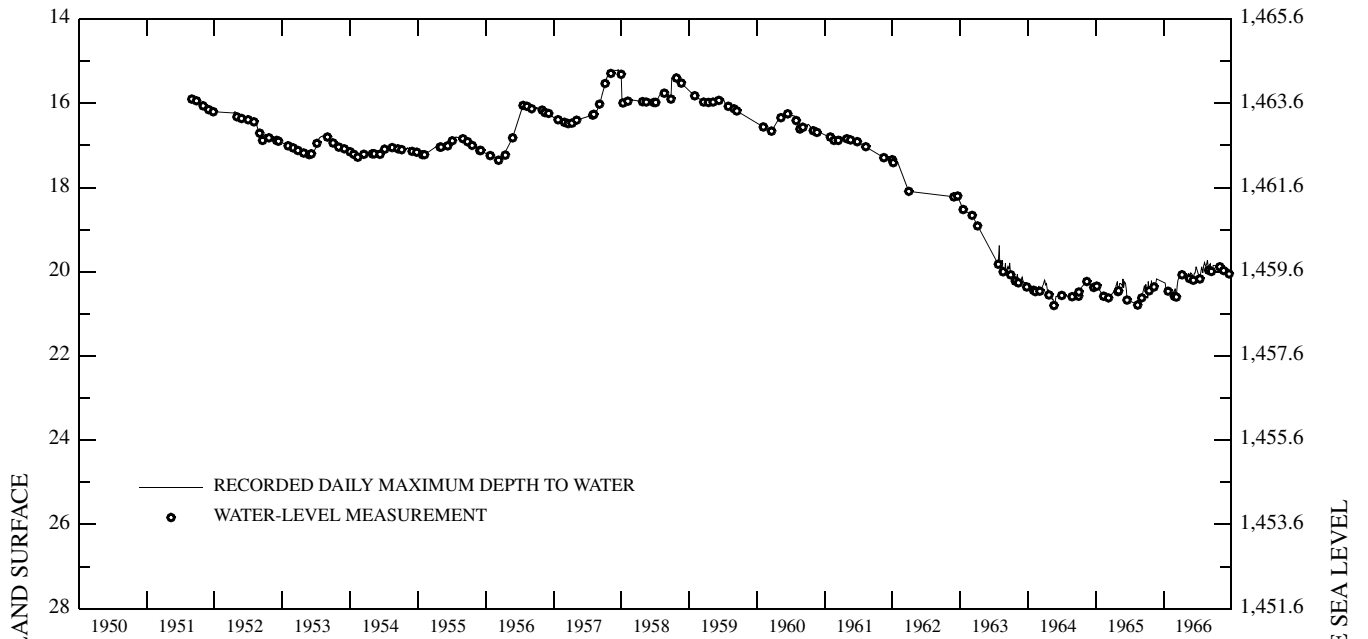
PERIOD OF RECORD.--August 1951 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 15.29 ft below land-surface datum, November 5, 1957; lowest water level, 27.03 ft below land-surface datum, November 11, 1991.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

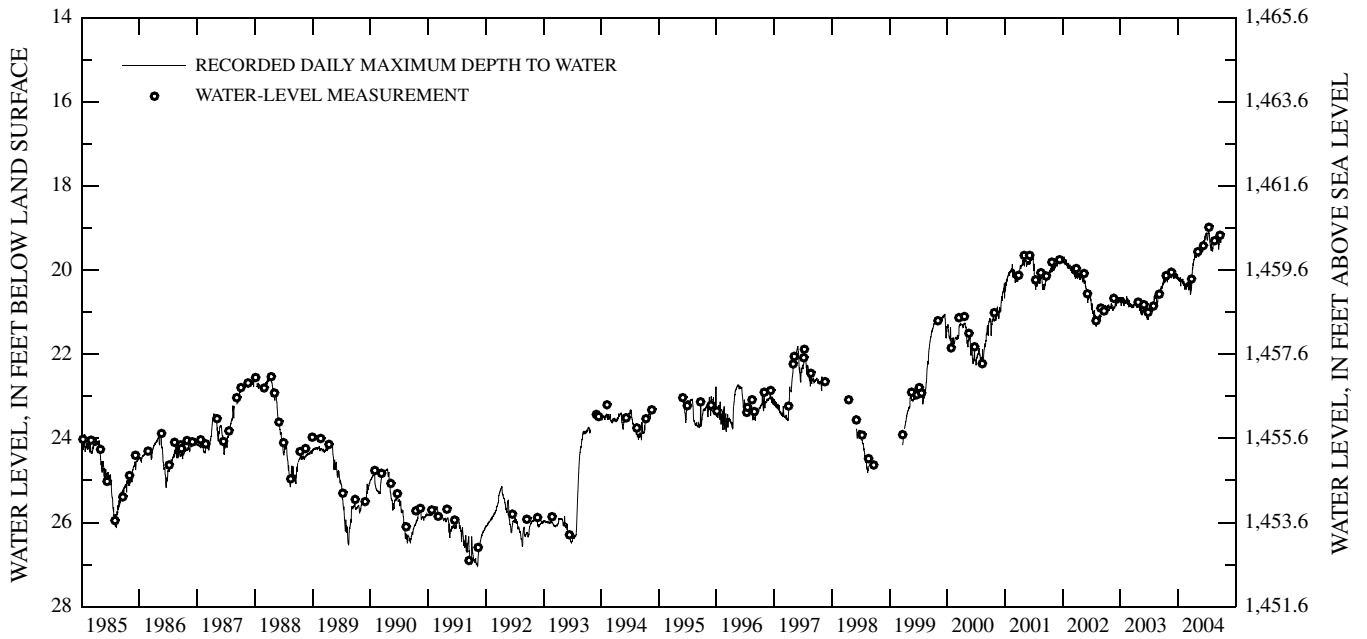
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.22	20.16	20.13	20.18	20.33	20.37	19.93	19.59	19.55	19.24	19.52	19.26
2	20.28	20.13	20.20	20.22	20.31	20.38	19.98	19.60	19.53	19.25	19.46	19.29
3	20.27	20.18	20.06	20.23	20.34	20.38	19.97	19.58	19.56	19.27	19.55	19.27
4	20.25	20.07	20.14	20.22	20.36	20.28	19.84	19.56	19.56	19.29	19.53	19.32
5	20.31	20.18	20.21	20.20	20.37	20.37	19.86	19.52	19.47	19.27	19.54	19.19
6	20.27	20.18	20.03	20.18	20.26	20.34	19.90	19.60	19.44	19.27	19.55	19.22
7	20.22	20.12	20.12	20.25	20.35	20.36	19.80	19.62	19.48	19.12	19.48	19.31
8	20.25	20.10	20.12	20.25	20.31	20.44	19.80	19.65	19.45	19.14	19.48	19.31
9	20.28	20.12	20.18	20.25	20.35	20.48	19.78	19.55	19.45	19.07	19.39	19.20
10	20.23	20.05	20.12	20.23	20.38	20.31	19.77	19.69	19.36	19.07	19.40	19.30
11	20.29	20.09	20.18	20.20	20.46	20.39	19.73	19.63	19.30	19.10	19.27	19.25
12	20.24	20.18	20.07	20.25	20.45	20.38	19.76	19.56	19.42	19.12	19.31	19.27
13	20.22	20.11	20.10	20.28	20.39	20.31	19.75	19.57	19.29	19.13	19.27	19.47
14	20.22	20.08	20.08	20.17	20.42	20.39	19.72	19.57	19.35	19.10	19.30	19.51
15	20.22	20.11	20.10	20.22	20.43	20.43	19.65	19.53	19.32	19.13	19.24	19.43
16	20.20	20.00	20.13	20.22	20.40	20.30	19.70	19.53	19.31	19.20	19.24	19.39
17	20.24	20.09	20.19	20.36	20.45	20.38	19.69	19.54	19.25	19.18	19.24	19.39
18	20.23	20.10	20.19	20.38	20.35	20.58	19.69	19.55	19.26	19.22	19.29	19.34
19	20.17	20.03	20.18	20.21	20.33	20.43	19.65	19.55	19.29	19.31	19.21	19.30
20	20.22	20.18	20.07	20.25	20.31	20.56	19.61	19.53	19.18	19.34	19.22	19.31
21	20.18	20.18	20.16	20.28	20.41	20.48	19.70	19.52	19.24	19.35	19.19	19.29
22	20.17	20.11	20.13	20.22	20.46	20.48	19.66	19.43	19.16	19.43	19.20	19.31
23	20.24	20.14	20.19	20.23	20.43	20.42	19.65	19.50	19.16	19.42	19.22	19.20
24	20.24	20.05	20.21	20.26	20.42	20.40	19.61	19.49	19.15	19.38	19.38	19.28
25	20.29	20.13	20.10	20.21	20.31	20.35	19.55	19.49	19.18	19.46	19.35	19.20
26	20.20	20.12	20.16	20.22	20.31	20.45	19.70	19.49	19.13	19.44	19.28	19.29
27	20.08	20.09	20.19	20.29	20.30	20.34	19.57	19.52	19.17	19.53	19.28	19.35
28	20.13	20.10	20.10	20.29	20.39	20.30	19.54	19.45	19.11	19.53	19.24	19.27
29	20.09	20.06	20.22	20.26	20.37	20.21	19.67	19.50	19.15	19.38	19.25	19.16
30	20.18	20.04	20.22	20.25	---	20.08	19.61	19.43	19.23	19.44	19.37	19.22
31	20.23	---	20.19	20.21	---	20.06	---	19.57	---	19.44	19.36	---

151-063-29AAC2



GROUND-WATER LEVELS
NETWORK SITES--Continued
BENSON COUNTY--Continued

151-063-29AAC2--Continued



NETWORK SITES--Continued

BENSON COUNTY--Continued

475601099264701. Local number, 151-069-01BBB.

LOCATION.--Lat 47°56'01", long 99°26'47", Hydrologic Unit 09020202. Owner: North Dakota State Water Commission.

AQUIFER.--Maddock.

WELL CHARACTERISTICS.--Drilled observation well, depth 180 ft, cased with 97 ft of 1.25-in diameter plastic pipe, screen set 97 to 103 ft below land-surface datum.

INSTRUMENTATION.--Measured using an electric tape.

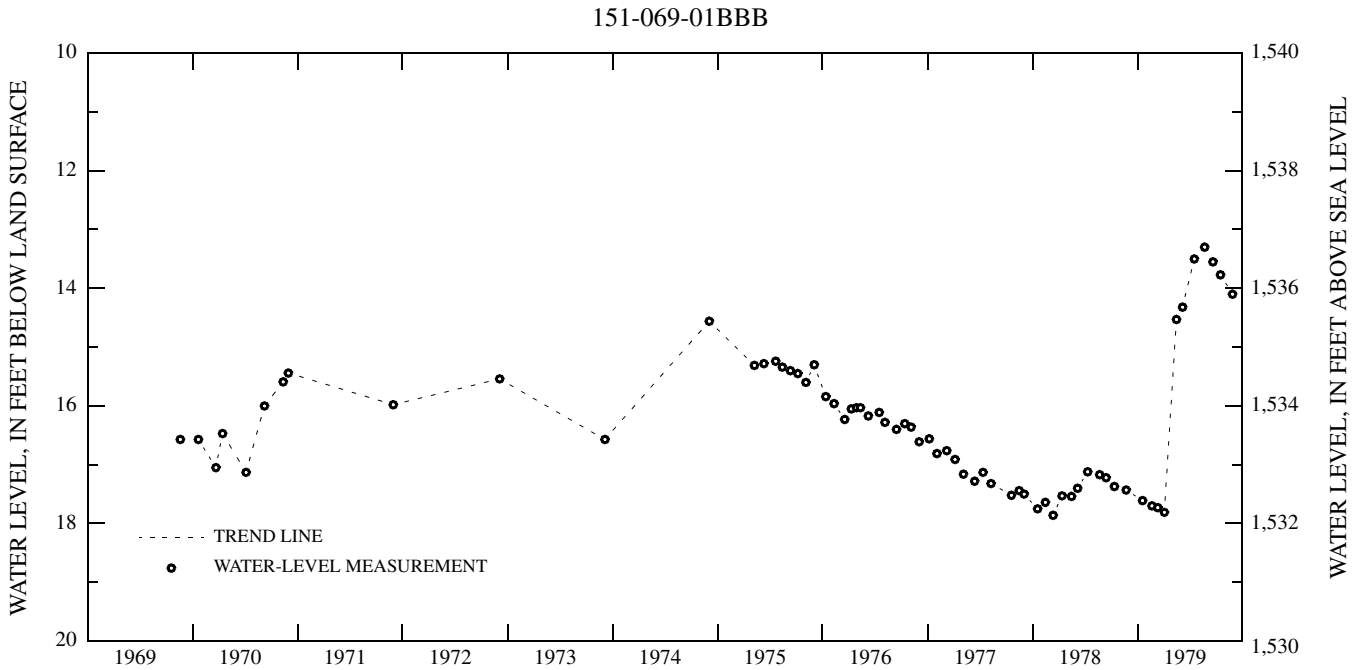
DATUM.--Altitude of land-surface datum is 1,550 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

PERIOD OF RECORD.--November 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 11.31 ft below land-surface datum, July 12, 2001; lowest water level, 18.60 ft below land-surface datum, November 15, 1991.

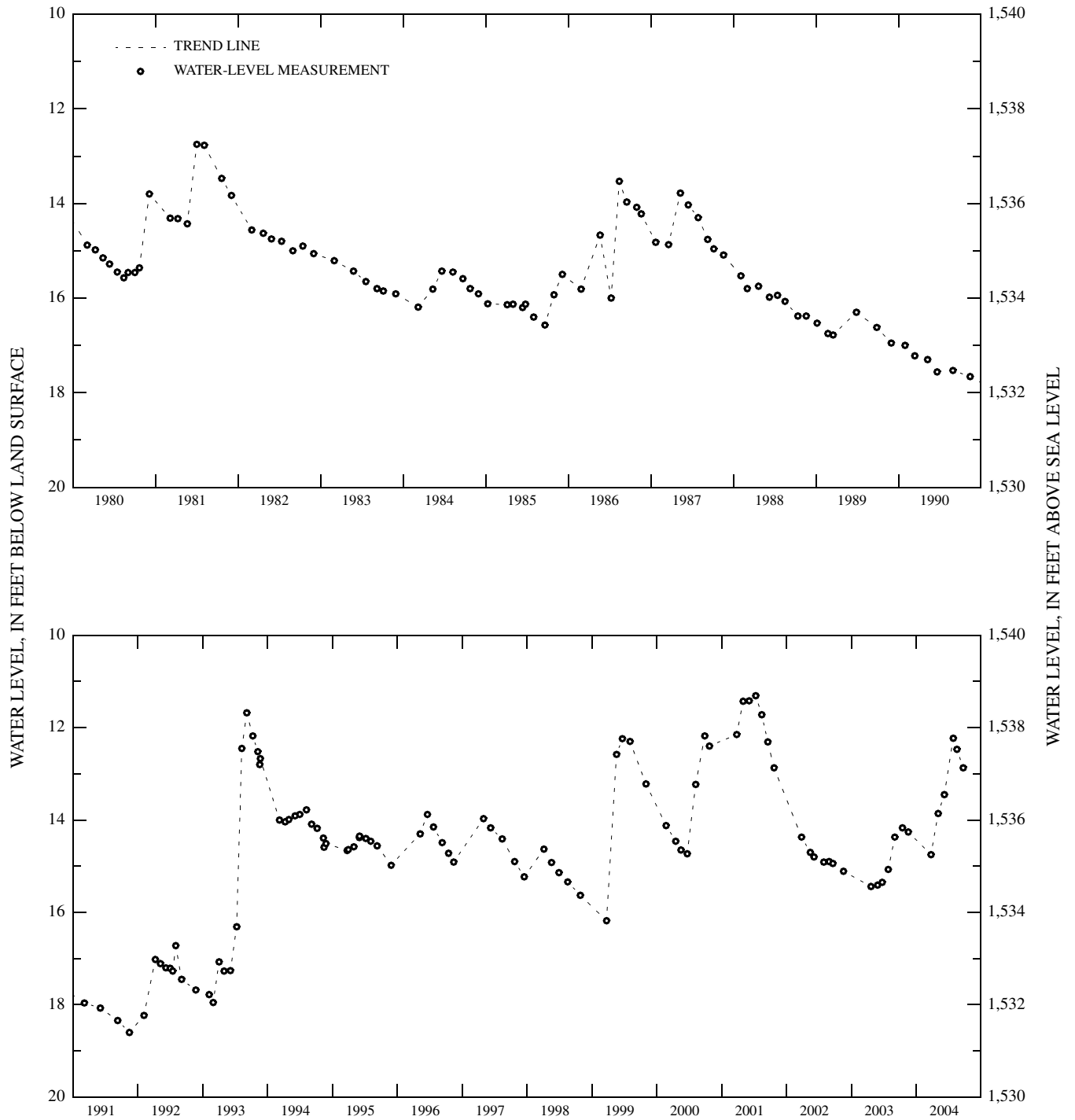
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	14.17	MAR 25	14.75	JUN 08	13.45	JUL 28	12.23	AUG 18	12.47	SEP 22	12.87
NOV 18	14.26	MAY 04	13.86								
WATER YEAR 2004		HIGHEST	12.23	JUL 28, 2004		LOWEST	14.75	MAR 25, 2004			



GROUND-WATER LEVELS
NETWORK SITES--Continued
BENSON COUNTY--Continued

151-069-01BBB--Continued



GROUND-WATER LEVELS

NETWORK SITES--Continued

BENSON COUNTY--Continued

475515099292101. Local number, 151-069-03CCC.

LOCATION.--Lat 47°55'15", long 99°29'21", Hydrologic Unit 09020202. Owner: North Dakota State Water Commission.

AQUIFER.--Maddock.

WELL CHARACTERISTICS.--Drilled observation well, depth 180 ft, cased with 137 ft of 1.25-in diameter plastic pipe, screen set 137 to 143 ft below land-surface datum.

INSTRUMENTATION.--Measured using an electric tape.

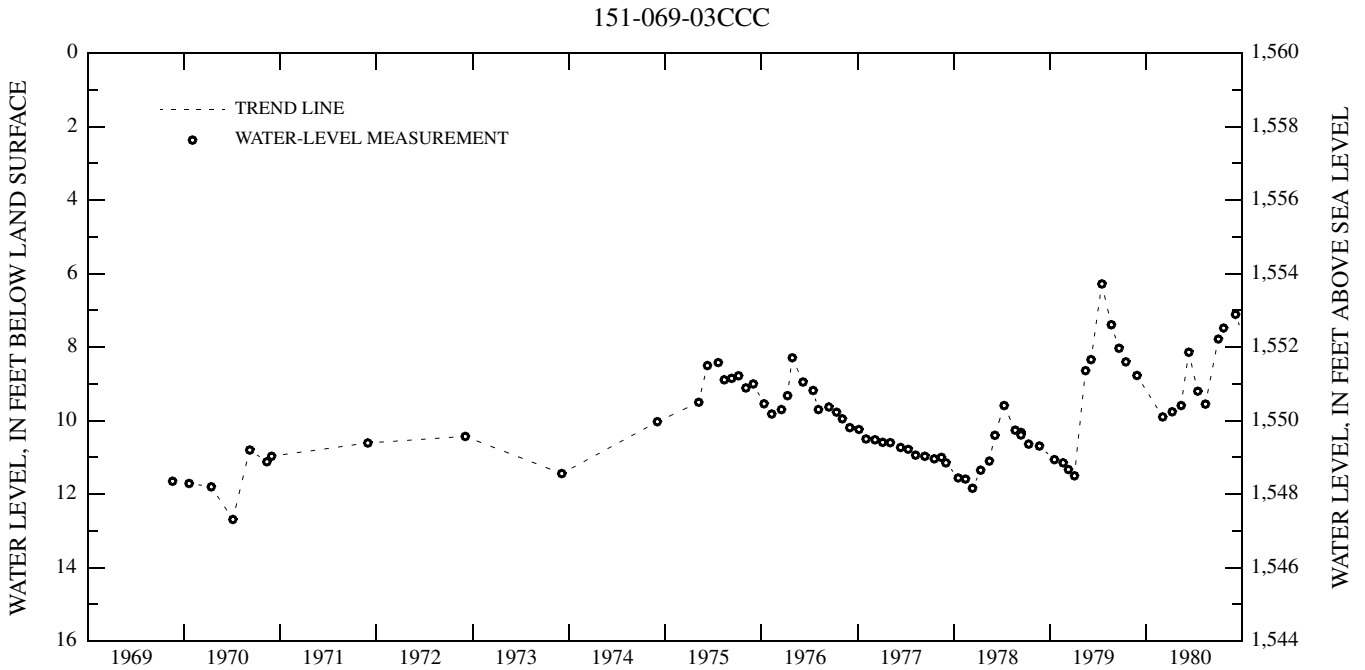
DATUM.--Altitude of land-surface datum is 1,560 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

PERIOD OF RECORD.--November 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.52 ft below land-surface datum, May 2, 2001; lowest water level, 13.16 ft below land-surface datum, March 1, 1993.

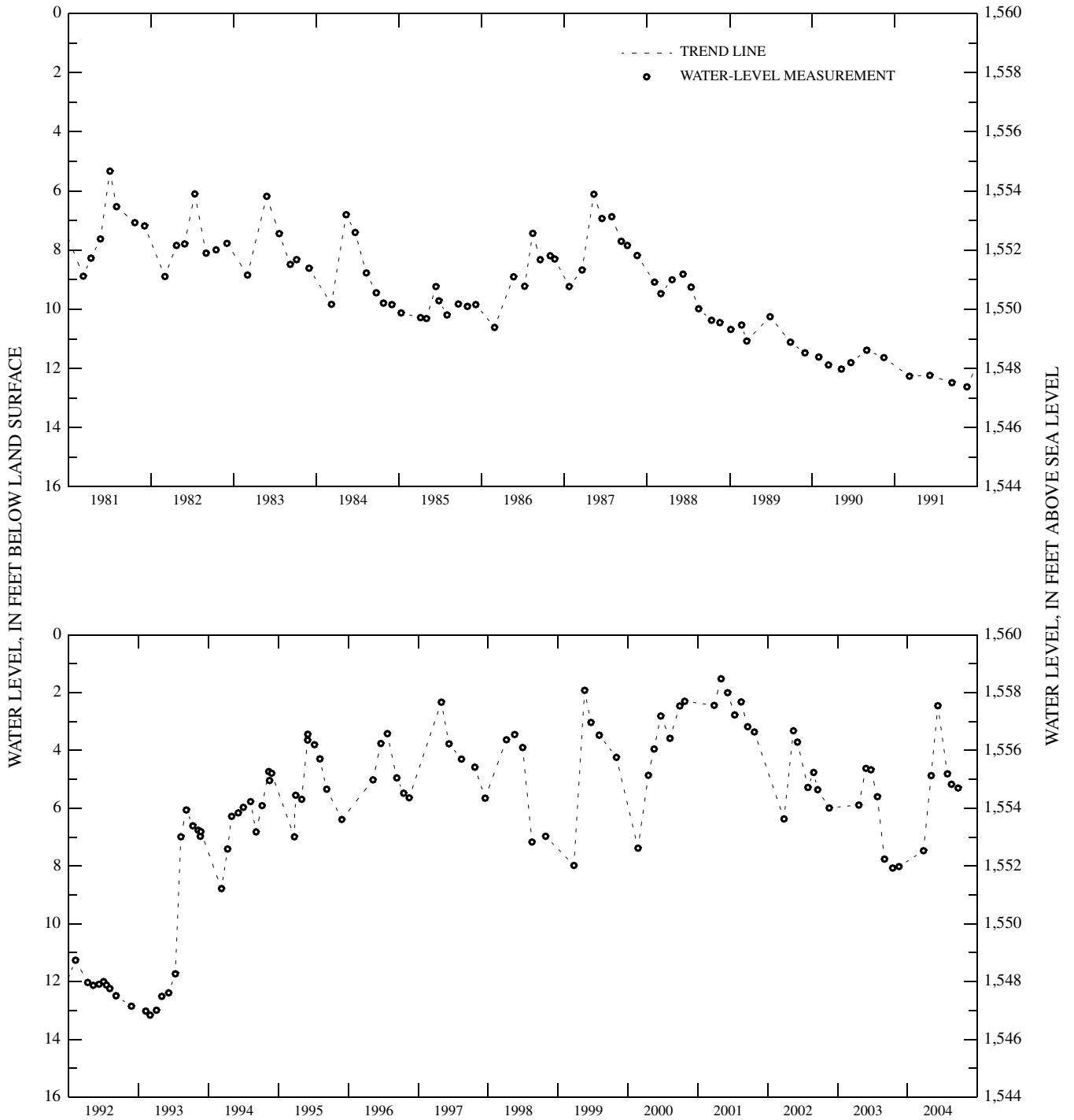
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	8.07	MAR 25	7.47	JUN 08	2.45	JUL 28	4.81	AUG 18	5.17	SEP 22	5.30
NOV 18	8.02	MAY 04	4.87								
WATER YEAR 2004		HIGHEST	2.45	JUN 08, 2004		LOWEST	8.07	OCT 16, 2003			



GROUND-WATER LEVELS
NETWORK SITES--Continued
BENSON COUNTY--Continued

151-069-03CCC--Continued



GROUND-WATER LEVELS

NETWORK SITES--Continued

BENSON COUNTY--Continued

480958099154801. Local number, 154-067-15BBB.

LOCATION.--Lat 48°09'58", long 99°15'48", Hydrologic Unit 09020201. Owner: North Dakota State Water Commission.

AQUIFER.--Spiritwood.

WELL CHARACTERISTICS.--Drilled observation well, depth 180 ft, cased with 147 ft of 1.25-in diameter plastic pipe, screen set 147 to 153 ft below land-surface datum.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,475 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

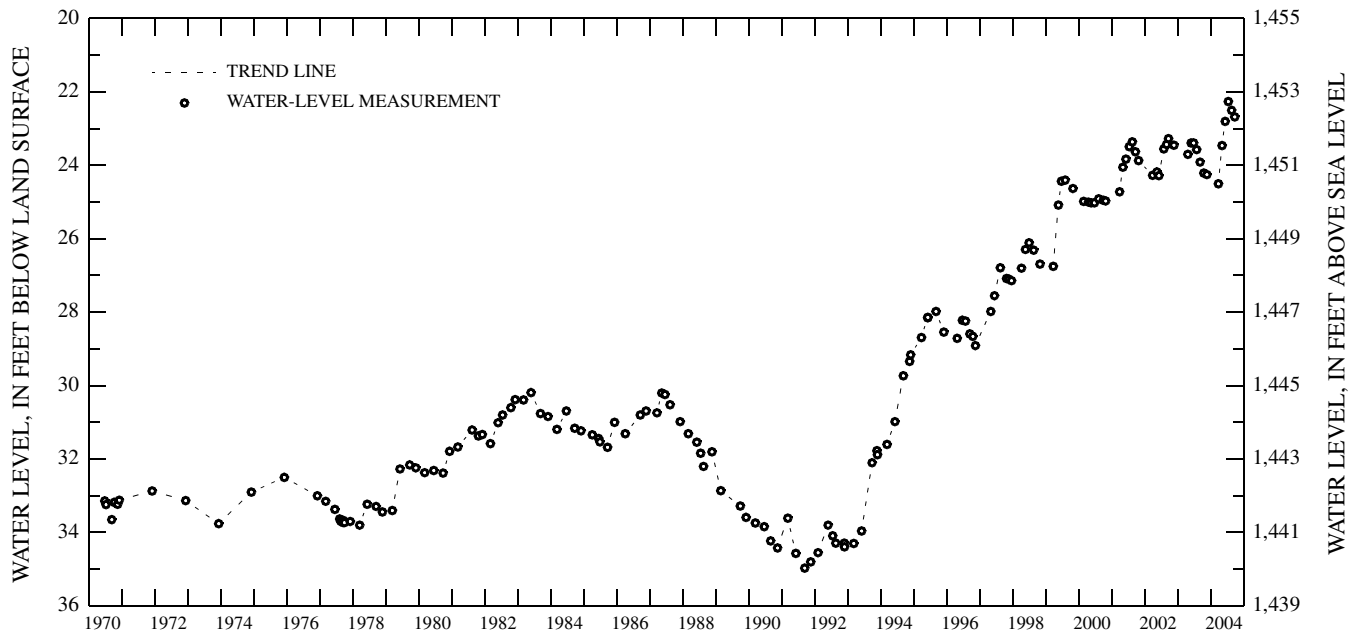
PERIOD OF RECORD.--June 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 22.26 ft below land-surface datum, July 13, 2004; lowest water level, 34.97 ft below land-surface datum, September 10, 1991.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	24.21	MAR 25	24.50	JUN 08	22.80	JUL 13	22.26	AUG 18	22.50	SEP 22	22.68
NOV 18	24.25	MAY 04	23.46								
WATER YEAR 2004		HIGHEST	22.26	JUL 13, 2004		LOWEST	24.50	MAR 25, 2004			

154-067-15BBB



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 BENSON COUNTY--Continued

481041099442701. Local number, 154-071-11AAD1.

LOCATION.--Lat 48°10'41", long 99°44'27", Hydrologic Unit 09020202. Owner: North Dakota State Water Commission.

AQUIFER.--Fox Hills.

WELL CHARACTERISTICS.--Drilled observation well, depth 100 ft, cased with 42 ft of 1.25-in diameter plastic pipe, No. 12 slot screen set 42 to 45 ft below land-surface datum.

INSTRUMENTATION.--Measured quarterly using an electric tape.

DATUM.--Altitude of land-surface datum is 1,590 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

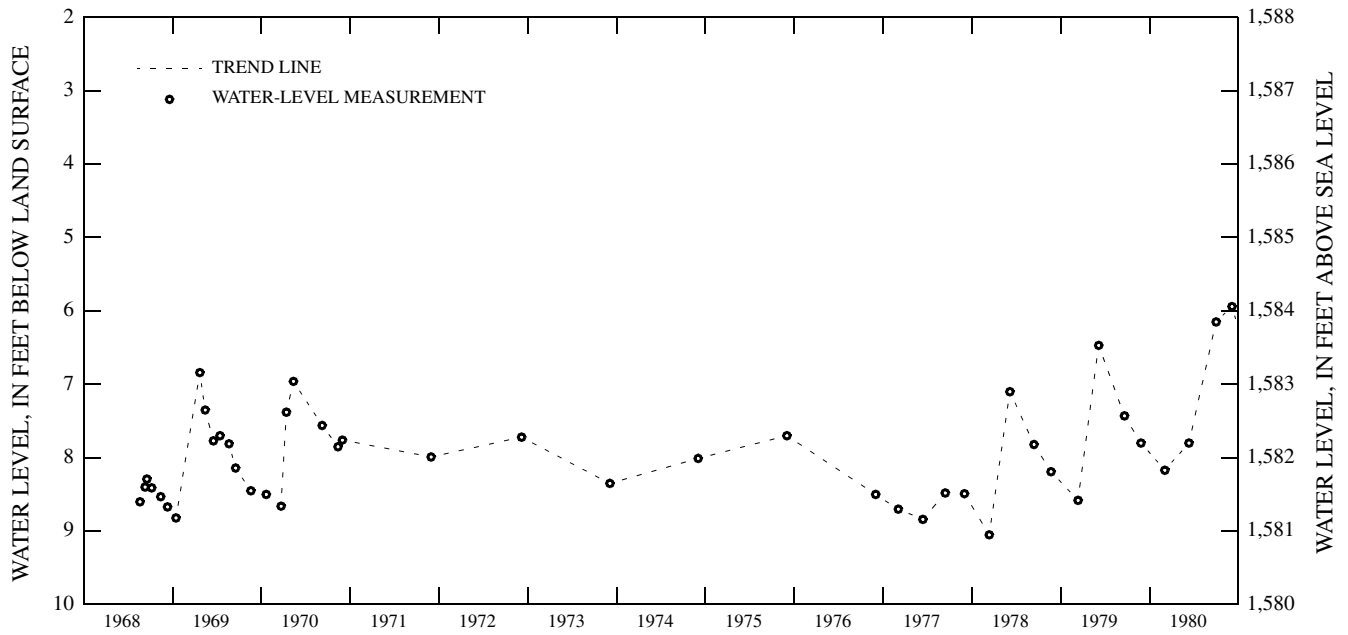
PERIOD OF RECORD.--August 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.25 ft below land-surface datum, May 20, 1999; lowest water level, 9.27 ft below land-surface datum, June 8, 1988.

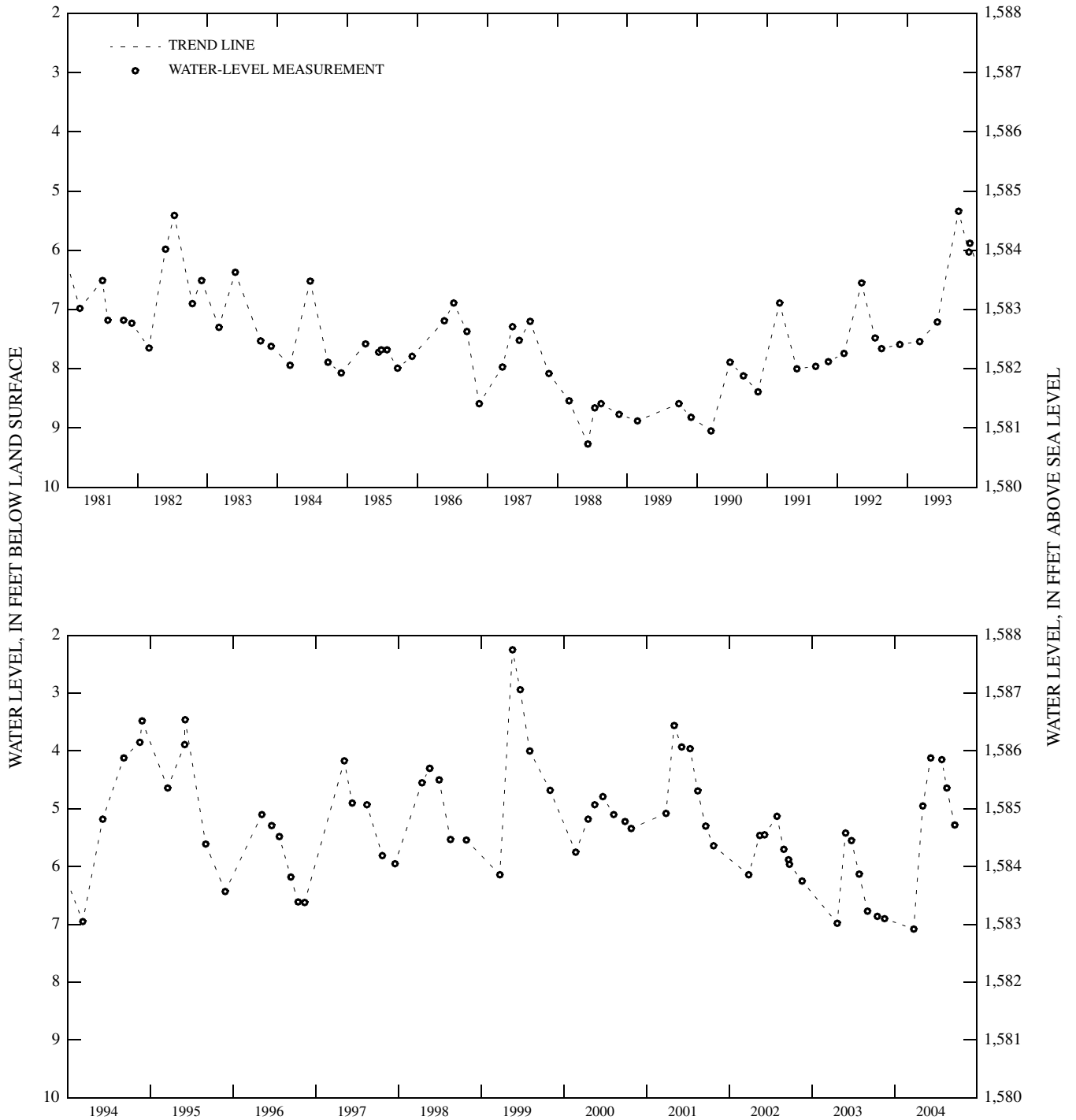
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	6.86	MAR 26	7.08	JUN 09	4.12	JUL 28	4.15	AUG 19	4.64	SEP 23	5.28
NOV 18	6.90	MAY 05	4.95								
WATER YEAR 2004		HIGHEST	4.12 JUN 09, 2004	LOWEST		7.08 MAR 26, 2004					

154-071-11AAD1



154-071-11AAD1--Continued



GROUND-WATER LEVELS

NETWORK SITES--Continued

BENSON COUNTY--Continued

482212099475801. Local number, 156-071-04BBA.

LOCATION.--Lat 48°22'12", long 99°47'58", Hydrologic Unit 09010004. Owner: North Dakota State Water Commission.

AQUIFER.--Pleasant Lake.

WELL CHARACTERISTICS.--Drilled observation well, depth 140 ft, cased with 58 ft of 4-in diameter plastic pipe, slotted 18 to 58 ft below land-surface datum.

INSTRUMENTATION.--Water-level recorder January 1975 to current year. Only intermittent low and EOM water levels, obtained from strip-chart recorders, are available from the District office for September 1968 to January 1975. From January 1975 to current year, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,604 ft. Measuring point: Top of casing 1.00 ft above land-surface datum.

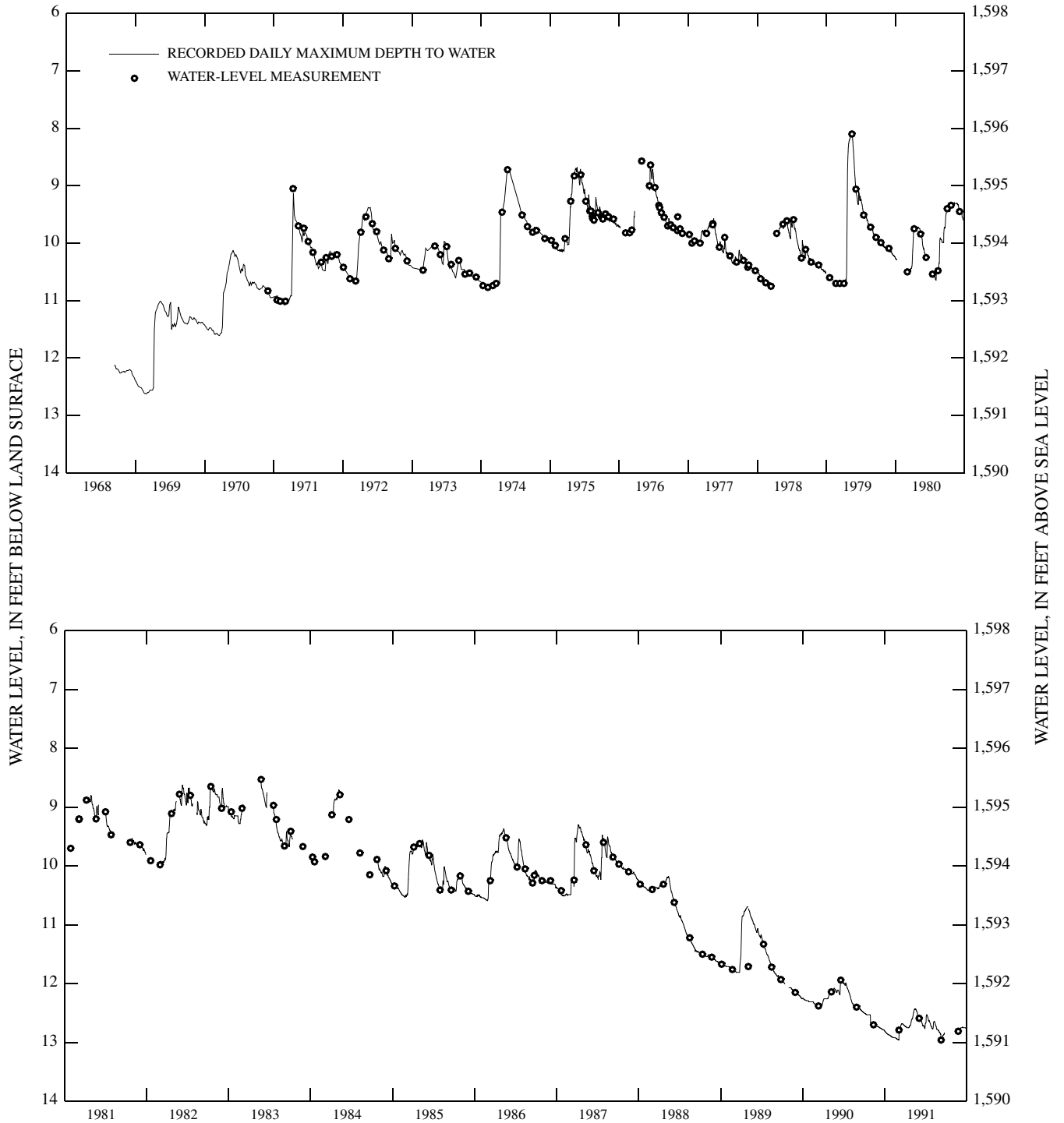
PERIOD OF RECORD.--September 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.84 ft below land-surface datum, May 19, 1999; lowest water level, 13.39 ft below land-surface datum, March 9, 1993.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

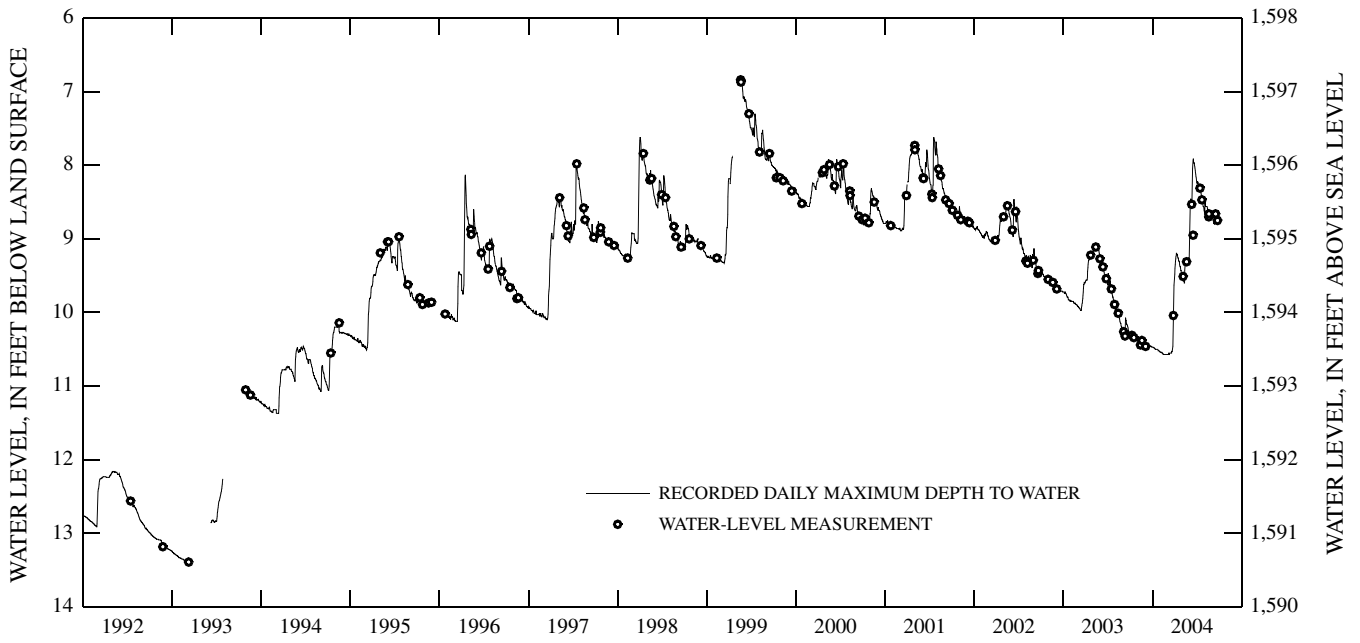
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	10.36	10.41	10.47	10.54	10.57	9.48	9.50	8.91	8.24	8.65	8.71
2	---	10.36	10.41	10.47	10.54	10.57	9.40	9.51	8.70	8.25	8.65	8.71
3	---	10.36	10.43	10.47	10.54	10.57	9.35	9.51	8.54	8.22	8.50	8.71
4	---	10.36	10.43	10.48	10.54	10.57	9.31	9.53	8.49	8.23	8.53	8.71
5	---	10.36	10.43	10.48	10.54	10.57	9.27	9.53	8.46	8.23	8.56	8.72
6	---	10.36	10.43	10.48	10.54	10.57	9.24	9.57	8.46	8.24	8.56	8.75
7	---	10.37	10.41	10.48	10.54	10.56	9.23	9.57	8.46	8.26	8.56	8.79
8	---	10.37	10.43	10.48	10.54	10.57	9.19	9.57	8.49	8.27	8.56	8.79
9	---	10.37	10.43	10.49	10.55	10.57	9.20	9.57	8.51	8.27	8.56	8.79
10	---	10.37	10.43	10.49	10.55	10.56	9.21	9.60	8.51	8.29	8.56	8.80
11	---	10.37	10.43	10.49	10.56	10.55	9.22	9.60	8.42	8.32	8.56	8.80
12	---	10.39	10.43	10.50	10.56	10.55	9.22	9.43	8.15	8.34	8.57	8.80
13	---	10.39	10.43	10.50	10.56	10.55	9.25	9.37	8.05	---	8.59	8.79
14	---	10.39	10.44	10.50	10.57	10.55	9.26	9.32	7.97	8.35	8.60	8.78
15	---	10.38	10.45	10.50	10.57	10.55	9.26	9.27	7.94	8.35	8.60	8.72
16	---	10.38	10.45	10.50	10.57	10.55	9.28	9.27	7.91	8.32	8.64	8.72
17	10.34	10.38	10.45	10.50	10.57	10.55	9.30	9.30	7.95	8.35	8.64	8.74
18	10.34	10.38	10.45	10.50	10.57	10.55	9.30	9.31	7.97	8.38	8.69	8.76
19	10.34	10.38	10.45	10.50	10.57	10.55	9.31	9.32	7.97	8.41	8.70	8.77
20	10.34	10.38	10.45	10.50	10.57	10.53	9.31	9.28	7.97	8.41	8.70	8.79
21	10.35	10.38	10.45	10.50	10.57	10.53	9.35	9.28	8.00	8.46	8.70	8.77
22	10.35	10.39	10.46	10.50	10.57	10.52	9.37	9.28	8.02	8.47	8.71	8.77
23	10.35	10.39	10.46	10.50	10.57	10.49	9.38	9.28	8.04	8.48	8.71	8.77
24	10.35	10.39	10.46	10.52	10.57	10.46	9.38	9.28	8.07	8.49	8.70	8.74
25	10.36	10.39	10.46	10.52	10.57	10.36	9.40	9.28	8.10	8.51	8.70	8.65
26	10.36	10.39	10.46	10.52	10.57	10.11	9.43	9.26	8.12	8.56	8.70	8.62
27	10.35	10.40	10.46	10.52	10.57	10.00	9.43	9.26	8.15	8.56	8.67	8.70
28	10.33	10.40	10.46	10.52	10.57	9.73	9.46	9.26	8.17	8.56	8.68	8.70
29	10.34	10.40	10.47	10.53	10.57	9.63	9.48	9.27	8.19	8.57	8.68	8.70
30	10.35	10.41	10.47	10.53	---	9.57	9.49	9.27	8.23	8.61	8.71	8.71
31	10.36	---	10.47	10.53	---	9.54	---	9.16	---	8.62	8.71	---

156-071-04BBA



GROUND-WATER LEVELS
NETWORK SITES--Continued
BENSON COUNTY--Continued

156-071-04BBA--Continued



NETWORK SITES--Continued

BOTTINEAU COUNTY

483333101135402. Local number, 159-082-35BBB2.

LOCATION.--Lat 48°33'33", long 101°13'54", Hydrologic Unit 09010005. Owner: North Dakota State Water Commission.

AQUIFER.--Glenburn.

WELL CHARACTERISTICS.--Drilled observation well, depth 181 ft, cased with 178 ft of 1.25-in diameter plastic pipe, No. 18 slot screen set 178 to 181 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

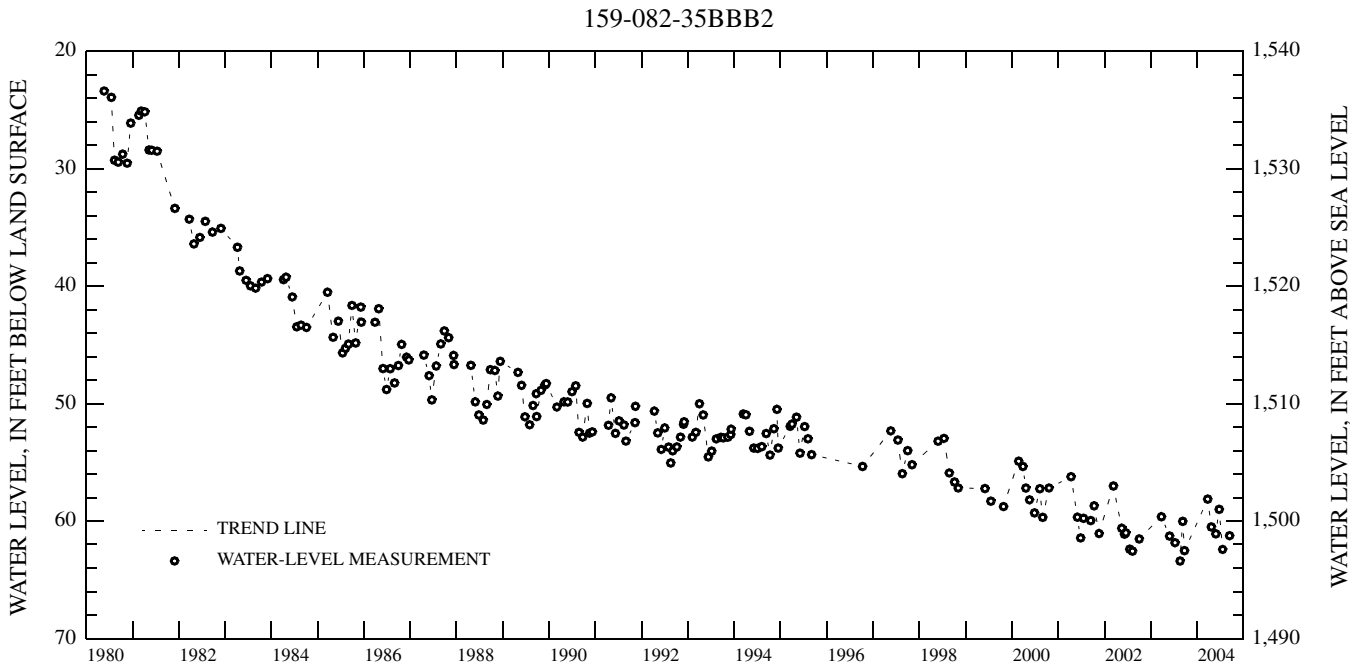
DATUM.--Altitude of land-surface datum is 1,560 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

PERIOD OF RECORD.--May 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 23.39 ft below land-surface datum, May 21, 1980; lowest water level, 63.40 ft below land-surface datum, August 20, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 25	58.13	APR 23	60.50	MAY 28	61.08	JUN 24	59.00	JUL 21	62.41	SEP 14	61.24
WATER YEAR 2004		HIGHEST	58.13	MAR 25, 2004		LOWEST	62.41	JUL 21, 2004			



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 BOWMAN COUNTY

461039103282801. Local number, 131-102-07DDD1.

LOCATION.--Lat 46°10'39", long 103°28'28", Hydrologic Unit 10130301. Owner: North Dakota State Water Commission.

AQUIFER.--Hell Creek-Fox Hills.

WELL CHARACTERISTICS.--Drilled observation well, depth 963 ft, cased with 951 ft of 2-in diameter steel pipe.

INSTRUMENTATION.--Measured using a steel tape.

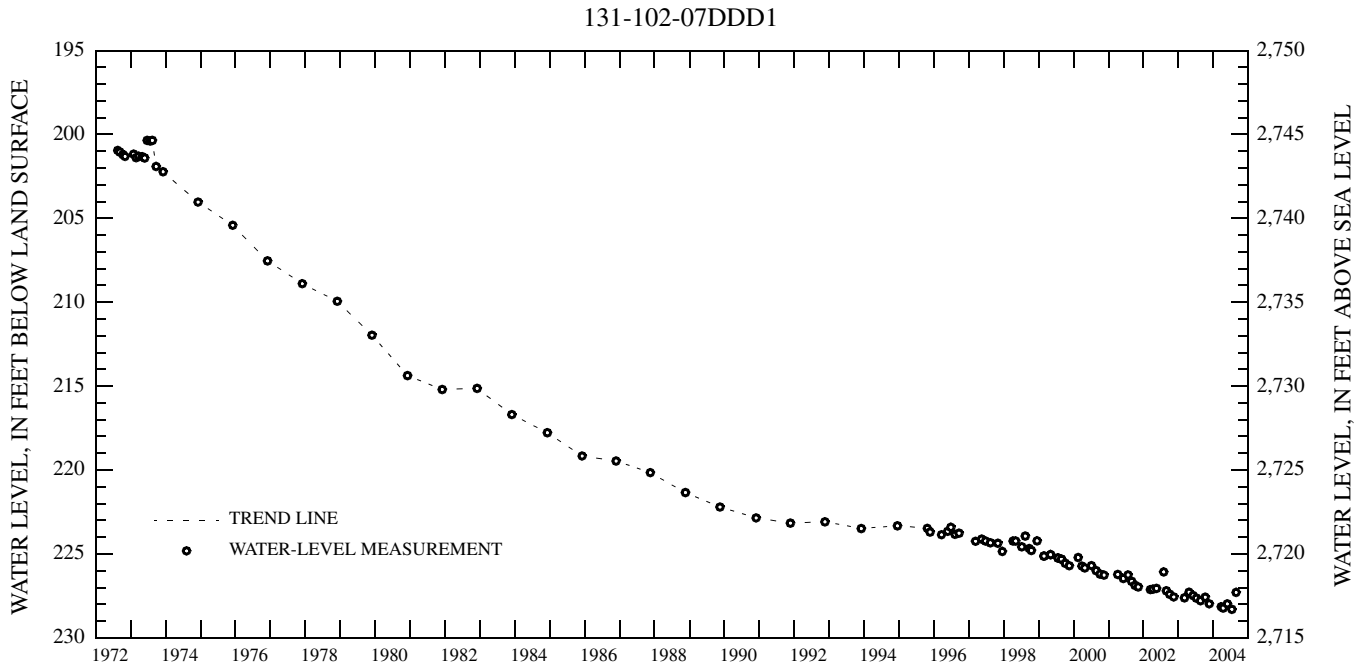
DATUM.--Altitude of land-surface datum is 2,945 ft. Measuring point: Top of casing 3.20 ft above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 200.35 ft below land-surface datum, June 21, 1973, and August 13, 1973;
 lowest water level, 228.30 ft below land-surface datum, July 13, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	227.57	MAR 24	228.14	APR 13	228.22	MAY 27	227.97	JUL 13	228.30	AUG 26	227.29
NOV 19	227.97										
WATER YEAR 2004		HIGHEST	227.29	AUG 26, 2004	LOWEST	228.30	JUL 13, 2004				



NETWORK SITES--Continued

BOWMAN COUNTY--Continued

461039103282803. Local number, 131-102-07DDD3.

LOCATION.--Lat 46°10'39", long 103°28'28", Hydrologic Unit 10130301. Owner: North Dakota State Water Commission.

AQUIFER.--Tongue River-Ludlow.

WELL CHARACTERISTICS.--Drilled observation well, depth 138 ft, cased with 132 ft of 1.25-in diameter plastic pipe, No. 12 slot screen set 132 to 138 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

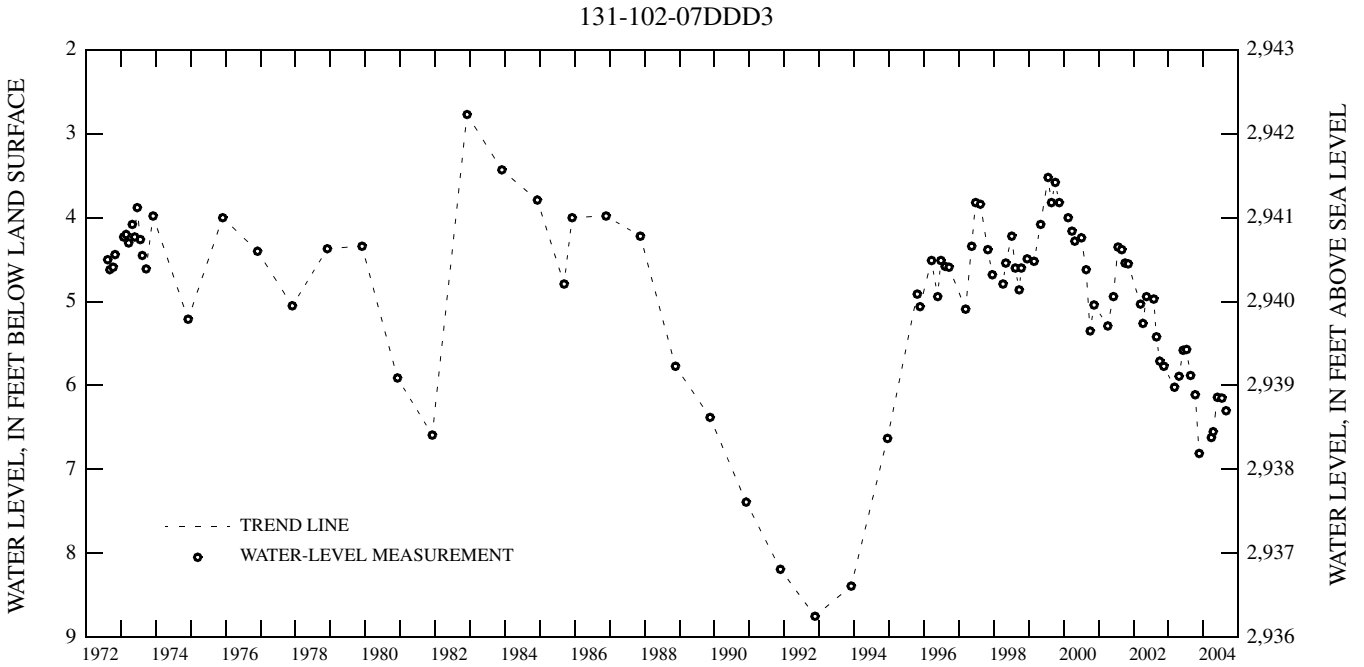
DATUM.--Altitude of land-surface datum is 2,945 ft. Measuring point: Top of casing 2.50 ft above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.77 ft below land-surface datum, December 1, 1982; lowest water level, 8.75 ft below land-surface datum, November 17, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	6.11	MAR 24	6.62	APR 13	6.55	MAY 27	6.14	JUL 13	6.15	AUG 26	6.30
NOV 19	6.81										
WATER YEAR 2004		HIGHEST	6.11	OCT 08, 2003		LOWEST	6.81	NOV 19, 2003			



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 BURKE COUNTY

485618102455401. Local number, 163-093-17DDD.

LOCATION.--Lat 48°56'18", long 102°45'54", Hydrologic Unit 09010001. Owner: North Dakota State Water Commission.

AQUIFER.--Columbus.

WELL CHARACTERISTICS.--Drilled observation well, depth 80 ft, cased with 76 ft of 1.25-in diameter plastic pipe, slotted 56 to 76 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

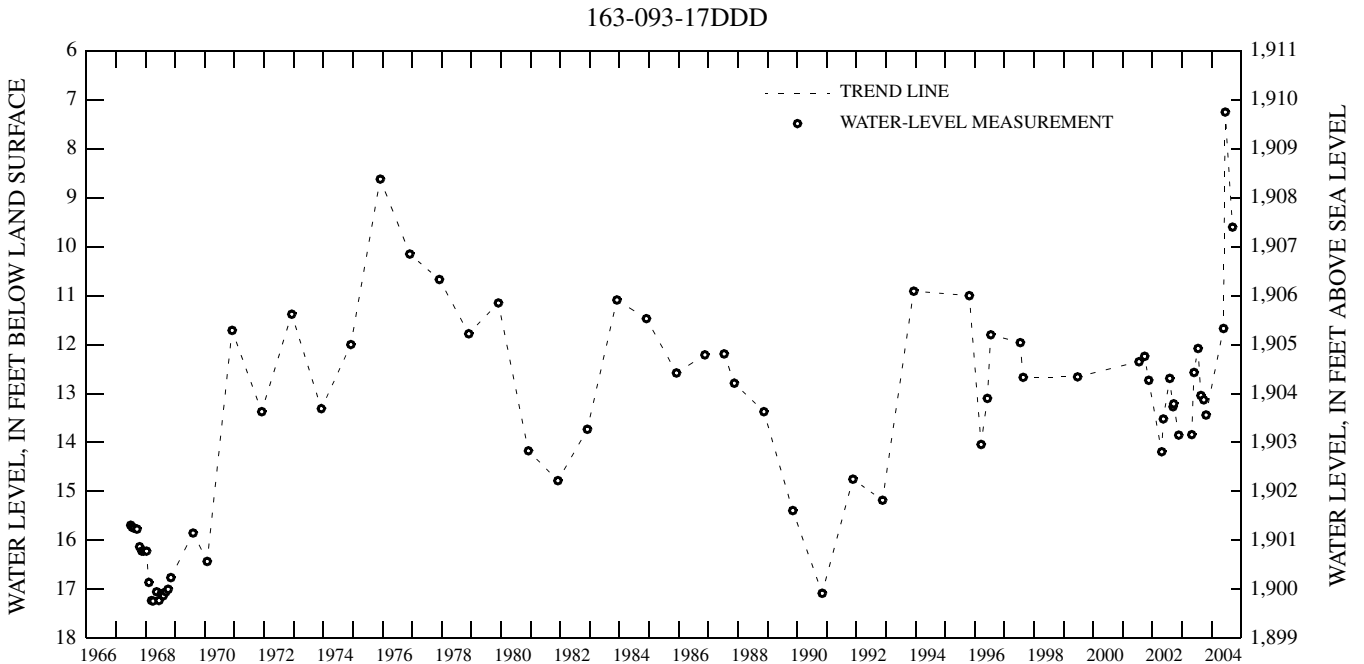
DATUM.--Altitude of land-surface datum is 1,917 ft. Measuring point: Top of casing 1.80 ft above land-surface datum.

PERIOD OF RECORD.--June 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.25 ft below land-surface datum, June 16, 2004; lowest water level, 17.24 ft below land-surface datum, April 1, 1968.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	13.44	MAY 26	11.67	JUN 16	7.25	SEP 14	9.60
WATER YEAR 2004		HIGHEST	7.25	JUN 16, 2004		LOWEST	13.44
							OCT 23, 2003



GROUND-WATER LEVELS

29

NETWORK SITES--Continued

BURLEIGH COUNTY

464540100222101. Local number, 138-077-22AAD.

LOCATION.--Lat 46°45'40", long 100°22'21", Hydrologic Unit 10130103. Owner: North Dakota State Water Commission.

AQUIFER.--McKenzie.

WELL CHARACTERISTICS.--Drilled observation well, depth 126 ft, cased with 116 ft of 4.5-in diameter steel pipe, slotted 86 to 116 ft below land-surface datum.

INSTRUMENTATION.--Water-level recorder October 1973 to current year. Only intermittent low and EOM water levels, obtained from strip-chart recorders, are available from the District office for September 1961 to October 1973. From October 1973 to current year, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,720 ft. Measuring point: Top of casing 0.50 ft above land-surface datum.

PERIOD OF RECORD.--October 1961 to current year.

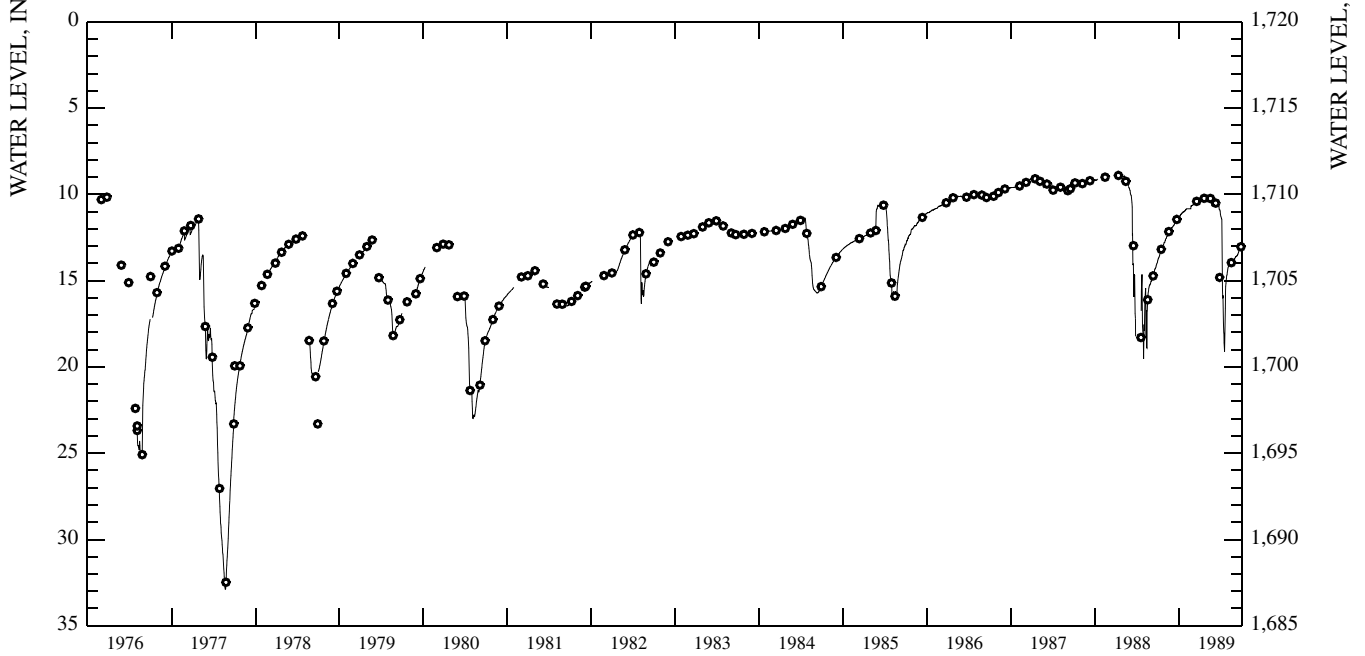
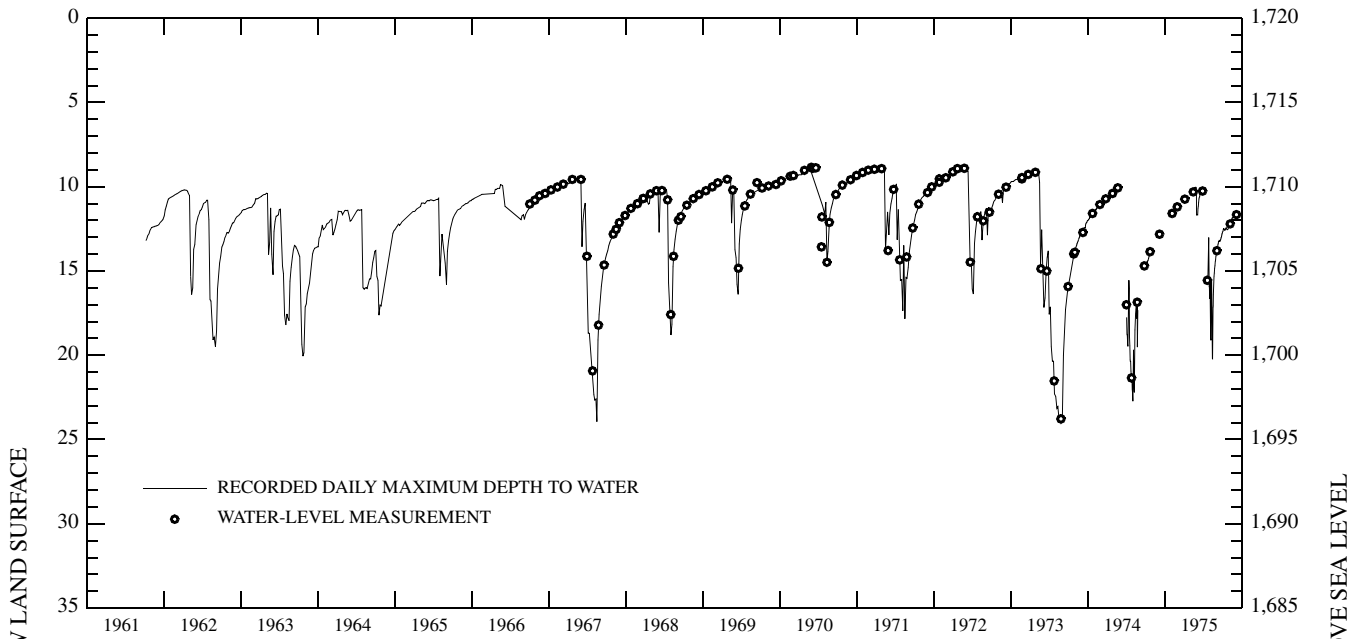
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.87 ft below land-surface datum, June 15, 16, 18, and 19, 2001; lowest water level, 32.88 ft below land-surface datum, August 22-23, 1977.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

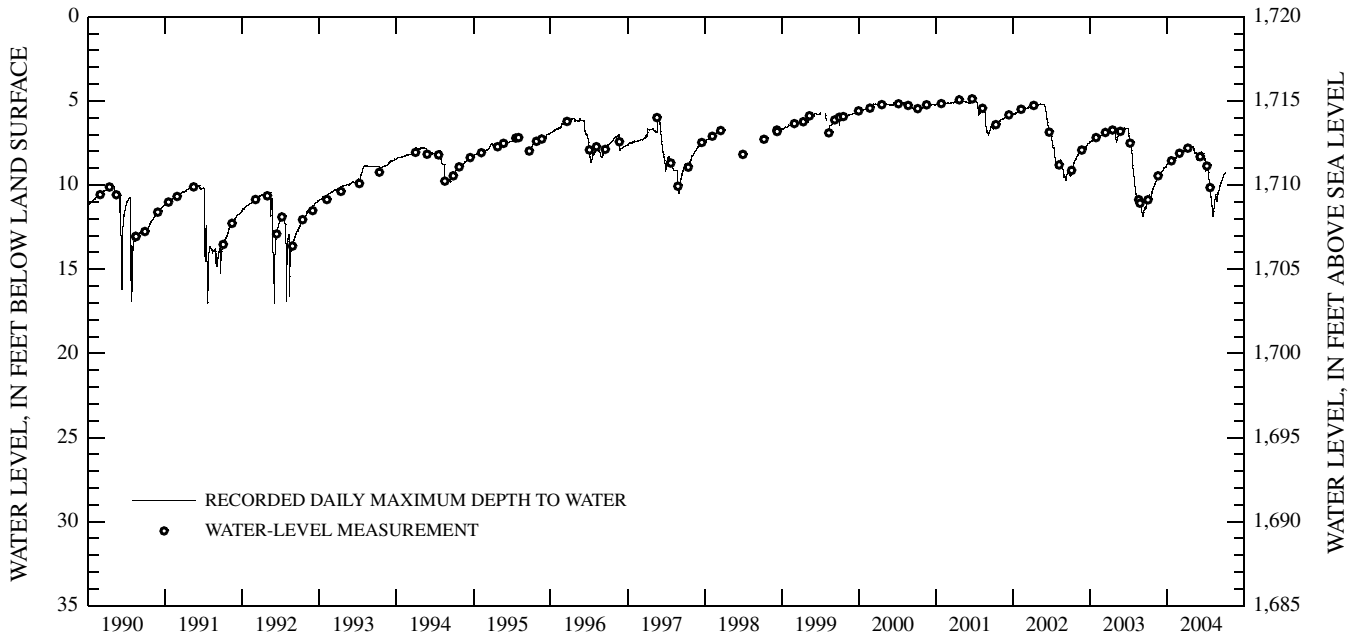
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.88	9.99	9.25	8.77	8.41	8.14	7.86	7.72	8.30	9.00	11.42	10.34
2	10.85	9.94	9.25	8.74	8.41	8.12	7.88	7.72	8.31	9.15	11.62	10.25
3	10.77	9.93	9.23	8.73	8.41	8.12	7.88	7.72	8.31	9.15	11.81	10.22
4	10.72	9.89	9.22	8.73	8.41	8.11	7.88	7.69	---	9.07	11.87	10.17
5	10.67	9.85	9.21	8.73	8.40	8.07	7.84	7.80	8.18	9.08	11.85	10.08
6	10.63	9.83	9.20	8.73	8.41	8.07	7.83	7.90	8.18	9.00	11.83	10.01
7	10.58	9.79	9.15	8.71	8.41	8.05	---	7.95	8.16	8.92	11.72	10.00
8	10.62	9.79	9.13	8.70	8.40	8.05	7.83	8.04	8.18	8.95	11.55	9.97
9	10.77	9.75	9.13	8.70	8.40	8.05	7.84	8.04	8.18	8.97	11.38	9.94
10	10.80	9.71	9.13	8.70	8.40	8.02	7.84	8.09	8.18	9.09	11.26	9.88
11	10.83	9.66	9.12	8.65	8.40	8.02	7.84	8.09	8.07	9.09	11.14	9.86
12	10.90	9.64	9.10	8.63	8.40	8.02	7.83	8.07	8.04	9.03	10.97	9.83
13	10.90	9.63	9.08	8.63	8.40	8.00	7.83	8.07	8.04	8.96	10.87	9.78
14	10.83	9.61	9.04	8.61	8.29	8.00	7.81	8.07	8.04	9.22	10.79	9.76
15	10.74	9.57	9.01	8.61	8.29	8.00	7.79	8.10	8.04	9.23	10.71	9.74
16	10.66	9.56	9.00	8.59	8.29	8.00	7.78	8.17	8.04	9.66	10.61	9.72
17	10.61	9.51	9.00	8.59	8.29	8.00	7.78	8.27	8.09	9.73	10.56	9.69
18	10.53	9.48	8.99	8.59	8.29	7.97	7.78	8.39	8.12	9.88	10.65	9.65
19	10.49	9.47	8.98	---	8.22	7.96	7.77	8.43	8.12	10.02	10.70	9.61
20	10.41	9.43	8.97	---	8.20	8.01	7.77	8.45	8.12	10.09	10.79	9.55
21	10.39	9.43	8.94	8.56	8.20	8.01	7.73	8.47	8.12	10.16	10.88	9.50
22	10.34	9.43	8.93	8.55	8.19	8.00	7.74	8.51	8.32	10.20	10.96	9.50
23	10.30	9.42	8.93	8.53	8.19	7.96	7.75	8.51	8.33	10.28	10.99	9.48
24	10.24	9.39	8.93	8.52	8.19	7.94	7.75	8.51	8.34	10.49	10.87	9.36
25	10.21	9.32	8.90	8.48	8.18	7.93	7.73	8.49	8.33	10.71	10.77	9.36
26	10.21	9.30	8.88	8.46	---	7.94	7.75	8.48	8.44	10.71	10.63	9.35
27	10.16	9.30	8.86	8.45	---	7.92	7.75	8.43	8.48	10.69	10.57	9.34
28	10.08	9.30	8.81	8.44	8.15	7.86	7.71	8.42	8.47	10.96	10.47	9.34
29	10.07	9.26	8.80	8.43	8.15	7.88	7.72	8.40	8.77	11.22	10.41	9.31
30	10.00	9.25	8.80	8.43	---	7.88	7.72	8.38	9.00	11.28	10.41	9.27
31	9.99	---	8.78	8.42	---	7.88	---	8.32	---	11.29	10.38	---

GROUND-WATER LEVELS
NETWORK SITES--Continued
BURLEIGH COUNTY--Continued

138-077-22AAD



138-077-22AAD--Continued



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 BURLEIGH COUNTY--Continued

470556100142501. Local number, 142-075-19CCB.

LOCATION.--Lat 47°05'56", long 100°14'25", Hydrologic Unit 10130103. Owner: North Dakota State Water Commission.

AQUIFER.--Wing Channel.

WELL CHARACTERISTICS.--Drilled observation well, depth 210 ft, cased with 197 ft of 1.25-in diameter plastic pipe, slotted 190 to 197 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

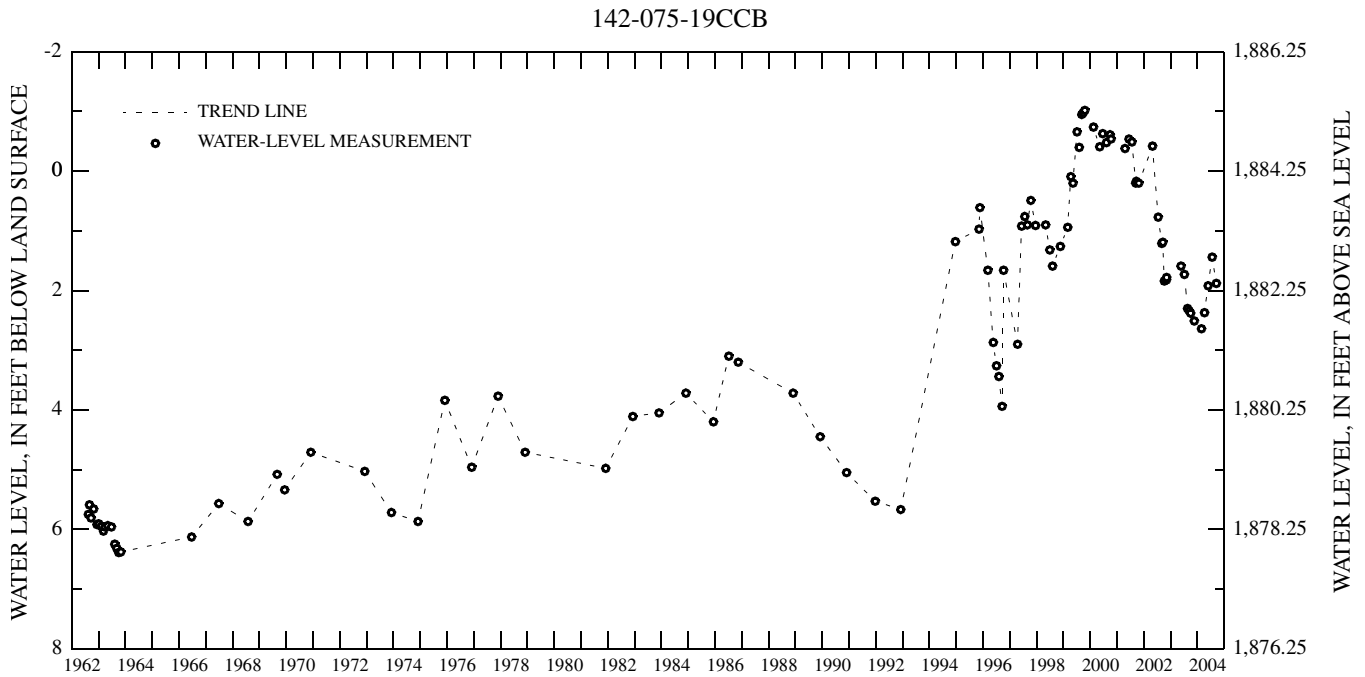
DATUM.--Altitude of land-surface datum is 1,884.25 ft. Measuring point: Top of casing 2.40 ft above land-surface datum.

PERIOD OF RECORD.--August 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, -1.02 ft below land-surface datum, October 20, 1999; lowest water level, 6.39 ft below land-surface datum, October 2, 1963.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	2.38	FEB 26	2.64	APR 07	2.37	MAY 26	1.92	JUL 21	1.44	SEP 15	1.88
NOV 20	2.51										
WATER YEAR 2004		HIGHEST	1.44	JUL 21, 2004		LOWEST	2.64	FEB 26, 2004			



NETWORK SITES--Continued

CASS COUNTY

465312096543301. Local number, 139-049-06ADB.

LOCATION.--Lat 46°53'12", long 96°54'33", Hydrologic Unit 09020204. Owner: North Dakota State Water Commission.

AQUIFER.--West Fargo.

WELL CHARACTERISTICS.--Drilled observation well, depth 230 ft, cased with 220 ft of 8-in diameter steel pipe, screen set 220 to 230 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape April 2002 to current year. Water-level recorder January 1938 to April 2002. Only intermittent low and EOM water levels, obtained from strip-chart recorders, are available from the District office for January 1938 to April 1998. From April 1998 to April 2002, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 899.4 ft. Measuring point: Top of casing 0.40 ft above land-surface datum.

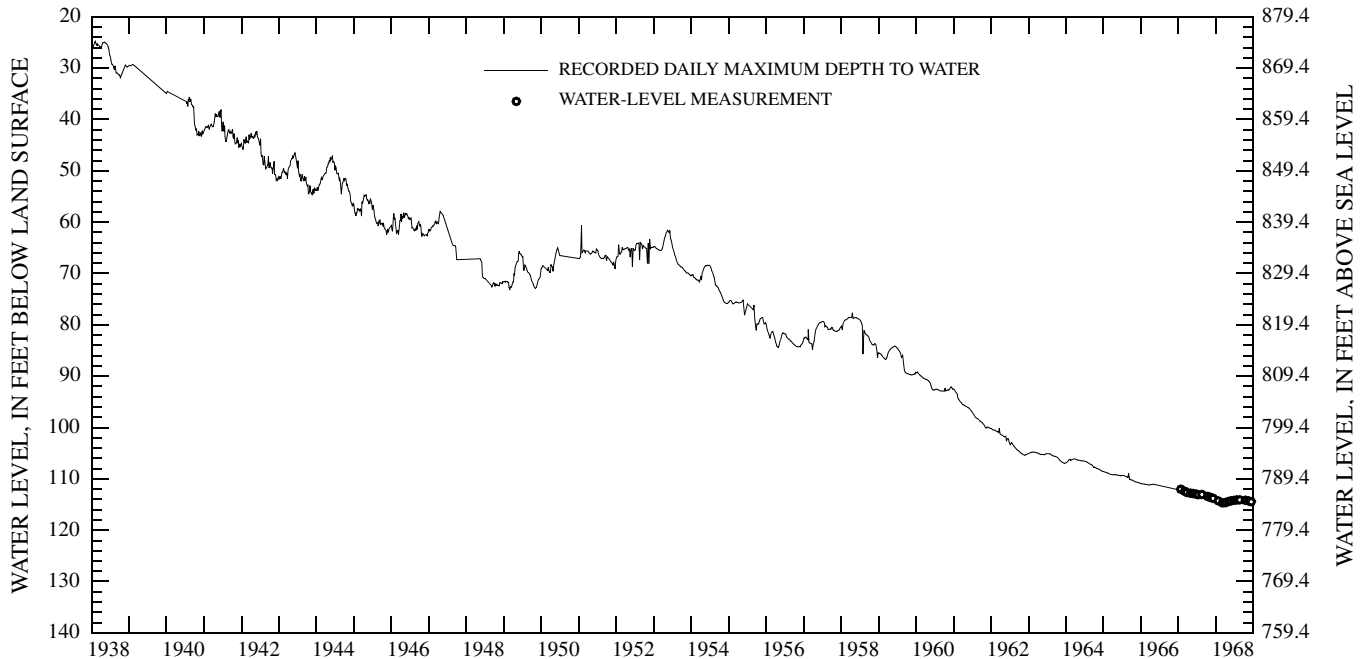
PERIOD OF RECORD.--December 1937 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 24.77 ft below land-surface datum, February 5, 1938; lowest water level, 129.40 ft below land-surface datum, November 7-9, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

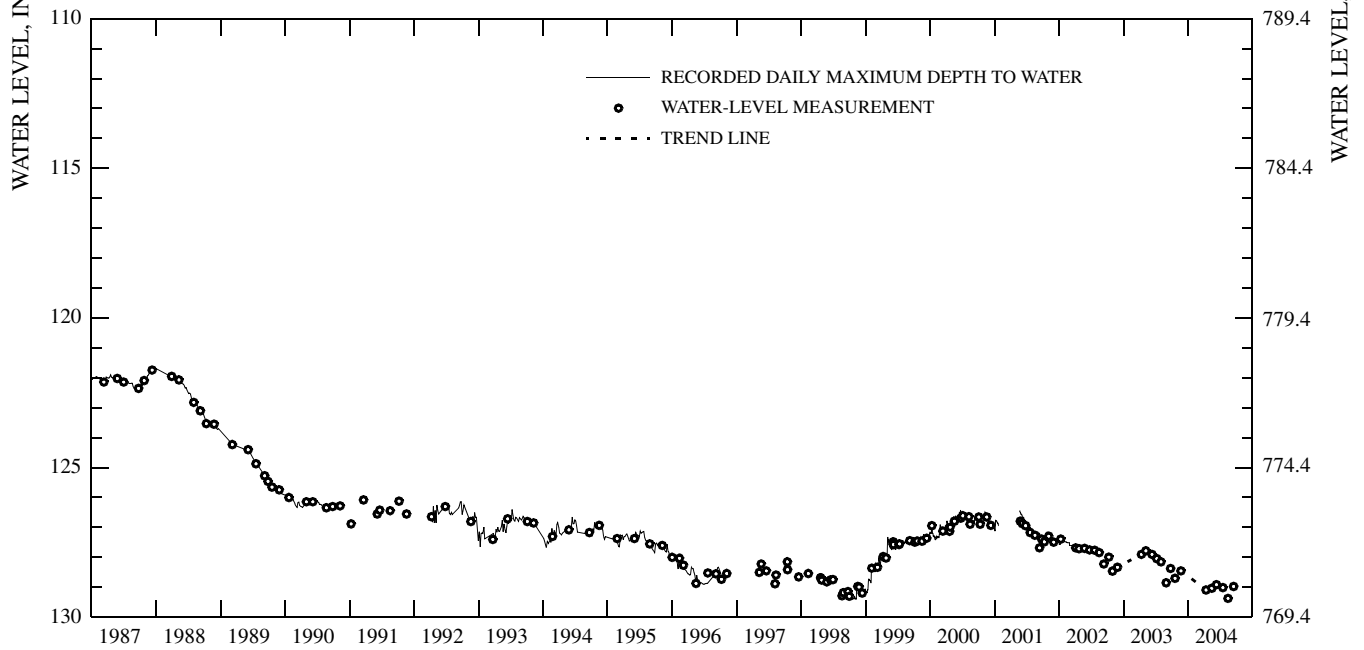
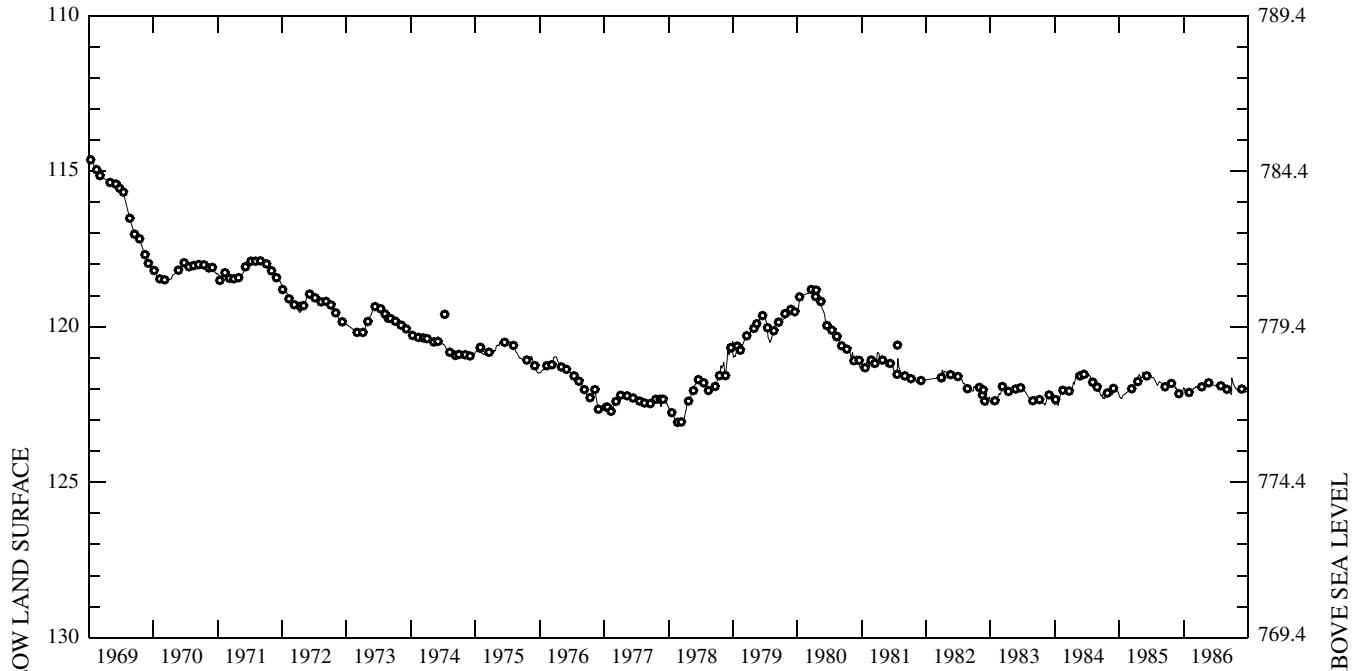
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	128.70	APR 12	129.09	JUN 10	128.91	JUL 16	129.01	AUG 14	129.37	SEP 15	128.97
NOV 22	128.45	MAY 15	129.03								
WATER YEAR 2004		HIGHEST	128.45	NOV 22, 2003		LOWEST	129.37	AUG 14, 2004			

139-049-06ADB



GROUND-WATER LEVELS
NETWORK SITES--Continued
CASS COUNTY--Continued

139-049-06ADB--Continued



NETWORK SITES--Continued

CASS COUNTY--Continued

470818097294104. Local number, 142-054-03DDD4.

LOCATION.--Lat 47°08'18", long 97°29'41", Hydrologic Unit 09020107. Owner: North Dakota State Water Commission.

AQUIFER.--Page.

WELL CHARACTERISTICS.--Drilled observation well, depth 182 ft, cased with 158 ft of 6-in diameter plastic pipe, No. 12 slot screen set 158 to 168 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape August 1996 to current year. Water-level recorder October 1982 to August 1996, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,226.2 ft. Measuring point: Top of casing 1.20 ft above land-surface datum.

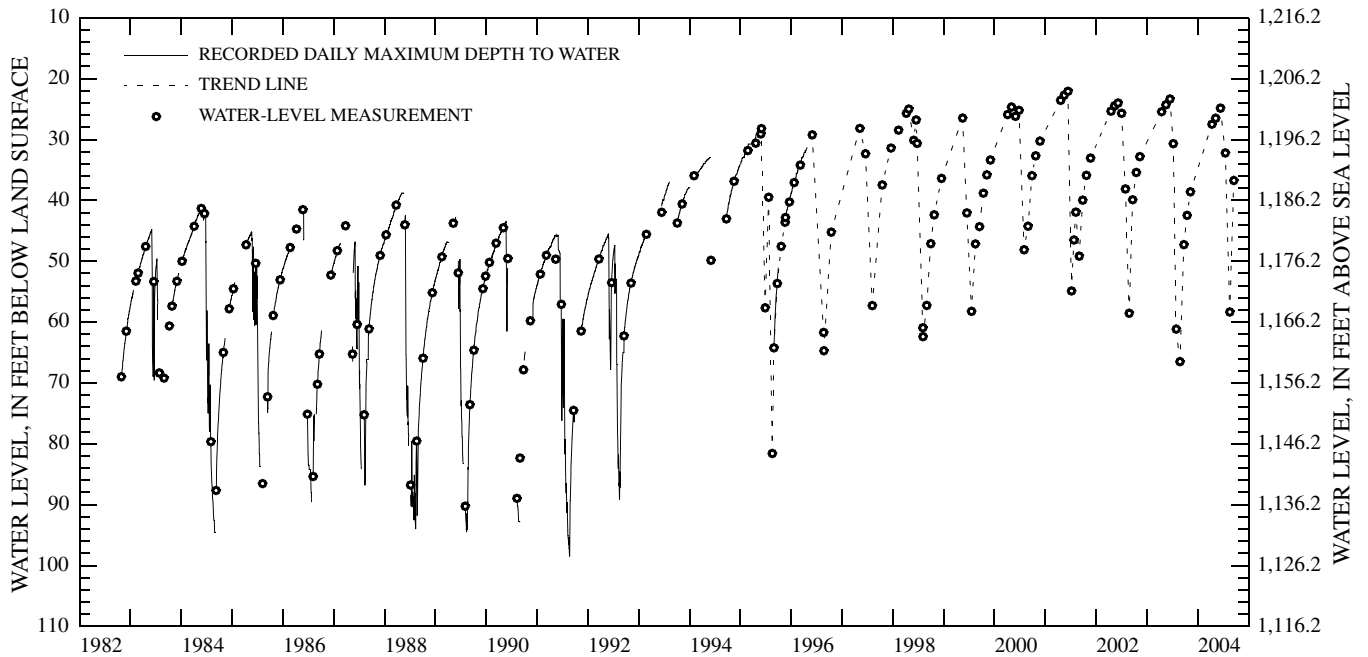
PERIOD OF RECORD.--October 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 22.05 ft below land-surface datum, June 12, 2001; lowest water level, 98.52 ft below land-surface datum, August 23,1991.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	42.45	APR 12	27.47	JUN 12	24.83	JUL 17	32.19	AUG 18	58.32	SEP 16	36.72
NOV 09	38.58	MAY 08	26.49								
WATER YEAR 2004		HIGHEST	24.83	JUN 12, 2004		LOWEST	58.32	AUG 18, 2004			

142-054-03DDD4



GROUND-WATER LEVELS
NETWORK SITES--Continued
CASS COUNTY--Continued

471326097332902. Local number, 143-054-08BBB2.

LOCATION.--Lat 47°13'26", long 97°33'29", Hydrologic Unit 09020107. Owner: North Dakota State Water Commission.

AQUIFER.--Page.

WELL CHARACTERISTICS.--Drilled observation well, depth 92 ft, cased with 81 ft of 5-in diameter plastic pipe, No. 15 slot screen set 81 to 86 ft below land-surface datum.

INSTRUMENTATION.--Water-level recorder September 1982 to current year, daily maximum and minimum recorded water levels also are available.

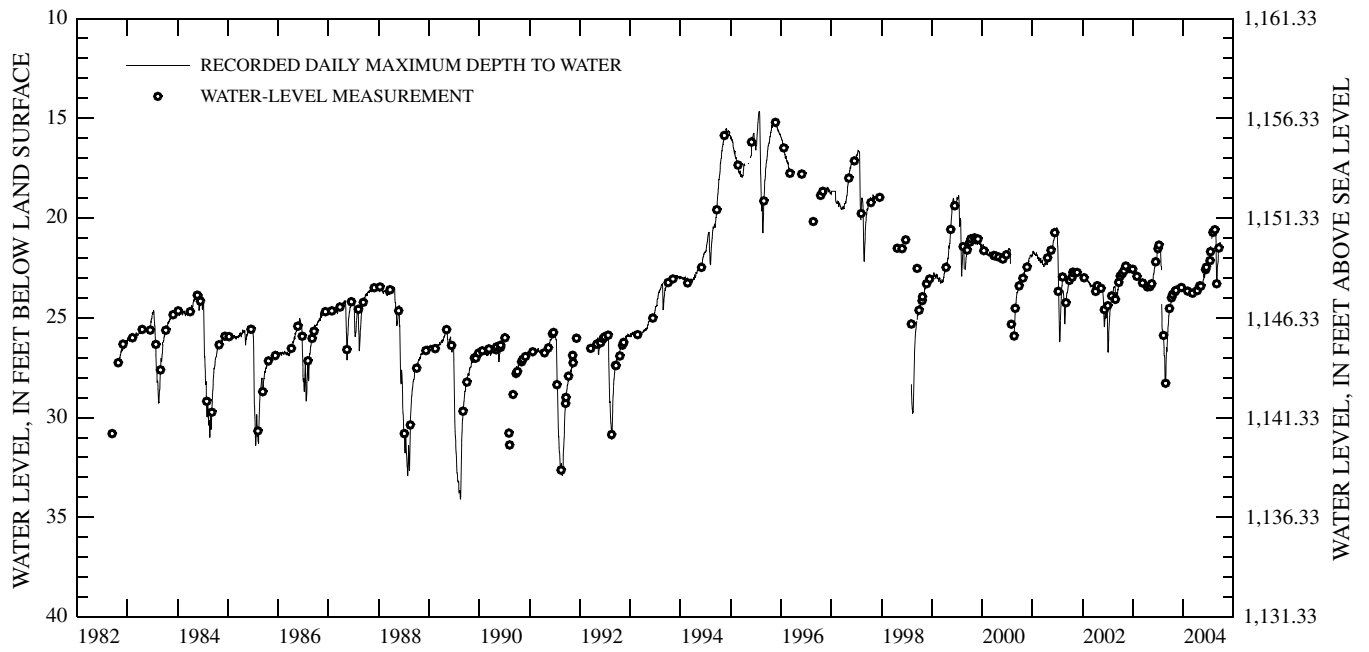
DATUM.--Altitude of land-surface datum is 1,171.33 ft. Measuring point: Top of casing 1.95 ft above land-surface datum.

