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(DO NOT GIVE OUT)

WATER LEVELS IN ALLUVIAL AQUIFERS OF THE LOWER SOUTH PLATTE RIVER BASIN, COLORADO

JULY, 1999



by
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OFFICE OF THE STATE ENGINEER

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WATER LEVELS IN THE ALLUVIAL AQUIFERS OF THE
LOWER SOUTH PLATTE RIVER BASIN, COLORADO

1999

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The purpose of this report is to provide water level data for 64 wells within the Lower South Platte Alluvium for the period of Spring of 1988 through the Spring of 1999. The data presented in this report is a result of cooperation between well owners, the Central Colorado Water Conservancy District, and the Colorado Division of Water Resources. Funding for this project is supplied in part from well permit fees collected and managed by the Colorado Division of Water Resources as a result of the passage of Senate Bill 200 during the 1987 legislative session.

The following body of this report includes up to 22 water level measurements for each well, for the indicated period in addition to a water level measurement taken at the time of construction of the well, if available. Measurements are usually taken twice yearly, typically in the spring before irrigation pumping commences and in the fall after irrigation pumping has ceased. The measurement values in this report are expressed in feet below ground surface to water surface and were obtained utilizing an electric sounder device or steel tape. All measurements were done by Division 1 Water Commissioners (DWR) or the Central Colorado Water Conservancy District (CCWC) as indicated for each well. All of the wells are completed in unconsolidated gravel, sand, silt and clay deposits predominantly of alluvial origin. The column entitled AQUIF/TRIB in the main body of the report delineates the geologic unit and stream reach for each well as explained on page 4. Figure 1 is a GIS generated map showing the recorded location of the wells measured for this report. The South Platte River is shown in purple. The recorded outline of the South Platte River alluvial aquifers is depicted in gold.

The observation wells can be subdivided into two types: those which lie within or very near the South Platte River floodplain, and those located in tributary valleys. The number of observation wells in tributary valleys exceeds the number along the South Platte floodplain by 20.

An evaluation of the data of beginning water levels as compared to Spring 1998 levels reveals that approximately 46.9% of the wells have experienced a water level decline which compares to a 50.8% decline in the 1998 report. By comparison, 12.5% of the wells experienced a rise in the Spring 1999 as compared to the Spring 1988 water level. This percentage is considerably less than the 1998 report value (24.5%). Declines of Spring 1988 to Spring 1999 range from -0.24' to -10.5' as compared to the range of -0.04' to -12.3' in the 1998 report. Declines on the order of 0.01' are insignificant in that such changes can be caused by wind, earth movement, and the effect of evapotranspiration and phreatic consumption or maybe errors in data recording. The table following this narrative entitled "Table of Water Level Trends of the South Platte Alluvium through Spring 1999" recaps the statistics to date for this ongoing report in terms of all wells, tributary valleys, and the South Platte main stem/floodplain.

These data also reveal that the averages of the water level changes from Spring 1988 to Spring 1999 wells within the tributary valleys (both rises and declines) are less than the averages of the South Platte floodplain alluvium. By contrast, in 1998 the average rise and declines of Spring 1988 vs. Spring 1998 changes in the tributary valleys were greater than those in the South Platte floodplain.

The average annual water level change compared to the previous year over the past eleven years has averaged -0.20 ft/yr in the South Platte floodplains and -0.08 ft/yr in the tributary

valleys. The tributary valleys experienced less annual rise overall in 1999 than in 1998. Concurrently, the annual rise of the South Platte floodplain was greater in 1999 than 1998. Annual declines in the tributary valleys and the South Platte floodplain likewise were greater in 1999 than 1998.

The reader is advised that these data are based upon the measurements of only 64 wells. This represents only about 3 percent of the total nonexempt wells along the South Platte system between Kassler and the Colorado-Nebraska state line.

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WATER LEVELS IN THE LOWER SOUTH PLATTE NETWORK

Explanation

Geologic Units

All of the monitoring wells in this report are completed in unconsolidated gravel, sand silt, and clay of predominantly alluvial origin. The following subdivision is based upon location of the wells with respect to modern stream channels, floodplains, terraces, and interstream divides.