PERIOD OF RECORD.--September 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 14.61 ft below land-surface datum, July 27-28, 1995; lowest water level, 34.08 ft below land-surface datum, August 18, 1989.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 DAILY MAXIMUM VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.43	23.67	23.56	23.45	---	23.72	23.75	23.41	22.81	22.19	20.75	23.33
2	24.42	23.67	23.58	23.43	---	23.76	23.75	23.43	22.92	22.28	20.74	23.45
3	24.30	23.68	23.57	23.50	23.67	23.77	23.77	23.43	22.97	22.31	20.70	23.45
4	24.23	23.68	23.54	23.57	23.68	23.77	23.77	23.36	22.97	22.32	20.72	23.19
5	24.19	23.61	23.58	23.59	23.68	23.76	23.72	23.35	22.97	22.34	20.72	22.88
6	24.17	23.61	23.58	---	23.68	23.76	23.62	23.34	22.91	22.33	20.72	22.47
7	24.10	23.67	23.48	---	23.70	23.76	23.62	23.41	22.78	22.29	20.64	22.37
8	24.05	23.69	23.42	---	23.69	23.77	23.61	23.39	22.73	22.26	20.59	22.35
9	23.99	23.69	23.47	---	23.62	23.80	23.64	23.36	22.76	22.22	20.57	22.27
10	23.98	23.61	23.47	---	23.63	23.77	23.66	23.30	22.76	22.20	20.59	22.23
11	23.90	23.50	23.47	---	23.67	23.71	23.66	23.32	22.67	---	20.59	22.19
12	23.88	23.51	23.47	---	23.70	23.71	23.66	23.20	22.56	---	20.57	21.84
13	23.88	23.56	23.45	---	23.68	23.71	23.66	23.27	22.52	---	20.59	21.67
14	23.88	23.54	23.39	---	23.63	23.72	23.60	23.30	22.51	---	20.58	21.59
15	23.88	23.49	23.35	---	23.63	23.73	23.56	23.31	22.50	21.81	20.57	21.55
16	23.89	23.46	23.41	---	23.63	23.81	23.50	23.29	22.46	21.72	20.50	21.48
17	23.88	23.44	23.41	---	23.63	23.76	23.54	23.29	22.47	21.69	20.49	21.46
18	23.86	23.38	23.46	---	23.69	23.76	23.54	23.28	22.48	21.63	20.46	21.42
19	23.84	23.39	23.49	---	23.69	23.76	23.48	23.28	22.48	21.46	20.47	21.38
20	23.79	23.41	23.49	---	23.66	23.91	23.48	23.24	22.43	21.40	20.54	21.31
21	23.75	23.49	23.39	---	23.66	23.95	23.40	23.24	22.30	---	20.60	21.29
22	23.75	23.51	23.43	---	23.66	23.95	23.45	23.22	22.25	---	20.69	21.31
23	23.75	23.51	23.46	---	23.75	23.87	23.49	23.18	22.22	---	20.72	21.29
24	23.75	23.49	23.46	---	23.79	23.81	23.49	23.17	22.21	---	20.75	21.25
25	23.74	23.42	23.45	---	23.80	23.76	23.44	23.15	22.20	---	20.87	21.26
26	23.74	23.36	23.43	---	23.78	23.75	23.44	23.12	22.19	---	20.92	21.26
27	23.73	23.46	23.41	---	23.75	23.77	23.44	23.06	22.18	21.04	21.17	21.26
28	23.55	23.51	23.32	---	23.75	23.61	23.31	23.08	22.17	20.94	21.74	21.26
29	23.54	23.49	23.39	---	23.75	23.69	23.34	23.08	22.16	20.87	22.20	21.26
30	23.58	23.44	23.40	---	---	23.75	23.39	23.04	22.15	20.84	22.61	21.22
31	23.65	---	23.45	---	---	23.75	---	22.80	---	20.79	23.08	---
TOTAL	741.07	705.94	727.23	---	---	736.88	706.78	720.70	675.69	---	647.45	656.54
MEAN	23.91	23.53	23.46	---	---	23.77	23.56	23.25	22.52	---	20.89	21.88
MAX	24.43	23.69	23.58	---	---	23.95	23.77	23.43	22.97	---	23.08	23.45
MIN	23.54	23.36	23.32	---	---	23.61	23.31	22.80	22.15	---	20.46	21.22

143-054-08BBB2



GROUND-WATER LEVELS
NETWORK SITES--Continued
CAVALIER COUNTY

484534098254401. Local number, 161-060-21BBB.

LOCATION.--Lat 48°45'34", long 98°25'44", Hydrologic Unit 09020313. Owner: North Dakota State Water Commission.

AQUIFER.--Pierre Shale.

WELL CHARACTERISTICS.--Drilled observation well, depth 40 ft, cased with 10 ft of 4-in diameter steel pipe, open ended.

INSTRUMENTATION.--Measured using a steel tape.

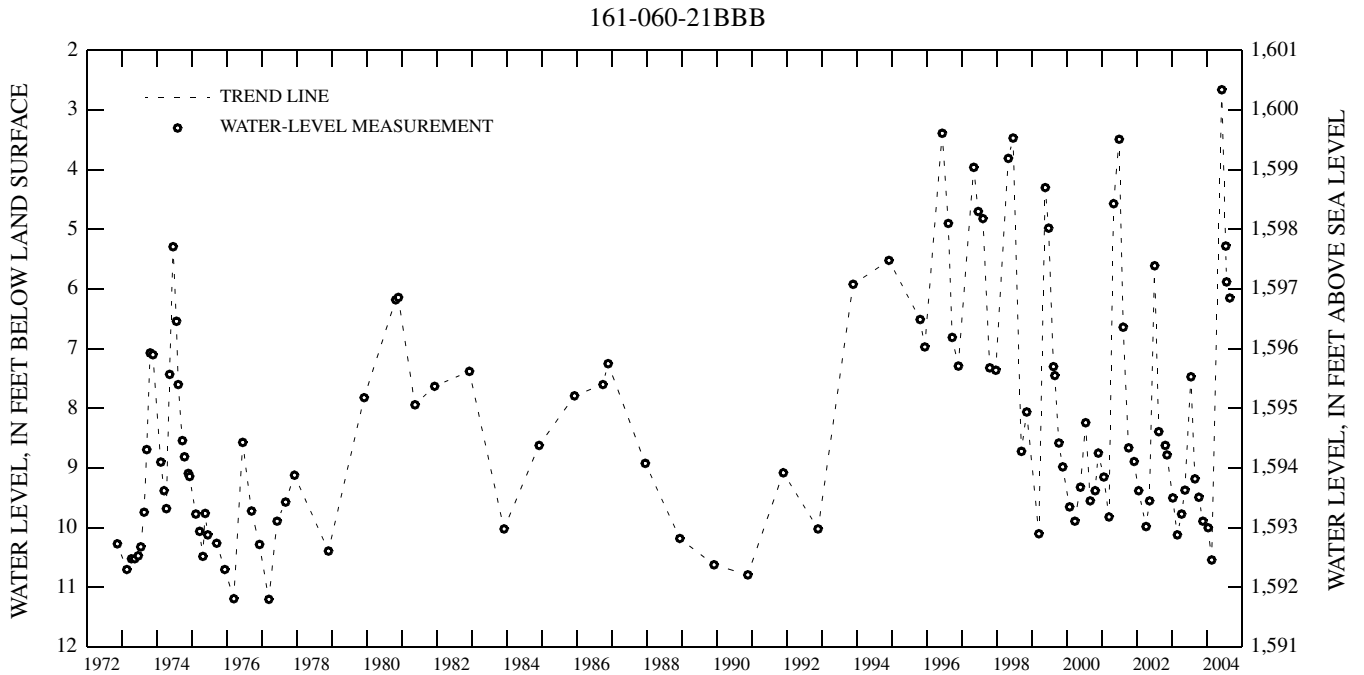
DATUM.--Altitude of land-surface datum is 1,603 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

PERIOD OF RECORD.--November 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.66 ft below land-surface datum, June 2, 2004; lowest water level, 11.20 ft below land-surface datum, March 9, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 07	9.49	JAN 12	10.00	JUN 02	2.66	JUL 13	5.28	JUL 22	5.88	AUG 24	6.15
NOV 17	9.89	FEB 18	10.54								
WATER YEAR 2004		HIGHEST	2.66	JUN 02, 2004	LOWEST	10.54	FEB 18, 2004				



NETWORK SITES--Continued

CAVALIER COUNTY--Continued

484444098504301. Local number, 161-063-29BBB.

LOCATION.--Lat 48°44'44", long 98°50'43", Hydrologic Unit 09020201. Owner: North Dakota State Water Commission.

AQUIFER.--Munich.

WELL CHARACTERISTICS.--Drilled observation well, depth 160 ft, cased with 133 ft of 1.25-in diameter plastic pipe, slotted 113 to 133 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

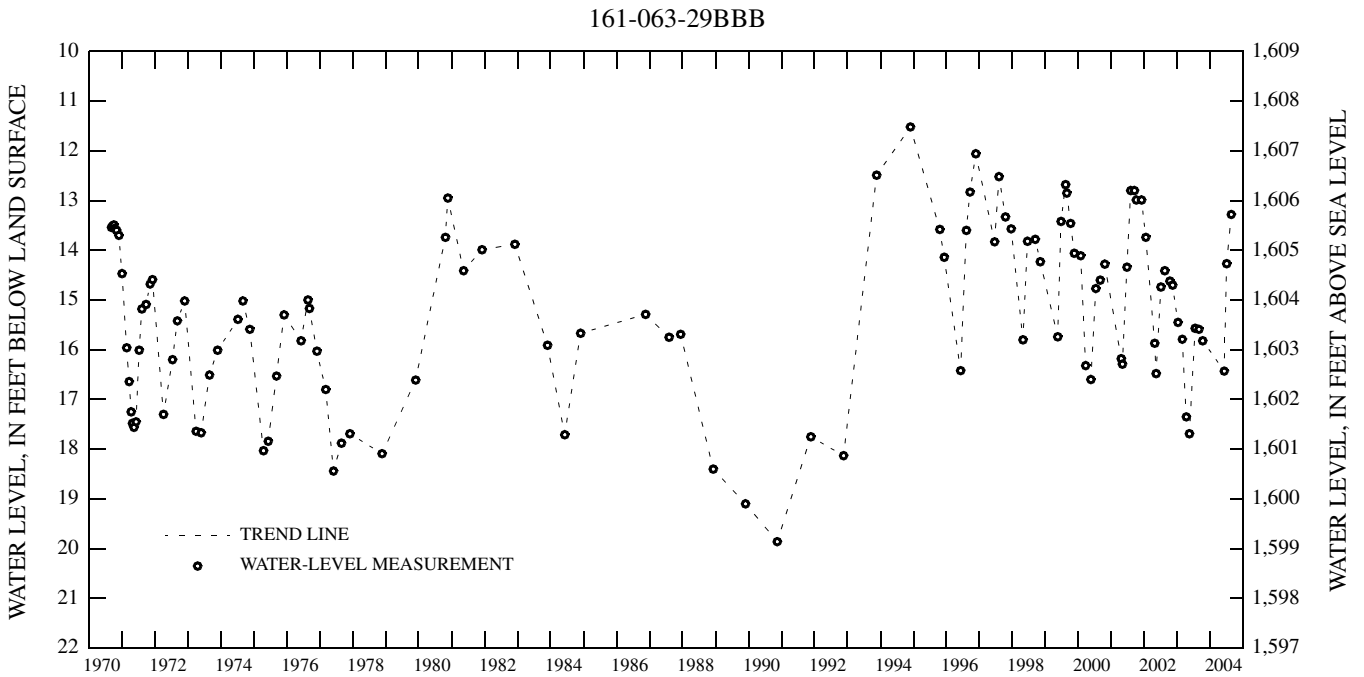
DATUM.--Altitude of land-surface datum is 1,619 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 11.52 ft below land-surface datum, November 28, 1994; lowest water level, 19.86 ft below land-surface datum, November 15, 1990.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 07	15.82	JUN 02	16.43	JUN 29	14.27	AUG 19	13.28
WATER YEAR 2004		HIGHEST	13.28	AUG 19, 2004	LOWEST	16.43	JUN 02, 2004



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 DICKEY COUNTY

460830098224701. Local number, 131-062-24DDD1.

LOCATION.--Lat 46°08'30", long 98°22'47", Hydrologic Unit 10160004. Owner: North Dakota State Water Commission.

AQUIFER.--Nortonville.

WELL CHARACTERISTICS.--Drilled observation well, depth 300 ft, cased with 190 ft of 1.25-in diameter plastic pipe, No. 12 slot screen set 190 to 196 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

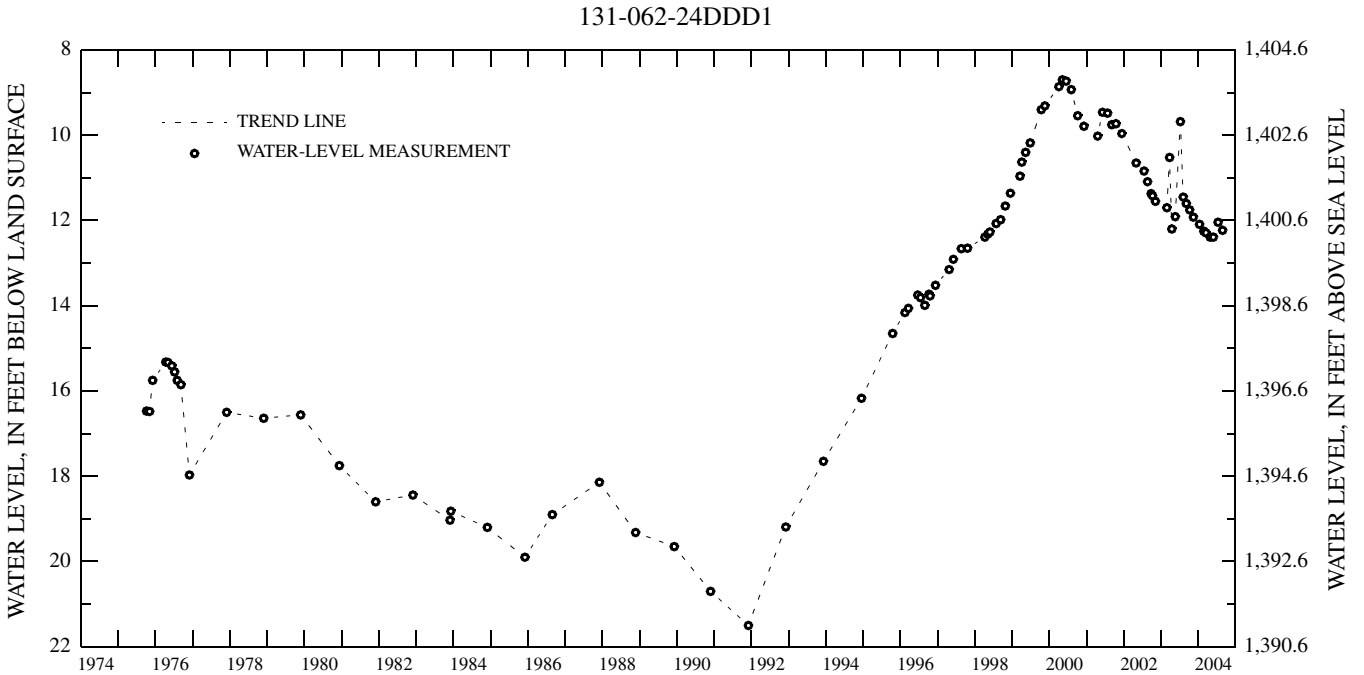
DATUM.--Altitude of land-surface datum is 1,412.6 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

PERIOD OF RECORD.--October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.70 ft below land-surface datum, May 8, 2000; lowest water level, 21.50 ft below land-surface datum, December 3, 1991.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	11.75	JAN 12	12.09	MAR 16	12.29	MAY 26	12.39	JUL 12	12.04	AUG 25	12.23
NOV 13	11.92	FEB 24	12.25	APR 27	12.39						
WATER YEAR 2004		HIGHEST	11.75	OCT 08, 2003	LOWEST	12.39	APR 27, 2004	MAY 26, 2004			



NETWORK SITES--Continued

DICKEY COUNTY--Continued

460830098224702. Local number, 131-062-24DDD2.

LOCATION.--Lat 46°08'30", long 98°22'47", Hydrologic Unit 10160004. Owner: North Dakota State Water Commission.

AQUIFER.--Ellendale.

WELL CHARACTERISTICS.--Drilled observation well, depth 100 ft, cased with 78 ft of 1.25-in diameter plastic pipe, No. 18 slot screen set 78 to 81 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

DATUM.--Altitude of land-surface datum is 1,412.5 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

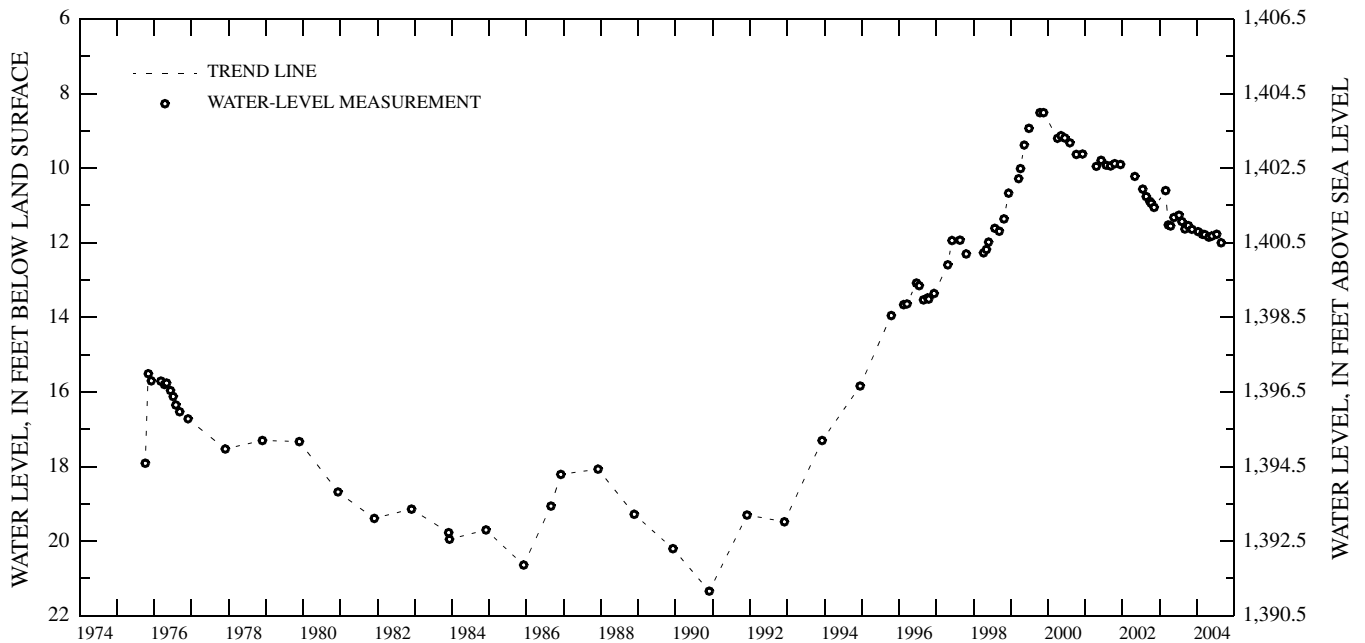
PERIOD OF RECORD.--October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.51 ft below land-surface datum, October 14, 1999, and November 18, 1999; lowest water level, 21.34 ft below land-surface datum, November 27, 1990.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	11.54	JAN 12	11.70	MAR 16	11.78	MAY 26	11.82	JUL 12	11.77	AUG 25	12.00
NOV 13	11.64	FEB 24	11.77	APR 27	11.85						
WATER YEAR 2004		HIGHEST	11.54	OCT 08, 2003	LOWEST	12.00	AUG 25, 2004				

131-062-24DDD2



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 DIVIDE COUNTY

484746104015901. Local number, 161-103-02CCB.

LOCATION.--Lat 48°47'46", long 104°01'59", Hydrologic Unit 10060007. Owner: North Dakota State Water Commission.

AQUIFER.--Skjermo Lake.

WELL CHARACTERISTICS.--Drilled observation well, depth 200 ft, cased with 91 ft of 5-in diameter steel pipe, No. 18 slot screen set 91 to 96 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape October 1997 to current year. Water-level recorder June 1982 to September 1997, daily maximum and minimum recorded water levels also are available.

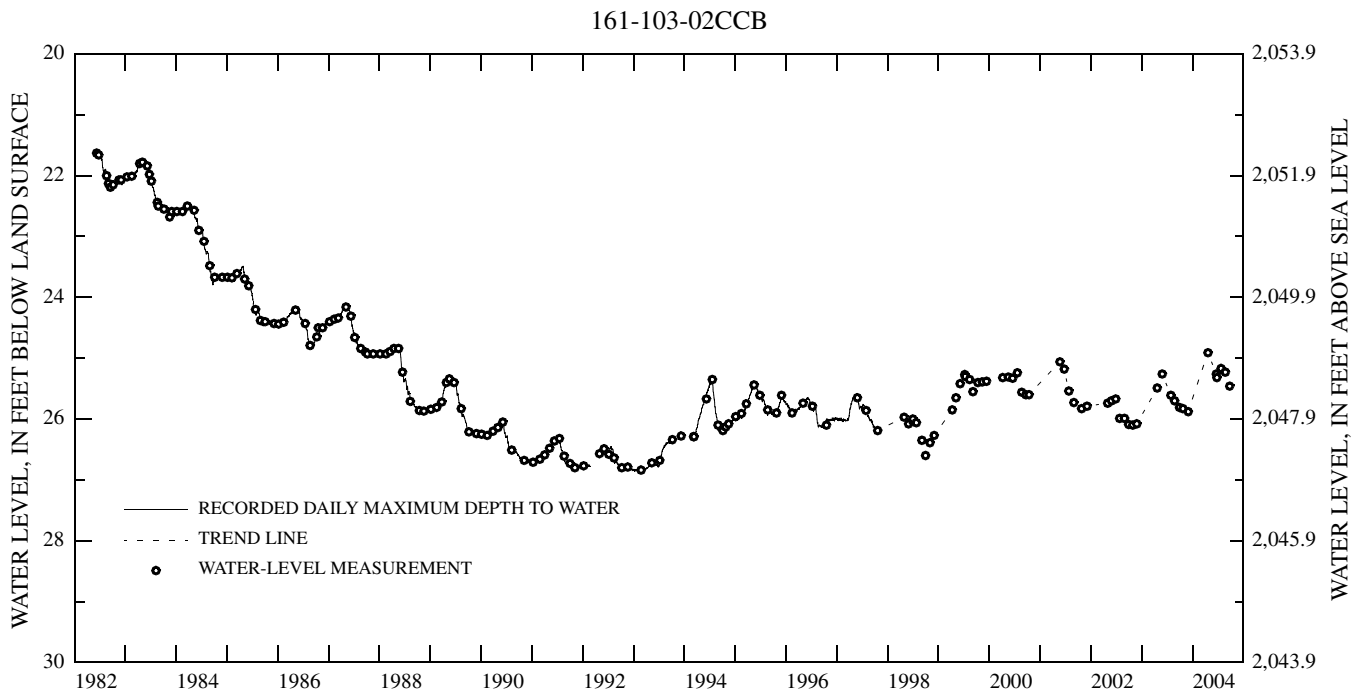
DATUM.--Altitude of land-surface datum is 2,073.9 ft. Measuring point: Top of casing 2.33 ft above land-surface datum.

PERIOD OF RECORD.--June 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 21.61 ft below land-surface datum, July 2 and 5, 1982; lowest water level, 26.87 ft below land-surface datum, March 3-6, 9-12, and 16-17, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	25.83	APR 20	24.91	JUN 23	25.32	JUL 23	25.17	AUG 22	25.23	SEP 23	25.46
NOV 30	25.88	JUN 19	25.26								
WATER YEAR 2004		HIGHEST	24.91	APR 20, 2004		LOWEST	25.88	NOV 30, 2003			



NETWORK SITES--Continued

DIVIDE COUNTY--Continued

485432103151701. Local number, 163-097-34ABB.

LOCATION.--Lat 48°54'32", long 103°15'17", Hydrologic Unit 09010001. Owner: North Dakota State Water Commission.

AQUIFER.--Crosby.

WELL CHARACTERISTICS.--Drilled observation well, depth 400 ft, cased with 366 ft of 2-in diameter steel pipe, No. 18 slot screen set 366 to 378 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

DATUM.--Altitude of land-surface datum is 1,952 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1972 to August 1995 and November 2002 to current year.

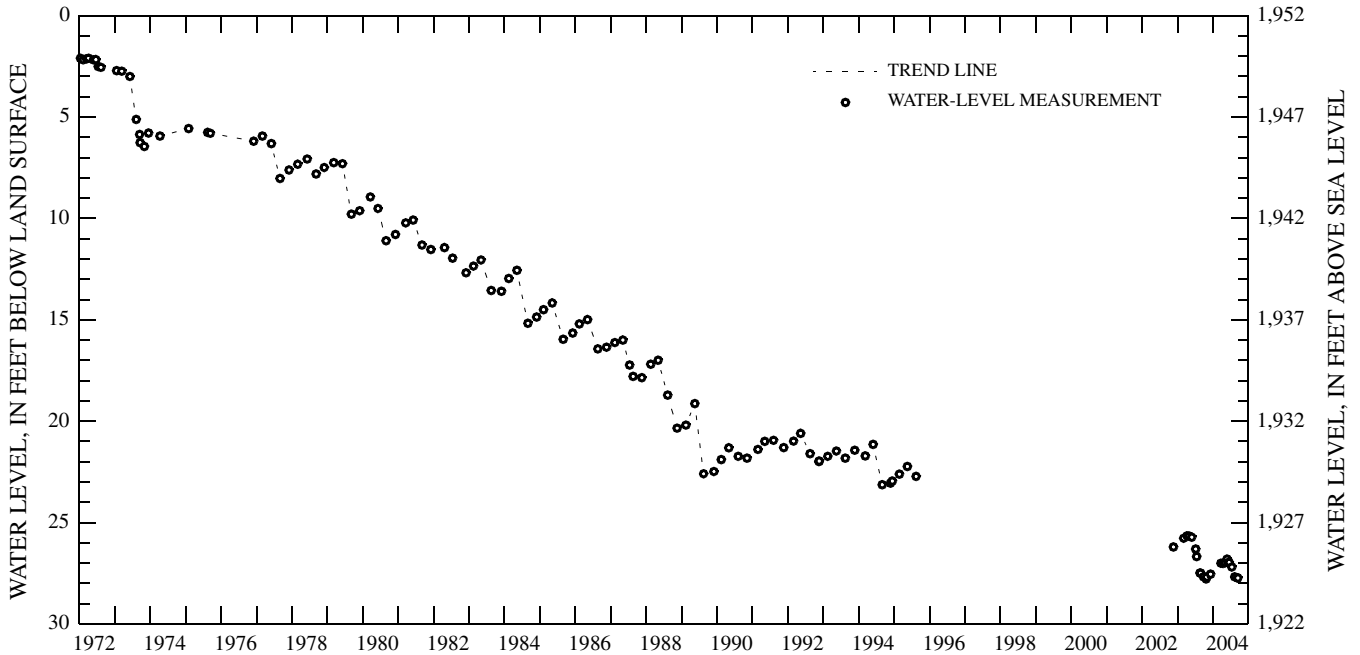
REMARKS.--Replaces well 163-097-27CCC, which became plugged.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.10 ft below land-surface datum, January 11 and April 4, 1972; lowest water level, 27.78 ft below land-surface datum, October 23, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	27.78	MAR 24	27.00	MAY 05	26.97	JUN 08	26.97	JUL 14	27.19	SEP 09	27.72
OCT 29	27.68	APR 15	27.01	MAY 26	26.80	JUN 16	26.96	AUG 12	27.67	SEP 14	27.73
DEC 08	27.54										
WATER YEAR 2004		HIGHEST	26.80	MAY 26, 2004	LOWEST	27.78	OCT 23, 2003				

163-097-34ABB



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 DUNN COUNTY

471323102290101. Local number, 143-093-09BCB.

LOCATION.--Lat 47°13'23", long 102°29'01", Hydrologic Unit 10130201. Owner: North Dakota State Water Commission.

AQUIFER.--Sentinel Butte.

WELL CHARACTERISTICS.--Drilled observation well, depth 965 ft, cased with 378 ft of 2-in diameter steel pipe, No. 12 slot screen set 378 to 396 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

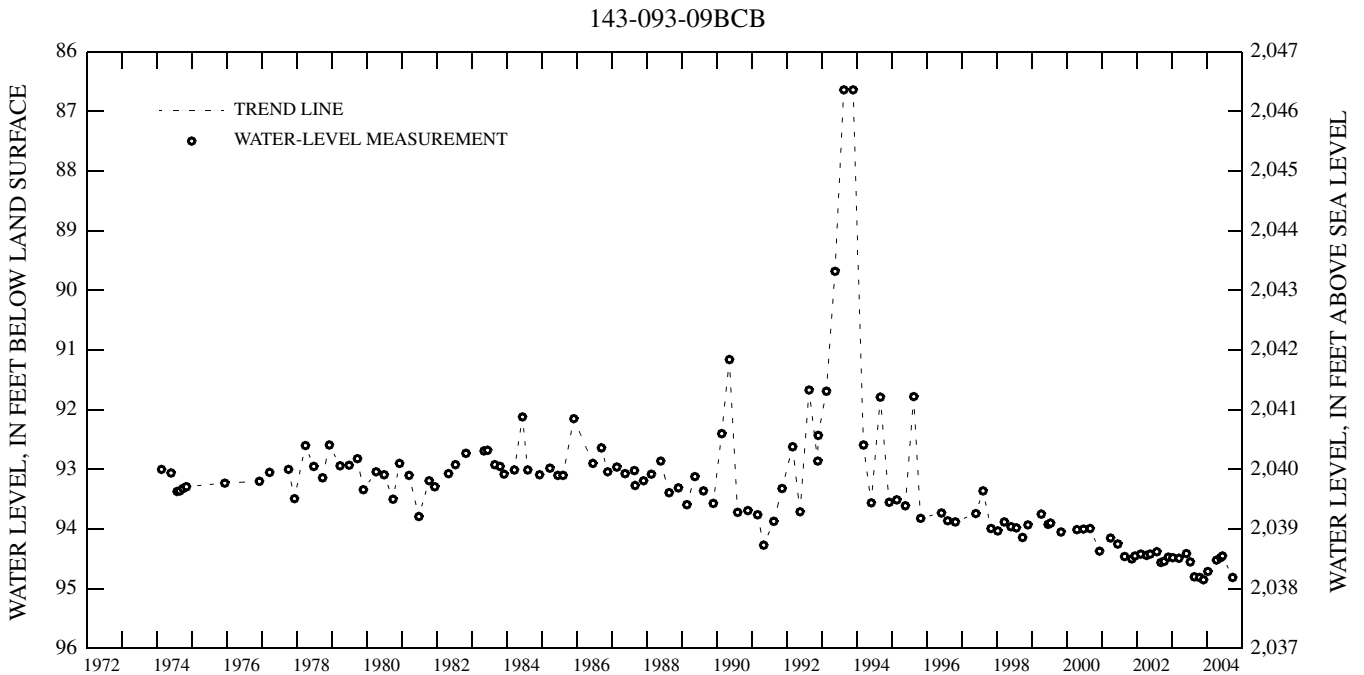
DATUM.--Altitude of land-surface datum is 2,133 ft. Measuring point: Top of casing 2.10 ft above land-surface datum.

PERIOD OF RECORD.--February 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 86.64 ft below land-surface datum, August 14, 1993, and November 19, 1993; lowest water level, 94.85 ft below land-surface datum, November 24, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	94.81	JAN 08	94.71	APR 08	94.52	MAY 21	94.48	JUN 09	94.45	SEP 23	94.81
NOV 24	94.85										
WATER YEAR 2004		HIGHEST	94.45	JUN 09, 2004		LOWEST	94.85	NOV 24, 2003			



NETWORK SITES--Continued

DUNN COUNTY--Continued

472144102453402. Local number, 145-095-22DAD2.

LOCATION.--Lat 47°21'44", long 102°45'34", Hydrologic Unit 10130201. Owner: North Dakota State Water Commission.

AQUIFER.--Killdeer.

WELL CHARACTERISTICS.--Drilled observation well, depth 160 ft, cased with 157 ft of 1.25-in diameter plastic pipe, No. 18 slot screen set 157 to 160 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

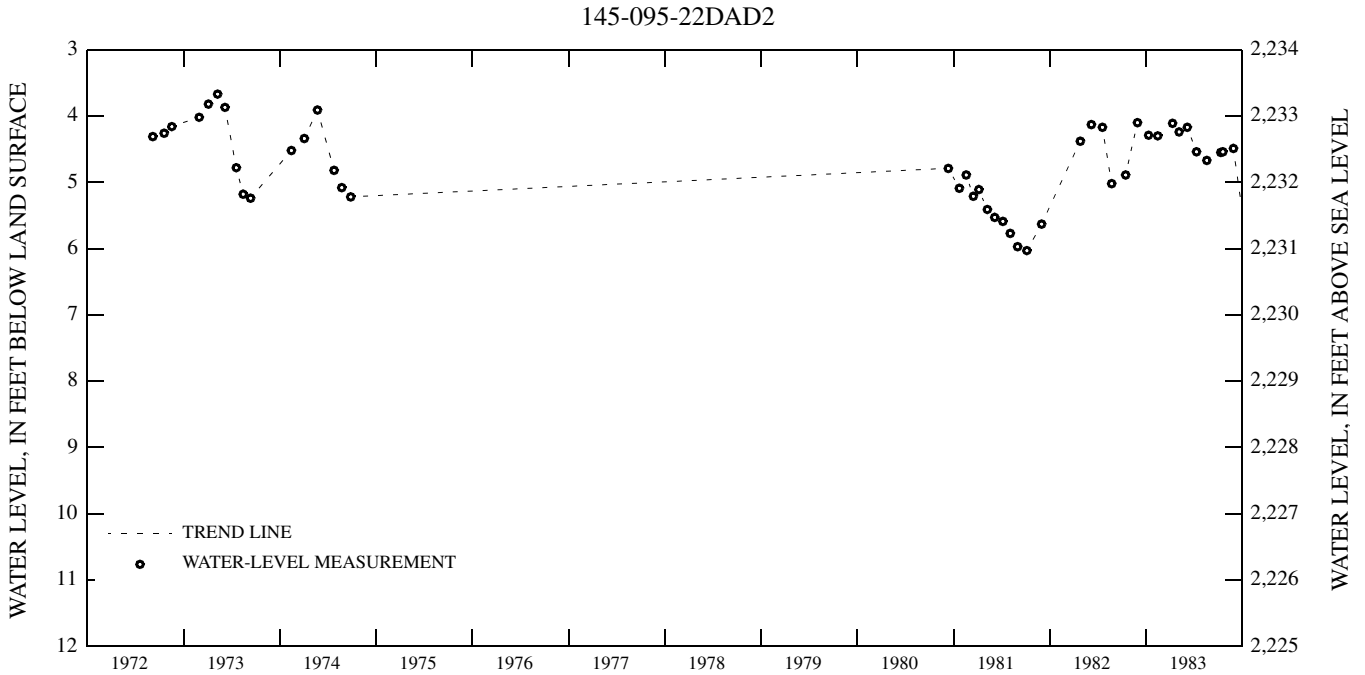
DATUM.--Altitude of land-surface datum is 2,237 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.67 ft below land-surface datum, May 9, 1973; lowest water level, 11.78 ft below land-surface datum, September 4, 1990.

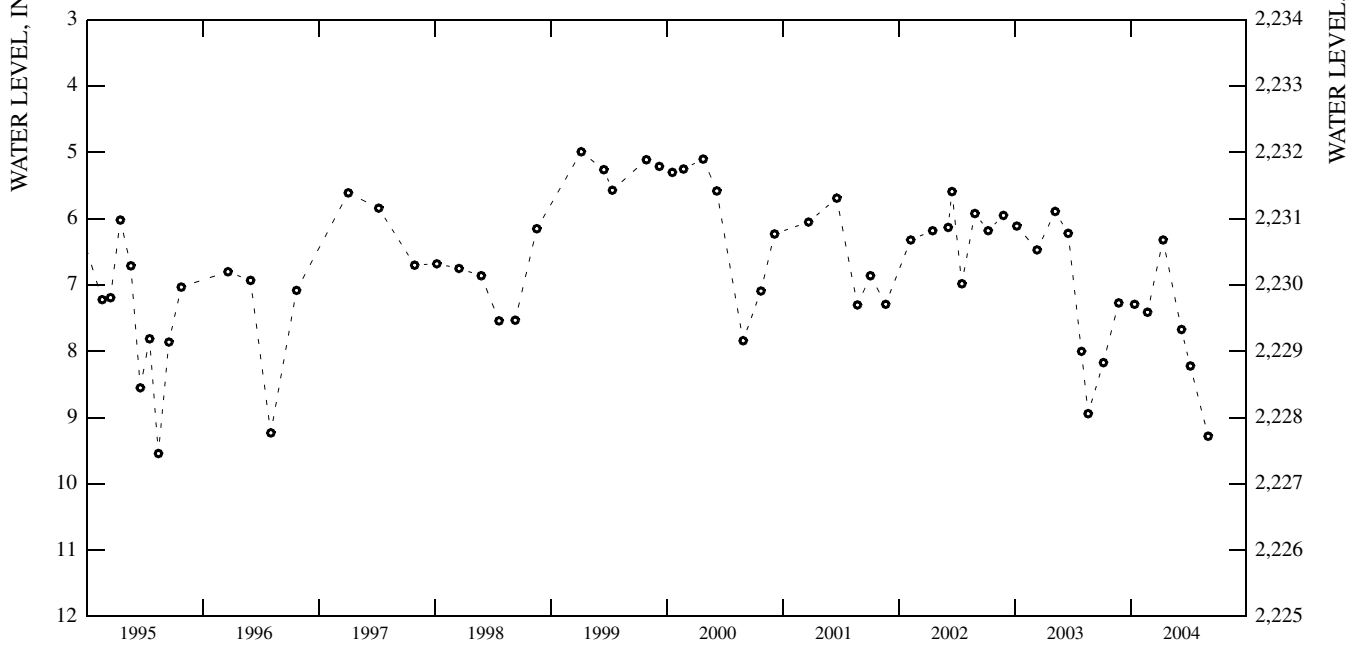
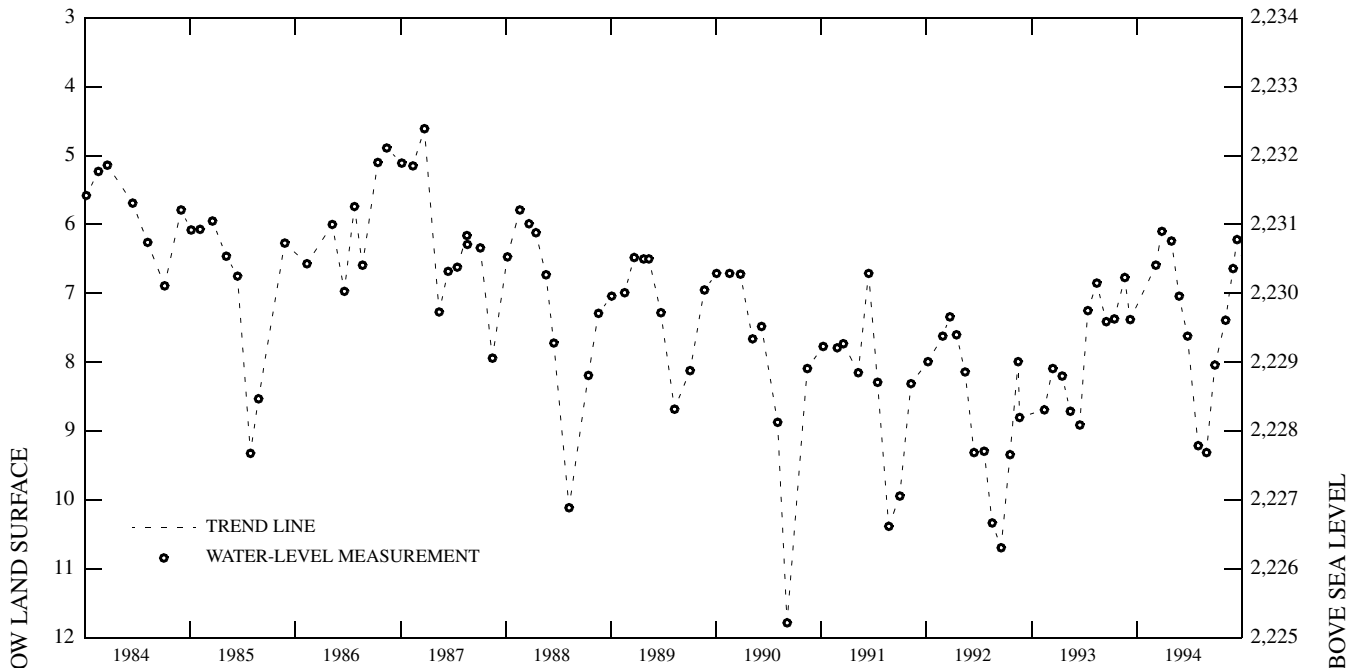
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 07	8.17	JAN 13	7.29	APR 12	6.32	JUN 09	7.67	JUL 07	8.22	SEP 01	9.28
NOV 24	7.27	FEB 23	7.41								
WATER YEAR 2004		HIGHEST	6.32	APR 12, 2004		LOWEST	9.28	SEP 01, 2004			



GROUND-WATER LEVELS
NETWORK SITES--Continued
DUNN COUNTY--Continued

145-095-22DAD2--Continued



NETWORK SITES--Continued

DUNN COUNTY--Continued

472144102453403. Local number, 145-095-22DAD3.

LOCATION.--Lat 47°21'44", long 102°45'34", Hydrologic Unit 10130201. Owner: North Dakota State Water Commission.

AQUIFER.--Killdeer.

WELL CHARACTERISTICS.--Drilled observation well, depth 54 ft, cased with 49 ft of 4-in diameter plastic pipe, No. 18 slot screen set 49 to 54 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

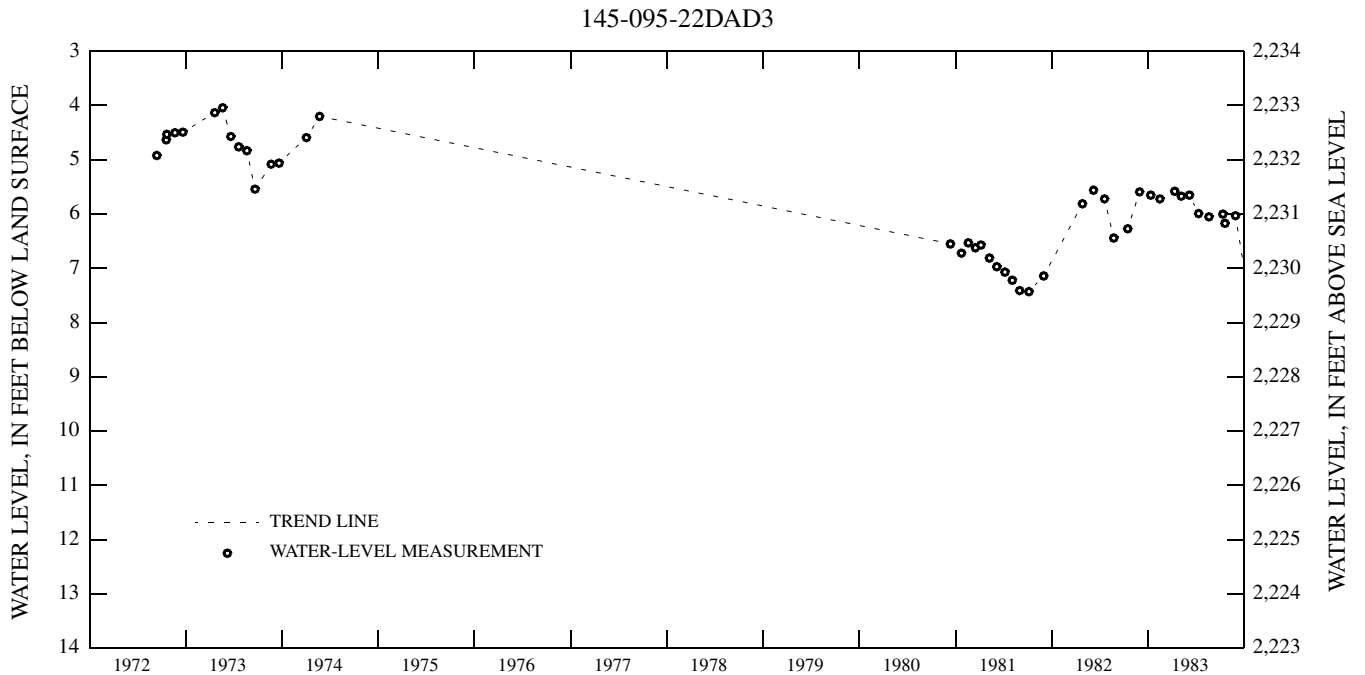
DATUM.--Altitude of land-surface datum is 2,237 ft. Measuring point: Top of casing 0.50 ft above land-surface datum.

PERIOD OF RECORD.--September 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.04 ft below land-surface datum, May 20, 1973; lowest water level, 13.07 ft below land-surface datum, September 4, 1990.

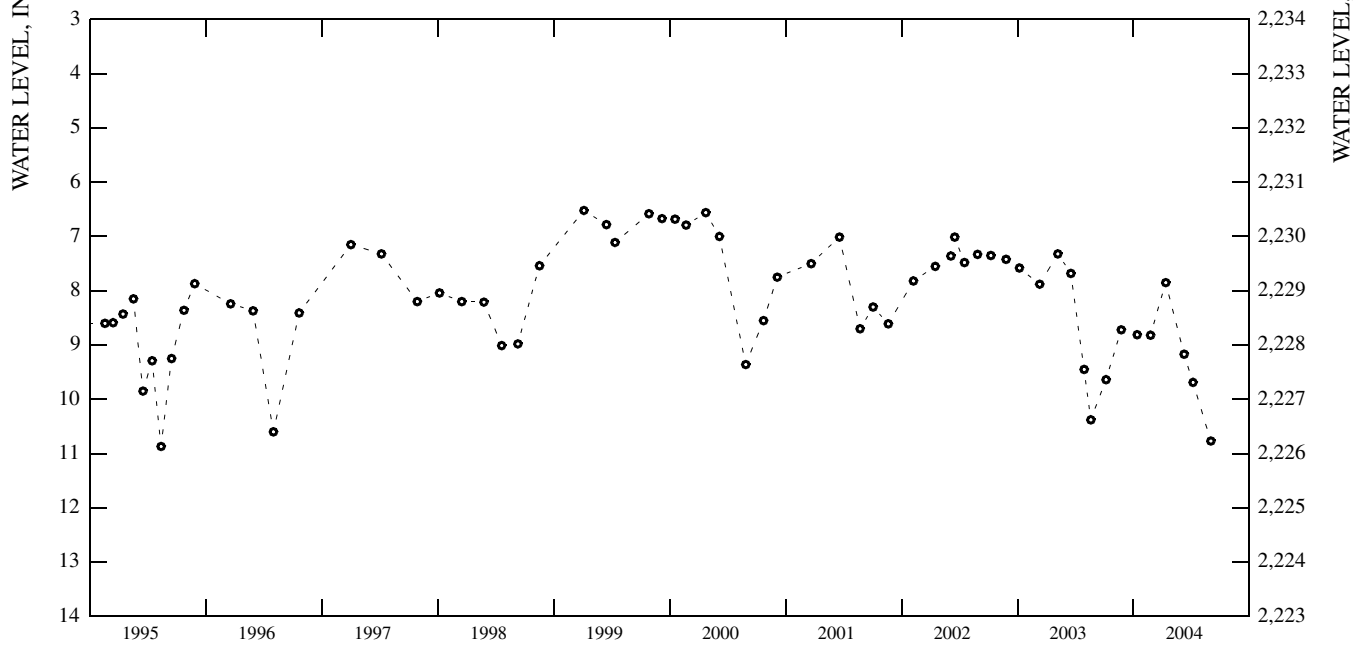
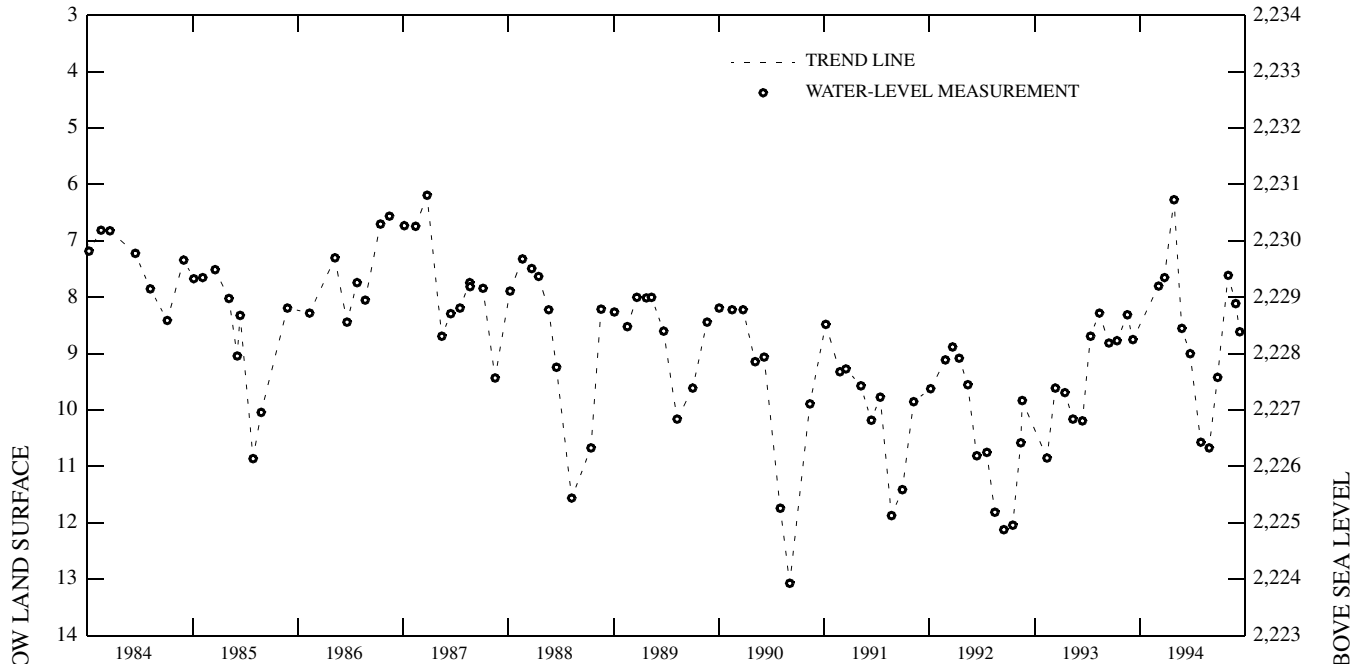
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 07	9.64	JAN 13	8.81	APR 12	7.85	JUN 09	9.17	JUL 07	9.69	SEP 01	10.77
NOV 24	8.72	FEB 24	8.82								
WATER YEAR 2004		HIGHEST	7.85	APR 12, 2004		LOWEST	10.77	SEP 01, 2004			



GROUND-WATER LEVELS
NETWORK SITES--Continued
DUNN COUNTY--Continued

145-095-22DAD3--Continued



NETWORK SITES--Continued

DUNN COUNTY--Continued

472537102144801. Local number, 146-091-35BBC.

LOCATION.--Lat 47°25'37", long 102°14'48", Hydrologic Unit 10110205. Owner: North Dakota State Water Commission.

AQUIFER.--Goodman Creek.

WELL CHARACTERISTICS.--Drilled observation well, depth 320 ft, cased with 218 ft of 1.25-in diameter plastic pipe, No. 18 slot screen set 218 to 221 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

DATUM.--Altitude of land-surface datum is 2,020 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

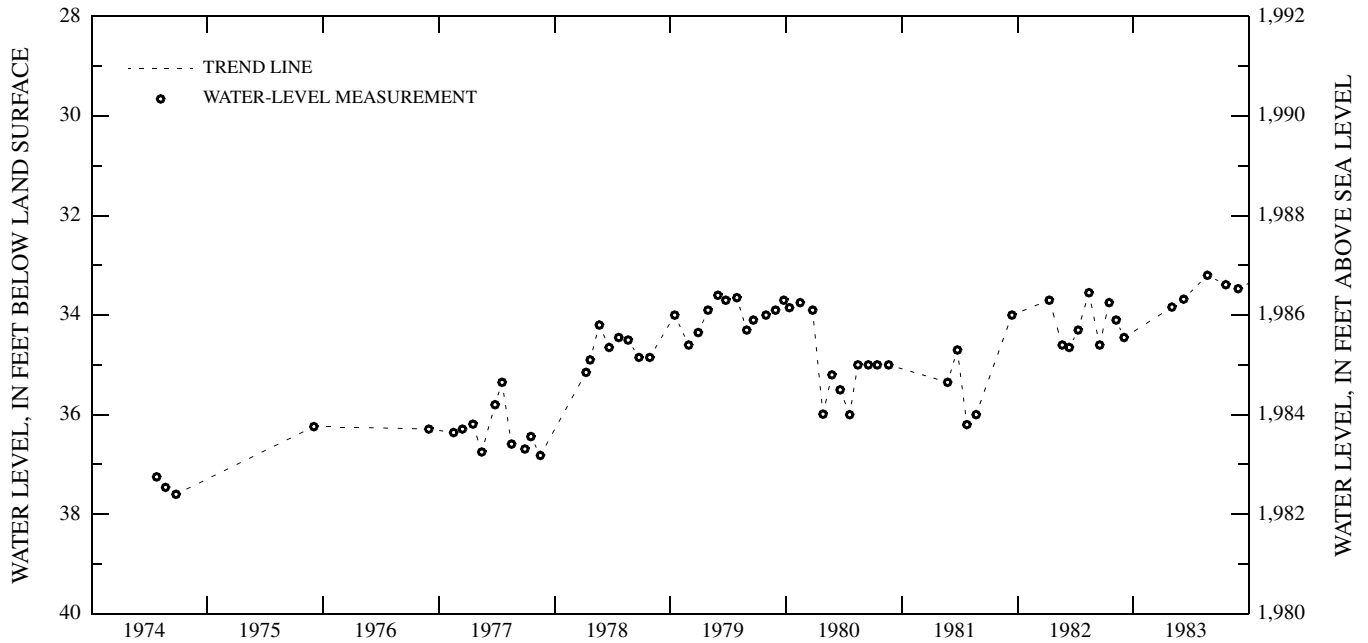
PERIOD OF RECORD.--July 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 29.97 ft below land-surface datum, May 14, 1987; lowest water level, 37.60 ft below land-surface datum, September 24, 1974.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

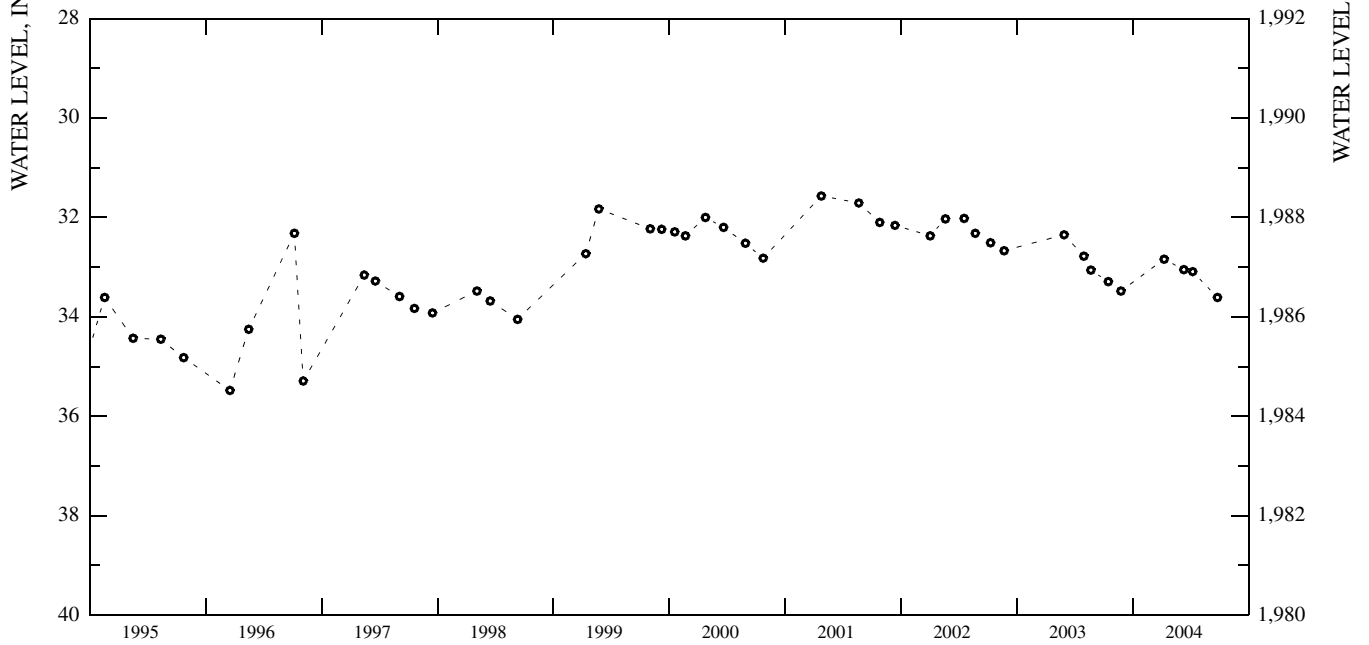
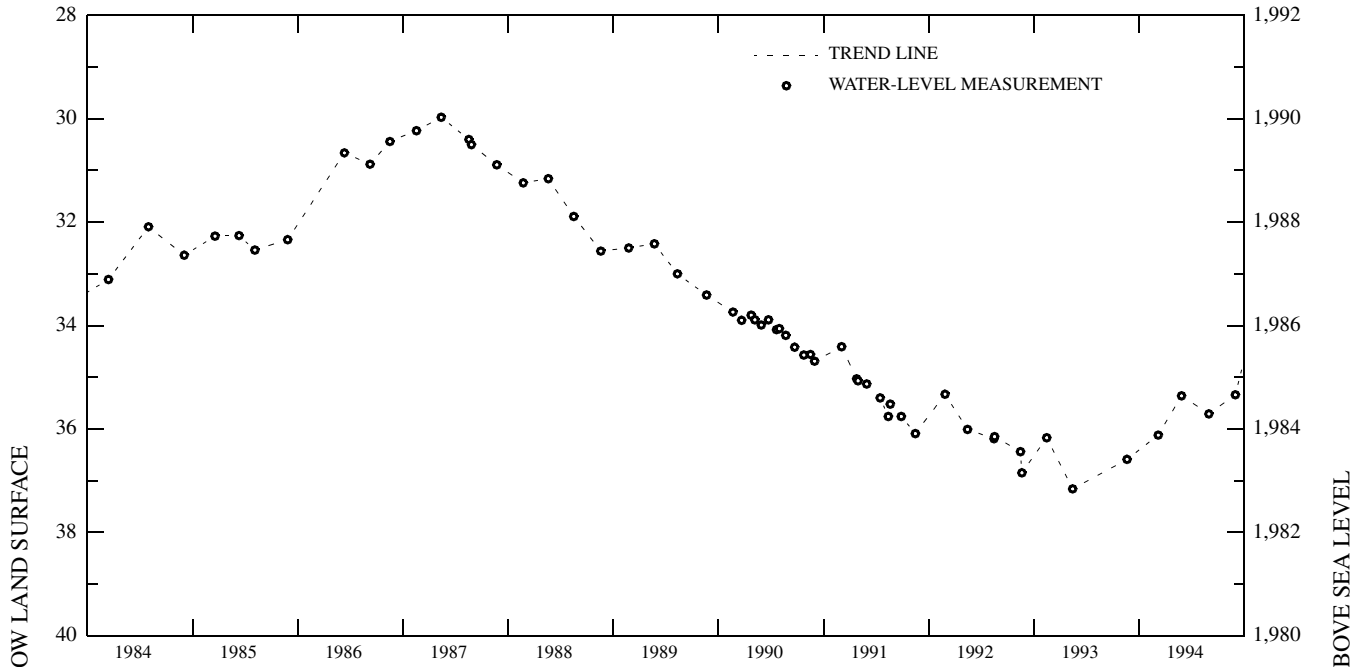
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	33.29	NOV 24	33.48	APR 08	32.84	JUN 09	33.05	JUL 07	33.09	SEP 23	33.61
WATER YEAR 2004		HIGHEST	32.84	APR 08, 2004		LOWEST	33.61	SEP 23, 2004			

146-091-35BBC



GROUND-WATER LEVELS
NETWORK SITES--Continued
DUNN COUNTY--Continued

146-091-35BBC--Continued



NETWORK SITES--Continued

EDDY COUNTY

473934099032301. Local number, 148-066-03DDC.

LOCATION.--Lat 47°39'34", long 99°03'23", Hydrologic Unit 10160001. Owner: North Dakota State Water Commission.

AQUIFER.--New Rockford.

WELL CHARACTERISTICS.--Drilled observation well, depth 252 ft, cased with 218 ft of 1.25-in diameter plastic pipe, slotted 210 to 218 ft below land-surface datum.

INSTRUMENTATION.--Measured using an electric tape.

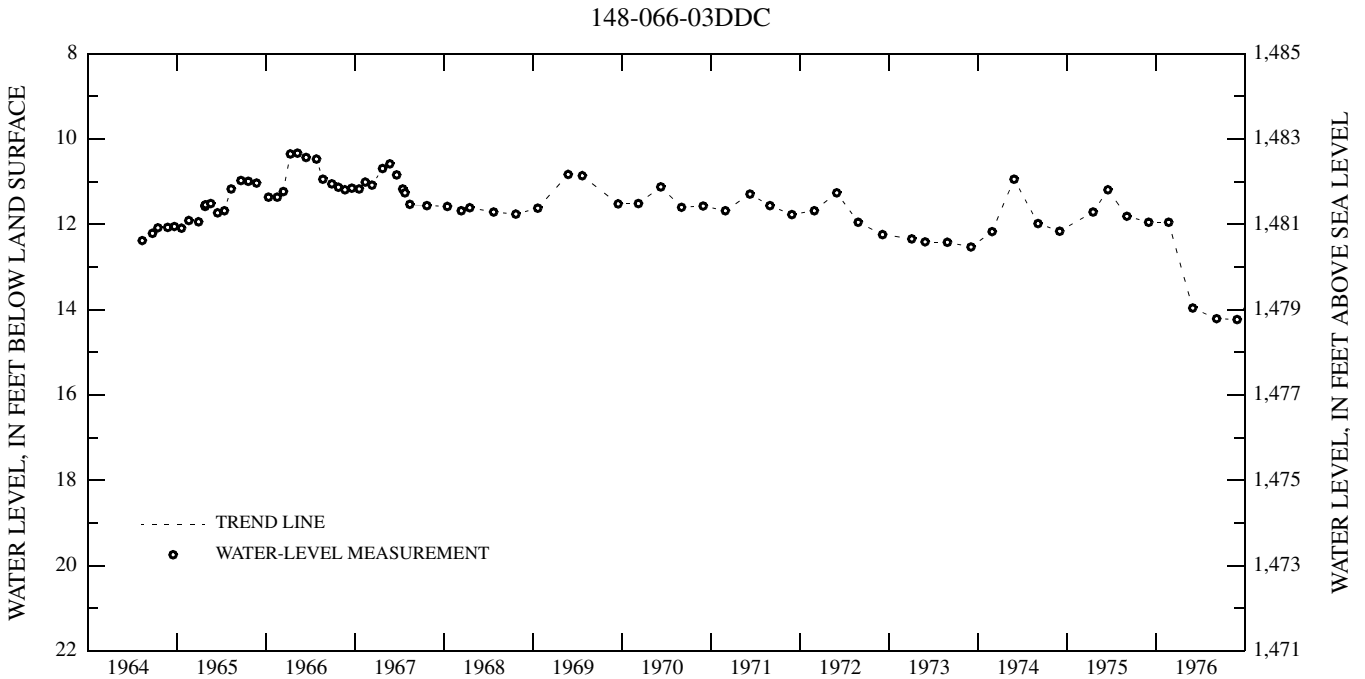
DATUM.--Altitude of land-surface datum is 1,493 ft. Measuring point: Top of casing 4.00 ft above land-surface datum.

PERIOD OF RECORD.--August 1964 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 9.50 ft below land-surface datum, May 1, 2001; lowest water level, 21.44 ft below land-surface datum, August 1, 1978.

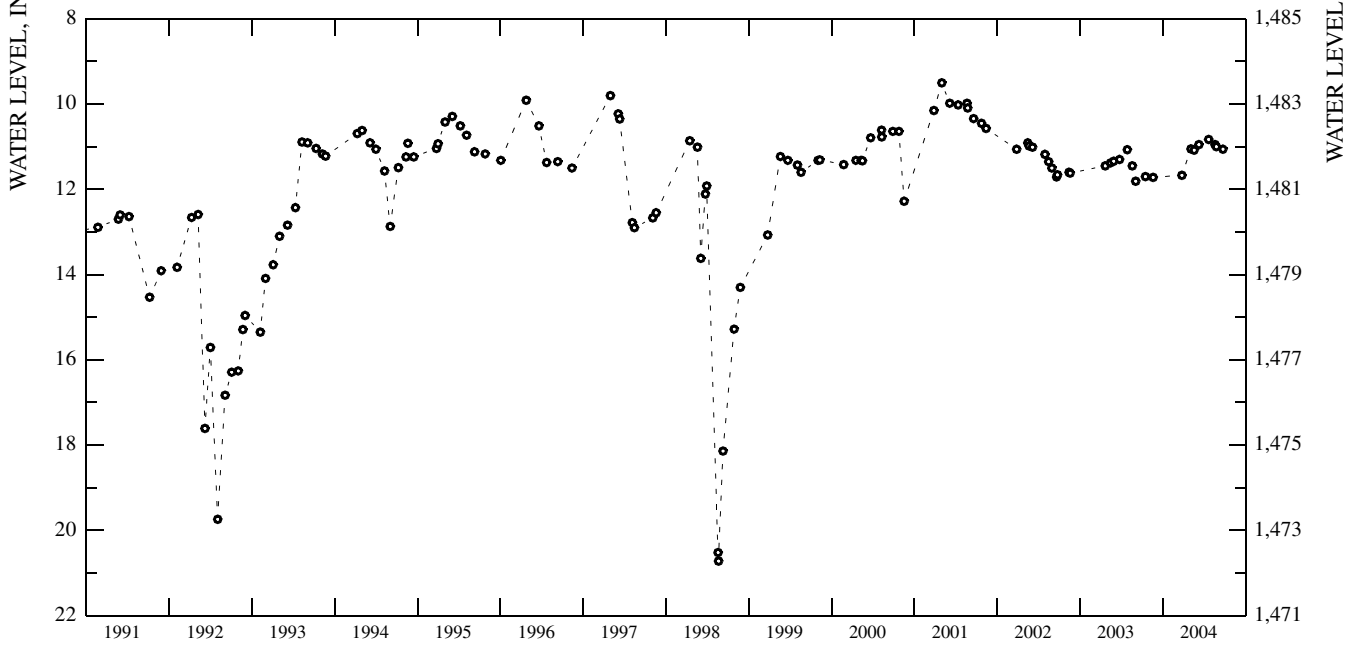
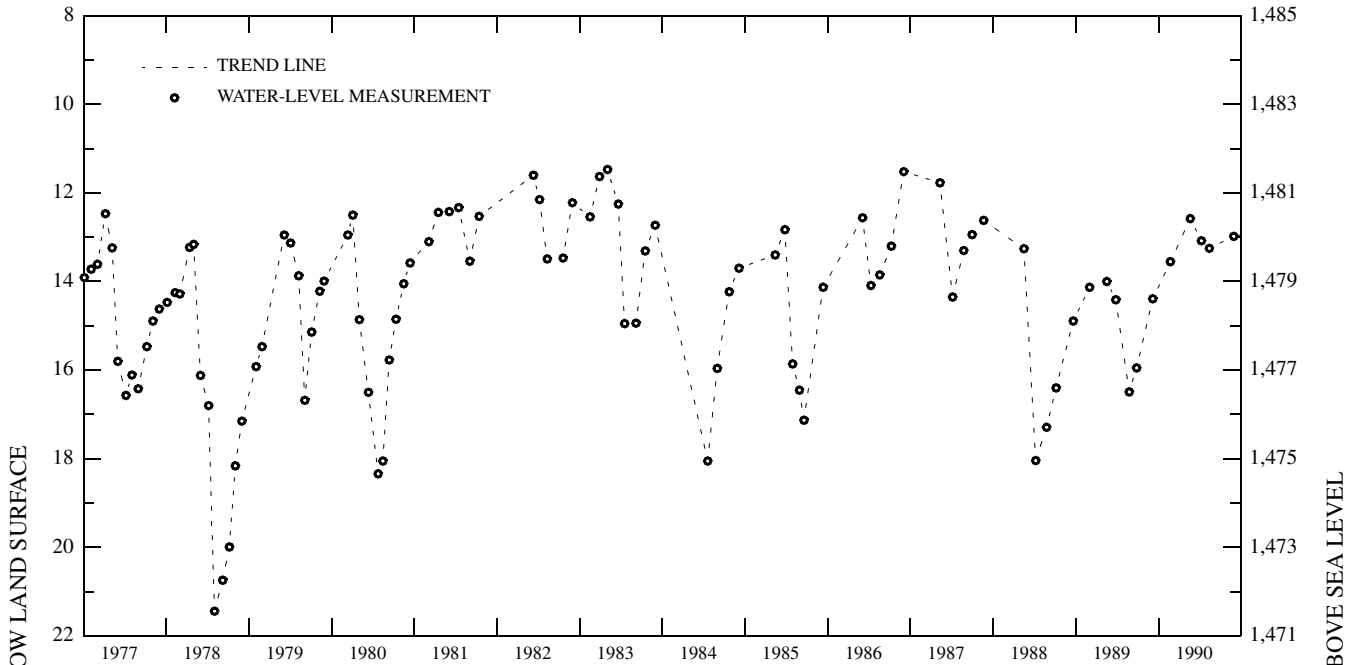
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	11.70	MAR 25	11.67	MAY 18	11.08	JUL 21	10.83	AUG 24	11.00	SEP 22	11.06
NOV 19	11.72	MAY 04	11.05	JUN 08	10.95	AUG 18	10.95				
WATER YEAR 2004		HIGHEST	10.83	JUL 21, 2004		LOWEST	11.72	NOV 19, 2003			



GROUND-WATER LEVELS
NETWORK SITES--Continued
EDDY COUNTY--Continued

148-066-03DDC--Continued



NETWORK SITES--Continued

EMMONS COUNTY

462539100061101. Local number, 134-075-15BBB.

LOCATION.--Lat 46°25'39", long 100°06'11", Hydrologic Unit 10130103. Owner: North Dakota State Water Commission.

AQUIFER.--Fox Hills.

WELL CHARACTERISTICS.--Drilled observation well, depth 280 ft, cased with 97 ft of 1.25-in diameter plastic pipe, screen set 97 to 103 ft below land-surface datum.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 2,010 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

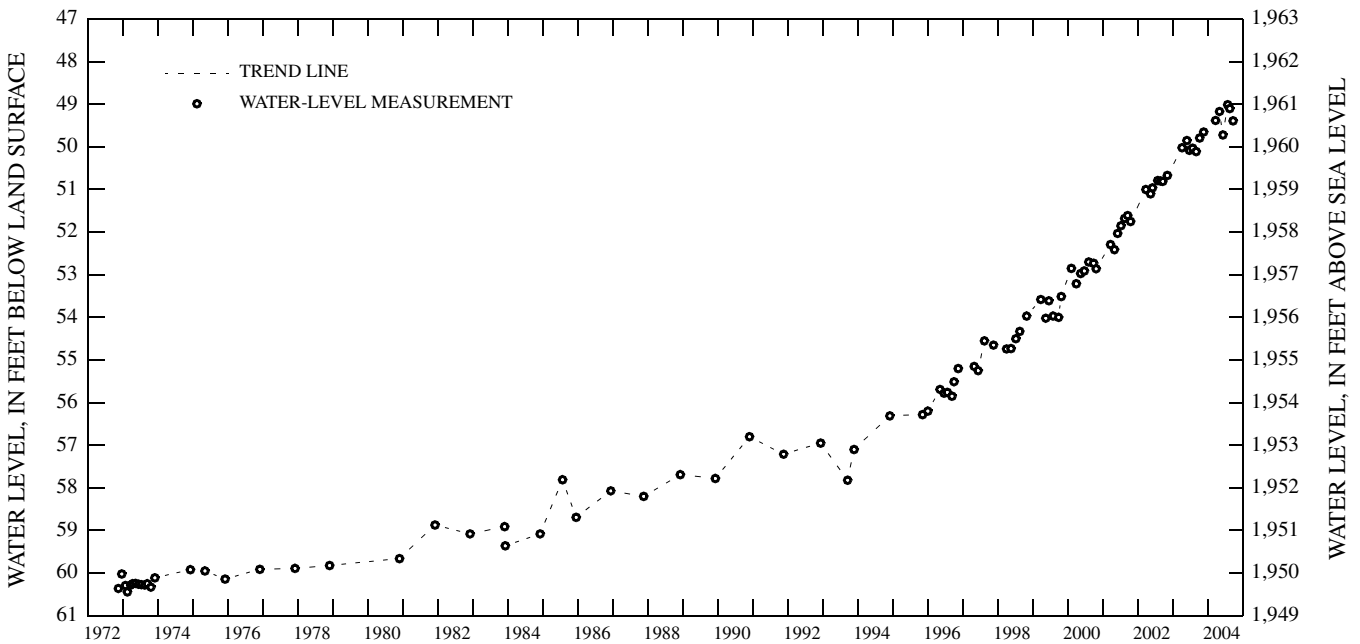
PERIOD OF RECORD.--November 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 49.01 ft below land-surface datum, July 27, 2004; lowest water level, 60.44 ft below land-surface datum, February 15, 1973.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	49.79	MAR 23	49.38	JUN 08	49.72	JUL 27	49.01	AUG 18	49.10	SEP 22	49.39
NOV 20	49.65	MAY 03	49.17								
WATER YEAR 2004		HIGHEST	49.01	JUL 27, 2004		LOWEST	49.79	OCT 09, 2003			

134-075-15BBB



GROUND-WATER LEVELS
NETWORK SITES--Continued
FOSTER COUNTY

473051099093601. Local number, 147-067-35AAA.

LOCATION.--Lat 47°30'51", long 99°09'36", Hydrologic Unit 10160001. Owner: North Dakota State Water Commission.

AQUIFER.--Carrington.

WELL CHARACTERISTICS.--Drilled observation well, depth 100 ft, cased with 77.7 ft of 8-in diameter plastic pipe, No. 18 slot screen set 77.7 to 87.7 ft below land-surface datum.

INSTRUMENTATION.--Water-level recorder July 1991 to current year, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,567.03 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

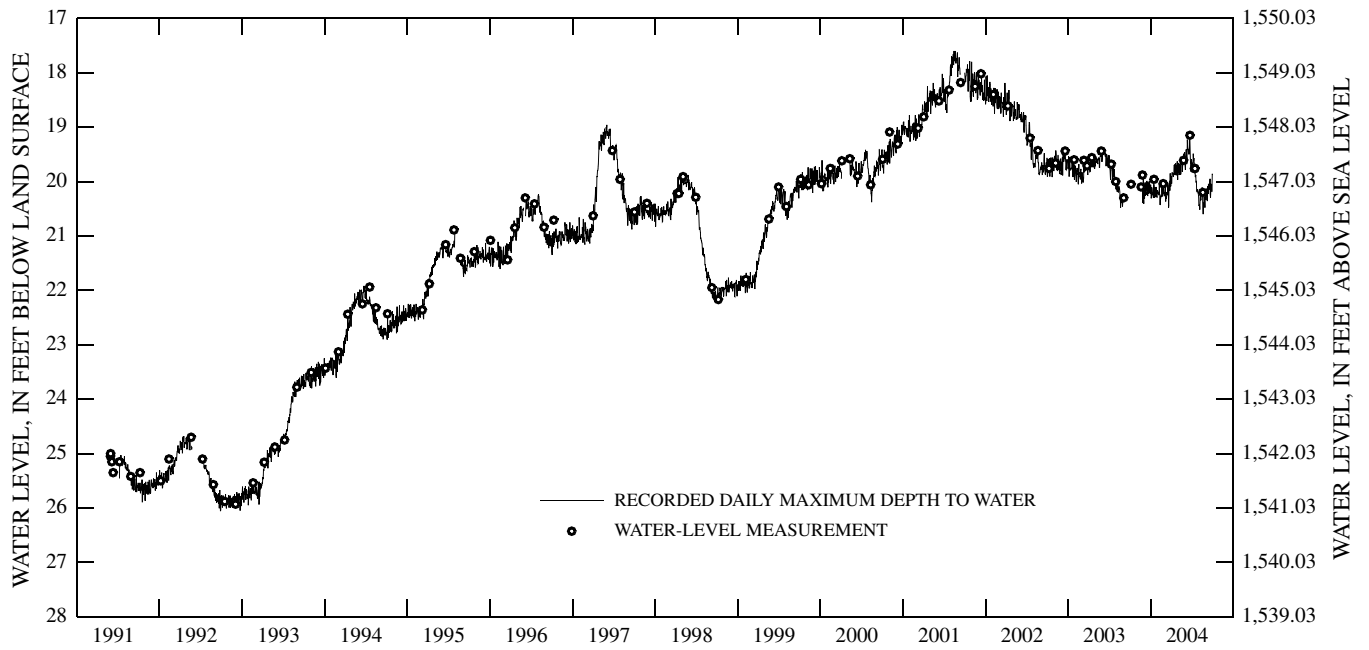
PERIOD OF RECORD.--July 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 17.42 ft below land-surface datum, August 14, 2001; lowest water level, 26.06 ft below land-surface datum, September 27, 1992.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	20.41	20.06	20.21	20.22	19.92	19.83	19.71	19.66	20.43	20.33
2	---	---	20.26	20.20	20.23	20.27	20.03	19.83	19.79	19.66	20.45	20.13
3	---	---	20.10	20.31	20.22	20.25	20.03	19.66	19.70	19.68	20.43	20.19
4	---	---	20.28	20.29	20.21	20.19	19.85	19.78	19.59	19.71	20.46	20.23
5	---	---	20.31	20.27	20.23	20.09	19.83	19.71	19.44	19.71	20.52	20.16
6	---	---	20.08	20.11	20.24	20.21	19.86	19.88	19.41	19.65	20.45	20.31
7	---	---	20.02	20.17	20.23	20.37	19.87	19.84	19.49	19.49	20.26	20.36
8	---	---	20.23	20.24	20.03	20.30	19.88	19.68	19.68	19.61	20.25	20.27
9	---	---	20.26	20.23	20.24	20.30	19.91	19.68	19.63	19.61	20.34	20.09
10	---	---	20.19	20.20	20.24	20.28	19.91	19.88	19.43	19.57	20.34	20.19
11	---	---	20.10	20.19	20.43	20.31	19.85	19.70	19.23	19.66	20.24	20.23
12	---	---	20.07	20.29	20.42	20.20	19.84	19.84	19.38	19.78	20.26	20.05
13	---	---	20.01	20.29	20.28	20.20	19.71	19.87	19.39	19.69	20.23	20.05
14	---	---	20.00	20.26	20.31	20.25	19.71	19.81	19.42	19.77	20.17	20.15
15	---	---	20.24	20.05	20.26	20.24	19.69	19.65	19.41	19.81	20.11	20.12
16	---	---	20.24	20.18	20.27	20.03	19.87	19.69	19.46	19.92	20.16	20.11
17	---	---	20.20	20.28	20.27	20.08	19.88	19.68	19.47	19.90	20.12	20.08
18	---	---	20.26	20.30	20.09	20.22	19.80	19.69	19.50	19.88	20.39	20.08
19	---	---	20.26	20.21	20.05	20.22	19.87	19.63	19.44	19.99	20.54	19.95
20	---	---	20.00	20.11	20.11	20.48	19.67	19.82	19.19	20.02	20.60	20.23
21	---	---	20.11	20.28	20.11	20.44	19.86	19.70	19.18	19.99	20.40	20.30
22	---	---	20.22	20.28	20.27	20.05	19.88	19.61	19.22	20.17	20.39	20.23
23	---	---	20.22	20.26	20.27	20.03	19.88	19.63	19.31	20.19	20.38	20.04
24	---	---	20.08	20.26	20.25	19.99	19.79	19.63	19.59	20.19	20.29	20.13
25	---	---	20.04	20.10	20.20	20.08	19.71	19.65	19.65	20.19	20.28	20.13
26	---	20.11	20.06	20.23	20.08	20.17	19.82	19.49	19.70	20.15	20.38	20.05
27	---	20.39	19.99	20.28	20.17	19.85	19.63	19.65	19.82	20.15	20.48	20.19
28	---	20.39	20.21	20.29	20.23	19.98	19.88	19.65	19.81	20.21	20.47	20.16
29	---	19.91	20.21	20.29	20.20	20.08	19.97	19.57	19.59	20.21	20.26	19.86
30	---	20.30	20.11	20.21	---	20.09	19.85	19.46	19.61	20.26	20.32	19.88
31	---	---	20.23	20.16	---	19.90	---	19.57	---	20.30	20.33	---

147-067-35AAA



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 GOLDEN VALLEY COUNTY

465421103590706. Local number, 140-105-30CCC6.

LOCATION.--Lat 46°54'21", long 103°59'07", Hydrologic Unit 10110204. Owner: North Dakota State Water Commission.

AQUIFER.--Hell Creek-Fox Hills.

WELL CHARACTERISTICS.--Drilled observation well, depth 1,140 ft, cased with 1,050 ft of 4-in diameter steel pipe, screen set 1,050 to 1,130 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

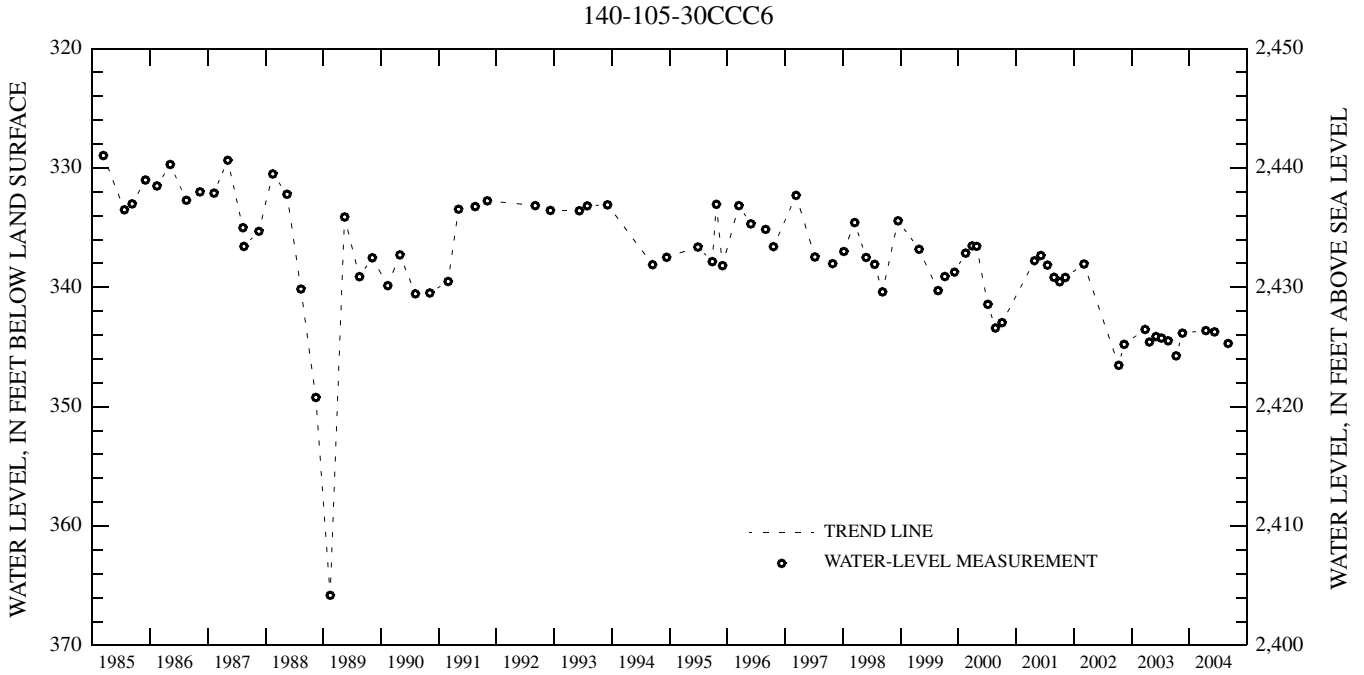
DATUM.--Altitude of land-surface datum is 2,770 ft. Measuring point: Top of casing 1.50 ft above land-surface datum.

PERIOD OF RECORD.--March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 328.95 ft below land-surface datum, March 11, 1985; lowest water level, 365.80 ft below land-surface datum, February 13, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	345.74	NOV 18	343.83	APR 14	343.62	JUN 08	343.73	SEP 02	344.70
WATER YEAR 2004		HIGHEST	343.62	APR 14, 2004		LOWEST	345.74	OCT 09, 2003	



GROUND-WATER LEVELS

57

NETWORK SITES--Continued

GRAND FORKS COUNTY

475646097372201. Local number, 152-054-31BBB.

LOCATION.--Lat 47°56'46", long 97°37'22", Hydrologic Unit 09020307. Owner: North Dakota State Water Commission.

AQUIFER.--Elk Valley.

WELL CHARACTERISTICS.--Drilled observation well, depth 84 ft, cased with 60 ft of 4-in diameter plastic pipe, slotted 50 to 60 ft below land-surface datum.

INSTRUMENTATION.--Water-level recorder October 1973 to current year. Only intermittent low and EOM water levels, obtained from strip-chart recorders, are available from the District office for June 1965 to September 1973. From October 1973 to current year, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,122.6 ft. Measuring point: Top of casing 1.31 ft above land-surface datum. Prior to road construction completed on October 19, 1978, altitude of land-surface datum was 1,127 ft.

PERIOD OF RECORD.--September 1965 to current year.

REMARKS.--Real-time data available on the U.S. Geological Survey webpage at: <http://nd.water.usgs.gov>.

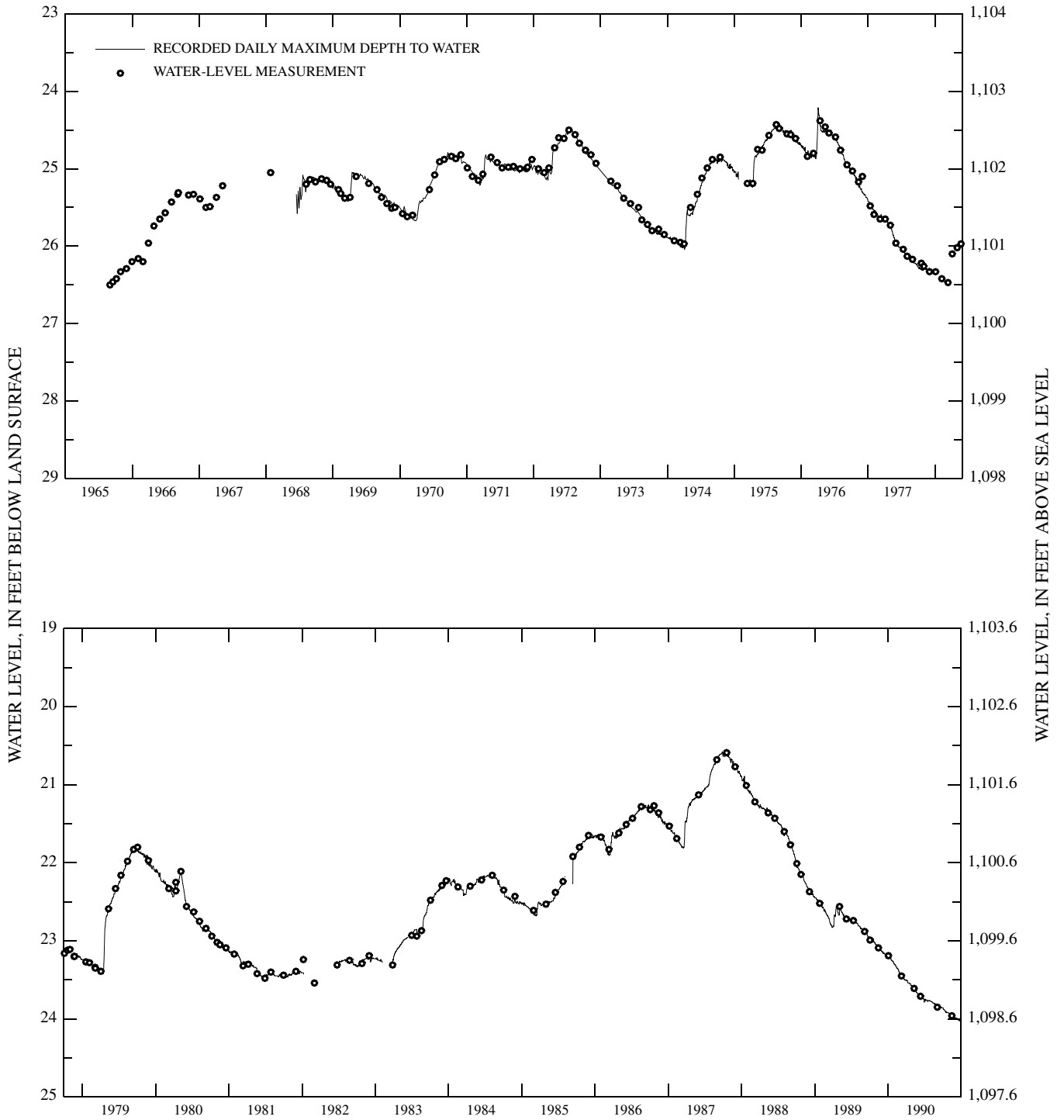
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 19.40 ft below land-surface datum, June 10-11, 2001; lowest water level 26.50 ft below land-surface datum, September 1, 1965.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

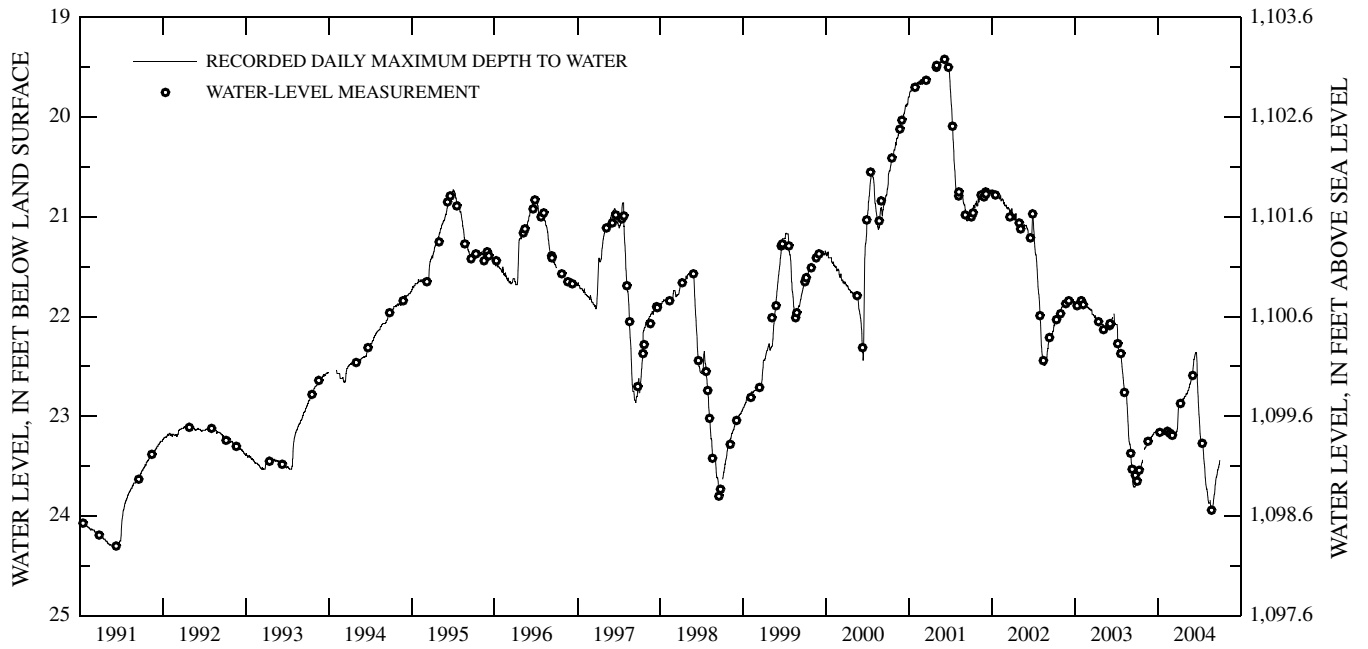
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.63	---	23.22	23.15	23.14	---	22.91	22.80	22.57	23.01	23.71	23.87
2	23.62	23.33	23.22	23.15	23.14	23.16	22.89	22.80	22.57	23.05	23.72	23.84
3	23.60	23.33	23.22	23.14	23.14	23.16	22.89	22.79	22.54	23.10	23.73	23.82
4	23.59	23.32	23.20	23.14	23.14	23.18	22.89	22.78	22.51	23.14	23.73	23.80
5	23.58	23.32	23.20	23.15	23.14	23.18	22.88	22.77	22.48	23.17	23.75	23.79
6	23.58	23.31	23.20	23.15	23.14	23.18	22.87	22.77	22.47	23.20	23.76	23.78
7	23.56	23.31	23.20	23.15	23.14	23.17	22.87	22.77	22.42	23.22	23.79	23.77
8	23.55	23.31	23.19	23.15	23.14	23.18	22.86	22.76	22.42	23.25	23.81	23.73
9	23.54	23.31	23.19	23.15	23.14	23.18	22.87	22.76	22.41	23.27	23.84	23.69
10	23.55	23.30	23.19	23.15	23.14	23.19	22.87	22.75	22.40	23.27	23.85	23.68
11	23.55	23.29	23.18	23.15	23.15	23.19	22.87	22.75	22.39	23.27	23.87	23.67
12	23.55	23.28	23.18	23.15	23.15	23.19	22.87	22.73	22.38	23.28	23.87	23.64
13	23.55	23.27	23.18	23.15	23.14	23.19	22.86	22.73	22.37	23.27	23.87	23.62
14	23.54	23.27	23.17	23.14	23.14	23.18	22.86	22.73	22.36	23.29	23.87	23.60
15	23.53	23.26	23.16	23.14	23.14	23.18	22.85	22.73	22.36	23.29	23.87	23.60
16	23.53	23.26	23.16	23.14	23.15	23.18	22.83	22.71	22.35	23.29	23.86	23.59
17	23.52	23.25	23.16	23.14	23.15	23.17	22.83	22.70	22.35	23.30	23.85	23.58
18	23.52	23.25	23.16	23.14	23.15	23.17	22.83	22.70	22.35	23.31	23.84	23.57
19	23.50	23.24	23.16	23.14	23.15	23.17	22.83	22.69	22.36	23.34	23.87	23.55
20	23.49	23.24	23.16	23.14	23.15	23.17	22.83	22.67	22.40	23.38	23.90	23.53
21	23.48	23.24	23.16	23.14	23.15	23.17	22.82	22.67	22.46	23.42	23.91	23.53
22	23.47	23.24	23.15	23.14	23.15	23.17	22.83	22.66	22.58	23.45	23.93	23.52
23	23.46	23.24	23.15	23.14	23.16	23.16	22.83	22.66	22.66	23.47	23.93	23.51
24	23.46	23.24	23.15	23.14	23.16	23.15	22.82	22.65	22.70	23.48	23.94	23.50
25	23.44	23.22	23.15	23.14	23.16	23.15	22.82	22.64	22.76	23.51	23.94	23.50
26	23.44	23.21	23.15	23.14	23.16	23.13	22.81	22.63	22.80	23.54	---	23.48
27	---	23.21	23.16	23.14	23.16	23.12	22.81	22.60	22.86	23.61	23.94	23.47
28	---	23.21	23.16	23.14	23.16	23.08	22.80	22.60	22.91	23.62	23.94	23.47
29	---	23.21	23.16	23.14	---	23.05	22.80	22.60	22.95	23.66	23.92	23.44
30	---	23.21	23.16	23.14	---	22.97	22.80	22.59	22.98	23.68	23.90	23.43
31	---	---	23.16	23.14	---	22.93	---	22.57	---	23.69	23.89	---

GROUND-WATER LEVELS
NETWORK SITES--Continued
GRAND FORKS COUNTY--Continued

152-054-31BBB



152-054-31BBB--Continued



GROUND-WATER LEVELS
NETWORK SITES--Continued
GRANT COUNTY

463000101575101. Local number, 135-090-23BBB1.

LOCATION.--Lat 46°30'00", long 101°57'51", Hydrologic Unit 10130203. Owner: North Dakota State Water Commission.

AQUIFER.--Fox Hills.

WELL CHARACTERISTICS.--Drilled observation well, depth 1,080 ft, cased with 1,029 ft of 2-in diameter steel pipe, No. 12 slot screen set 1,029 to 1,047 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

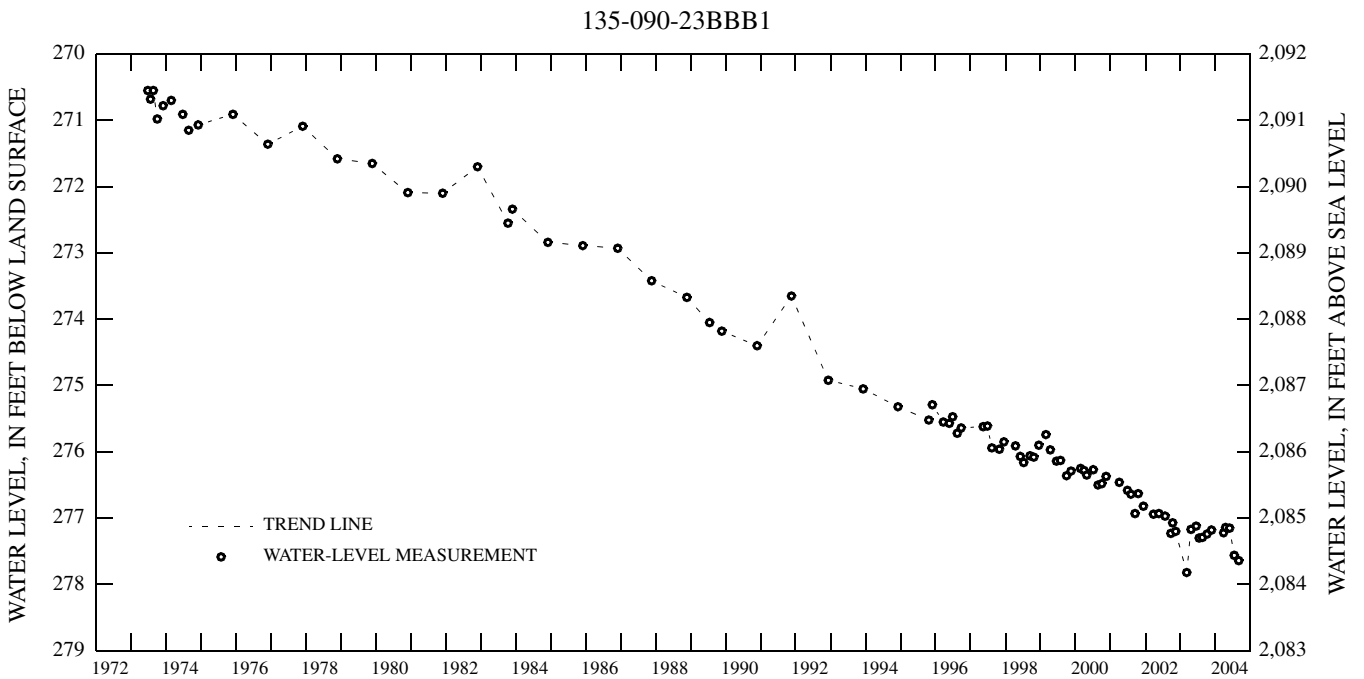
DATUM.--Altitude of land-surface datum is 2,362 ft. Measuring point: Top of casing 3.00 ft above land-surface datum.

PERIOD OF RECORD.--June 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 270.55 ft below land-surface datum, June 27, 1973, and August 24, 1973; lowest water level, 277.82 ft below land-surface datum, March 7, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	277.24	MAR 26	277.22	APR 15	277.14	MAY 28	277.15	JUL 15	277.56	AUG 31	277.64
NOV 21	277.18										
WATER YEAR 2004		HIGHEST	277.14	APR 15, 2004		LOWEST	277.64	AUG 31, 2004			



NETWORK SITES--Continued

GRANT COUNTY--Continued

463000101575102. Local number, 135-090-23BBB2.

LOCATION.--Lat 46°30'00", long 101°57'51", Hydrologic Unit 10130203. Owner: North Dakota State Water Commission.

AQUIFER.--Tongue River.

WELL CHARACTERISTICS.--Drilled observation well, depth 300 ft, cased with 277 ft of 1.25-in diameter plastic pipe, screen set 277 to 283 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

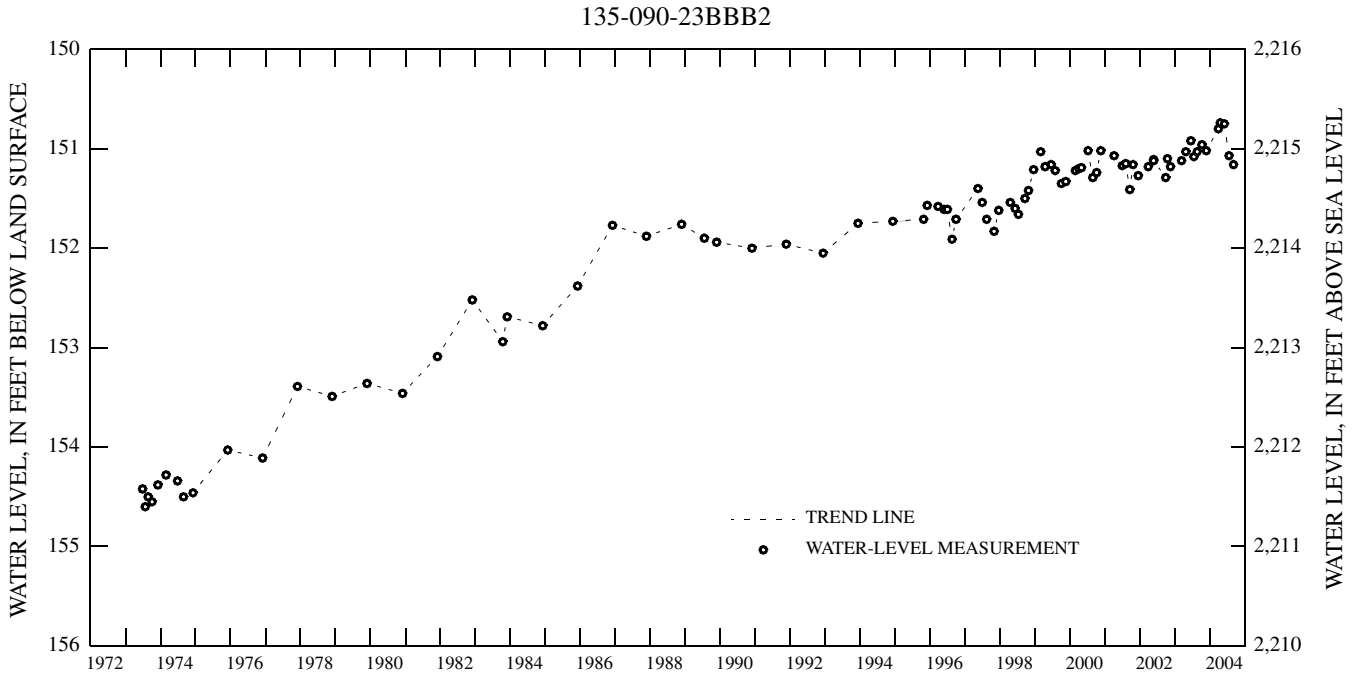
DATUM.--Altitude of land-surface datum is 2,366 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

PERIOD OF RECORD.--June 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 150.74 ft below land-surface datum, April 15, 2004; lowest water level, 154.60 ft below land-surface datum, July 25, 1973.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	150.96	MAR 26	150.80	APR 15	150.74	MAY 28	150.75	JUL 15	151.07	AUG 31	151.16
NOV 21	151.02										
WATER YEAR 2004		HIGHEST	150.74	APR 15, 2004		LOWEST	151.16	AUG 31, 2004			



GROUND-WATER LEVELS
NETWORK SITES--Continued
GRIGGS COUNTY

472412098261201. Local number, 145-061-04DAD1.

LOCATION.--Lat 47°24'12", long 98°26'12", Hydrologic Unit 09020203. Owner: North Dakota State Water Commission.

AQUIFER.--Spiritwood.

WELL CHARACTERISTICS.--Drilled observation well, depth 160 ft, cased with 102 ft of 6-in diameter plastic pipe, No. 30 slot screen set 102 to 107 ft below land-surface datum.

INSTRUMENTATION.--Water-level recorder March 1974 to current year. Only intermittent low and EOM water levels, obtained from strip-chart recorders, are available from the District office for December 1970 to March 1974. From March 1974 to current year, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,470 ft. Measuring point: Top of casing 1.60 ft above land-surface datum.

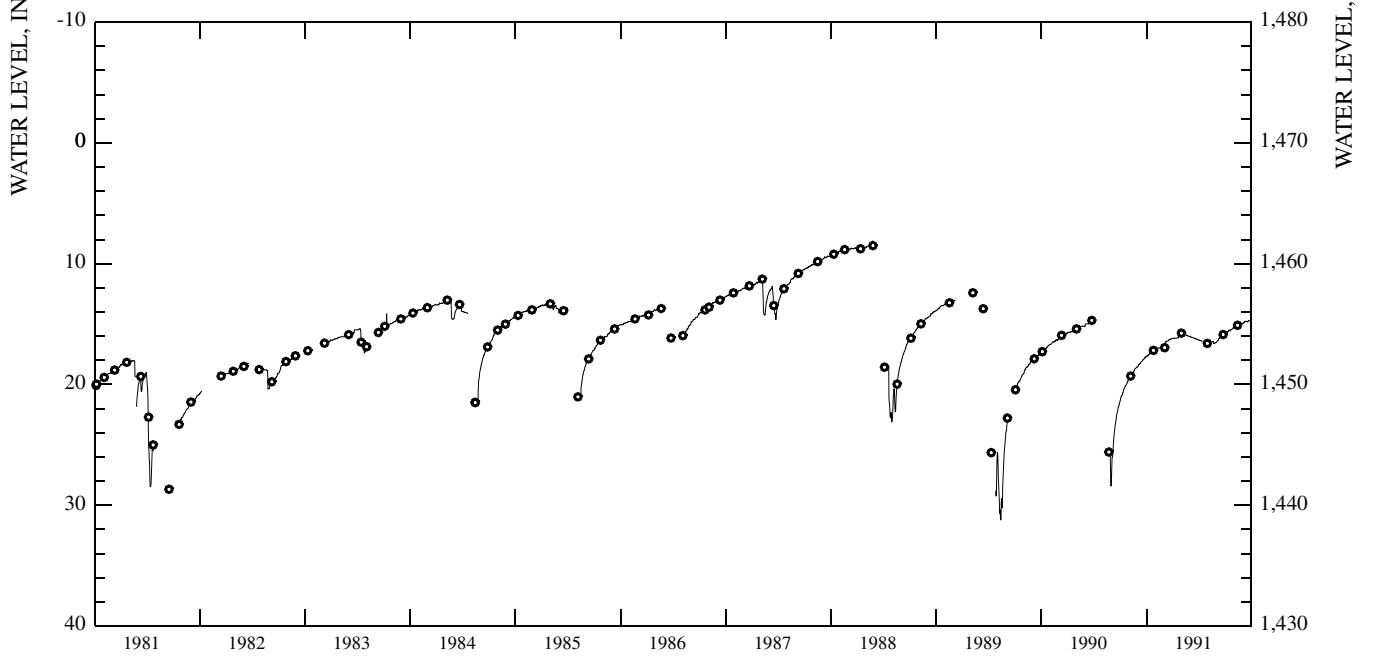
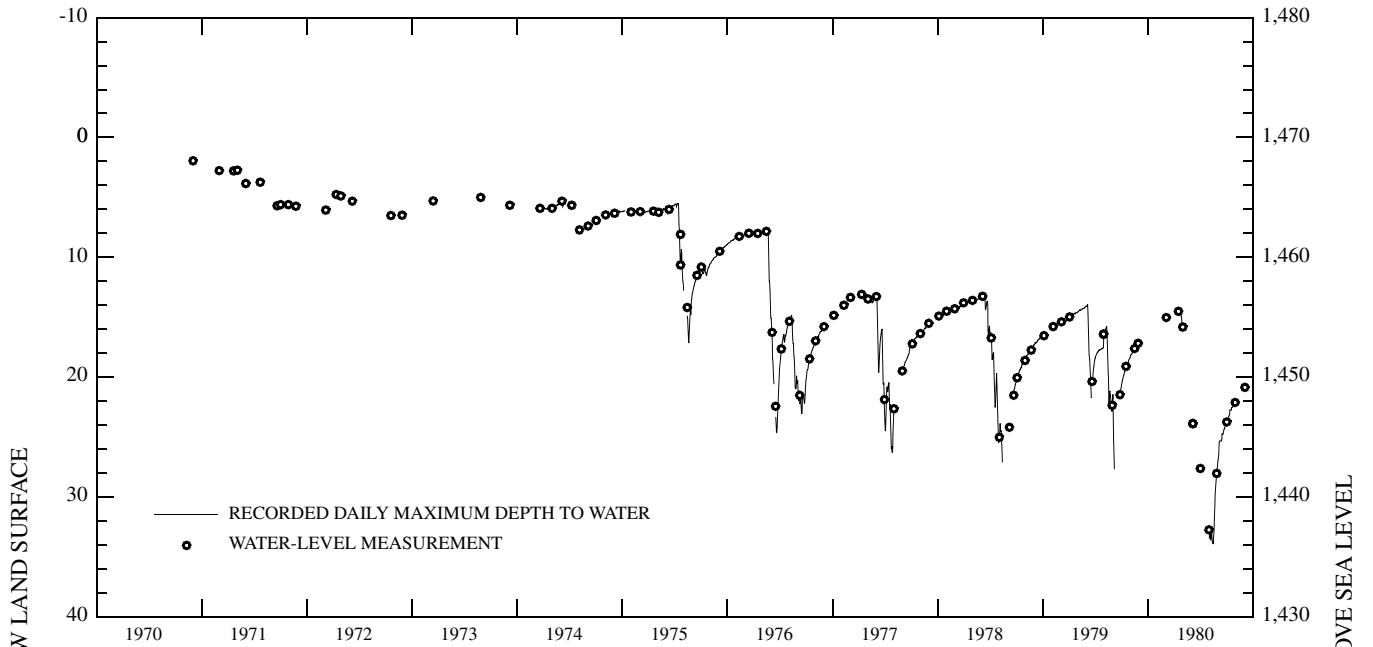
PERIOD OF RECORD.--December 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, -1.17 ft below land-surface datum, September 1, 2, 7, and 8, 2001; lowest water level, 33.90 ft below land-surface datum, August 14, 1980.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

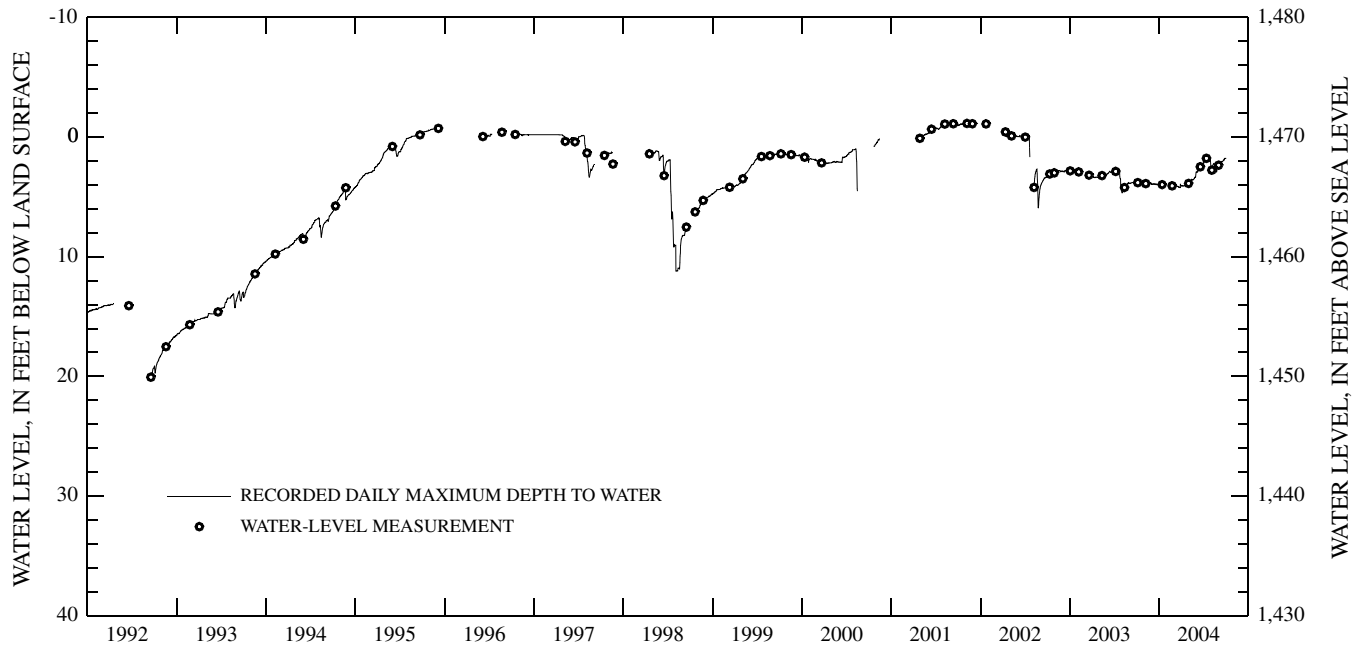
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.85	3.85	3.95	3.95	---	4.09	4.07	3.86	2.90	2.17	3.11	2.34
2	3.85	3.85	3.95	3.94	---	4.09	4.10	3.86	2.95	2.15	3.11	2.30
3	3.81	3.87	3.94	3.97	---	4.09	4.10	3.86	2.96	2.07	2.87	2.27
4	3.80	3.86	3.94	3.98	---	4.09	4.10	3.83	2.95	2.06	2.69	2.26
5	3.80	3.85	3.96	3.98	---	4.09	4.07	3.81	2.90	2.05	2.58	2.26
6	3.80	3.85	3.96	3.98	---	4.09	4.06	3.84	2.89	2.02	2.48	2.12
7	3.80	3.90	3.89	3.98	---	4.09	4.06	3.84	2.81	1.98	2.35	2.14
8	3.79	3.90	3.91	3.99	---	4.11	4.07	3.79	2.83	1.97	2.32	2.14
9	3.79	3.89	3.92	3.99	---	4.11	4.09	3.77	2.83	1.90	2.26	2.13
10	3.78	3.87	3.93	3.99	---	4.08	4.09	3.76	2.81	1.89	2.25	2.09
11	3.79	3.82	3.93	3.99	---	4.08	4.09	3.76	2.64	1.87	2.23	2.09
12	3.79	3.86	3.93	3.99	---	4.08	4.08	3.58	2.59	1.87	2.19	2.09
13	3.79	3.87	3.93	3.99	---	4.10	4.07	3.60	2.59	1.80	2.22	2.04
14	3.80	3.85	3.90	3.94	---	4.12	4.04	3.60	2.56	1.80	2.43	2.04
15	3.81	3.83	3.92	3.94	---	4.12	4.02	3.60	2.55	1.80	2.42	2.04
16	3.83	3.83	3.93	3.95	---	4.12	4.01	3.56	2.51	1.78	2.36	2.02
17	3.83	3.82	3.93	3.97	---	4.12	4.01	3.56	2.51	1.78	2.62	2.01
18	3.81	3.80	3.95	4.00	---	4.12	4.00	3.56	2.49	1.77	2.88	2.00
19	3.81	3.82	3.97	4.00	---	4.14	3.97	3.55	2.49	1.74	2.86	1.95
20	3.82	3.86	3.97	3.99	---	4.17	3.97	3.56	2.41	1.74	2.73	1.92
21	3.82	3.87	3.93	3.97	---	4.18	3.93	3.55	2.35	1.72	2.64	1.91
22	3.83	3.87	3.97	3.97	---	4.20	3.95	3.48	2.34	1.73	2.80	1.91
23	3.83	3.87	3.97	3.96	---	4.20	3.96	3.44	2.31	1.73	2.93	1.91
24	3.84	3.86	3.97	3.95	4.09	4.19	3.96	3.44	2.29	1.73	2.81	1.78
25	3.88	3.82	3.97	---	4.09	4.19	3.90	3.38	2.28	1.75	2.62	1.78
26	3.88	3.84	3.96	---	4.09	4.21	3.93	3.37	2.26	1.75	2.45	1.78
27	3.84	3.90	3.96	---	4.09	4.20	3.92	3.32	2.25	1.74	2.45	1.80
28	3.78	3.91	3.92	---	4.09	3.91	3.85	3.34	2.21	1.70	2.44	1.80
29	3.79	3.85	3.93	---	4.09	4.01	3.88	3.33	2.20	2.00	2.39	1.80
30	3.82	3.91	3.93	---	---	4.06	3.87	3.21	2.17	2.37	2.35	1.73
31	3.85	---	3.95	---	---	4.07	---	2.93	---	2.78	2.34	---

145-061-04DAD1



GROUND-WATER LEVELS
NETWORK SITES--Continued
GRIGGS COUNTY--Continued

145-061-04DAD1--Continued



NETWORK SITES--Continued

GRIGGS COUNTY--Continued

472624098013101. Local number, 146-058-26BBDB.

LOCATION.--Lat 47°26'24", long 98°01'31", Hydrologic Unit 09020203. Owner: Corps of Engineers.

AQUIFER.--McVille.

WELL CHARACTERISTICS.--Augered observation well, depth 27 ft, cased from -2.6 to 19.3 ft with 2-in diameter plastic pipe, screen set 19.3 to 24.3 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

DATUM.--Altitude of land-surface datum is 1,305.24 ft. Measuring point: Top of casing 2.60 ft above land-surface datum.

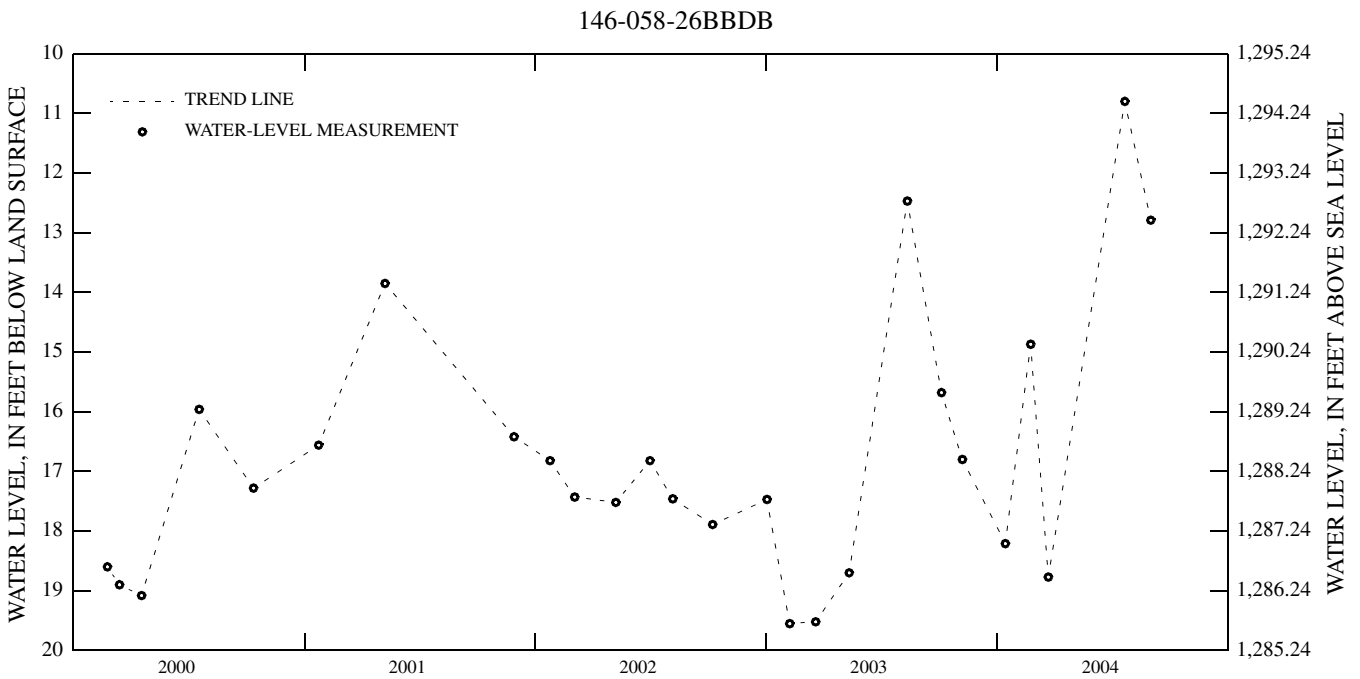
PERIOD OF RECORD.--December 1999 to current year.

REMARKS.--Replaces well 146-058-26CBC.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 10.80 ft below land-surface datum, July 21, 2004; lowest water level, 19.55 ft below land-surface datum, February 7, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 05	15.68	JAN 14	18.21	FEB 23	14.87	MAR 22	18.77	JUL 21	10.80	AUG 31	12.79
NOV 07	16.80										
WATER YEAR 2004		HIGHEST	10.80	JUL 21, 2004		LOWEST	18.77	MAR 22, 2004			



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 GRIGGS COUNTY--Continued

473425098232901. Local number, 147-061-01CCC.

LOCATION.--Lat 47°34'25", long 98°23'29", Hydrologic Unit 09020203. Owner: North Dakota State Water Commission.

AQUIFER.--Spiritwood.

WELL CHARACTERISTICS.--Drilled observation well, depth 340 ft, cased with 237 ft of 1.25-in diameter plastic pipe, No. 25 slot screen set 237 to 240 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

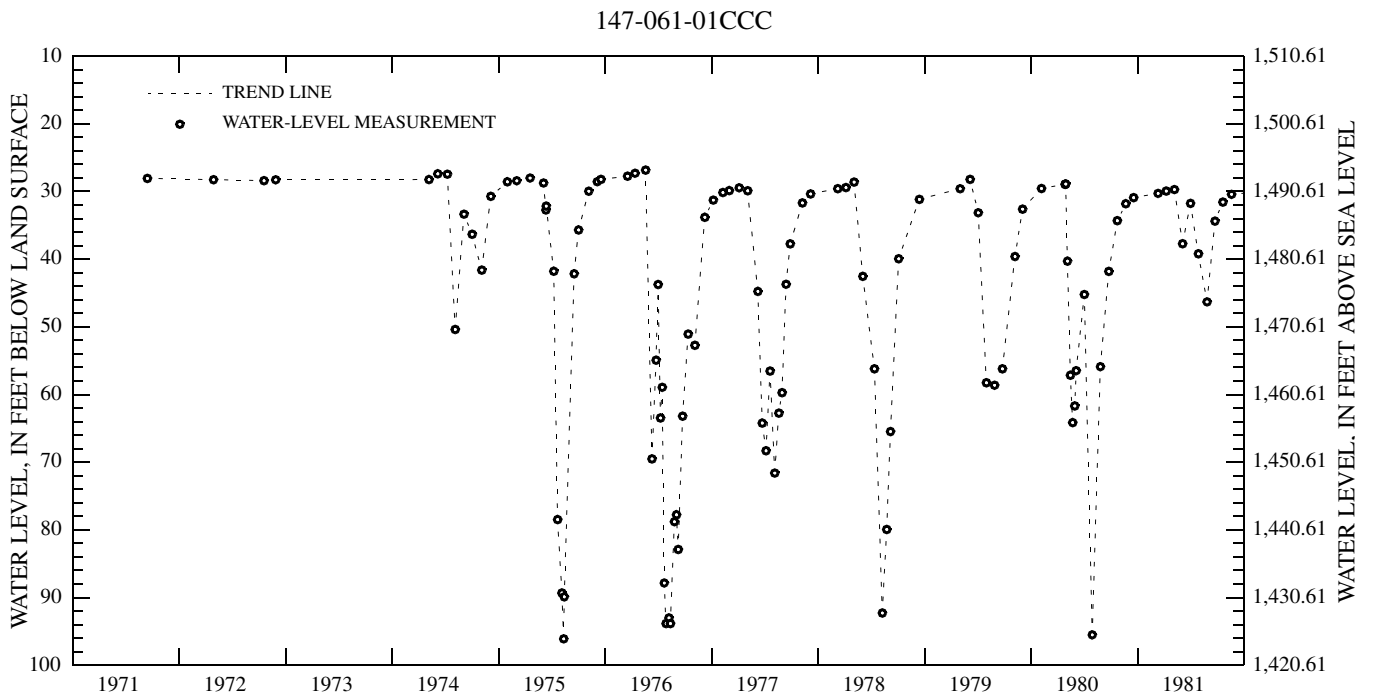
DATUM.--Altitude of land-surface datum is 1,520.61 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

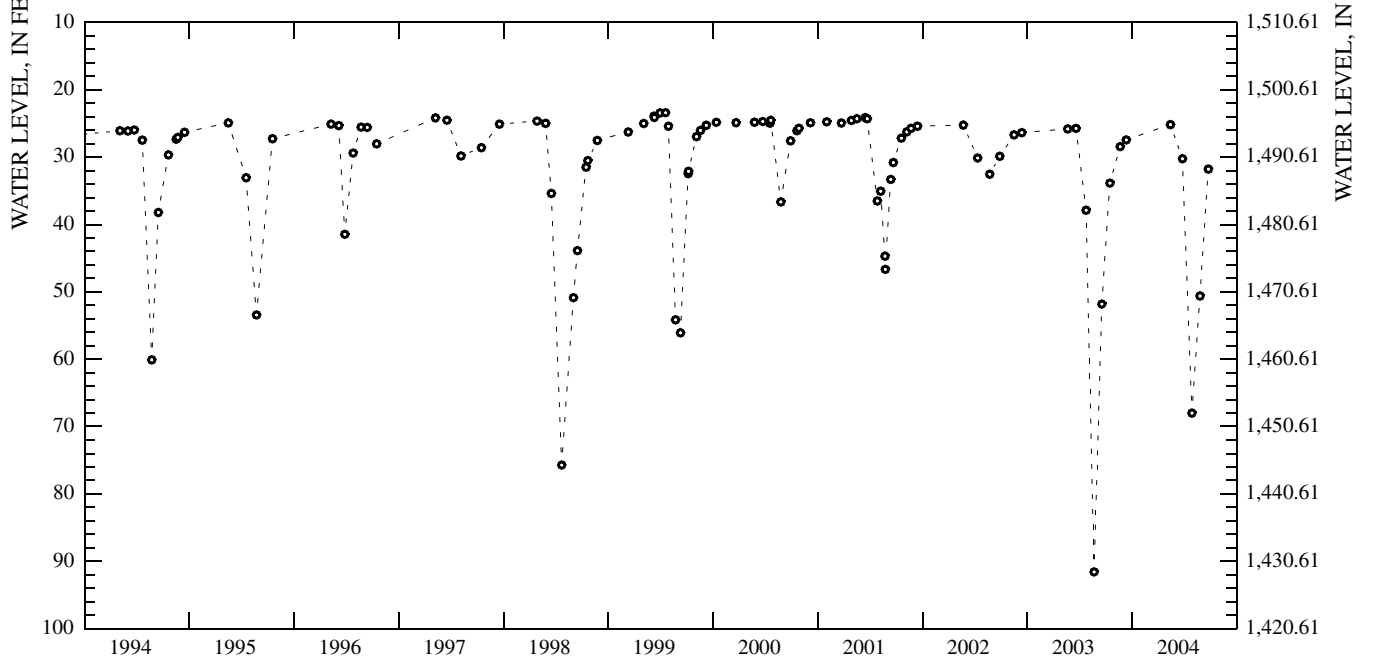
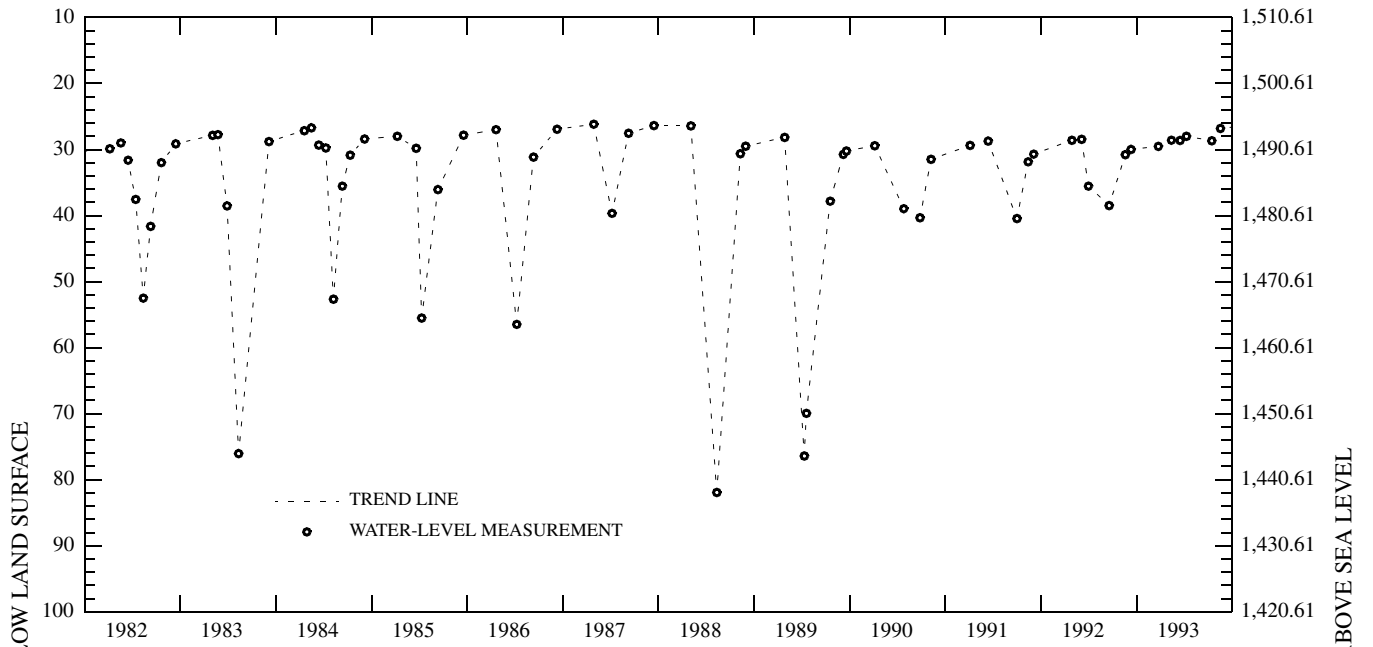
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 23.39 ft below land-surface datum, July 19, 1999; lowest water level, 96.10 ft below land-surface datum, August 12, 1975.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	33.85	DEC 11	27.43	JUN 24	30.23	JUL 27	68.00	AUG 24	50.60	SEP 22	31.76
NOV 20	28.43	MAY 13	25.16								
WATER YEAR 2004		HIGHEST	25.16	MAY 13, 2004		LOWEST	68.00	JUL 27, 2004			



147-061-01CCC--Continued



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 HETTINGER COUNTY

463153102521001. Local number, 135-097-04DCA.

LOCATION.--Lat 46°31'53", long 102°52'10", Hydrologic Unit 10130204. Owner: North Dakota State Water Commission.

AQUIFER.--Fox Hills.

WELL CHARACTERISTICS.--Drilled observation well, depth 1,360 ft, cased with 1,320 ft of 4-in diameter steel pipe, open ended.

INSTRUMENTATION.--Measured using a steel tape.

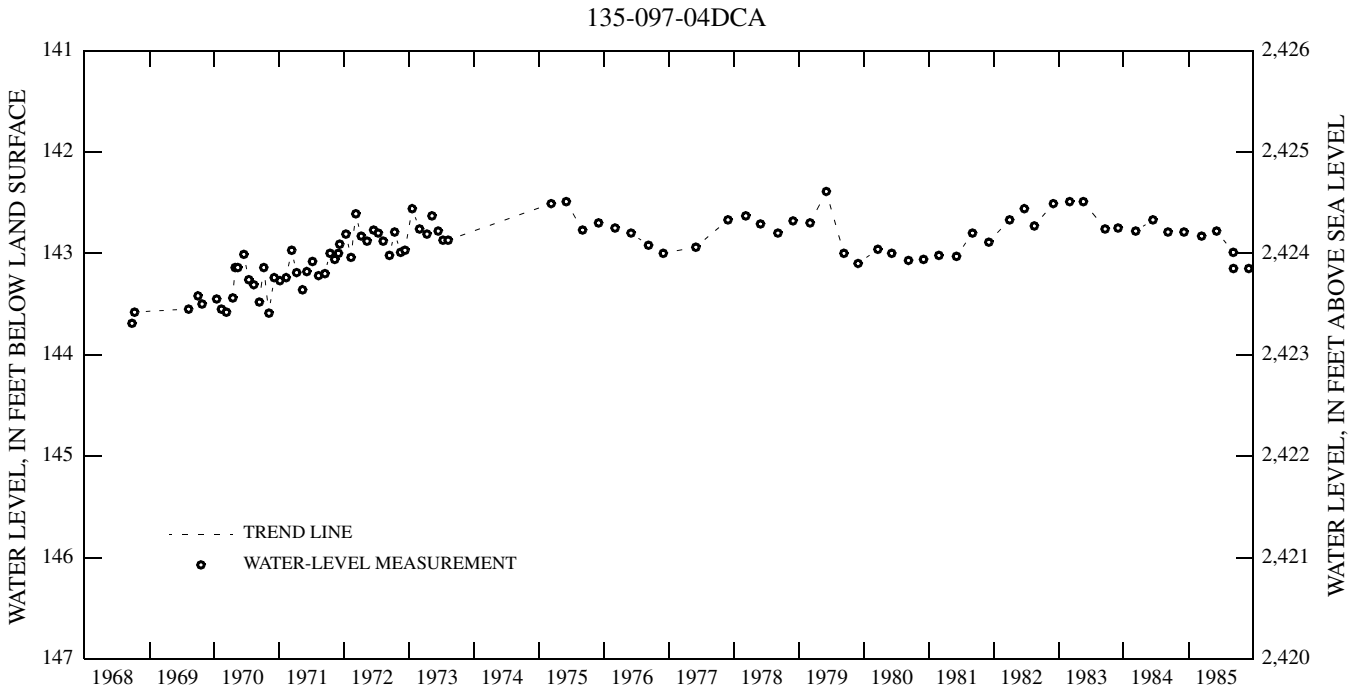
DATUM.--Altitude of land-surface datum is 2,567 ft. Measuring point: Top of casing 0.80 ft above land-surface datum.

PERIOD OF RECORD.--September 1968 to current year.

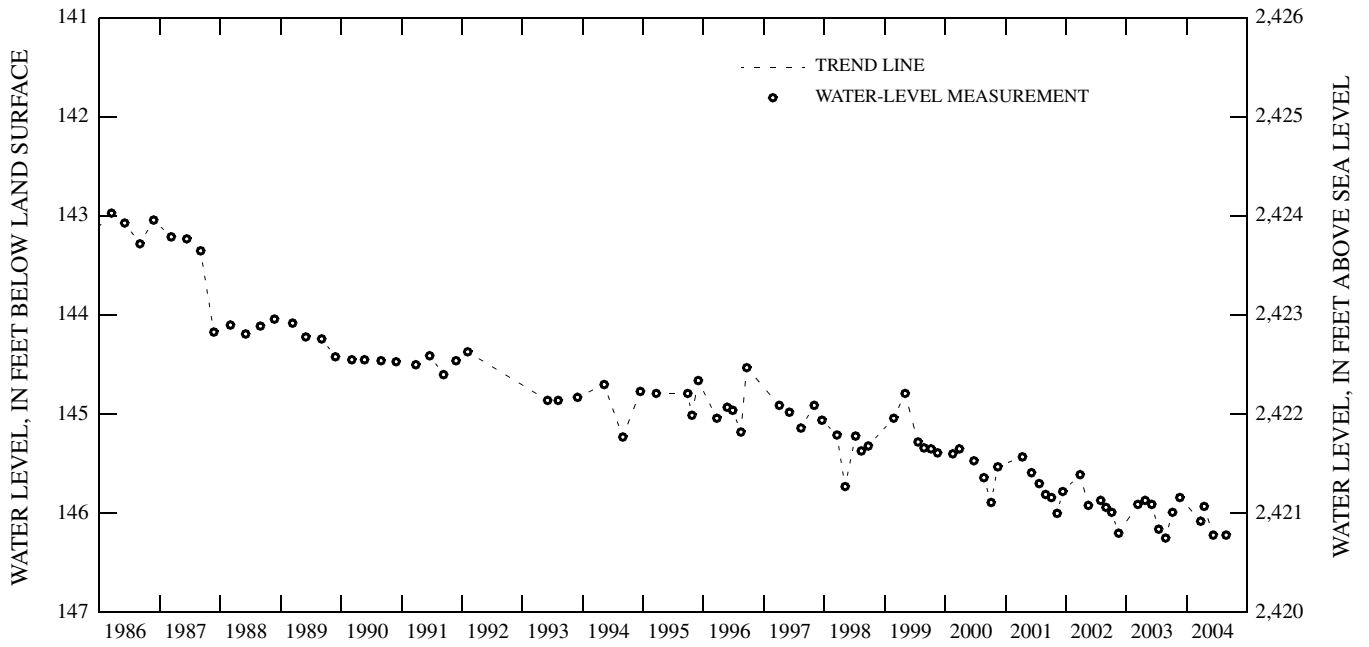
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 142.39 ft below land-surface datum, June 4, 1979; lowest water level, 146.25 ft below land-surface datum, August 26, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 07	145.99	NOV 20	145.84	MAR 25	146.08	APR 15	145.93	JUN 09	146.22	AUG 26	146.22
WATER YEAR 2004		HIGHEST	145.84	NOV 20, 2003		LOWEST	146.22	JUN 09, 2004		AUG 26, 2004	



135-097-04DCA--Continued



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 KIDDER COUNTY

470638099324301. Local number, 142-070-16DDD.

LOCATION.--Lat 47°06'38", long 99°32'43", Hydrologic Unit 10130103. Owner: North Dakota State Water Commission.

AQUIFER.--Long Lake.

WELL CHARACTERISTICS.--Drilled observation well, depth 84 ft, cased with 70 ft of 1.25-in diameter plastic pipe, No. 18 slot screen set 70 to 73 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

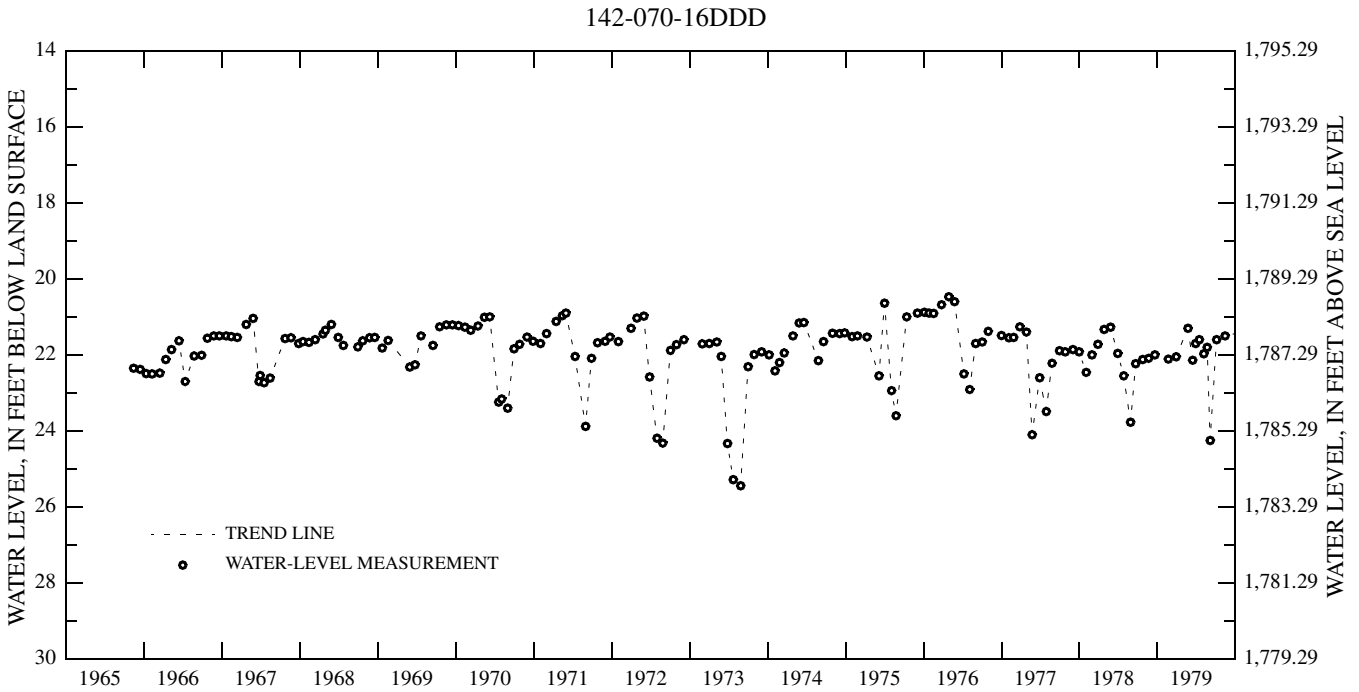
DATUM.--Altitude of land-surface datum is 1,809.29 ft. Measuring point: Top of casing 1.90 ft above land-surface datum.

PERIOD OF RECORD.--November 1965 to current year.

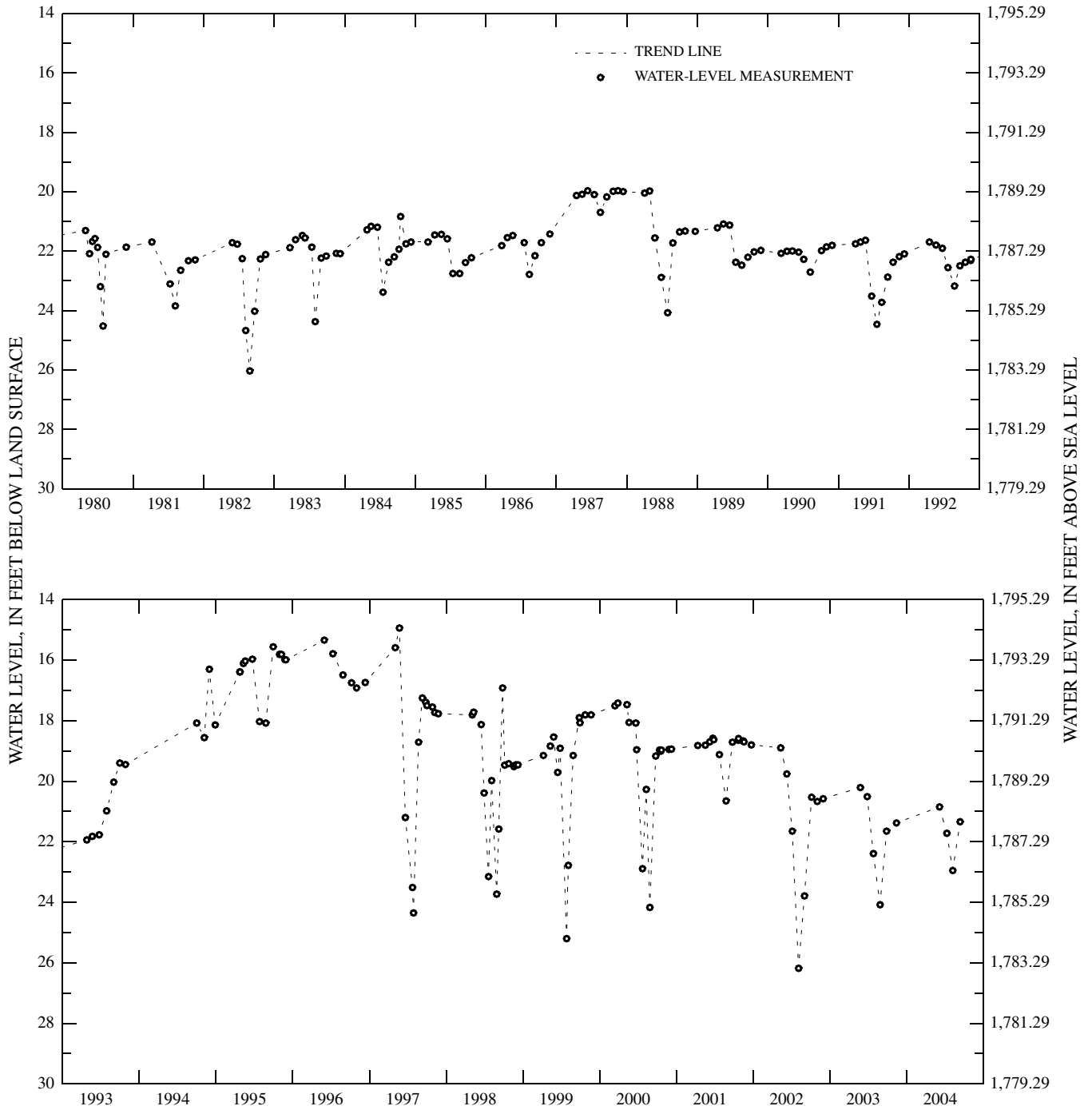
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 14.94 ft below land-surface datum, May 23, 1997; lowest water level, 26.18 ft below land-surface datum, August 5, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 14	21.38	JUN 06	20.85	JUL 11	21.72	AUG 08	22.95	SEP 12	21.34
WATER YEAR 2004		HIGHEST	20.85	JUN 06, 2004		LOWEST	22.95	AUG 08, 2004	



142-070-16DDD--Continued



GROUND-WATER LEVELS
NETWORK SITES--Continued
LaMOURE COUNTY

461958098132901. Local number, 133-060-16DAA.

LOCATION.--Lat 46°19'58", long 98°13'29", Hydrologic Unit 10160003. Owner: North Dakota State Water Commission.

AQUIFER.--LaMoire.

WELL CHARACTERISTICS.--Drilled observation well, depth 110 ft, cased with 58 ft of 6-in diameter plastic pipe, No. 25 slot screen set 58 to 63 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape October 2000 to current year. Water-level recorder November 1975 to October 2000, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,320 ft. Measuring point: Top of casing 1.00 ft above land-surface datum.

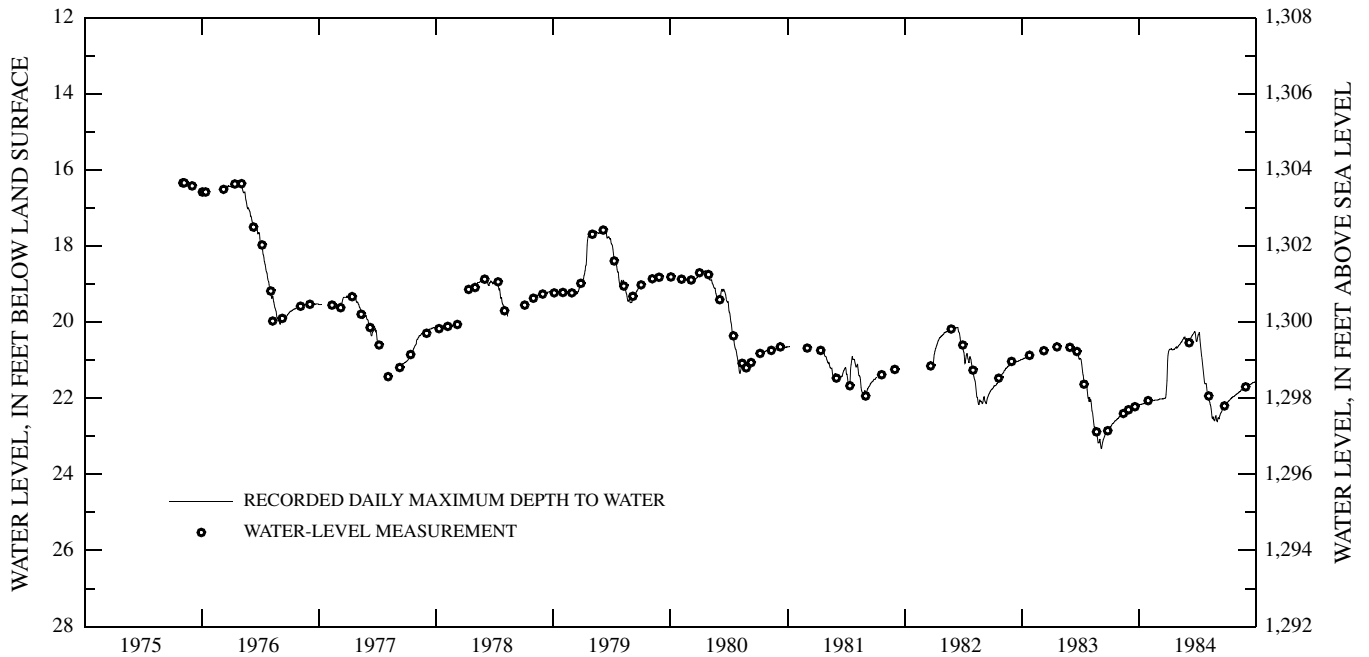
PERIOD OF RECORD.--November 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 13.63 ft below land-surface datum, May 19, 1999; lowest water level, 26.84 ft below land-surface datum, August 20, 1990.

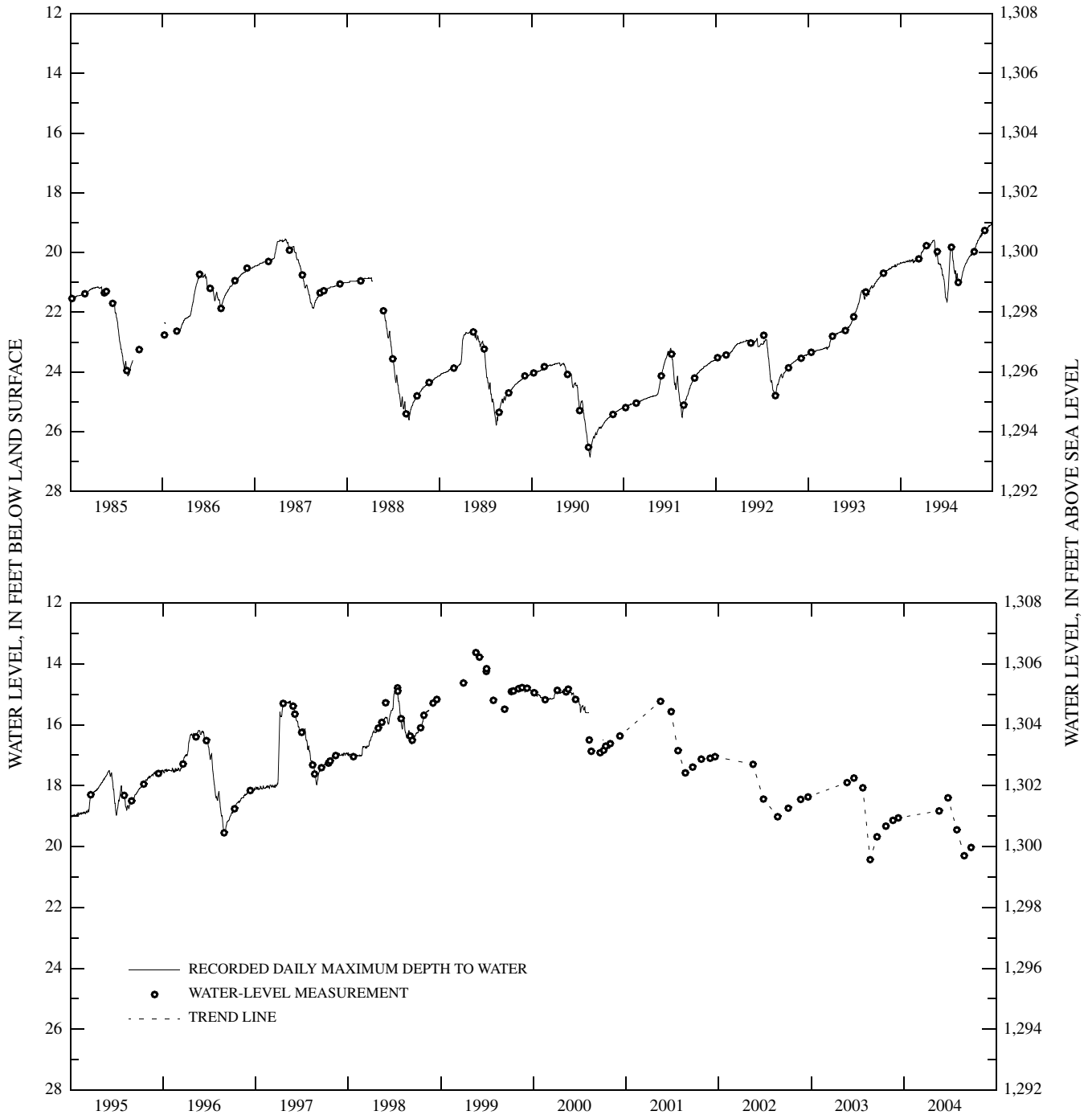
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	19.33	DEC 10	19.06	JUN 23	18.40	JUL 28	19.45	AUG 26	20.30	SEP 22	20.03
NOV 19	19.14	MAY 19	18.83								
WATER YEAR 2004		HIGHEST	18.40	JUN 23, 2004		LOWEST	20.30	AUG 26, 2004			

133-060-16DAA



133-060-16DAA--Continued



GROUND-WATER LEVELS

NETWORK SITES--Continued

LaMOURE COUNTY--Continued

462447098432602. Local number, 134-064-22BBB2.

LOCATION.--Lat 46°24'47", long 98°43'26", Hydrologic Unit 10160004. Owner: North Dakota State Water Commission.

AQUIFER.--Edgeley.

WELL CHARACTERISTICS.--Drilled observation well, depth 40 ft, cased with 27 ft of 4-in diameter plastic pipe, screen set 27 to 32 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape January 1998 to current year. Water-level recorder January 1975 to January 1998, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,550 ft. Measuring point: Top of casing 2.40 ft above land-surface datum.

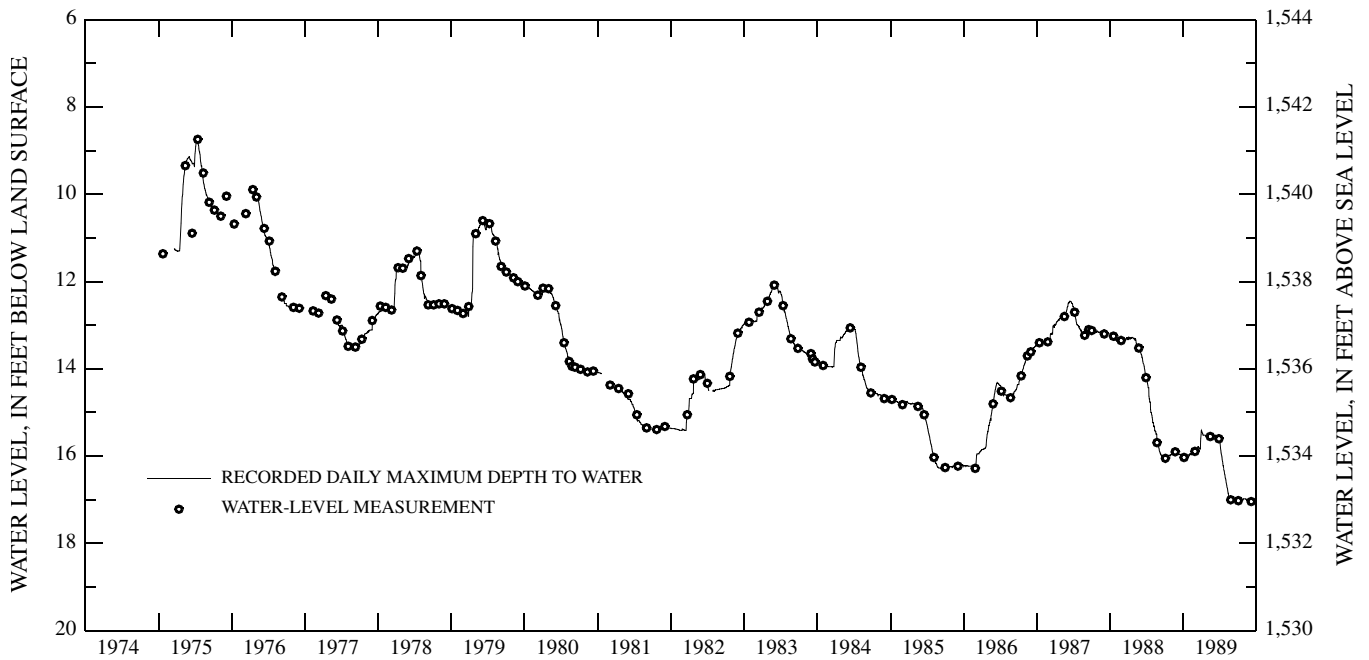
PERIOD OF RECORD.--January 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.86 ft below land-surface datum, June 2, 1999; lowest water level, 19.44 ft below land-surface datum, October 11, 1992.

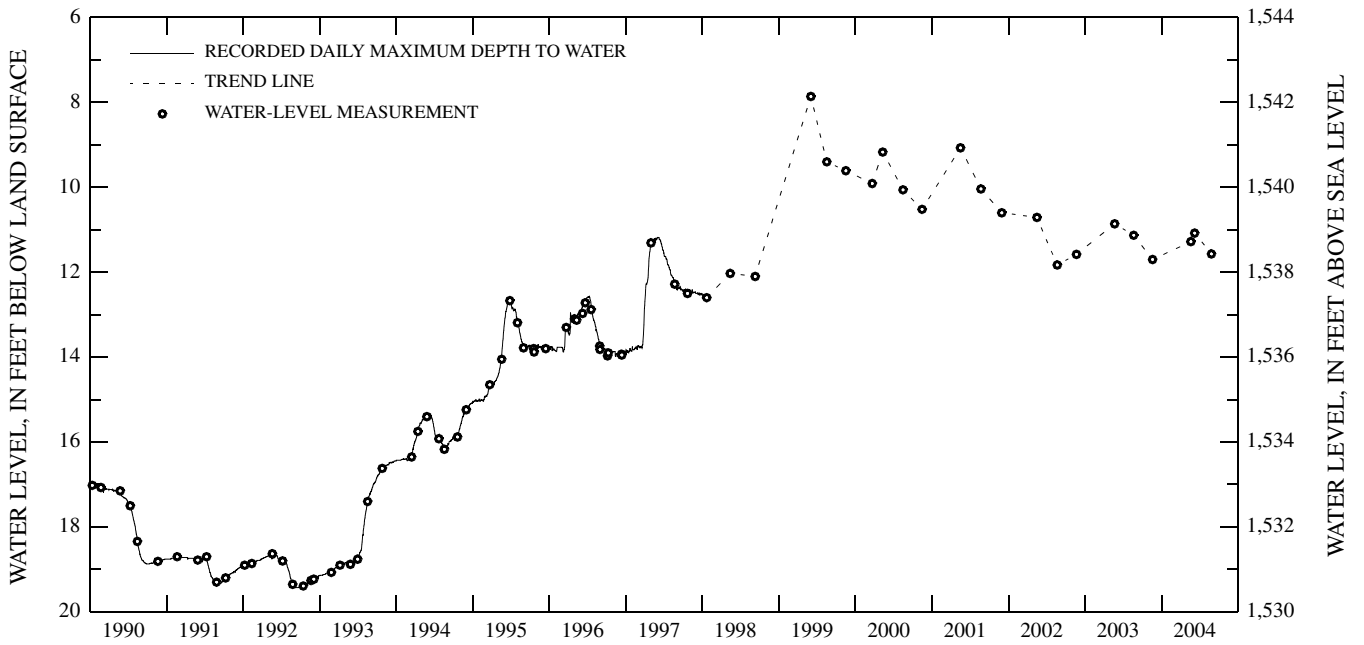
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	11.70	MAY 20	11.28	JUN 07	11.08	AUG 26	11.57
WATER YEAR 2004		HIGHEST	11.08 JUN 07, 2004	LOWEST	11.70 NOV 19, 2003		

134-064-22BBB2



134-064-22BBB2--Continued



GROUND-WATER LEVELS
NETWORK SITES--Continued
LOGAN COUNTY

463417099271002. Local number, 136-070-26BBB2.

LOCATION.--Lat 46°34'17", long 99°27'10", Hydrologic Unit 10130103. Owner: North Dakota State Water Commission.

AQUIFER.--Streeter.

WELL CHARACTERISTICS.--Drilled observation well, depth 62 ft, cased with 39 ft of 6-in diameter plastic pipe, No. 25 slot screen set 39 to 44 ft below land-surface datum.

INSTRUMENTATION.--Water-level recorder November 1978 to current year, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,909.8 ft. Measuring point: Top of casing 1.80 ft above land-surface datum.

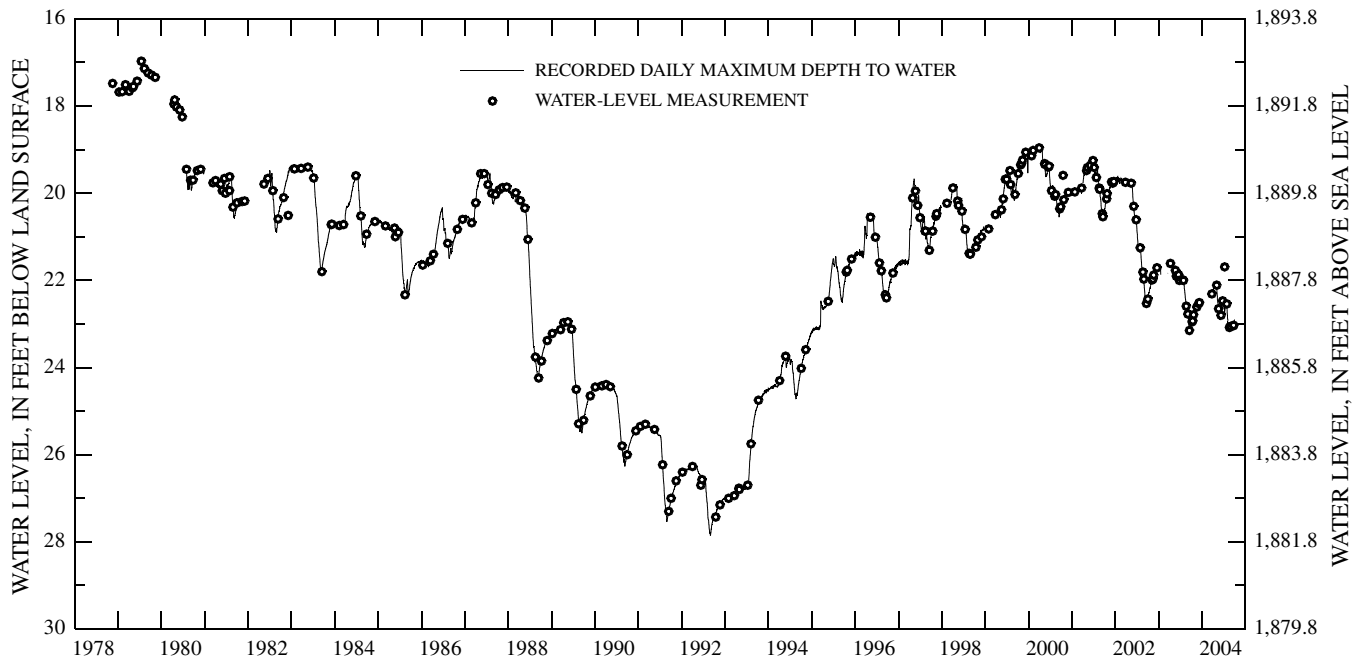
PERIOD OF RECORD.--November 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 16.97 ft below land-surface datum, July 15, 1979; lowest water level, 27.85 ft below land-surface datum, August 29-31, 1992.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.08	---	---	---	---	---	22.22	22.16	22.90	22.51	22.77	23.10
2	23.06	---	---	---	---	---	22.22	22.17	22.91	22.52	22.81	23.11
3	23.01	---	---	---	---	---	22.22	22.16	22.90	22.56	22.86	23.11
4	23.00	---	---	---	---	---	22.21	22.18	22.88	22.58	22.88	23.12
5	22.98	---	---	---	---	---	22.17	22.19	22.83	22.59	22.90	23.12
6	22.97	---	---	---	---	---	22.17	22.27	22.82	22.61	22.93	23.14
7	22.95	---	---	---	---	---	22.16	22.30	22.79	22.62	22.96	23.15
8	22.93	---	---	---	---	---	22.16	22.34	22.81	22.63	22.96	23.15
9	---	---	---	---	---	---	22.17	22.37	22.80	22.77	23.00	23.14
10	---	---	---	---	---	---	22.17	22.44	22.76	22.75	23.01	23.12
11	---	---	---	---	---	---	22.17	22.46	22.71	22.70	23.02	23.12
12	---	---	---	---	---	---	22.16	22.50	22.69	22.68	23.07	23.11
13	---	---	---	---	---	---	22.15	22.52	22.68	22.65	23.08	23.06
14	---	---	---	---	---	---	22.13	22.52	22.66	22.64	23.10	23.06
15	---	---	---	---	---	---	22.12	22.53	22.63	22.61	23.12	23.06
16	---	---	---	---	---	---	22.15	22.56	22.62	22.60	23.13	23.05
17	---	---	---	---	---	---	22.15	22.61	22.59	22.60	23.14	23.03
18	---	---	---	---	---	---	22.13	22.63	22.56	22.57	23.16	23.02
19	---	---	---	---	---	---	22.15	22.67	22.54	22.56	23.09	22.97
20	---	---	---	---	---	---	22.13	22.71	22.49	22.56	23.09	22.97
21	---	---	---	---	---	---	22.13	22.72	22.45	22.55	23.09	23.03
22	---	---	---	---	---	---	22.14	22.75	22.45	22.57	23.06	23.03
23	---	---	---	---	---	---	22.15	22.78	22.45	22.58	23.06	23.03
24	---	---	---	---	---	22.30	22.15	22.79	22.46	22.59	23.06	23.03
25	---	---	---	---	---	22.29	22.10	22.82	22.47	22.60	23.06	23.03
26	---	---	---	---	---	22.29	22.12	22.82	22.47	22.60	23.06	23.00
27	---	---	---	---	---	22.26	22.11	22.85	22.50	22.62	23.08	22.97
28	---	---	---	---	---	22.25	22.13	22.87	22.51	22.63	23.08	22.97
29	---	---	---	---	---	22.25	22.15	22.90	22.51	22.64	23.08	22.96
30	---	---	---	---	---	22.25	22.15	22.90	22.49	22.70	23.09	22.90
31	---	---	---	---	---	22.24	---	22.89	---	22.74	23.10	---

136-070-26BBB2



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 LOGAN COUNTY--Continued

463240099483801. Local number, 136-073-35DDD1.

LOCATION.--Lat 46°32'40", long 99°48'38", Hydrologic Unit 10130103. Owner: North Dakota State Water Commission.

AQUIFER.--Napoleon.

WELL CHARACTERISTICS.--Drilled observation well, depth 282 ft, cased with 168 ft of 1.25-in diameter plastic pipe, No. 18 slot screen set 168 to 171 ft below land-surface datum.

INSTRUMENTATION.--Measured using an electric tape.

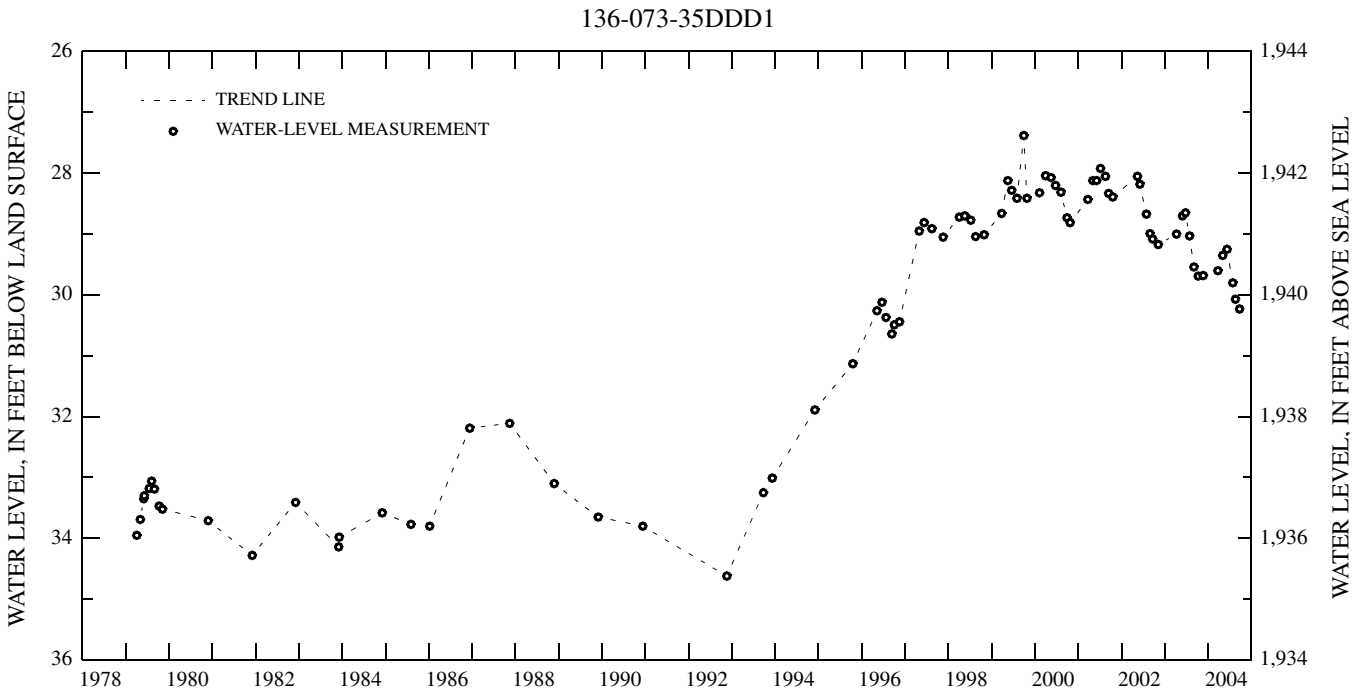
DATUM.--Altitude of land-surface datum is 1,970 ft. Measuring point: Top of casing 1.80 ft above land-surface datum.

PERIOD OF RECORD.--April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 27.38 ft below land-surface datum, September 29, 1999; lowest water level, 34.62 ft below land-surface datum, November 18, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	29.69	MAR 23	29.60	JUN 08	29.25	JUL 27	29.80	AUG 18	30.07	SEP 22	30.23
NOV 20	29.68	MAY 03	29.35								
WATER YEAR 2004		HIGHEST	29.25	JUN 08, 2004		LOWEST	30.23	SEP 22, 2004			



NETWORK SITES--Continued

LOGAN COUNTY--Continued

463240099483802. Local number, 136-073-35DDD2.

LOCATION.--Lat 46°32'40", long 99°48'38", Hydrologic Unit 10130103. Owner: North Dakota State Water Commission.

AQUIFER.--Napoleon.

WELL CHARACTERISTICS.--Drilled observation well, depth 131 ft, cased with 118 ft of 1.25-in diameter plastic pipe, No. 18 slot screen set 118 to 121 ft below land-surface datum.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,970 ft. Measuring point: Top of casing 1.90 ft above land-surface datum.

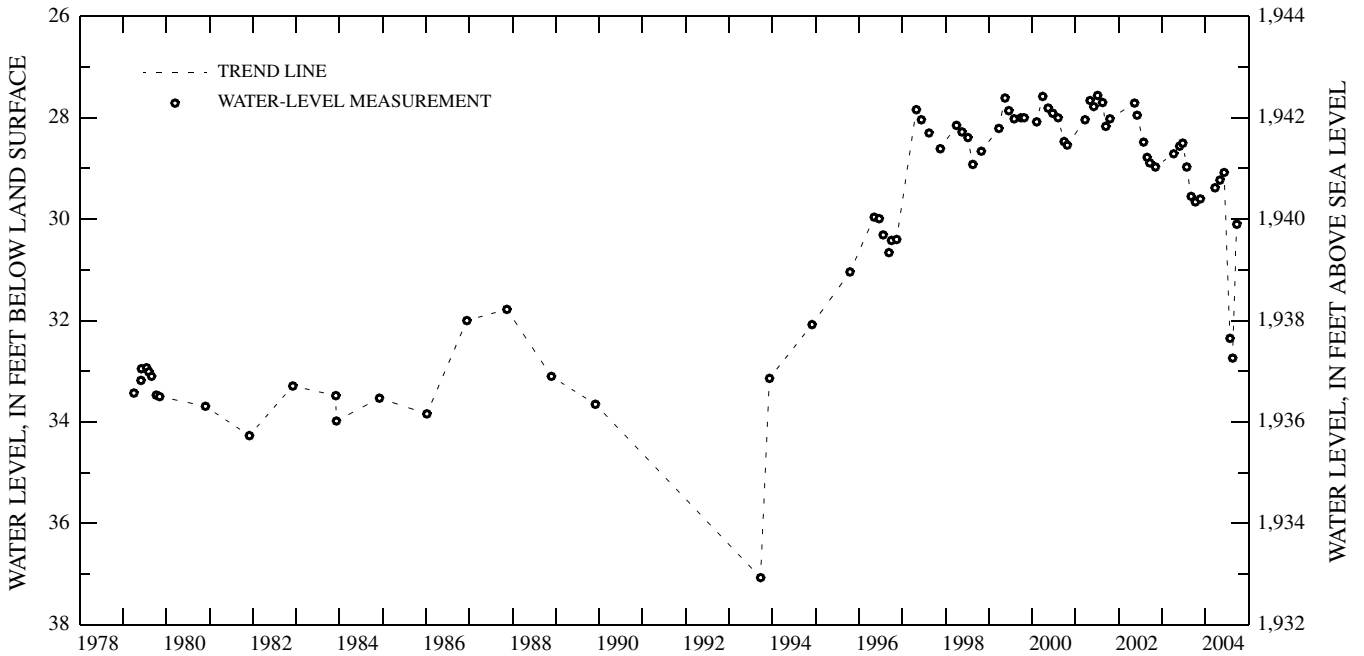
PERIOD OF RECORD.--April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 27.56 ft below land-surface datum, July 6, 2001; lowest water level, 37.07 ft below land-surface datum, September 23, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	29.66	MAR 23	29.38	JUN 08	29.08	JUL 27	32.35	AUG 18	32.74	SEP 22	30.10
NOV 20	29.60	MAY 03	29.23								
WATER YEAR 2004		HIGHEST	29.08	JUN 08, 2004		LOWEST	32.74	AUG 18, 2004			

136-073-35DDD2



GROUND-WATER LEVELS
NETWORK SITES--Continued
McHENRY COUNTY

480913100372501. Local number, 154-077-18CCC.

LOCATION.--Lat 48°09'13", long 100°37'25", Hydrologic Unit 09010003. Owner: North Dakota State Water Commission.

AQUIFER.--New Rockford.

WELL CHARACTERISTICS.--Drilled observation well, depth 260 ft, cased with 173 ft of 4-in diameter plastic pipe, No. 18 slot screen set 173 to 178 ft below land-surface datum.

INSTRUMENTATION.--Water-level recorder May 1976 to current year, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,576.07 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

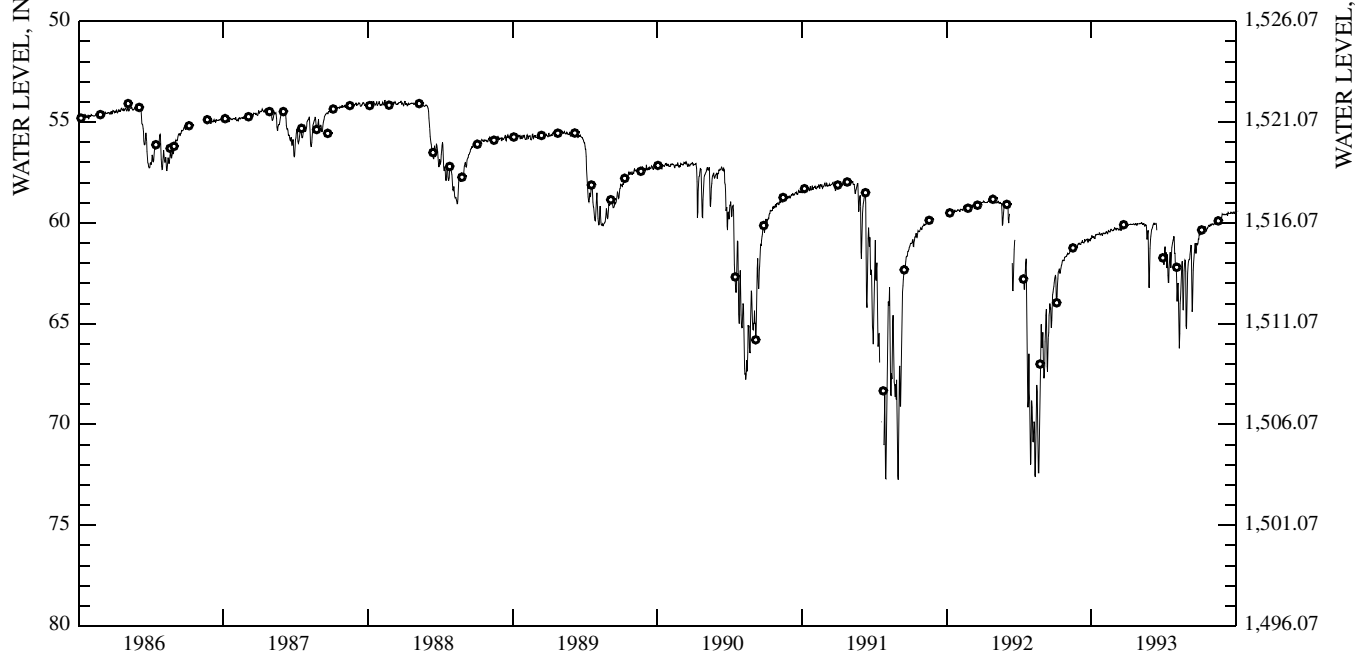
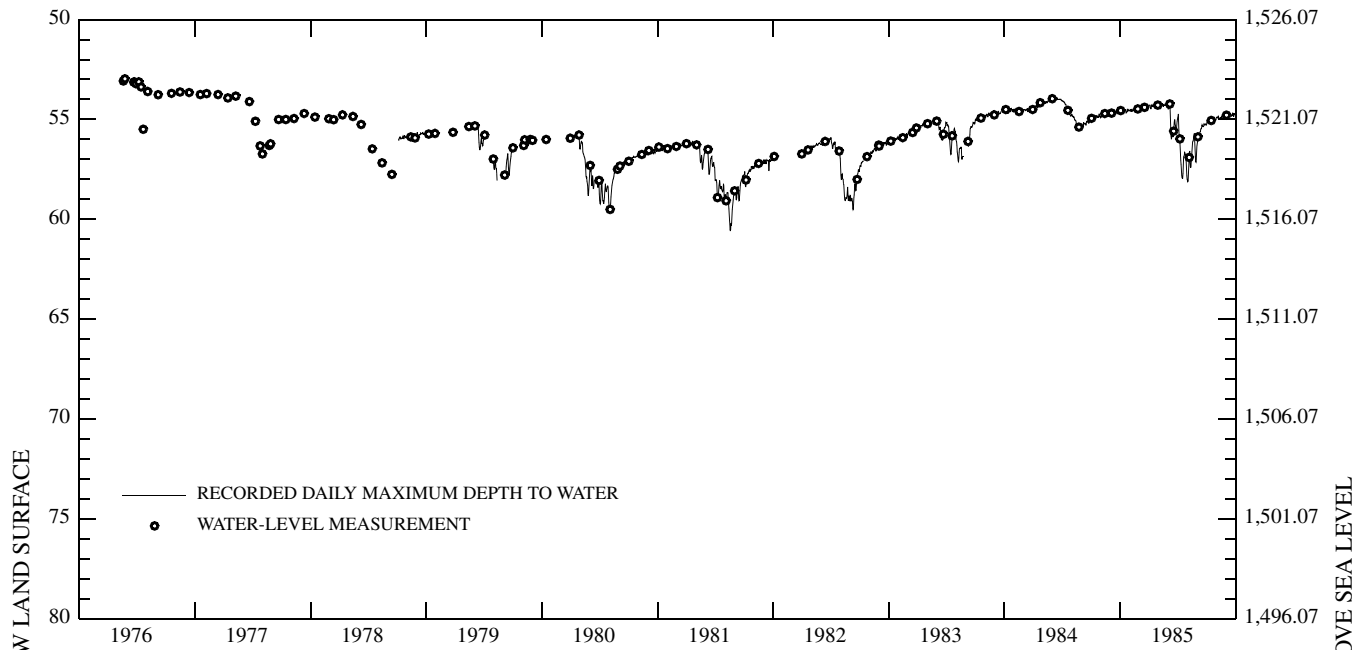
PERIOD OF RECORD.--May 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 52.96 ft below land-surface datum, May 25, 1976; lowest water level, 75.43 ft below land-surface datum, August 1, 1994.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

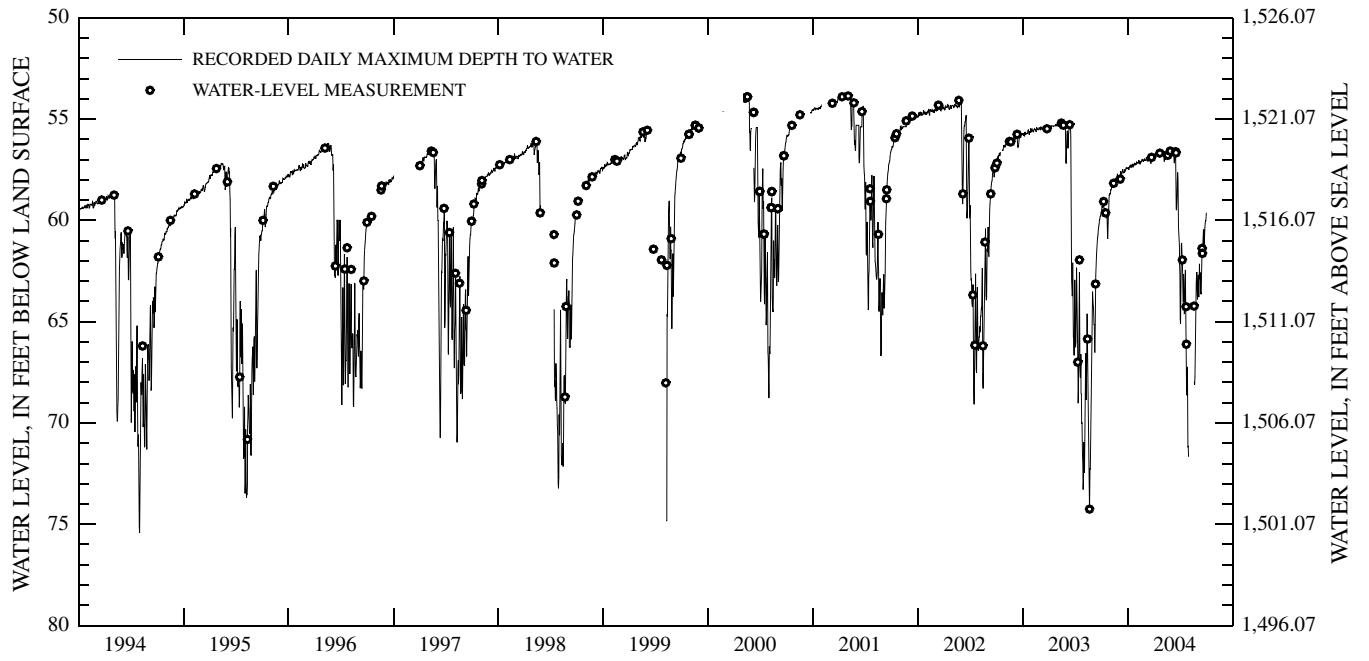
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59.52	58.70	57.92	57.44	57.15	57.02	56.81	56.76	56.56	64.89	71.92	63.02
2	59.43	58.51	57.92	57.37	57.17	57.05	56.92	56.75	56.66	65.11	71.92	62.69
3	59.29	58.51	57.80	57.48	57.17	57.05	56.92	56.69	56.66	64.13	71.92	63.77
4	59.36	58.46	57.79	57.48	57.17	57.02	56.89	56.66	56.61	62.27	71.92	63.77
5	59.36	58.37	57.85	57.48	57.16	56.91	56.69	56.79	56.51	61.17	71.92	62.88
6	59.34	58.33	57.78	57.38	57.17	56.91	56.74	57.08	56.51	61.15	71.92	62.15
7	59.24	58.37	57.57	57.33	57.17	57.05	56.75	57.08	56.46	61.70	71.92	62.90
8	59.13	58.37	57.70	57.36	57.02	57.05	56.76	56.99	56.68	62.21	71.92	62.77
9	59.07	58.26	57.73	57.37	57.10	57.06	56.82	56.95	56.88	62.24	71.92	62.58
10	59.55	58.15	57.73	57.37	57.11	56.96	56.82	57.00	57.16	63.04	71.92	63.51
11	59.60	58.03	57.69	57.25	57.21	57.07	56.81	57.00	57.16	64.03	71.92	63.63
12	59.39	58.20	57.60	57.35	57.22	57.06	56.78	56.90	56.84	64.02	71.92	63.63
13	59.55	58.21	57.56	57.37	57.07	56.89	56.69	56.94	56.75	62.65	71.92	62.97
14	59.76	58.11	57.48	57.29	57.15	57.01	56.69	56.94	56.71	63.09	71.92	62.01
15	59.79	58.01	57.62	57.29	57.15	57.01	56.69	56.85	56.66	64.60	71.92	61.59
16	59.66	58.01	57.65	57.25	57.09	56.97	56.73	56.74	57.49	64.59	71.92	61.63
17	59.63	57.96	57.62	57.35	57.09	56.87	56.75	56.74	59.47	64.03	71.92	61.45
18	59.86	57.93	57.64	57.37	57.04	56.94	56.73	56.73	59.48	63.62	71.92	61.03
19	59.87	57.96	57.64	57.37	57.00	56.93	56.70	56.70	59.25	62.45	67.97	60.70
20	59.62	58.02	57.55	57.25	57.01	57.17	56.67	56.90	58.85	63.19	68.11	60.48
21	60.22	58.07	57.49	57.29	57.02	57.18	56.67	56.90	57.99	65.20	67.73	60.45
22	60.88	58.07	57.57	57.29	57.06	57.05	56.77	56.81	57.64	66.74	66.90	61.21
23	60.91	58.04	57.57	57.20	57.09	56.90	56.76	56.76	57.94	67.98	65.62	61.03
24	60.39	57.97	57.53	57.24	57.09	56.78	56.76	56.71	59.09	68.63	64.55	60.52
25	59.70	57.70	57.43	57.19	57.05	56.89	56.61	56.64	60.32	68.11	63.78	60.36
26	59.46	57.79	57.41	57.21	56.98	56.94	56.69	56.62	60.65	67.23	63.10	60.14
27	59.07	57.98	57.41	57.22	56.97	56.89	56.67	56.60	61.02	69.96	62.70	60.02
28	58.75	58.00	57.41	57.25	57.05	56.82	56.56	56.60	61.29	71.18	62.56	60.02
29	58.75	57.79	57.45	57.23	57.05	56.93	56.73	56.60	62.17	71.17	63.48	59.81
30	58.68	57.85	57.45	57.22	---	56.93	56.76	56.52	62.67	71.67	63.90	59.63
31	58.70	---	57.44	57.10	---	56.93	---	56.45	---	71.92	63.69	---

154-077-18CCC



GROUND-WATER LEVELS
NETWORK SITES--Continued
McHENRY COUNTY--Continued

154-077-18CCC--Continued



NETWORK SITES--Continued

McHENRY COUNTY--Continued

480725100373303. Local number, 154-078-36AAA3.

LOCATION.--Lat 48°07'25", long 100°37'33", Hydrologic Unit 09010003. Owner: North Dakota State Water Commission.

AQUIFER.--Fox Hills.

WELL CHARACTERISTICS.--Drilled observation well, depth 400 ft, cased with 282 ft of 2-in plastic pipe, No. 18 slot screen set 282 to 292 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

DATUM.--Altitude of land-surface datum is 1,546.96 ft. Measuring point: Top of casing 1.79 ft above land-surface datum.

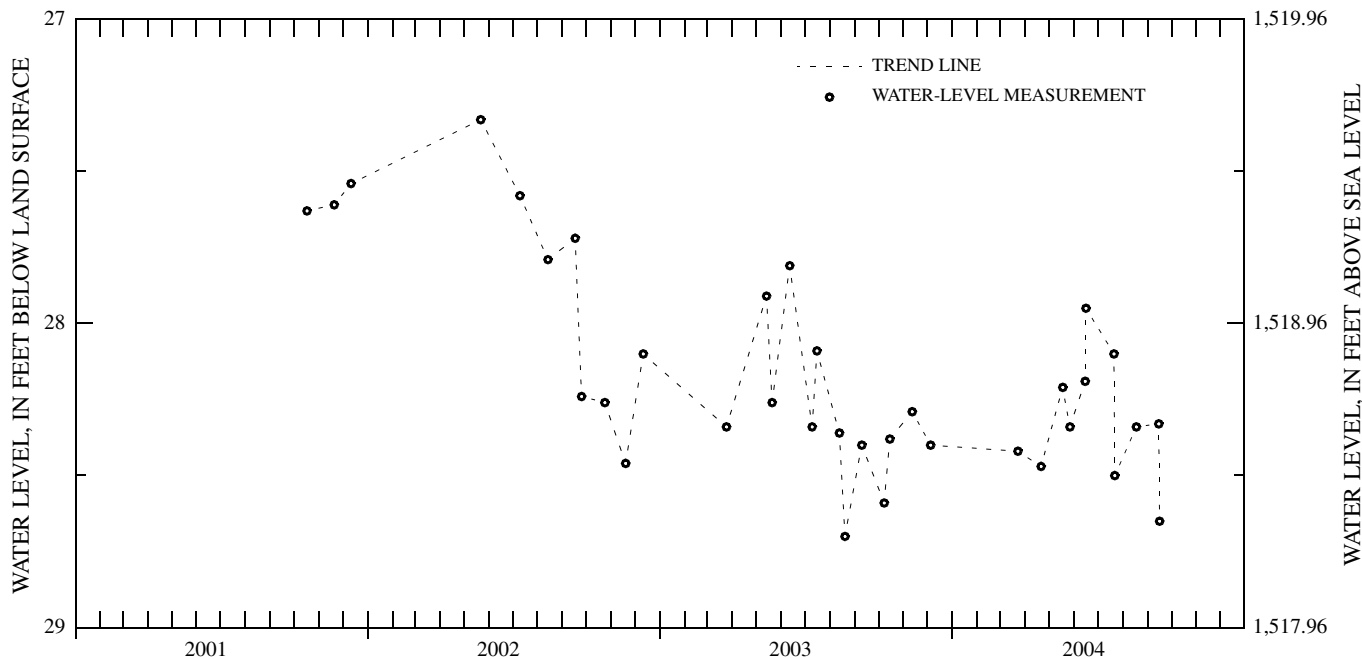
PERIOD OF RECORD.--October 2001 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 27.33 ft below land-surface datum, May 22,2002; lowest water level, 28.70 ft below land-surface datum, August 20, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	28.59	DEC 05	28.40	MAY 18	28.21	JUN 16	27.95	JUL 22	28.50	SEP 15	28.33
OCT 15	28.38	MAR 23	28.42	MAY 27	28.34	JUL 21	28.10	AUG 18	28.34	SEP 16	28.65
NOV 12	28.29	APR 21	28.47	JUN 15	28.19						
WATER YEAR 2004		HIGHEST	27.95	JUN 16, 2004		LOWEST	28.65	SEP 16, 2004			

154-078-36AAA3



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 McHENRY COUNTY--Continued

480725100373304. Local number, 154-078-36AAA4.

LOCATION.--Lat 48°07'25", long 100°37'33", Hydrologic Unit 09010003. Owner: North Dakota State Water Commission.

AQUIFER.--Hell Creek.

WELL CHARACTERISTICS.--Drilled observation well, depth 230 ft, cased with 211 ft of 2-in plastic pipe, No. 18 slot screen set 211 to 221 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

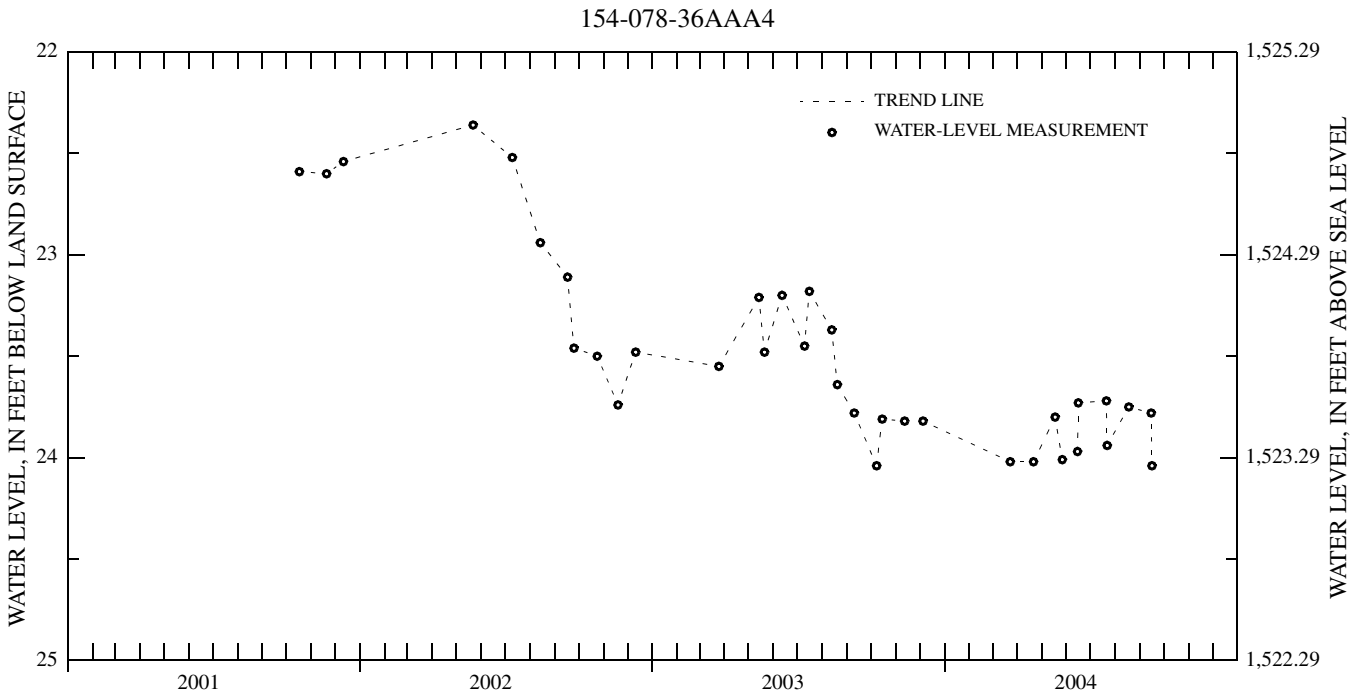
DATUM.--Altitude of land-surface datum is 1,547.29 ft. Measuring point: Top of casing 1.88 ft above land-surface datum.

PERIOD OF RECORD.--October 2001 to present.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 22.36 ft below land-surface datum, May 22, 2002; lowest water level, 24.04 ft below land-surface datum, October 8, 2003 and September 16, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	24.04	DEC 05	23.82	MAY 18	23.80	JUN 16	23.73	JUL 22	23.94	SEP 15	23.78
OCT 15	23.81	MAR 23	24.02	MAY 27	24.01	JUL 21	23.72	AUG 18	23.75	SEP 16	24.04
NOV 12	23.82	APR 21	24.02	JUN 15	23.97						
WATER YEAR 2004		HIGHEST	23.72	JUL 21, 2004		LOWEST	24.04	OCT 08, 2003		SEP 16, 2004	



NETWORK SITES--Continued

McHENRY COUNTY--Continued

481948100305901. Local number, 156-077-13CCB1.

LOCATION.--Lat 48°19'48", long 100°30'59", Hydrologic Unit 09010003. Owner: North Dakota State Water Commission.

AQUIFER.--Denbigh.

WELL CHARACTERISTICS.--Drilled observation well, depth 160 ft, cased with 123 ft of 1.25-in diameter plastic pipe, No. 18 slot screen set 123 to 126 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

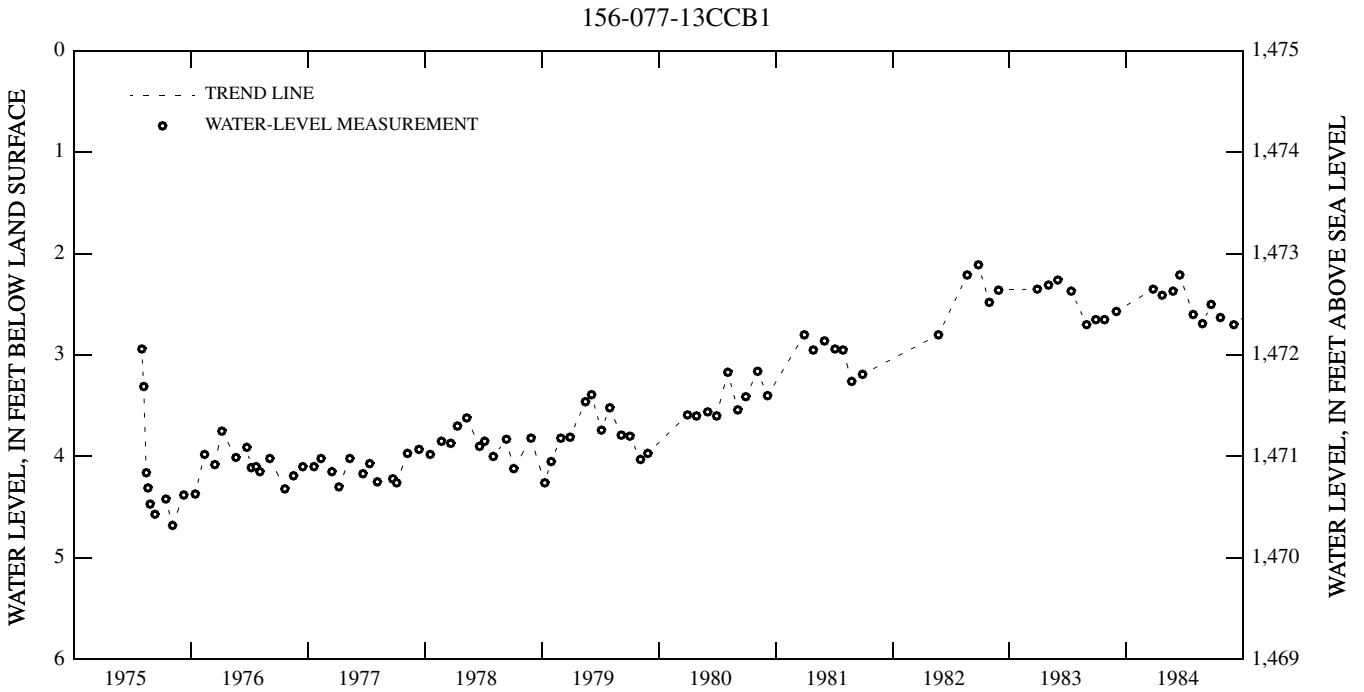
DATUM.--Altitude of land-surface datum is 1,475 ft. Measuring point: Top of casing 1.70 ft above land-surface datum.

PERIOD OF RECORD.--July 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.32 ft below land-surface datum, April 11 and July 17, 2001; lowest water level, 4.68 ft below land-surface datum, November 4, 1975.

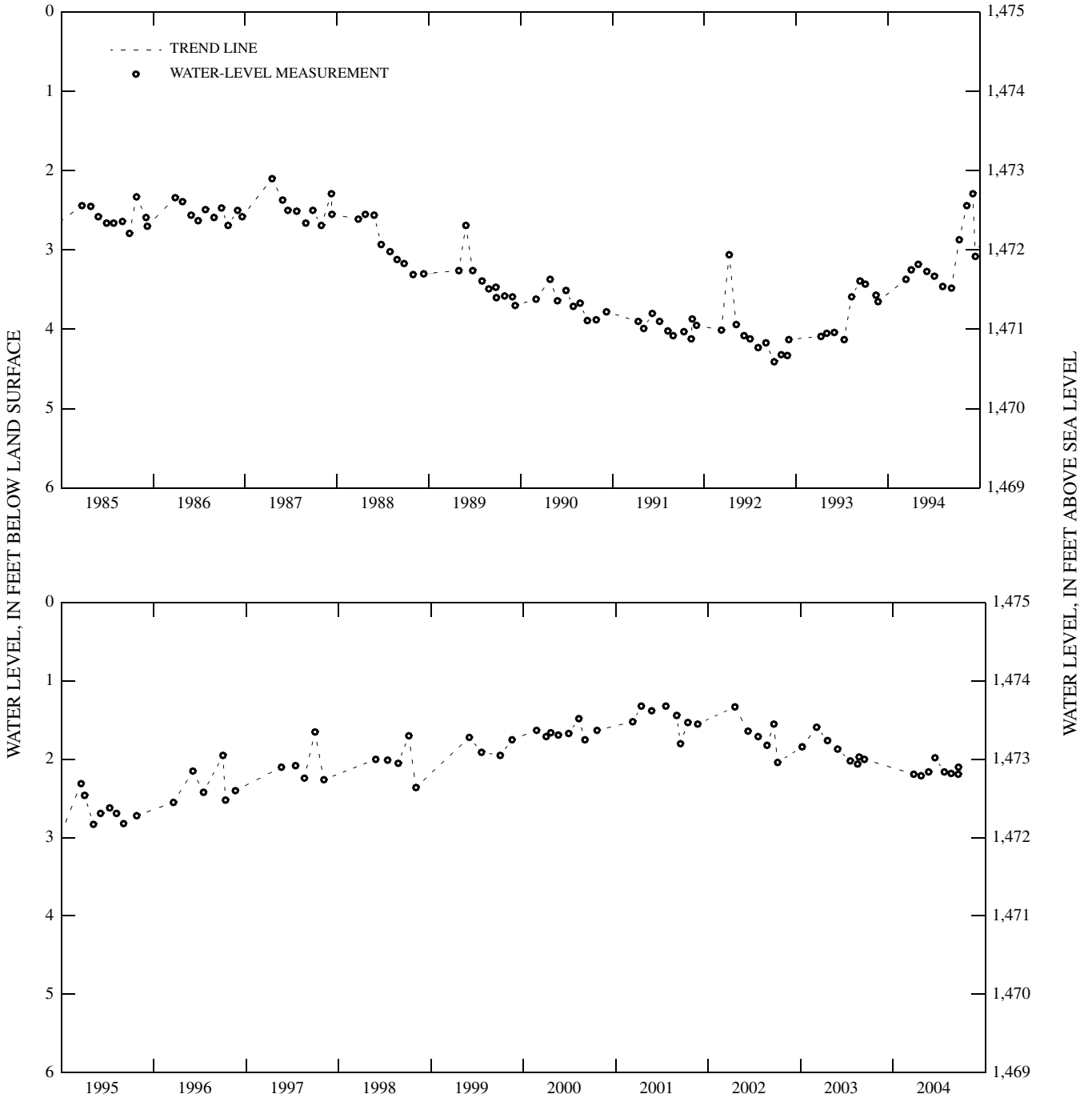
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 23	2.19	MAY 21	2.16	JUL 22	2.16	AUG 18	2.18	SEP 15	2.19	SEP 16	2.10
APR 21	2.21	JUN 15	1.98								
WATER YEAR 2004		HIGHEST	1.98	JUN 15, 2004		LOWEST	2.21	APR 21, 2004			



GROUND-WATER LEVELS
NETWORK SITES--Continued
McHENRY COUNTY--Continued

156-077-13CCB1--Continued



GROUND-WATER LEVELS

NETWORK SITES--Continued

McHENRY COUNTY--Continued

481948100305902. Local number, 156-077-13CCB2.

LOCATION.--Lat 48°19'48", long 100°30'59", Hydrologic Unit 09010003. Owner: North Dakota State Water Commission.

AQUIFER.--Denbigh.

WELL CHARACTERISTICS.--Drilled observation well, depth 60 ft, cased with 53 ft of 1.25-in diameter plastic pipe, No. 18 slot screen set 53 to 56 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

DATUM.--Altitude of land-surface datum is 1,475 ft. Measuring point: Top of casing 1.80 ft above land-surface datum.

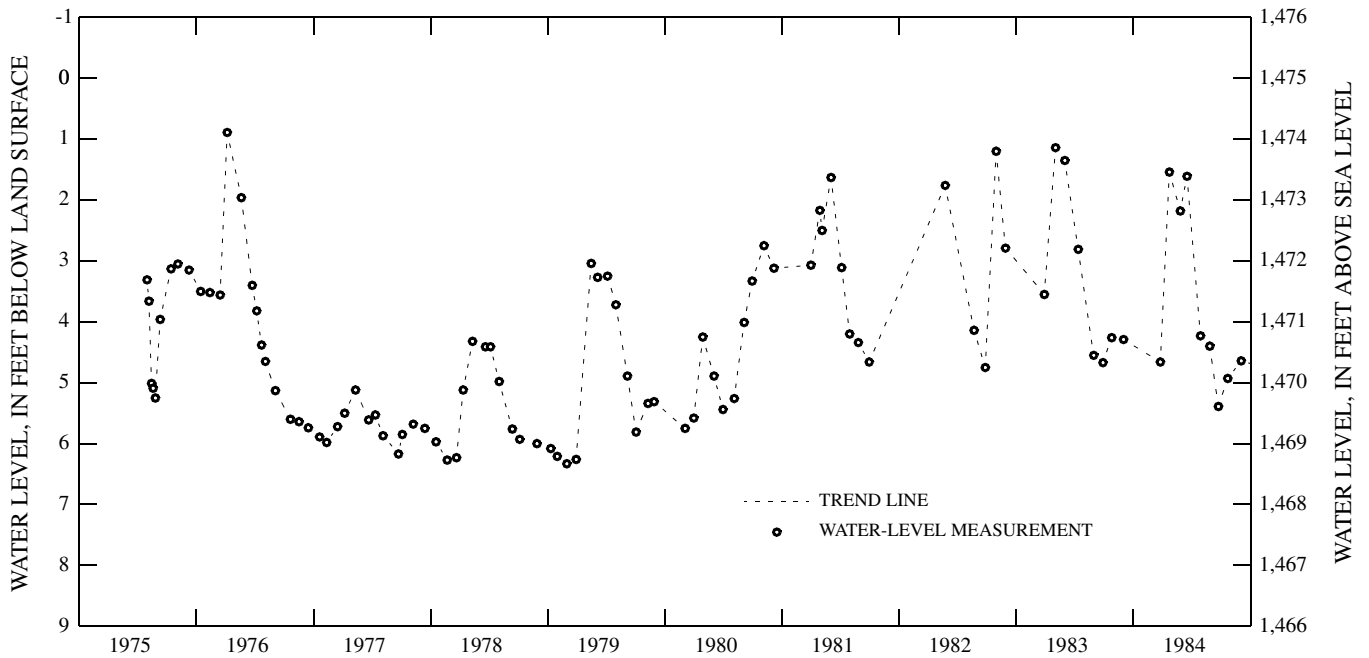
PERIOD OF RECORD.--July 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.05 ft below land-surface datum, June 1, 1999; lowest water level, 7.16 ft below land-surface datum, November 10, 1991.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

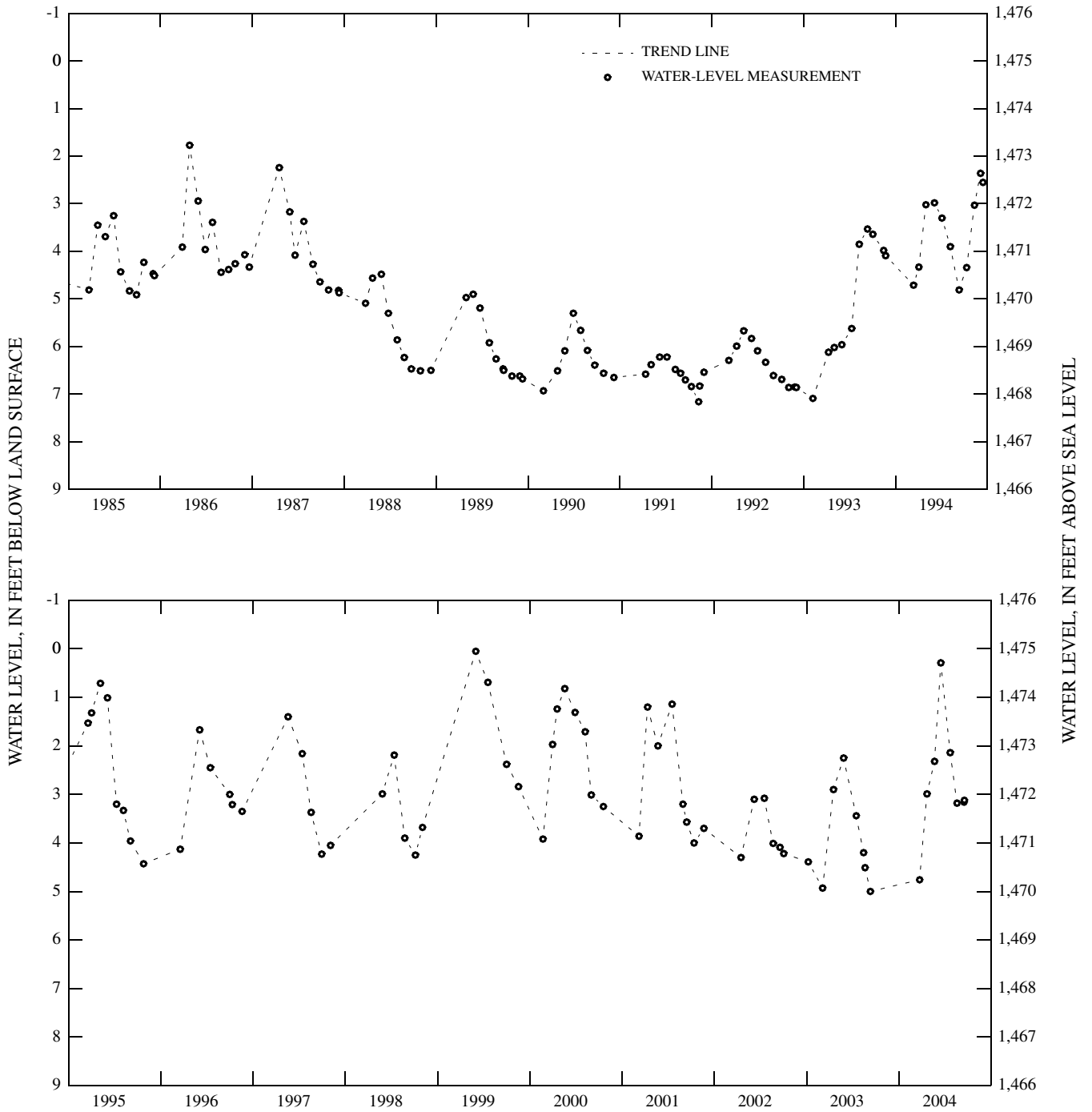
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 23	4.76	MAY 21	2.32	JUL 22	2.14	AUG 18	3.18	SEP 15	3.16	SEP 16	3.12
APR 21	2.99	JUN 15	0.29								
WATER YEAR 2004		HIGHEST	0.29	JUN 15, 2004		LOWEST	4.76	MAR 23, 2004			

156-077-13CCB2



GROUND-WATER LEVELS
NETWORK SITES--Continued
McHENRY COUNTY--Continued

156-077-13CCB2--Continued



NETWORK SITES--Continued

McINTOSH COUNTY

455807099450701. Local number, 129-072-30BBB.

LOCATION.--Lat 45°58'07", long 99°45'07", Hydrologic Unit 10130102. Owner: North Dakota State Water Commission.

AQUIFER.--Zeeland.

WELL CHARACTERISTICS.--Drilled observation well, depth 160 ft, cased with 123 ft of 1.25-in diameter plastic pipe, No. 18 slot screen set 123 to 126 ft below land-surface datum.

INSTRUMENTATION.--Measured using an electric tape.

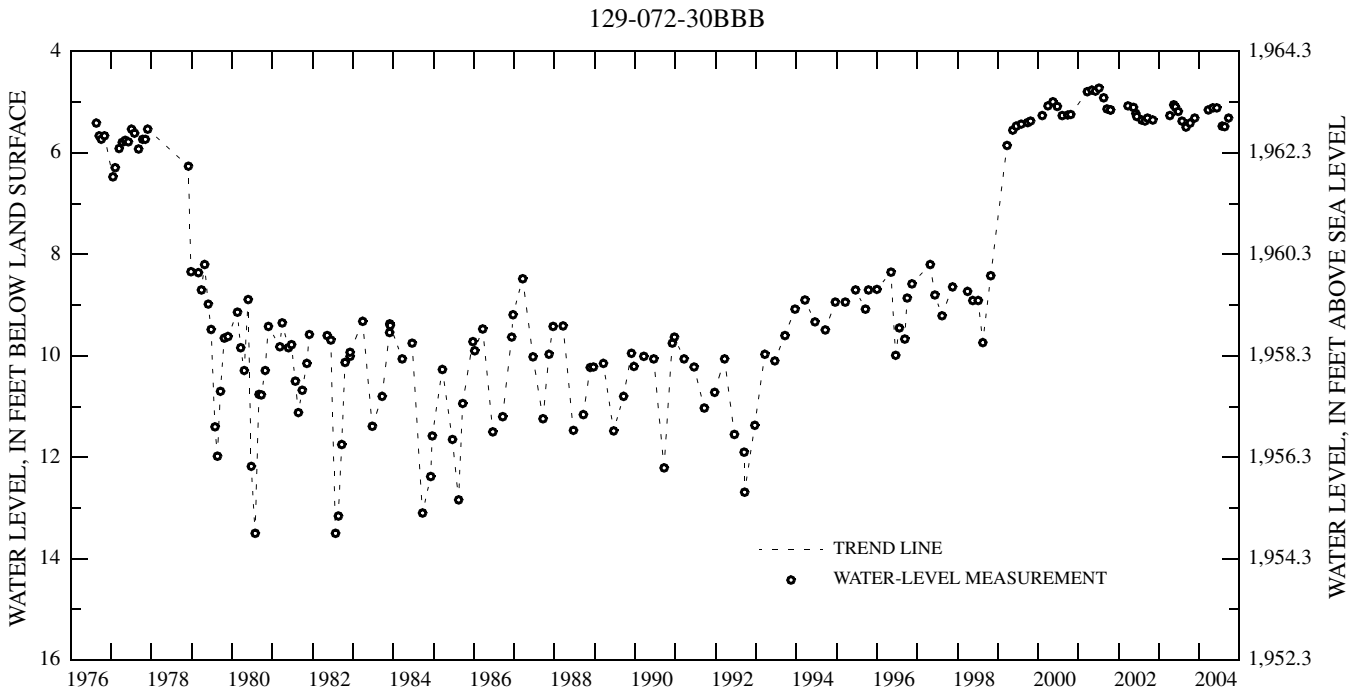
DATUM.--Altitude of land-surface datum is 1,968.3 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

PERIOD OF RECORD.--August 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.72 ft below land-surface datum, July 6, 2001; lowest water level, 13.50 ft below land-surface datum, July 29, 1980, and July 27, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	5.41	MAR 23	5.15	JUN 08	5.11	JUL 27	5.47	AUG 18	5.48	SEP 22	5.31
NOV 20	5.31	MAY 03	5.11								
WATER YEAR 2004		HIGHEST	5.11	MAY 03, 2004		JUN 08, 2004		LOWEST	5.47	JUL 27, 2004	



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 McINTOSH COUNTY--Continued

460411099200701. Local number, 130-069-21BBB1.

LOCATION.--Lat 46°04'11", long 99°20'07", Hydrologic Unit 10130106. Owner: North Dakota State Water Commission.

AQUIFER.--Spring Creek.

WELL CHARACTERISTICS.--Drilled observation well, depth 223 ft, cased with 177 ft of 1.25-in diameter plastic pipe, No. 18 slot screen set 177 to 180 ft below land-surface datum.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 2,033 ft. Measuring point: Top of casing 2.20 ft above land-surface datum.

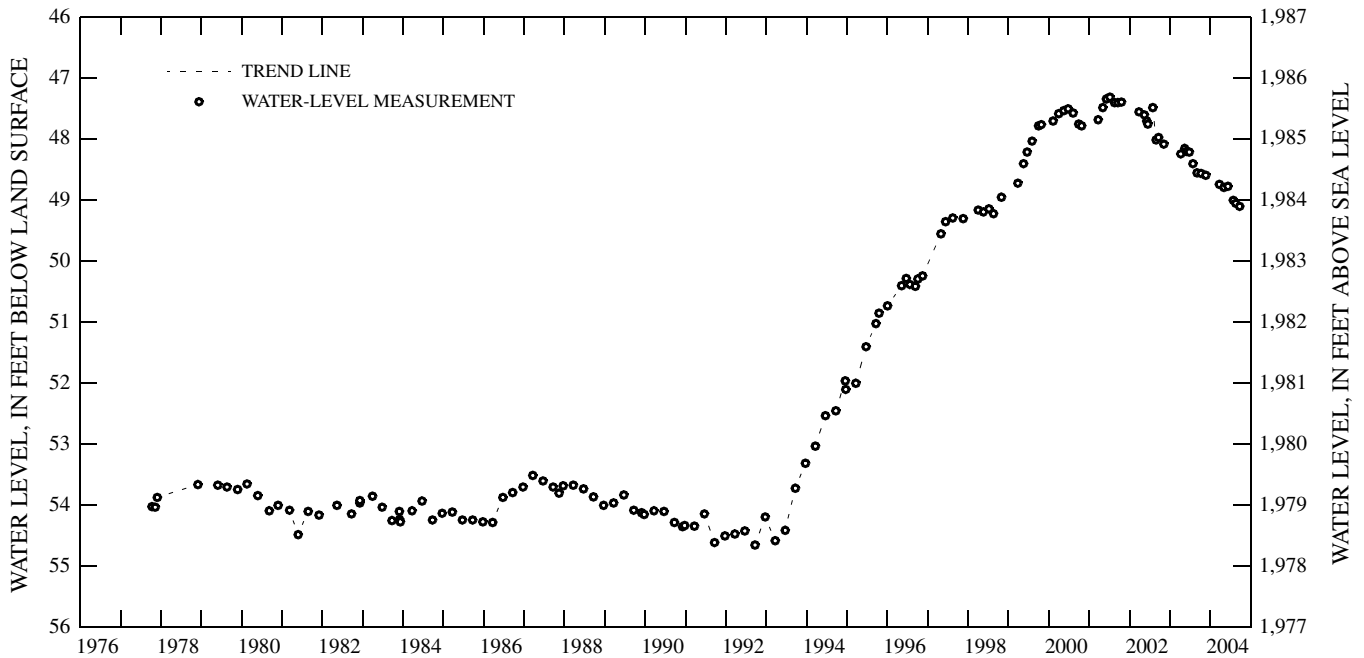
PERIOD OF RECORD.--October 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 47.31 ft below land-surface datum, July 6, 2001; lowest water level, 54.65 ft below land-surface datum, September 20, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	48.56	MAR 23	48.74	JUN 08	48.77	JUL 27	49.00	AUG 18	49.05	SEP 22	49.10
NOV 20	48.59	MAY 03	48.79								
WATER YEAR 2004		HIGHEST	48.56	OCT 10, 2003		LOWEST	49.10	SEP 22, 2004			

130-069-21BBB1



GROUND-WATER LEVELS

NETWORK SITES--Continued

McINTOSH COUNTY--Continued

460411099200702. Local number, 130-069-21BBB2.

LOCATION.--Lat 46°04'11", long 99°20'07", Hydrologic Unit 10130106. Owner: North Dakota State Water Commission.

AQUIFER.--Spring Creek.

WELL CHARACTERISTICS.--Drilled observation well, depth 102 ft, cased with 97 ft of 1.25-in diameter plastic pipe, No. 18 slot screen set 97 to 100 ft below land-surface datum.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 2,033 ft. Measuring point: Top of casing 2.40 ft above land-surface datum.

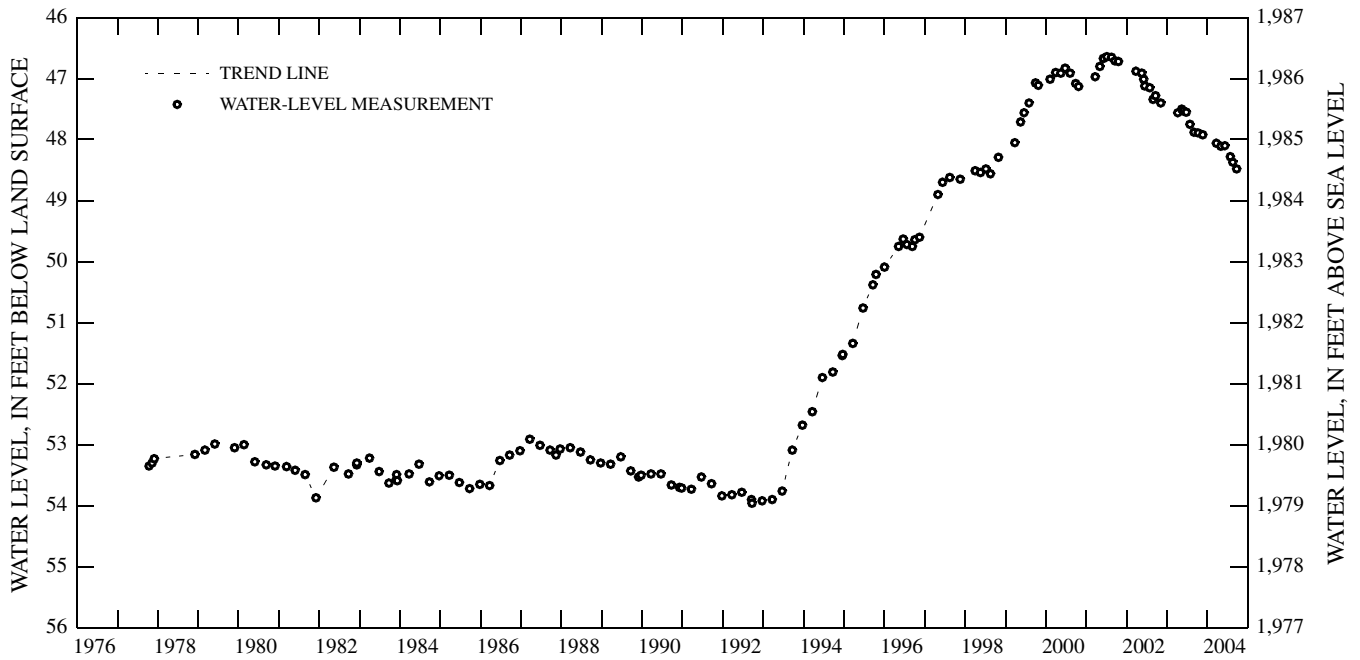
PERIOD OF RECORD.--October 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 46.64 ft below land-surface datum, July 6, 2001; lowest water level, 53.96 ft below land-surface datum, September 20, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	47.89	MAY 23	48.06	JUN 08	48.10	JUL 27	48.28	AUG 18	48.37	SEP 22	48.48
NOV 20	47.92	MAY 03	48.11								
WATER YEAR 2004		HIGHEST	47.89	OCT 10, 2003		LOWEST	48.48	SEP 22, 2004			

130-069-21BBB2



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 McINTOSH COUNTY--Continued

461446099312801. Local number, 132-071-14DDD1.

LOCATION.--Lat 46°14'46", long 99°31'28", Hydrologic Unit 10130104. Owner: North Dakota State Water Commission.

AQUIFER.--Wishek.

WELL CHARACTERISTICS.--Drilled observation well, depth 182 ft, cased with 118 ft of 1.25-in diameter plastic pipe, No. 18 slot screen set 118 to 121 ft below land-surface datum.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 2,028 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

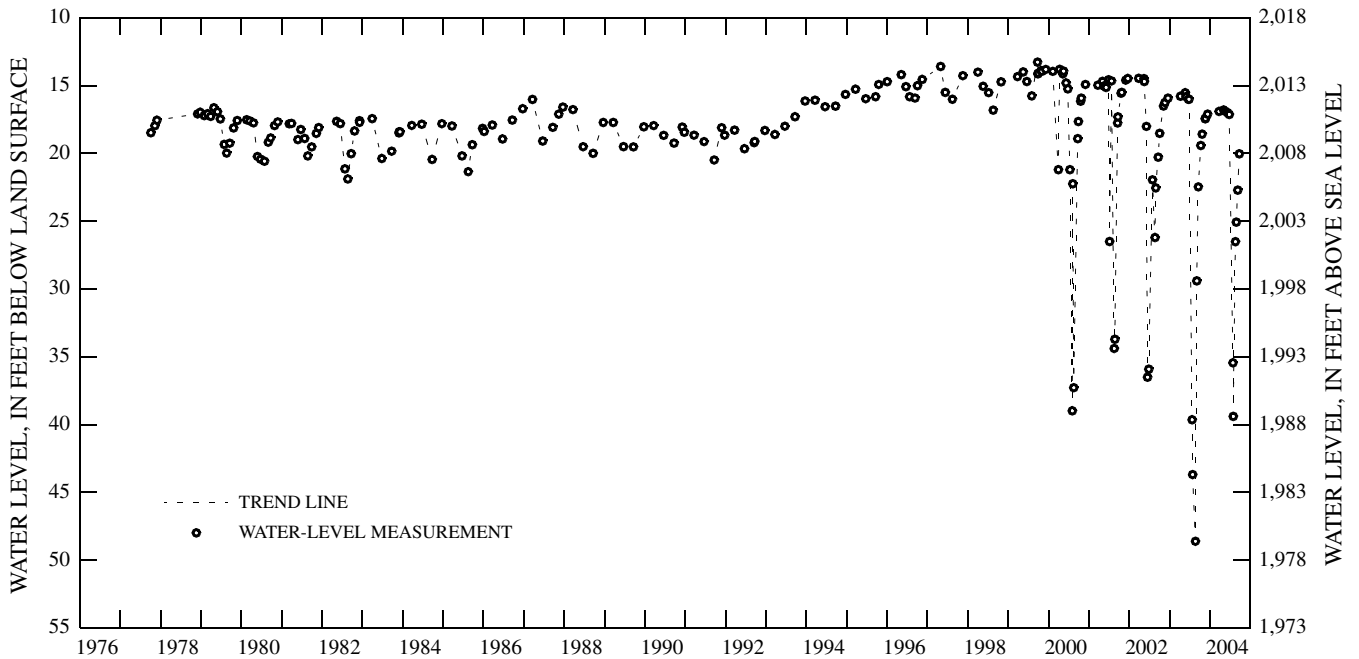
PERIOD OF RECORD.--October 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 13.26 ft below land-surface datum, September 23, 1999; lowest water level, 48.60 ft below land-surface datum, August 22, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	19.41	NOV 20	17.40	MAY 03	16.79	JUN 23	17.12	AUG 18	26.50	SEP 22	20.02
OCT 22	18.57	DEC 10	17.10	MAY 20	16.89	JUL 27	35.44	AUG 26	25.06		
NOV 19	17.44	MAR 23	16.90	JUN 08	16.99	JUL 29	39.39	SEP 08	22.70		
WATER YEAR 2004		HIGHEST	16.79	MAY 03, 2004		LOWEST	39.39	JUL 29, 2004			

132-071-14DDD1



GROUND-WATER LEVELS

NETWORK SITES--Continued

McINTOSH COUNTY--Continued

461446099312802. Local number, 132-071-14DDD2.

LOCATION.--Lat 46°14'46", long 99°31'28", Hydrologic Unit 10130104. Owner: North Dakota State Water Commission.

AQUIFER.--Wishek.

WELL CHARACTERISTICS.--Drilled observation well, depth 50 ft, cased with 38 ft of 1.25-in diameter plastic pipe, No. 18 slot screen set 38 to 41 ft below land-surface datum.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 2,028 ft. Measuring point: Top of casing 2.20 ft above land-surface datum.

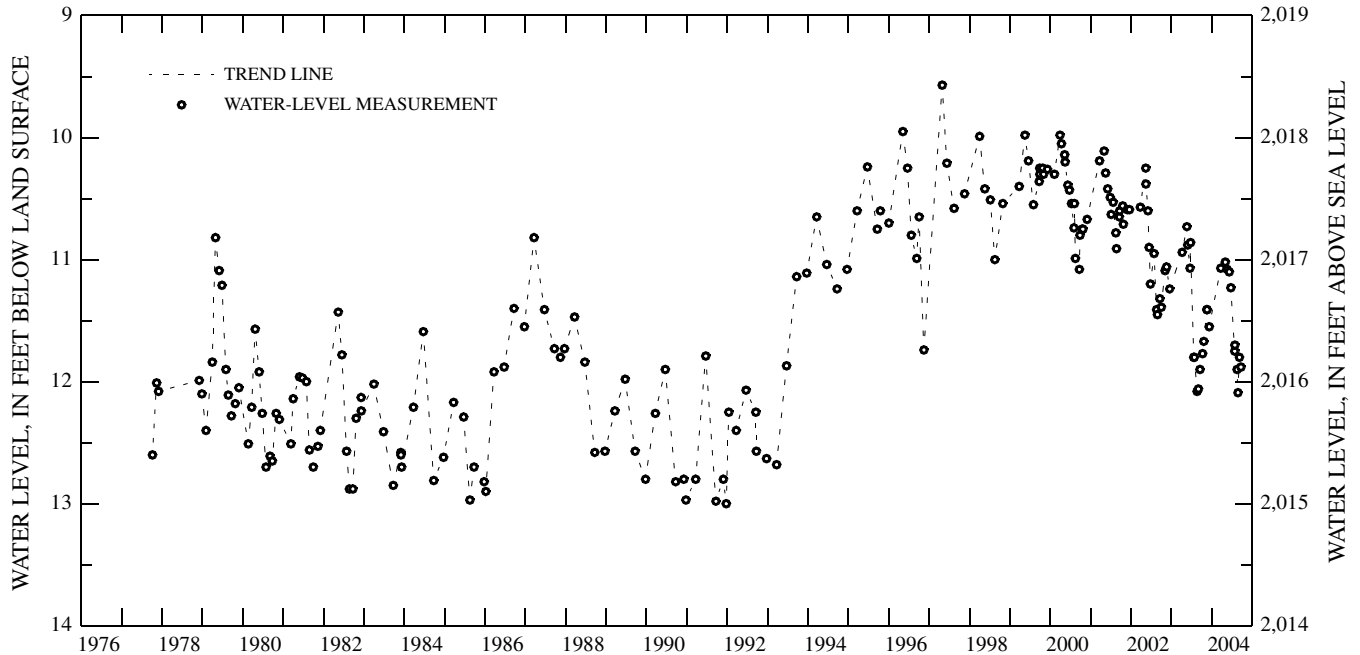
PERIOD OF RECORD.--October 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 9.57 ft below land-surface datum, April 29, 1997; lowest water level, 13.00 ft below land-surface datum, December 23, 1991.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	11.77	NOV 20	11.41	MAY 03	11.02	JUN 23	11.23	AUG 18	11.90	SEP 22	11.88
OCT 22	11.67	DEC 10	11.55	MAY 20	11.08	JUL 27	11.75	AUG 26	12.09		
NOV 19	11.41	MAR 23	11.07	JUN 08	11.10	JUL 29	11.70	SEP 08	11.80		
WATER YEAR 2004		HIGHEST	11.02	MAY 03, 2004		LOWEST	12.09	AUG 26, 2004			

132-071-14DDD2



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 MCKENZIE COUNTY

474814103104702. Local number, 150-098-23AAB2.

LOCATION.--Lat 47°48'14", long 103°10'47", Hydrologic Unit 10110205. Owner: North Dakota State Water Commission.

AQUIFER.--Cherry Creek.

WELL CHARACTERISTICS.--Drilled observation well, depth 120 ft, cased with 98 ft of 2-in diameter plastic pipe, No. 18 slot screen set 98 to 103 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

DATUM.--Altitude of land-surface datum is 2,002.58 ft. Measuring point: Top of casing 2.45 ft above land-surface datum.

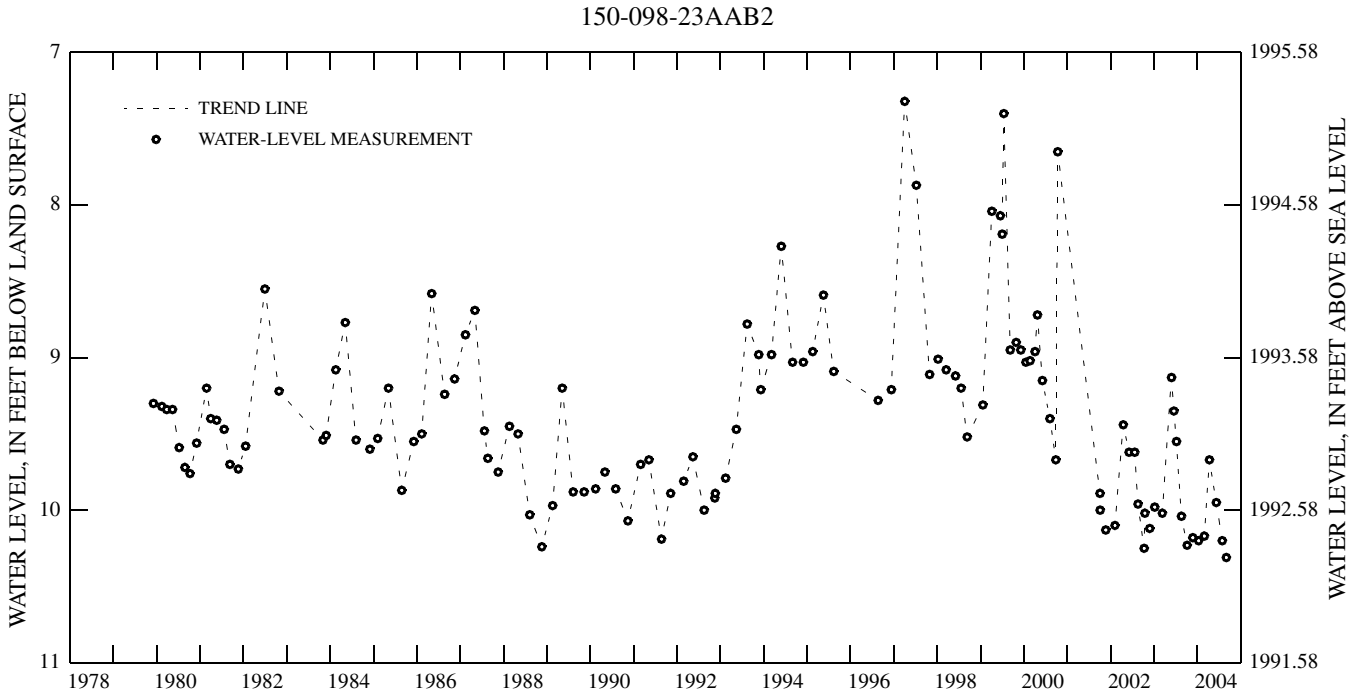
PERIOD OF RECORD.--December 1979 to current year.

REMARKS.--Replacement well for well at 150-098-23AAB that was inadvertently destroyed. Water levels reflect the original well and the replacement well.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.32 ft below land-surface datum, April 2, 1997; lowest water level, 10.31 ft below land-surface datum, September 1, 2004. Extremes for period of record are a combination of the original well and the replacement well.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 07	10.23	JAN 12	10.20	APR 12	9.67	JUN 09	9.95	JUL 29	10.20	SEP 01	10.31
NOV 24	10.18	FEB 29	10.17								
WATER YEAR 2004		HIGHEST	9.67	APR 12, 2004	LOWEST	10.31	SEP 01, 2004				



NETWORK SITES--Continued

McLEAN COUNTY

474026100583201. Local number, 148-081-03AAB.

LOCATION.--Lat 47°40'26", long 100°58'32", Hydrologic Unit 10130101. Owner: North Dakota State Water Commission.

AQUIFER.--Horseshoe Valley.

WELL CHARACTERISTICS.--Drilled observation well, depth 60 ft, cased with 40 ft of 4-in diameter plastic pipe, slotted 35 to 40 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape October 1997 to current year. Water-level recorder December 1967 to October 1997. Only intermittent low and EOM water levels, obtained from strip-chart recorders, are available from the District office for December 1967 to January 1975. From January 1975 to October 1997, daily maximum and minimum recorded water levels also are available.

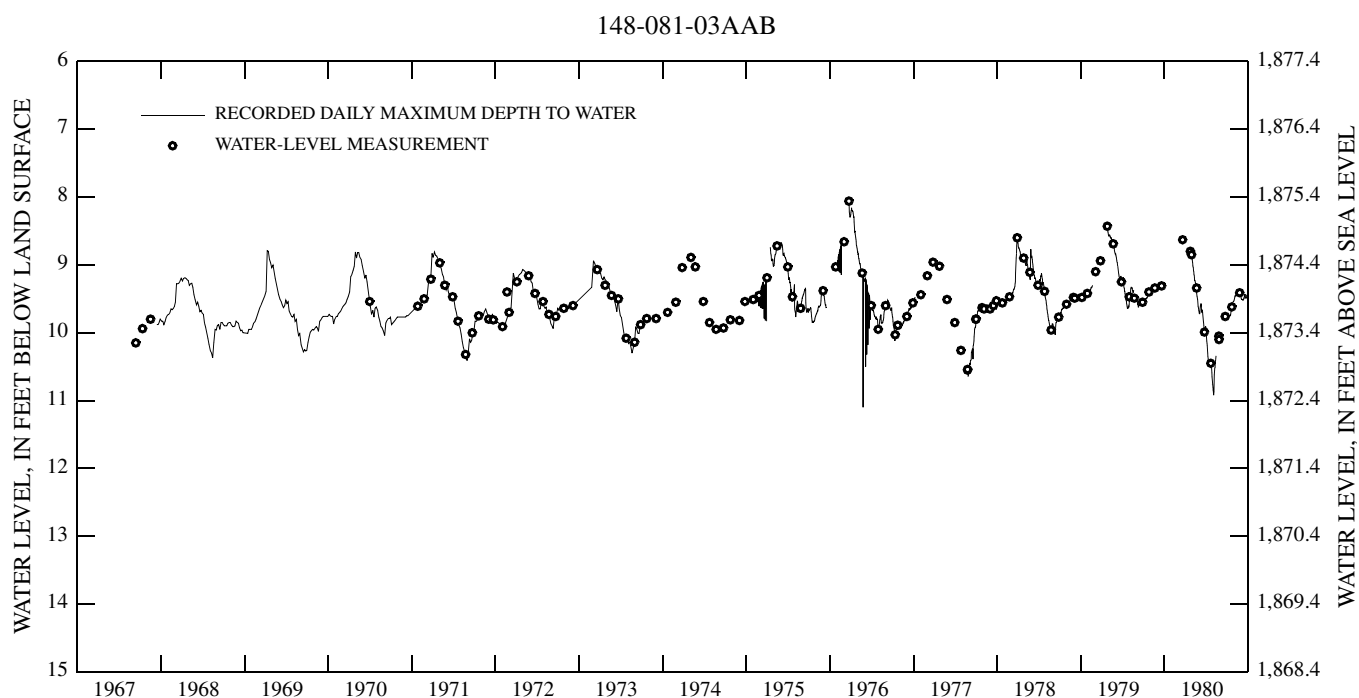
DATUM.--Altitude of land-surface datum is 1,883.4 ft. Measuring point: Top of casing 1.40 ft above land-surface datum.

PERIOD OF RECORD.--September 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.04 ft below land-surface datum, April 11, 1996; lowest water level, 14.14 ft below land-surface datum, September 3, 1991.

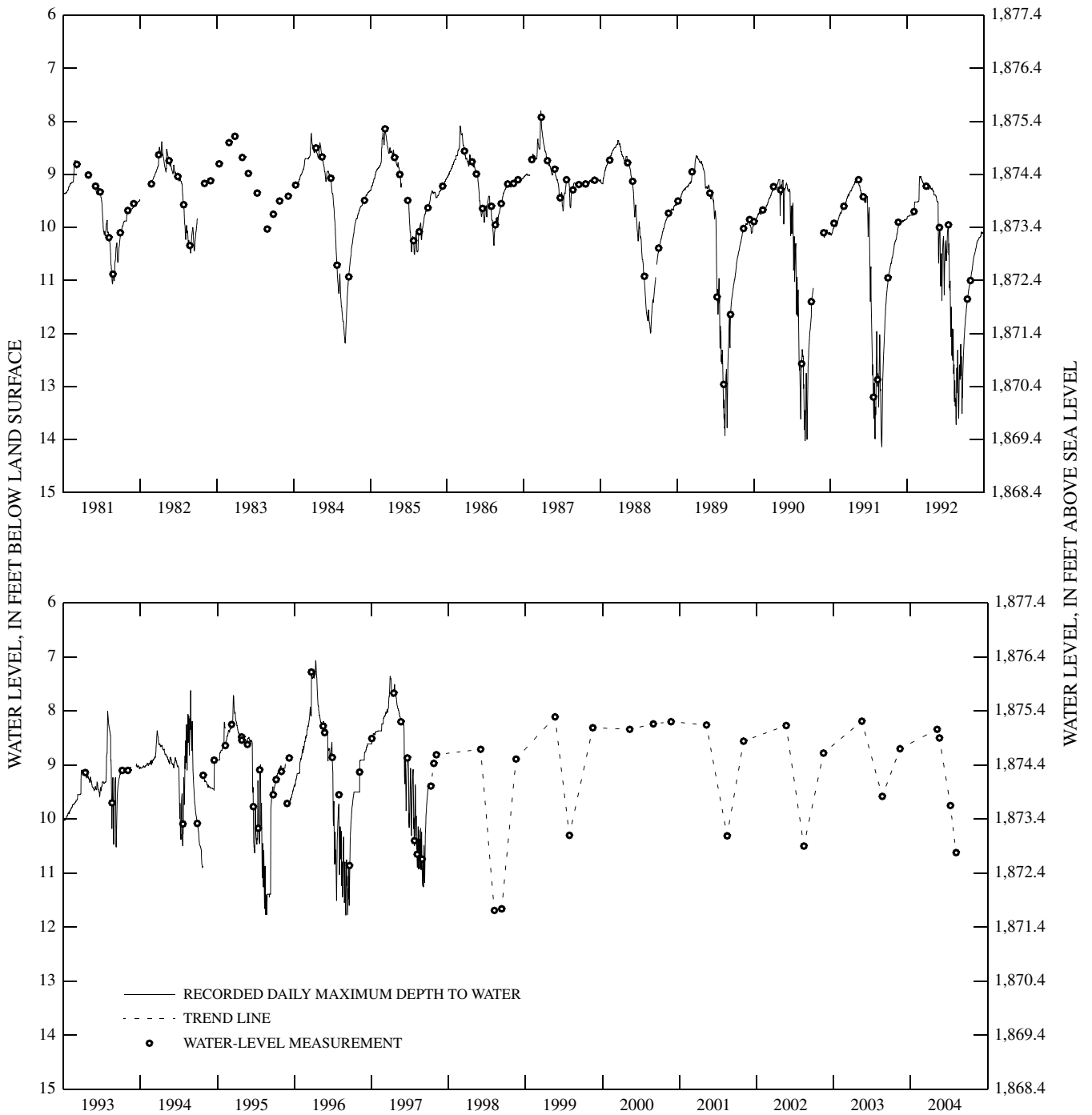
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 12	8.70	MAY 06	8.34	MAY 17	8.50	JUL 08	9.75	AUG 04	10.62
WATER YEAR 2004		HIGHEST	8.34	MAY 06, 2004		LOWEST	10.62	AUG 04, 2004	



GROUND-WATER LEVELS
NETWORK SITES--Continued
McLEAN COUNTY--Continued

148-081-03AAB--Continued



NETWORK SITES--Continued

MERCER COUNTY

472641102105901. Local number, 146-090-20CCC.

LOCATION.--Lat 47°26'41", long 102°10'59", Hydrologic Unit 10130201. Owner: North Dakota State Water Commission.

AQUIFER.--Fox Hills.

WELL CHARACTERISTICS.--Drilled observation well, depth 1,860 ft, cased with 1,540 ft of 4-in diameter steel pipe, open ended.

INSTRUMENTATION.--Measured using a steel tape.

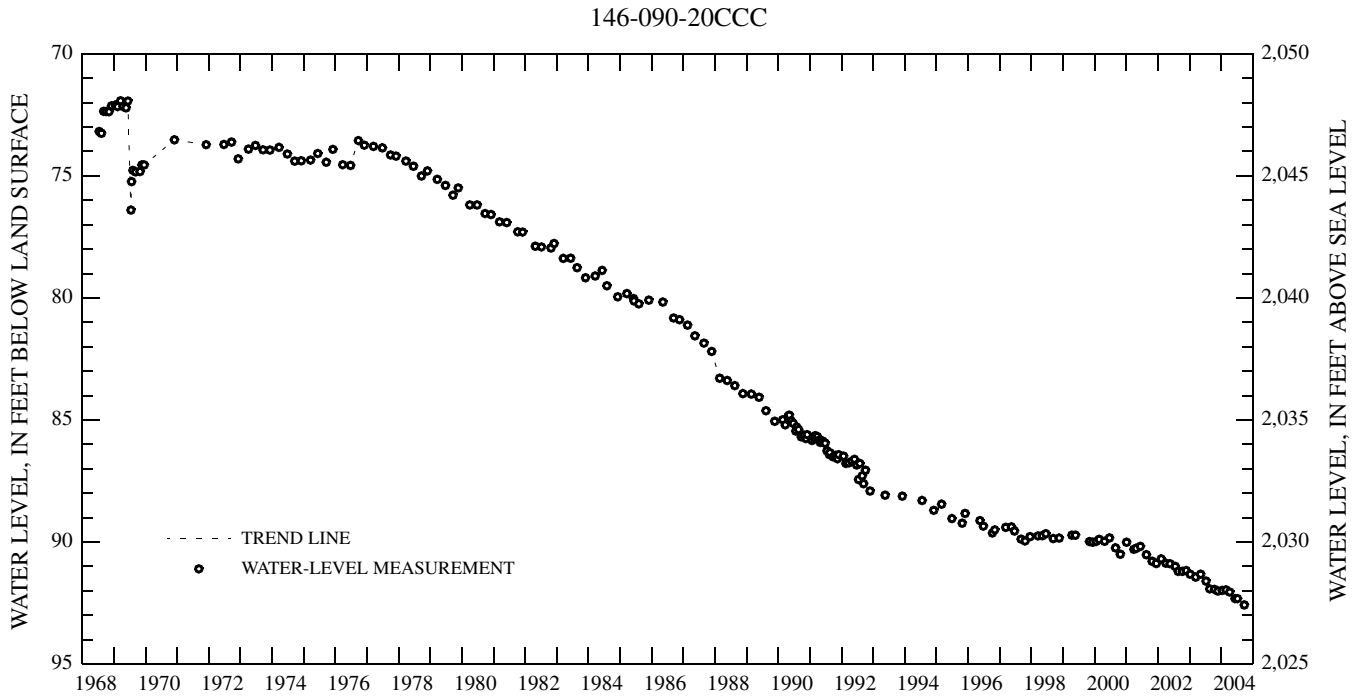
DATUM.--Altitude of land-surface datum is 2,120 ft. Measuring point: Top of casing 0.50 ft above land-surface datum.

PERIOD OF RECORD.--July 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 71.92 ft below land-surface datum, March 18, 1969; lowest water level, 92.58 ft below land-surface datum, September 23, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	91.94	JAN 13	91.98	APR 08	92.05	JUN 09	92.32	JUL 07	92.32	SEP 23	92.58
NOV 24	92.01	FEB 25	91.96								
WATER YEAR 2004		HIGHEST	91.94	OCT 15, 2003		LOWEST	92.58	SEP 23, 2004			



GROUND-WATER LEVELS
NETWORK SITES--Continued
MORTON COUNTY

464734100543501. Local number, 138-081-09ABB1.

LOCATION.--Lat 46°47'34", long 100°54'35", Hydrologic Unit 10130203. Owner: North Dakota State Water Commission. screen set 525 to 537 ft below land-surface datum.

AQUIFER.--Fox Hills.

WELL CHARACTERISTICS.--Drilled observation well, depth 762 ft, cased with 525 ft of 2-in diameter steel pipe, No. 12 slot screen set 525 to 537 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

DATUM.--Altitude of land-surface datum is 1,780 ft. Measuring point: Top of casing 3.50 ft above land-surface datum.

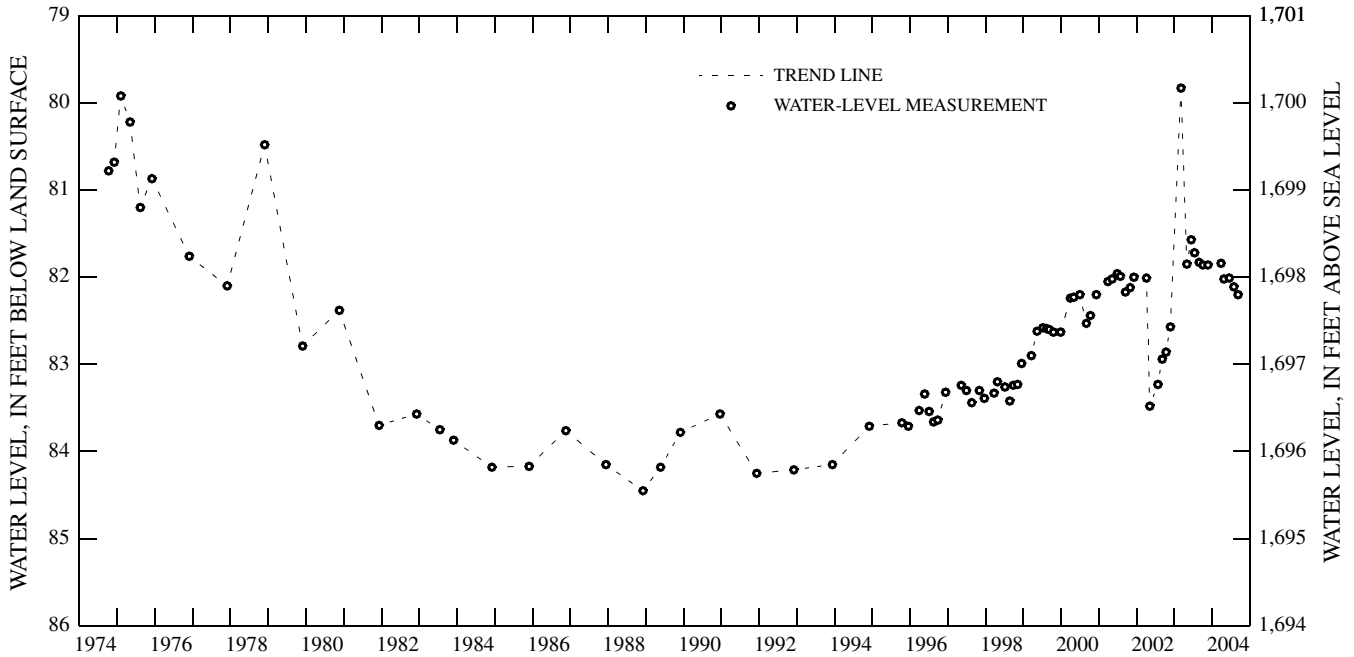
PERIOD OF RECORD.--October 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 79.83 ft below land-surface datum, March 5, 2003; lowest water level, 84.45 ft below land-surface datum, December 5, 1988.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 03	81.86	MAR 26	81.84	APR 23	82.02	JUN 14	82.01	JUL 28	82.11	SEP 07	82.20
NOV 21	81.86										
WATER YEAR 2004		HIGHEST	81.84	MAR 26, 2004		LOWEST	82.20	SEP 07, 2004			

138-081-09ABB1



NETWORK SITES--Continued

MORTON COUNTY--Continued

464734100543502. Local number, 138-081-09ABB2.

LOCATION.--Lat 46°47'34", long 100°54'35", Hydrologic Unit 10130203. Owner: North Dakota State Water Commission.

AQUIFER.--Hell Creek.

WELL CHARACTERISTICS.--Drilled observation well, depth 362 ft, cased with 336 ft of 2-in diameter steel pipe, No. 12 slot screen set 336 to 348 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

DATUM.--Altitude of land-surface datum is 1,780 ft. Measuring point: Top of casing 3.50 ft above land-surface datum.

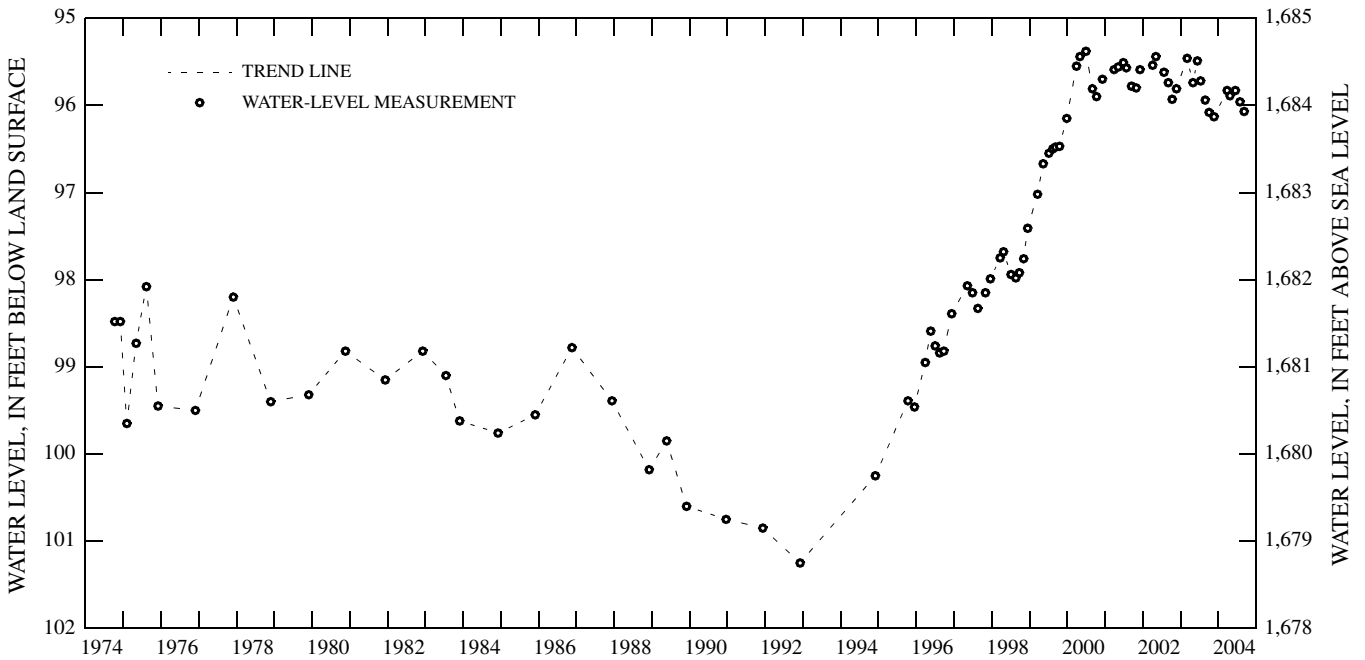
PERIOD OF RECORD.--October 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 95.38 ft below land-surface datum, June 29, 2000; lowest water level, 101.25 ft below land-surface datum, December 4, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 03	96.08	MAR 26	95.83	APR 23	95.89	JUN 14	95.83	JUL 28	95.96	SEP 07	96.07
NOV 21	96.13										
WATER YEAR 2004		HIGHEST	95.83	MAR 26, 2004 JUN 14, 2004		LOWEST	96.13	NOV 21, 2003			

138-081-09ABB2



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 MORTON COUNTY--Continued

464734100543504. Local number, 138-081-09ABB4.

LOCATION.--Lat 46°47'34", long 100°54'35", Hydrologic Unit 10130203. Owner: North Dakota State Water Commission.

AQUIFER.--Cannonball-Ludlow.

WELL CHARACTERISTICS.--Drilled observation well, depth 162 ft, cased with 153 ft of 1.25-in diameter plastic pipe, No. 12 slot screen set 153 to 159 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

DATUM.--Altitude of land-surface datum is 1,780 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

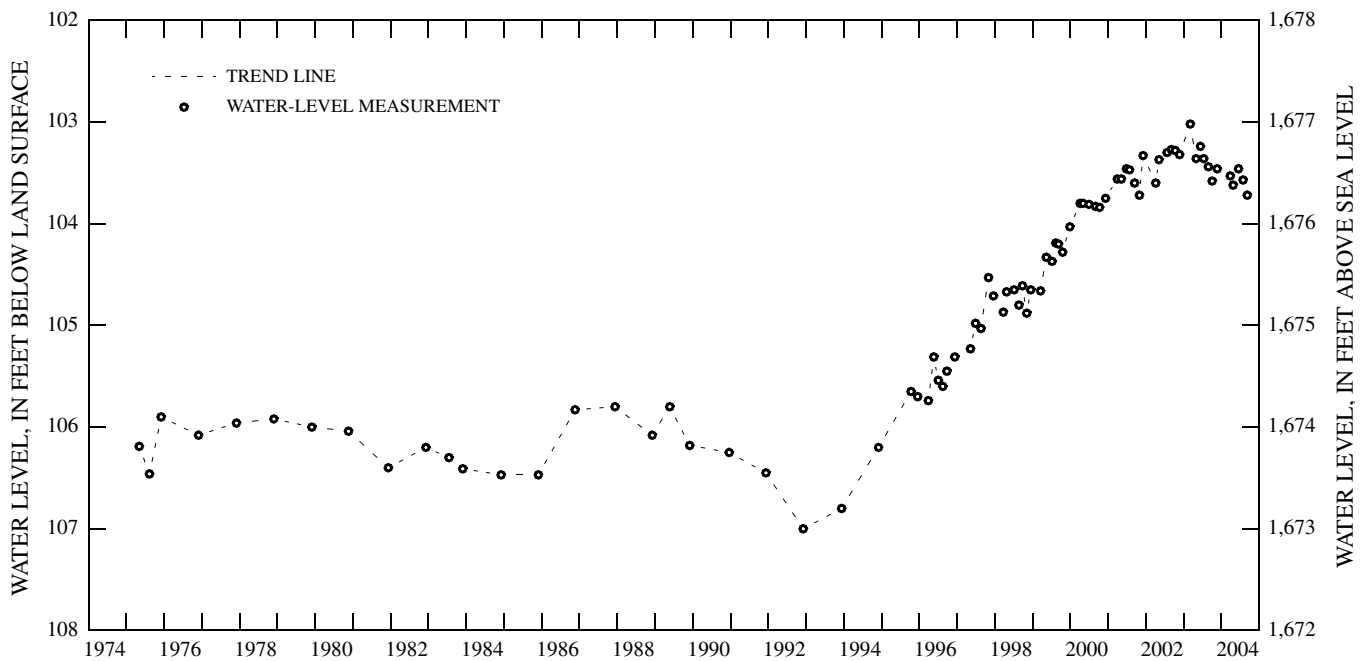
PERIOD OF RECORD.--May 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 103.02 ft below land-surface datum, March 5, 2003; lowest water level, 107.00 ft below land-surface datum, December 4, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 03	103.58	MAR 26	103.53	APR 23	103.62	JUN 14	103.46	JUL 28	103.57	SEP 07	103.72
NOV 21	103.46										
WATER YEAR 2004		HIGHEST	103.46	NOV 21, 2003	JUN 14, 2004	LOWEST	103.72	SEP 07, 2004			

138-081-09ABB4



NETWORK SITES--Continued

MORTON COUNTY--Continued

464847101303801. Local number, 139-086-35BCC.

LOCATION.--Lat 46°48'47", long 101°30'38", Hydrologic Unit 10130203. Owner: North Dakota State Water Commission.

AQUIFER.--Sims.

WELL CHARACTERISTICS.--Drilled observation well, depth 140 ft, cased with 57 ft of 1.25-in diameter plastic pipe, No. 12 slot screen set 57 to 63 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

DATUM.--Altitude of land-surface datum is 2,010 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

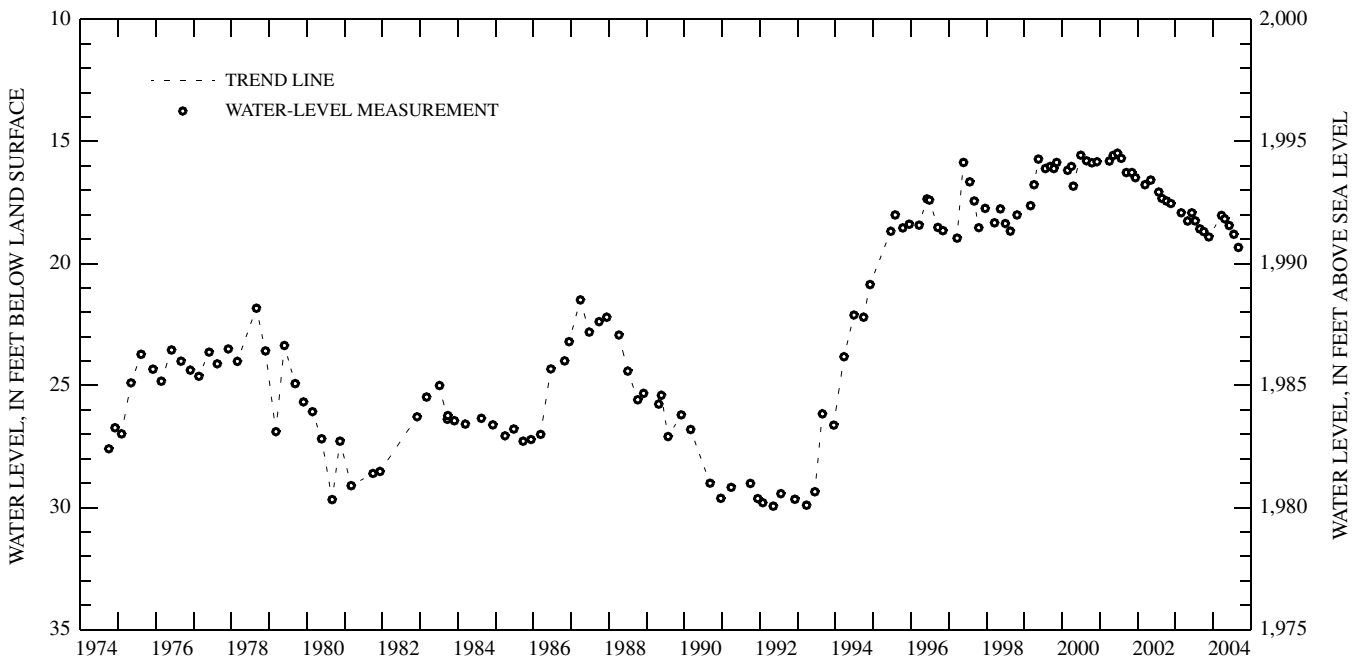
PERIOD OF RECORD.--October 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 15.48 ft below land-surface datum, June 20, 2001; lowest water level, 29.94 ft below land-surface datum, May 8, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 02	18.69	MAR 22	18.03	APR 22	18.17	JUN 04	18.44	JUL 19	18.80	SEP 01	19.34
NOV 20	18.91										
WATER YEAR 2004		HIGHEST	18.03	MAR 22, 2004		LOWEST	19.34	SEP 01, 2004			

139-086-35BCC



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 MORTON COUNTY--Continued

464846101464502. Local number, 139-088-34BCC2.

LOCATION.--Lat 46°48'46", long 101°46'45", Hydrologic Unit 10130203. Owner: North Dakota State Water Commission.

AQUIFER.--Hell Creek.

WELL CHARACTERISTICS.--Drilled observation well, depth 862 ft, cased with 842 ft of 2-in diameter steel pipe, No. 12 slot screen set 842 to 860 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

DATUM.--Altitude of land-surface datum is 2,070 ft. Measuring point: Top of casing 4.00 ft above land-surface datum.

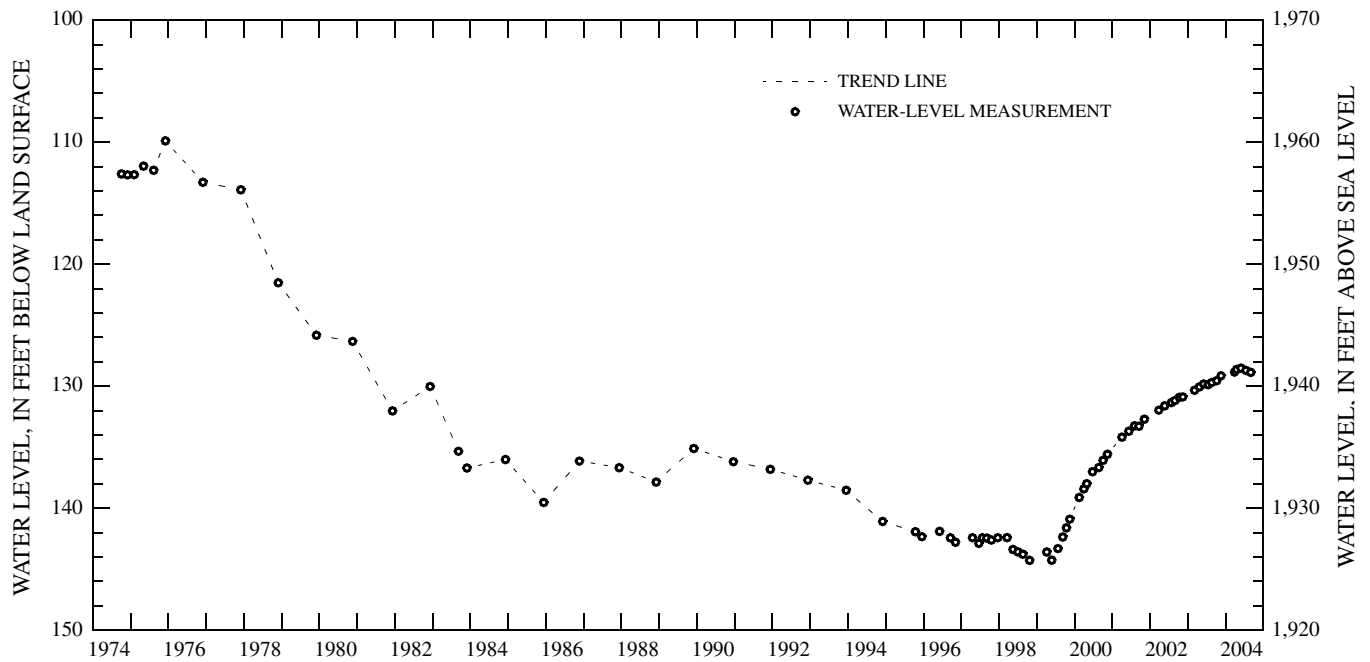
PERIOD OF RECORD.--October 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 109.89 ft below land-surface datum, December 4, 1975; lowest water level, 144.27 ft below land-surface datum, October 22, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	129.54	MAR 26	128.84	APR 15	128.62	MAY 28	128.52	JUL 15	128.70	AUG 30	128.86
NOV 17	129.14										
WATER YEAR 2004		HIGHEST	128.52	MAY 28, 2004		LOWEST	129.54	OCT 06, 2003			

139-088-34BCC2



NETWORK SITES--Continued

MORTON COUNTY--Continued

464846101464503. Local number, 139-088-34BCC3.

LOCATION.--Lat 46°48'46", long 101°46'45", Hydrologic Unit 10130203. Owner: North Dakota State Water Commission.

AQUIFER.--Tongue River.

WELL CHARACTERISTICS.--Drilled observation well, depth 302 ft, cased with 288 ft of 1.25-in diameter plastic pipe, No. 12 slot screen set 288 to 294 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

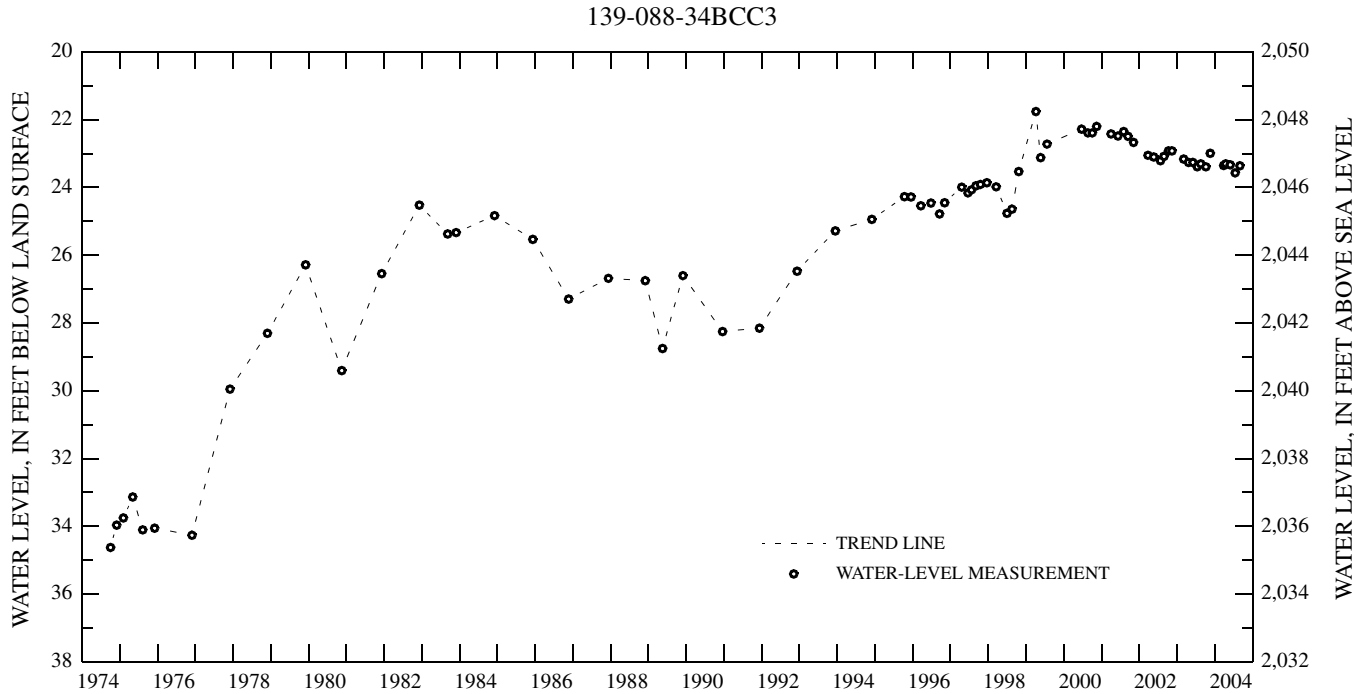
DATUM.--Altitude of land-surface datum is 2,070 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

PERIOD OF RECORD.--October 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 21.76 ft below land-surface datum, April 6, 1999; lowest water level, 34.62 ft below land-surface datum, October 4, 1974.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	23.39	MAR 26	23.35	APR 15	23.30	MAY 28	23.33	JUL 15	23.57	AUG 30	23.36
NOV 17	22.99										
WATER YEAR 2004		HIGHEST	22.99	NOV 17, 2003		LOWEST	23.57	JUL 15, 2004			



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 MOUNTRAIL COUNTY

480120101571901. Local number, 152-088-04BBBD1.

LOCATION.--Lat 48°01'20", long 101°57'19", Hydrologic Unit 10110101. Owner: North Dakota State Water Commission.

AQUIFER.--Sentinel Butte.

WELL CHARACTERISTICS.--Drilled observation well, depth 80 ft, cased with 66 ft of 1.25-in diameter plastic pipe, screen set 66 to 71 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

DATUM.--Altitude of land-surface datum is 2,094.73 ft. Measuring point: Top of casing 1.80 ft above land-surface datum.

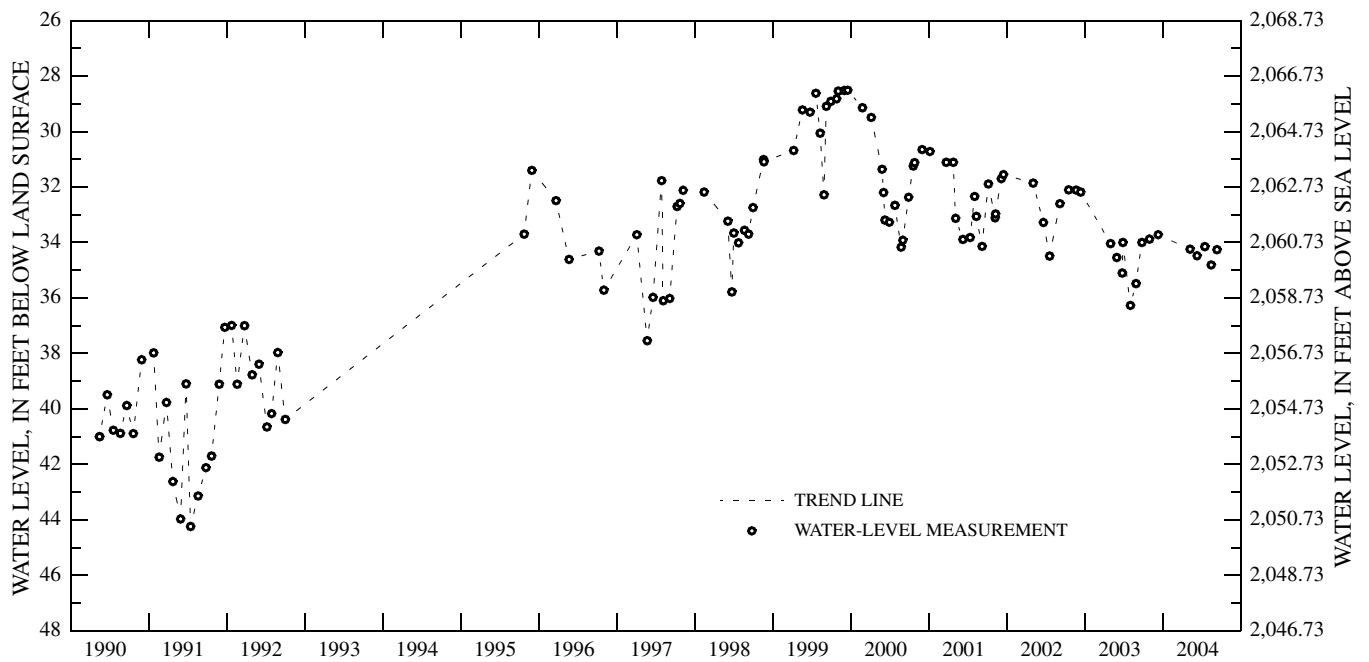
PERIOD OF RECORD.--May 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 28.51 ft below land-surface datum, December 16, 1999; lowest water level, 44.24 ft below land-surface datum, July 16, 1991.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	33.88	MAY 05	34.24	JUN 07	34.48	JUL 13	34.15	AUG 12	34.81	SEP 08	34.26
DEC 08	33.72										
WATER YEAR 2004		HIGHEST	33.72	DEC 08, 2003		LOWEST	34.81	AUG 12, 2004			

152-088-04BBBD1



NETWORK SITES--Continued

MOUNTRAIL COUNTY--Continued

480120101571902. Local number, 152-088-04BBBD2.

LOCATION.--Lat 48°01'20", long 101°57'19", Hydrologic Unit 10110101. Owner: North Dakota State Water Commission.

AQUIFER.--Sentinel Butte.

WELL CHARACTERISTICS.--Drilled observation well, depth 89 ft, cased with 82 ft of 1.25-in diameter plastic pipe, screen set 82 to 87 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

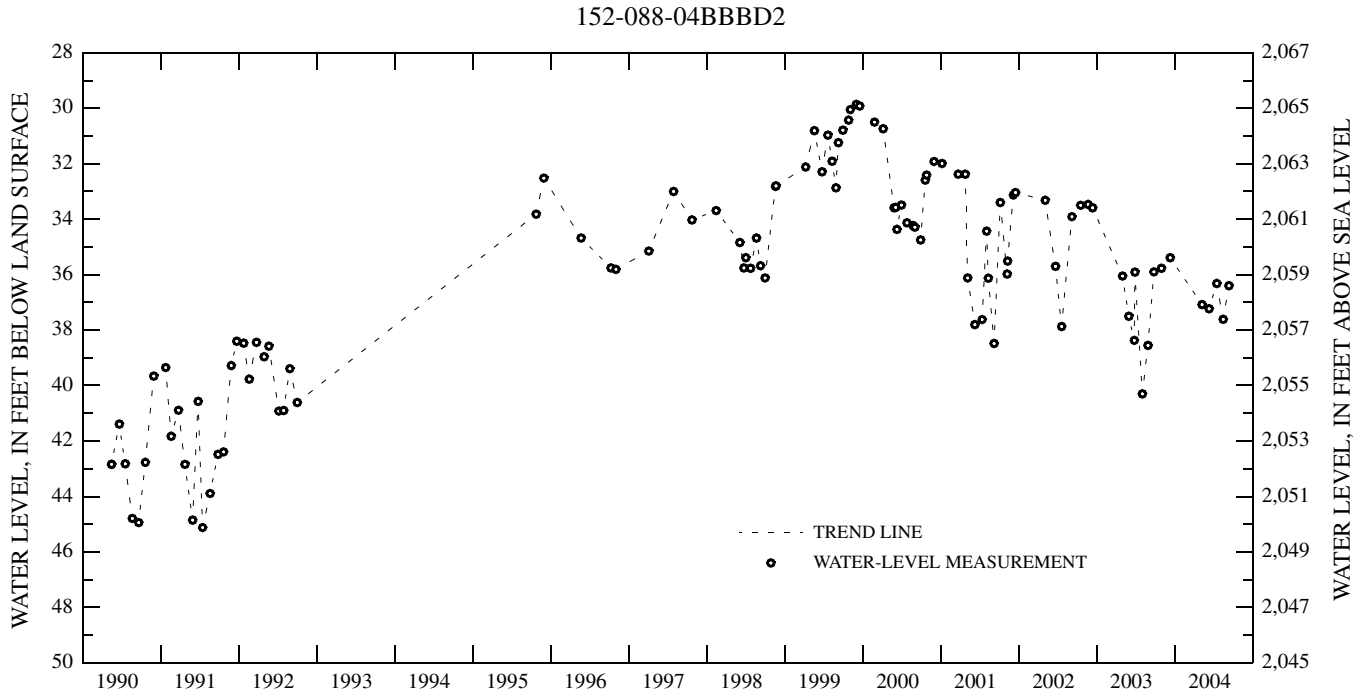
DATUM.--Altitude of land-surface datum is 2,095 ft. Measuring point: Top of casing 1.50 ft above land-surface datum.

PERIOD OF RECORD.--May 1990 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 29.86 ft below land-surface datum, November 30, 1999; lowest water level, 45.12 ft below land-surface datum, July 16, 1991.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	35.77	MAY 05	37.08	JUN 07	37.23	JUL 13	36.32	AUG 12	37.61	SEP 08	36.40
DEC 08	35.39										
WATER YEAR 2004		HIGHEST	35.39	DEC 08, 2003		LOWEST	37.61	AUG 12, 2004			



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 NELSON COUNTY

474806098133401. Local number, 150-059-20AAA.

LOCATION.--Lat 47°48'06", long 98°13'34", Hydrologic Unit 09020203. Owner: North Dakota State Water Commission.

AQUIFER.--McVille.

WELL CHARACTERISTICS.--Drilled observation well, depth 340 ft, cased with 247 ft of 4-in diameter plastic pipe, No. 20 slot screen set 247 to 253 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape May 1998 to current year. Water-level recorder August 1968 to December 1997. Only intermittent low and EOM water levels, obtained from strip-chart recorders, are available from the District office for August 1968 to September 1970. From October 1970 to December 1997, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,474 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

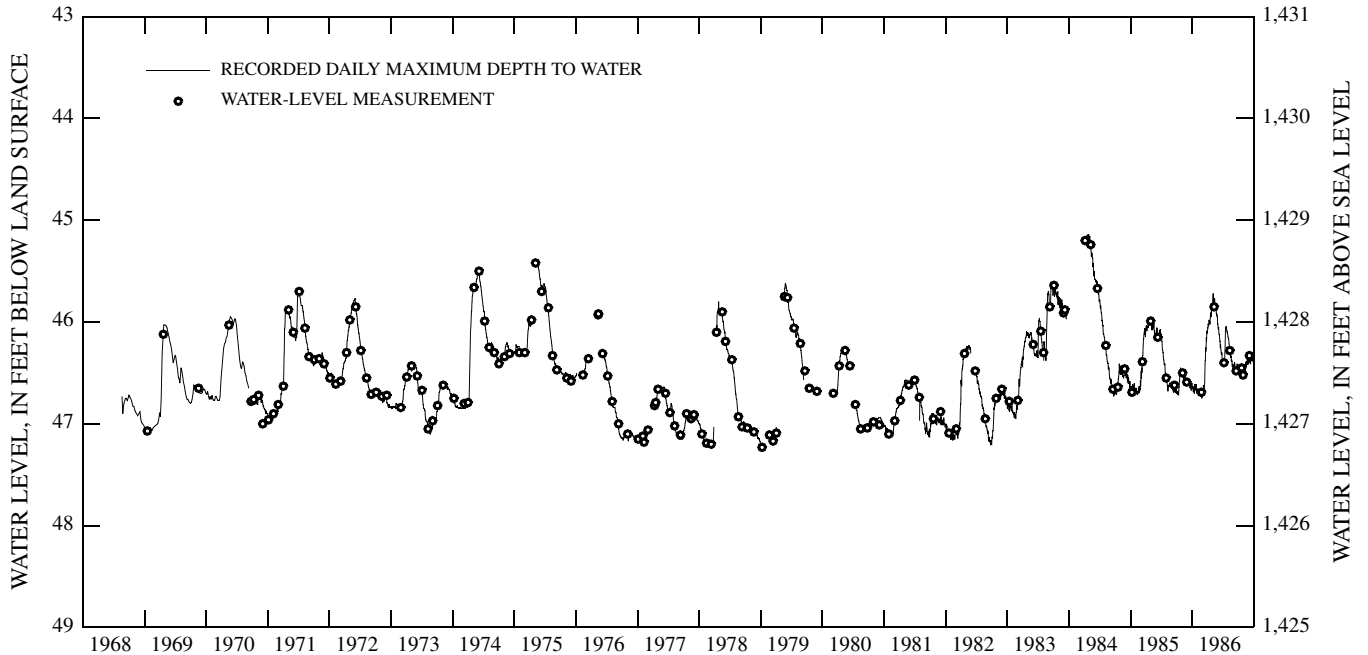
PERIOD OF RECORD.--August 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 43.19 ft below land-surface datum, April 25, 1996; lowest water level, 47.39 ft below land-surface datum, January 28, 1991.

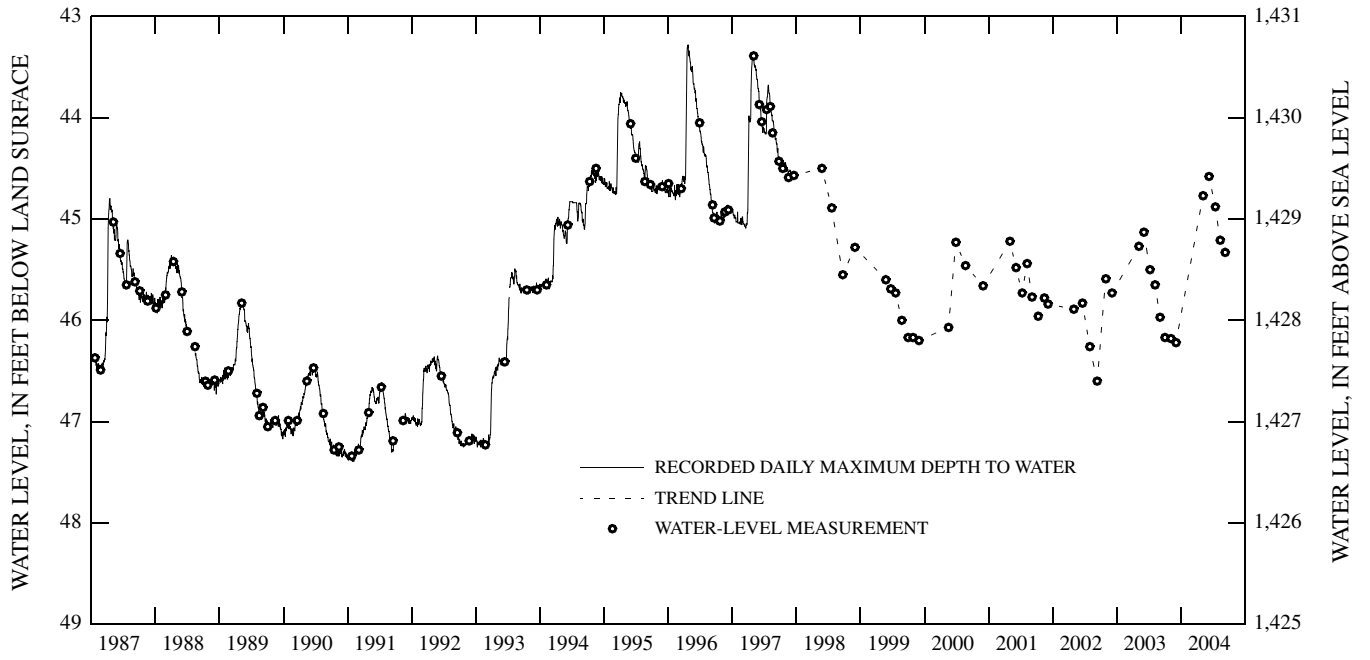
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	46.17	DEC 03	46.22	JUN 08	44.58	JUL 14	44.88	AUG 11	45.21	SEP 08	45.33
NOV 04	46.18	MAY 05	44.77								
WATER YEAR 2004		HIGHEST	44.58	JUN 08, 2004		LOWEST	46.22	DEC 03, 2003			

150-059-20AAA



150-059-20AAA--Continued



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 NELSON COUNTY--Continued

480138098074101. Local number, 153-058-32DBB.

LOCATION.--Lat 48°01'38", long 98°07'41", Hydrologic Unit 09020307. Owner: North Dakota State Water Commission.

AQUIFER.--Pierre Shale.

WELL CHARACTERISTICS.--Drilled observation well, depth 120 ft, cased with 120 ft of 5-in diameter steel pipe, slotted 110 to 120 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

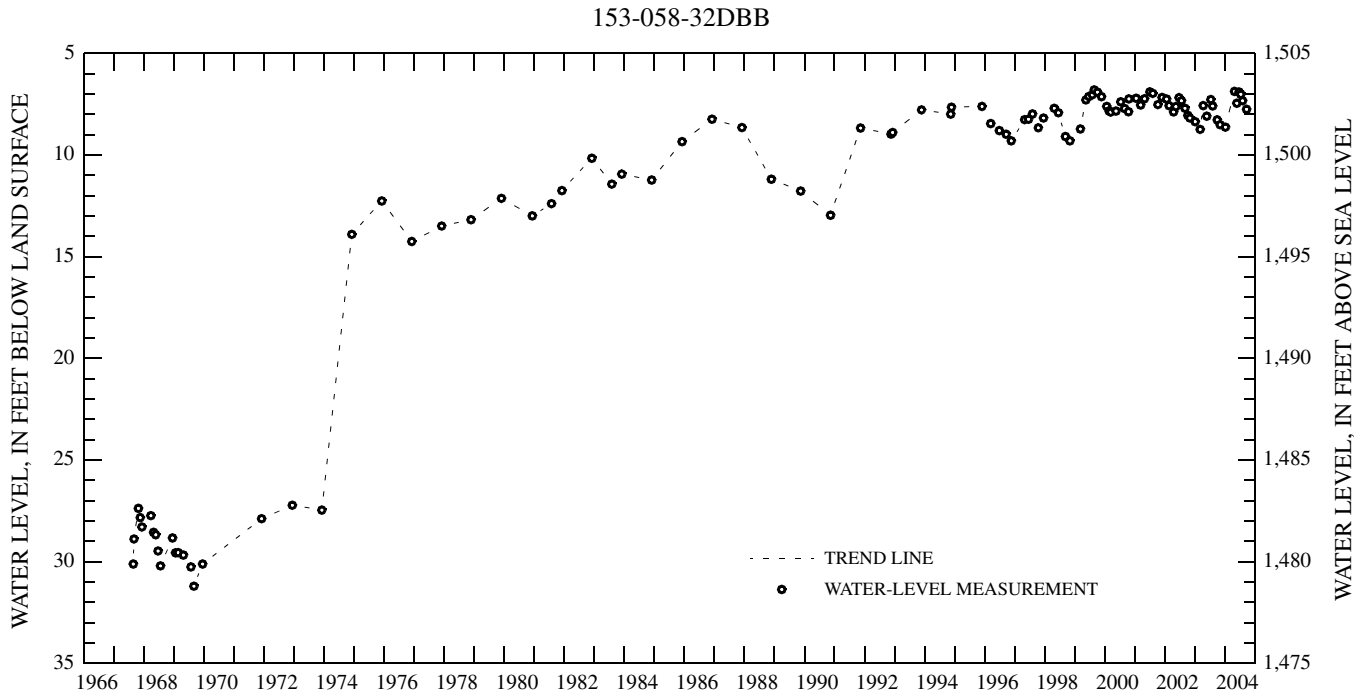
DATUM.--Altitude of land-surface datum is 1,510 ft. Measuring point: Top of casing 1.45 ft above land-surface datum.

PERIOD OF RECORD.--August 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.80 ft below land-surface datum, August 26, 1999; lowest water level, 31.20 ft below land-surface datum, August 28, 1969.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	8.27	JAN 09	8.63	MAY 27	7.45	JUL 14	7.01	AUG 05	7.33	SEP 22	7.75
NOV 06	8.51	APR 28	6.87	JUN 23	6.90						
WATER YEAR 2004		HIGHEST	6.87	APR 28, 2004		LOWEST	8.63	JAN 09, 2004			



NETWORK SITES--Continued

OLIVER COUNTY

470642101162701. Local number, 142-084-24BBA.

LOCATION.--Lat 47°06'42", long 101°16'27", Hydrologic Unit 10130101. Owner: North Dakota State Water Commission.

AQUIFER.--Fox Hills.

WELL CHARACTERISTICS.--Drilled observation well, depth 1,295 ft, cased with 966 ft of 4-in diameter steel pipe, open ended.

INSTRUMENTATION.--Measured using a steel tape.

DATUM.--Altitude of land-surface datum is 2,006 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

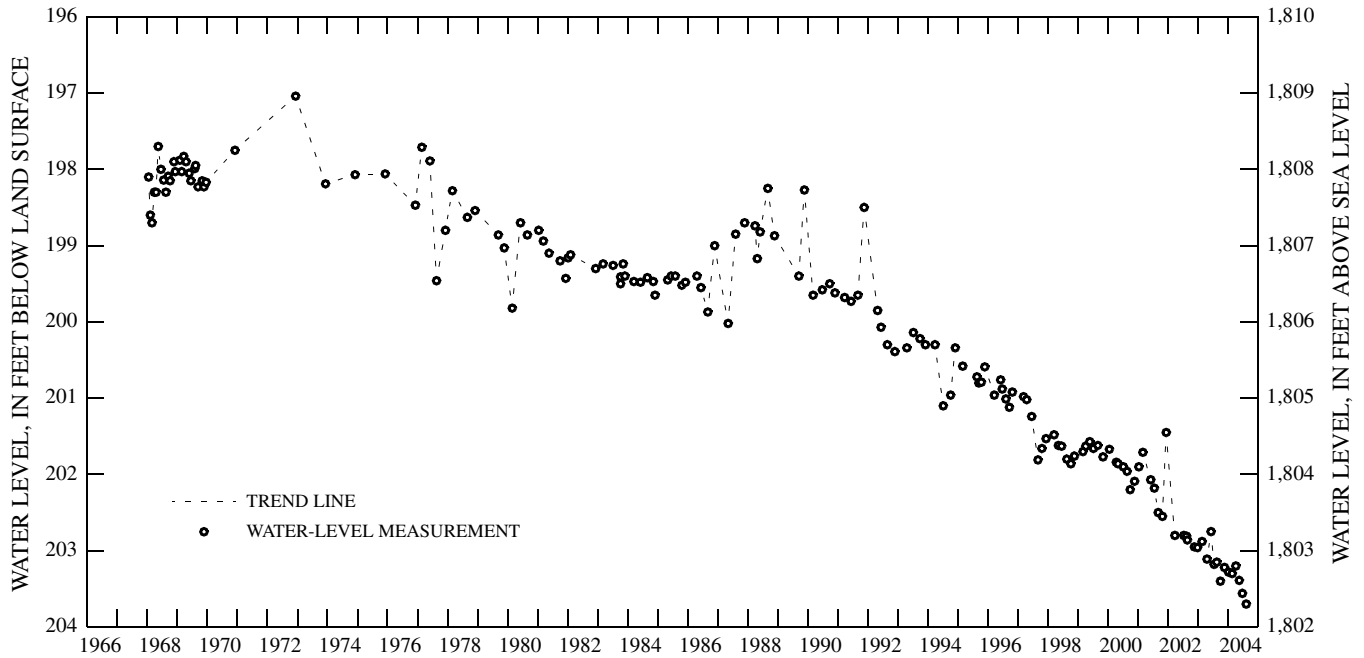
PERIOD OF RECORD.--January 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 197.04 ft below land-surface datum, December 8, 1972; lowest water level, 203.70 ft below land-surface datum, August 9, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 19	203.22	FEB 20	203.30	APR 05	203.20	MAY 17	203.39	JUN 24	203.56	AUG 09	203.70
JAN 07	203.28										
WATER YEAR 2004		HIGHEST	203.20	APR 05, 2004		LOWEST	203.70	AUG 09, 2004			

142-084-24BBA



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 PEMBINA COUNTY

485425097550502. Local number, 163-056-29CDD2.

LOCATION.--Lat 48°54'25", long 97°55'05", Hydrologic Unit 09020313. Owner: North Dakota State Water Commission.

AQUIFER.--Pembina River.

WELL CHARACTERISTICS.--Drilled observation well, depth 40 ft, cased with 20 ft of 4-in diameter steel pipe, No. 24 slot screen set 20 to 25 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

DATUM.--Altitude of land-surface datum is 957 ft. Measuring point: Top of casing 0.60 ft above land-surface datum.

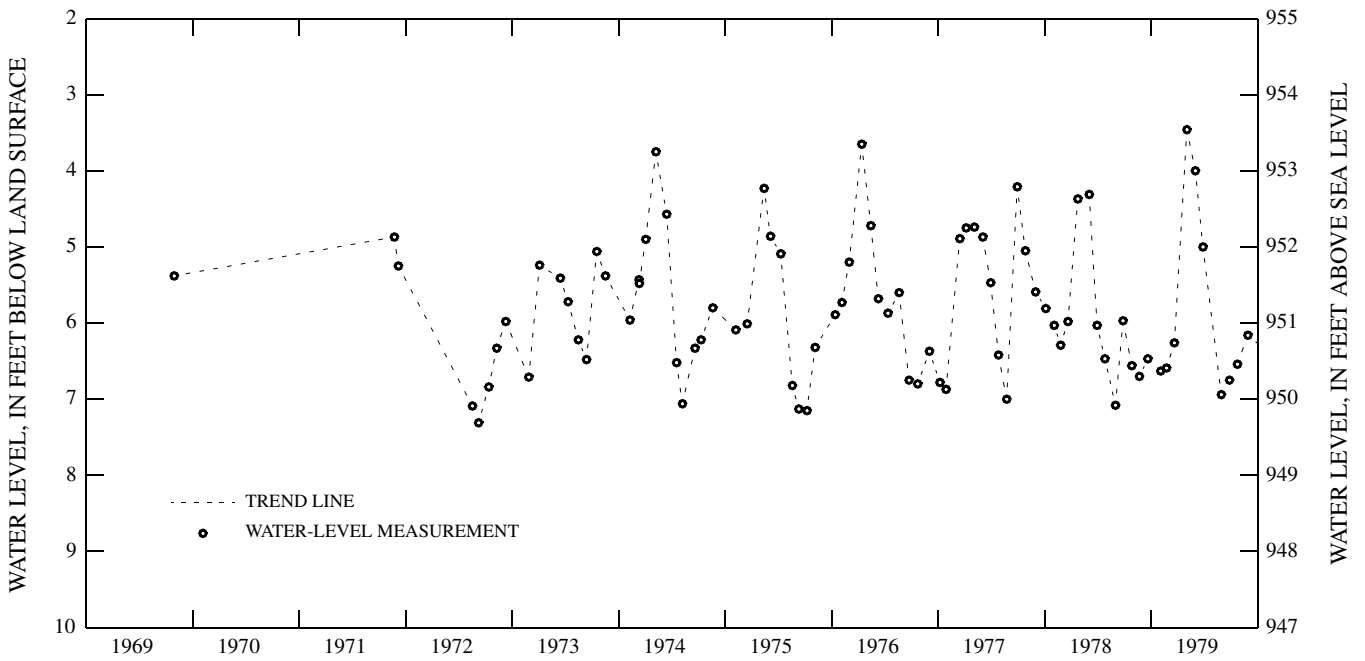
PERIOD OF RECORD.--October 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.82 ft below land-surface datum, May 1, 1997; lowest water level, 7.31 ft below land-surface datum, September 7, 1972.

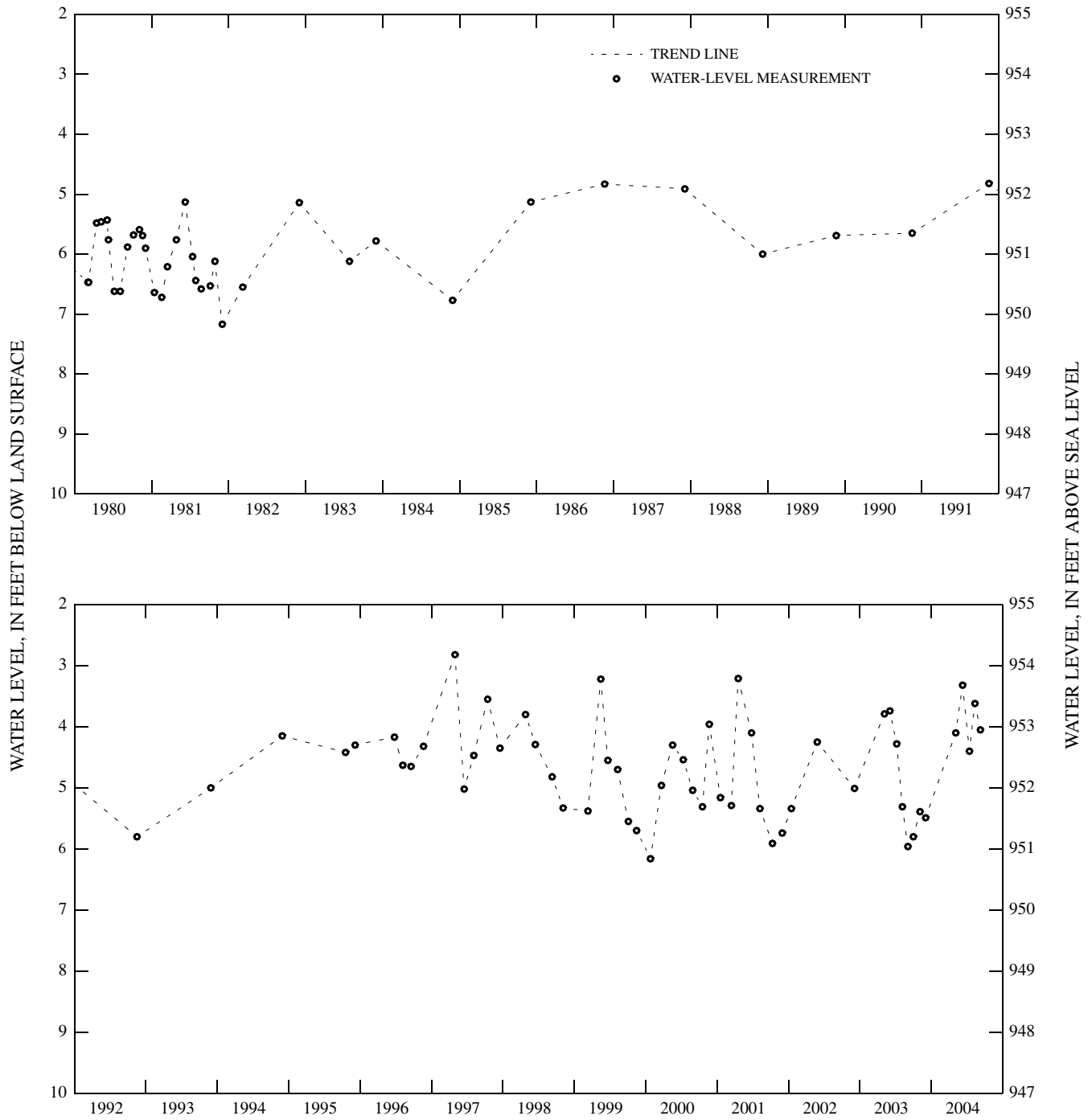
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 02	5.80	DEC 04	5.49	JUN 10	3.32	JUL 15	4.40	AUG 12	3.62	SEP 09	4.05
NOV 05	5.39	MAY 06	4.10								
WATER YEAR 2004		HIGHEST	3.32 JUN 10, 2004	LOWEST		5.80	OCT 02, 2003				

163-056-29CDD2



163-056-29CDD2--Continued



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 PIERCE COUNTY

475139099484801. Local number, 151-072-36AAA1.

LOCATION.--Lat 47°51'39", long 99°48'48", Hydrologic Unit 09020202. Owner: North Dakota State Water Commission.

AQUIFER.--New Rockford.

WELL CHARACTERISTICS.--Drilled observation well, depth 320 ft, cased with 213 ft of 4-in diameter plastic pipe, screen set 213 to 238 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape November 2000 to current year. Water-level recorder November 1967 to November 2000. Only intermittent low and EOM water levels, obtained from strip-chart recorders, are available from the District office for November 1967 to July 1974. From August 1974 to November 2000, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,602 ft. Measuring point: Top of casing 1.00 ft above land-surface datum.

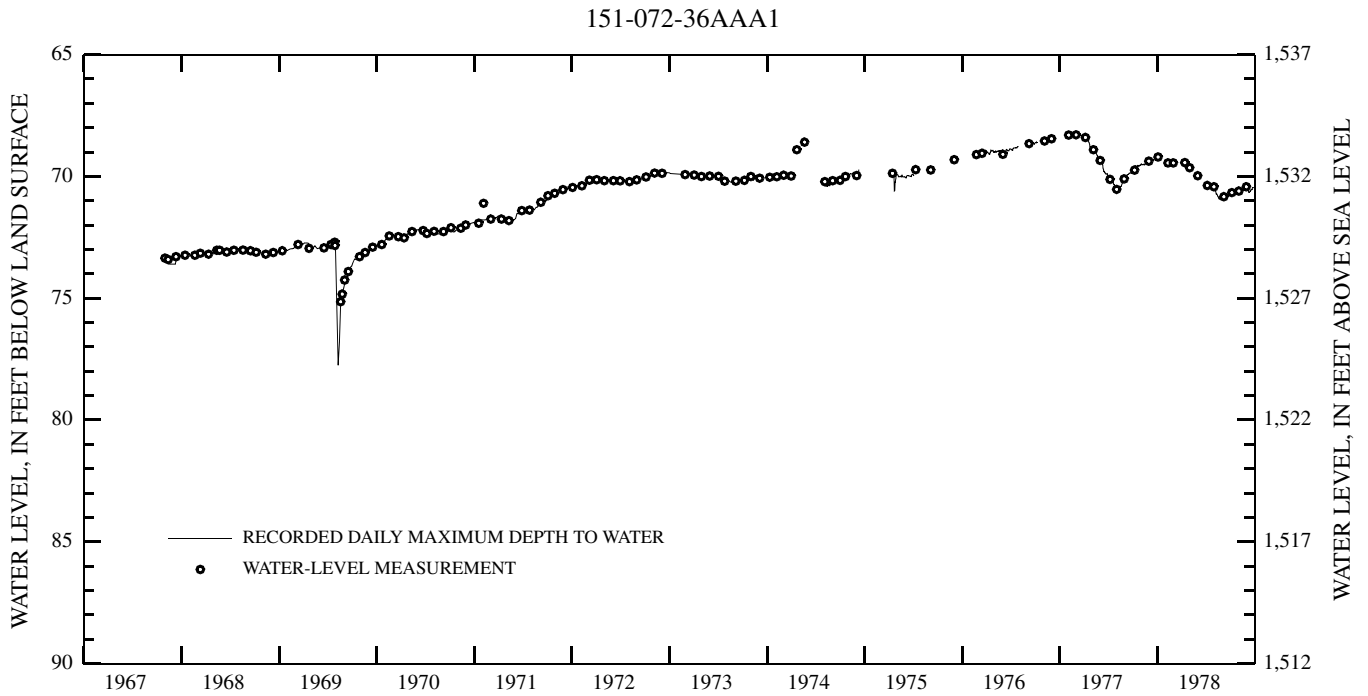
PERIOD OF RECORD.--November 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 68.26 ft below land-surface datum, March 10-11, 1977; lowest water level, 86.32 ft below land-surface datum, August 22-27, 1992.

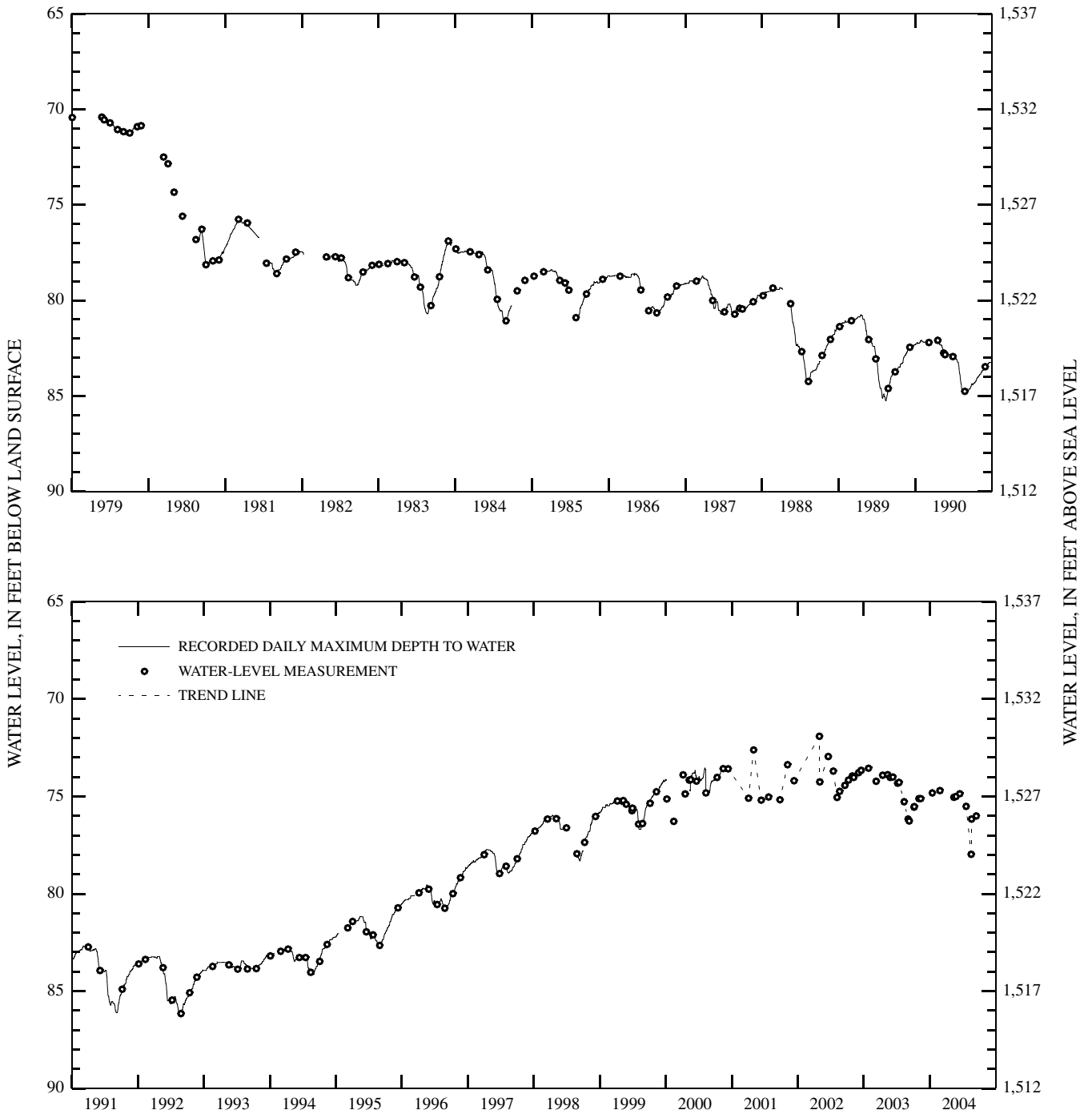
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	75.55	NOV 12	75.11	FEB 26	74.70	MAY 25	75.00	JUL 20	75.51	AUG 19	76.16
OCT 07	75.52	JAN 15	74.82	MAY 13	75.04	JUN 15	74.86	AUG 17	77.97	SEP 14	76.00
NOV 02	75.11										

WATER YEAR 2004 HIGHEST 74.70 FEB 26, 2004 LOWEST 77.97 AUG 17, 2004



151-072-36AAA1--Continued



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 PIERCE COUNTY--Continued

482033099594901. Local number, 156-073-12CCC.

LOCATION.--Lat 48°20'33", long 99°59'49", Hydrologic Unit 09010004. Owner: North Dakota State Water Commission.

AQUIFER.--Fox Hills.

WELL CHARACTERISTICS.--Drilled observation well, depth 120 ft, cased with 72.5 ft of 4-in diameter plastic pipe, screen set 72.5 to 77.5 ft below land-surface datum.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,550 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

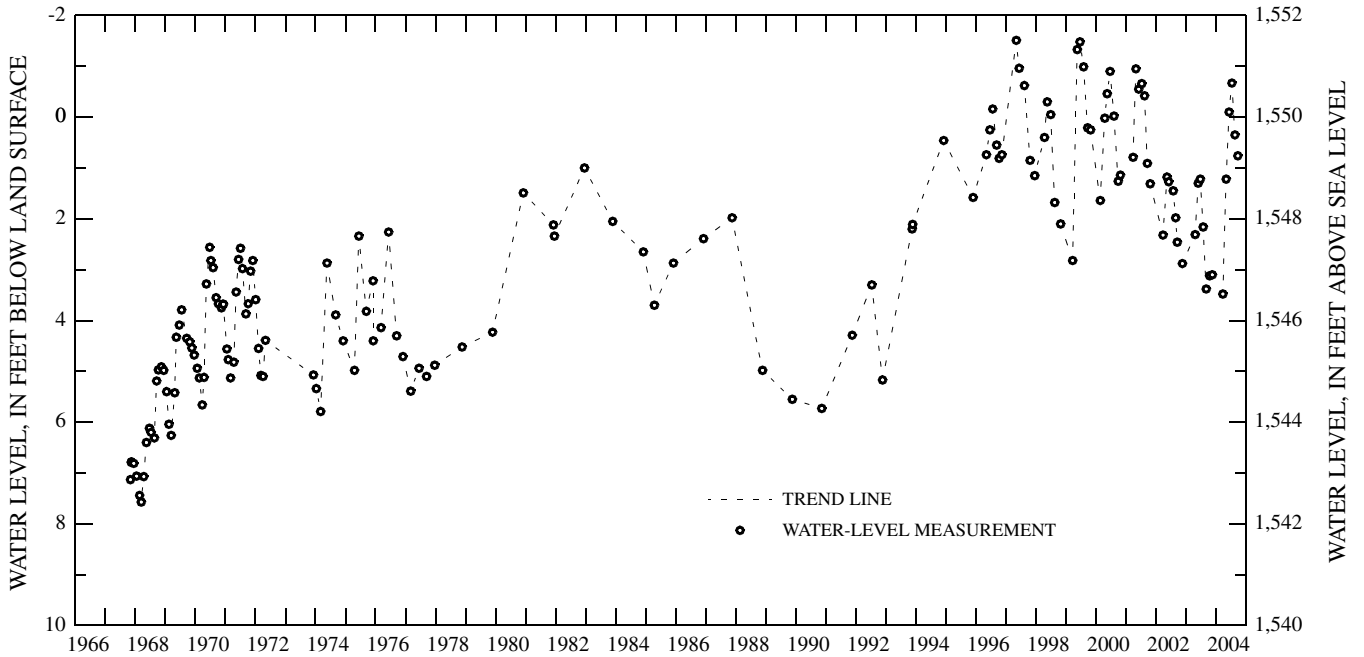
PERIOD OF RECORD.--November 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, -1.51 ft below land-surface datum, May 7, 1997; lowest water level, 7.57 ft below land-surface datum, March 12, 1968.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
 (READINGS ABOVE LAND SURFACE INDICATED BY "-")

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	3.12	MAR 25	3.48	JUN 09	-0.10	JUL 13	-0.67	AUG 19	0.35	SEP 23	0.76
NOV 18	3.10	MAY 04	1.22								
WATER YEAR 2004		HIGHEST	-0.67	JUL 13, 2004		LOWEST	3.48	MAR 25, 2004			

156-073-12CCC



NETWORK SITES--Continued

PIERCE COUNTY--Continued

483054100071901. Local number, 158-073-17BBB.

LOCATION.--Lat 48°30'54", long 100°07'19", Hydrologic Unit 09010004. Owner: North Dakota State Water Commission.

AQUIFER.--Lake Souris.

WELL CHARACTERISTICS.--Drilled observation well, depth 180 ft, cased with 56 ft of 1.25-in diameter plastic pipe, screen set 56 to 59 ft below land-surface datum.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,508 ft. Measuring point: Top of casing 1.00 ft above land-surface datum.

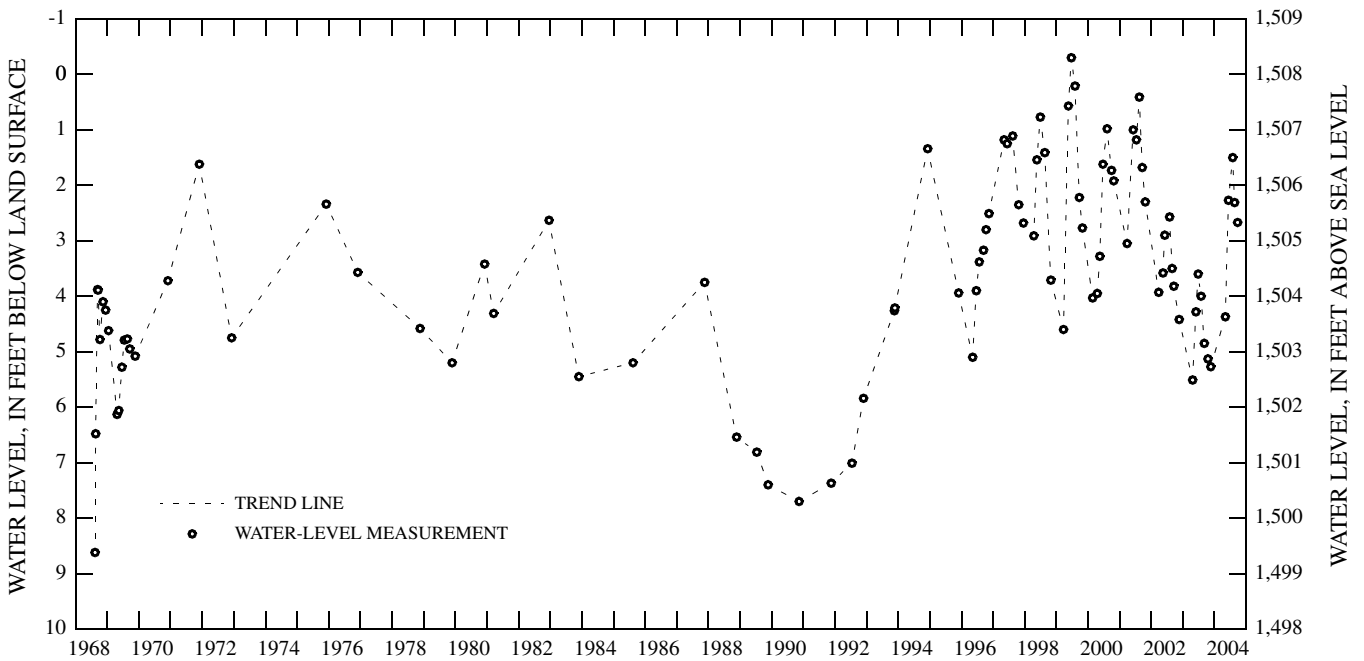
PERIOD OF RECORD.--August 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, -0.30 ft below land-surface datum, June 22, 1999; lowest water level, 8.62 ft below land-surface datum, August 12, 1968.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	5.13	MAY 04	4.37	JUN 09	2.27	JUL 28	1.50	AUG 19	2.31	SEP 23	2.67
NOV 18	5.27										
WATER YEAR 2004		HIGHEST	1.50	JUL 28, 2004		LOWEST	5.27	NOV 18, 2003			

158-073-17BBB



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 RAMSEY COUNTY

480449099002402. Local number, 153-065-09DDD2.

LOCATION.--Lat 48°04'49", long 99°00'24", Hydrologic Unit 09020201. Owner: North Dakota State Water Commission.

AQUIFER.--Spiritwood.

WELL CHARACTERISTICS.--Drilled observation well, depth 140 ft, cased with 117 ft of 1.25-in diameter plastic pipe, No. 12 slot screen set 117 to 120 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

DATUM.--Altitude of land-surface datum is 1,458 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

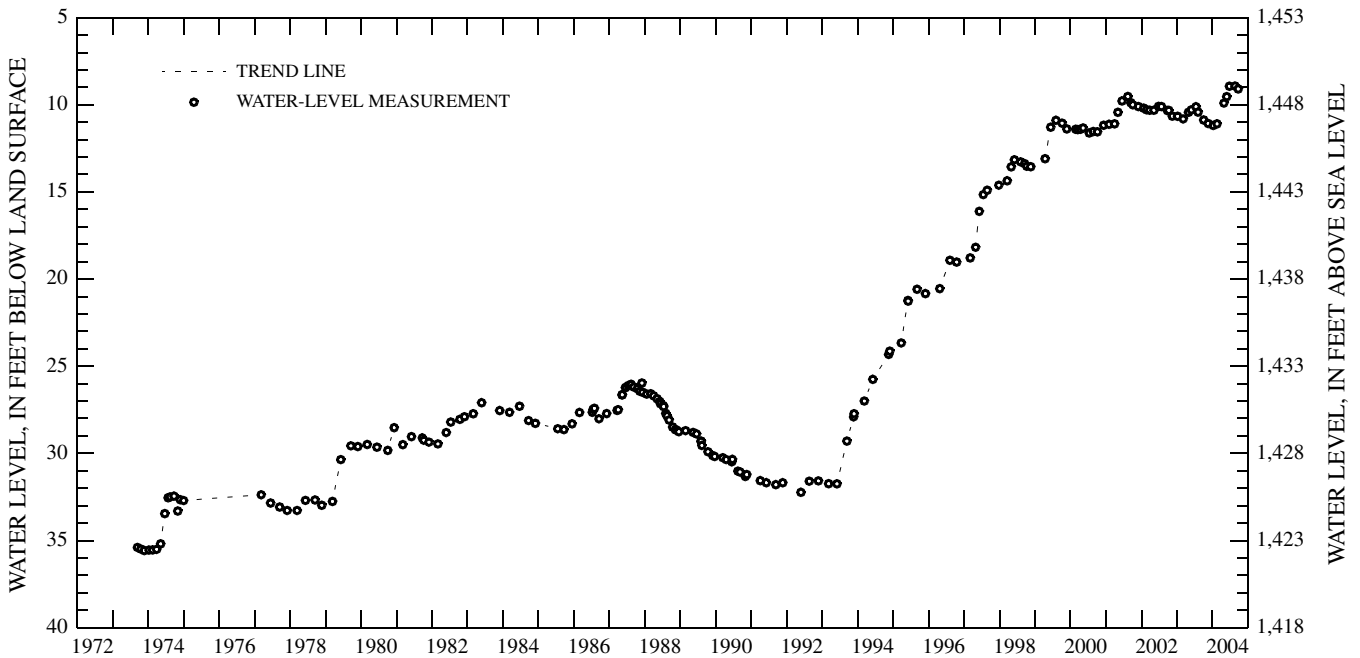
PERIOD OF RECORD.--September 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.92 ft below land-surface datum, August 20, 2004; lowest water level, 35.57 ft below land-surface datum, November 20, 1973.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 02	10.87	JAN 09	11.18	APR 28	9.90	JUN 23	8.93	AUG 20	8.92	SEP 22	9.09
NOV 18	11.07	FEB 17	11.09	MAY 27	9.53						
WATER YEAR 2004		HIGHEST	8.92	AUG 20, 2004		LOWEST	11.18	JAN 09, 2004			

153-065-09DDD2



NETWORK SITES--Continued

RAMSEY COUNTY--Continued

480817099013201. Local number, 154-065-21CCC.

LOCATION.--Lat 48°08'17", long 99°01'32", Hydrologic Unit 09020201. Owner: North Dakota State Water Commission.

AQUIFER.--Spiritwood.

WELL CHARACTERISTICS.--Drilled observation well, depth 160 ft, cased with 127 ft of 1.25-in diameter plastic pipe, No. 12 slot screen set 127 to 133 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

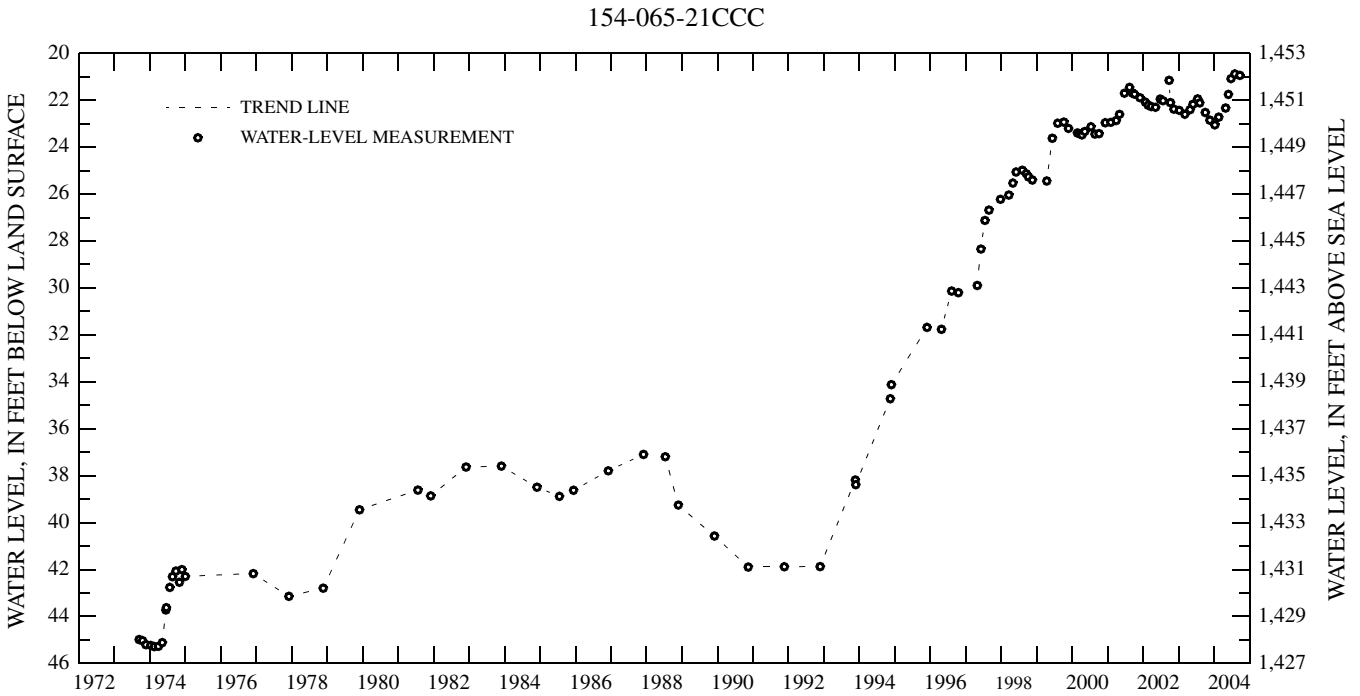
DATUM.--Altitude of land-surface datum is 1,473 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 20.88 ft below land-surface datum, August 2, 2004; lowest water level, 45.28 ft below land-surface datum, February 14, 1974.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 02	22.52	JAN 09	23.05	APR 28	22.33	JUN 23	21.08	AUG 20	20.88	SEP 22	20.94
NOV 18	22.85	FEB 17	22.72	MAY 27	21.75						
WATER YEAR 2004		HIGHEST	20.88	AUG 02, 2004		LOWEST	23.05	JAN 09, 2004			



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 RAMSEY COUNTY--Continued

481929098392601. Local number, 156-062-20BBB.

LOCATION.--Lat 48°19'29", long 98°39'26", Hydrologic Unit 09020201. Owner: North Dakota State Water Commission.

AQUIFER.--Pierre Shale.

WELL CHARACTERISTICS.--Drilled observation well, depth 60 ft, cased with 60 ft of 4-in diameter plastic pipe, slotted 48 to 58 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

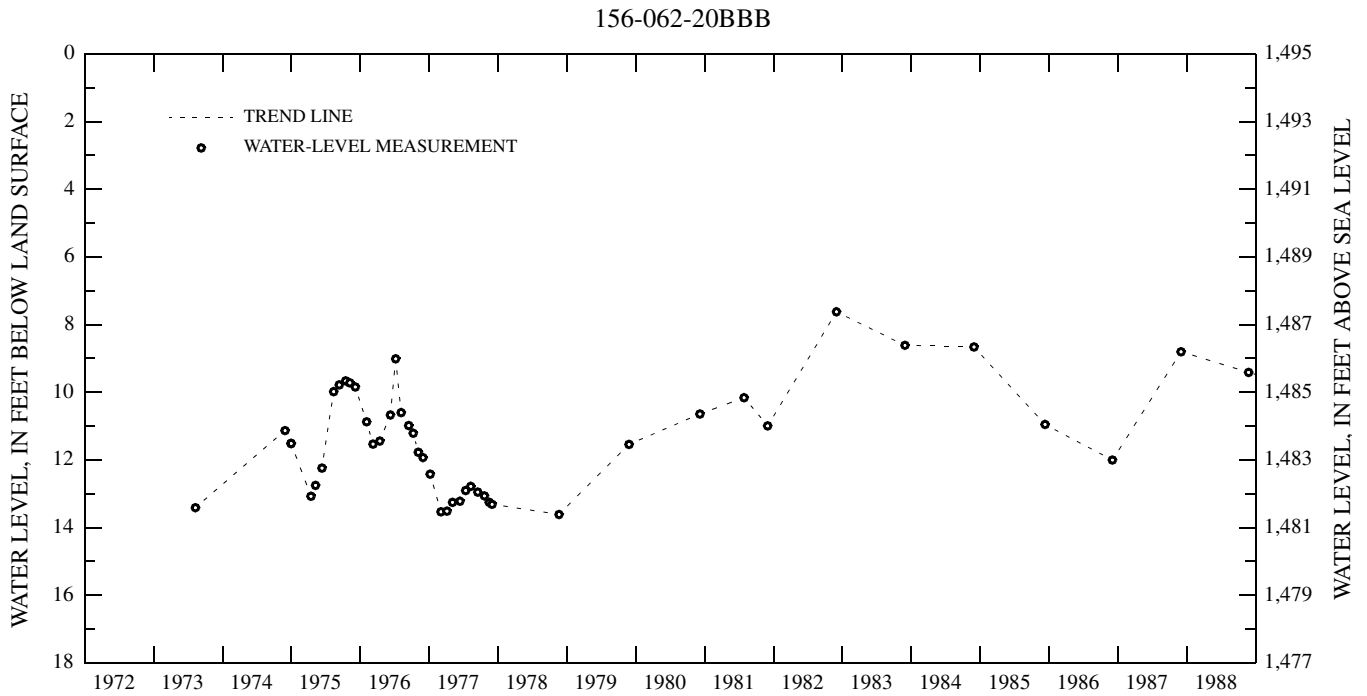
DATUM.--Altitude of land-surface datum is 1,495 ft. Measuring point: Top of casing 1.00 ft above land-surface datum.

PERIOD OF RECORD.--August 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.56 ft below land-surface datum, November 24, 1993; lowest water level, 15.84 ft below land-surface datum, November 14, 1990.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

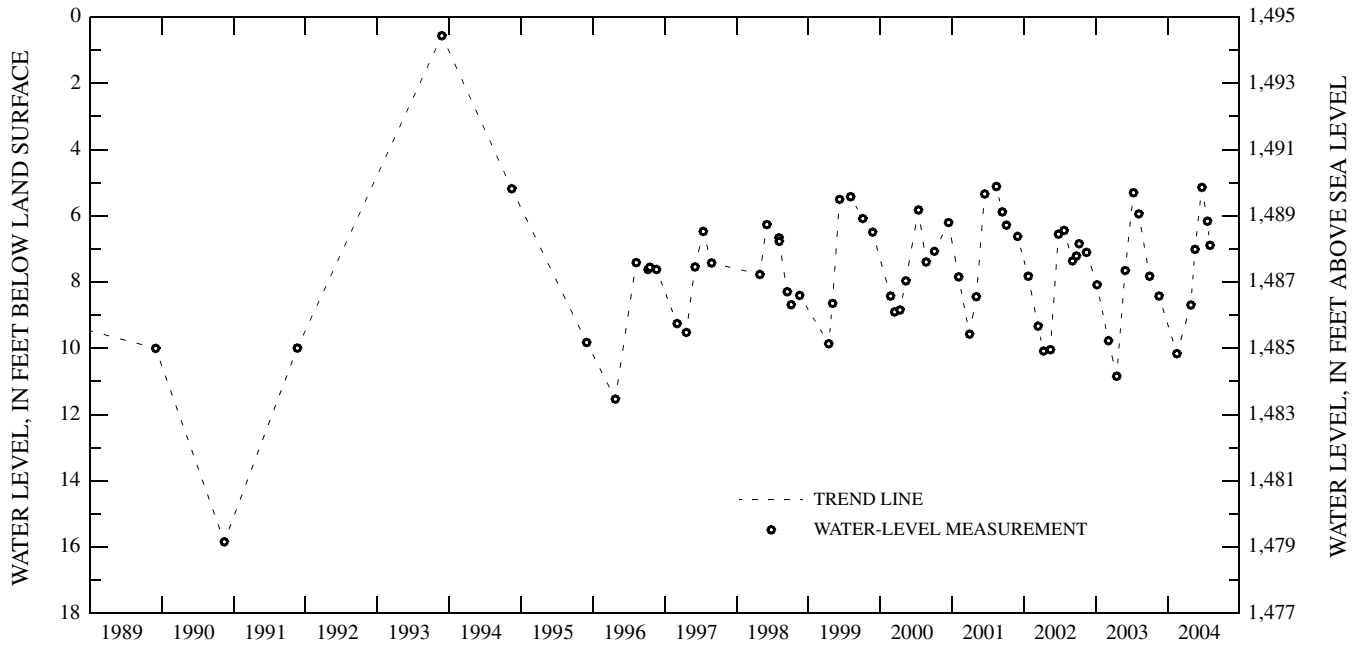
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	7.82	FEB 17	10.16	MAY 19	7.01	JUN 23	5.14	JUL 21	6.16	AUG 03	6.89
NOV 18	8.42	APR 28	8.69								
WATER YEAR 2004		HIGHEST	5.14	JUN 23, 2004		LOWEST	10.16	FEB 17, 2004			



NETWORK SITES--Continued

RAMSEY COUNTY--Continued

156-062-20BBB--Continued



GROUND-WATER LEVELS
NETWORK SITES--Continued

RANSOM COUNTY

461838097553402. Local number, 133-058-25BBA2.

LOCATION.--Lat 46°18'38", long 97°55'34", Hydrologic Unit 09020105. Owner: North Dakota State Water Commission.

AQUIFER.--Englevale.

WELL CHARACTERISTICS.--Drilled observation well, depth 60 ft, cased with 34 ft of 5-in diameter plastic pipe, No. 15 slot screen set 34 to 38 ft below land-surface datum.

INSTRUMENTATION.--Water-level recorder June 1982 to current year, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,315.3 ft. Measuring point: Top of casing 1.50 ft above land-surface datum.

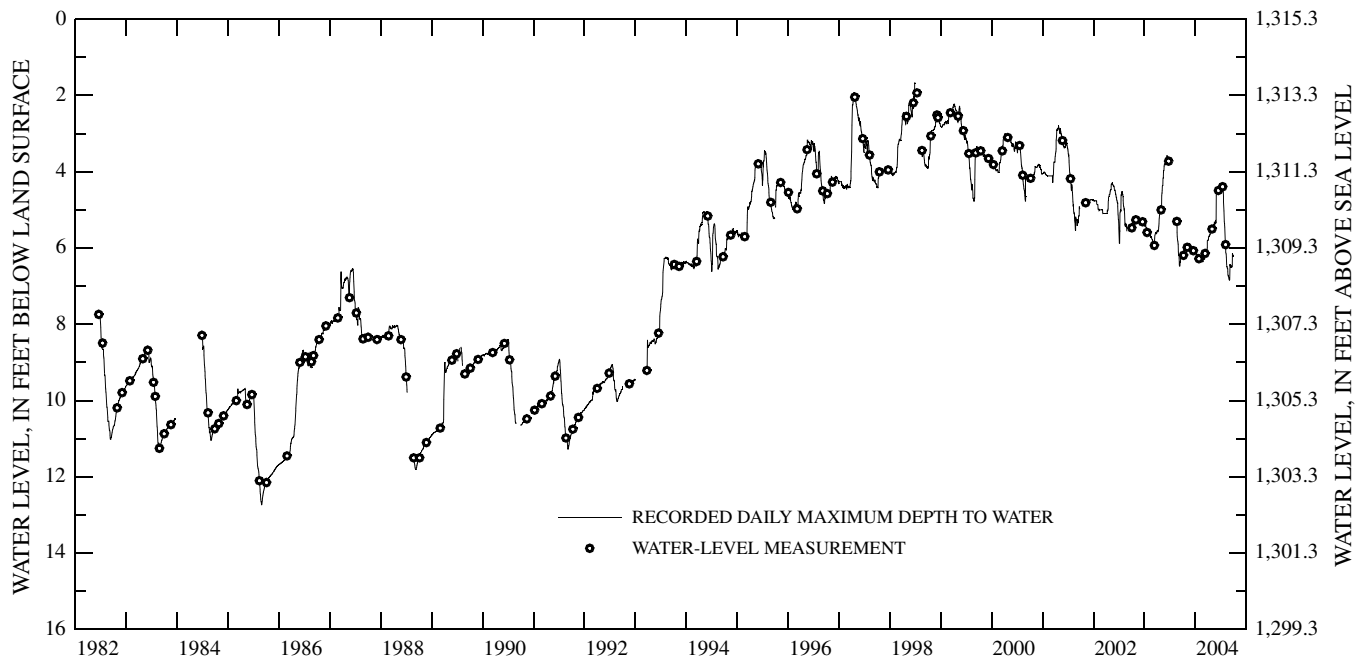
PERIOD OF RECORD.--June 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.87 ft below land-surface datum, April 15, 1997; lowest water level, 12.73 ft below land-surface datum, August 28-29, 1985.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.23	5.99	6.01	6.06	6.30	6.26	5.79	5.50	4.55	4.56	5.59	6.82
2	6.24	5.99	6.01	6.06	6.30	6.28	5.79	5.49	4.56	4.56	5.72	6.84
3	6.22	5.99	6.01	6.10	6.31	6.28	5.78	5.48	4.56	4.49	5.81	6.84
4	6.20	5.99	6.01	6.12	6.32	6.29	5.77	5.46	4.55	4.53	5.87	6.83
5	6.20	5.97	6.00	6.13	6.32	6.27	5.76	5.46	4.52	4.53	5.95	6.56
6	6.21	5.98	6.00	6.14	6.32	6.27	5.72	5.48	4.51	4.47	6.04	6.42
7	6.21	6.01	5.96	6.15	6.33	6.29	5.71	5.50	4.49	4.31	6.11	6.46
8	6.21	6.01	5.97	6.17	6.32	6.29	5.69	5.51	4.52	4.33	6.13	6.47
9	6.19	6.01	5.99	6.17	6.33	6.23	5.69	5.52	4.52	4.36	6.14	6.48
10	6.20	6.00	6.00	6.17	6.33	6.15	5.69	5.55	4.52	4.40	6.17	6.50
11	6.20	5.98	6.02	6.15	6.35	6.15	5.67	5.55	4.48	4.34	6.24	6.51
12	6.02	5.96	6.04	6.17	6.35	6.15	5.67	5.45	4.46	4.34	6.36	6.51
13	6.03	5.98	6.04	6.17	6.33	6.13	5.67	5.38	4.49	4.37	6.45	6.51
14	6.04	5.97	6.04	6.17	6.35	6.13	5.67	5.38	4.51	4.39	6.49	6.50
15	6.04	5.95	6.04	6.17	6.35	6.13	5.64	5.42	4.50	4.42	6.49	6.50
16	6.05	5.92	6.05	6.17	6.35	6.13	5.64	5.40	4.42	4.45	6.49	6.46
17	6.05	5.90	6.05	6.20	6.35	6.11	5.63	5.34	4.45	4.46	6.51	6.46
18	6.05	5.88	6.09	6.20	6.36	6.10	5.61	5.34	4.47	4.49	6.52	6.46
19	6.04	5.88	6.09	6.21	6.35	6.10	5.57	5.34	4.47	4.51	6.52	6.47
20	6.06	5.91	6.08	6.22	6.34	6.10	5.57	5.39	4.48	4.56	6.52	6.48
21	6.06	5.94	6.04	6.23	6.34	6.10	5.53	5.39	4.47	4.65	6.56	6.46
22	6.06	5.95	6.05	6.24	6.36	6.09	5.53	5.39	4.49	4.79	6.61	6.46
23	6.06	5.95	6.05	6.24	6.36	6.04	5.52	5.39	4.50	4.88	6.69	6.43
24	6.06	5.95	6.05	6.25	6.36	6.04	5.52	5.38	4.53	4.96	6.72	6.13
25	6.09	5.93	6.05	6.25	6.36	6.03	5.50	5.31	4.54	5.04	6.73	6.15
26	6.09	5.95	6.04	6.27	6.36	6.02	5.50	5.31	4.57	5.18	6.74	6.16
27	6.08	6.00	6.04	6.28	6.35	5.99	5.50	5.35	4.57	5.31	6.74	6.20
28	5.99	6.00	6.02	6.28	6.30	5.81	5.50	5.37	4.45	5.36	6.78	6.20
29	5.98	5.98	6.02	6.29	6.28	5.80	5.50	5.37	4.49	5.37	6.78	6.20
30	5.98	6.00	6.02	6.30	---	5.80	5.51	5.28	4.53	5.41	6.80	6.18
31	5.98	---	6.06	6.29	---	5.80	---	4.65	---	5.45	6.82	---
TOTAL	189.12	178.92	186.94	192.02	183.73	189.36	168.84	167.13	135.17	145.27	198.09	193.65
MEAN	6.10	5.96	6.03	6.19	6.34	6.11	5.63	5.39	4.51	4.69	6.39	6.46
MAX	6.24	6.01	6.09	6.30	6.36	6.29	5.79	5.55	4.57	5.45	6.82	6.84
MIN	5.98	5.88	5.96	6.06	6.28	5.80	5.50	4.65	4.42	4.31	5.59	6.13

133-058-25BBA2



GROUND-WATER LEVELS

NETWORK SITES--Continued

RANSOM COUNTY--Continued

462400097552502. Local number, 134-058-24CDC2.

LOCATION.--Lat 46°24'00", long 97°55'25", Hydrologic Unit 09020105. Owner: North Dakota State Water Commission.

AQUIFER.--Englevale.

WELL CHARACTERISTICS.--Drilled observation well, depth 60 ft, cased with 54.5 ft of 4-in diameter plastic pipe, No. 20 slot screen set 54.5 to 59.5 ft below land-surface datum.

INSTRUMENTATION.--Water-level recorder April 1968 to current year. Only intermittent low and EOM water levels, obtained from strip-chart recorders, are available from the District office for April 1968 to July 1968. From July 1968 to current year, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,343.2 ft. Measuring point: Top of casing 1.30 ft above land-surface datum.

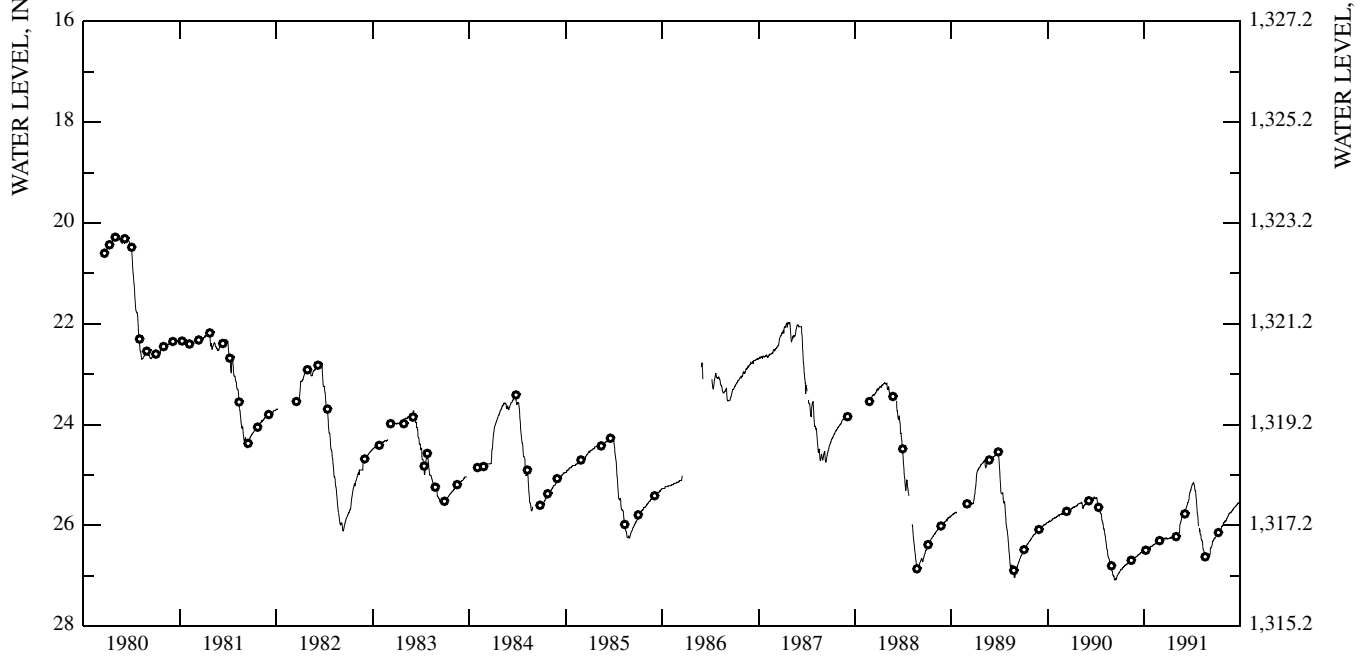
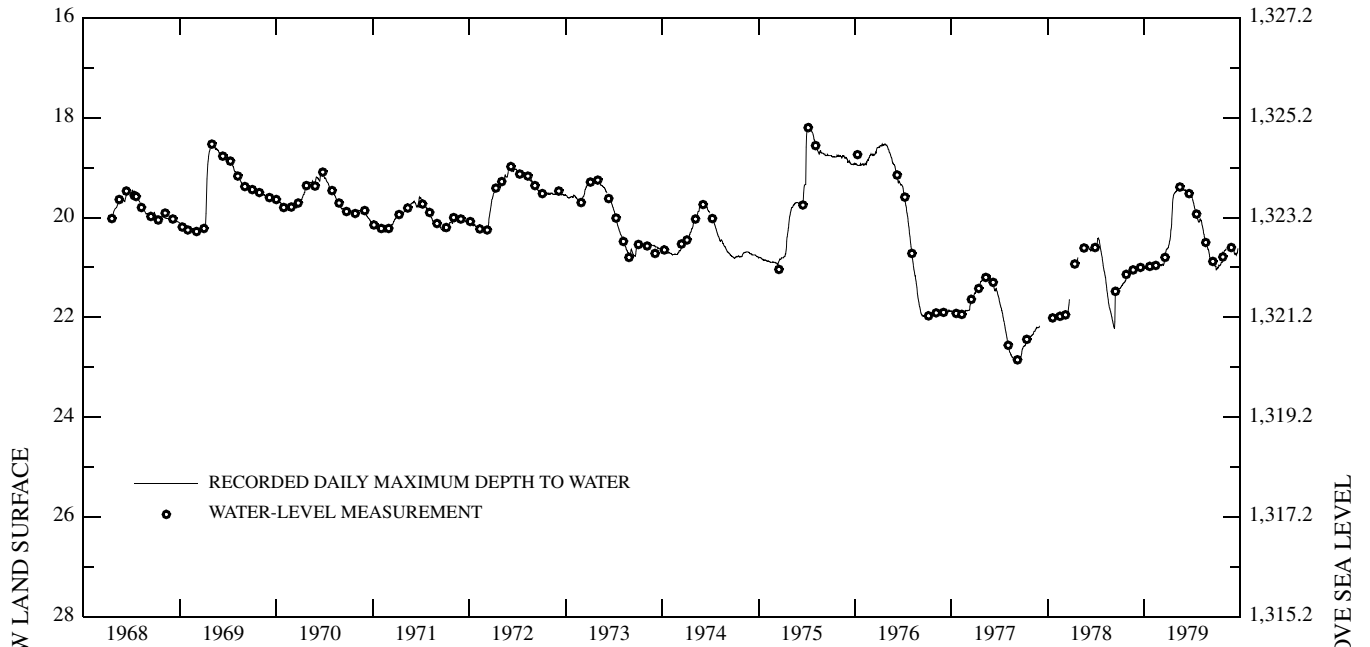
PERIOD OF RECORD.--April 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 17.30 ft below land-surface datum, July 2 and 3, 1998; lowest water level, 27.08 ft below land-surface datum, September 11-13, 1990.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

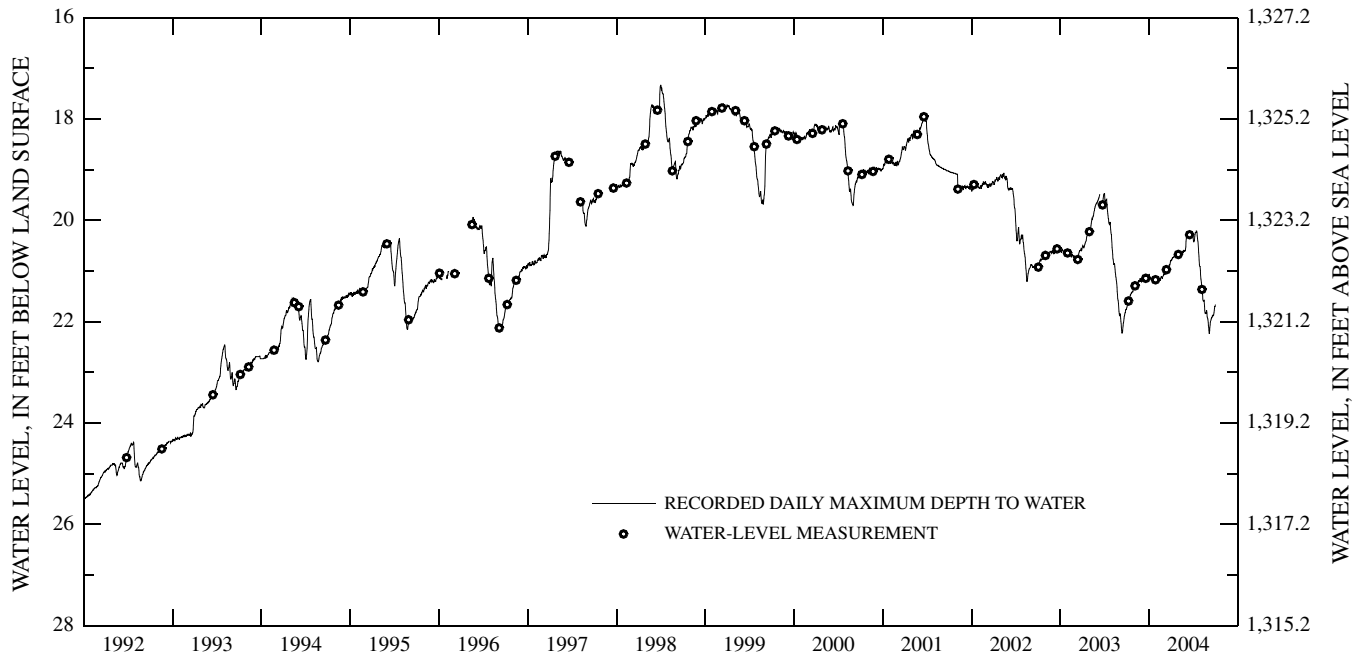
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.72	21.34	21.21	21.08	21.18	21.05	20.78	20.67	20.41	20.38	21.15	22.07
2	21.71	21.32	21.20	21.07	21.18	21.07	20.78	20.67	20.36	20.42	21.17	22.11
3	21.68	21.32	21.17	21.12	21.19	21.07	20.78	20.66	20.33	20.42	21.22	22.16
4	21.67	21.29	21.15	21.13	21.19	21.06	20.77	20.64	20.31	20.40	21.31	22.23
5	21.65	21.29	21.17	21.13	21.19	21.03	20.75	20.64	20.27	20.40	21.39	22.23
6	21.64	21.29	21.16	21.12	21.19	21.03	20.74	20.66	20.27	20.39	21.41	22.17
7	21.62	21.30	21.12	21.14	21.19	21.06	20.74	20.67	20.27	20.31	21.42	22.11
8	21.60	21.30	21.14	21.16	21.16	21.06	20.73	20.64	20.31	20.27	21.47	22.06
9	21.59	21.29	21.15	21.17	21.16	21.05	20.73	20.63	20.31	20.24	21.55	22.01
10	21.58	21.27	21.15	21.17	21.16	21.00	20.73	20.67	20.29	20.24	21.58	21.98
11	21.57	21.25	21.13	21.13	21.19	20.99	20.72	20.66	20.25	20.24	21.59	21.97
12	21.55	21.26	21.13	21.16	21.19	20.98	20.72	20.66	20.26	20.23	21.59	21.96
13	21.52	21.27	21.12	21.16	21.15	20.95	20.71	20.66	20.26	20.21	21.59	21.93
14	21.50	21.24	21.11	21.14	21.18	20.96	20.70	20.65	20.29	20.21	21.58	21.92
15	21.49	21.23	21.13	21.13	21.18	20.96	20.68	20.64	20.29	20.21	21.62	21.92
16	21.47	21.23	21.13	21.11	21.16	20.95	20.69	20.62	20.28	20.24	21.69	21.91
17	21.47	21.21	21.13	21.14	21.17	20.92	20.70	20.61	20.28	20.30	21.77	21.89
18	21.45	21.19	21.15	21.15	21.13	20.94	20.67	20.62	20.30	20.35	21.83	21.89
19	21.44	21.18	21.15	21.15	21.12	20.92	20.69	20.61	20.30	20.39	21.83	21.87
20	21.43	21.20	21.12	21.15	21.11	20.96	20.67	20.63	20.28	20.42	21.84	21.87
21	21.43	21.21	21.10	21.16	21.11	20.96	20.65	20.63	20.27	20.47	21.84	21.88
22	21.42	21.21	21.11	21.17	21.12	20.93	20.66	20.60	20.28	20.56	21.83	21.88
23	21.41	21.19	21.12	21.16	21.14	20.89	20.65	20.61	20.29	20.63	21.83	21.86
24	21.41	21.17	21.11	21.17	21.14	20.88	20.65	20.61	20.31	20.70	21.78	21.82
25	21.41	21.14	21.09	21.15	21.14	20.88	20.63	20.60	20.31	20.78	21.78	21.77
26	21.41	21.16	21.08	21.18	21.11	20.88	20.64	20.59	20.32	20.87	21.82	21.73
27	21.38	21.20	21.07	21.18	21.10	20.86	20.64	20.59	20.32	20.90	21.90	21.70
28	21.35	21.20	21.08	21.20	21.09	20.83	20.64	20.60	20.31	20.91	21.92	21.70
29	21.34	21.16	21.09	21.20	21.08	20.80	20.67	20.59	20.28	20.91	21.94	21.68
30	21.33	21.19	21.09	21.19	---	20.80	20.67	20.56	20.31	20.98	21.96	21.66
31	21.34	---	21.11	21.16	---	20.80	---	20.52	---	21.07	22.01	---

134-058-24CDC2



GROUND-WATER LEVELS
NETWORK SITES--Continued
RANSOM COUNTY--Continued

134-058-24CDC2--Continued



NETWORK SITES--Continued

RENVILLE COUNTY

484500101294901. Local number, 161-084-24DDD.

LOCATION.--Lat 48°45'00", long 101°29'49", Hydrologic Unit 09010005. Owner: North Dakota State Water Commission.

AQUIFER.--Fox Hills.

WELL CHARACTERISTICS.--Drilled observation well, depth 662 ft, cased with 470 ft of 2-in diameter steel pipe, No. 12 slot screen set 470 to 488 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

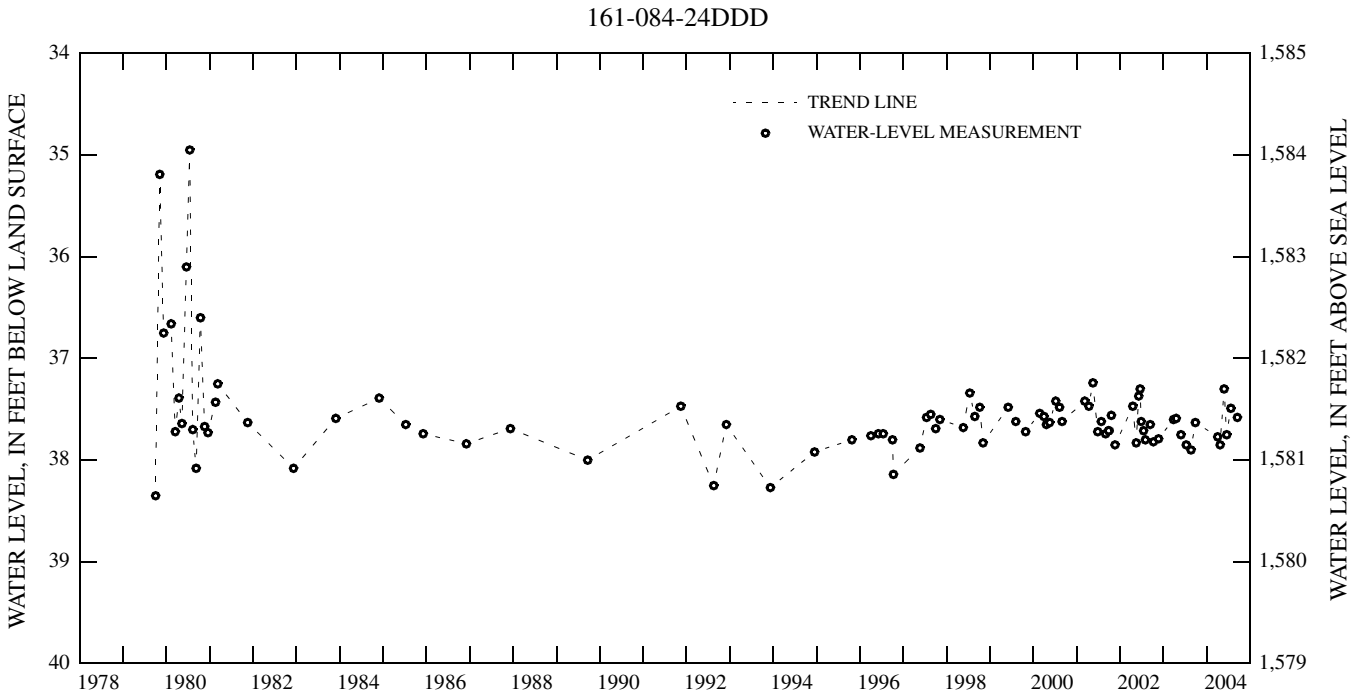
DATUM.--Altitude of land-surface datum is 1,619 ft. Measuring point: Top of casing 3.00 ft above land-surface datum.

PERIOD OF RECORD.--October 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 34.95 ft below land-surface datum, July 17, 1980; lowest water level, 38.35 ft below land-surface datum, October 3, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 01	37.77	APR 22	37.85	MAY 26	37.30	JUN 16	37.75	JUL 21	37.49	SEP 14	37.58
WATER YEAR 2004		HIGHEST	37.30	MAY 26, 2004		LOWEST	37.85	APR 22, 2004			



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 RICHLAND COUNTY

460358096581401. Local number, 130-050-17DDD.

LOCATION.--Lat 46°03'58", long 96°58'14", Hydrologic Unit 09020105. Owner: North Dakota State Water Commission.

AQUIFER.--Milnor Channel.

WELL CHARACTERISTICS.--Drilled observation well, depth 57.6 ft, cased with 57.6 ft of 1.25-in diameter plastic pipe, slotted 47 to 57.6 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

DATUM.--Altitude of land-surface datum is 1,083.18 ft. Measuring point: Top of casing 1.90 ft above land-surface datum.

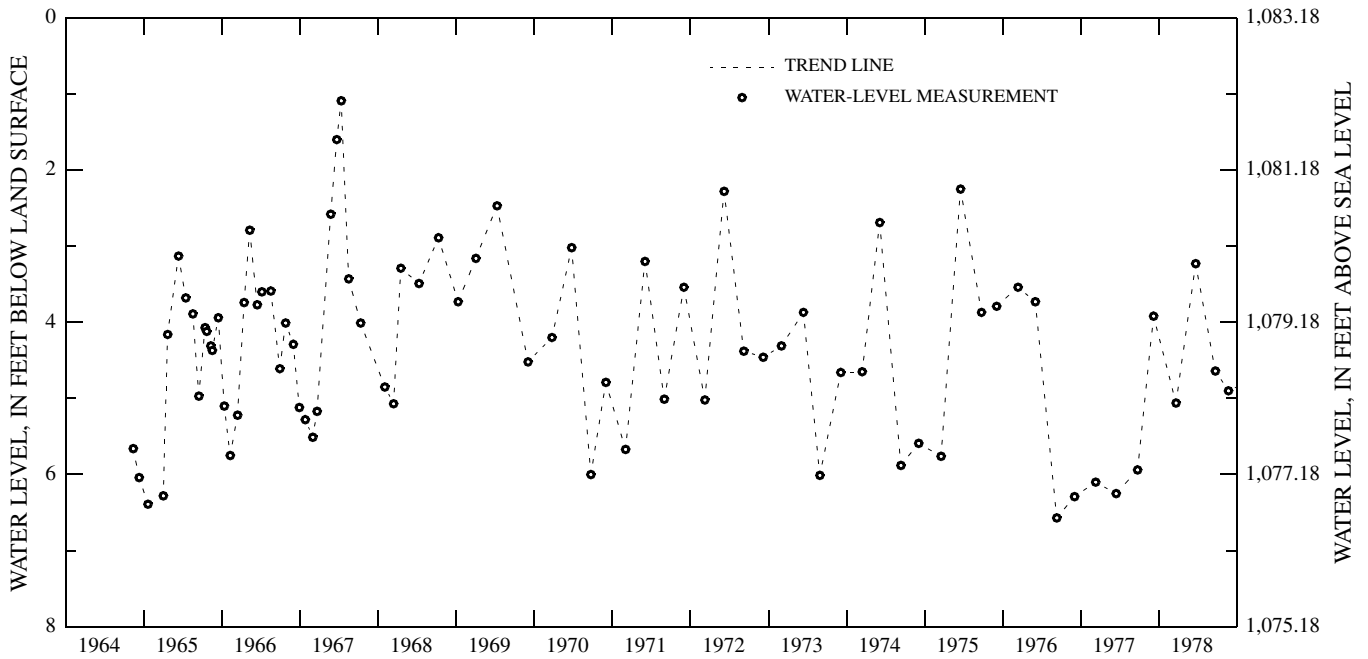
PERIOD OF RECORD.--November 1964 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.53 ft below land-surface datum, April 20, 1997; lowest water level, 6.57 ft below land-surface datum, September 9, 1976.

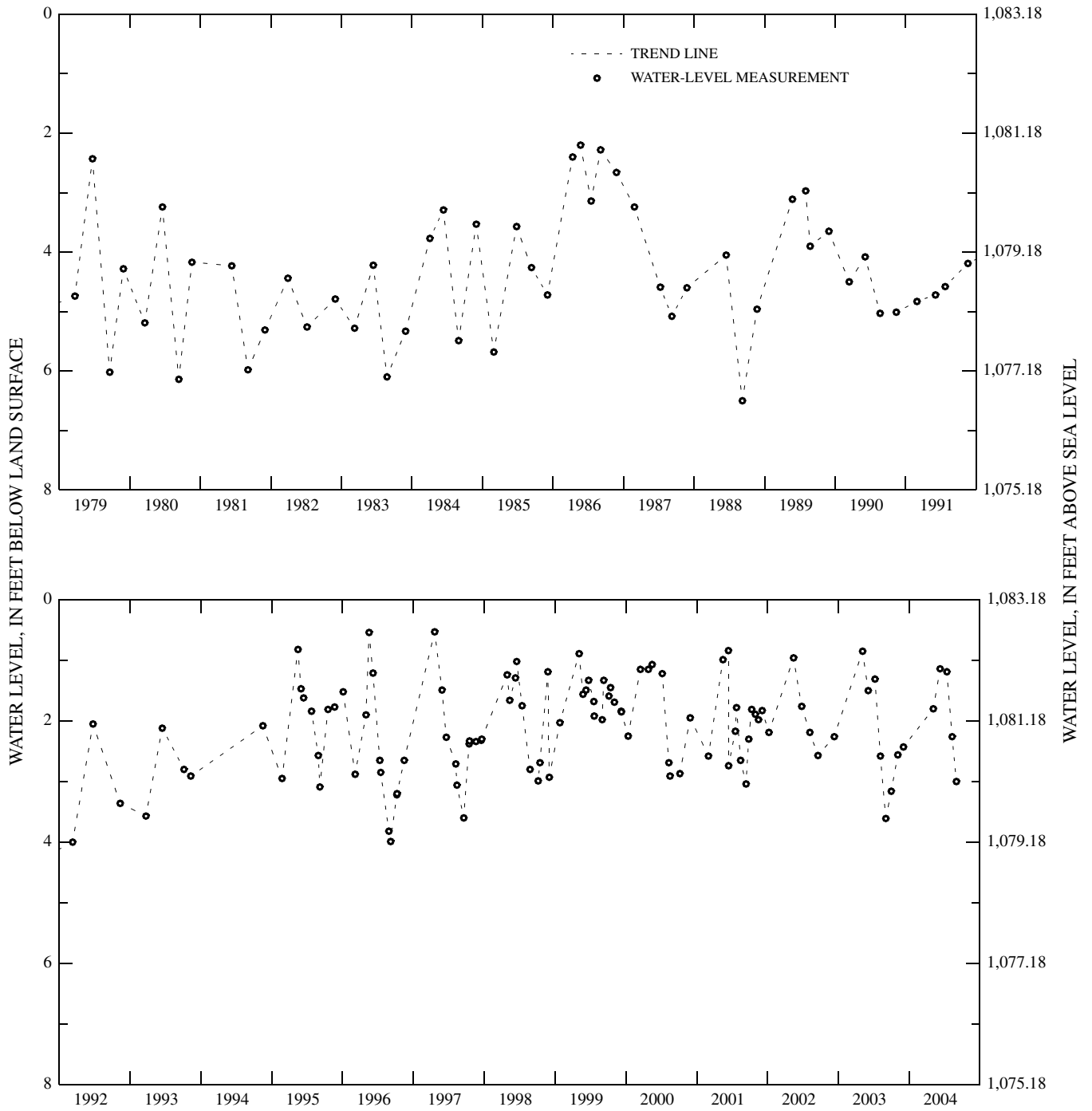
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	3.16	DEC 03	2.43	JUN 09	1.14	JUL 14	1.19	AUG 10	2.26	SEP 01	3.00
NOV 04	2.56	MAY 05	1.80								
WATER YEAR 2004		HIGHEST	1.14	JUN 09, 2004		LOWEST	3.16	OCT 01, 2003			

130-050-17DDD



130-050-17DDD--Continued



GROUND-WATER LEVELS

NETWORK SITES--Continued

RICHLAND COUNTY--Continued

462425096441202. Local number, 134-048-20ADD2.

LOCATION.--Lat 46°24'25", long 96°44'12", Hydrologic Unit 09020105. Owner: North Dakota State Water Commission.

AQUIFER.--Colfax.

WELL CHARACTERISTICS.--Drilled observation well, depth 260 ft, cased with 130 ft of 5-in diameter steel pipe, No. 15 slot screen set 130 to 135 ft below land-surface datum.

INSTRUMENTATION.--Water-level recorder June 1980 to current year, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 941.8 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

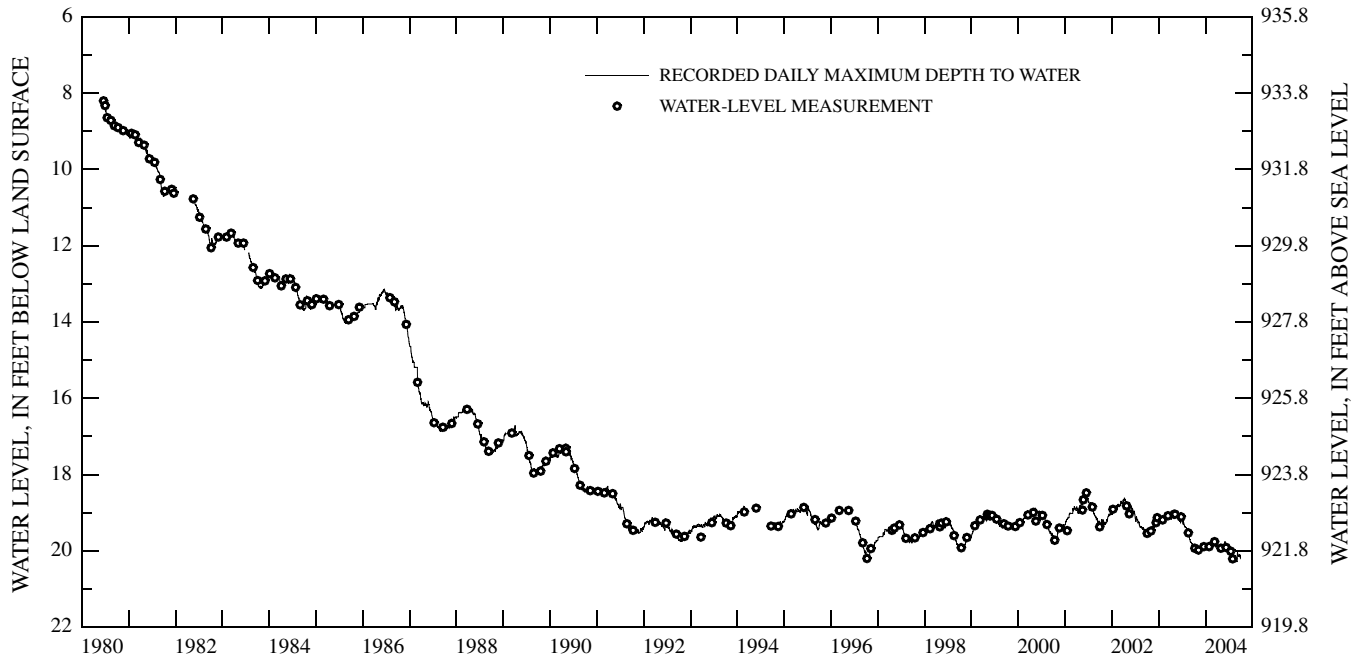
PERIOD OF RECORD.--June 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.20 ft below land-surface datum, June 18, 1980; lowest water level, 20.24 ft below land-surface datum, October 9-10, 1996.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.97	19.98	20.00	19.88	19.84	19.80	19.90	19.94	19.79	20.08	20.18	20.29
2	19.96	19.98	20.00	19.85	19.85	19.85	19.91	19.96	19.83	20.09	20.18	20.28
3	19.93	19.98	19.99	19.90	19.86	19.85	19.92	19.95	19.88	20.09	20.19	20.27
4	19.95	19.98	19.99	19.91	19.86	19.82	19.92	19.93	19.87	20.08	20.22	20.27
5	19.94	19.97	19.99	19.91	19.86	19.78	19.91	19.93	19.86	20.09	20.25	20.07
6	19.95	19.98	19.99	19.91	19.84	19.77	19.89	19.96	19.84	20.08	20.24	20.04
7	19.94	20.02	19.94	19.89	19.84	19.80	19.88	19.98	19.85	19.99	20.19	20.08
8	19.93	20.02	19.96	19.92	19.83	19.80	19.90	19.96	19.92	19.99	20.19	20.09
9	19.93	20.02	19.97	19.93	19.82	19.80	19.92	19.95	19.91	19.99	20.21	20.08
10	19.93	19.99	19.97	19.93	19.82	19.77	19.93	19.97	19.91	20.01	20.22	20.10
11	19.92	19.94	19.97	19.89	19.83	19.81	19.93	19.97	19.90	19.96	20.22	20.13
12	19.90	19.99	19.97	19.91	19.83	19.81	19.93	19.88	19.91	19.97	20.25	20.13
13	19.90	20.01	19.96	19.93	19.79	19.79	19.93	19.93	19.92	19.99	20.26	20.11
14	19.91	19.99	19.93	19.91	19.83	19.82	19.93	19.94	19.96	20.00	20.26	20.13
15	19.93	19.96	19.90	19.91	19.83	19.83	19.90	19.96	19.97	---	20.26	20.13
16	19.95	19.94	19.92	19.88	19.83	19.83	19.92	19.95	19.99	20.07	20.26	20.12
17	19.95	19.94	19.92	19.91	19.83	19.77	19.93	19.93	20.01	20.07	20.25	20.12
18	19.93	19.91	19.94	19.92	19.81	19.80	19.91	19.94	20.05	20.07	20.25	20.13
19	19.94	19.93	19.94	19.92	19.81	19.80	19.93	19.94	20.06	20.07	20.25	20.13
20	19.95	19.96	19.93	19.92	19.79	19.90	19.92	19.97	20.06	20.08	20.27	20.14
21	19.96	19.98	19.90	19.92	19.80	19.90	19.89	19.97	20.03	20.10	20.27	20.12
22	19.96	19.98	19.92	19.92	19.81	19.90	19.93	19.97	20.03	20.14	20.24	20.13
23	19.96	19.97	19.92	19.88	19.83	19.86	19.93	19.98	20.03	20.16	20.25	20.09
24	19.96	19.94	19.92	19.89	19.85	19.85	19.93	19.98	20.05	20.18	20.22	20.11
25	20.00	19.91	19.90	19.88	19.85	19.85	19.91	19.96	20.06	20.19	20.23	20.13
26	20.00	19.92	19.90	19.84	19.84	19.88	19.93	19.96	20.07	20.18	20.22	20.13
27	19.99	19.97	19.89	19.84	19.83	19.88	19.93	19.98	20.07	20.17	20.27	20.18
28	19.91	19.98	19.84	19.87	19.84	19.83	19.87	19.99	20.07	20.16	20.27	20.19
29	19.92	19.96	19.85	19.87	19.84	19.88	19.94	19.99	20.07	20.17	20.27	20.18
30	19.94	19.97	19.86	19.87	---	19.89	19.94	19.78	20.07	20.16	20.27	20.15
31	19.98	---	19.88	19.84	---	19.89	---	19.75	---	20.16	20.27	---

134-048-20ADD2



GROUND-WATER LEVELS

NETWORK SITES--Continued

RICHLAND COUNTY--Continued

462633097163402. Local number, 134-052-06CCD2.

LOCATION.--Lat 46°26'33", long 97°16'34", Hydrologic Unit 09020204. Owner: North Dakota State Water Commission.

AQUIFER.--Sheyenne Delta.

WELL CHARACTERISTICS.--Drilled observation well, depth 283 ft, cased with 40 ft of 4-in diameter plastic pipe, slotted 30 to 40 ft below land-surface datum.

INSTRUMENTATION.--Water-level recorder September 1963 to current year. Only intermittent low and EOM water levels, obtained from strip-chart recorders, are available from the District office for May 1965 to September 1966. From September 1966 to current year, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,067.03 ft. Measuring point: Top of casing 0.65 ft above land-surface datum.

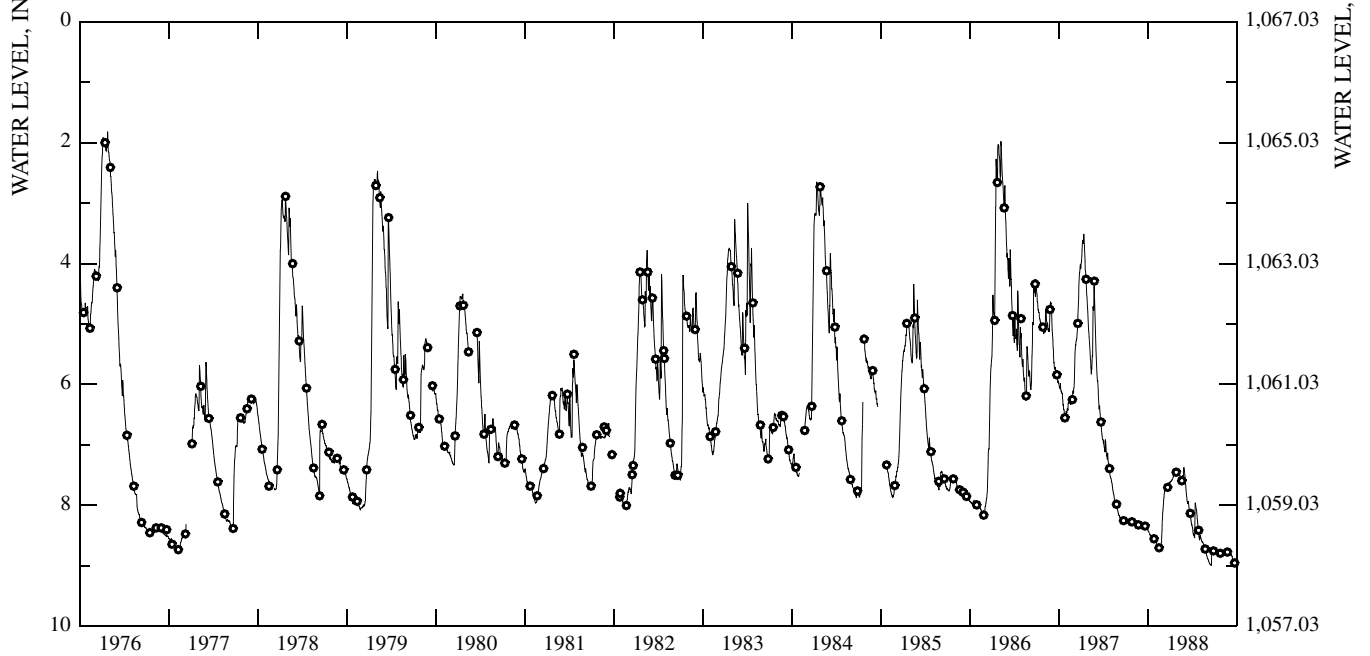
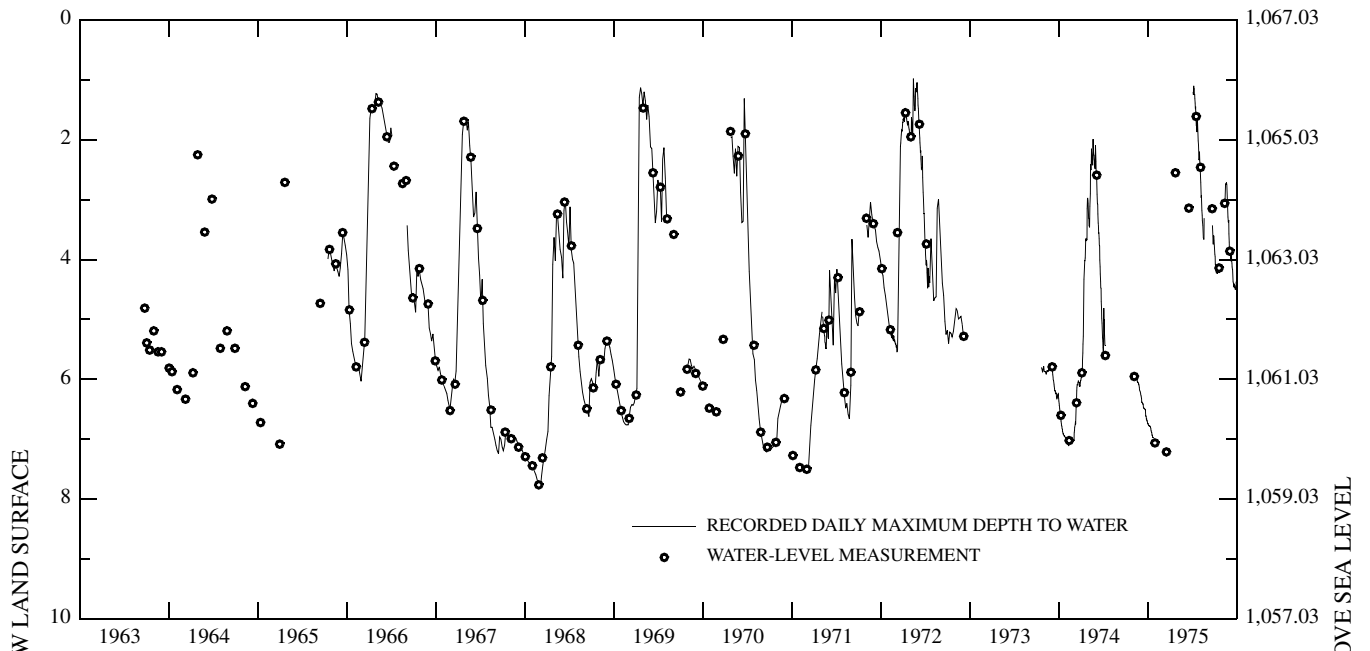
PERIOD OF RECORD.--September 1963 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.78 ft below land-surface datum, May 13, 1972; lowest water level, 9.07 ft below land-surface datum, February 22, 1989.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

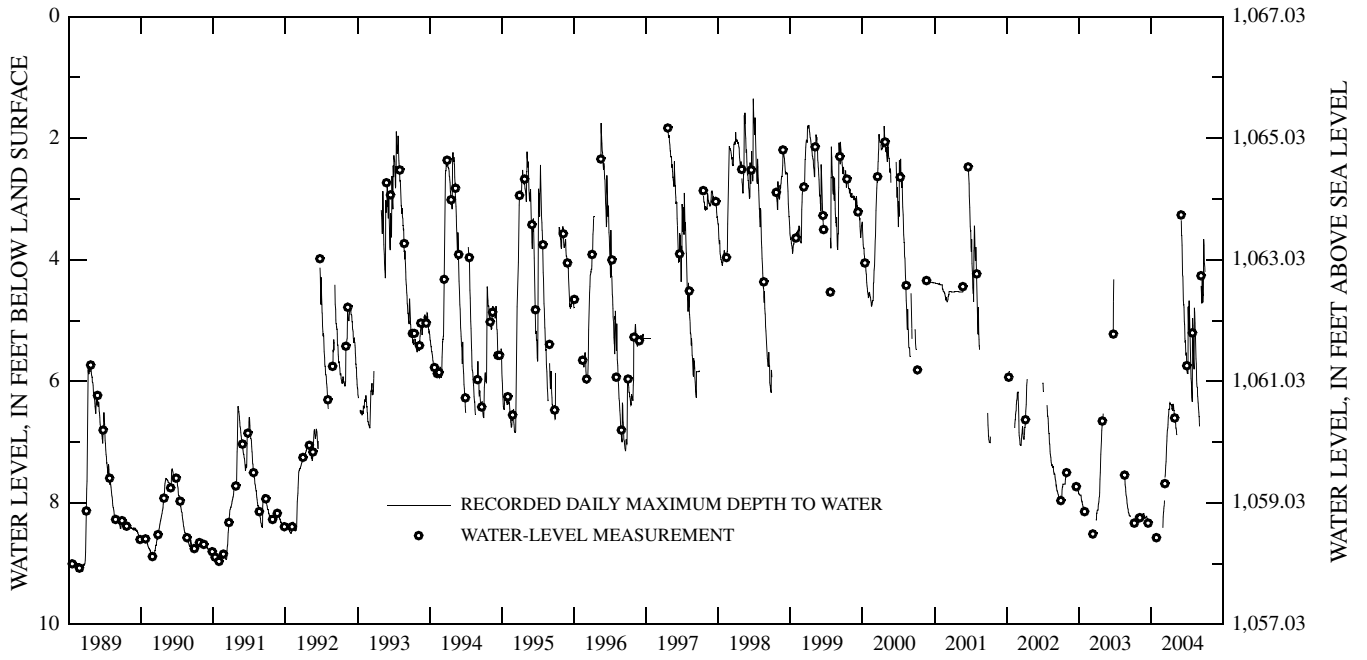
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	8.26	8.25	---	---	8.41	6.45	6.61	---	5.82	5.25	6.58
2	---	8.26	8.25	---	---	8.31	6.46	6.61	3.35	5.85	5.40	6.67
3	---	8.26	8.24	---	---	8.23	6.46	6.61	3.45	5.87	5.51	6.74
4	---	8.25	8.24	---	---	8.15	6.46	6.67	3.60	5.87	5.66	---
5	---	8.29	8.24	---	---	8.14	6.36	6.69	3.60	5.87	5.76	---
6	---	8.29	8.24	---	---	8.09	6.35	6.77	3.76	5.87	5.80	---
7	---	8.30	8.22	---	---	8.06	6.36	6.77	3.98	4.77	5.07	---
8	---	8.30	8.22	---	---	8.03	6.38	6.79	4.10	4.87	4.79	---
9	8.27	8.30	8.22	---	---	7.96	6.38	6.82	4.25	5.03	4.87	---
10	8.28	8.30	8.22	---	---	---	6.38	6.88	4.27	5.15	4.97	---
11	8.29	8.30	8.24	---	---	---	6.38	6.87	4.36	5.15	5.04	4.43
12	8.28	8.30	8.26	---	---	7.58	6.39	---	4.54	4.67	5.18	4.54
13	8.25	8.30	8.26	---	---	7.54	6.38	---	4.67	4.81	5.29	4.67
14	8.22	8.29	8.27	---	---	7.49	6.39	---	4.74	4.92	5.44	4.71
15	8.22	8.27	8.30	---	---	7.44	6.41	---	4.74	5.04	5.52	4.71
16	8.22	8.26	8.32	---	---	7.38	6.45	---	4.78	5.16	5.63	4.32
17	8.22	8.24	8.35	---	---	7.32	6.46	---	4.91	5.25	5.71	4.47
18	8.20	8.22	8.38	---	---	7.27	6.44	---	5.01	5.38	5.86	4.54
19	8.20	8.22	8.38	---	---	7.20	6.48	---	5.07	5.54	5.98	4.68
20	8.22	8.19	8.38	---	---	7.08	6.46	---	5.18	5.64	6.04	4.70
21	8.23	8.18	8.38	---	---	6.98	6.37	---	5.30	5.83	6.08	4.58
22	8.23	8.18	8.38	---	---	6.90	6.39	---	5.36	5.95	6.10	4.58
23	8.23	8.18	8.38	---	---	6.85	6.41	---	5.33	6.01	6.10	4.22
24	8.24	8.18	8.38	---	---	6.80	6.41	---	5.45	6.08	6.24	3.66
25	8.25	8.18	8.37	---	---	6.78	6.45	---	5.53	6.18	6.25	3.76
26	8.25	8.17	8.37	---	---	6.76	6.48	---	5.57	6.26	6.34	3.87
27	8.25	8.20	---	---	---	6.71	6.48	---	5.57	6.33	6.36	4.05
28	8.24	8.21	---	---	---	6.64	6.58	---	5.53	6.33	6.42	4.06
29	8.24	8.21	---	---	---	6.58	6.61	---	5.64	5.06	6.45	4.12
30	8.25	8.25	---	---	---	6.55	6.61	---	5.75	4.96	6.51	4.20
31	8.26	---	---	---	---	6.50	---	---	---	5.08	6.58	---

134-052-06CCD2



GROUND-WATER LEVELS
NETWORK SITES--Continued
RICHLAND COUNTY--Continued

134-052-06CCD2--Continued



GROUND-WATER LEVELS

133

NETWORK SITES--Continued

RICHLAND COUNTY--Continued

463422097115602. Local number, 136-052-22DDD2.

LOCATION.--Lat 46°34'22", long 97°11'56", Hydrologic Unit 09020204. Owner: North Dakota State Water Commission.

AQUIFER.--Sheyenne Delta.

WELL CHARACTERISTICS.--Drilled observation well, depth 26.9 ft, cased with 26.4 ft of 4-in diameter plastic pipe, slotted 17 to 26.4 ft below land-surface datum.

INSTRUMENTATION.--Water-level recorder October 1963 to current year. Only intermittent low and EOM water levels, obtained from strip-chart recorders, are available from the District office for July 1965 to September 1966. From September 1966 to current year, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,050 ft. Measuring point: Top of casing 0.50 ft above land-surface datum.

PERIOD OF RECORD.--October 1963 to current year.

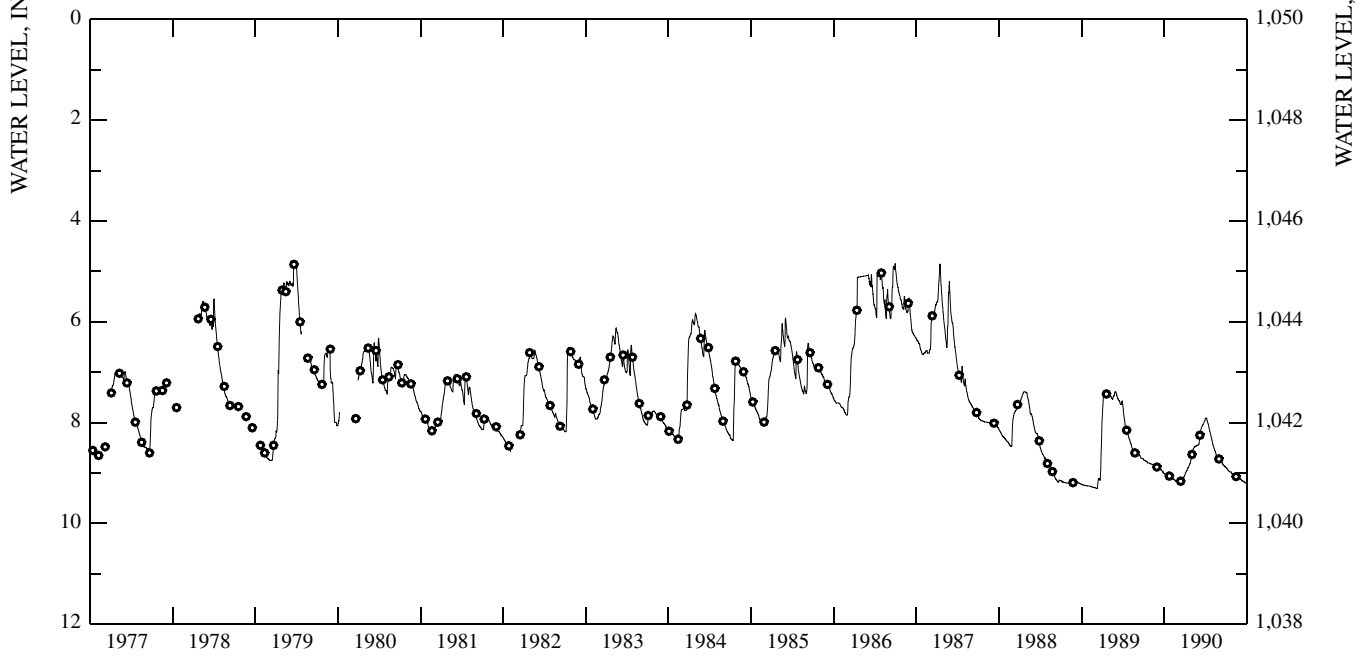
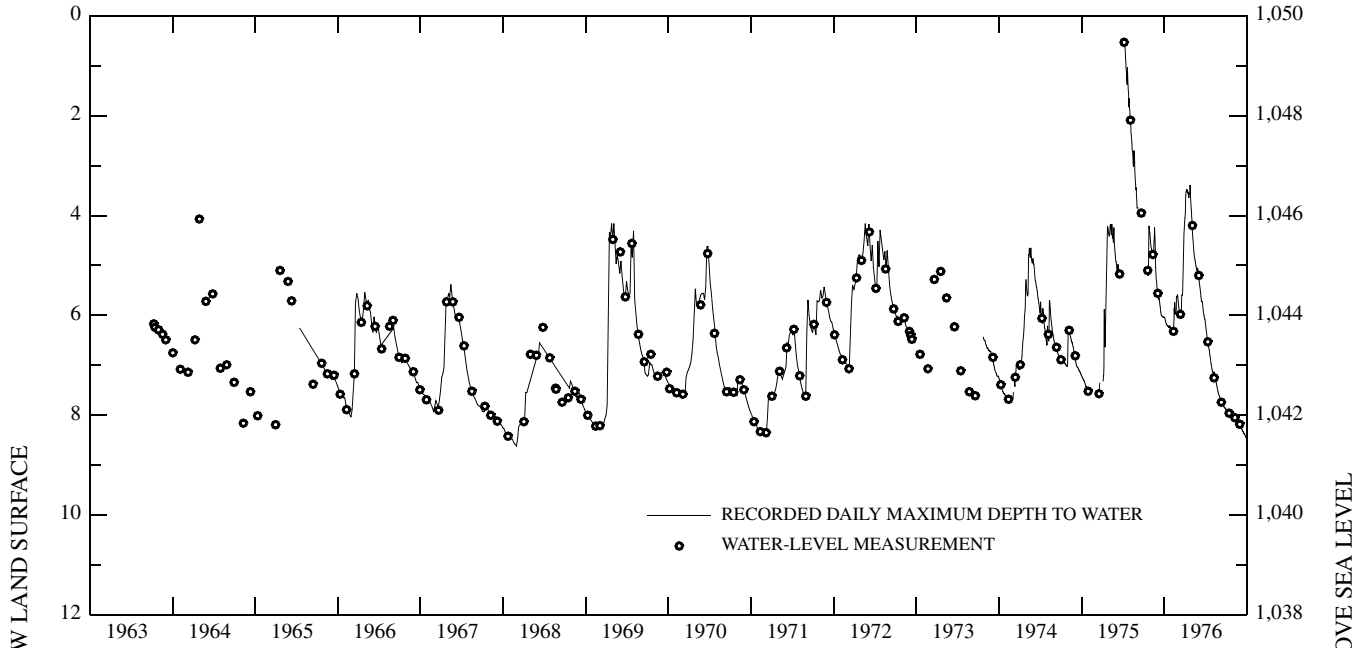
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.21 ft below land-surface datum, July 9, 1975; lowest water level, 9.35 ft below land-surface datum, March 1-10, 1991.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

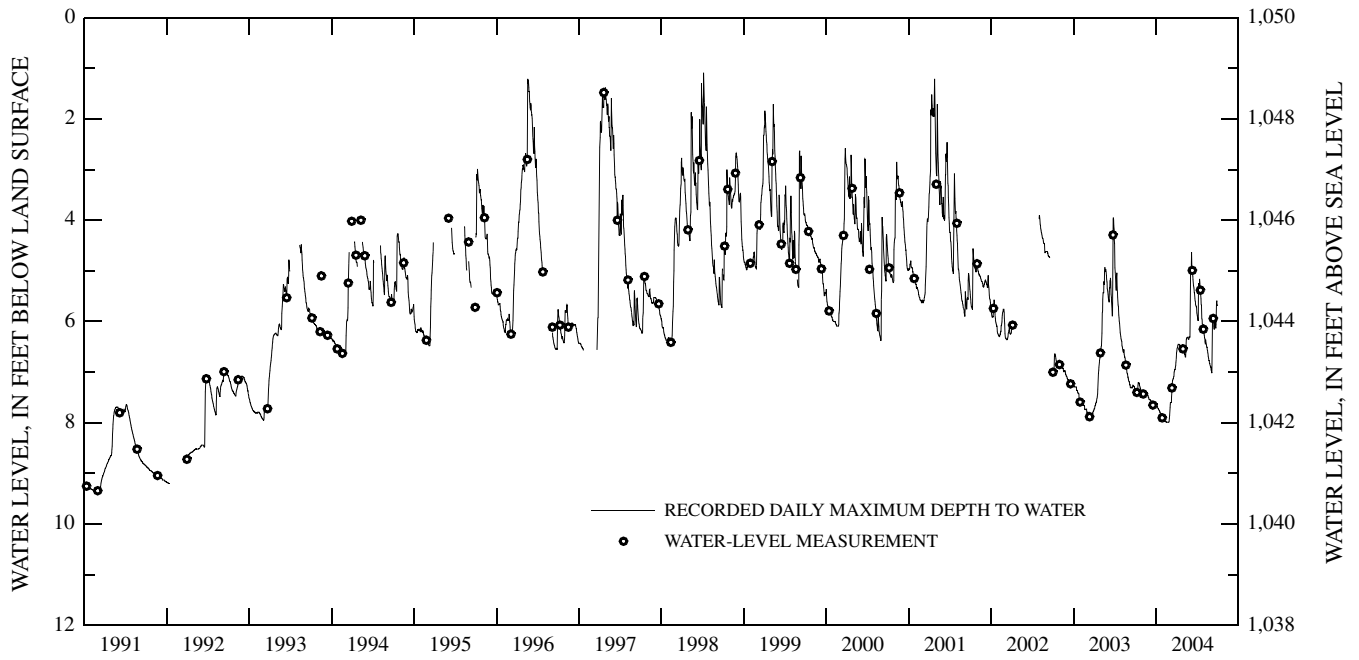
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.33	7.41	7.53	7.66	7.93	7.85	6.62	6.57	5.28	5.87	6.26	6.96
2	7.33	7.41	7.54	7.66	7.94	7.79	6.58	6.58	4.99	5.89	6.28	6.96
3	7.33	7.41	7.54	7.66	7.94	7.70	6.54	6.58	4.95	5.92	6.32	7.00
4	7.34	7.42	7.54	7.67	7.94	7.63	6.52	6.61	4.98	5.97	6.33	7.02
5	7.34	7.43	7.55	7.67	7.95	7.60	6.51	6.61	5.00	5.98	6.40	6.85
6	7.35	7.43	7.55	7.67	7.95	7.60	6.48	6.64	4.63	5.98	6.44	6.34
7	7.36	7.44	7.55	7.67	7.96	7.60	6.47	6.64	4.82	5.42	6.44	5.94
8	7.41	7.44	7.56	7.70	7.96	7.60	6.45	6.66	4.95	5.24	6.36	5.88
9	7.42	7.45	7.57	7.71	7.97	7.60	6.45	6.68	5.01	5.31	6.42	5.87
10	7.42	7.45	7.57	7.72	7.97	7.49	6.45	6.70	5.04	5.37	6.43	5.92
11	7.43	7.46	7.59	7.72	7.98	7.39	6.45	6.70	5.07	5.37	6.46	5.97
12	7.36	7.46	7.59	7.74	7.98	7.28	6.45	6.61	5.11	5.16	6.49	5.98
13	7.26	7.46	7.60	7.74	7.98	7.21	6.46	6.43	5.17	5.23	6.51	6.09
14	7.20	7.46	7.61	7.75	7.98	7.17	6.47	6.36	5.25	5.33	6.51	6.15
15	7.21	7.45	7.62	7.76	7.98	7.16	6.47	6.34	5.29	---	6.56	6.15
16	7.21	7.45	7.63	7.76	7.99	7.13	6.47	6.32	5.32	5.37	6.57	6.08
17	7.21	7.44	7.63	7.78	7.99	7.13	6.47	6.32	5.34	5.47	6.61	5.97
18	7.23	7.42	7.67	7.79	7.99	7.13	6.47	6.32	5.43	5.55	6.64	5.99
19	7.23	7.42	7.67	7.79	7.99	7.09	6.48	6.32	5.43	5.66	6.68	6.07
20	7.27	7.41	7.67	7.82	7.99	7.08	6.48	6.31	5.47	5.68	6.70	6.10
21	7.28	7.42	7.67	7.83	7.99	7.00	6.48	6.31	5.54	5.84	6.73	6.13
22	7.30	7.42	7.67	7.84	7.99	6.99	6.49	6.31	5.59	5.94	6.77	6.13
23	7.31	7.42	7.67	7.85	7.99	6.96	6.50	6.35	5.61	5.96	6.77	6.06
24	7.32	7.44	7.67	7.85	7.99	6.95	6.50	6.35	5.66	6.04	6.79	5.82
25	7.35	7.46	7.67	7.85	7.99	6.95	6.50	6.35	5.68	6.12	6.83	5.62
26	7.35	7.46	7.67	7.88	7.99	6.93	6.51	6.33	5.69	6.18	6.83	5.59
27	7.36	7.48	7.67	7.89	7.98	6.90	6.51	6.31	5.71	6.22	6.86	5.66
28	7.37	7.50	7.67	7.92	7.97	6.87	6.52	6.31	5.71	6.23	6.87	5.68
29	7.39	7.50	7.67	7.92	7.92	6.81	6.56	6.31	5.77	6.11	6.89	5.68
30	7.40	7.53	7.67	7.92	---	6.75	6.56	6.31	5.83	6.06	6.90	5.69
31	7.41	---	7.67	7.92	---	6.70	---	6.08	---	6.18	6.90	---

GROUND-WATER LEVELS
NETWORK SITES--Continued
RICHLAND COUNTY--Continued

136-052-22DDD2



136-052-22DDD2--Continued



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 ROLETTE COUNTY

484731099504104. Local number, 161-071-03CDD4.

LOCATION.--Lat 48°47'31", long 99°50'41", Hydrologic Unit 09010004. Owner: Public Health Service.

AQUIFER.--Shell Valley.

WELL CHARACTERISTICS.--Drilled observation well, depth 42 ft, cased with 28.3 ft of 8-in diameter steel pipe, No. 40 slot screen set 28.3 to 38.3 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape February 2002 to current year. Water-level recorder August 1979 to February 2002. Only intermittent low and EOM water levels, obtained from strip-chart recorders, are available from the District office for November 1974 to August 1979. From August 1979 to February 2002, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,752 ft. Measuring point: Top of casing 1.80 ft above land-surface datum.

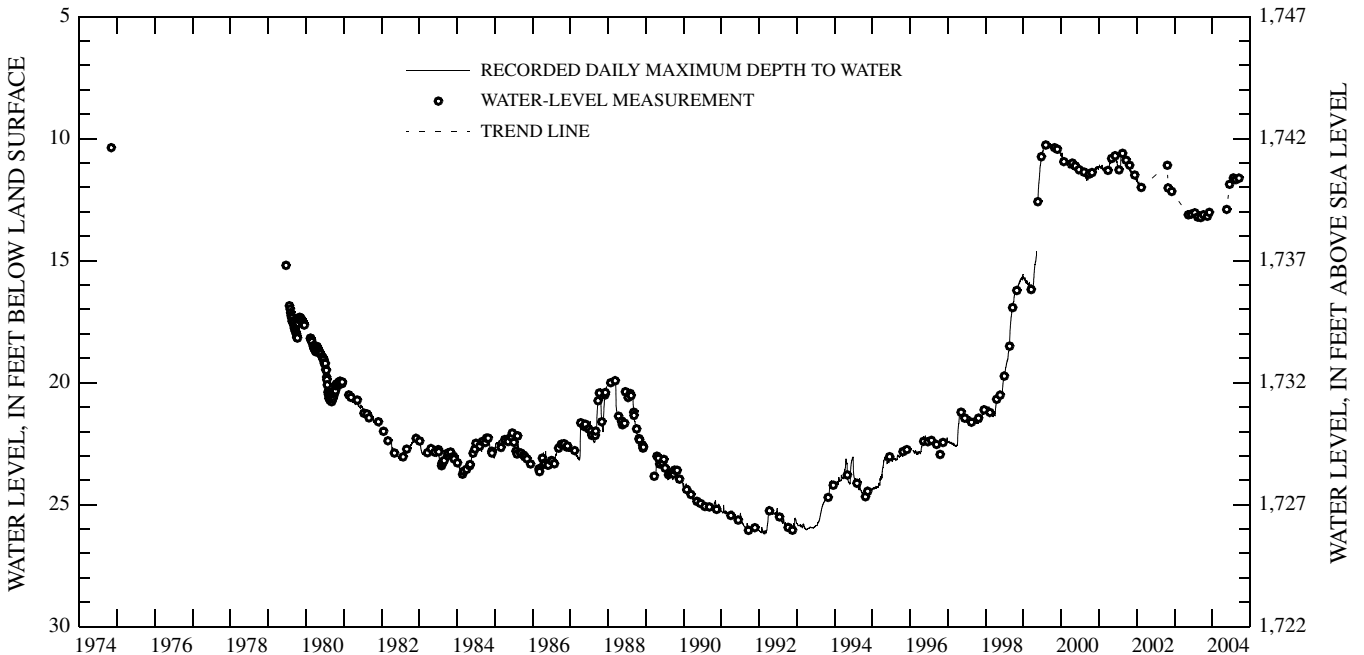
PERIOD OF RECORD.--November 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 10.05 ft below land-surface datum, August 15, 1999; lowest water level, 26.19 ft below land-surface datum, February 24, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	13.12	DEC 03	13.02	JUN 16	11.87	JUL 22	11.61	AUG 17	11.68	SEP 15	11.62
NOV 14	13.18	MAY 19	12.90								
WATER YEAR 2004		HIGHEST	11.61	JUL 22, 2004		LOWEST	13.18	NOV 14, 2003			

161-071-03CDD4



NETWORK SITES--Continued

ROLETTE COUNTY--Continued

484310099572401. Local number, 161-072-35CDC.

LOCATION.--Lat 48°43'10", long 99°57'24", Hydrologic Unit 09010004. Owner: North Dakota State Water Commission.

AQUIFER.--Shell Valley.

WELL CHARACTERISTICS.--Drilled observation well, depth 77 ft, cased with 70 ft of 5-in diameter plastic pipe, No. 15 slot screen set 70 to 75 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape February 2002 to current year. Water-level recorder November 1982 to September 2001, daily maximum and minimum recorded water levels also are available.

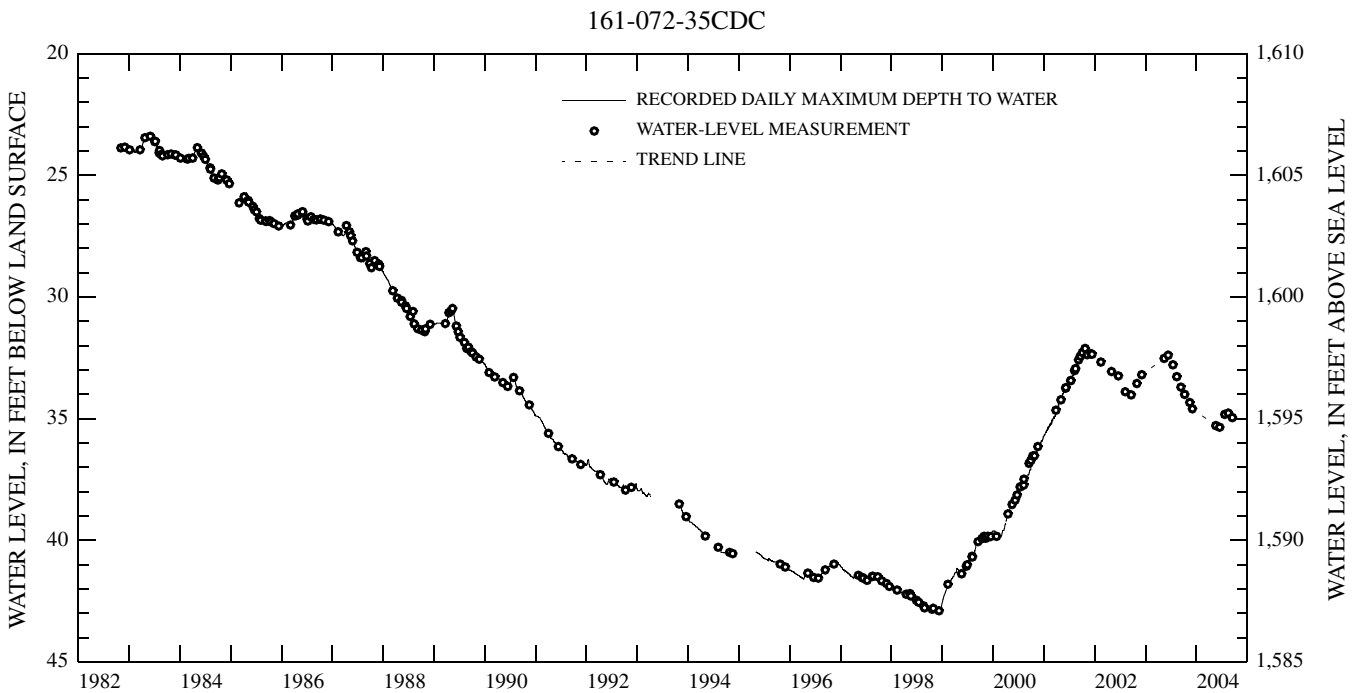
DATUM.--Altitude of land-surface datum is 1,630 ft. Measuring point: Top of casing 1.00 ft above land-surface datum.

PERIOD OF RECORD.--November 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 23.33 ft below land-surface datum, May 21, 1983; lowest water level, 42.93 ft below land-surface datum, December 14-20, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	34.00	DEC 03	34.59	JUN 16	35.35	JUL 22	34.82	AUG 17	34.77	SEP 15	34.95
NOV 14	34.33	MAY 19	35.28								
WATER YEAR 2004		HIGHEST	34.00	OCT 08, 2003		LOWEST	35.35	JUN 16, 2004			



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 ROLETTE COUNTY--Continued

485707100053701. Local number, 163-073-11CCC1.

LOCATION.--Lat 48°57'07", long 100°05'37", Hydrologic Unit 09010004. Owner: North Dakota State Water Commission.

AQUIFER.--Fox Hills.

WELL CHARACTERISTICS.--Drilled observation well, depth 715 ft, cased with 406 ft of 2-in diameter steel pipe, No. 12 slot screen set 406 to 412 ft below land-surface datum.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 2,123 ft. Measuring point: Top of casing 3.37 ft above land-surface datum.

PERIOD OF RECORD.--September 1978 to November 2001.

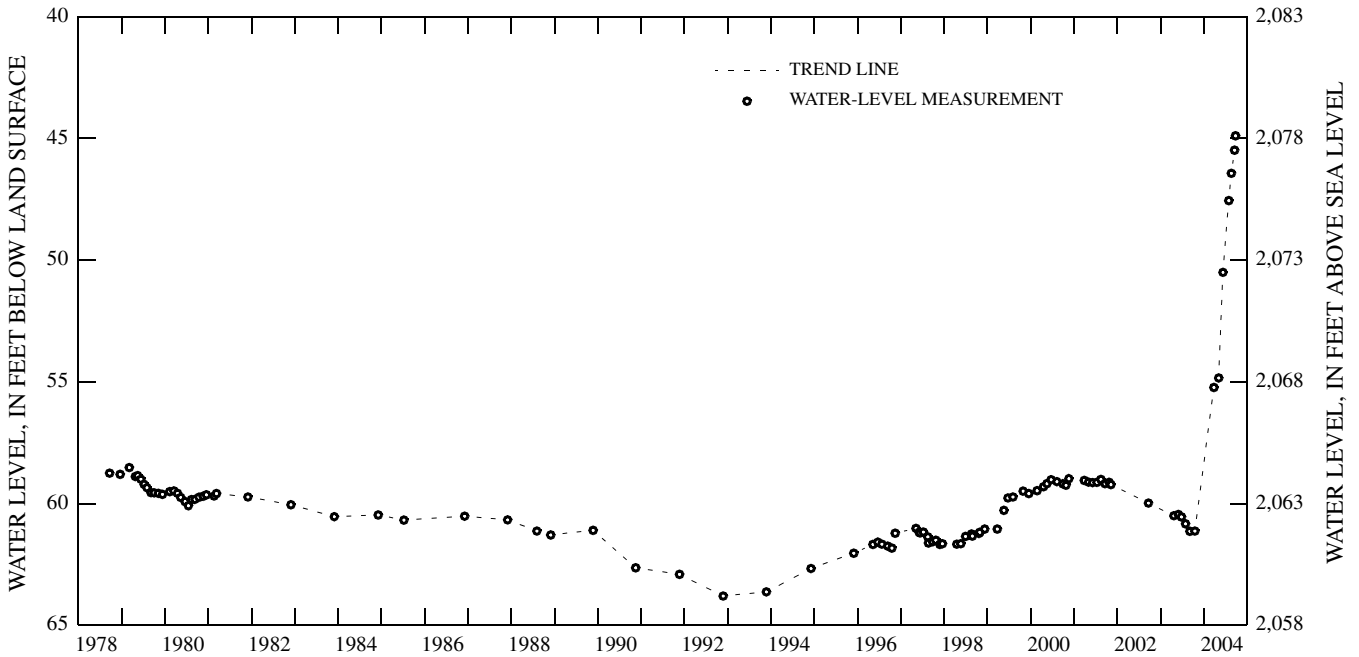
REMARKS.--Well casing appears to have failed causing erroneous water levels.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 44.89 ft below land-surface datum, September 23, 2004; lowest water level, 63.80 ft below land-surface datum, November 23, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	61.13	MAY 04	54.84	JUL 28	47.55	AUG 19	46.43	SEP 15	45.48	SEP 23	44.89
MAR 25	55.23	JUN 09	50.50								
WATER YEAR 2004		HIGHEST	44.89	SEP 23, 2004	LOWEST	61.13	OCT 16, 2003				

163-073-11CCC1



NETWORK SITES--Continued

ROLETTE COUNTY--Continued

485707100053702. Local number, 163-073-11CCC2.

LOCATION.--Lat 48°57'07", long 100°05'37", Hydrologic Unit 09010004. Owner: North Dakota State Water Commission.

AQUIFER.--Hell Creek.

WELL CHARACTERISTICS.--Drilled observation well, depth 295 ft, cased with 269 ft of 2-in diameter steel pipe, No. 12 slot screen set 269 to 275 ft below land-surface datum.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 2,123 ft. Measuring point: Top of casing 3.40 ft above land-surface datum.

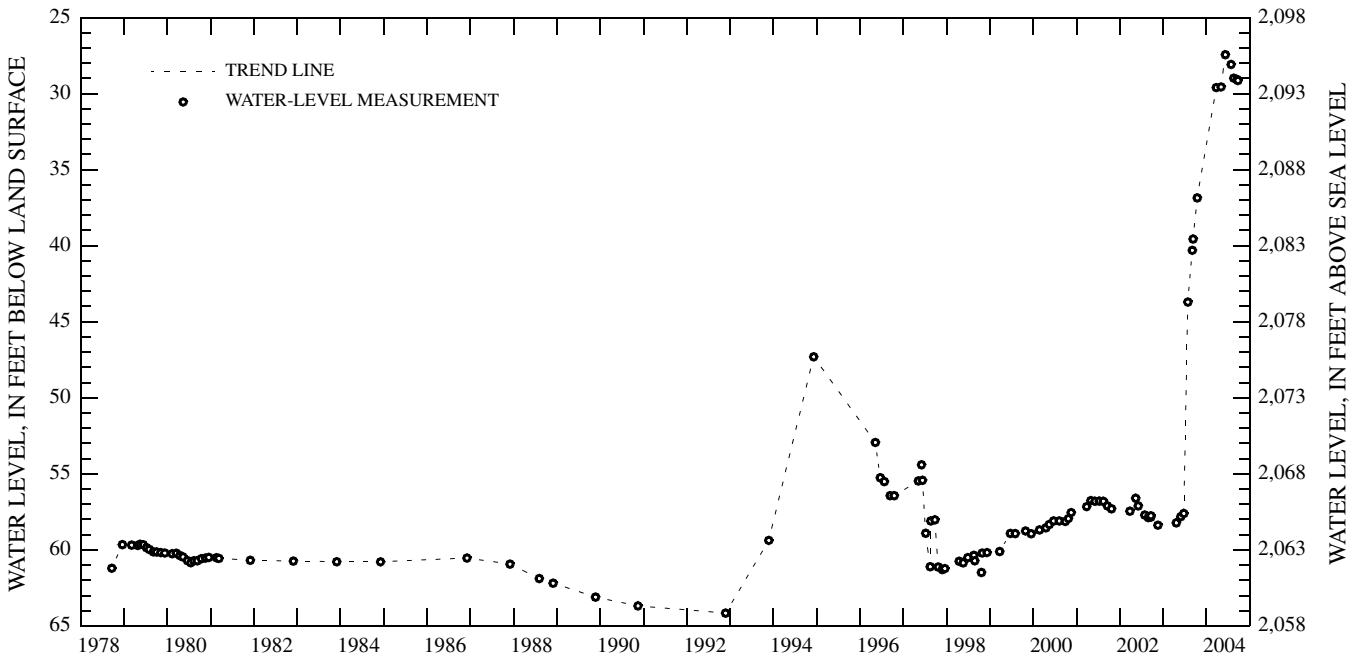
PERIOD OF RECORD.--September 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 27.44 ft below land-surface datum, June 9, 2004; lowest water level, 64.15 ft below land-surface datum, November 23, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	36.85	MAY 04	29.56	JUL 28	28.08	AUG 19	28.98	SEP 15	29.07	SEP 23	29.13
MAR 25	29.60	JUN 09	27.44								
WATER YEAR 2004		HIGHEST	27.44	JUN 09, 2004		LOWEST	36.85	OCT 16, 2003			

163-073-11CCC2



GROUND-WATER LEVELS
NETWORK SITES--Continued
SARGENT COUNTY

460120097591803. Local number, 129-058-06AAA3.

LOCATION.--Lat 46°01'20", long 97°59'18", Hydrologic Unit 10160003. Owner: North Dakota State Water Commission.

AQUIFER.--Oakes.

WELL CHARACTERISTICS.--Drilled observation well, depth 65 ft, cased with 52 ft of 6-in diameter plastic pipe, 4 in No. 25 slot screen set 52 to 57 ft below land-surface datum.

INSTRUMENTATION.--Water-level recorder November 1993 to current year, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,313 ft. Measuring point: Top of casing 1.0 ft above land-surface datum.

PERIOD OF RECORD.--November 1993 to current year.

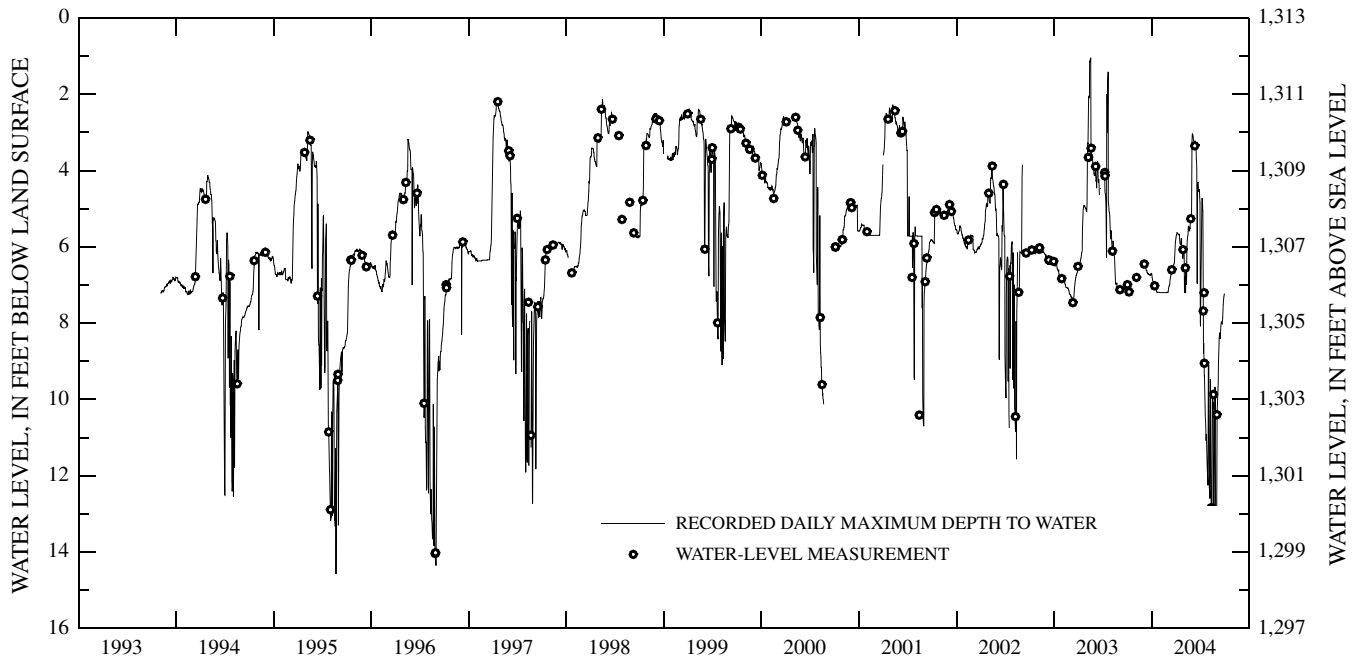
REMARKS.--This well replaces NDSWC 9619A drilled on July 1, 1976, which collapsed in September 1993. The new well was drilled on October 3, 1993, by the North Dakota State Water Commission and instrumented on November 3, 1993.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.99 ft below land-surface datum, May 17, 2003; lowest water level, 14.58 ft below land-surface datum, August 23, 1995.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.07	---	---	6.70	7.20	7.19	5.76	6.13	3.03	7.97	9.03	10.97
2	7.07	---	---	6.73	7.20	7.19	5.72	6.12	3.04	8.08	9.03	10.35
3	7.07	---	---	6.80	7.20	7.17	5.70	7.20	3.05	7.20	11.51	10.13
4	7.07	---	---	6.85	7.20	7.11	5.67	7.20	3.10	5.84	12.32	10.00
5	7.07	---	---	6.87	7.20	7.05	5.63	7.20	3.16	5.46	12.36	9.77
6	7.08	---	---	6.91	7.20	7.03	5.64	6.78	3.22	5.13	12.60	9.55
7	7.15	---	---	6.93	7.20	7.02	5.64	7.20	3.23	4.75	12.29	9.13
8	---	---	---	7.01	7.20	7.00	5.65	6.56	3.23	4.72	9.47	8.84
9	---	---	6.51	7.02	7.20	6.97	5.66	6.45	3.23	4.74	9.91	8.59
10	---	---	6.55	7.02	7.20	6.85	5.68	6.92	3.40	5.03	12.37	8.39
11	---	---	6.58	7.02	7.20	6.81	5.68	6.99	3.39	5.05	12.94	8.29
12	---	---	6.62	7.05	7.20	6.79	5.68	6.12	3.23	8.10	12.97	8.25
13	---	---	6.62	7.05	7.20	6.73	5.67	5.83	3.23	8.80	12.95	8.37
14	---	---	6.62	7.05	7.20	6.72	5.66	5.78	3.30	8.52	12.79	8.41
15	---	---	6.67	7.05	7.20	6.72	5.82	5.72	3.30	8.89	10.01	8.23
16	---	---	6.68	7.08	7.20	6.68	5.90	5.69	3.70	9.39	9.85	8.10
17	---	---	6.70	7.09	7.20	6.63	5.93	5.47	3.74	9.39	9.94	8.00
18	---	---	6.71	7.09	7.20	6.64	5.95	5.46	3.97	9.80	10.23	7.97
19	---	---	6.71	7.16	7.20	6.61	5.88	5.46	6.92	10.21	10.08	7.97
20	---	---	6.70	7.18	7.20	6.61	5.85	5.55	6.97	10.44	12.88	8.01
21	---	---	6.72	7.19	7.20	6.61	5.77	5.58	4.32	10.56	13.12	8.02
22	---	---	6.72	7.19	7.20	6.55	5.80	5.58	4.31	10.93	13.21	7.95
23	---	---	6.72	7.19	7.20	6.51	6.17	5.51	4.30	11.08	10.78	7.86
24	---	---	6.73	7.19	7.20	6.46	6.14	5.51	4.52	10.91	9.93	7.67
25	---	---	6.74	7.19	7.20	6.44	6.11	5.28	4.55	11.35	9.67	7.52
26	---	---	6.75	7.19	7.19	6.42	6.29	5.32	4.55	11.47	9.71	7.40
27	---	---	6.75	7.19	7.20	6.34	6.30	5.30	4.48	11.79	13.09	7.31
28	---	---	6.71	7.19	7.20	6.14	6.16	5.31	4.58	11.96	13.84	7.29
29	---	---	6.71	7.19	7.20	5.96	6.16	5.31	4.71	12.05	14.00	7.23
30	---	---	6.71	7.19	---	5.89	6.15	4.40	4.85	12.25	14.25	7.25
31	---	---	6.71	7.20	---	5.82	---	3.21	---	9.22	14.48	---

129-058-06AAA3



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 SARGENT COUNTY--Continued

461003097191501. Local number, 131-053-10CCC.

LOCATION.--Lat 46°10'03", long 97°19'15", Hydrologic Unit 09020105. Owner: North Dakota State Water Commission.

AQUIFER.--Milnor Channel.

WELL CHARACTERISTICS.--Drilled observation well, depth 140 ft, cased with 50 ft of 1.25-in diameter plastic pipe, No. 12 slot screen set 50 to 56 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

DATUM.--Altitude of land-surface datum is 1,092 ft. Measuring point: Top of casing 2.20 ft above land-surface datum.

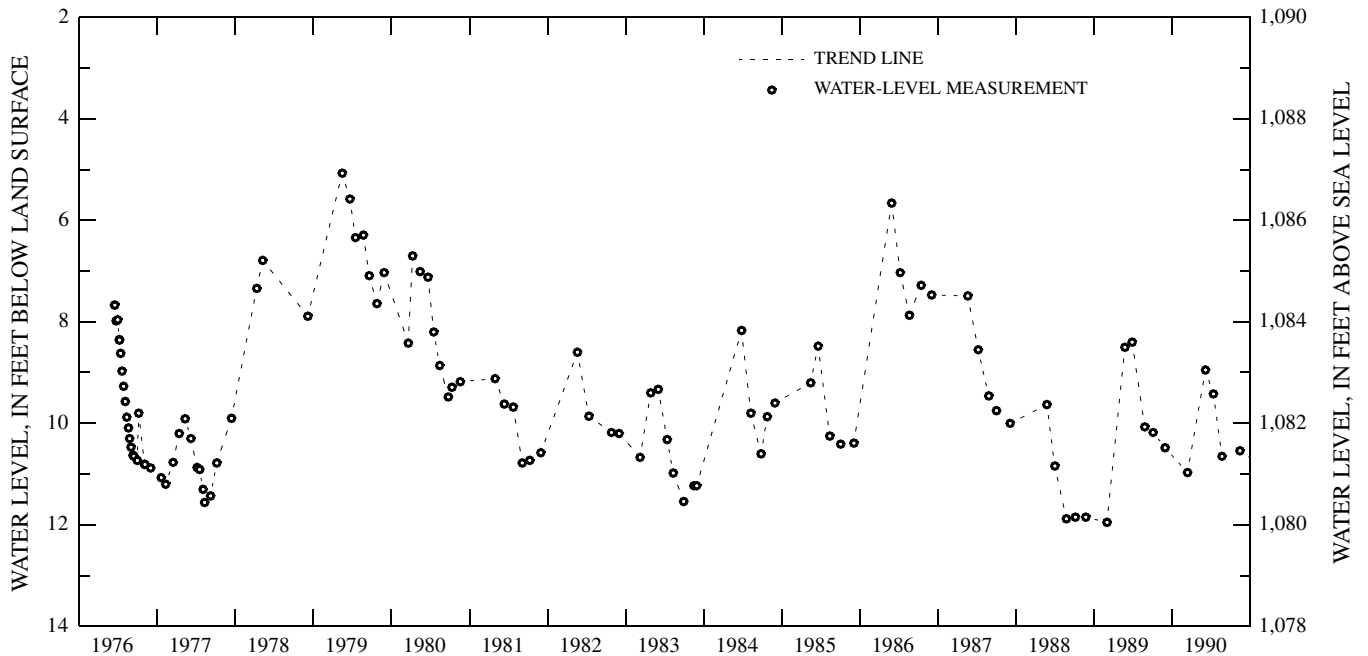
PERIOD OF RECORD.--June 1976 to current year.

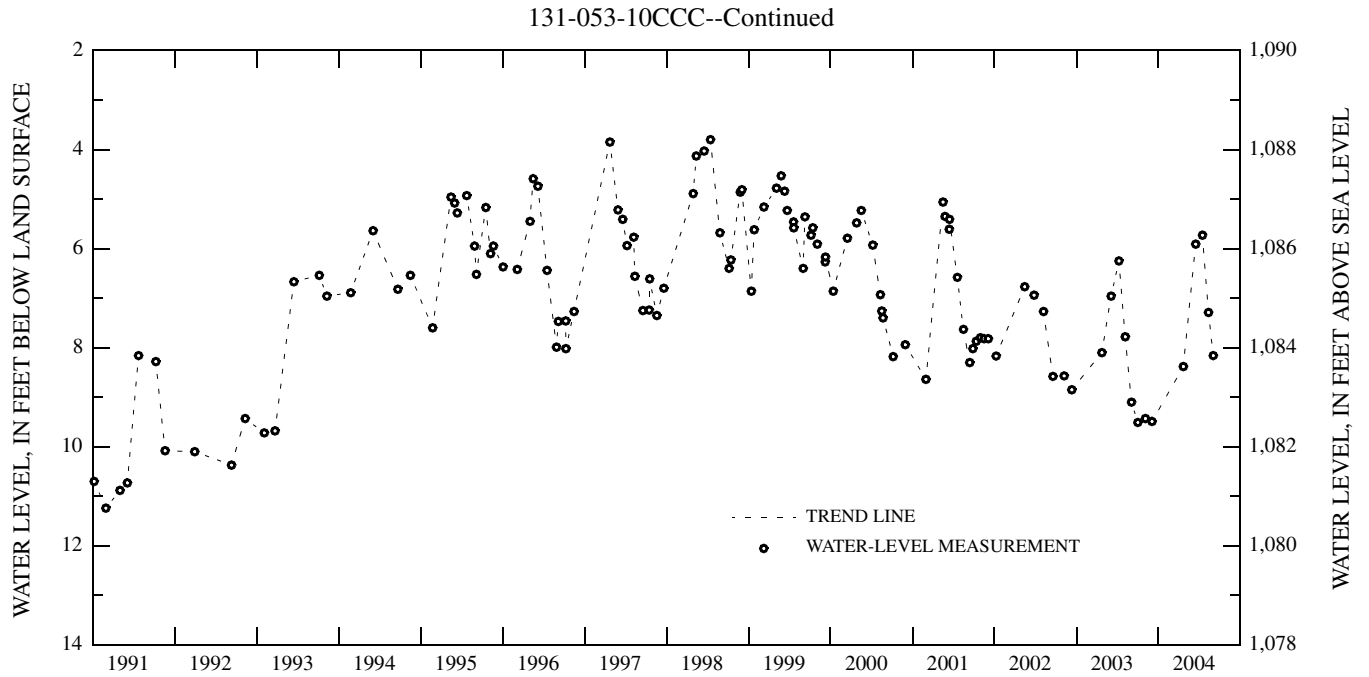
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.80 ft below land-surface datum, July 15, 1998; lowest water level, 11.95 ft below land-surface datum, March 1, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	9.51	DEC 03	9.49	JUN 15	5.91	JUL 15	5.73	AUG 11	7.29	SEP 01	8.16
NOV 04	9.43	APR 21	8.38								
WATER YEAR 2004		HIGHEST	5.73	JUL 15, 2004		LOWEST	9.51	OCT 01, 2003			

131-053-10CCC





GROUND-WATER LEVELS
 NETWORK SITES--Continued
 SHERIDAN COUNTY

474817100063801. Local number, 150-074-14CCC.

LOCATION.--Lat 47°48'17", long 100°06'38", Hydrologic Unit 09020202. Owner: North Dakota State Water Commission.

AQUIFER.--Martin.

WELL CHARACTERISTICS.--Drilled observation well, depth 235 ft, cased with 130 ft of 1.25-in diameter plastic pipe, No. 18 slot screen set 130 to 133 ft below land-surface datum.

INSTRUMENTATION.--Measured using an electric tape.

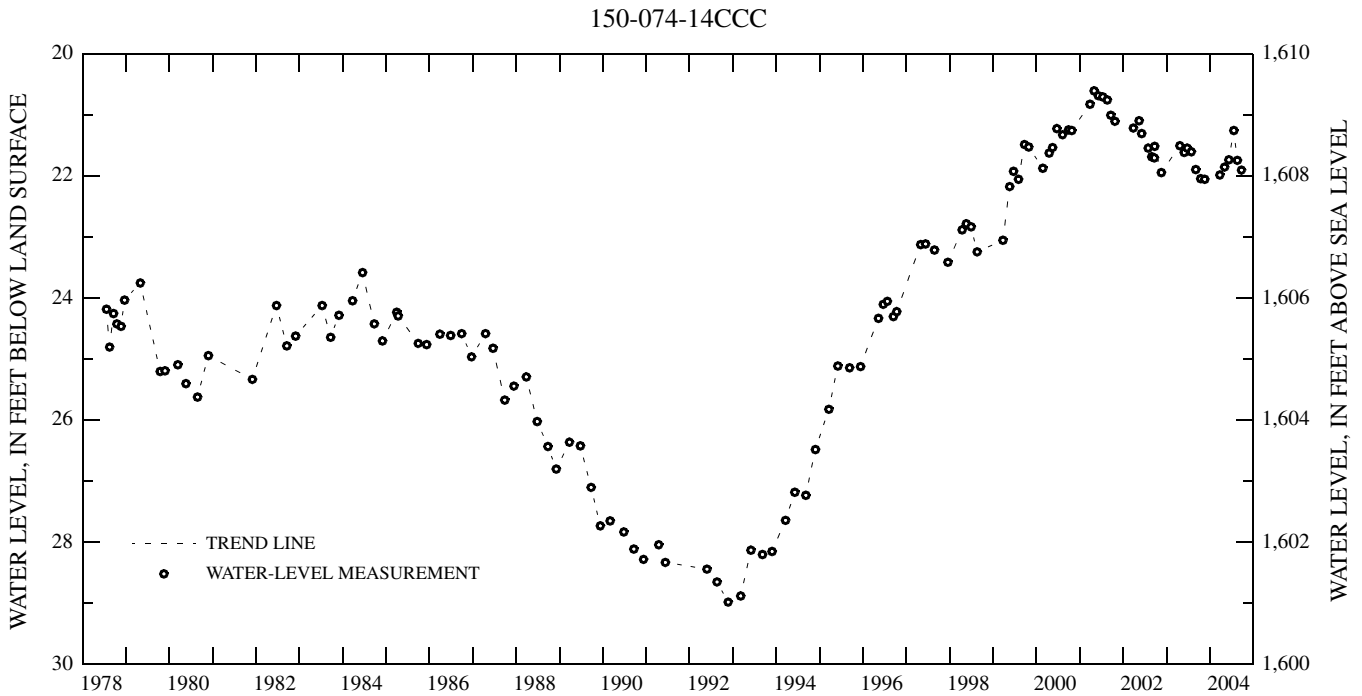
DATUM.--Altitude of land-surface datum is 1,630 ft. Measuring point: Top of casing 1.00 ft above land-surface datum.

PERIOD OF RECORD.--July 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 20.60 ft below land-surface datum, May 1, 2001; lowest water level, 29.06 ft below land-surface datum, August 19, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	22.04	MAR 25	21.98	JUN 09	21.73	JUL 21	21.25	AUG 19	21.74	SEP 23	21.90
NOV 19	22.05	MAY 04	21.85								
WATER YEAR 2004		HIGHEST	21.25	JUL 21, 2004		LOWEST	22.04	OCT 16, 2003			



NETWORK SITES--Continued

SIOUX COUNTY

460244101272701. Local number, 130-086-28CCC1.

LOCATION.--Lat 46°02'44", long 101°27'27", Hydrologic Unit 10130205. Owner: North Dakota State Water Commission.

AQUIFER.--Fox Hills.

WELL CHARACTERISTICS.--Drilled observation well, depth 580 ft, cased with 406 ft of 2-in diameter steel pipe, No. 12 slot screen set 406 to 424 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

DATUM.--Altitude of land-surface datum is 2,062 ft. Measuring point: Top of casing 3.00 ft above land-surface datum.

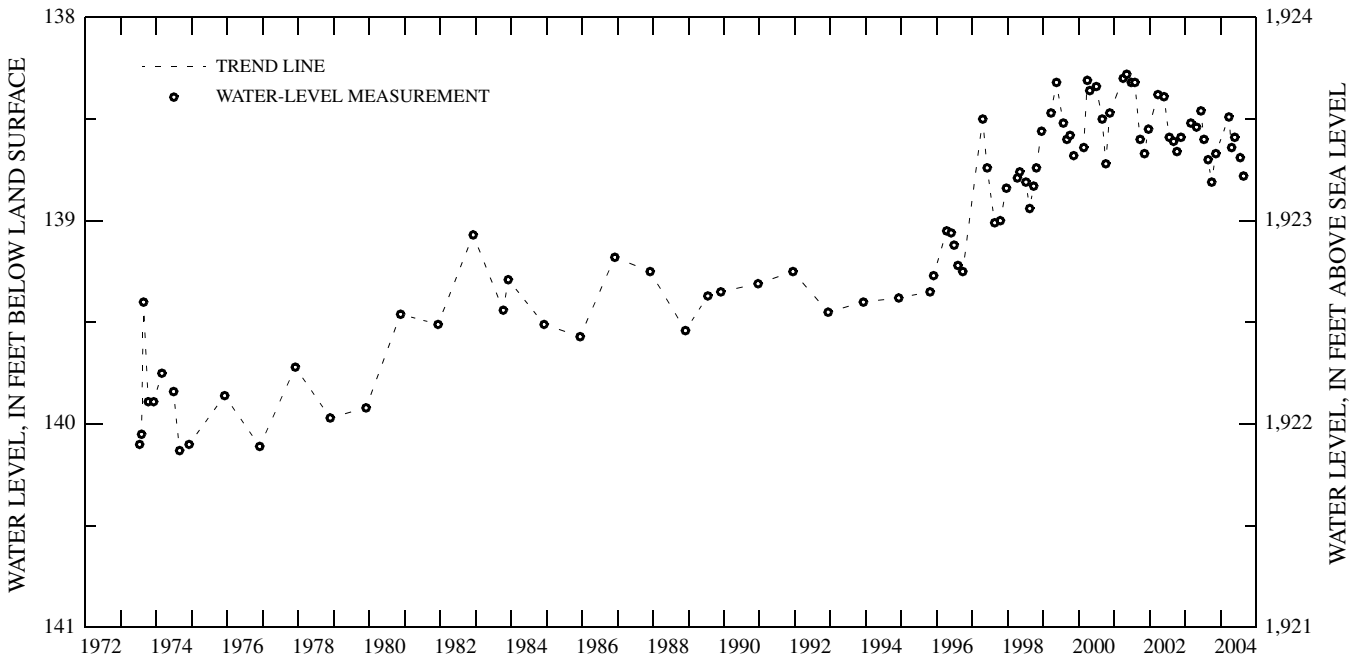
PERIOD OF RECORD.--July 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 138.28 ft below land-surface datum, May 9, 2001; lowest water level, 140.13 ft below land-surface datum, August 27, 1974.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	138.81	MAR 26	138.49	APR 23	138.64	MAY 25	138.59	JUL 21	138.69	AUG 24	138.78
NOV 13	138.67										
WATER YEAR 2004		HIGHEST	138.49	MAR 26, 2004		LOWEST	138.81	OCT 01, 2003			

130-086-28CCC1



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 SIOUX COUNTY--Continued

460244101272702. Local number, 130-086-28CCC2.

LOCATION.--Lat 46°02'44", long 101°27'27", Hydrologic Unit 10130205. Owner: North Dakota State Water Commission.

AQUIFER.--Hell Creek.

WELL CHARACTERISTICS.--Drilled observation well, depth 210 ft, cased with 204 ft of 1.25-in diameter plastic pipe, No. 12 slot screen set 204 to 210 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

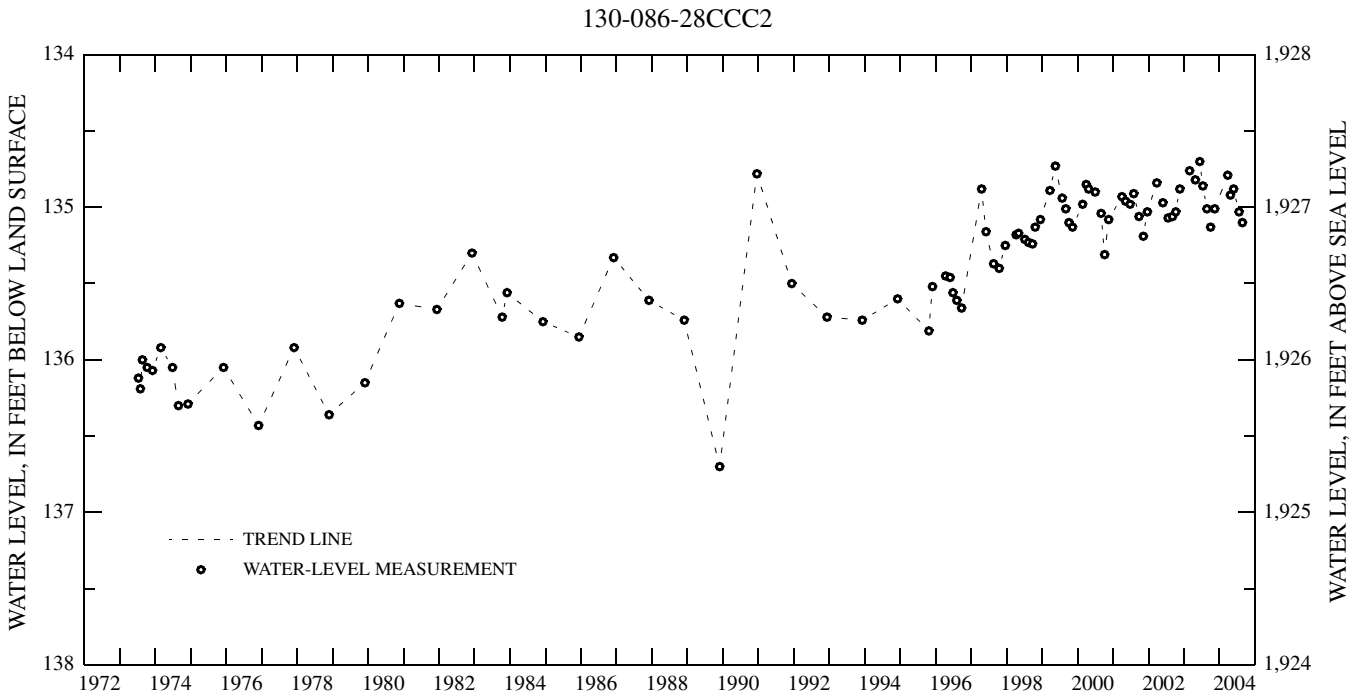
DATUM.--Altitude of land-surface datum is 2,062 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

PERIOD OF RECORD.--July 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 134.70 ft below land-surface datum, June 12, 2003; lowest water level, 136.70 ft below land-surface datum, November 29, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	135.13	MAR 26	134.79	APR 23	134.92	MAY 25	134.88	JUL 21	135.03	AUG 24	135.10
NOV 13	135.01										
WATER YEAR 2004		HIGHEST	134.79	MAR 26, 2004		LOWEST	135.13	OCT 01, 2003			



NETWORK SITES--Continued

SIOUX COUNTY--Continued

462239100375601. Local number, 134-079-32ADD.

LOCATION.--Lat 46°22'39", long 100°37'56", Hydrologic Unit 10130102. Owner: North Dakota State Water Commission.

AQUIFER.--Strasburg.

WELL CHARACTERISTICS.--Drilled observation well, depth 340 ft, cased with 282 ft of 1.25-in diameter plastic pipe, No. 12 slot screen set 282 to 288 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

DATUM.--Altitude of land-surface datum is 1,690 ft. Measuring point: Top of casing 1.50 ft above land-surface datum.

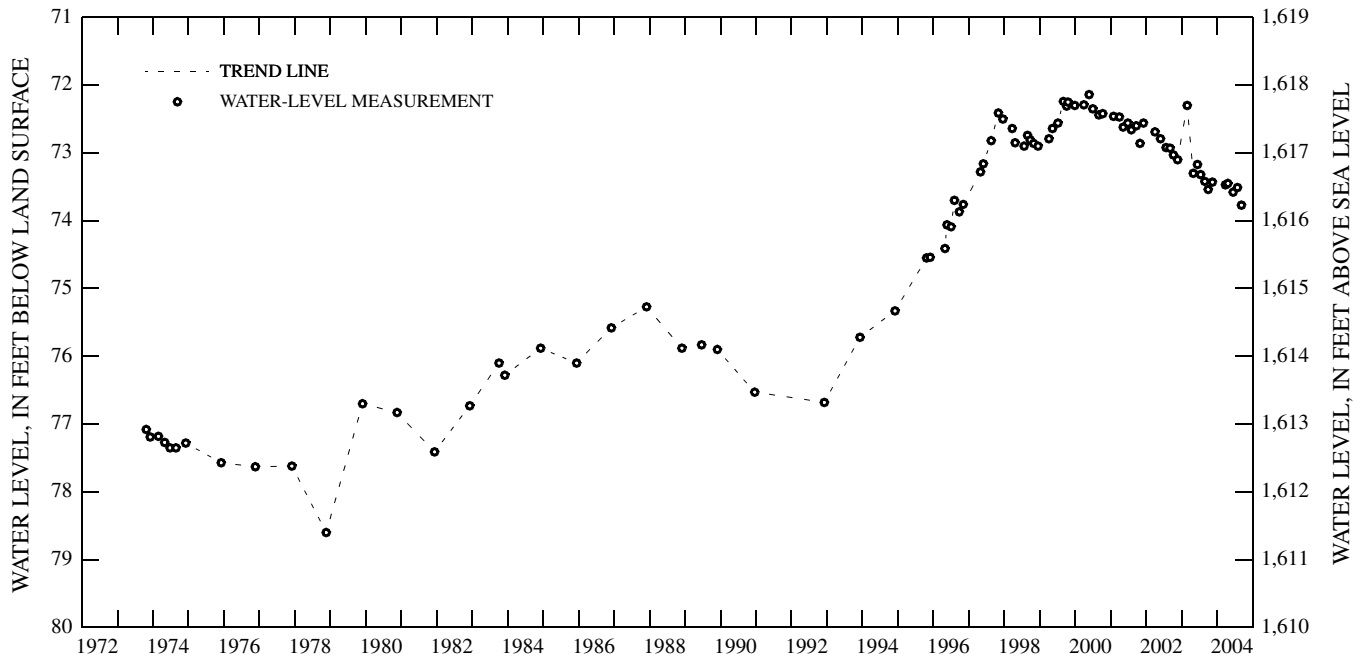
PERIOD OF RECORD.--October 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 72.14 ft below land-surface datum, May 23, 2000; lowest water level, 78.60 ft below land-surface datum, November 20, 1978.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	73.54	MAR 26	73.47	APR 21	73.45	JUN 14	73.58	JUL 28	73.51	SEP 07	73.77
NOV 13	73.43										
WATER YEAR 2004		HIGHEST	73.43	NOV 13, 2003		LOWEST	73.77	SEP 07, 2004			

134-079-32ADD



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 STARK COUNTY

465755102410701. Local number, 140-095-08AAA.

LOCATION.--Lat 46°57'55", long 102°41'07", Hydrologic Unit 10130201. Owner: North Dakota State Water Commission.

AQUIFER.--Sentinel Butte.

WELL CHARACTERISTICS.--Drilled observation well, depth 160 ft, cased with 80 ft of 4-in diameter plastic pipe.

INSTRUMENTATION.--Measured using a steel tape.

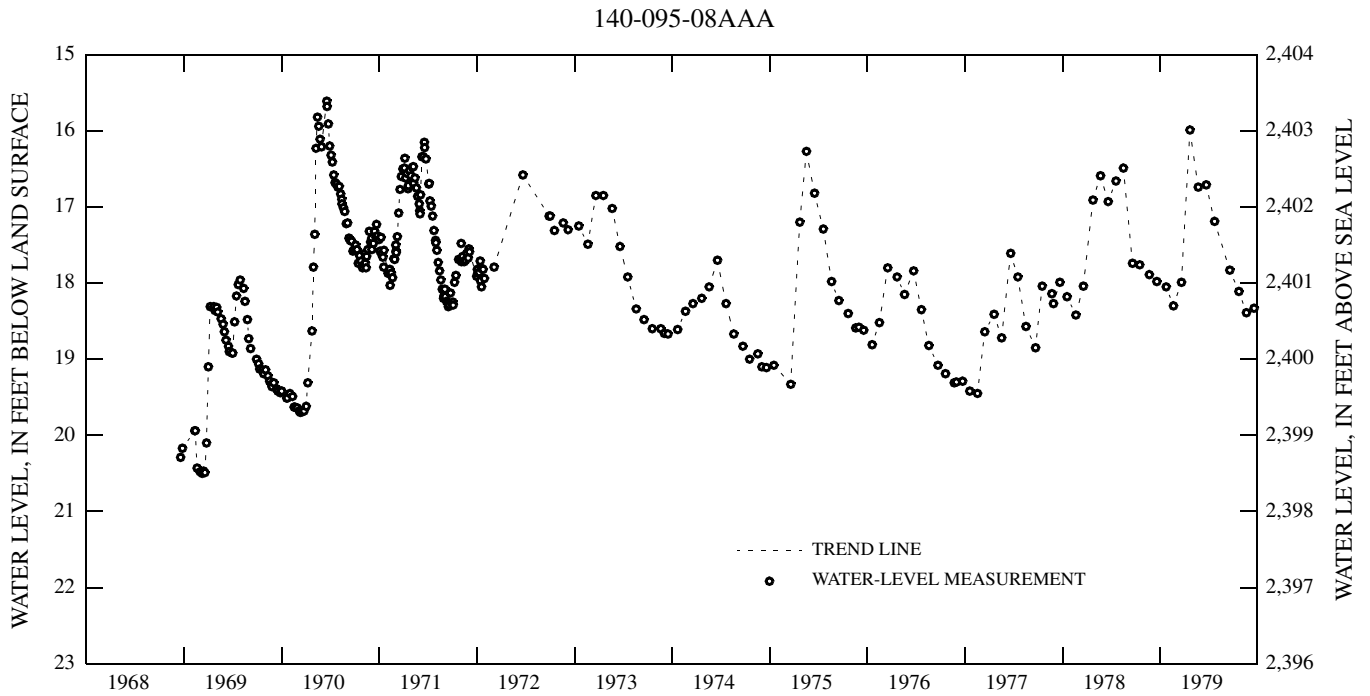
DATUM.--Altitude of land-surface datum is 2,419 ft. Measuring point: Top of casing 1.70 ft above land-surface datum.

PERIOD OF RECORD.--December 1968 to current year.

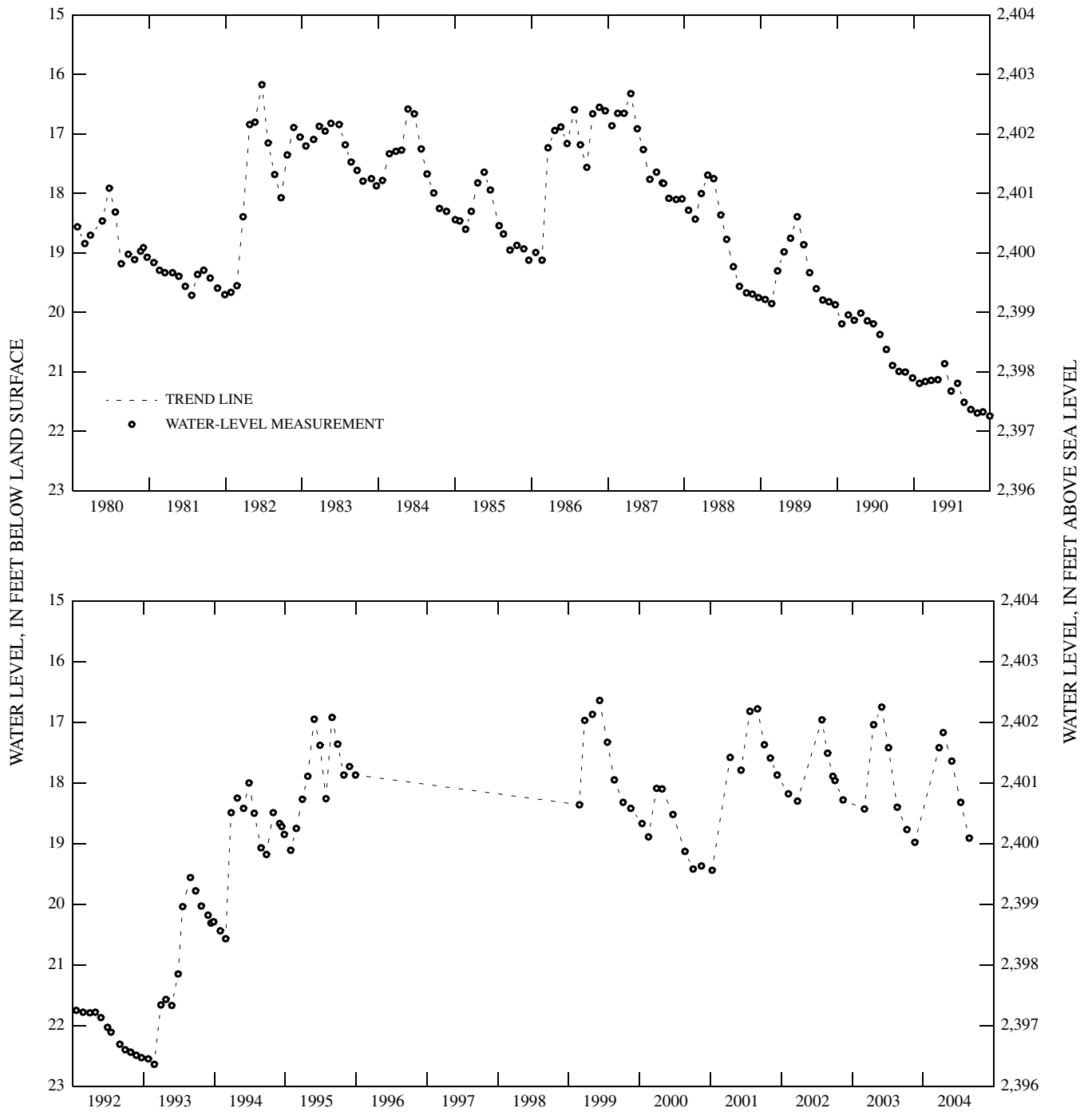
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 15.61 ft below land-surface datum, June 19, 1970; lowest water level, 22.64 ft below land-surface datum, February 25, 1993.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	18.77	MAR 24	17.42	APR 14	17.17	MAY 28	17.64	JUL 13	18.32	AUG 26	18.91
NOV 20	18.98										
WATER YEAR 2004		HIGHEST	17.17	APR 14, 2004		LOWEST	18.98	NOV 20, 2003			



140-095-08AAA--Continued



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 STEELE COUNTY

472024097315201. Local number, 145-054-27CDC.

LOCATION.--Lat 47°20'24", long 97°31'52", Hydrologic Unit 09020109. Owner: North Dakota State Water Commission.

AQUIFER.--Dakota.

WELL CHARACTERISTICS.--Drilled observation well, depth 820 ft, cased from 0 to 273 ft with 4-in diameter steel pipe and from 273 to 640 ft with 2 in diameter steel pipe, No. 12 slot screen set 640 to 660 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

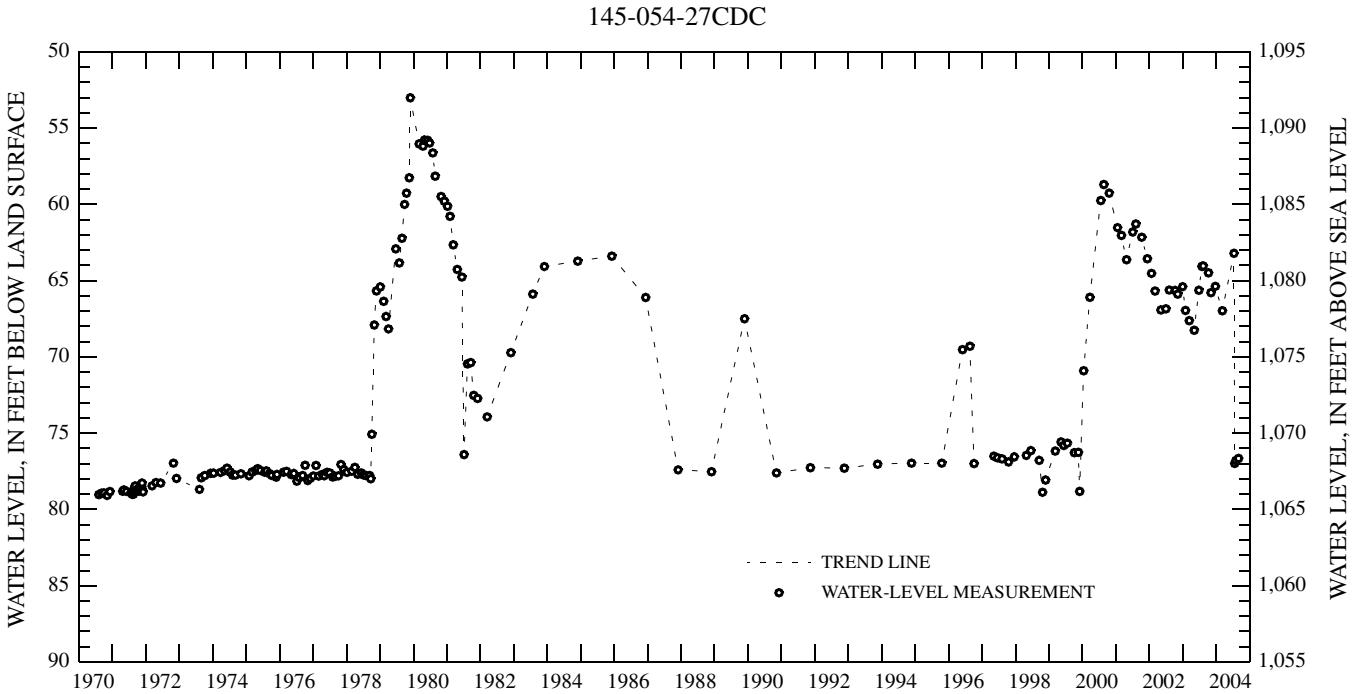
DATUM.--Altitude of land-surface datum is 1,145 ft. Measuring point: Top of casing 0.50 ft above land-surface datum.

PERIOD OF RECORD.--August 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 53.01 ft below land-surface datum, November 27, 1979; lowest water level, 79.08 ft below land-surface datum, November 4, 1970.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	64.48	DEC 22	65.37	JUL 13	63.20	JUL 21	76.98	AUG 04	76.79	AUG 31	76.65
NOV 05	65.78	MAR 08	66.97								
WATER YEAR 2004		HIGHEST	63.20	JUL 13, 2004		LOWEST	76.98	JUL 21, 2004			



NETWORK SITES--Continued

STUTSMAN COUNTY

463846098274101. Local number, 137-062-26DDD.

LOCATION.--Lat 46°38'46", long 98°27'41", Hydrologic Unit 10160003. Owner: North Dakota State Water Commission.

AQUIFER.--Spiritwood.

WELL CHARACTERISTICS.--Drilled observation well, depth 240 ft, cased with 157 ft of 1.25-in diameter plastic pipe, No. 12 slot screen set 157 to 163 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

DATUM.--Altitude of land-surface datum is 1,441.8 ft. Measuring point: Top of casing 1.92 ft above land-surface datum.

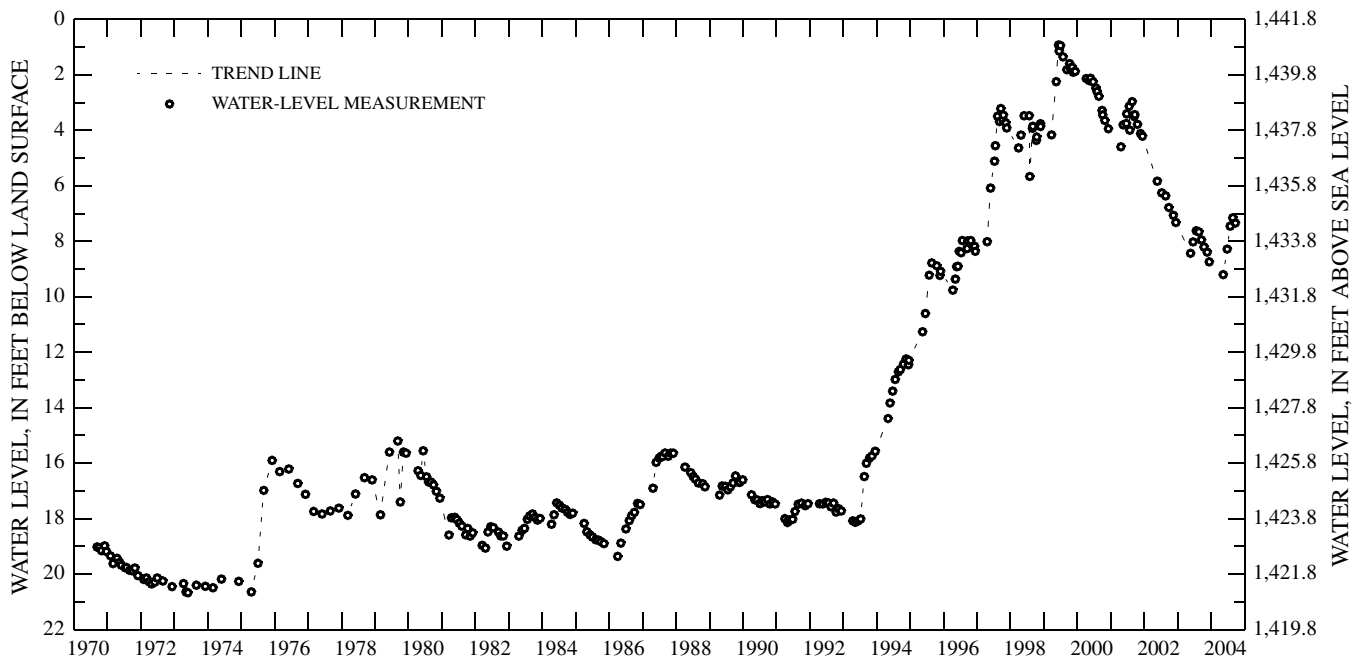
PERIOD OF RECORD.--September 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.92 ft below land-surface datum, June 8, 1999; lowest water level, 20.67 ft below land-surface datum, May 28, 1973.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	8.20	DEC 10	8.74	JUN 23	8.28	JUL 26	7.45	AUG 23	7.15	SEP 21	7.34
NOV 18	8.39	MAY 11	9.20								
WATER YEAR 2004		HIGHEST	7.15	AUG 23, 2004		LOWEST	9.20	MAY 11, 2004			

137-062-26DDD



GROUND-WATER LEVELS

NETWORK SITES--Continued

STUTSMAN COUNTY--Continued

465243098284801. Local number, 139-062-02CCC.

LOCATION.--Lat 46°52'43", long 98°28'48", Hydrologic Unit 10160003. Owner: North Dakota State Water Commission.

AQUIFER.--Spiritwood.

WELL CHARACTERISTICS.--Drilled observation well, depth 240 ft, cased with 210 ft of 4-in diameter steel pipe, slotted 195 to 210 ft below land-surface datum.

INSTRUMENTATION.--Water-level recorder May 1967 to current year. Only intermittent low and EOM water levels, obtained from strip-chart recorders, are available from the District office for May 1967 to August 1973. From August 1973 to current year, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,466.1 ft. Measuring point: Top of casing 1.00 ft above land-surface datum.

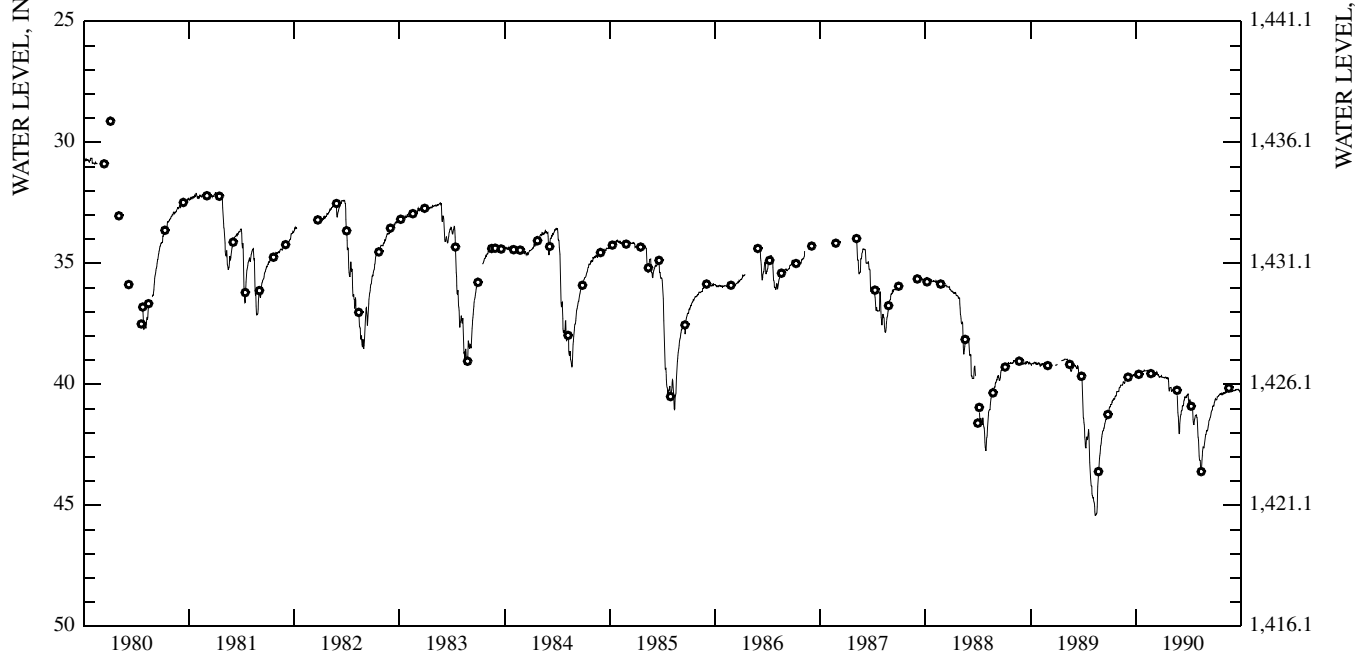
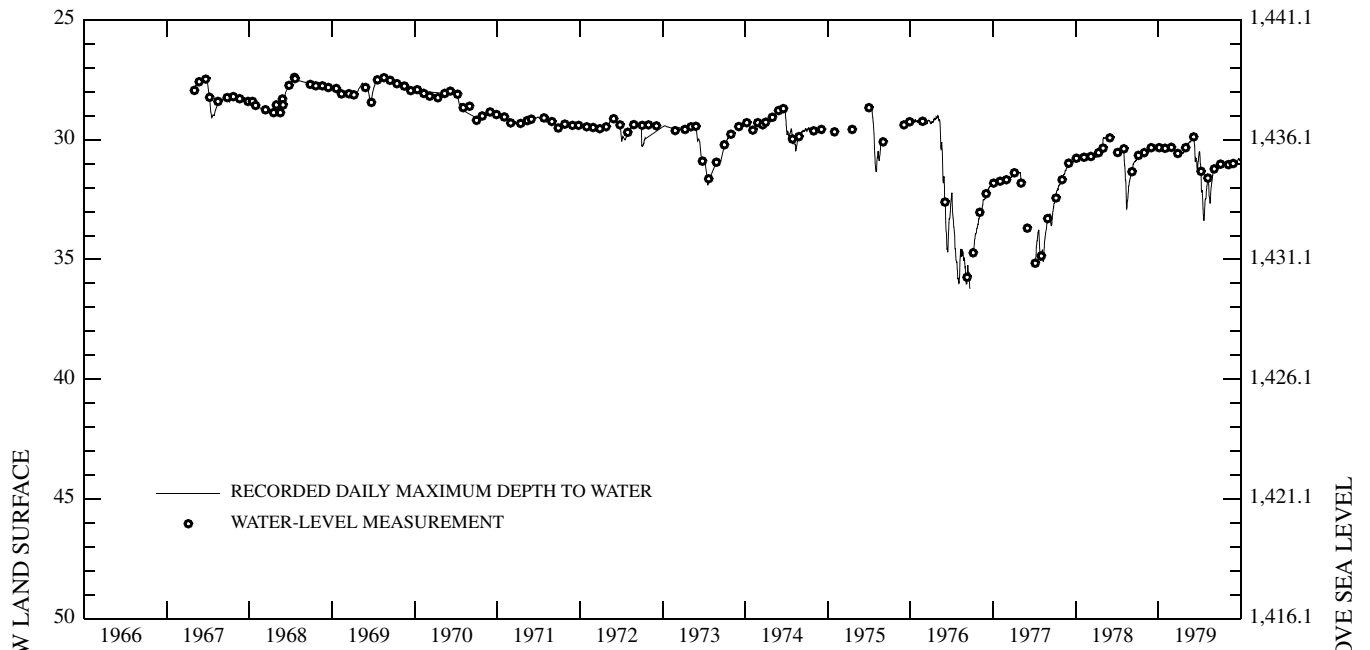
PERIOD OF RECORD.--May 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 27.40 ft below land-surface datum, July 19, 1968; lowest water level, 45.85 ft below land-surface datum, August 17, 1991.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

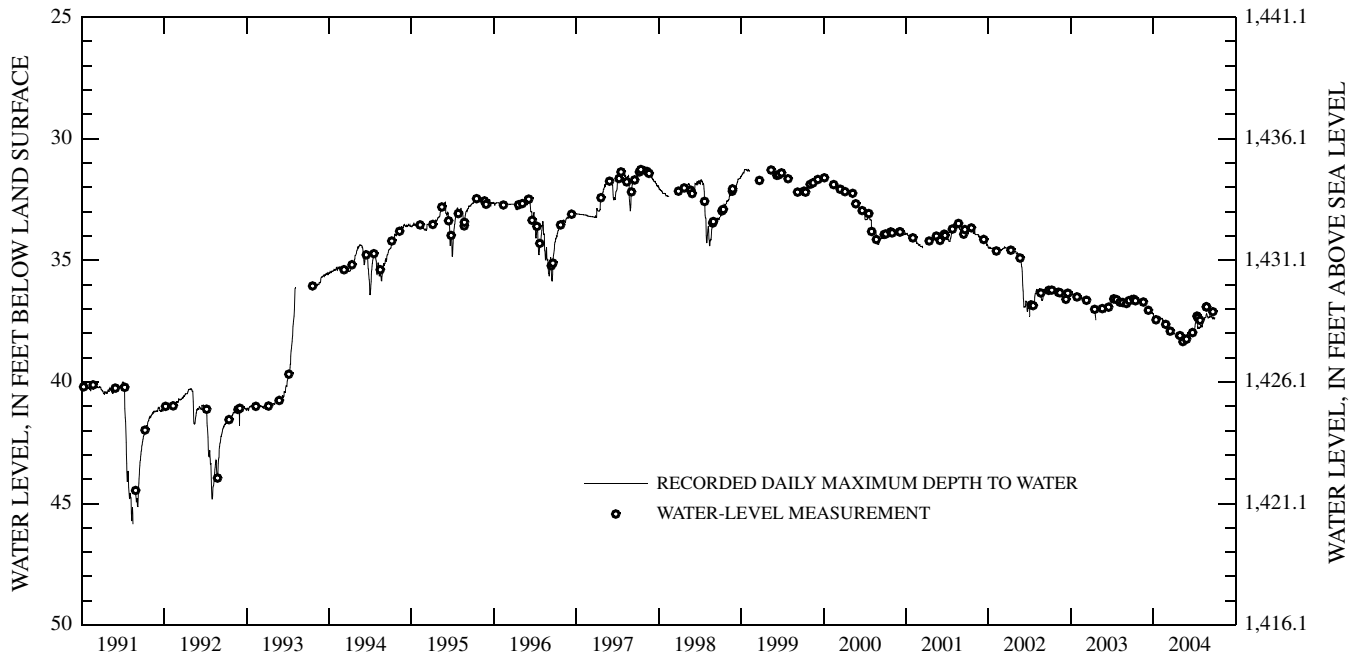
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36.58	---	---	37.21	37.35	37.69	37.99	38.21	37.95	37.96	37.67	37.37
2	36.58	---	---	37.19	37.36	37.74	37.99	38.21	37.99	37.89	37.74	37.35
3	36.51	---	---	37.29	37.37	37.75	38.00	38.21	38.03	37.80	37.74	37.34
4	36.55	---	---	37.32	37.38	37.75	38.00	38.21	38.05	37.71	37.74	37.35
5	36.58	---	---	37.34	37.38	37.75	38.00	38.21	38.08	37.63	37.74	37.34
6	36.60	---	---	37.33	37.40	37.75	38.00	38.29	38.09	37.60	37.70	37.31
7	---	---	---	37.32	37.41	37.82	38.06	38.33	38.11	37.54	37.57	37.32
8	---	---	---	37.37	37.41	37.82	38.08	38.34	38.21	37.52	37.50	37.32
9	---	---	---	37.41	37.39	37.83	38.13	38.34	38.22	37.47	37.46	37.29
10	---	---	---	37.41	37.40	37.83	38.16	38.43	38.25	37.45	37.46	37.32
11	---	---	---	37.39	37.43	37.81	38.17	38.43	38.14	37.41	37.44	37.32
12	---	---	---	37.40	37.46	37.81	38.17	38.33	37.96	37.32	37.41	37.32
13	---	---	---	37.42	37.45	37.81	38.17	38.28	37.95	37.29	37.40	37.30
14	---	---	---	37.41	37.48	37.82	38.16	38.28	38.02	37.27	37.40	37.29
15	---	---	---	37.39	37.48	37.84	38.14	38.28	38.05	37.31	37.39	37.30
16	---	---	---	37.35	37.48	37.84	38.14	38.28	38.04	37.80	37.37	37.30
17	---	---	37.04	37.40	37.49	37.85	38.17	38.28	38.07	37.80	37.37	37.34
18	---	---	37.07	37.41	37.49	37.88	38.17	38.28	38.08	37.76	37.35	37.35
19	---	---	37.08	37.42	37.49	37.88	38.15	38.28	38.06	37.78	37.35	37.38
20	---	---	37.08	37.41	37.49	37.88	38.15	38.29	38.05	37.78	37.35	37.40
21	---	---	37.08	37.37	37.51	37.88	38.07	38.31	37.98	37.76	37.35	37.40
22	---	---	37.12	37.38	37.53	37.89	38.09	38.28	37.98	37.78	37.26	37.41
23	---	---	37.15	37.37	37.57	37.93	38.13	38.28	37.97	37.79	37.24	37.37
24	---	---	37.16	37.36	37.59	37.95	38.15	38.28	37.97	37.79	37.20	37.34
25	---	---	37.16	37.36	37.63	37.96	38.13	38.28	37.97	37.78	37.21	37.34
26	---	---	37.17	37.32	37.63	37.97	38.15	38.28	37.96	37.76	37.23	37.35
27	---	---	37.17	37.35	37.64	38.00	38.15	38.28	37.94	37.76	37.30	37.39
28	---	---	37.13	37.34	37.68	37.99	38.11	38.40	37.87	37.70	37.30	37.41
29	---	---	37.16	37.34	37.69	37.99	38.15	38.40	37.90	37.69	37.30	37.40
30	---	---	37.18	37.33	---	37.99	38.17	38.33	37.96	37.67	37.32	37.34
31	---	---	37.21	37.33	---	37.99	---	38.08	---	37.68	37.37	---

139-062-02CCC



GROUND-WATER LEVELS
NETWORK SITES--Continued
STUTSMAN COUNTY--Continued

139-062-02CCC--Continued



GROUND-WATER LEVELS

155

NETWORK SITES--Continued

STUTSMAN COUNTY--Continued

465757098274401. Local number, 140-062-02DDD.

LOCATION.--Lat 46°57'57", long 98°27'44", Hydrologic Unit 10160003. Owner: Ottetail Power Company.

AQUIFER.--Spiritwood.

WELL CHARACTERISTICS.--Drilled observation well, depth 263 ft, cased with 207 ft of 12-in diameter steel pipe, No. 8 slot screen set 207 to 257 ft below land-surface datum.

INSTRUMENTATION.--Water-level recorder July 1984 to current year, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,480 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

PERIOD OF RECORD.--July 1984 to current year.

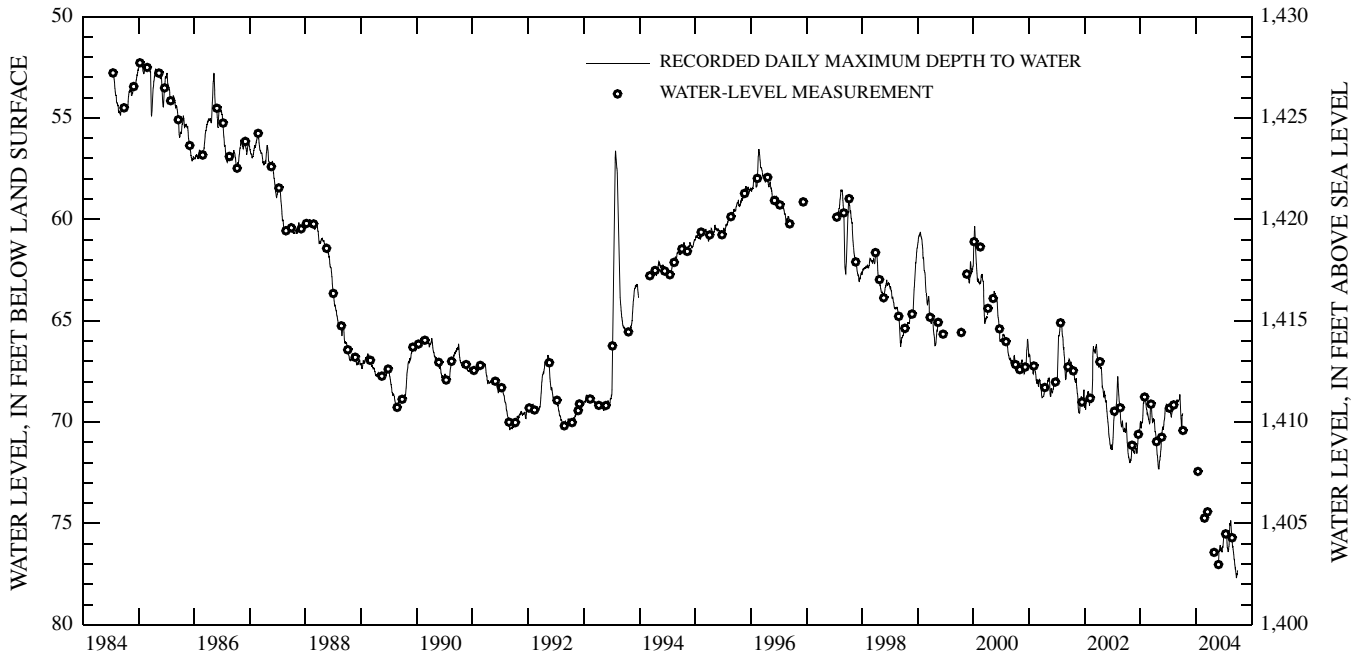
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 52.04 ft below land-surface datum, January 13 and 17, 1985; lowest water level, 77.02 ft below land-surface datum, May 27, 2004.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69.63	---	---	---	---	---	---	---	76.31	75.63	76.34	76.34
2	69.65	---	---	---	---	---	---	---	76.35	75.60	76.26	76.40
3	69.68	---	---	---	---	---	---	---	76.36	75.56	76.15	76.44
4	69.66	---	---	---	---	---	---	---	76.33	75.57	76.13	76.50
5	69.62	---	---	---	---	---	---	---	76.26	75.59	76.04	76.52
6	69.56	---	---	---	---	---	---	---	76.20	75.61	75.83	76.62
7	---	---	---	---	---	---	---	---	76.07	75.59	75.55	76.73
8	---	---	---	---	---	---	---	---	76.29	75.57	75.36	76.79
9	---	---	---	---	---	---	---	---	76.34	75.54	75.11	76.79
10	---	---	---	---	---	---	---	---	76.36	75.54	74.97	76.89
11	---	---	---	---	---	---	---	---	76.26	75.43	75.00	76.99
12	---	---	---	---	---	---	---	---	76.23	75.39	75.08	77.05
13	---	---	---	---	---	---	---	---	76.24	75.47	75.10	77.13
14	---	---	---	---	---	---	---	---	76.22	75.53	75.03	77.20
15	---	---	---	---	---	---	---	---	76.20	75.57	74.95	77.18
16	---	---	---	---	---	---	---	---	76.22	75.64	74.85	77.22
17	---	---	---	---	---	---	---	---	76.28	75.65	74.93	77.32
18	---	---	---	---	---	---	---	---	76.37	75.64	75.08	77.40
19	---	---	---	---	---	---	---	---	76.40	75.60	75.22	77.47
20	---	---	---	---	---	---	---	---	76.40	75.59	75.37	77.53
21	---	---	---	---	---	---	---	---	76.30	75.74	75.42	77.65
22	---	---	---	---	---	---	---	---	76.17	75.96	75.48	77.69
23	---	---	---	---	---	---	---	---	76.16	76.09	75.55	77.62
24	---	---	---	---	---	---	---	---	76.20	76.18	75.71	77.54
25	---	---	---	---	---	---	---	---	76.18	76.20	75.80	77.50
26	---	---	---	---	---	---	---	---	76.10	76.21	75.99	77.44
27	---	---	---	---	---	---	---	---	76.00	76.25	76.13	77.52
28	---	---	---	---	---	---	---	76.98	75.88	76.31	76.15	77.52
29	---	---	---	---	---	---	---	76.78	75.76	76.34	76.13	77.43
30	---	---	---	---	---	---	---	76.59	75.65	76.40	76.16	77.31
31	---	---	---	---	---	---	---	76.31	---	76.37	76.27	---

GROUND-WATER LEVELS
NETWORK SITES--Continued
STUTSMAN COUNTY--Continued

140-062-02DDD



GROUND-WATER LEVELS

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NETWORK SITES--Continued

TOWNER COUNTY

482908099134601. Local number, 158-066-30BBB.

LOCATION.--Lat 48°29'08", long 99°13'46", Hydrologic Unit 09020201. Owner: North Dakota State Water Commission.

AQUIFER.--Spiritwood.

WELL CHARACTERISTICS.--Drilled observation well, depth 322 ft, cased with 208 ft of 5-in diameter steel pipe, No. 40 slot screen set 208 to 213 ft below land-surface datum.

INSTRUMENTATION.--Water-level recorder April 1980 to November 1996 and October 1998 to current year, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,481 ft. Measuring point: Top of casing 1.40 ft above land-surface datum.

PERIOD OF RECORD.--June 1980 to current year.

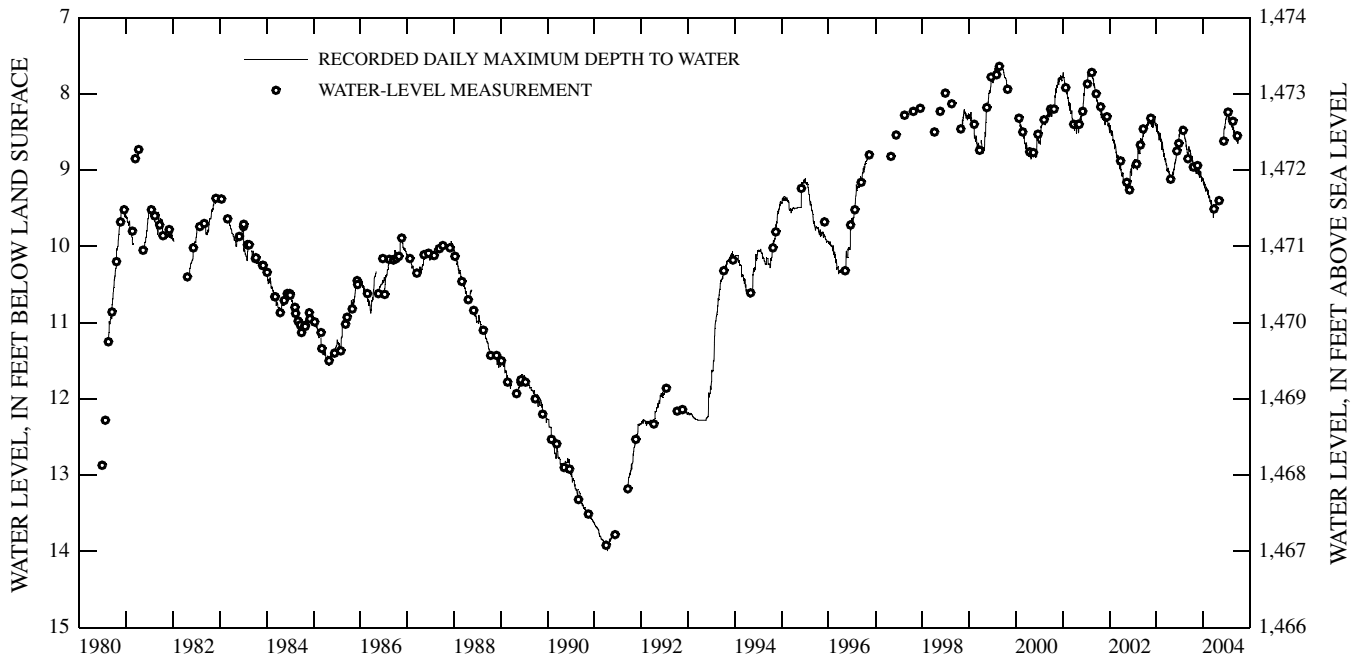
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.60 ft below land-surface datum, August 15-16, 1999; lowest water level, 13.99 ft below land-surface datum, April 11-13, 1991.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.88	9.00	9.08	9.14	9.25	9.40	9.46	9.45	---	8.31	8.36	8.53
2	8.86	9.02	9.08	9.11	9.27	9.45	9.46	9.45	---	8.30	8.36	8.48
3	8.82	9.02	9.06	9.17	9.27	9.45	9.46	9.45	---	8.27	8.38	8.50
4	8.82	8.99	9.09	9.18	9.27	9.43	9.46	---	---	8.27	8.40	8.51
5	8.83	8.97	9.10	9.18	9.30	9.40	9.46	---	---	8.27	8.41	8.50
6	8.83	9.00	9.08	9.15	9.31	9.40	9.46	---	---	8.27	8.40	8.56
7	8.82	9.05	9.01	9.17	9.31	9.46	9.46	---	---	8.27	8.37	8.59
8	8.82	9.05	9.08	9.20	9.26	9.49	9.45	---	---	8.26	8.37	8.59
9	8.83	9.01	9.09	9.20	9.30	9.50	9.45	---	---	8.26	8.42	8.56
10	8.86	8.97	9.09	9.20	9.30	9.48	9.45	---	8.60	8.26	8.42	8.58
11	8.88	8.93	9.08	9.16	9.36	9.52	9.45	---	8.52	8.26	8.42	8.61
12	8.88	9.00	9.07	9.22	9.36	9.50	9.45	---	8.46	8.26	8.44	8.58
13	8.89	9.00	9.05	9.22	9.34	9.46	9.45	---	8.46	---	8.44	8.53
14	8.90	8.96	9.02	9.20	9.36	9.52	9.45	---	8.46	8.35	8.44	8.56
15	8.91	8.96	9.08	9.18	9.36	9.53	9.45	---	8.45	8.30	8.44	8.56
16	8.94	8.96	9.09	9.19	9.37	9.50	9.45	---	8.44	8.31	8.43	8.56
17	8.94	8.93	9.09	9.24	9.37	9.47	9.45	---	8.43	8.30	8.43	8.57
18	8.93	8.93	9.14	9.25	9.34	9.51	9.45	---	8.45	8.29	8.44	8.58
19	8.92	8.96	9.14	9.25	9.34	9.50	9.45	---	8.45	8.28	8.45	8.56
20	8.94	9.01	9.10	9.24	9.35	9.62	9.45	---	8.39	8.27	8.47	8.58
21	8.94	9.05	9.10	9.28	9.35	9.62	9.45	---	8.34	8.28	8.46	8.62
22	8.96	9.05	9.14	9.28	9.39	9.58	9.45	---	8.34	8.33	8.47	8.63
23	8.96	9.05	9.14	9.27	9.40	9.54	9.45	---	8.34	8.35	8.47	8.60
24	8.94	9.02	9.13	9.27	9.42	9.51	9.45	---	8.34	8.36	8.43	8.59
25	9.01	8.93	9.11	9.25	9.41	9.52	9.45	---	8.34	8.36	8.44	8.60
26	9.01	8.97	9.11	9.22	9.39	9.48	9.45	---	8.34	8.34	8.45	8.60
27	8.97	9.05	9.10	9.24	9.39	9.46	9.45	---	8.33	8.32	8.51	8.65
28	8.90	9.06	9.11	9.26	9.40	9.46	9.45	---	8.33	8.32	8.52	8.65
29	8.93	8.96	9.12	9.27	9.40	9.46	9.45	---	8.31	8.34	8.49	8.61
30	8.97	9.03	9.12	9.26	---	9.46	9.45	---	8.31	8.34	8.52	8.58
31	9.00	---	9.14	9.24	---	9.46	---	---	---	8.34	8.53	---

GROUND-WATER LEVELS
NETWORK SITES--Continued
TOWNER COUNTY--Continued

158-066-30BBB



NETWORK SITES--Continued

TOWNER COUNTY--Continued

484209099174101. Local number, 160-067-10BBB1.

LOCATION.--Lat 48°42'09", long 99°17'41", Hydrologic Unit 09020201. Owner: North Dakota State Water Commission.

AQUIFER.--Spiritwood.

WELL CHARACTERISTICS.--Drilled observation well, depth 402 ft, cased with 356 ft of 2-in diameter steel pipe, No. 12 slot screen set 356 to 362 ft below land-surface datum.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,570 ft. Measuring point: Top of casing 4.00 ft above land-surface datum.

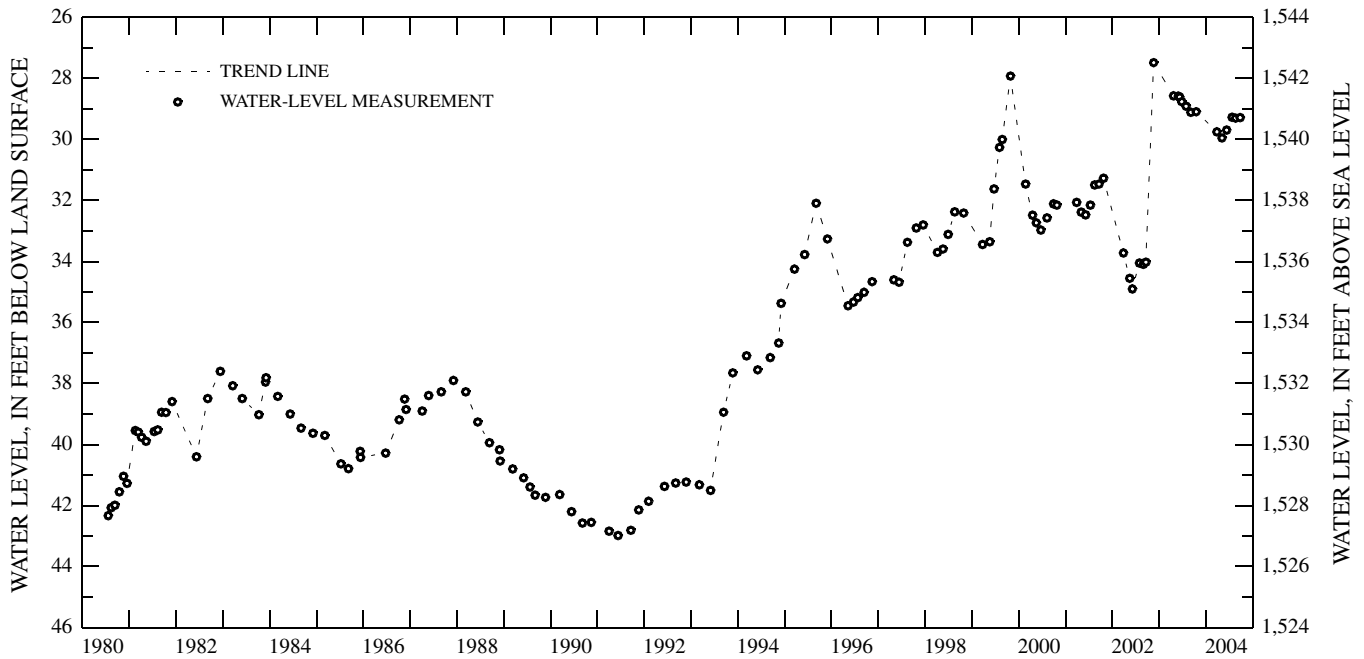
PERIOD OF RECORD.--July 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 27.48 ft below land-surface datum, November 18, 2002; lowest water level, 42.98 ft below land-surface datum, June 11, 1991.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	29.09	MAY 04	29.95	JUN 09	29.69	JUL 22	29.27	AUG 19	29.30	SEP 23	29.28
MAR 25	29.75										
WATER YEAR 2004		HIGHEST	29.09	OCT 16, 2003		LOWEST	29.95	MAY 04, 2004			

160-067-10BBB1



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 TOWNER COUNTY--Continued

484209099174102. Local number, 160-067-10BBB2.

LOCATION.--Lat 48°42'09", long 99°17'41", Hydrologic Unit 09020201. Owner: North Dakota State Water Commission.

AQUIFER.--Spiritwood.

WELL CHARACTERISTICS.--Drilled observation well, depth 62 ft, cased with 57 ft of 1.25-in diameter plastic pipe, No. 18 slot screen set 57 to 60 ft below land-surface datum.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,570 ft. Measuring point: Top of casing 1.00 ft above land-surface datum.

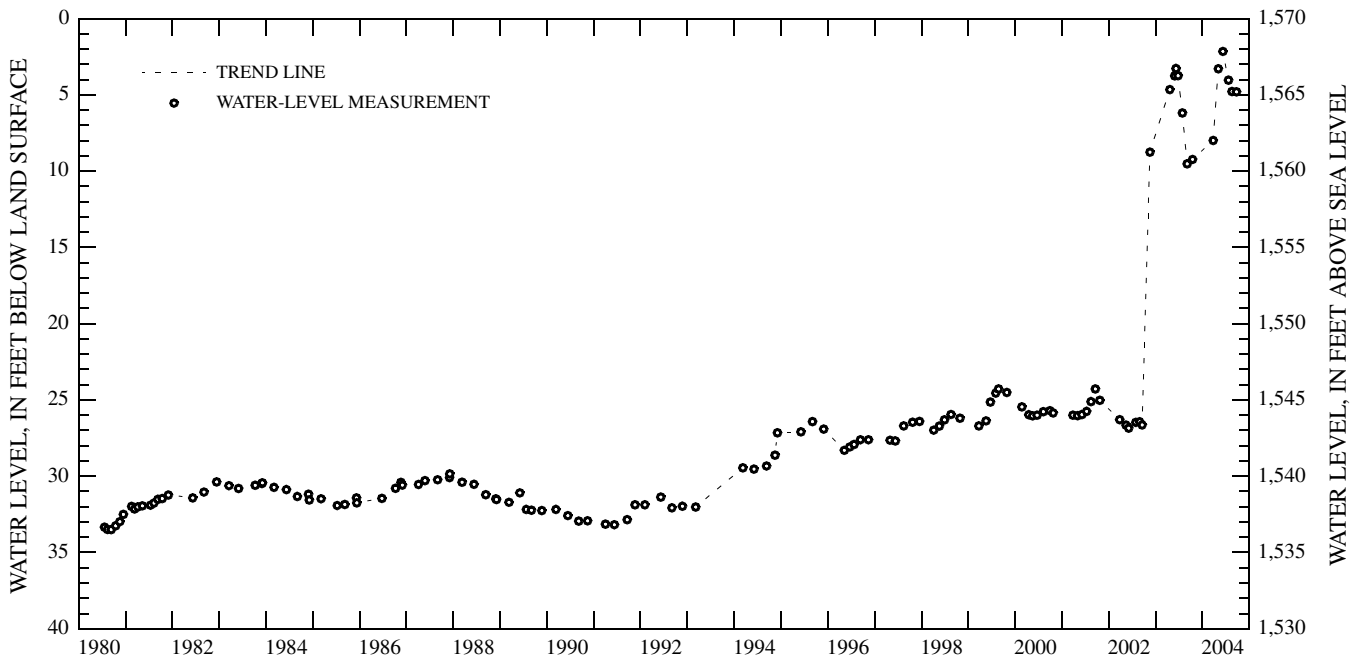
PERIOD OF RECORD.--July 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.15 ft below land-surface datum, June 9, 2004; lowest water level, 33.50 ft below land-surface datum, September 11, 1980.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	9.23	MAY 04	3.29	JUN 09	2.15	JUL 22	4.03	AUG 19	4.78	SEP 23	4.80
MAR 25	7.99										
WATER YEAR 2004		HIGHEST	2.15	JUN 09, 2004		LOWEST	9.23	OCT 16, 2003			

160-067-10BBB2



NETWORK SITES--Continued

TOWNER COUNTY--Continued

485659099222801. Local number, 163-067-18AAA1.

LOCATION.--Lat 48°56'59", long 99°22'28", Hydrologic Unit 09020313. Owner: North Dakota State Water Commission.

AQUIFER.--Spiritwood.

WELL CHARACTERISTICS.--Drilled observation well, depth 282 ft, cased with 252 ft of 2-in diameter steel pipe, No. 18 slot screen set 252 to 258 ft below land-surface datum.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,582 ft. Measuring point: Top of casing 3.30 ft above land-surface datum.

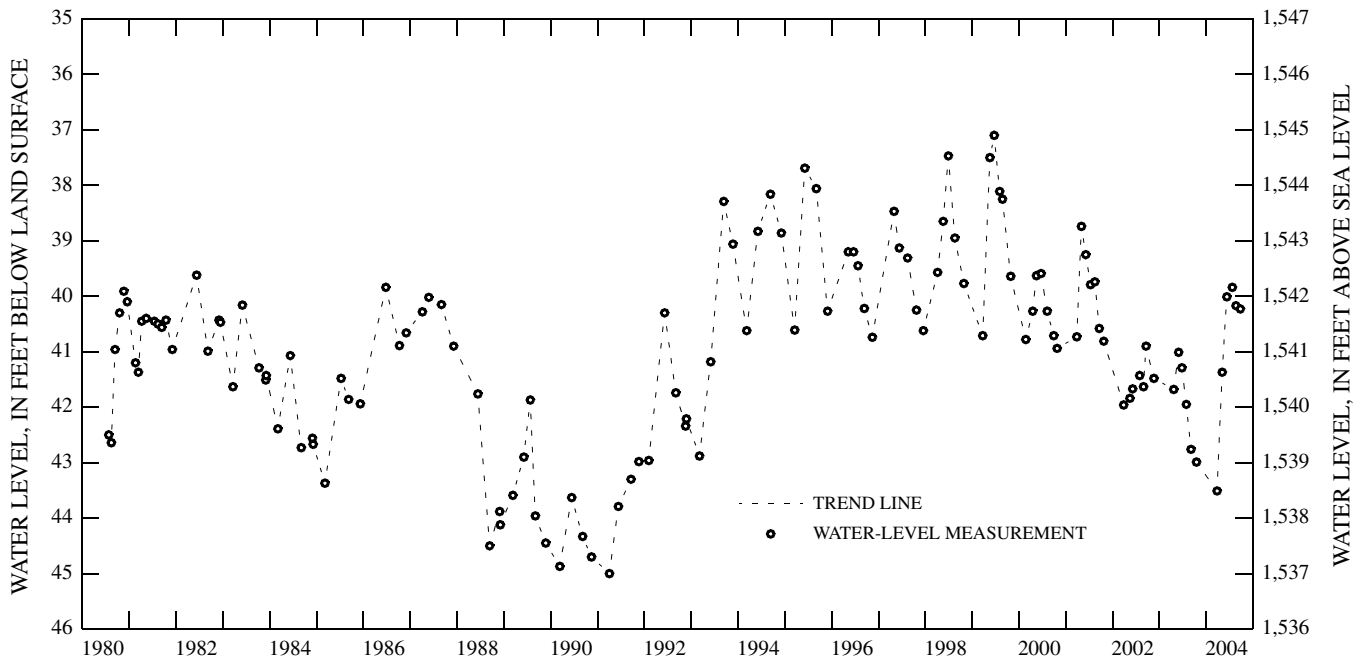
PERIOD OF RECORD.--July 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 37.10 ft below land-surface datum, June 22, 1999; lowest water level, 45.00 ft below land-surface datum, April 3, 1991.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	42.99	MAY 04	41.37	JUN 09	40.01	JUL 22	39.84	AUG 19	40.17	SEP 23	40.23
MAR 25	43.51										
WATER YEAR 2004		HIGHEST	39.84	JUL 22, 2004		LOWEST	43.51	MAR 25, 2004			

163-067-18AAA1



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 TOWNER COUNTY--Continued

485659099222802. Local number, 163-067-18AAA2.

LOCATION.--Lat 48°56'59", long 99°22'28", Hydrologic Unit 09020313. Owner: North Dakota State Water Commission.

AQUIFER.--Spiritwood.

WELL CHARACTERISTICS.--Drilled observation well, depth 142 ft, cased with 118 ft of 1.25-in diameter plastic pipe, No. 18 slot screen set 118 to 121 ft below land-surface datum.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,582 ft. Measuring point: Top of casing 2.80 ft above land-surface datum.

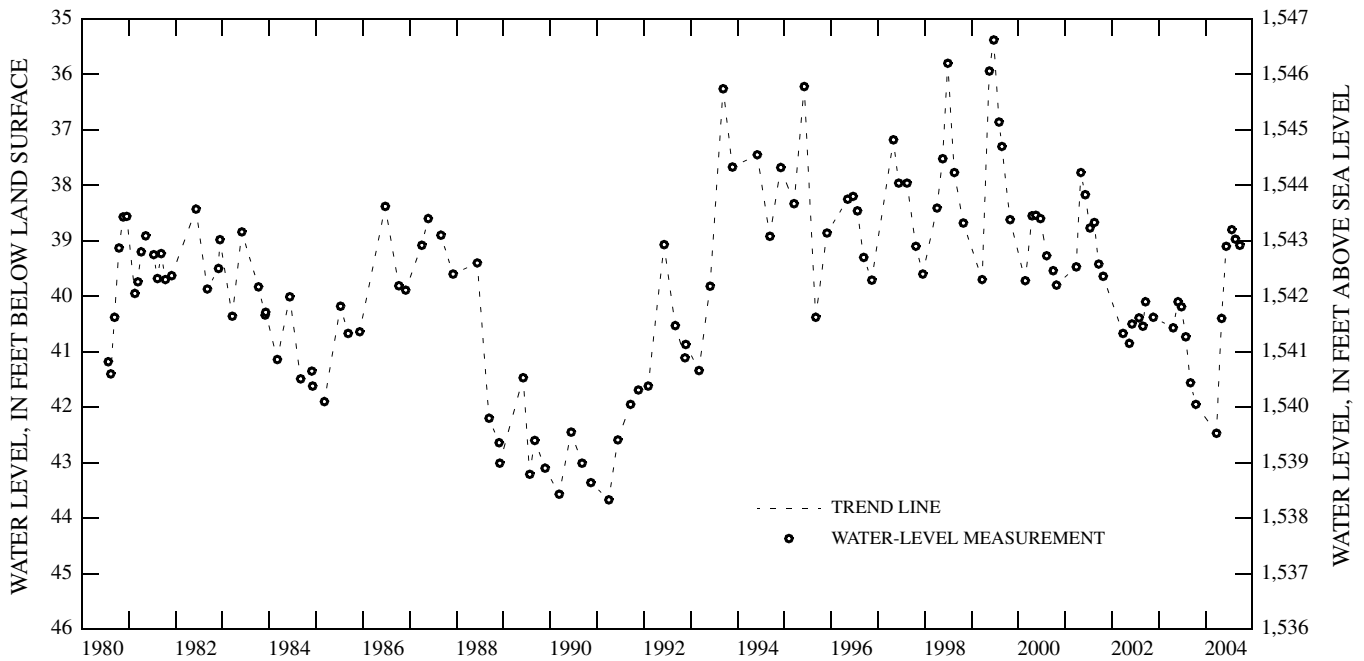
PERIOD OF RECORD.--July 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 35.38 ft below land-surface datum, June 22, 1999; lowest water level, 43.67 ft below land-surface datum, April 3, 1991.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	41.95	MAY 04	40.40	JUN 09	39.10	JUL 22	38.80	AUG 19	38.97	SEP 23	39.08
MAR 25	42.47										
WATER YEAR 2004		HIGHEST	38.80	JUL 22, 2004		LOWEST	42.47	MAR 25, 2004			

163-067-18AAA2



NETWORK SITES--Continued

WALSH COUNTY

481234097234604. Local number, 155-053-25CDD4.

LOCATION.--Lat 48°12'35", long 97°23'44", Hydrologic Unit 09020308. Owner: U.S. Geological Survey.

AQUIFER.--Lacustrine Deposits.

WELL CHARACTERISTICS.--Drilled observation well, depth 85 ft, cased with 80 ft of 2-in diameter plastic pipe, screen set 80 to 85 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

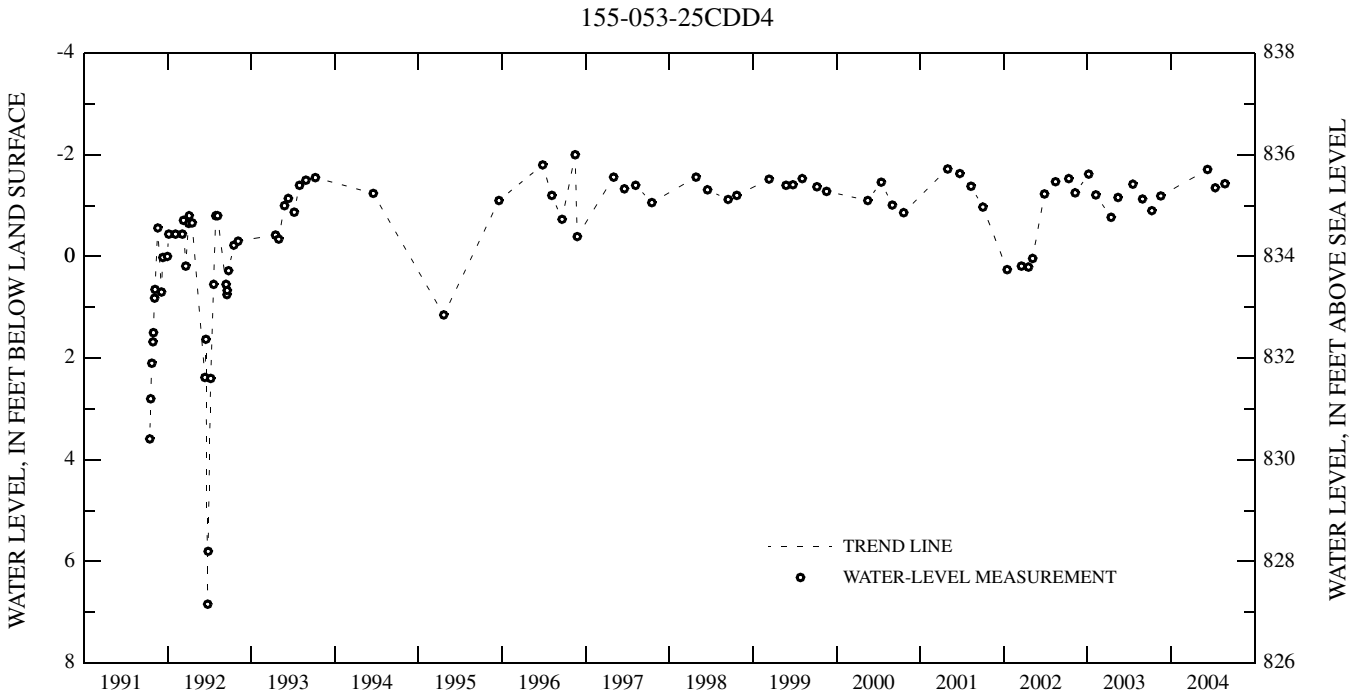
DATUM.--Altitude of land-surface datum is 834 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

PERIOD OF RECORD.--October 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, -2.00 ft below land-surface datum, Nov. 15, 1996; lowest water level, 6.84 ft below land-surface datum, June 24, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
(READINGS ABOVE LAND SURFACE INDICATED BY "-")

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	-0.90	NOV 17	-1.19	JUN 08	-1.71	JUL 12	-1.35	AUG 23	-1.43
WATER YEAR 2004		HIGHEST	-1.71	JUN 08, 2004		LOWEST	-0.90	OCT 09, 2003	



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 WALSH COUNTY--Continued

481234097234605. Local number, 155-053-25CDD5.

LOCATION.--Lat 48°12'35", long 97°23'44", Hydrologic Unit 09020308. Owner: U.S. Geological Survey.

AQUIFER.--Lacustrine Deposits.

WELL CHARACTERISTICS.--Drilled observation well, depth 25 ft, cased with 20 ft of 2-in diameter plastic pipe, screen set 20 to 25 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

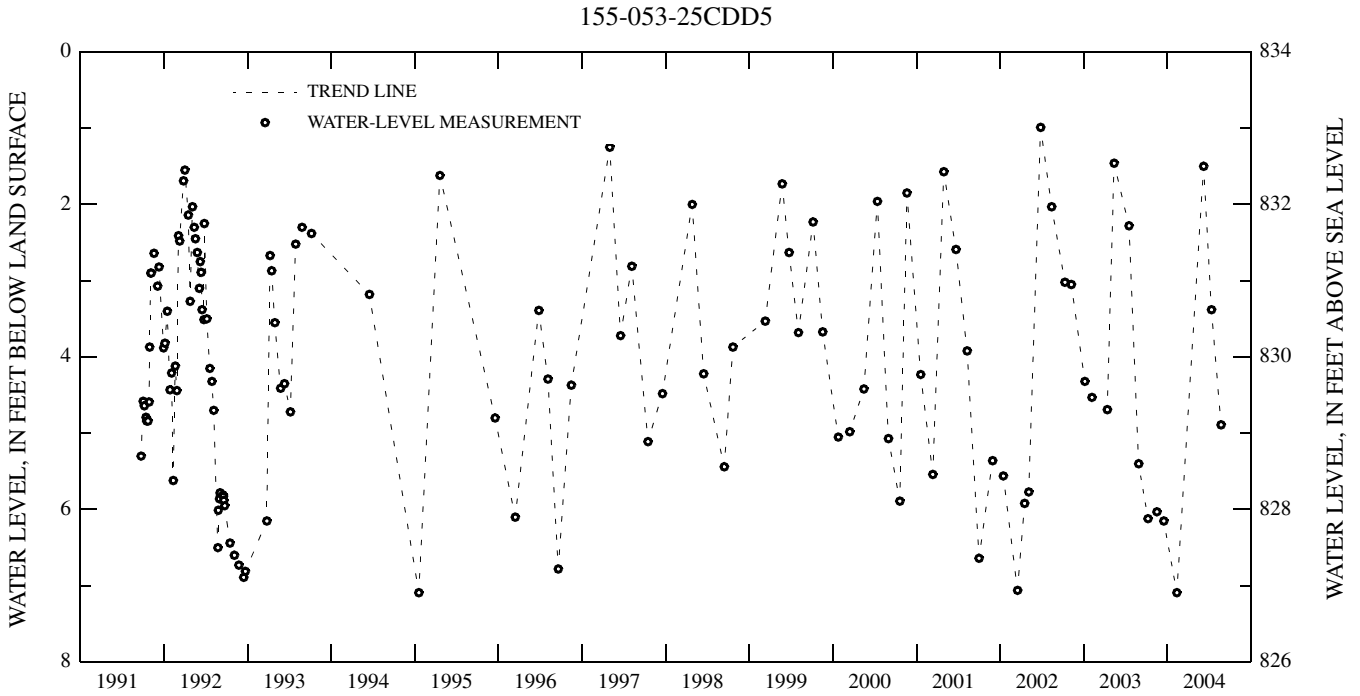
DATUM.--Altitude of land-surface datum is 834 ft. Measuring point: Top of casing 2.25 ft above land-surface datum.

PERIOD OF RECORD.--September 1991 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.99 ft below land-surface datum, June 27, 2002; lowest water level, 7.09 ft below land-surface datum, January 19, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	6.12	DEC 17	6.15	FEB 12	7.09	JUN 08	1.50	JUL 12	3.38	AUG 23	4.89
NOV 17	6.03										
WATER YEAR 2004		HIGHEST	1.50	JUN 08, 2004		LOWEST	7.09	FEB 12, 2004			



GROUND-WATER LEVELS

165

NETWORK SITES--Continued

WALSH COUNTY--Continued

481841097490301. Local number, 156-056-22DDD.

LOCATION.--Lat 48°18'41", long 97°49'03", Hydrologic Unit 09020308. Owner: North Dakota State Water Commission.

AQUIFER.--Fordville.

WELL CHARACTERISTICS.--Drilled observation well, depth 280 ft, cased with 52 ft of 4-in diameter plastic pipe, screen set 52 to 57 ft below land-surface datum.

INSTRUMENTATION.--Water-level recorder August 1968 to current year. Only intermittent low and EOM water levels, obtained from strip-chart recorders, are available from the District office for August 1968 to September 1970. From October 1970 to current year, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,170 ft. Measuring point: Top of casing 1.90 ft above land-surface datum.

PERIOD OF RECORD.--August 1968 to current year.

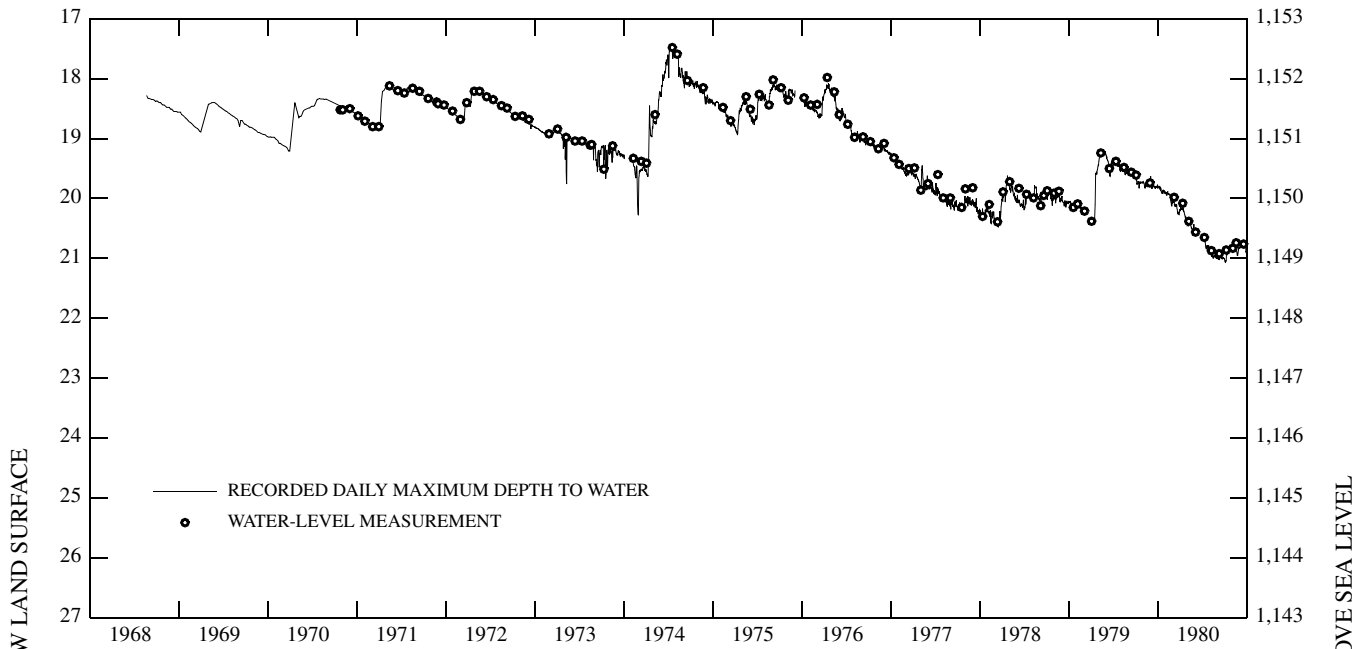
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 17.35 ft below land-surface datum, July 22, 1974; lowest water level, 24.21 ft below land-surface datum, June 7, 1993.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

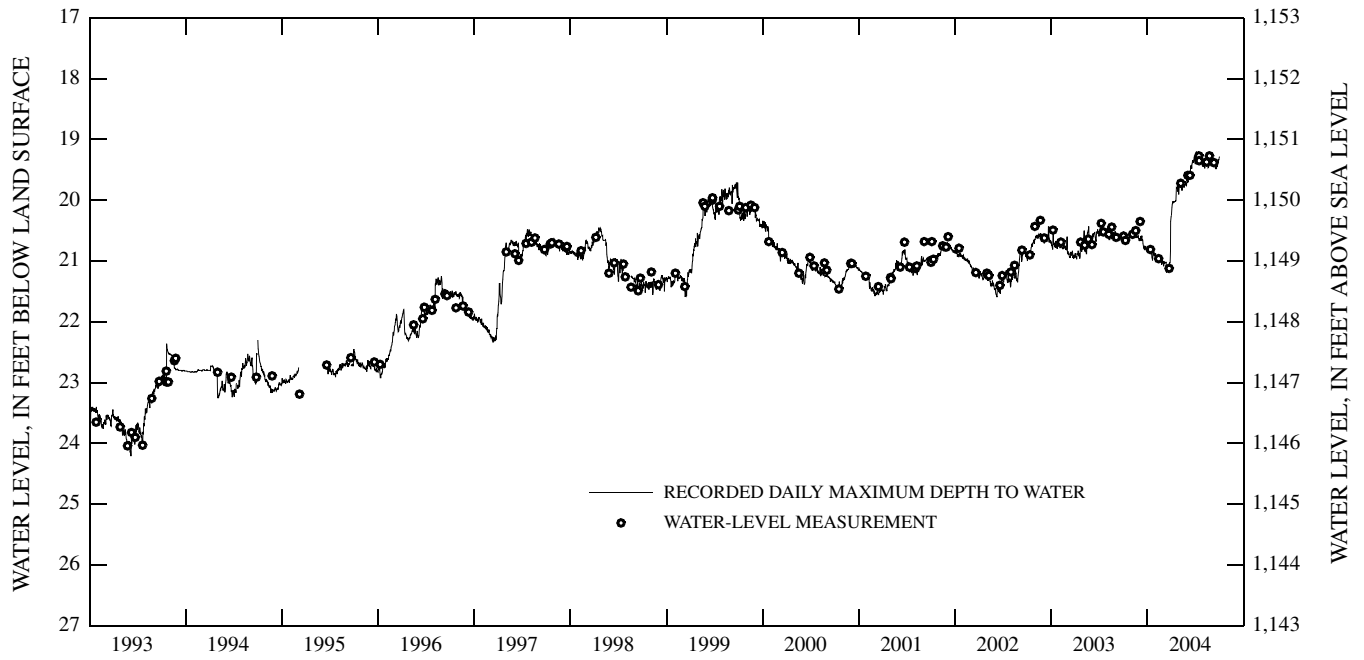
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.68	20.56	20.67	20.76	20.87	21.04	20.25	19.75	19.66	19.40	19.39	19.34
2	20.68	20.55	20.63	20.77	20.96	21.08	20.17	19.75	19.71	19.40	19.41	19.32
3	20.67	20.56	20.67	20.78	20.94	21.08	20.12	19.75	19.69	19.27	19.44	19.33
4	20.68	20.52	20.66	20.78	20.95	21.02	20.07	19.75	19.69	19.21	19.45	19.33
5	20.69	20.57	20.64	20.83	20.95	21.03	20.04	19.79	19.58	19.20	19.47	19.31
6	20.67	20.53	20.59	20.81	20.95	21.02	20.02	19.76	19.53	19.23	19.47	19.33
7	20.68	20.56	20.60	20.81	20.91	21.03	20.05	19.78	19.54	19.27	19.33	19.32
8	20.68	20.55	20.67	20.83	20.91	21.03	20.02	19.78	19.59	19.32	19.31	19.32
9	20.67	20.53	20.65	20.83	20.97	21.03	20.02	19.79	19.61	19.32	19.35	19.40
10	20.62	20.55	20.59	20.82	20.98	21.02	20.03	19.80	19.61	19.25	19.33	19.38
11	20.63	20.56	20.59	20.84	20.98	21.02	20.03	19.84	19.58	19.23	19.35	19.43
12	20.60	20.56	20.67	20.86	20.99	21.02	20.03	19.80	19.50	19.29	19.42	19.39
13	20.66	20.57	20.64	20.85	20.97	21.19	20.02	19.78	19.43	19.32	19.44	19.40
14	20.65	20.58	20.66	20.86	20.99	21.15	20.02	19.78	19.46	19.35	19.42	19.40
15	20.61	20.58	20.71	20.86	20.98	21.11	20.02	19.75	19.48	19.38	19.36	19.48
16	20.65	20.55	20.74	20.85	21.01	21.13	20.02	19.71	19.42	19.38	19.39	19.48
17	20.65	20.55	20.77	20.90	21.01	21.14	20.01	19.76	19.48	19.34	19.40	19.45
18	20.67	20.55	20.79	20.95	20.99	21.12	20.01	19.77	19.41	19.26	19.46	19.48
19	20.65	20.55	20.78	20.96	21.00	21.12	19.87	19.79	19.39	19.31	19.45	19.48
20	20.66	20.59	20.75	20.99	20.99	21.12	19.79	19.76	19.34	19.38	19.45	19.44
21	20.65	20.60	20.78	20.96	21.00	21.08	19.80	19.76	19.36	19.39	19.44	19.44
22	20.66	20.62	20.82	20.89	21.02	21.14	19.79	19.73	19.36	19.39	19.39	19.44
23	20.64	20.60	20.80	20.90	21.04	21.15	19.79	19.75	19.38	19.38	19.40	19.43
24	20.62	20.59	20.76	20.90	21.06	21.09	19.78	19.75	19.37	19.39	19.35	19.39
25	20.60	20.59	20.76	20.85	21.03	21.03	19.86	19.72	19.33	19.39	19.35	19.36
26	20.56	20.60	20.78	20.89	21.03	21.03	19.77	19.72	19.30	19.39	19.34	19.33
27	20.56	20.58	20.79	20.89	20.99	21.02	19.78	19.75	19.28	19.43	19.37	19.33
28	20.57	20.64	20.81	20.92	21.02	20.84	19.90	19.76	19.31	19.44	19.33	19.34
29	20.56	20.62	20.83	20.91	21.00	20.35	19.90	19.71	19.38	19.36	19.31	19.31
30	20.58	20.66	20.82	20.89	---	20.30	19.80	19.65	19.40	19.39	19.34	19.28
31	20.58	---	20.83	20.90	---	20.27	---	19.68	---	19.45	19.35	---

GROUND-WATER LEVELS
NETWORK SITES--Continued
WALSH COUNTY--Continued

156-056-22DDD



156-056-22DDD--Continued



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 WALSH COUNTY--Continued

482408097443201. Local number, 157-055-21DBC.

LOCATION.--Lat 48°24'08", long 97°44'32", Hydrologic Unit 09020310. Owner: North Dakota State Water Commission.

AQUIFER.--Dakota.

WELL CHARACTERISTICS.--Drilled observation well, depth 496 ft, cased with 491 ft of 4-in diameter steel pipe, screen set 491 to 496 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

DATUM.--Altitude of land-surface datum is 975 ft. Measuring point: Top of casing 0.00 ft above land-surface datum.

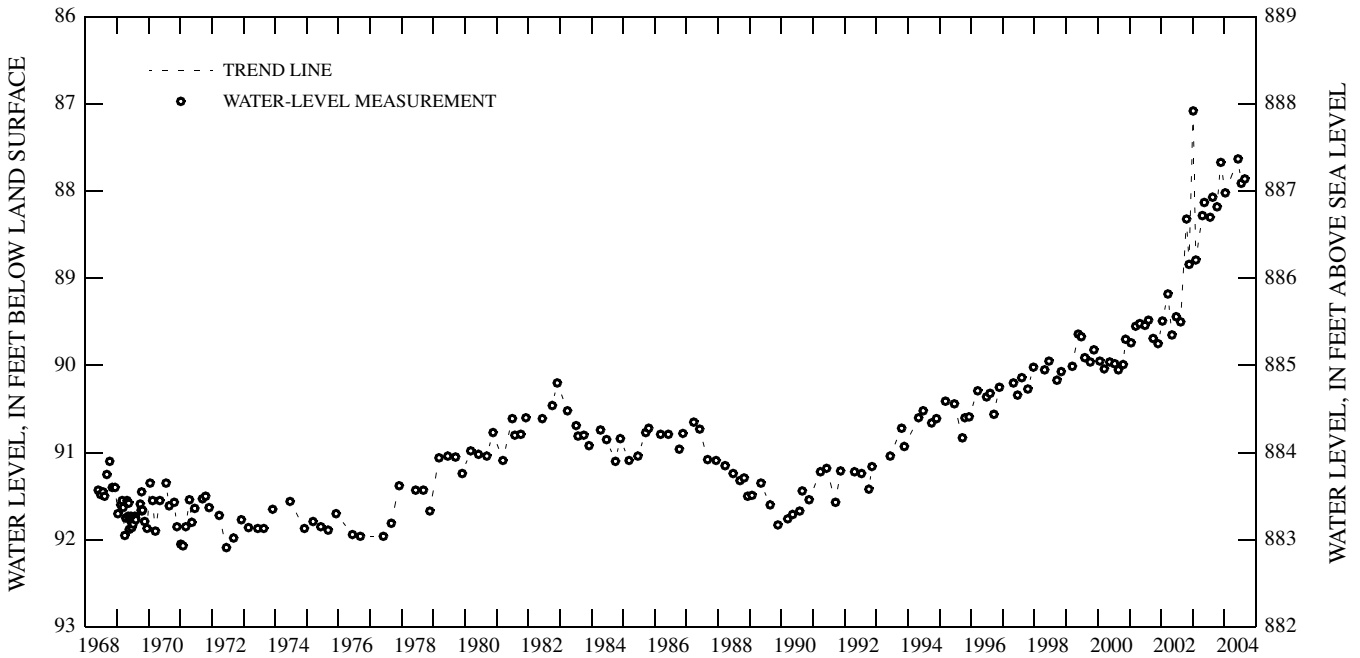
PERIOD OF RECORD.--May 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 87.08 ft below land-surface datum, January 6, 2003; lowest water level, 92.09 ft below land-surface datum, June 15, 1972.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	88.18	NOV 20	87.67	JAN 12	88.02	JUN 07	87.63	JUL 14	87.91	AUG 24	87.86
WATER YEAR 2004		HIGHEST	87.63	JUN 07, 2004		LOWEST	88.18	OCT 09, 2003			

157-055-21DBC



NETWORK SITES--Continued

WALSH COUNTY--Continued

482449098095801. Local number, 157-058-18DDD.

LOCATION.--Lat 48°24'49", long 98°09'58", Hydrologic Unit 09020308. Owner: North Dakota State Water Commission.

AQUIFER.--Pierre Shale.

WELL CHARACTERISTICS.--Drilled observation well, depth 140 ft, cased with 80 ft of 4-in diameter plastic pipe, screen set 80 to 100 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

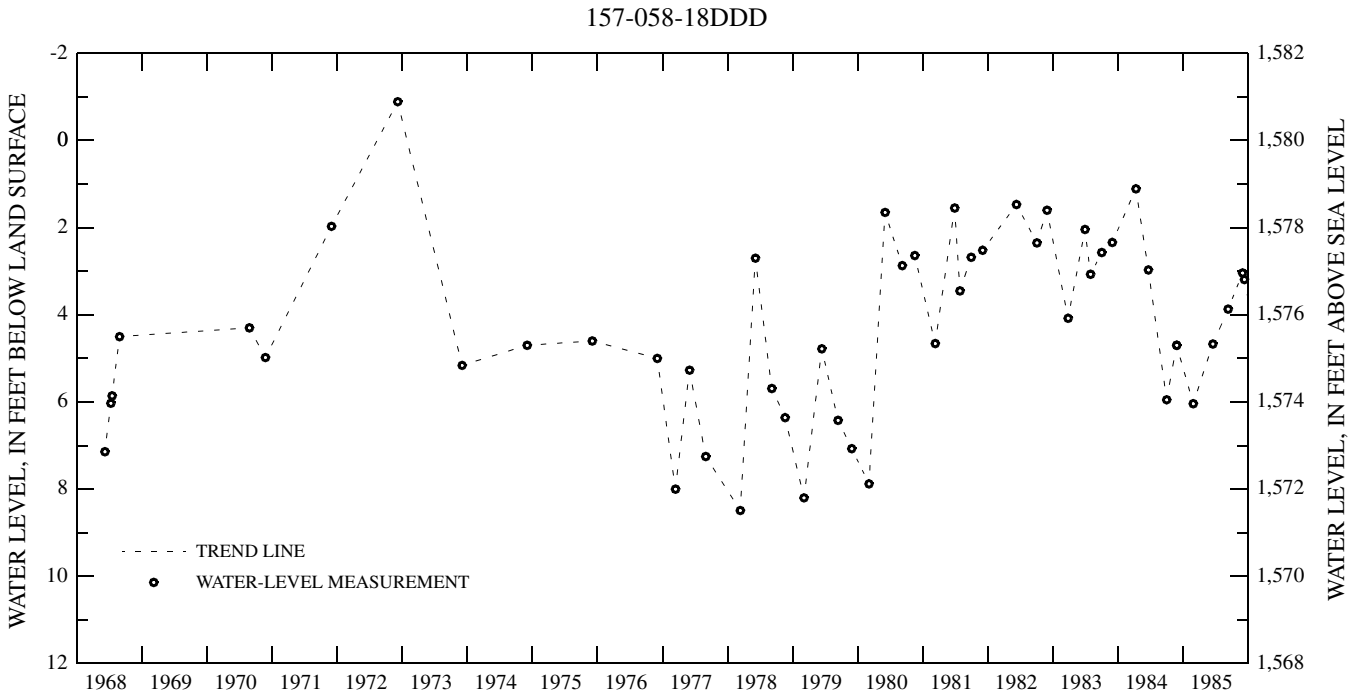
DATUM.--Altitude of land-surface datum is 1,580 ft. Measuring point: Top of casing 1.00 ft above land-surface datum.

PERIOD OF RECORD.--June 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, -0.89 ft below land-surface datum, December 5, 1972; lowest water level, 9.89 ft below land-surface datum, November 21, 1989.

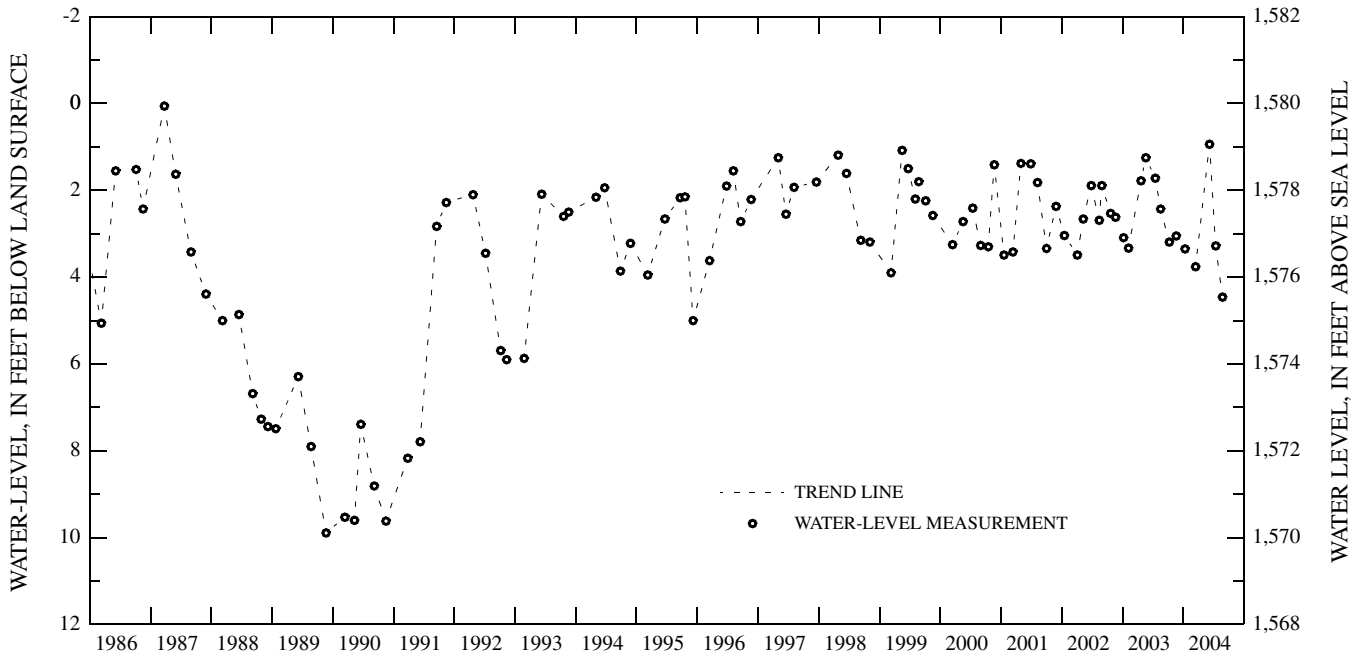
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 09	3.19	JAN 12	3.35	MAR 15	3.76	JUN 07	0.94	JUL 14	3.28	AUG 24	4.46
NOV 20	3.05										
WATER YEAR 2004		HIGHEST	0.94	JUN 07, 2004		LOWEST	4.46	AUG 24, 2004			



GROUND-WATER LEVELS
NETWORK SITES--Continued
WALSH COUNTY--Continued

157-058-18DDD--Continued



GROUND-WATER LEVELS

171

NETWORK SITES--Continued

WARD COUNTY

481058101120403. Local number, 154-082-03CDC3.

LOCATION.--Lat 48°10'58", long 101°12'04", Hydrologic Unit 09010001. Owner: North Dakota State Water Commission.

AQUIFER.--Sundre Buried Channel.

WELL CHARACTERISTICS.--Drilled observation well, depth 220 ft, cased with 170 ft of 12-in diameter steel pipe, screen set 170 to 220 ft below land-surface datum.

INSTRUMENTATION.--Water-level recorder November 1976 to current year, daily maximum and minimum recorded water levels also are available. Measured using a steel tape December 1968 to June 1973.

DATUM.--Altitude of land-surface datum is 1,544 ft. Measuring point: Top of casing 1.45 ft above land-surface datum.

PERIOD OF RECORD.--December 1968 to current year.

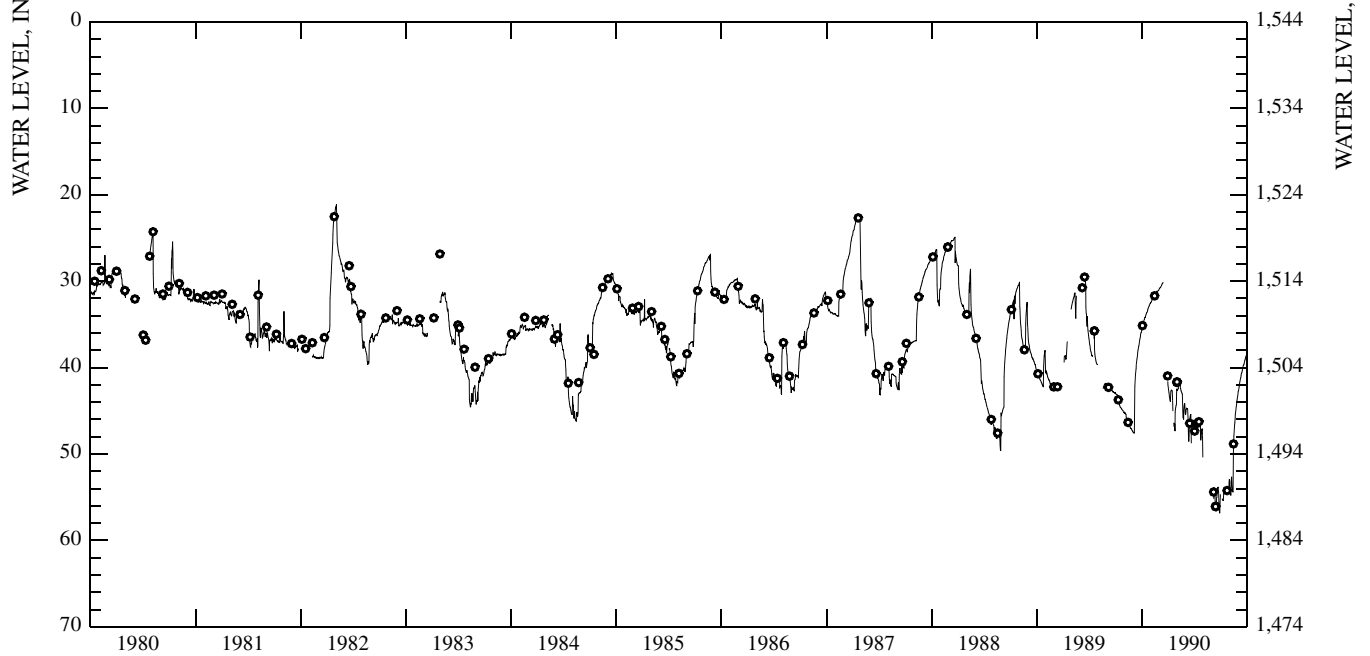
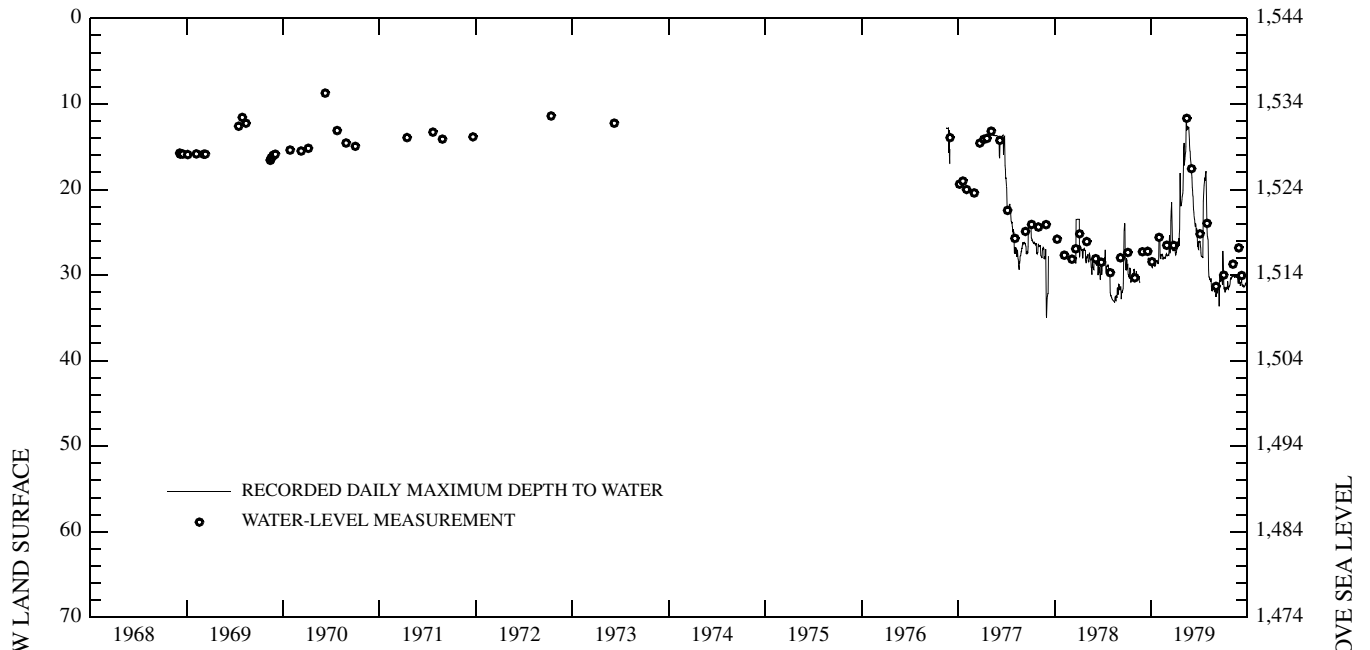
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.73 ft below land-surface datum, June 9, 1970; lowest water level, 64.79 ft below land-surface datum, August 28, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

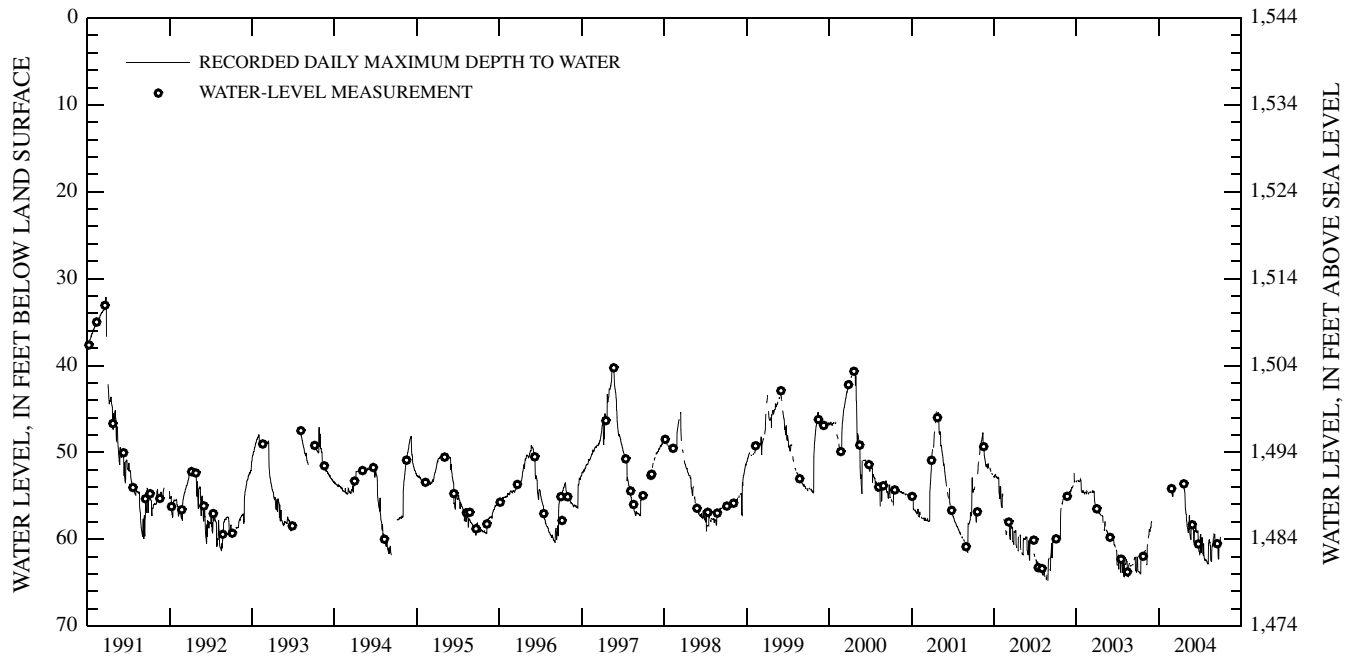
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63.71	61.40	58.01	---	---	54.91	---	57.06	58.66	61.73	62.55	59.80
2	63.71	61.31	---	---	---	55.06	---	57.13	58.79	61.59	62.65	59.42
3	63.72	61.30	---	---	---	55.06	---	57.77	58.80	59.67	62.72	59.47
4	63.74	---	---	---	---	55.05	---	57.99	60.24	59.68	62.81	59.48
5	63.80	---	---	---	---	54.39	---	58.24	60.39	59.41	62.83	59.46
6	63.81	---	---	---	---	54.18	---	58.56	60.43	61.01	62.82	60.08
7	63.80	62.95	---	---	---	54.25	---	58.63	58.99	61.46	62.83	60.28
8	63.84	62.95	---	---	---	54.22	---	58.76	59.14	61.59	61.36	60.29
9	63.85	62.94	---	---	---	---	---	58.96	59.17	60.14	60.50	60.29
10	63.92	62.91	---	---	---	---	---	59.20	59.14	59.86	60.34	60.41
11	64.00	61.00	---	---	---	---	---	59.20	58.98	59.85	60.16	60.46
12	64.00	60.59	---	---	---	---	---	58.79	59.00	59.85	60.03	60.41
13	64.00	---	---	---	---	---	---	58.89	58.55	60.17	60.36	60.40
14	62.52	---	---	---	---	---	---	58.90	58.83	61.65	60.41	60.50
15	62.38	---	---	---	---	---	---	57.38	59.00	61.68	60.38	60.53
16	62.31	59.91	---	---	---	---	---	57.26	59.09	61.82	60.74	60.53
17	62.25	59.68	---	---	---	---	---	58.73	59.18	61.87	60.78	60.56
18	62.15	59.53	---	---	---	---	---	59.38	59.24	60.51	62.26	60.56
19	62.09	59.46	---	---	---	---	---	59.56	59.25	61.86	62.42	60.75
20	62.06	58.91	---	---	---	---	---	59.83	59.14	62.01	62.55	62.02
21	62.04	58.91	---	---	---	---	---	59.86	59.05	62.21	62.56	62.27
22	62.03	59.09	---	---	---	---	54.08	60.01	59.04	62.36	62.53	62.29
23	62.03	59.09	---	---	---	---	54.30	60.01	59.09	62.45	61.32	62.28
24	61.96	59.03	---	---	---	---	54.35	57.97	60.64	62.49	60.84	60.87
25	62.05	58.69	---	---	---	---	54.52	57.80	60.77	62.50	60.77	60.83
26	62.00	58.67	---	---	---	---	54.62	58.13	61.16	62.47	60.70	60.72
27	---	58.73	---	---	54.14	---	55.98	58.34	61.36	62.35	60.77	60.77
28	---	58.45	---	---	54.18	---	56.40	58.36	61.45	62.41	60.77	60.76
29	---	58.02	---	---	54.73	---	56.66	58.36	61.51	62.43	60.10	60.62
30	61.41	57.98	---	---	---	---	56.90	58.37	61.67	62.45	59.94	59.75
31	61.43	---	---	---	---	---	---	58.46	---	62.50	59.84	---

GROUND-WATER LEVELS
NETWORK SITES--Continued
WARD COUNTY--Continued

154-082-03CDC3



154-082-03CDC3--Continued



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 WELLS COUNTY

472329099194401. Local number, 145-068-10BCC.

LOCATION.--Lat 47°23'29", long 99°19'44", Hydrologic Unit 10160002. Owner: North Dakota State Water Commission.

AQUIFER.--Pipestem Creek.

WELL CHARACTERISTICS.--Drilled observation well, depth 52 ft, cased with 25 ft of 1.25-in diameter plastic pipe, No. 12 slot screen set 25 to 27 ft below land-surface datum.

INSTRUMENTATION.--Measured using an electric tape.

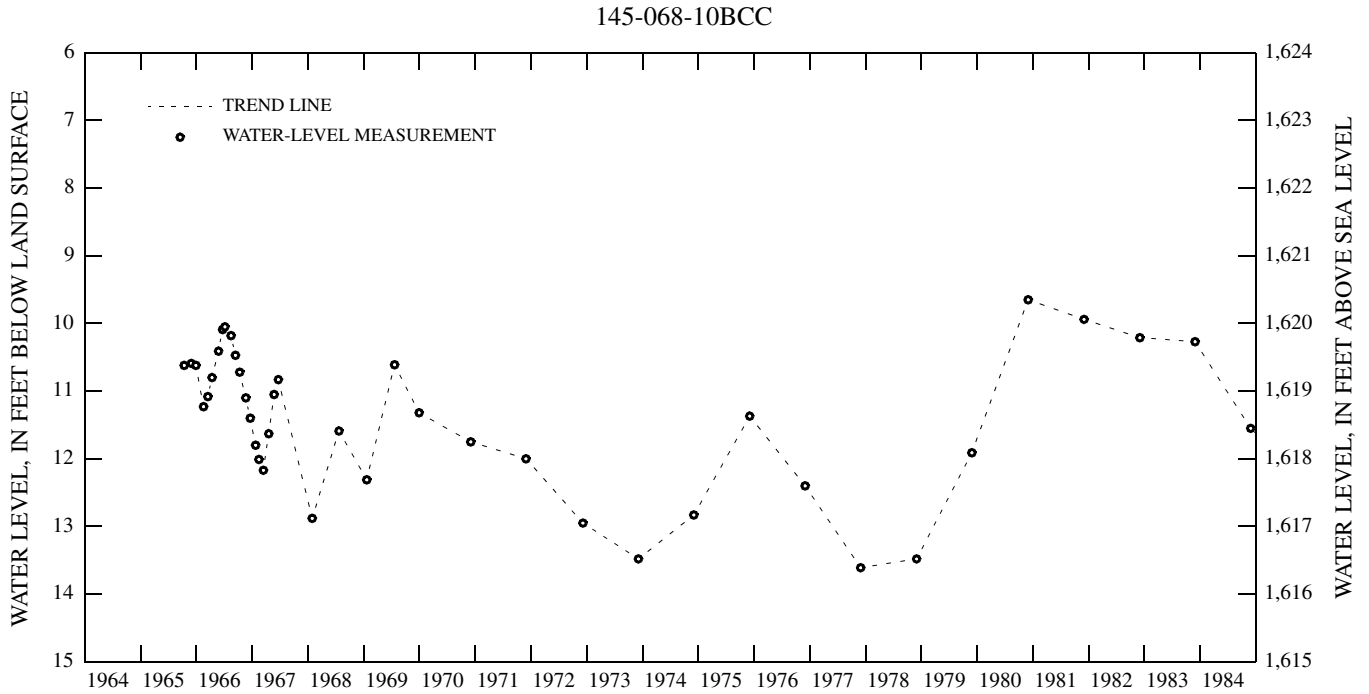
DATUM.--Altitude of land-surface datum is 1,630 ft. Measuring point: Top of casing 2.00 ft above land-surface datum.

PERIOD OF RECORD.--October 1965 to current year.

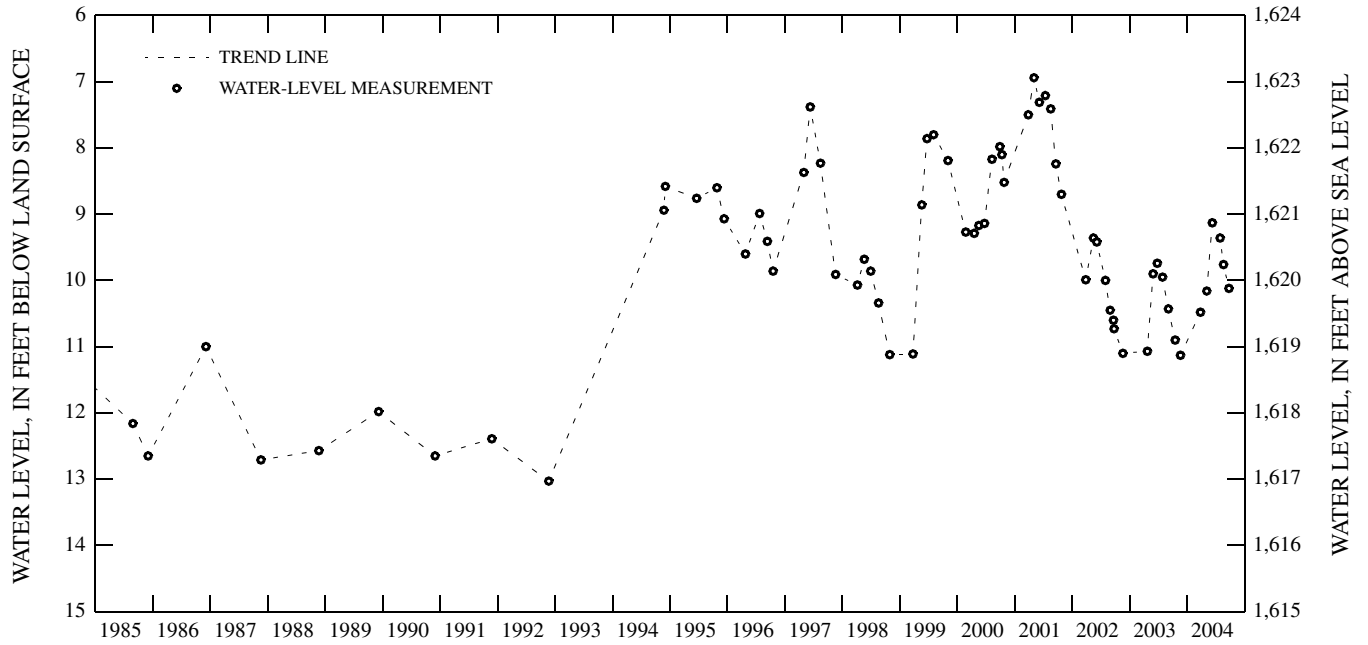
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.94 ft below land-surface datum, May 2, 2001; lowest water level, 13.61 ft below land-surface datum, November 30, 1977.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	10.90	MAR 25	10.48	JUN 08	9.13	JUL 28	9.36	AUG 18	9.76	SEP 22	10.12
NOV 19	11.13	MAY 04	10.16								
WATER YEAR 2004		HIGHEST	9.13 JUN 08, 2004	LOWEST		11.13 NOV 19, 2003					



145-068-10BCC--Continued



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 WELLS COUNTY--Continued

474419099371201. Local number, 149-070-09DAA1.

LOCATION.--Lat 47°44'19", long 99°37'12", Hydrologic Unit 10160001. Owner: North Dakota State Water Commission.

AQUIFER.--New Rockford.

WELL CHARACTERISTICS.--Drilled observation well, depth 283 ft, cased with 197 ft of 1.25-in diameter plastic pipe, slotted 177 to 197 ft below land-surface datum.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,612.7 ft. Measuring point: Top of casing 2.16 ft above land-surface datum.

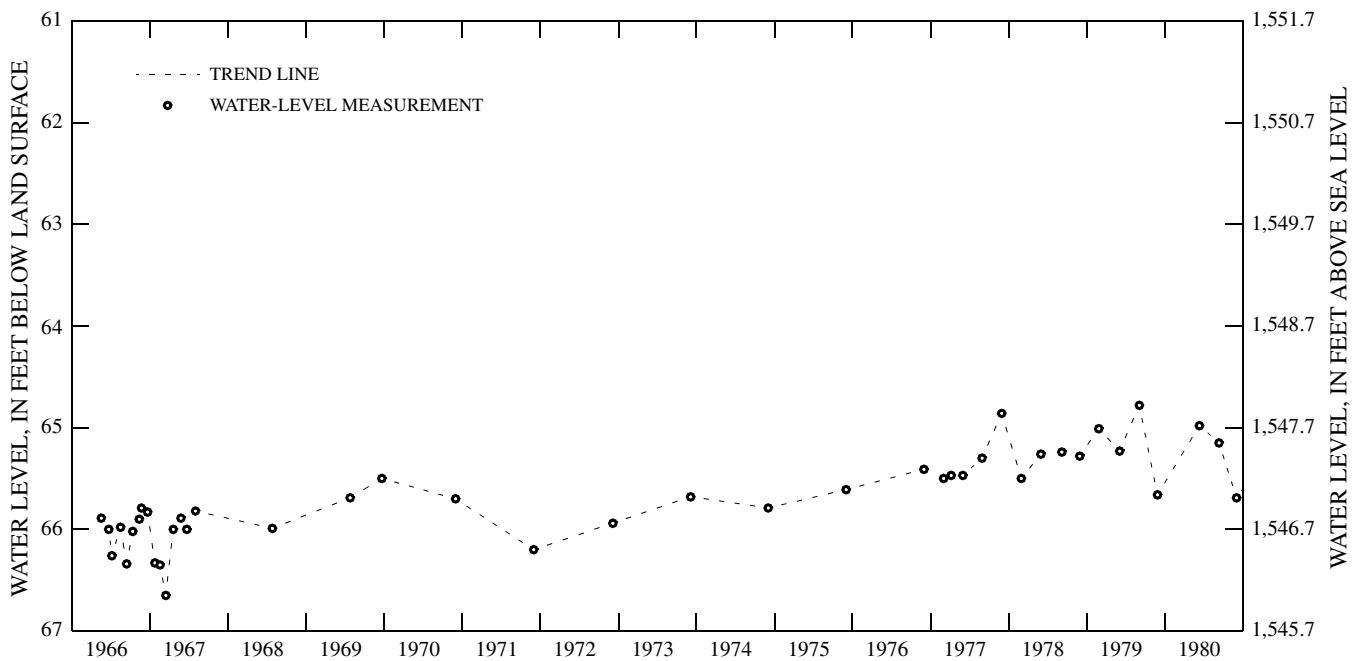
PERIOD OF RECORD.--May 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 62.16 ft below land-surface datum, August 24, 2004; lowest water level, 66.65 ft below land-surface datum, March 15, 1967.

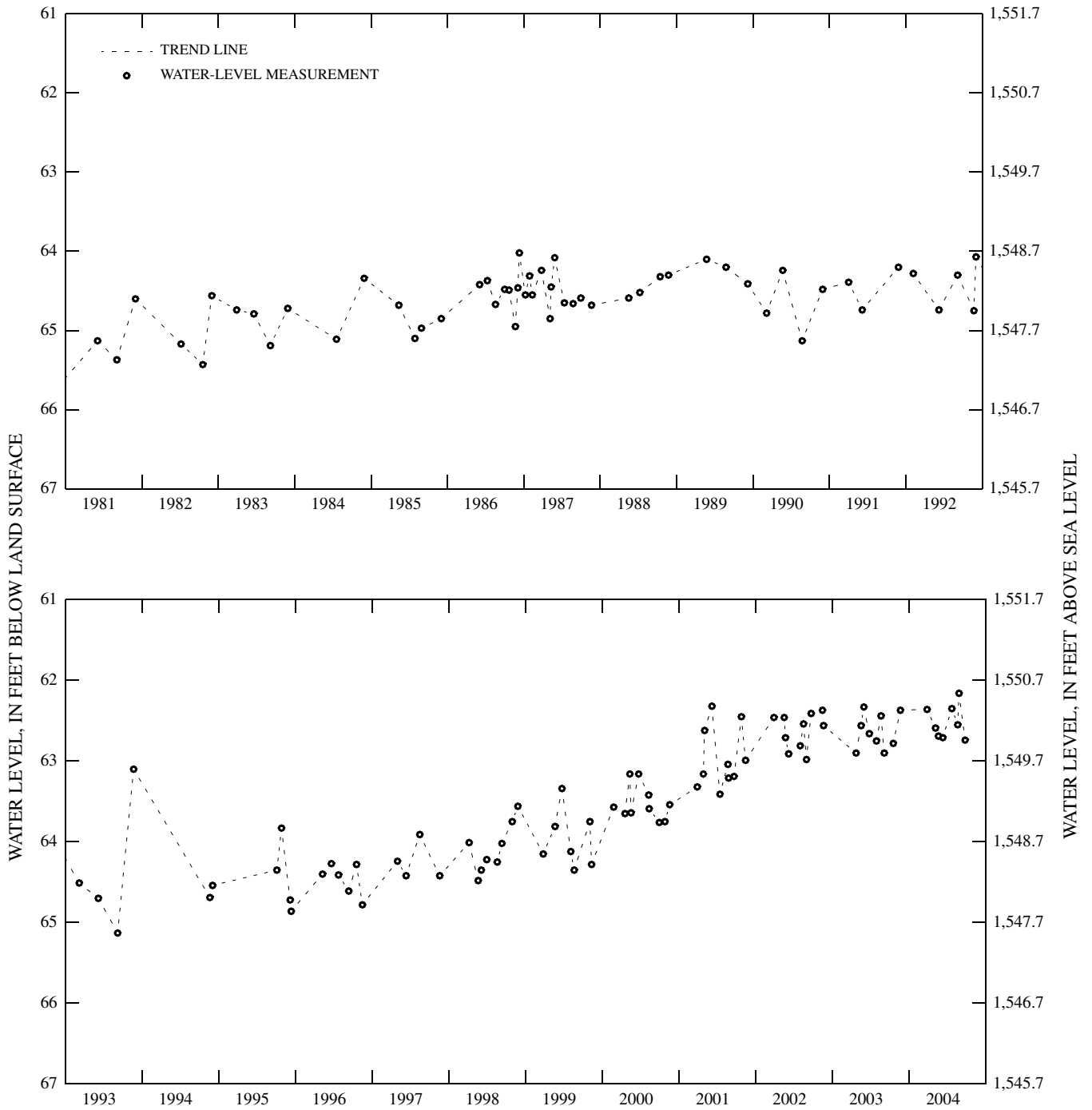
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	62.78	MAR 25	62.36	MAY 18	62.69	JUL 21	62.35	AUG 24	62.16	SEP 22	62.74
NOV 19	62.37	MAY 04	62.59	JUN 08	62.71	AUG 18	62.55				
WATER YEAR 2004		HIGHEST	62.16	AUG 24, 2004		LOWEST	62.78	OCT 16, 2003			

149-070-09DAA1



149-070-09DAA1--Continued



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 WILLIAMS COUNTY

481056103024201. Local number, 154-096-08AAA.

LOCATION.--Lat 48°10'56", long 103°02'42", Hydrologic Unit 10110101. Owner: North Dakota State Water Commission.

AQUIFER.--Hofflund.

WELL CHARACTERISTICS.--Drilled observation well, depth 120 ft, cased with 77 ft of 1.25-in diameter plastic pipe, No. 18 slot screen set 77 to 83 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

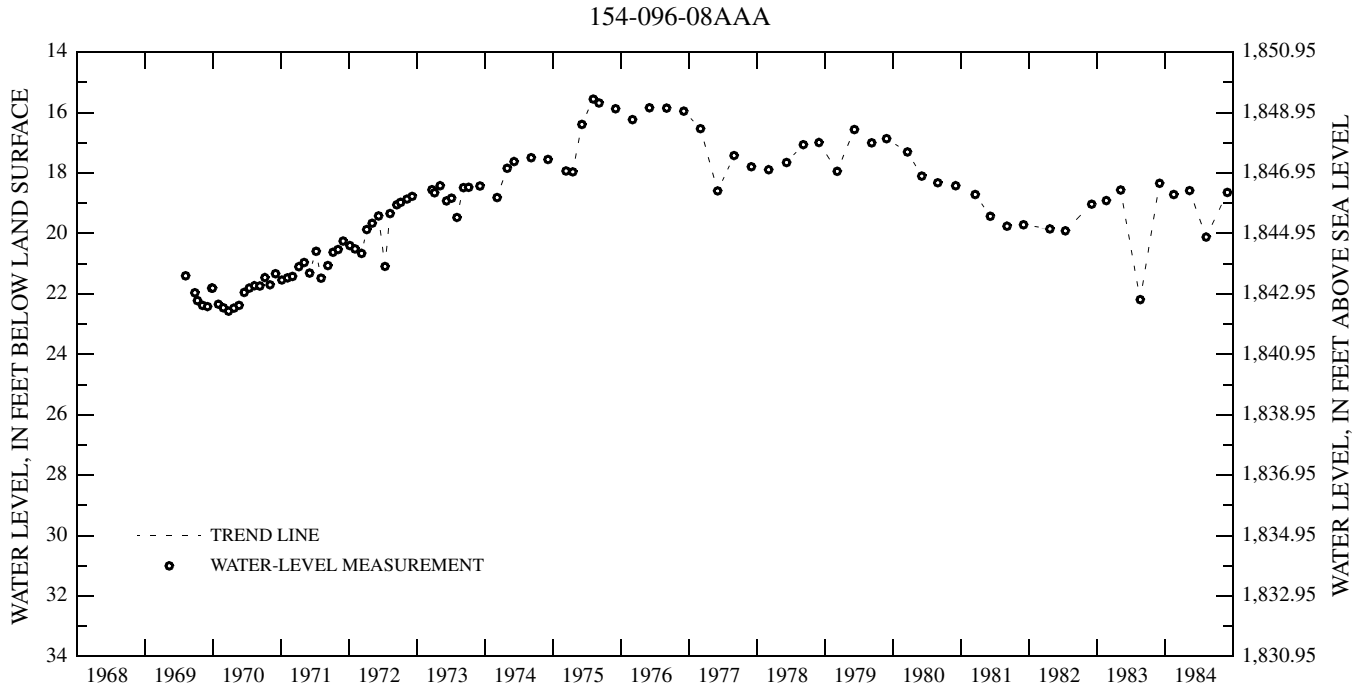
DATUM.--Altitude of land-surface datum is 1,864.95 ft. Measuring point: Top of casing 1.87 ft above land-surface datum.

PERIOD OF RECORD.--August 1969 to current year.

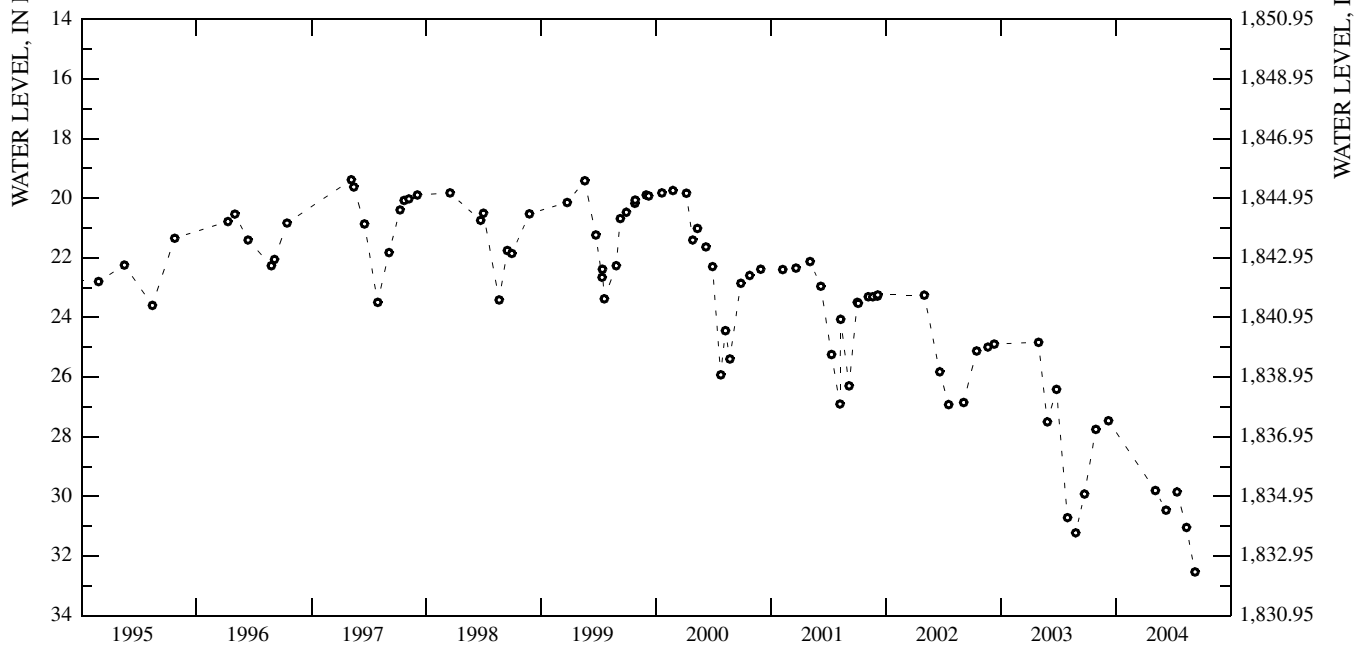
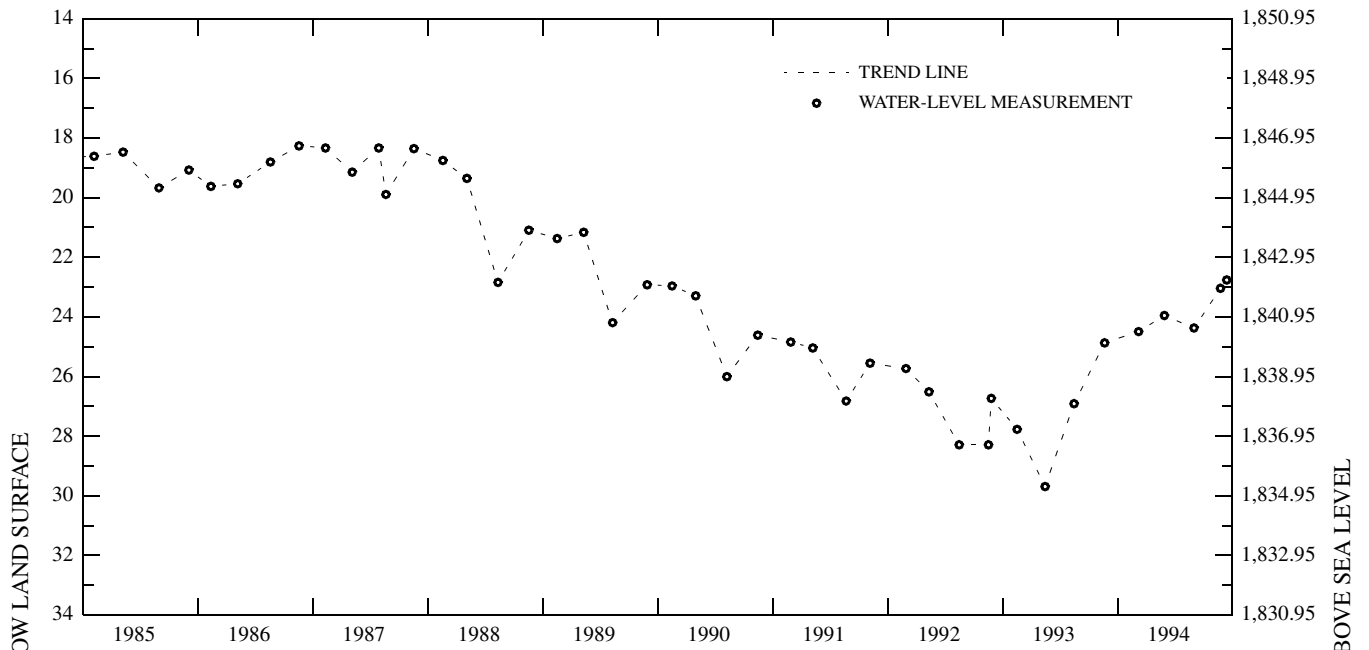
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 15.55 ft below land-surface datum, August 4, 1975; lowest water level, 32.53 ft below land-surface datum, September 8, 2004.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	27.75	MAY 05	29.80	JUN 08	30.46	JUL 13	29.85	AUG 12	31.04	SEP 08	32.53
DEC 08	27.46										
WATER YEAR 2004		HIGHEST	27.46	DEC 08, 2003		LOWEST	32.53	SEP 08, 2004			



154-096-08AAA--Continued



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 WILLIAMS COUNTY--Continued

483016103242801. Local number, 158-099-13DDD.

LOCATION.--Lat 48°30'16", long 103°24'28", Hydrologic Unit 10110102. Owner: North Dakota State Water Commission.

AQUIFER.--Ray.

WELL CHARACTERISTICS.--Drilled observation well, depth 294 ft, cased with 255 ft of 1.25-in diameter plastic pipe, No. 18 slot screen set 255 to 257 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

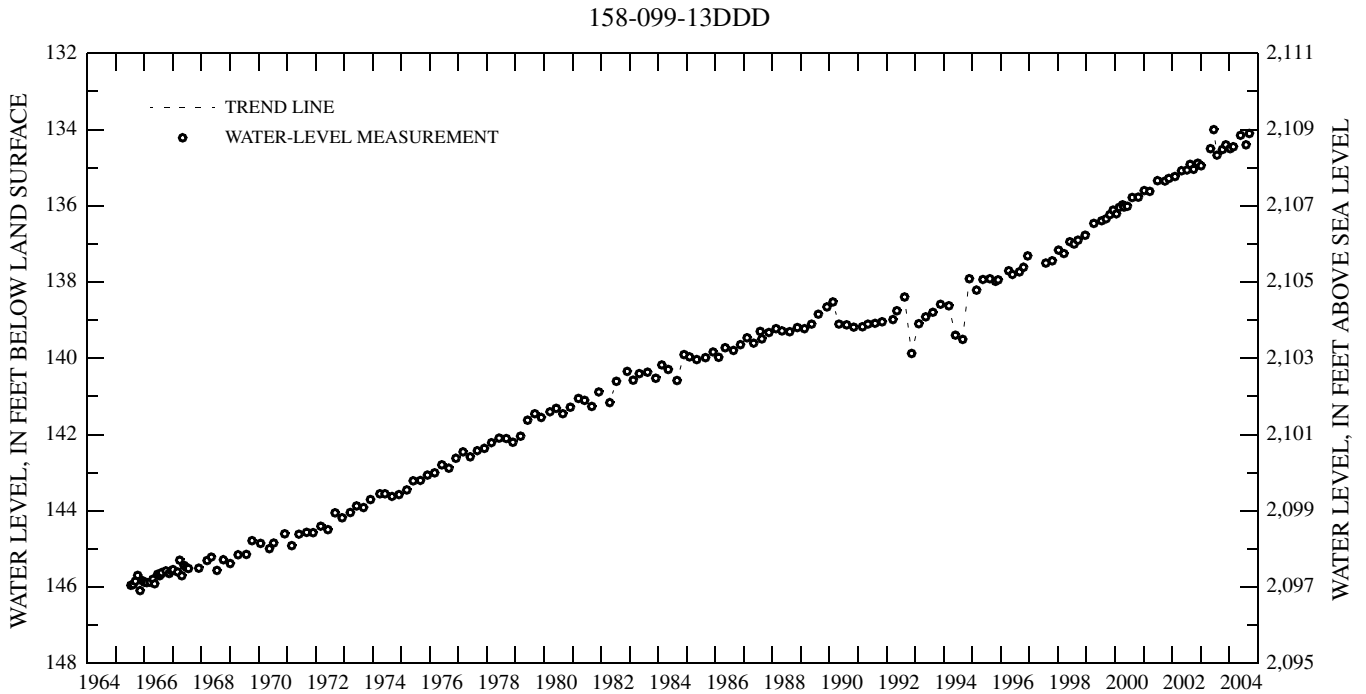
DATUM.--Altitude of land-surface datum is 2,243 ft. Measuring point: Top of casing 1.90 ft above land-surface datum.

PERIOD OF RECORD.--July 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 134.00 ft below land-surface datum, June 17, 2003; lowest water level, 146.09 ft below land-surface datum, November 8, 1965.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	134.52	JAN 12	134.50	FEB 23	134.45	MAY 25	134.15	AUG 03	134.40	SEP 14	134.10
NOV 18	134.40										
WATER YEAR 2004		HIGHEST	134.10	SEP 14, 2004		LOWEST	134.52	OCT 06, 2003			



GROUND-WATER LEVELS

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NETWORK SITES--Continued

WILLIAMS COUNTY--Continued

483127103373102. Local number, 158-100-08DAA2.

LOCATION.--Lat 48°31'27", long 103°37'31", Hydrologic Unit 10110102. Owner: North Dakota State Water Commission.

AQUIFER.--Little Muddy.

WELL CHARACTERISTICS.--Drilled observation well, depth 94 ft, cased with 78 ft of 4-in diameter plastic pipe, slotted 68 to 78 ft below land-surface datum.

INSTRUMENTATION.--Water-level recorder August 1966 to current year, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,997.8 ft. Measuring point: Top of casing 1.43 ft above land-surface datum.

PERIOD OF RECORD.--August 1966 to current year.

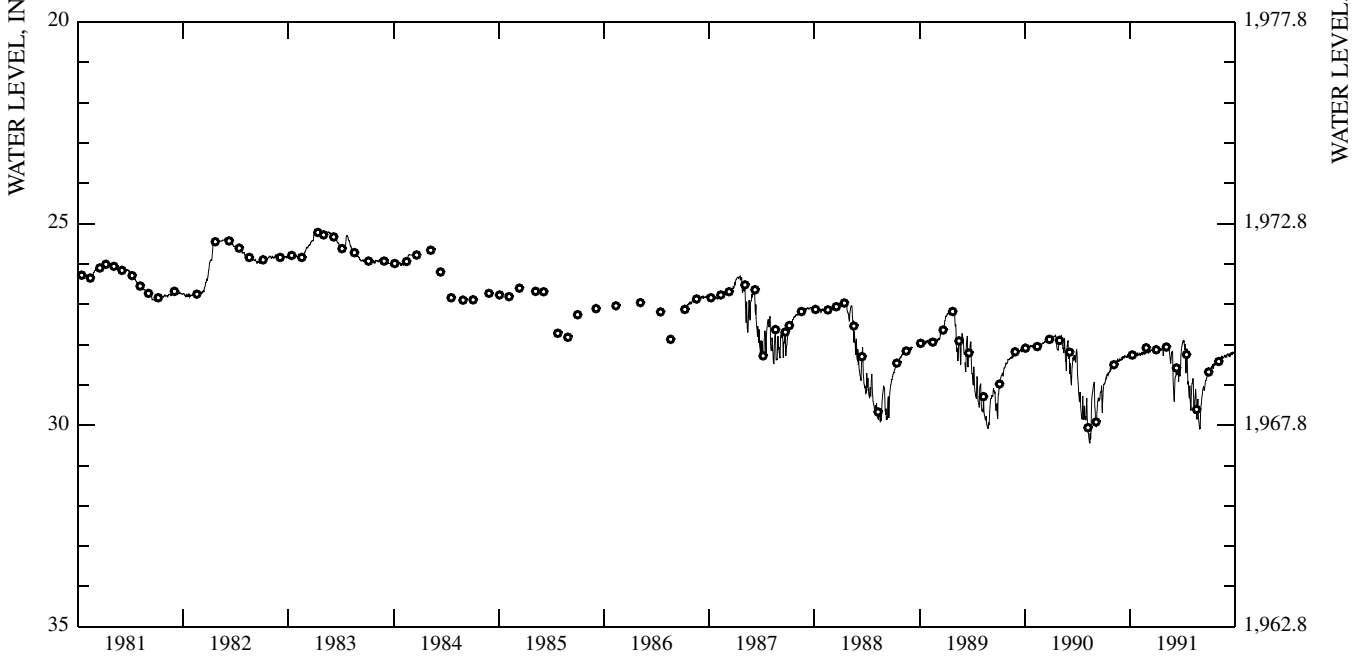
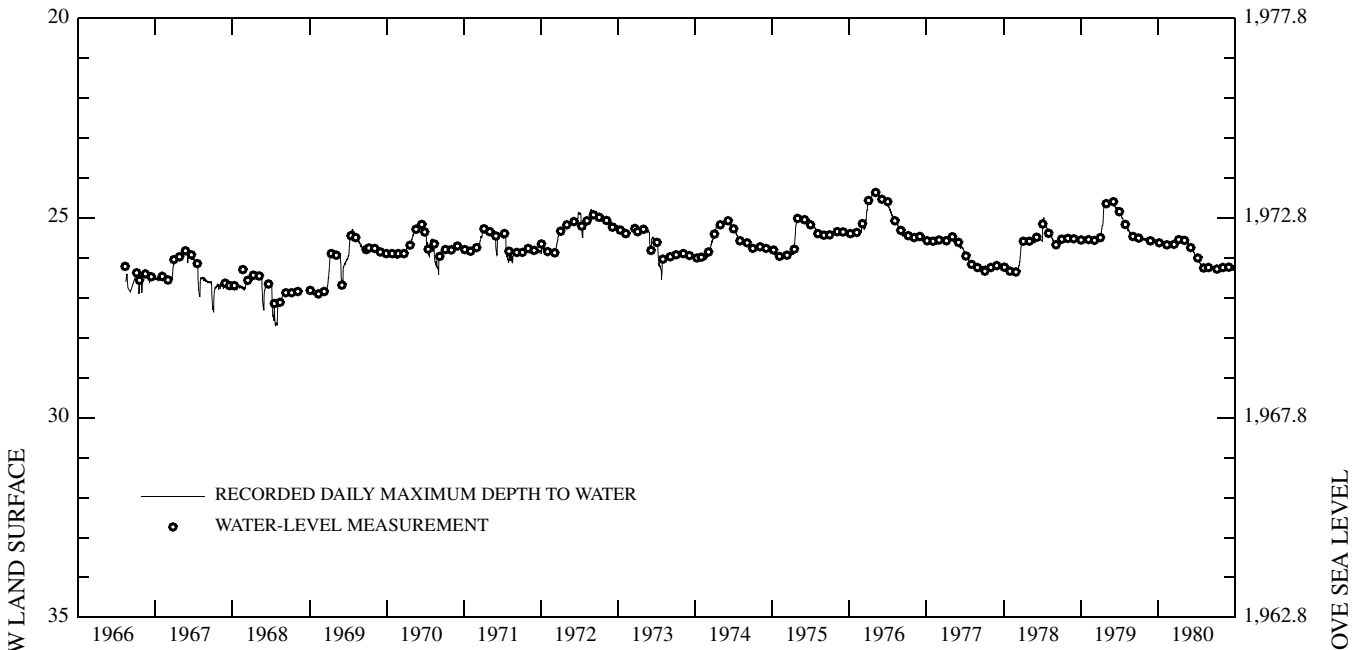
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 24.24 ft below land-surface datum, May 4, 1976; lowest water level, 31.70 ft below land-surface datum, August 27, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

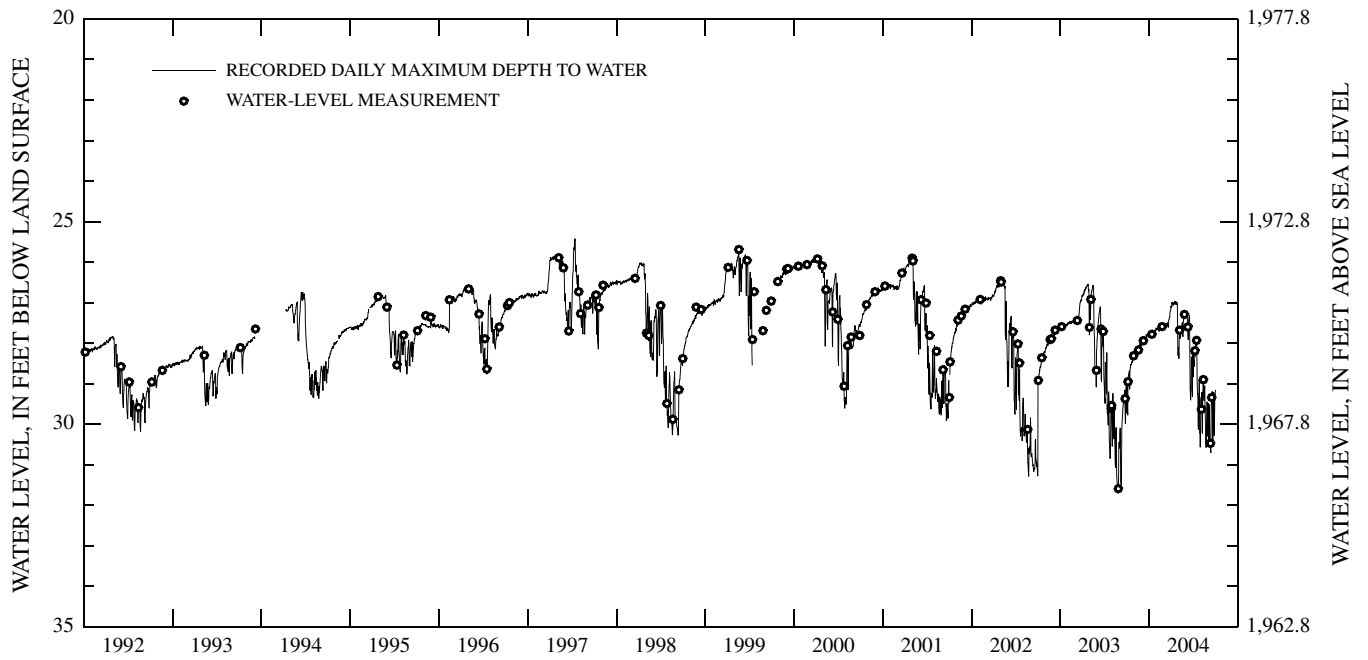
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.73	28.29	28.05	27.74	27.65	27.57	27.10	28.10	27.25	28.82	29.45	29.48
2	29.05	28.30	27.96	27.79	27.66	27.58	27.13	28.37	27.25	28.44	29.33	30.42
3	28.93	28.29	27.94	27.81	27.65	27.57	27.10	28.38	27.22	28.22	29.65	30.51
4	29.51	28.23	28.02	27.80	27.65	27.52	26.99	27.73	27.20	28.24	29.66	29.85
5	29.78	28.23	28.02	27.79	27.67	27.54	27.02	27.76	27.29	28.58	29.21	29.52
6	29.07	28.24	27.86	27.74	27.67	27.60	27.01	27.82	27.37	28.41	30.02	29.87
7	28.86	28.24	27.92	27.74	27.61	27.61	27.05	27.89	27.49	---	30.23	30.51
8	28.81	28.21	27.95	27.75	27.61	27.61	27.01	27.85	27.60	28.35	29.70	30.37
9	28.77	28.17	27.95	27.77	27.66	27.60	27.06	27.80	27.78	28.14	29.22	30.53
10	28.74	28.12	27.92	27.73	27.63	27.61	27.05	27.80	27.92	28.04	29.03	30.63
11	28.72	28.19	27.87	27.75	27.71	27.61	27.01	27.70	27.49	28.07	28.91	30.71
12	28.68	28.20	27.88	27.76	27.67	27.51	27.00	27.63	27.41	28.05	29.23	29.81
13	29.14	28.17	27.85	27.76	27.61	27.58	27.00	27.63	27.39	27.97	29.23	29.53
14	28.80	28.09	27.85	27.75	27.61	27.58	27.00	27.58	27.35	27.99	29.41	29.40
15	28.63	28.10	27.94	27.67	27.61	27.53	26.97	27.52	27.32	27.95	29.41	29.28
16	28.61	28.09	27.92	27.74	27.62	27.49	27.04	27.52	28.12	28.38	29.15	29.20
17	28.54	28.08	27.92	27.75	27.62	27.52	27.04	27.49	28.76	29.00	29.05	29.19
18	28.54	28.09	27.90	27.75	27.56	27.53	27.00	27.80	29.12	29.26	29.36	29.76
19	28.51	28.10	27.89	27.68	27.59	27.57	27.01	27.84	29.32	29.24	29.67	30.41
20	28.54	28.12	27.79	27.69	27.60	27.61	26.97	27.54	29.41	29.48	30.18	30.27
21	28.48	28.12	27.85	27.73	27.58	27.57	27.00	27.45	29.18	30.06	30.37	29.57
22	28.48	28.09	27.86	27.72	27.60	27.43	27.03	27.42	29.16	30.13	30.57	29.29
23	28.44	28.06	27.85	27.71	27.60	27.41	27.05	27.40	28.34	29.36	30.57	29.21
24	28.45	28.01	27.79	27.70	27.57	27.37	26.99	27.37	28.58	29.21	29.95	30.03
25	28.48	27.98	27.80	27.67	27.55	27.36	27.01	27.37	28.68	28.90	29.79	30.28
26	28.39	28.05	27.80	27.69	27.55	27.35	27.04	27.29	29.17	28.96	29.59	29.71
27	28.36	28.10	27.77	27.71	27.60	27.22	27.73	27.30	29.33	30.21	29.45	29.35
28	28.36	28.08	27.81	27.71	27.61	27.21	28.25	27.28	28.47	30.21	30.08	29.34
29	28.33	27.94	27.81	27.67	27.59	27.20	28.29	27.23	28.29	30.56	30.30	29.22
30	28.36	28.05	27.77	27.62	---	27.18	28.32	27.23	28.81	30.56	29.65	29.15
31	28.35	---	27.77	27.65	---	27.08	---	27.23	---	30.40	29.54	---

GROUND-WATER LEVELS
NETWORK SITES--Continued
WILLIAMS COUNTY--Continued

158-100-08DAA2



158-100-08DAA2--Continued



GROUND-WATER LEVELS
 NETWORK SITES--Continued
 WILLIAMS COUNTY--Continued

483700103191501. Local number, 159-098-10AAD.

LOCATION.--Lat 48°37'00", long 103°19'15", Hydrologic Unit 10110102. Owner: North Dakota State Water Commission.

AQUIFER.--West Wildrose.

WELL CHARACTERISTICS.--Drilled observation well, depth 260 ft, cased with 214 ft of 1.25-in diameter plastic pipe, slotted 200 to 214 ft below land-surface datum.

INSTRUMENTATION.--Measured using a steel tape.

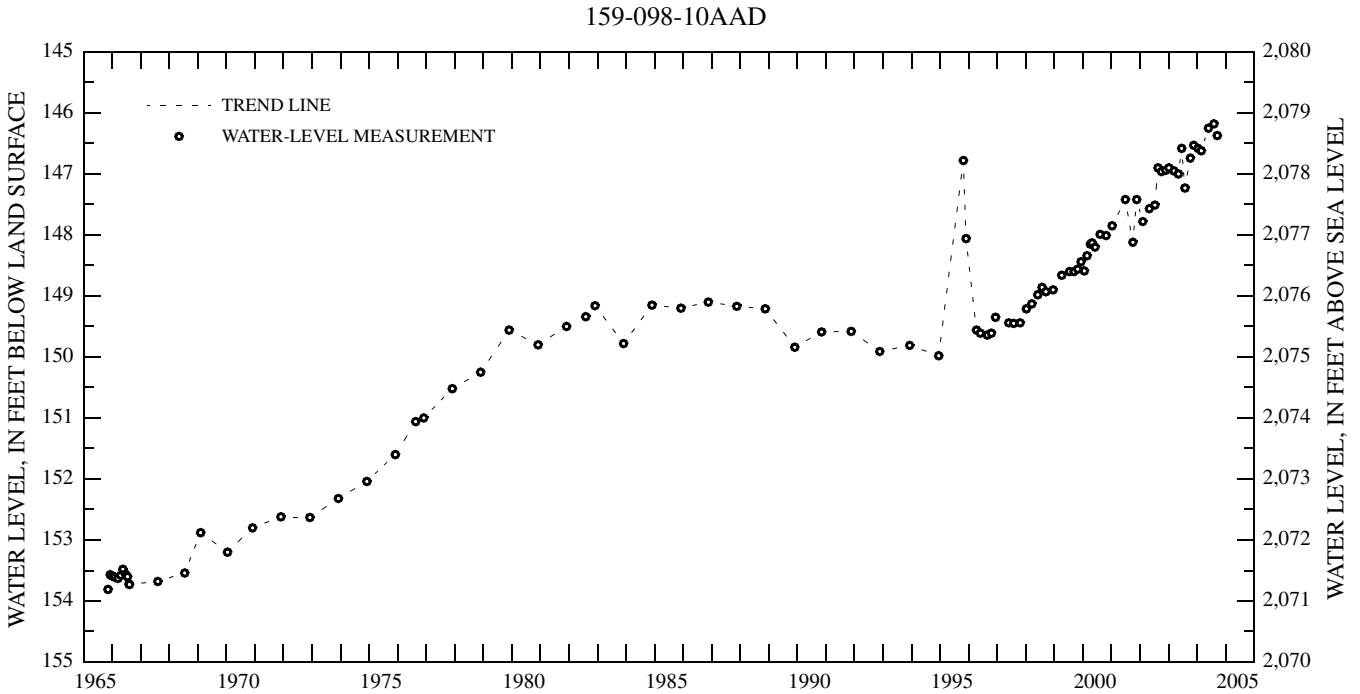
DATUM.--Altitude of land-surface datum is 2,225 ft. Measuring point: Top of casing 3.30 ft below land-surface datum.

PERIOD OF RECORD.--November 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 146.18 ft below land-surface datum, August 3, 2004; lowest water level, 153.81 ft below land-surface datum, November 8, 1965.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	146.74	JAN 12	146.58	FEB 23	146.62	MAY 24	146.25	AUG 03	146.18	SEP 14	146.37
NOV 18	146.53										
WATER YEAR 2004		HIGHEST	146.18	AUG 03, 2004		LOWEST	146.74	OCT 06, 2003			



GROUND-WATER LEVELS

185

SHEYENNE DELTA SITES

RANSOM COUNTY

462244097190101. Local number, 134-053-35BCAD.

LOCATION.--Lat 46°22'44", long 097°19'01", Hydrologic Unit 09020204. Owner: U. S. Forest Service.

AQUIFER.--Sheyenne Delta.

WELL CHARACTERISTICS.--Drilled observation well, depth 24 ft, cased with 18.7 ft of 2-in diameter plastic pipe, No. 10 slot screen set 18.7 to 23.7 ft below land surface.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,078.65 ft. Measuring point: Top of casing 0.96 ft above land-surface datum.

PERIOD OF RECORD.--April 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.99 ft below land-surface datum, April 29, 2002; lowest water level, 9.74 ft below land-surface datum, October 1, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL
JUL 20, 2004	7.45

462245097191001. Local number, 134-053-35BCBD.

LOCATION.--Lat 46°22'45", long 097°19'10", Hydrologic Unit 09020204. Owner: U. S. Forest Service.

AQUIFER.--Sheyenne Delta.

WELL CHARACTERISTICS.--Drilled observation well, depth 24 ft, cased with 18.1 ft of 2-in diameter plastic pipe, No. 10 slot screen set 18.1 to 23.1 ft below land surface.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,076.01 ft. Measuring point: Top of casing 1.46 ft above land-surface datum.

PERIOD OF RECORD.--April 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.81 ft below land-surface datum, April 29, 2002; lowest water level, 7.64 ft below land-surface datum, October 1, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL
JUL 20, 2004	5.28

462249097185001. Local number, 134-053-35BDAB.

LOCATION.--Lat 46°22'49", long 097°18'50", Hydrologic Unit 09020204. Owner: U. S. Forest Service.

AQUIFER.--Sheyenne Delta.

WELL CHARACTERISTICS.--Drilled observation well, depth 24 ft, cased with 18.4 ft of 2-in diameter plastic pipe, No. 10 slot screen set 18.4 to 23.4 ft below land surface.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,077.37 ft. Measuring point: Top of casing 2.42 ft above land-surface datum.

PERIOD OF RECORD.--April 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 5.81 ft below land-surface datum, April 29, 2002; lowest water level, 8.23 ft below land-surface datum, October 1, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL
JUL 20, 2004	6.15

GROUND-WATER LEVELS

SHEYENNE DELTA SITES--Continued

RANSOM COUNTY--Continued

462248097185001. Local number, 134-053-35BDAB1.

LOCATION.--Lat 46°22'48", long 097°18'50", Hydrologic Unit 09020204. Owner: U. S. Forest Service.

AQUIFER.--Sheyenne Delta.

WELL CHARACTERISTICS.--Drilled observation well, depth 32 ft, cased with 25.6 ft of 3-in diameter plastic pipe, No. 10 slot screen set 25.6 to 30.6 ft below land surface.

INSTRUMENTATION.--Water-level recorder. From March 2002 to current year, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,074.3 ft. Measuring point: Top of casing 1.57 ft above land-surface datum.

PERIOD OF RECORD.--March 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.77 ft below land-surface datum, April 29, 2002; lowest water level, 5.29 ft below land-surface datum, October 1, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.86	5.90	5.96	6.01	6.16	6.18	4.88	4.82	3.34	4.05	3.43	4.10
2	5.86	5.91	5.96	6.02	6.17	6.12	4.86	4.84	3.29	4.05	3.52	4.17
3	5.86	5.91	5.96	6.05	6.17	6.06	4.85	4.85	3.27	4.08	3.57	4.21
4	5.88	5.91	5.96	6.06	6.18	6.02	4.84	4.87	3.28	4.12	3.59	4.21
5	5.88	5.92	5.97	6.07	6.18	5.98	4.83	4.91	3.27	4.12	3.60	3.09
6	5.88	5.92	5.97	6.08	6.18	5.97	4.82	4.95	3.32	3.92	3.72	2.64
7	5.88	5.93	5.97	6.09	6.18	5.96	4.82	4.95	3.39	3.45	3.04	2.79
8	5.89	5.94	5.98	6.10	6.18	5.95	4.81	4.96	3.44	3.53	3.16	2.79
9	5.89	5.94	5.99	6.11	6.19	5.92	4.81	4.98	3.48	3.64	3.24	2.79
10	5.92	5.94	6.00	6.11	6.19	5.81	4.81	5.01	3.48	3.70	3.30	2.79
11	5.92	5.92	6.01	6.11	6.21	5.67	4.80	5.01	3.45	3.33	3.35	2.79
12	5.75	5.90	6.02	6.12	6.21	5.58	4.80	4.51	3.55	3.07	3.44	2.79
13	5.78	5.90	6.02	6.06	6.21	5.51	4.80	4.50	3.62	2.60	3.51	2.79
14	5.80	5.90	6.03	6.06	6.22	5.44	4.80	4.51	3.64	2.60	3.58	2.79
15	5.81	5.90	6.03	6.06	6.22	5.37	4.80	4.53	3.64	2.61	3.61	2.79
16	5.84	5.84	6.04	6.07	6.22	5.27	4.80	4.53	3.58	2.61	3.68	2.69
17	5.84	5.84	6.04	6.07	6.22	5.19	4.80	4.44	3.66	2.61	3.73	2.69
18	5.85	5.83	6.04	6.08	6.23	5.13	4.80	4.46	3.72	2.61	3.81	2.70
19	5.86	5.83	6.04	6.08	6.23	5.06	4.76	4.46	3.75	2.61	3.87	2.79
20	5.88	5.84	6.04	6.09	6.24	5.03	4.76	4.51	3.78	3.32	3.92	2.81
21	5.89	5.86	6.05	6.10	6.24	5.06	4.72	4.51	3.80	3.43	3.92	2.81
22	5.90	5.88	6.05	6.11	6.25	5.06	4.72	4.52	3.83	3.48	3.89	2.81
23	5.90	5.90	6.05	6.12	6.25	5.06	4.73	4.52	3.78	3.52	3.89	2.63
24	5.91	5.90	6.06	6.12	6.25	5.06	4.73	4.52	3.87	3.57	3.95	2.42
25	5.92	5.92	6.06	6.13	6.25	5.06	4.75	4.42	3.89	3.63	3.96	2.47
26	5.92	5.93	6.06	6.13	6.25	5.06	4.77	4.44	3.93	3.68	3.95	2.51
27	5.92	5.95	6.06	6.14	6.25	5.04	4.77	4.51	3.93	3.72	3.98	2.61
28	5.88	5.95	6.05	6.14	6.25	4.95	4.80	4.54	3.80	3.72	4.01	2.62
29	5.89	5.95	6.02	6.15	6.23	4.92	4.80	4.54	3.92	3.18	4.00	2.66
30	5.89	5.96	6.02	6.16	---	4.91	4.82	4.34	3.99	3.19	4.06	2.67
31	5.89	---	6.01	6.16	---	4.90	---	3.62	---	3.30	4.08	---

GROUND-WATER LEVELS

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SHEYENNE DELTA SITES--Continued

RANSOM COUNTY--Continued

462247097184901. Local number, 134-053-35BDAB2.

LOCATION.--Lat 46°22'47", long 097°18'49", Hydrologic Unit 09020204. Owner: U. S. Forest Service.

AQUIFER.--Sheyenne Delta.

WELL CHARACTERISTICS.--Drilled observation well, depth 20 ft, cased with 14 ft of 2-in diameter plastic pipe, No. 10 slot screen set 14 to 19 ft below land surface.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,077.93 ft. Measuring point: Top of casing 1.60 ft above land-surface datum.

PERIOD OF RECORD.--April 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 5.30 ft below land-surface datum, July 9, 2002; lowest water level, 8.80 ft below land-surface datum, October 1, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL
JUL 20, 2004	6.88

462248097185004. Local number, 134-053-35BDAB4.

LOCATION.--Lat 46°22'48", long 097°18'50", Hydrologic Unit 09020204. Owner: U. S. Forest Service.

AQUIFER.--Sheyenne Delta.

WELL CHARACTERISTICS.--Drilled observation well, depth 14 ft, cased with 8.5 ft of 2-in diameter plastic pipe, No. 10 slot screen set 8.5 to 13.5 ft below land surface.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,074.97 ft. Measuring point: Top of casing 1.99 ft above land-surface datum.

PERIOD OF RECORD.--April 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.40 ft below land-surface datum, September 7, 2004; lowest water level, 5.87 ft below land-surface datum, October 1, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 20, 2004	3.97	SEP 07, 2004	3.40

462248097185301. Local number, 134-053-35BDAB4.

LOCATION.--Lat 46°22'48", long 097°18'53", Hydrologic Unit 09020204. Owner: U. S. Forest Service.

AQUIFER.--Sheyenne Delta.

WELL CHARACTERISTICS.--Drilled observation well, depth 24 ft, cased with 17.6 ft of 2-in diameter plastic pipe, No. 10 slot screen set 17.6 to 22.6 ft below land surface.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,073.05 ft. Measuring point: Top of casing 1.96 ft above land-surface datum.

PERIOD OF RECORD.--April 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.48 ft below land-surface datum, April 29, 2002; lowest water level, 3.99 ft below land-surface datum, October 1, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL
JUL 20, 2004	2.12

GROUND-WATER LEVELS

SHEYENNE DELTA SITES--Continued

RANSOM COUNTY--Continued

462243097185201. Local number, 134-053-35BDBD.

LOCATION.--Lat 46°22'43", long 097°18'52", Hydrologic Unit 09020204. Owner: U. S. Forest Service.

AQUIFER.--Sheyenne Delta.

WELL CHARACTERISTICS.--Drilled observation well, depth 24 ft, cased with 18 ft of 2-in diameter plastic pipe, No. 10 slot screen set 18 to 23 ft below land surface.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,075.85 ft. Measuring point: Top of casing 1.59 ft above land-surface datum.

PERIOD OF RECORD.--April 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.13 ft below land-surface datum, April 29, 2002; lowest water level, 6.83 ft below land-surface datum, October 1, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL
JUL 20, 2004	4.71

462653097243901. Local number, 134-054-01DABC.

LOCATION.--Lat 46°26'53", long 097°24'39", Hydrologic Unit 09020204. Owner: U. S. Forest Service.

AQUIFER.--Sheyenne Delta.

WELL CHARACTERISTICS.--Drilled observation well, depth 24 ft, cased with 18.1 ft of 2-in diameter plastic pipe, No. 10 slot screen set 18.1 to 23.1 ft below land surface.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,073.54 ft. Measuring point: Top of casing 1.57 ft above land-surface datum.

PERIOD OF RECORD.--November 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 5.75 ft below land-surface datum, April 29, 2002; lowest water level, 8.23 ft below land-surface datum, October 1, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 06, 2004	7.86	JUL 20, 2004	7.58

462651097243901. Local number, 134-054-01DACB.

LOCATION.--Lat 46°26'51", long 097°24'39", Hydrologic Unit 09020204. Owner: U. S. Forest Service.

AQUIFER.--Sheyenne Delta.

WELL CHARACTERISTICS.--Drilled observation well, depth 24 ft, cased with 16.8 ft of 2-in diameter plastic pipe, No. 10 slot screen set 16.8 to 21.8 ft below land surface.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,071.98 ft. Measuring point: Top of casing 2.09 ft above land-surface datum.

PERIOD OF RECORD.--November 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.11 ft below land-surface datum, April 29, 2002; lowest water level, 6.65 ft below land-surface datum, October 1, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 06, 2004	6.23	JUL 20, 2004	6.00	SEP 07, 2004	5.68

SHEYENNE DELTA SITES--Continued

RANSOM COUNTY--Continued

462653097244301. Local number, 134-054-01DBAD.

LOCATION.--Lat 46°26'53", long 097°24'43", Hydrologic Unit 09020204. Owner: U. S. Forest Service.

AQUIFER.--Sheyenne Delta.

WELL CHARACTERISTICS.--Drilled observation well, depth 24 ft, cased with 17.8 ft of 2-in diameter plastic pipe, No. 10 slot screen set 17.8 to 22.8 ft below land surface.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,071.9 ft. Measuring point: Top of casing 1.89 ft above land-surface datum.

PERIOD OF RECORD.--November 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.15 ft below land-surface datum, April 29, 2002; lowest water level, 6.73 ft below land-surface datum, October 1, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 06, 2004	6.29	JUL 20, 2004	6.03

GROUND-WATER LEVELS

SHEYENNE DELTA SITES--Continued

RANSOM COUNTY--Continued

462832097242101. Local number, 135-053-30CBCC.

LOCATION.--Lat 46°28'32", long 097°24'21", Hydrologic Unit 09020204. Owner: U. S. Forest Service.

AQUIFER.--Sheyenne Delta.

WELL CHARACTERISTICS.--Drilled observation well, depth 32 ft, cased with 25.4 ft of 3-in diameter plastic pipe, No. 10 slot screen set 25.4 to 30.4 ft below land surface.

INSTRUMENTATION.--Water-level recorder. From May 2002 to current year, daily maximum and minimum recorded water levels also are available.

DATUM.--Altitude of land-surface datum is 1,068.38 ft. Measuring point: Top of casing 1.96 ft above land-surface datum.

PERIOD OF RECORD.--November 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 5.84 ft below land-surface datum, April 30, 2002; lowest water level, 8.10 ft below land-surface datum, November 21, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.33	8.41	8.53	8.62	8.62	8.89	7.78	7.86	7.07	7.45	7.90	8.26
2	8.33	8.42	8.53	8.62	8.62	8.80	7.77	7.87	6.89	7.47	7.92	8.27
3	8.33	8.42	8.53	8.62	8.62	8.74	7.76	7.87	6.80	7.50	7.94	8.29
4	8.34	8.42	8.53	8.62	8.62	8.69	7.75	7.89	6.75	7.46	7.97	8.29
5	8.34	8.43	8.53	8.62	8.62	8.69	7.74	7.91	6.71	7.47	7.99	7.98
6	8.35	8.43	8.53	8.62	8.62	8.69	7.74	7.94	6.70	7.44	8.01	7.86
7	8.35	8.44	8.53	8.62	8.62	8.69	7.73	7.95	6.74	7.16	7.73	7.82
8	8.35	8.45	8.53	8.62	8.62	8.69	7.72	7.95	6.79	7.18	7.75	7.80
9	8.38	8.45	8.53	8.62	8.62	8.65	7.72	7.97	6.82	7.24	7.78	7.72
10	8.38	8.45	8.53	8.62	8.62	8.47	7.73	7.99	6.82	7.30	7.80	7.72
11	8.38	8.45	8.53	8.62	8.62	8.33	7.73	7.99	6.86	7.29	7.83	7.73
12	8.29	8.44	8.53	8.62	8.62	8.34	7.73	7.78	6.91	7.28	7.87	7.73
13	8.30	8.44	8.53	8.62	8.62	8.34	7.73	7.69	6.97	7.35	7.91	7.74
14	8.31	8.44	8.53	8.62	8.62	8.33	7.73	7.69	7.01	7.40	7.97	7.76
15	8.33	8.44	8.53	8.62	8.62	8.33	7.73	7.69	7.01	7.45	7.99	7.76
16	8.36	8.44	8.53	8.62	8.62	8.33	7.74	7.68	7.02	7.50	8.00	7.68
17	8.36	8.44	8.53	8.62	8.62	8.34	7.75	7.67	7.08	7.52	8.02	7.67
18	8.36	8.45	8.53	8.62	8.62	8.33	7.75	7.66	7.12	7.56	8.06	7.67
19	8.36	8.46	8.53	8.62	8.62	8.12	7.76	7.66	7.14	7.58	8.09	7.67
20	8.38	8.47	8.53	8.62	8.62	8.01	7.75	7.68	7.17	7.61	8.11	7.68
21	8.39	8.47	8.53	8.62	8.62	7.98	7.74	7.69	7.21	7.66	8.12	7.68
22	8.40	8.48	8.53	8.62	8.62	7.96	7.75	7.70	7.24	7.68	8.10	7.68
23	8.40	8.49	8.53	8.62	8.62	7.95	7.76	7.72	7.24	7.71	8.12	7.64
24	8.40	8.50	8.53	8.62	8.62	7.94	7.76	7.72	7.28	7.74	8.13	7.52
25	8.40	8.50	8.53	8.62	8.62	7.94	7.77	7.68	7.32	7.77	8.15	7.47
26	8.40	8.51	8.53	8.62	8.62	7.94	7.78	7.67	7.34	7.80	8.16	7.42
27	8.40	8.51	8.62	8.62	8.90	7.93	7.79	7.71	7.35	7.82	8.20	7.38
28	8.39	8.51	8.62	8.62	8.90	7.85	7.80	7.73	7.35	7.82	8.20	7.36
29	8.40	8.51	8.62	8.62	8.90	7.81	7.82	7.73	7.38	7.81	8.21	7.34
30	8.40	8.53	8.62	8.62	---	7.80	7.84	7.70	7.42	7.84	8.22	7.31
31	8.41	---	8.62	8.62	---	7.78	---	7.34	---	7.87	8.24	---

GROUND-WATER LEVELS

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SHEYENNE DELTA SITES--Continued

RANSOM COUNTY--Continued

462826097241101. Local number, 135-053-30CCAC.

LOCATION.--Lat 46°28'26", long 097°24'11", Hydrologic Unit 09020204. Owner: U. S. Forest Service.

AQUIFER.--Sheyenne Delta.

WELL CHARACTERISTICS.--Drilled observation well, depth 24 ft, cased with 18.6 ft of 2-in diameter plastic pipe, No. 10 slot screen set 18.6 to 23.6 ft below land surface.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,071.01 ft. Measuring point: Top of casing 1.20 ft above land-surface datum.

PERIOD OF RECORD.--November 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.11 ft below land-surface datum, April 30, 2002; lowest water level, 10.37 ft below land-surface datum, November 21, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL
JUL 20, 2004	9.89

462827097241801. Local number, 135-053-30CCBA1.

LOCATION.--Lat 46°28'27", long 097°24'18", Hydrologic Unit 09020204. Owner: U. S. Forest Service.

AQUIFER.--Sheyenne Delta.

WELL CHARACTERISTICS.--Drilled observation well, depth 24 ft, cased with 17.8 ft of 2-in diameter plastic pipe, No. 10 slot screen set 17.8 to 22.8 ft below land surface.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,070.78 ft. Measuring point: Top of casing 1.83 ft above land-surface datum.

PERIOD OF RECORD.--November 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.77 ft below land-surface datum, April 30, 2002; lowest water level, 10.05 ft below land-surface datum, November 21, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL
JUL 20, 2004	9.59

462828097241401. Local number, 135-053-30CCBA2.

LOCATION.--Lat 46°28'28", long 097°24'14", Hydrologic Unit 09020204. Owner: U. S. Forest Service.

AQUIFER.--Sheyenne Delta.

WELL CHARACTERISTICS.--Drilled observation well, depth 24 ft, cased with 18.3 ft of 2-in diameter plastic pipe, No. 10 slot screen set 18.3 to 23.3 ft below land surface.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,072.43 ft. Measuring point: Top of casing 1.45 ft above land-surface datum.

PERIOD OF RECORD.--November 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 9.61 ft below land-surface datum, April 30, 2002; lowest water level, 11.87 ft below land-surface datum, November 21, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL
JUL 20, 2004	11.39

GROUND-WATER LEVELS

SHEYENNE DELTA SITES--Continued

RANSOM COUNTY--Continued

462830097242001. Local number, 134-053-30CCBB1.

LOCATION.--Lat 46°28'30", long 097°24'20", Hydrologic Unit 09020204. Owner: U. S. Forest Service.

AQUIFER.--Sheyenne Delta.

WELL CHARACTERISTICS.--Drilled observation well, depth 24 ft, cased with 18.4 ft of 2-in diameter plastic pipe, No. 10 slot screen set 18.4 to 23.4 ft below land surface.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,064.68 ft. Measuring point: Top of casing 1.56 ft above land-surface datum.

PERIOD OF RECORD.--November 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.96 ft below land-surface datum, April 30, 2002; lowest water level, 4.20 ft below land-surface datum, November 21, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL
JUL 20, 2004	3.72

462828097242301. Local number, 134-053-30CCBB2.

LOCATION.--Lat 46°28'28", long 097°24'23", Hydrologic Unit 09020204. Owner: U. S. Forest Service.

AQUIFER.--Sheyenne Delta.

WELL CHARACTERISTICS.--Drilled observation well, depth 24 ft, cased with 17.9 ft of 2-in diameter plastic pipe, No. 10 slot screen set 17.9 to 22.9 ft below land surface.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,068.06 ft. Measuring point: Top of casing 1.76 ft above land-surface datum.

PERIOD OF RECORD.--November 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 5.16 ft below land-surface datum, April 30, 2002; lowest water level, 7.44 ft below land-surface datum, November 21, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 20, 2004	6.97	SEP 08, 2004	7.06

462824097241801. Local number, 134-053-30CCBD.

LOCATION.--Lat 46°28'24", long 097°24'18", Hydrologic Unit 09020204. Owner: U. S. Forest Service.

AQUIFER.--Sheyenne Delta.

WELL CHARACTERISTICS.--Drilled observation well, depth 24 ft, cased with 18 ft of 2-in diameter plastic pipe, No. 10 slot screen set 18 to 23 ft below land surface.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,068.77 ft. Measuring point: Top of casing 1.81 ft above land-surface datum.

PERIOD OF RECORD.--November 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 5.54 ft below land-surface datum, April 30, 2002; lowest water level, 7.85 ft below land-surface datum, November 21, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL
JUL 20, 2004	7.41

SHEYENNE DELTA SITES--Continued

RICHLAND COUNTY

462303097124401. Local number, 134-052-27CDCC.

LOCATION.--Lat 46°23'03", long 097°12'44", Hydrologic Unit 09020204. Owner: U. S. Forest Service.

AQUIFER.--Sheyenne Delta.

WELL CHARACTERISTICS.--Drilled observation well, depth 24 ft, cased with 14.6 ft of 2-in diameter plastic pipe, No. 10 slot screen set 14.6 to 19.6 ft below land surface.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,075.26 ft. Measuring point: Top of casing 1.12 ft above land-surface datum.

PERIOD OF RECORD.--November 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.02 ft below land-surface datum, April 29, 2002; lowest water level, 8.14 ft below land-surface datum, October 1, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 06, 2004	7.11	JUL 20, 2004	5.59

462259097124001. Local number, 134-052-34BABA.

LOCATION.--Lat 46°22'59", long 097°12'40", Hydrologic Unit 09020204. Owner: U. S. Forest Service.

AQUIFER.--Sheyenne Delta.

WELL CHARACTERISTICS.--Drilled observation well, depth 24 ft, cased with 18.6 ft of 2-in diameter plastic pipe, No. 10 slot screen set 18.6 to 23.6 ft below land surface.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,077.39 ft. Measuring point: Top of casing 0.56 ft above land-surface datum.

PERIOD OF RECORD.--November 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 5.51 ft below land-surface datum, April 29, 2002; lowest water level, 9.52 ft below land-surface datum, October 1, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 06, 2004	8.55	JUL 20, 2004	6.98	AUG 30, 2004	7.84

462257097124501. Local number, 134-052-34BABC.

LOCATION.--Lat 46°22'57", long 097°12'45", Hydrologic Unit 09020204. Owner: U. S. Forest Service.

AQUIFER.--Sheyenne Delta.

WELL CHARACTERISTICS.--Drilled observation well, depth 24 ft, cased with 18.7 ft of 2-in diameter plastic pipe, No. 10 slot screen set 18.7 to 23.7 ft below land surface.

INSTRUMENTATION.--Measured using an electric tape.

DATUM.--Altitude of land-surface datum is 1,077.94 ft. Measuring point: Top of casing 0.98 ft above land-surface datum.

PERIOD OF RECORD.--November 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.77 ft below land-surface datum, April 29, 2002; lowest water level, 10.36 ft below land-surface datum, October 1, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEARS OCTOBER 2003 TO SEPTEMBER 2004

DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 06, 2004	9.46	JUL 20, 2004	7.81

GROUND-WATER QUALITY

NETWORK SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

County	Station number	Local ident- ifier	Geo- logic unit	Date	Time	Depth of well, feet below LSD (72008)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)
Benson	482212099475801	156-071-04BBA	112PLLK	07-13-04	1445	58	6.9	7.8
Burleigh	464540100222101	138-077-22AAD	112MCKZ	07-06-04	1200	126	7.2	7.6
Cass	471326097332902	143-054-08BBB2	112PAGE	07-14-04	1630	86	6.8	7.3
Cavalier	484534098254401	161-060-21BBB	211PIRR	07-22-04	1130	40	7.0	7.4
Divide	484746104015901	161-103-02CCB	112SKJL	06-23-04	1828	96	--	8.0
Foster	473051099093601	147-067-35AAA	112CRNG	07-12-04	1530	87.7	6.8	7.0
Griggs	472412098261201	145-061-04DAD1	112SPRD	07-12-04	1700	107	6.3	7.5
LaMoure	462447098432602	134-064-22BBB2	112EDGL	06-07-04	1843	32	--	7.5
Logan	463417099271002	136-070-26BBB2	112STRR	10-09-03	1345	43	7.6	7.6
Logan	463417099271002	136-070-26BBB2	112STRR	07-09-04	1045	43	6.8	7.6
McHenry	480913100372501	154-077-18CCC	112NRKF	07-08-04	1030	178	7.1	7.7
McIntosh	461446099312801	132-071-14DDD1	112WSHK	09-08-04	1000	121	--	8.3
McLean	474026100583201	148-081-03AAB	112HRVL	05-17-04	2005	40	--	7.5
McLean	474026100583201	148-081-03AAB	112HRVL	07-08-04	1230	40	6.6	7.1
Nelson	480138098074101	153-058-32DBB	211PIRR	07-14-04	1030	120	8.2	8.3
Pierce	482033099594901	156-073-12CCC	211FXHL	07-13-04	1645	77	8.1	8.6
Ramsey	481929098392601	156-062-20BBB	211PIRR	07-21-04	1430	58	7.5	7.9
Ranson	461838097553402	133-058-25BBA2	2112EGLV	07-15-04	1515	34	6.9	7.4
Richland	462425096441202	134-048-20ADD2	112CLFX	07-15-04	1000	135	7.1	7.7
Richland	463422097115602	136-052-22DDD2	112SNDL	07-15-04	1200	42	6.8	7.4
Sargent	460120097591803	129-058-06AAA3	112OKES	07-15-04	1720	57	7.0	7.6
Steele	472024097315201	145-054-27CDC	217DKOT	07-13-04	1610	660	--	7.8
Stutsman	465243098284801	139-062-02CCC	112SPRD	07-16-04	0930	210	7.3	7.9
Towner	482908099134601	158-066-30BBB	112SPRD	07-13-04	1230	213	7.0	7.6
Walsh	481841097490301	156-056-22DDD	112FDVL	07-14-04	1330	57	6.9	7.5
Williams	483127103373102	158-100-08DAA2	112LLMD	07-07-04	1400	78	7.1	7.3

Local ident- ifier	Date	Specif. conduc- tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Noncarb hard- ness, wat flt lab, mg/L as CaCO3 (00905)	Noncarb hard- ness, water, mg/L as CaCO3 (95902)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium adsorp- tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)
156-071-04BBA	07-13-04	405	422	9.0	200	.0	54.9	14.1	2.10	.1	4.20
138-077-22AAD	07-06-04	1540	1530	11.0	250	.0	51.0	29.7	6.70	8	275
143-054-08BBB2	07-14-04	1040	1030	9.5	480	130	133	36.3	8.50	.7	34.4
161-060-21BBB	07-22-04	689	660	10.0	240	.0	51.9	27.4	2.90	1	46.0
161-103-02CCB	06-23-04	982	--	--	250	.0	60.4	23.9	4.70	4	134
147-067-35AAA	07-12-04	1500	1480	9.0	600	140	155	52.7	10.7	2	102
145-061-04DAD1	07-12-04	1500	1490	10.8	300	.0	79.9	23.1	7.90	6	240
134-064-22BBB2	06-07-04	1500	--	--	680	380	167	63.9	3.90	1	73.4
136-070-26BBB2	10-09-03	811	830	--	410	140	95.0	42.6	6.20	.9	43.1
136-070-26BBB2	07-09-04	835	869	9.7	360	66	82.7	36.8	5.50	.9	37.6
154-077-18CCC	07-08-04	585	602	8.9	220	.0	60.0	15.7	5.30	1	41.9
132-071-14DDD1	09-08-04	520	--	--	150	.0	27.3	19.1	8.30	2	61.7
148-081-03AAB	05-17-04	892	--	--	410	.0	101	39.2	5.30	.6	27.0
148-081-03AAB	07-08-04	901	910	9.0	430	4	106	41.0	5.60	.6	27.7
153-058-32DBB	07-14-04	2150	2040	8.3	28	.0	6.81	2.60	6.10	39	475
156-073-12CCC	07-13-04	1460	1420	9.3	9	.0	<2.00	<1.00	2.60	52	360
156-062-20BBB	07-21-04	1170	1120	10.0	66	.0	16.2	6.30	5.30	14	255
133-058-25BBA2	07-15-04	1060	1060	10.0	520	250	140	41.6	4.80	.5	25.7
134-048-20ADD2	07-15-04	1840	1800	11.2	410	82	76.3	53.2	7.70	5	255
136-052-22DDD2	07-15-04	590	588	12.5	300	.0	81.0	23.0	3.50	.1	5.20
129-058-06AAA3	07-15-04	664	660	12.0	330	97	92.4	24.7	3.70	.1	5.10
145-054-27CDC	07-13-04	527	--	--	160	96	61.2	1.80	11.7	1	35.9
139-062-02CCC	07-16-04	1100	1000	11.2	170	.0	44.4	14.2	7.40	6	180
158-066-30BBB	07-13-04	2770	2770	8.0	480	8	113	48.6	16.8	10	480
156-056-22DDD	07-14-04	789	780	10.2	340	59	88.1	29.6	3.70	.8	34.9
158-100-08DAA2	07-07-04	2360	243	9.9	580	.0	127	62.8	8.70	7	367

NETWORK SITES--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Local ident- ifier	Date	Sodium, percent (00932)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Bicar- bonate, wat unf fixed end pt, lab, mg/L (95440)	Carbon- ate, wat unf fixed end pt, lab, mg/L (95445)	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)	Arsenic water, fltrd, ug/L (01000)
156-071-04BBA	07-13-04	4	194	237	<1	.7	.15	23.2	25.1	220	11.5
138-077-22AAD	07-06-04	70	642	783	<1	22.7	.37	24.9	203	976	6.1
143-054-08BBB2	07-14-04	13	347	423	<1	3.5	.13	26.8	243	669	8.8
161-060-21BBB	07-22-04	29	265	324	<1	26.7	.18	25.6	58.3	375	<1.0
161-103-02CCB	06-23-04	53	410	500	<1	19.3	.35	26.9	109	600	--
147-067-35AAA	07-12-04	26	459	560	<1	53.2	.20	33.8	332	983	16.7
145-061-04DAD1	07-12-04	63	615	750	<1	47.8	.25	24.8	162	932	16.8
134-064-22BBB2	06-07-04	19	296	361	<1	48.6	.06	22.5	513	1050	--
136-070-26BBB2	10-09-03	18	276	337	<1	14.1	.14	29.4	166	535	--
136-070-26BBB2	07-09-04	18	291	355	<1	14.3	.14	28.3	161	515	4.9
154-077-18CCC	07-08-04	29	311	380	<1	3.2	.29	25.1	8.7	324	7.3
132-071-14DDD1	09-08-04	46	286	336	6	5.3	.16	16.5	2.1	297	--
148-081-03AAB	05-17-04	12	421	513	<1	3.2	.13	22.5	88.3	519	--
148-081-03AAB	07-08-04	12	429	523	<1	3.1	.12	22.0	86.4	529	<1.0
153-058-32DBB	07-14-04	97	465	561	3	208	.86	26.5	337	1320	<1.0
156-073-12CCC	07-13-04	98	604	701	17	30.2	.88	42.1	141	900	1.4
156-062-20BBB	07-21-04	88	502	613	<1	1.6	.35	24.8	127	715	<1.0
133-058-25BBA2	07-15-04	10	274	334	<1	12.1	.13	29.4	314	705	7.1
134-048-20ADD2	07-15-04	57	327	399	<1	135	1.23	29.0	461	1190	1.2
136-052-22DDD2	07-15-04	4	303	370	<1	1.7	.23	29.4	22.8	321	12.1
129-058-06AAA3	07-15-04	3	235	286	<1	21.4	.14	30.8	100	390	15.4
145-054-27CDC	07-13-04	31	63	77	<1	9.8	.20	3.30	179	340	--
139-062-02CCC	07-16-04	68	383	467	<1	35.5	.26	24.0	159	673	7.9
158-066-30BBB	07-13-04	67	473	578	<1	139	.18	29.6	861	1950	5.4
156-056-22DDD	07-14-04	18	282	344	<1	11.5	.24	26.8	143	482	9.1
158-100-08DAA2	07-07-04	58	687	838	<1	9.4	.47	27.9	687	1680	25.3

Local ident- ifier	Date	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Mangan- ese, water, fltrd, ug/L (01056)	Mercury water, fltrd, ug/L (71890)	Molyb- denum, water, fltrd, ug/L (01060)	Selen- ium, water, fltrd, ug/L (01145)	Stront- ium, water, fltrd, ug/L (01080)
156-071-04BBA	07-13-04	100	<1	10	260	<.20	2	<1	150
138-077-22AAD	07-06-04	1450	<1	110	230	<.20	5	2	550
143-054-08BBB2	07-14-04	1640	<1	90	1390	<.20	3	<1	700
161-060-21BBB	07-22-04	30	<1	40	<10	<.20	1	2	340
161-103-02CCB	06-23-04	2950	--	--	170	--	--	--	--
147-067-35AAA	07-12-04	7120	<1	90	500	<.20	<1	2	880
145-061-04DAD1	07-12-04	2690	<1	60	850	<.20	7	2	550
134-064-22BBB2	06-07-04	2870	--	--	680	--	--	--	--
136-070-26BBB2	10-09-03	3100	--	--	740	--	--	--	--
136-070-26BBB2	07-09-04	1810	<1	50	630	<.20	<1	<1	250
154-077-18CCC	07-08-04	2290	<1	40	190	<.20	6	1	410
132-071-14DDD1	09-08-04	40	--	--	200	--	--	--	--
148-081-03AAB	05-17-04	2140	--	--	380	--	--	--	--
148-081-03AAB	07-08-04	2420	<1	80	390	<.20	<1	<1	980
153-058-32DBB	07-14-04	20	<1	130	40	<.20	7	3	130
156-073-12CCC	07-13-04	40	<1.00	90	40	<.20	11	1	30
156-062-20BBB	07-21-04	10	1	120	80	<.20	3	<1	200
133-058-25BBA2	07-15-04	4490	<1	30	940	<.20	2	<1	560
134-048-20ADD2	07-15-04	1240	<1	120	120	<.20	7	4	530
136-052-22DDD2	07-15-04	3310	<1	10	550	<.20	3	<1	300
129-058-06AAA3	07-15-04	850	<1	20	560	<.20	2	<1	310
145-054-27CDC	07-13-04	<10	--	--	20	--	--	--	--
139-062-02CCC	07-16-04	410	<1	80	720	<.20	4	<1	390
158-066-30BBB	07-13-04	1550	<1	240	140	<.20	2	5	1100
156-056-22DDD	07-14-04	440	<1	40	510	<.20	1	<1	330
158-100-08DAA2	07-07-04	5610	<1	90	280	<.20	4	4	1140

Remark codes used in this table:
< -- Less than

GROUND-WATER QUALITY

SHEYENNE DELTA SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Local identifier	Date	Time	Depth of well, feet below LSD (72008)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unfltrd lab, uS/cm 25 degC (90095)
462211097103401	133-052-01BBB1	09-07-04	1230	15.97	7.6	7.7	280
462117097130401	133-052-03CCC1	08-30-04	1540	12.18	7.1	7.4	466
461934097173001	133-053-13DCC1	08-31-04	1330	11.31	7.6	7.4	882
462447097142101	134-052-17DDD1	08-30-04	1430	11.39	--	--	--
462259097124001	134-052-34BABA	08-30-04	1730	23.63	--	--	--
462628097180701	134-053-11AAA1	09-01-04	0945	16.05	7.5	7.4	368
462214097215101	134-053-32DDD1	08-31-04	1515	11.19	7.5	7.5	476
462248097185004	134-053-35BDAB4	09-07-04	1415	13.53	--	--	--
462651097243901	134-054-01DACB	09-07-04	1630	21.76	--	--	--
462627097281001	134-054-04AAA1	08-31-04	0915	15.43	7.3	7.6	388
462540097265501	134-054-14BBB1	08-31-04	1015	12.08	7.4	7.4	591
462355097280701	134-054-27BBB1	08-31-04	1130	10.79	7.5	7.4	832
463124097121101	135-052-10ACDA1	09-01-04	1230	7.78	7.5	7.4	467
462907097142201	135-052-20DDD1	09-01-04	1015	11.88	--	--	--
462908097215101	135-053-28BBB1	09-01-04	1530	11.39	--	--	--
462828097242301	135-053-30CCBB2	09-08-04	1230	22.94	--	--	--
462748097203501	135-053-34CBB1	08-30-04	1325	11.98	--	--	--
463147097253701	135-054-01CCC1	09-08-04	1030	10.51	7.4	7.5	417
463419097185001	136-053-26BAB1	09-01-04	1400	10.66	7.7	7.6	427

Local identifier	Date	Specif. conductance, wat unfltrd lab, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)
133-052-01BBB1	09-07-04	293	12.6	38.2	13.0	.17	2.38	144	1.29	.2	24.1
133-052-03CCC1	08-30-04	510	12.5	61.0	24.0	1.86	12.1	261	1.33	.8	28.0
133-053-13DCC1	08-31-04	985	13.5	73.3	62.8	5.02	59.6	346	10.9	.5	27.4
134-052-17DDD1	08-30-04	--	--	--	--	--	--	--	--	--	--
134-052-34BABA	08-30-04	--	--	--	--	--	--	--	--	--	--
134-053-11AAA1	09-01-04	387	13.3	52.8	16.4	1.09	2.52	186	.88	.2	24.0
134-053-32DDD1	08-31-04	515	15.5	82.1	16.8	.31	3.43	169	.87	.2	26.4
134-053-35BDAB4	09-07-04	--	--	--	--	--	--	--	--	--	--
134-054-01DACB	09-07-04	--	--	--	--	--	--	--	--	--	--
134-054-04AAA1	08-31-04	445	12.5	62.7	17.7	1.34	1.50	185	.48	<.2	23.5
134-054-14BBB1	08-31-04	655	14.5	91.1	31.1	11.1	9.39	212	4.29	.3	28.1
134-054-27BBB1	08-31-04	932	13.5	117	43.6	4.14	20.3	302	35.8	.2	29.0
135-052-10ACDA1	09-01-04	518	14.5	74.5	24.1	1.25	1.72	275	1.49	.3	29.9
135-052-20DDD1	09-01-04	--	--	--	--	--	--	--	--	--	--
135-053-28BBB1	09-01-04	--	--	--	--	--	--	--	--	--	--
135-053-30CCBB2	09-08-04	--	--	--	--	--	--	--	--	--	--
135-053-34CBB1	08-30-04	--	--	--	--	--	--	--	--	--	--
135-054-01CCC1	09-08-04	438	12.2	68.5	13.5	.55	2.80	228	.73	.2	27.1
136-053-26BAB1	09-01-04	463	14.5	72.0	15.8	<.16	1.18	191	.92	.2	18.5

GROUND-WATER QUALITY

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SHEYENNE DELTA SITES--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Local ident- ifier	Date	Sulfate water, fltrd, mg/L (00945)	Residue	Ammonia	Nitrite		Ortho-	Phos-	Iron,	Mangan-	
			on evap. at 180degC wat flt mg/L (70300)	+ org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	+ nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	phos- phate, water, fltrd, mg/L as P (00671)	phorus, water, unfltrd mg/L (00665)	water, fltrd, ug/L (01046)	ese, water, fltrd, ug/L (01056)
133-052-01BBB1	09-07-04	2.9	189	<.10	<.04	1.73	.017	<.02	<.04	<6	25.9
133-052-03CCC1	08-30-04	17.5	303	E.07	--	--	--	--	E.02	437	588
133-053-13DCC1	08-31-04	101	602	.36	E.04	<.06	<.008	<.02	<.04	365	484
134-052-17DDD1	08-30-04	--	--	--	--	--	--	--	--	--	--
134-052-34BABA	08-30-04	--	--	--	--	--	--	--	--	--	--
134-053-11AAA1	09-01-04	14.4	220	E.07	<.04	1.50	.023	.03	E.04	26	760
134-053-32DDD1	08-31-04	3.5	301	E.10	<.04	<.06	<.008	<.02	<.04	<6	167
134-053-35BDAB4	09-07-04	--	--	--	--	--	--	--	--	--	--
134-054-01DACB	09-07-04	--	--	--	--	--	--	--	--	--	--
134-054-04AAA1	08-31-04	15.9	258	E.08	<.04	2.07	.009	<.02	<.04	E6	376
134-054-14BBB1	08-31-04	26.0	378	.32	<.04	<.06	<.008	<.02	E.03	1420	960
134-054-27BBB1	08-31-04	157	609	.25	.06	<.06	<.008	<.02	.04	1940	620
135-052-10ACDA1	09-01-04	5.8	327	.86	<.04	E.04	<.008	<.02	<.04	<6	71.7
135-052-20DDD1	09-01-04	--	--	--	--	--	--	--	--	--	--
135-053-28BBB1	09-01-04	--	--	--	--	--	--	--	--	--	--
135-053-30CCBB2	09-08-04	--	--	--	--	--	--	--	--	--	--
135-053-34CBB1	08-30-04	--	--	--	--	--	--	--	--	--	--
135-054-01CCC1	09-08-04	6.8	268	.14	<.04	.07	<.008	.07	.10	53	150
136-053-26BAB1	09-01-04	7.0	266	.13	<.04	4.18	<.008	<.02	<.04	<6	1.9
Local ident- ifier	Date	2,4,5-T	2,4-D	2,6-Di-		CIAT,		CEAT,	OIET,	3-	3-Keto-
		surrog, water, fltrd, percent recovrvy (99958)	methyl ester, water, fltrd, ug/L (50470)	2,4-D water, fltrd, ug/L (39732)	ethyl- aniline water, fltrd 0.7u GF ug/L (38746)	2,4-DB water, fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	OIET, water, fltrd, ug/L (50355)	Hydroxy carbo- furan, wat flt ug/L (49308)	carbo- furan, water, fltrd, ug/L (50295)
133-052-01BBB1	09-07-04	75.1	<.009	<.02	<.02	<.006	<.006	<.01	<.008	<.006	<.014
133-052-03CCC1	08-30-04	101	<.009	<.02	<.02	<.006	<.006	<.01	<.008	<.006	<.014
133-053-13DCC1	08-31-04	110	<.009	<.02	<.02	<.006	<.006	<.01	<.008	<.006	<.014
134-052-17DDD1	08-30-04	117	<.009	<.02	<.02	<.006	<.006	<.01	E.009	<.006	<.014
134-052-34BABA	08-30-04	102	<.009	<.02	<.02	<.006	<.006	<.01	<.008	<.006	<.014
134-053-11AAA1	09-01-04	103	<.009	<.02	<.02	<.006	<.006	<.01	<.008	<.006	<.014
134-053-32DDD1	08-31-04	104	<.009	<.02	<.02	<.006	<.006	<.01	<.008	<.006	<.014
134-053-35BDAB4	09-07-04	104	<.009	<.02	<.02	<.006	<.006	<.01	<.008	<.006	<.014
134-054-01DACB	09-07-04	104	<.009	<.02	<.02	<.006	<.006	<.01	<.008	<.006	<.014
134-054-04AAA1	08-31-04	102	<.009	<.02	<.02	<.006	<.006	<.01	<.008	<.006	<.014
134-054-14BBB1	08-31-04	100	<.009	<.02	<.02	<.006	<.006	<.01	<.008	<.006	<.014
134-054-27BBB1	08-31-04	120	<.009	<.02	<.02	<.006	<.006	<.01	<.008	<.006	<.014
135-052-10ACDA1	09-01-04	77.3	<.009	<.02	<.02	<.006	<.006	<.01	<.008	<.006	<.014
135-052-20DDD1	09-01-04	109	<.009	<.02	<.02	<.006	E.004	<.01	<.008	<.006	<.014
135-053-28BBB1	09-01-04	99.5	<.009	<.02	<.02	<.006	<.006	<.01	<.008	<.006	<.014
135-053-30CCBB2	09-08-04	91.4	<.009	<.02	<.02	<.006	<.006	<.01	<.008	<.006	<.014
135-053-34CBB1	08-30-04	81.8	<.009	<.02	<.02	<.006	<.006	<.01	<.008	<.006	<.014
135-054-01CCC1	09-08-04	82.4	<.009	<.02	<.02	<.006	<.006	<.01	<.008	<.006	<.014
136-053-26BAB1	09-01-04	95.9	<.009	<.02	<.02	<.006	<.006	<.01	<.008	<.006	<.014

GROUND-WATER QUALITY

SHEYENNE DELTA SITES--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Local ident- ifier	Date	Aceto-	Aci-	Ala-	Aldi-	Aldi-	Aldi-	alpha-	alpha-	Azin-	
		chlor, water, fltrd, ug/L (49260)	fluor- fen, water, fltrd, 0.7u GF ug/L (49315)	chlor, water, fltrd, ug/L (46342)	carb sulfone water, fltrd, 0.7u GF ug/L (49313)	carb sulf- oxide, wat flt ug/L (49314)	carb, water, fltrd, ug/L (49312)	HCH, water, fltrd, ug/L (34253)	HCH-d6, surrog, wat flt 0.7u GF percent recovery (91065)	Atra- zine, water, fltrd, ug/L (39632)	phos- methyl, water, fltrd, 0.7u GF ug/L (82686)
133-052-01BBB1	09-07-04	<.006	<.007	<.005	<.02	<.008	<.04	<.005	88.0	<.007	<.050
133-052-03CCC1	08-30-04	<.006	<.007	<.005	<.02	<.008	<.04	<.005	90.4	<.007	<.050
133-053-13DCC1	08-31-04	<.006	<.007	<.005	<.02	<.008	<.04	<.005	98.7	<.007	<.050
134-052-17DDD1	08-30-04	<.006	<.007	<.005	<.02	<.008	<.04	<.005	101	<.007	<.050
134-052-34BABA	08-30-04	<.006	<.007	<.005	<.02	<.008	<.04	<.005	95.1	<.007	<.050
134-053-11AAA1	09-01-04	<.006	<.007	<.005	<.02	<.008	<.04	<.005	85.1	<.007	<.050
134-053-32DDD1	08-31-04	<.006	<.007	<.005	<.02	<.008	<.04	<.005	95.4	<.007	<.050
134-053-35BDAB4	09-07-04	<.006	<.007	<.005	<.02	<.008	<.04	<.005	86.6	<.007	<.050
134-054-01DACB	09-07-04	<.006	<.007	<.005	<.02	<.008	<.04	<.005	88.5	<.007	<.050
134-054-04AAA1	08-31-04	<.006	<.007	<.005	<.02	<.008	<.04	<.005	94.7	<.007	<.050
134-054-14BBB1	08-31-04	<.006	<.007	<.005	<.02	<.008	<.04	<.005	96.6	<.007	<.050
134-054-27BBB1	08-31-04	<.006	<.007	<.005	<.02	<.008	<.04	<.005	99.5	<.007	<.050
135-052-10ACDA1	09-01-04	<.006	<.007	<.005	<.02	<.008	<.04	<.005	88.0	<.007	<.050
135-052-20DDD1	09-01-04	<.006	<.007	<.005	<.02	<.008	<.04	<.005	83.7	<.007	<.050
135-053-28BBB1	09-01-04	<.006	<.007	<.005	<.02	<.008	<.04	<.005	94.1	<.007	<.050
135-053-30CCBB2	09-08-04	<.006	<.007	<.005	<.02	<.008	<.04	<.005	88.0	<.007	<.050
135-053-34CBB1	08-30-04	<.006	<.007	<.005	<.02	<.008	<.04	<.005	83.4	<.007	<.050
135-054-01CCC1	09-08-04	<.006	<.007	<.005	<.02	<.008	<.04	<.005	87.1	<.007	<.050
136-053-26BAB1	09-01-04	<.006	<.007	<.005	<.02	<.008	<.04	<.005	94.9	<.007	<.050
Local ident- ifier	Date	Barban, surrog, Sched. 2060/ 9060, wat flt pct rcv (90640)	Bendio- carb, water, fltrd, ug/L (50299)	Ben- flur- alin, water, fltrd, 0.7u GF ug/L (82673)	Benomyl water, fltrd, ug/L (50300)	Bensul- furon, water, fltrd, ug/L (61693)	Ben- tazon, water, fltrd, 0.7u GF ug/L (38711)	Broma- cil, water, fltrd, ug/L (04029)	Brom- oxynil, water, fltrd, 0.7u GF ug/L (49311)	Butyl- ate, water, fltrd, ug/L (04028)	Caf- feine, water, fltrd, ug/L (50305)
		133-052-01BBB1	09-07-04	84.0	<.03	<.010	<.004	<.02	<.01	<.03	<.02
133-052-03CCC1	08-30-04	108	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	<.0096
133-053-13DCC1	08-31-04	E120	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	<.0096
134-052-17DDD1	08-30-04	94.1	<.03	<.010	<.004	<.02	E.01	<.03	<.02	<.004	<.0096
134-052-34BABA	08-30-04	94.7	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	<.0096
134-053-11AAA1	09-01-04	92.6	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	<.0096
134-053-32DDD1	08-31-04	103	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	<.0096
134-053-35BDAB4	09-07-04	102	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	<.0096
134-054-01DACB	09-07-04	91.6	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	<.0096
134-054-04AAA1	08-31-04	99.1	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	<.0096
134-054-14BBB1	08-31-04	124	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	<.0096
134-054-27BBB1	08-31-04	116	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	E.0075
135-052-10ACDA1	09-01-04	106	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	<.0096
135-052-20DDD1	09-01-04	112	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	E.0035
135-053-28BBB1	09-01-04	105	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	<.0096
135-053-30CCBB2	09-08-04	112	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	<.0096
135-053-34CBB1	08-30-04	91.9	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	<.0096
135-054-01CCC1	09-08-04	108	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	<.0096
136-053-26BAB1	09-01-04	61.3	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.004	<.0096

GROUND-WATER QUALITY

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SHEYENNE DELTA SITES--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Local ident- ifier	Date	Caf- feine- 13C, surrog, wat flt percent recovry	Car- baryl, water, fltred	Car- baryl, water, fltred	Carbo- furan, water, fltred	Carbo- furan, water, fltred	Chlor- amben methyl ester, water, fltred,	Chlori- muron, water, fltred,	Chloro- di- amino- s-tri- azine, wat flt	Chloro- thalo- nil, water, fltred	Chlor- pyrifos water, fltred,
		(99959)	0.7u GF ug/L (49310)	0.7u GF ug/L (82680)	0.7u GF ug/L (49309)	0.7u GF ug/L (82674)	ug/L (61188)	ug/L (50306)	ug/L (04039)	0.7u GF ug/L (49306)	ug/L (38933)
133-052-01BBB1	09-07-04	99.4	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.04	<.005
133-052-03CCC1	08-30-04	109	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.04	<.005
133-053-13DCC1	08-31-04	E114	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.04	<.005
134-052-17DDD1	08-30-04	108	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.04	<.005
134-052-34BABA	08-30-04	99.2	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.04	<.005
134-053-11AAA1	09-01-04	E109	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.04	<.005
134-053-32DDD1	08-31-04	98.9	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.04	<.005
134-053-35BDAB4	09-07-04	122	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.04	<.005
134-054-01DACB	09-07-04	120	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.04	<.005
134-054-04AAA1	08-31-04	E108	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.04	<.005
134-054-14BBB1	08-31-04	E109	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.04	<.005
134-054-27BBB1	08-31-04	E113	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.04	<.005
135-052-10ACDA1	09-01-04	102	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.34	<.005
135-052-20DDD1	09-01-04	E105	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.04	<.005
135-053-28BBB1	09-01-04	105	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.04	<.005
135-053-30CCBB2	09-08-04	111	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.04	<.005
135-053-34CBB1	08-30-04	95.4	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.04	<.005
135-054-01CCC1	09-08-04	110	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.04	<.005
136-053-26BAB1	09-01-04	120	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.04	<.005
Local ident- ifier	Date	cis- Per- methrin water, fltred	Clopyr- alid, water, fltred	Cyana- zine, water, fltred,	Cyclo- ate, water, fltred,	Dacthal mono- acid, water, fltred	DCPA, water fltred	Diazi- non, water, fltred,	Diazi- non-dl0 surrog. wat flt percent recovry	Dicamba water fltred	Di- chlor- prop, water, fltred
		0.7u GF ug/L (82687)	0.7u GF ug/L (49305)	ug/L (04041)	ug/L (04031)	0.7u GF ug/L (49304)	0.7u GF ug/L (82682)	ug/L (39572)	ug/L recovry (91063)	0.7u GF ug/L (38442)	0.7u GF ug/L (49302)
133-052-01BBB1	09-07-04	<.006	<.01	<.018	<.01	<.01	<.003	<.005	89.4	<.01	<.01
133-052-03CCC1	08-30-04	<.006	<.01	<.018	<.01	<.01	<.003	<.005	95.7	<.01	<.01
133-053-13DCC1	08-31-04	<.006	<.01	<.018	<.01	<.01	<.003	<.005	99.1	<.01	<.01
134-052-17DDD1	08-30-04	<.006	<.01	<.018	<.01	<.01	<.003	<.005	116	<.01	<.01
134-052-34BABA	08-30-04	<.006	<.01	<.018	<.01	<.01	<.003	<.005	107	<.01	<.01
134-053-11AAA1	09-01-04	<.006	<.01	<.018	<.01	<.01	<.003	<.005	102	<.01	<.01
134-053-32DDD1	08-31-04	<.006	<.01	<.018	<.01	<.01	<.003	<.005	101	<.01	<.01
134-053-35BDAB4	09-07-04	<.006	<.01	<.018	<.01	<.01	<.003	<.005	87.0	<.01	<.01
134-054-01DACB	09-07-04	<.006	<.01	<.018	<.01	<.01	<.003	<.005	89.7	<.01	<.01
134-054-04AAA1	08-31-04	<.006	<.01	<.018	<.01	<.01	<.003	<.005	93.9	<.01	<.01
134-054-14BBB1	08-31-04	<.006	<.01	<.018	<.01	<.01	<.003	<.005	98.1	<.01	<.01
134-054-27BBB1	08-31-04	<.006	<.01	<.018	<.01	<.01	<.003	<.005	103	<.01	<.01
135-052-10ACDA1	09-01-04	<.006	<.01	<.018	<.01	<.01	<.003	<.005	88.7	<.01	<.01
135-052-20DDD1	09-01-04	<.006	<.01	<.018	<.01	<.01	<.003	<.005	101	<.01	<.01
135-053-28BBB1	09-01-04	<.006	<.01	<.018	<.01	<.01	<.003	<.005	98.6	<.01	<.01
135-053-30CCBB2	09-08-04	<.006	<.01	<.018	<.01	<.01	<.003	<.005	91.5	<.01	<.01
135-053-34CBB1	08-30-04	<.006	<.01	<.018	<.01	<.01	<.003	<.005	103	<.01	<.01
135-054-01CCC1	09-08-04	<.006	<.01	<.018	<.01	<.01	<.003	<.005	85.2	<.01	<.01
136-053-26BAB1	09-01-04	<.006	<.01	<.018	<.01	<.01	<.003	<.005	102	<.01	<.01

GROUND-WATER QUALITY

SHEYENNE DELTA SITES--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Local ident- ifier	Date	Diel-	Dinoseb	Diphen-	Disul-	Diuron,	EPTC,	Ethal-	Fenuron	Flumet-	Fluo-
		drin, water, fltrd, ug/L (39381)	water, fltrd, 0.7u GF ug/L (49301)	amid, water, fltrd, ug/L (04033)	foton, water, fltrd, 0.7u GF ug/L (82677)	water, fltrd, 0.7u GF ug/L (49300)	water, fltrd, 0.7u GF ug/L (82668)	flur- alin, water, fltrd, 0.7u GF ug/L (82663)	water, fltrd, 0.7u GF ug/L (49297)	sulam, water, fltrd, 0.7u GF ug/L (61694)	meturon, water, fltrd, 0.7u GF ug/L (38811)
133-052-01BBB1	09-07-04	<.009	<.01	<.03	<.02	<.01	<.004	<.009	<.03	<.01	<.03
133-052-03CCC1	08-30-04	<.009	<.01	<.03	<.02	<.01	<.004	<.009	<.03	<.01	<.03
133-053-13DCC1	08-31-04	<.009	<.01	<.03	<.02	<.01	<.004	<.009	<.03	<.01	<.03
134-052-17DDD1	08-30-04	<.009	<.01	<.03	<.02	<.01	<.004	<.009	<.03	<.01	<.03
134-052-34BABA	08-30-04	<.009	<.01	<.03	<.02	<.01	<.004	<.009	<.03	<.01	<.03
134-053-11AAA1	09-01-04	<.009	<.01	<.03	<.02	<.01	<.004	<.009	<.03	<.01	<.03
134-053-32DDD1	08-31-04	<.009	<.01	<.03	<.02	<.01	<.004	<.009	<.03	<.01	<.03
134-053-35BDAB4	09-07-04	<.009	<.01	<.03	<.02	<.01	<.004	<.009	<.03	<.01	<.03
134-054-01DACB	09-07-04	<.009	<.01	<.03	<.02	<.01	<.004	<.009	<.03	<.01	<.03
134-054-04AAA1	08-31-04	<.009	<.01	<.03	<.02	<.01	<.004	<.009	<.03	<.01	<.03
134-054-14BBB1	08-31-04	<.009	<.01	<.03	<.02	<.01	<.004	<.009	<.03	<.01	<.03
134-054-27BBB1	08-31-04	<.009	<.01	<.03	<.02	<.01	<.004	<.009	<.03	<.01	<.03
135-052-10ACDA1	09-01-04	<.009	<.01	<.03	<.02	<.01	<.004	<.009	<.03	<.01	<.03
135-052-20DDD1	09-01-04	<.009	<.01	<.03	<.02	<.01	<.004	<.009	<.03	<.01	<.03
135-053-28BBB1	09-01-04	<.009	<.01	<.03	<.02	<.01	<.004	<.009	<.03	<.01	<.03
135-053-30CCBB2	09-08-04	<.009	<.01	<.03	<.02	<.01	<.004	<.009	<.03	<.01	<.03
135-053-34CBB1	08-30-04	<.009	<.01	<.03	<.02	<.01	<.004	<.009	<.03	<.01	<.03
135-054-01CCC1	09-08-04	<.009	<.01	<.03	<.02	<.01	<.004	<.009	<.03	<.01	<.03
136-053-26BAB1	09-01-04	<.009	<.01	<.03	<.02	<.01	<.004	<.009	<.03	<.01	<.03
Local ident- ifier	Date	Fonofos	Imaza-	Imaza-	Imida-	Lindane	Linuron	Linuron	Mala-	MCPA,	MCPB,
		water, fltrd, ug/L (04095)	quin, water, fltrd, ug/L (50356)	thapyr, water, fltrd, ug/L (50407)	cloprid water, fltrd, ug/L (61695)	water, fltrd, ug/L (39341)	water fltrd 0.7u GF ug/L (38478)	water fltrd 0.7u GF ug/L (82666)	thion, water, fltrd, ug/L (39532)	water, fltrd 0.7u GF ug/L (38482)	water, fltrd 0.7u GF ug/L (38487)
133-052-01BBB1	09-07-04	<.003	<.02	<.02	<.007	<.004	<.01	<.035	<.027	<.02	<.01
133-052-03CCC1	08-30-04	<.003	<.02	<.02	<.007	<.004	<.01	<.035	<.027	<.02	<.01
133-053-13DCC1	08-31-04	<.003	<.02	<.02	<.007	<.004	<.01	<.035	<.027	<.02	<.01
134-052-17DDD1	08-30-04	<.003	<.02	<.02	<.007	<.004	<.01	<.035	<.027	<.02	<.01
134-052-34BABA	08-30-04	<.003	<.02	<.02	<.007	<.004	<.01	<.035	<.027	<.02	<.01
134-053-11AAA1	09-01-04	<.003	<.02	<.02	<.007	<.004	<.01	<.035	<.027	<.02	<.01
134-053-32DDD1	08-31-04	<.003	<.02	<.02	<.007	<.004	<.01	<.035	<.027	<.02	<.01
134-053-35BDAB4	09-07-04	<.003	<.02	<.02	<.007	<.004	<.01	<.035	<.027	<.02	<.01
134-054-01DACB	09-07-04	<.003	<.02	<.02	<.007	<.004	<.01	<.035	<.027	<.02	<.01
134-054-04AAA1	08-31-04	<.003	<.02	<.02	<.007	<.004	<.01	<.035	<.027	<.02	<.01
134-054-14BBB1	08-31-04	<.003	<.02	<.02	<.007	<.004	<.01	<.035	<.027	<.02	<.01
134-054-27BBB1	08-31-04	<.003	<.02	<.02	<.007	<.004	<.01	<.035	<.027	<.02	<.01
135-052-10ACDA1	09-01-04	<.003	<.02	<.02	<.007	<.004	<.01	<.035	<.027	<.02	<.01
135-052-20DDD1	09-01-04	<.003	<.02	<.02	<.007	<.004	<.01	<.035	<.027	<.02	<.01
135-053-28BBB1	09-01-04	<.003	<.02	<.02	<.007	<.004	<.01	<.035	<.027	<.02	<.01
135-053-30CCBB2	09-08-04	<.003	<.02	<.02	<.007	<.004	<.01	<.035	<.027	<.02	<.01
135-053-34CBB1	08-30-04	<.003	<.02	<.02	<.007	<.004	<.01	<.035	<.027	<.02	<.01
135-054-01CCC1	09-08-04	<.003	<.02	<.02	<.007	<.004	<.01	<.035	<.027	<.02	<.01
136-053-26BAB1	09-01-04	<.003	<.02	<.02	<.007	<.004	<.01	<.035	<.027	<.02	<.01

GROUND-WATER QUALITY

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SHEYENNE DELTA SITES--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Local ident- ifier	Date	Meta-	Methio-	Meth-	Methyl	Metola-	Metri-	Metsul-	Moli-	N-(4-	Naprop-
		laxyl, water, fltrd, ug/L (50359)	carb, water, fltrd 0.7u GF ug/L (38501)	omyl, water, fltrd 0.7u GF ug/L (49296)	para- thion, water, fltrd 0.7u GF ug/L (82667)	chlur, water, fltrd, ug/L (39415)	buzin, water, fltrd, ug/L (82630)	furon, water, fltrd, ug/L (61697)	nate, water, fltrd 0.7u GF ug/L (82671)	Chloro- phenyl) -N'- methyl- urea, ug/L (61692)	amide, water, fltrd 0.7u GF ug/L (82684)
133-052-01BBB1	09-07-04	<.02	<.008	<.004	<.015	<.013	<.006	<.03	<.003	<.02	<.007
133-052-03CCC1	08-30-04	<.02	<.008	<.004	<.015	<.013	<.006	<.03	<.003	<.02	<.007
133-053-13DCC1	08-31-04	<.02	<.008	<.004	<.015	<.013	<.006	<.03	<.003	<.02	<.007
134-052-17DDD1	08-30-04	<.02	<.008	<.004	<.015	<.013	<.006	<.03	<.003	<.02	<.007
134-052-34BABA	08-30-04	<.02	<.008	<.004	<.015	<.013	<.006	<.03	<.003	<.02	<.007
134-053-11AAA1	09-01-04	<.02	<.008	<.004	<.015	<.013	<.006	<.03	<.003	<.02	<.007
134-053-32DDD1	08-31-04	<.02	<.008	<.004	<.015	<.013	<.006	<.03	<.003	<.02	<.007
134-053-35BDAB4	09-07-04	<.02	<.008	<.004	<.015	<.013	<.006	<.03	<.003	<.02	<.007
134-054-01DACB	09-07-04	<.02	<.008	<.004	<.015	<.013	<.006	<.03	<.003	<.02	<.007
134-054-04AAA1	08-31-04	<.02	<.008	<.004	<.015	<.013	<.006	<.03	<.003	<.02	<.007
134-054-14BBB1	08-31-04	<.02	<.008	<.004	<.015	<.013	<.006	<.03	<.003	<.02	<.007
134-054-27BBB1	08-31-04	<.02	<.008	<.004	<.015	<.013	<.006	<.03	<.003	<.02	<.007
135-052-10ACDA1	09-01-04	<.02	<.008	<.004	<.015	<.013	<.006	<.03	<.003	<.02	<.007
135-052-20DDD1	09-01-04	<.02	<.008	<.004	<.015	<.013	<.006	<.03	<.003	<.02	<.007
135-053-28BBB1	09-01-04	<.02	<.008	<.004	<.015	<.013	<.006	<.03	<.003	<.02	<.007
135-053-30CCBB2	09-08-04	<.02	<.008	<.004	<.015	<.013	<.006	<.03	<.003	<.02	<.007
135-053-34CBB1	08-30-04	<.02	<.008	<.004	<.015	<.013	<.006	<.03	<.003	<.02	<.007
135-054-01CCC1	09-08-04	<.02	<.008	<.004	<.015	<.013	<.006	<.03	<.003	<.02	<.007
136-053-26BAB1	09-01-04	<.02	<.008	<.004	<.015	<.013	<.006	<.03	<.003	<.02	<.007
Local ident- ifier	Date	Neburon	Nico-	Norflur	Ory-	Oxamyl,	p,p'-	Para-	Peb-	Pendi-	Phorate
		water, fltrd 0.7u GF ug/L (49294)	sul- furon, water, fltrd, ug/L (50364)	azon, water, fltrd 0.7u GF ug/L (49293)	zalin, water, fltrd 0.7u GF ug/L (49292)	water, fltrd 0.7u GF ug/L (38866)	DDE, water, fltrd, ug/L (34653)	thion, water, fltrd, ug/L (39542)	ulate, water, fltrd 0.7u GF ug/L (82669)	alin, water, fltrd 0.7u GF ug/L (82683)	water fltrd 0.7u GF ug/L (82664)
133-052-01BBB1	09-07-04	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011
133-052-03CCC1	08-30-04	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011
133-053-13DCC1	08-31-04	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011
134-052-17DDD1	08-30-04	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011
134-052-34BABA	08-30-04	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011
134-053-11AAA1	09-01-04	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011
134-053-32DDD1	08-31-04	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011
134-053-35BDAB4	09-07-04	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011
134-054-01DACB	09-07-04	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011
134-054-04AAA1	08-31-04	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011
134-054-14BBB1	08-31-04	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011
134-054-27BBB1	08-31-04	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011
135-052-10ACDA1	09-01-04	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011
135-052-20DDD1	09-01-04	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011
135-053-28BBB1	09-01-04	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011
135-053-30CCBB2	09-08-04	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011
135-053-34CBB1	08-30-04	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011
135-054-01CCC1	09-08-04	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011
136-053-26BAB1	09-01-04	<.01	<.01	<.02	<.02	<.01	<.003	<.010	<.004	<.022	<.011

GROUND-WATER QUALITY

SHEYENNE DELTA SITES--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Local ident- ifier	Date	Pic- loram, water, fltrd 0.7u GF ug/L (49291)	Prome- ton, water, fltrd, ug/L (04037)	Propy- zamide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Propham water, fltrd 0.7u GF ug/L (49236)	Propi- cona- zole, water, fltrd, ug/L (50471)	Pro- poxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)
133-052-01BBB1	09-07-04	<.02	<.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02
133-052-03CCC1	08-30-04	<.02	<.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02
133-053-13DCC1	08-31-04	<.02	<.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02
134-052-17DDD1	08-30-04	<.02	<.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02
134-052-34BABA	08-30-04	<.02	<.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02
134-053-11AAA1	09-01-04	E4.43	<.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02
134-053-32DDD1	08-31-04	<.02	<.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02
134-053-35BDAB4	09-07-04	<.02	<.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02
134-054-01DACB	09-07-04	<.02	<.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02
134-054-04AAA1	08-31-04	<.02	<.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02
134-054-14BBB1	08-31-04	<.02	<.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02
134-054-27BBB1	08-31-04	<.02	<.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02
135-052-10ACDA1	09-01-04	<.02	<.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02
135-052-20DDD1	09-01-04	<.05	<.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02
135-053-28BBB1	09-01-04	<.02	<.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02
135-053-30CCBB2	09-08-04	<.02	<.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02
135-053-34CBB1	08-30-04	<.06	<.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02
135-054-01CCC1	09-08-04	<.02	<.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02
136-053-26BAB1	09-01-04	<.02	<.01	<.004	<.025	<.011	<.02	<.010	<.02	<.008	<.02

Local ident- ifier	Date	Sima- zine, water, fltrd, ug/L (04035)	Sulfo- met- ruron, water, fltrd, ug/L (50337)	Tebu- thiuron water, fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Terba- cil, water, fltrd, ug/L (04032)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Thio- bencarb water, fltrd 0.7u GF ug/L (82681)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- clopyr, water, fltrd 0.7u GF ug/L (49235)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)
133-052-01BBB1	09-07-04	<.005	<.009	<.02	<.034	<.010	<.02	<.010	<.002	<.02	<.009
133-052-03CCC1	08-30-04	<.005	<.009	<.02	<.034	<.010	<.02	<.010	<.002	<.02	<.009
133-053-13DCC1	08-31-04	<.005	<.009	<.02	<.034	<.010	<.02	<.010	<.002	<.02	<.009
134-052-17DDD1	08-30-04	<.005	<.009	<.02	<.034	<.010	<.02	<.010	<.002	<.02	<.009
134-052-34BABA	08-30-04	<.005	<.009	<.02	<.034	<.010	<.02	<.010	<.002	<.02	<.009
134-053-11AAA1	09-01-04	<.005	<.009	<.02	<.034	<.010	<.02	<.010	<.002	<.02	<.009
134-053-32DDD1	08-31-04	<.005	<.009	<.02	<.034	<.010	<.02	<.010	<.002	<.02	<.009
134-053-35BDAB4	09-07-04	<.005	<.009	<.02	<.034	<.010	<.02	<.010	<.002	<.02	<.009
134-054-01DACB	09-07-04	<.005	<.009	<.02	<.034	<.010	<.02	<.010	<.002	<.02	<.009
134-054-04AAA1	08-31-04	<.005	<.009	<.02	<.034	<.010	<.02	<.010	<.002	<.02	<.009
134-054-14BBB1	08-31-04	<.005	<.009	<.02	<.034	<.010	<.02	<.010	<.002	<.02	<.009
134-054-27BBB1	08-31-04	<.005	<.009	<.02	<.034	<.010	<.02	<.010	<.002	<.02	<.009
135-052-10ACDA1	09-01-04	<.005	<.009	<.02	<.034	<.010	<.02	<.010	<.002	<.02	<.009
135-052-20DDD1	09-01-04	<.005	<.009	<.02	<.034	<.010	<.02	<.010	<.002	<.02	<.009
135-053-28BBB1	09-01-04	<.005	<.009	<.02	<.034	<.010	<.02	<.010	<.002	<.02	<.009
135-053-30CCBB2	09-08-04	<.005	<.009	<.02	<.034	<.010	<.02	<.010	<.002	<.02	<.009
135-053-34CBB1	08-30-04	<.005	<.009	<.02	<.034	<.010	<.02	<.010	<.002	<.02	<.009
135-054-01CCC1	09-08-04	<.005	<.009	<.02	<.034	<.010	<.02	<.010	<.002	<.02	<.009
136-053-26BAB1	09-01-04	<.005	<.009	<.02	<.034	<.010	<.02	<.010	<.002	<.02	<.009

< -- Less than
E -- Estimated value

SPIRIT LAKE RESERVATION SITES

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Station number	Local identifier	Date	Time	Geologic unit	Depth of well, feet below LSD (72008)	pH, water, unfiltrd lab, std units (00403)	Specif. conductance, wat unflab, uS/cm 25 degC (90095)
474954098313002	150-062-01DDD2	07-21-04	1000	112WRCK	11.6	7.4	399
474959098335502	150-062-03DDDD2	07-16-04	1020	112WRCK	11.5	8.0	E23
474957098323801	150-062-11AAA	07-26-04	1135	112WRCK	11.7	7.3	521
474959098393601	150-063-01DDCC	07-16-04	1115	112WRCK	15	7.4	930
475050098402101	150-063-02AAA	09-14-04	1255	112WRCK	11.3	7.4	436
474957098413701	150-063-02CCC1	11-26-03	0845	112WRCK	20	7.2	735
474959098402302	150-063-02DDD2	07-16-04	1215	112WRCK	15.7	7.7	500
475024098441401	150-063-04CBB	09-14-04	1115	112WRCK	20	7.5	403
474959098441301	150-063-04CCC	09-14-04	1050	112WRCK	12	7.6	428
474959098425801	150-063-04DDD	07-12-04	1300	112WRCK	18	7.4	653
474959098453201	150-063-05CCC	09-14-04	1145	112WRCK	15	7.5	679
474906098413801	150-063-11CCC	07-16-04	1335	112WRCK	22.6	7.7	367
474948098402102	150-063-12BBC2	07-16-04	1150	112WRCK	15.2	7.7	389
474906098441203	150-063-16BBB3	09-14-04	1020	112WRCK	19.2	7.5	552
475050098555101	150-064-02AAAA	07-12-04	1345	112WRCK	75	7.7	518
474959098520001	150-064-05DDDD	07-08-04	1220	112TOKO	90	8.1	967
474906098491301	150-064-11CCDC	07-27-04	1125	112TOKO	56	7.6	1210
474813098480601	150-064-14DDD	07-28-04	1120	112TOKO	55	7.6	515
474814098504101	150-064-16DDD	09-14-04	1335	112TOKO	62	7.3	809
475322098332003	151-062-23ABB3	11-26-03	1015	112WRCK	53	7.5	703
475236098314503	151-062-24DDC3	11-24-03	1345	112WRCK	23	7.5	925
475204098313603	151-062-25DAA3	11-24-03	1245	112WRCK	23	7.5	738
475051098374501	151-062-32CCC	07-26-04	1250	112WRCK	16	7.6	370
475051098362701	151-062-33CCC	07-26-04	1210	112WRCK	15.8	7.5	468
475420098464801	151-063-07CCC	07-15-04	0950	112WRCK	50.5	7.5	500
475420098445401	151-063-08DCC	07-15-04	1100	112WRCK	15.3	7.5	636
475328098402302	151-063-14DDD2	07-15-04	1255	112WRCK	15.1	7.6	448
475406098425801	151-063-16AADD	07-15-04	1040	112WRCK	13.5	7.6	391
475308098424801	151-063-22CBBB	11-25-03	1100	112WRCK	15	7.3	256
475156098402301	151-063-26DDA	07-26-04	1415	112WRCK	11.9	7.7	324
475143098425601	151-063-27CCC	07-15-04	1235	112WRCK	22.5	7.0	758
475235098425801	151-063-28AAA	07-15-04	1205	112WRCK	15.8	7.8	474
475130098453201	151-063-32BBC	09-14-04	1210	112WRCK	15.8	7.6	548
475107098414001	151-063-34DAD	07-15-04	1310	112WRCK	15.4	7.7	531
475051098390801	151-063-36DDD	07-26-04	1320	112WRCK	12	7.0	1180
475341098504301	151-064-16DADD	07-09-04	1450	112TOKO	97	7.5	393
475420098531601	151-064-17BBBB	07-08-04	1440	112TOKO	97	7.6	380
475236098541301	151-064-19CDCC	07-27-04	1425	112TOKO	110	7.6	433
475328098520001	151-064-20AAAA	07-09-04	1205	112TOKO	56	7.6	322
475327098531601	151-064-20BBBB	07-08-04	1400	112TOKO	60	7.4	515

GROUND-WATER QUALITY

SPIRIT LAKE RESERVATION SITES--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Local ident- i- fier	Date	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf	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 on evap. at 180degC
						end pt, lab, mg/L as CaCO3 (90410)					wat flt mg/L (70300)
150-062-01DDD2	07-21-04	48.4	23.8	7.30	8.99	206	1.56	.2	22.4	26.4	257
150-062-03DDD2	07-16-04	65.4	27.8	3.05	3.88	274	1.16	<.2	32.5	.2	332
150-062-11AAA	07-26-04	100	17.1	.92	3.41	143	.80	.2	26.9	11.1	324
150-063-01DDCC	07-16-04	90.9	64.6	2.68	15.5	432	5.91	.3	30.4	1.3	547
150-063-02AAA	09-14-04	69.8	18.9	E.12	3.59	200	2.26	.2	25.8	15.6	292
150-063-02CCC1	11-26-03	109	33.0	2.71	3.38	180	10.3	<.2	26.6	6.9	451
150-063-02DDD2	07-16-04	74.2	19.7	.98	5.58	111	10.8	.2	28.2	84.7	350
150-063-04CBB	09-14-04	62.5	19.2	.67	4.58	161	E.18	.3	29.1	4.8	262
150-063-04CCC	09-14-04	66.4	21.0	1.15	4.50	163	E.19	.2	26.7	16.8	262
150-063-04DDD	07-12-04	102	30.8	2.94	5.13	157	6.55	<.2	25.8	15.9	411
150-063-05CCC	09-14-04	83.4	34.6	3.68	30.7	207	8.72	.3	31.0	62.6	444
150-063-11CCC	07-16-04	55.5	14.7	1.54	2.53	148	.56	<.2	28.7	8.3	239
150-063-12BBC2	07-16-04	60.2	15.2	.80	1.42	125	1.05	<.2	25.7	3.5	245
150-063-16BBB3	09-14-04	84.0	24.6	1.55	10.7	136	1.71	.2	28.3	35.2	370
150-064-02AAAA	07-12-04	40.4	10.2	6.93	73.1	232	2.80	.4	31.9	39.2	362
150-064-05DDDD	07-08-04	11.1	2.74	5.06	236	484	7.86	.7	27.3	52.2	662
150-064-11CCDC	07-27-04	55.5	14.2	7.73	184	263	75.0	.2	29.2	163	762
150-064-14DDD	07-28-04	71.8	20.2	2.69	9.36	116	2.96	<.2	27.2	56.9	342
150-064-16DDD	09-14-04	93.6	31.1	5.47	47.7	239	12.5	.3	29.5	100	524
151-062-23ABB3	11-26-03	108	30.8	2.19	4.92	92	31.9	<.2	27.4	118	465
151-062-24DDC3	11-24-03	130	45.6	3.05	5.21	96	31.6	<.2	26.7	93.4	600
151-062-25DAA3	11-24-03	38.0	15.2	5.71	108	326	12.6	.4	31.4	52.7	479
151-062-32CCC	07-26-04	60.6	14.4	.96	6.72	190	.20	.2	26.3	6.2	219
151-062-33CCC	07-26-04	80.4	20.1	.53	3.39	251	1.05	.2	24.9	16.8	276
151-063-07CCC	07-15-04	71.2	19.8	2.09	3.72	153	1.52	<.2	26.8	45.5	333
151-063-08DCC	07-15-04	83.4	32.6	1.95	7.10	355	1.56	.3	28.9	16.3	403
151-063-14DDD2	07-15-04	65.8	14.3	.76	15.9	168	1.77	<.2	20.9	8.7	261
151-063-16AADD	07-15-04	57.0	14.9	1.55	4.31	179	.80	<.2	27.2	15.2	253
151-063-22CBBB	11-25-03	33.1	10.8	3.15	2.23	130	4.43	<.2	27.4	3.9	158
151-063-26DDA	07-26-04	55.3	12.2	.33	2.36	182	.68	<.2	22.9	E.2	191
151-063-27CCC	07-15-04	124	40.9	4.63	21.7	419	25.9	.2	29.4	81.2	584
151-063-28AAA	07-15-04	68.5	24.9	2.63	7.19	230	1.69	.3	27.7	20.2	348
151-063-32BBC	09-14-04	64.5	31.9	1.99	17.7	187	.30	.3	30.7	10.4	365
151-063-34DAD	07-15-04	74.0	18.6	1.83	14.4	175	2.15	<.2	26.4	15.4	313
151-063-36DDD	07-26-04	153	85.9	1.54	13.5	473	.58	.8	37.6	.7	753
151-064-16DADD	07-09-04	58.6	13.2	4.43	9.25	158	1.88	.2	31.7	20.8	256
151-064-17BBBB	07-08-04	61.2	11.8	3.78	6.73	137	2.67	<.2	29.1	26.3	248
151-064-19CDCC	07-27-04	58.9	13.1	6.15	14.6	171	1.42	<.2	33.6	28.2	286
151-064-20AAAA	07-09-04	50.7	13.4	2.48	3.16	166	.89	<.2	28.7	15.7	212
151-064-20BBBB	07-08-04	75.0	21.9	4.75	12.3	139	3.36	.3	22.8	31.4	299

SPIRIT LAKE RESERVATION SITES--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Local ident- ifier	Date	Ammonia + org-N, water, unfltrd		Nitrite + nitrate water, fltrd,		Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L (00665)	Arsenic water unfltrd ug/L (01002)	Iron, water, fltrd, ug/L (01046)	Mangan- ese, water, fltrd, ug/L (01056)
		mg/L as N (00625)	mg/L as N (00608)	mg/L as N (00631)	mg/L as N (00613)					
150-062-01DDD2	07-21-04	.25	<.04	<.06	<.008	.03	E.04	2	E6	250
150-062-03DDDD2	07-16-04	.43	<.04	<.06	<.008	<.02	<.04	2	E6	2270
150-062-11AAA	07-26-04	.13	<.04	<.06	<.008	E.01	.05	E2	129	570
150-063-01DDCC	07-16-04	.43	E.02	<.06	<.008	E.01	.07	E1	2720	329
150-063-02AAA	09-14-04	.18	<.04	5.53	.017	.03	.04	<2	<6	162
150-063-02CCC1	11-26-03	.52	.20	<.06	<.008	<.02	.11	E2	2860	1660
150-063-02DDD2	07-16-04	E.09	<.04	.06	<.008	.05	.04	<2	<6	E.4
150-063-04CBB	09-14-04	.20	<.04	.35	<.008	<.02	.08	5	<6	1.9
150-063-04CCC	09-14-04	E.08	<.04	.13	<.008	.05	.05	<2	7	18.1
150-063-04DDD	07-12-04	E.07	<.04	2.84	<.008	.05	.05	E2	<6	43.6
150-063-05CCC	09-14-04	.23	<.04	<.06	<.008	<.02	<.04	E1	132	307
150-063-11CCC	07-16-04	.12	<.04	1.22	<.008	.03	.08	4	<6	<.8
150-063-12BBC2	07-16-04	E.09	<.04	2.32	<.008	<.02	<.04	E2	<6	E.7
150-063-16BBB3	09-14-04	.14	<.04	6.48	<.008	E.02	<.04	2	E6	8.6
150-064-02AAAA	07-12-04	.82	.71	E.04	<.008	.10	.13	42	254	215
150-064-05DDDD	07-08-04	.71	.48	.08	.022	.45	.44	24	214	34.8
150-064-11CCDC	07-27-04	.94	.90	<.06	<.008	.09	.09	22	48	357
150-064-14DDD	07-28-04	<.10	<.04	.26	E.004	.04	.05	3	E5	174
150-064-16DDD	09-14-04	.50	.42	<.06	<.008	E.01	.05	37	719	415
151-062-23ABB3	11-26-03	.15	E.02	<.06	<.008	.04	.06	E2	243	389
151-062-24DDC3	11-24-03	.54	<.04	28.4	.038	.04	.04	M	E4	93.3
151-062-25DAA3	11-24-03	1.5	1.26	.65	<.008	.18	.34	<2	73	50.2
151-062-32CCC	07-26-04	.14	<.04	<.06	<.008	.10	.11	5	E6	345
151-062-33CCC	07-26-04	E.09	<.04	.15	<.008	E.01	E.02	E1	22	198
151-063-07CCC	07-15-04	E.10	<.04	10.7	.030	.07	.07	3	<6	33.0
151-063-08DCC	07-15-04	1.8	<.04	9.63	<.008	E.01	2.55	14	<6	1.1
151-063-14DDD2	07-15-04	.12	<.04	.61	<.008	E.01	.09	3	12	.9
151-063-16AADD	07-15-04	E.09	<.04	.71	<.008	.06	.06	4	<6	E.5
151-063-22CBBB	11-25-03	<.10	<.04	.27	<.008	.09	.10	<2	E5	1.0
151-063-26DDA	07-26-04	E.08	<.04	<.06	<.008	.08	.10	5	12	213
151-063-27CCC	07-15-04	.32	.05	<.06	<.008	.03	.37	7	41	437
151-063-28AAA	07-15-04	.22	<.04	7.07	.031	.07	.07	3	<6	1.7
151-063-32BBC	09-14-04	.18	<.04	10.3	<.008	<.02	<.04	M	<6	E.7
151-063-34DAD	07-15-04	E.07	<.04	.32	<.008	<.02	<.04	E2	<6	11.1
151-063-36DDD	07-26-04	1.1	.11	<.06	<.008	.04	.07	6	2610	1070
151-064-16DADD	07-09-04	.32	.26	<.06	<.008	.05	.06	17	8	355
151-064-17BBBB	07-08-04	.22	.21	<.06	<.008	.07	.08	22	27	484
151-064-19CDCC	07-27-04	.37	.34	<.06	<.008	.07	.08	15	23	51.1
151-064-20AAAA	07-09-04	E.08	E.03	E.04	<.008	.10	.11	5	7	166
151-064-20BBBB	07-08-04	.11	<.04	1.40	.020	E.01	<.04	E1	<6	99.7

Station number	Local ident- ifier	Date	Time	Geo- logic unit	Depth of well, feet below LSD (72008)	pH, water, unfltrd lab, std units (00403)	Specif. conduc- tance, wat unfl- trd lab, uS/cm 25 degC (90095)
475303098464901	151-064-24ADD	07-15-04	1025	112WRCK	12	7.4	775
475143098494401	151-064-27DDCC	07-27-04	1215	112TOKO	80	7.5	465
475230098504301	151-064-28AAD	07-09-04	1355	112TOKO	58	7.5	462
475234098515901	151-064-28BBB	07-09-04	1245	112TOKO	58	7.7	360
475143098520201	151-064-29DDDD	07-27-04	1340	112TOKO	66	7.6	509
475142098531601	151-064-32BBBB	07-08-04	1310	112TOKO	54	7.5	507
475143098504201	151-064-34BBBB	07-09-04	1320	112TOKO	94	7.5	379
475604098555001	151-065-01BBBB	07-12-04	1205	112TOKO	87	E7.5	396
475603098570901	151-065-03AAA	07-28-04	0955	112TOKO	80	E7.3	549
475419098554801	151-065-12CCC	07-27-04	1535	112TOKO	70	7.4	482
475419098543701	151-065-13AAAB	07-08-04	1520	112TOKO	72	7.5	552
475340098551201	151-065-13CADD	07-12-04	1245	112TOKO	78	7.6	428
475326099010001	151-065-20BBBB	07-09-04	0940	112TOKO	59.5	7.4	675
475234098554901	151-065-25BBBB	07-09-04	1115	112TOKO	43	7.6	405
475116098554901	151-065-36CBB	09-14-04	1420	112TOKO	120	8.2	927
475656098531601	152-064-32BBBB	07-12-04	1040	112TOKO	80	7.5	470
475657098571002	152-065-27DDD2	07-28-04	0905	112TOKO	45	7.5	581
475630098555001	152-065-36CBBB	07-12-04	1130	112TOKO	123	7.6	413

GROUND-WATER QUALITY

SPIRIT LAKE RESERVATION SITES--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Local ident- ifier	Date	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf	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 on evap. at 180degC
						fixed end pt, lab, mg/L as CaCO3 (90410)					wat flt mg/L (70300)
151-064-24ADD	07-15-04	84.0	23.6	5.45	63.9	387	8.34	.3	31.9	58.2	491
151-064-27DDCC	07-27-04	66.0	15.8	3.61	13.2	124	2.23	.2	28.9	27.9	304
151-064-28AAD	07-09-04	72.8	18.3	3.73	6.44	105	2.13	.2	29.3	37.1	295
151-064-28BBBB	07-09-04	41.8	7.77	6.65	25.6	186	1.35	.2	38.3	14.6	254
151-064-29DDDD	07-27-04	70.7	18.0	3.34	7.55	123	1.78	<.2	28.0	31.2	313
151-064-32BBBB	07-08-04	74.0	17.6	4.89	14.0	129	3.94	.2	26.9	62.3	311
151-064-34BBBB	07-09-04	59.8	14.1	3.08	4.43	115	1.75	<.2	28.5	24.4	242
151-065-01BBBB	07-12-04	105	29.9	2.91	137	169	1.15	<.2	28.4	18.8	255
151-065-03AAA	07-28-04	72.2	18.1	4.05	24.1	197	2.34	.2	28.7	42.8	347
151-065-12CCC	07-27-04	74.0	16.3	4.46	7.59	129	1.73	.2	27.0	52.8	305
151-065-13AAAB	07-08-04	82.4	19.1	3.91	15.9	190	2.92	.2	25.2	64.2	390
151-065-13CADD	07-12-04	70.8	15.3	6.12	11.8	129	2.01	.2	35.3	43.8	306
151-065-20BBBB	07-09-04	98.8	27.7	5.68	22.6	170	9.21	.2	29.3	91.1	404
151-065-25BBBB	07-09-04	63.2	14.7	4.60	6.90	316	1.63	<.2	26.9	18.7	259
151-065-36CBB	09-14-04	5.81	1.84	4.28	211	393	30.2	.8	28.8	65.6	615
152-064-32BBBB	07-12-04	72.4	19.0	2.97	6.36	239	1.79	.2	28.3	34.6	260
152-065-27DDD2	07-28-04	82.7	22.6	2.91	7.53	143	1.44	.2	27.2	39.4	363
152-065-36CBBB	07-12-04	58.2	11.4	4.39	19.6	155	2.46	.2	28.6	20.1	273

Local ident- ifier	Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	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)	Phos- phorus, water, unfltrd mg/L (00665)	Arsenic water, unfltrd ug/L (01002)	Iron, water, fltrd, ug/L (01046)	Mangan- ese, water, fltrd, ug/L (01056)
		151-064-24ADD	07-15-04	.48	.24	<.06	<.008	E.02	.41	37
151-064-27DDCC	07-27-04	.29	.23	<.06	<.008	.04	.05	22	28	489
151-064-28AAD	07-09-04	.22	.16	<.06	<.008	.03	E.04	11	44	670
151-064-28BBBB	07-09-04	.48	.43	<.06	<.008	.16	.18	34	19	296
151-064-29DDDD	07-27-04	.17	E.04	3.67	.035	.02	<.04	5	7	189
151-064-32BBBB	07-08-04	.18	.09	<.06	<.008	.02	E.03	7	223	467
151-064-34BBBB	07-09-04	.19	.12	<.06	<.008	.06	.07	10	151	391
151-065-01BBBB	07-12-04	.13	<.04	.06	<.008	.07	.29	4	14	E.7
151-065-03AAA	07-28-04	.18	.20	<.06	<.008	.03	.05	13	322	494
151-065-12CCC	07-27-04	E.06	E.02	<.06	<.008	E.01	E.03	4	284	221
151-065-13AAAB	07-08-04	.68	<.04	9.35	.056	.04	.34	5	2160	109
151-065-13CADD	07-12-04	.21	.15	<.06	<.008	.05	.07	17	294	310
151-065-20BBBB	07-09-04	.26	.15	<.06	<.008	.03	E.03	12	234	417
151-065-25BBBB	07-09-04	.51	.21	<.06	<.008	.06	.66	28	69	388
151-065-36CBB	09-14-04	.79	.58	<.06	<.008	.49	.47	13	26	27.2
152-064-32BBBB	07-12-04	.37	<.04	<.06	<.008	.04	.34	11	9	40.2
152-065-27DDD2	07-28-04	E.10	<.04	14.3	.031	.03	.04	E2	E4	14.7
152-065-36CBBB	07-12-04	.46	.42	<.06	<.008	.04	.05	25	24	322

< -- Less than

E -- Estimated value

M -- Presence verified, not quantified

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