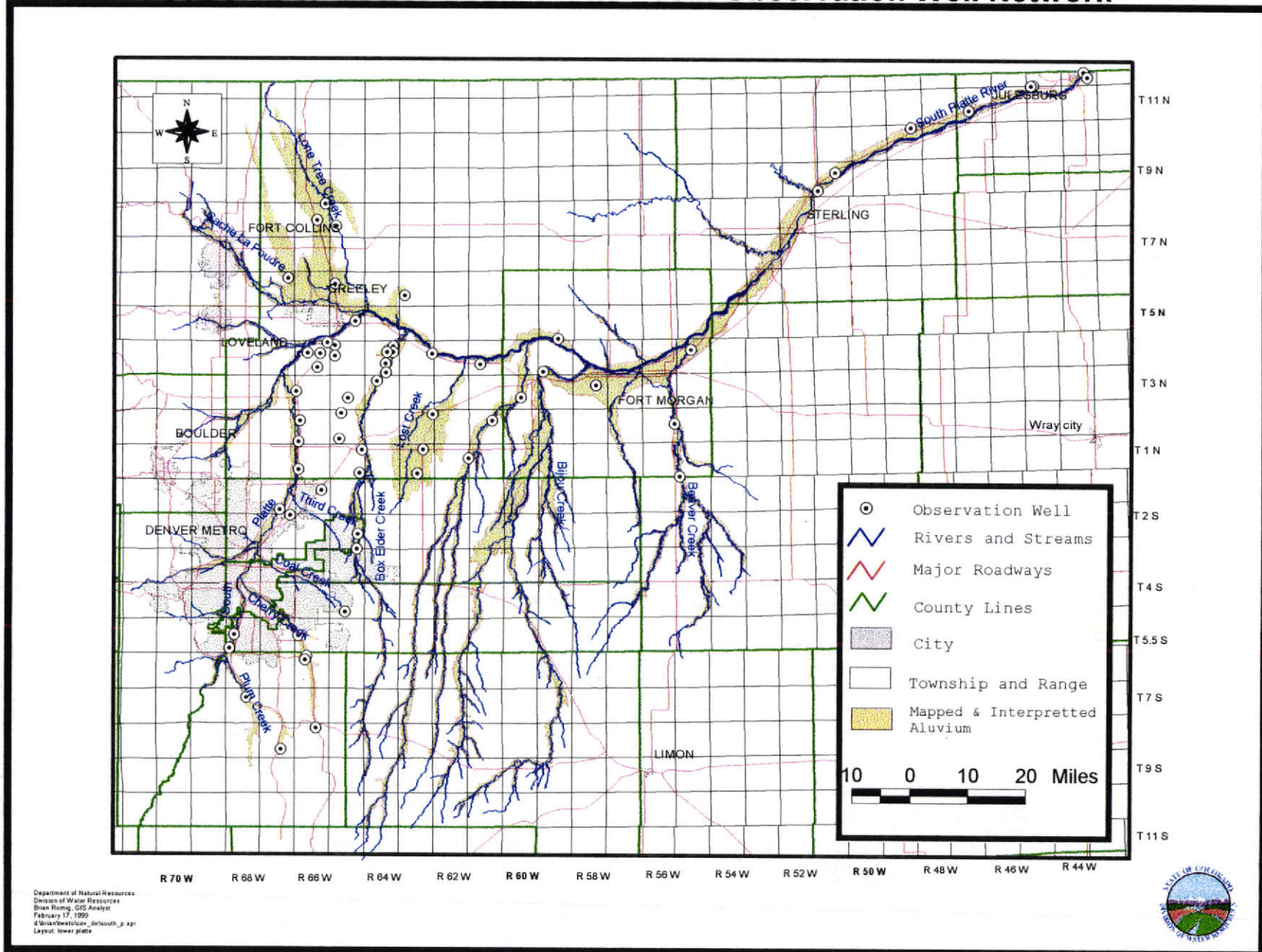
- Qal - Recent stream alluvium and floodplain deposits.
- Qoav - Alluvium of areas not within a distinct floodplain; upland areas along interstream divides; includes deposits of eolian origin.
- Qt - Alluvium underlying terraces identified and mapped by other investigators.

Stream Reach

Each of the monitoring wells included in this report has a code following the Geologic Unit indicating the stream reach or tributary reach of the well (e.g. Qal/BIA).

| <u>Code</u> | <u>Reach of Stream</u> |
|-------------|--|
| SPA | Mainstem of South Platte from Greeley downstream |
| USP | Upper South Platte: Platte Canyon to Greeley |
| PCA | Plum Creek drainage |
| CCA | Coal Creek drainage |
| CLP | Cache La Poudre drainage |
| BVA | Beaver Creek drainage |
| BIA | Bijou Creek drainage |
| LCA | Lost Creek drainage |
| BEC | Box Elder Creek drainage |
| LTC | Lone Tree Creek drainage |
| TCA | Third Creek drainage |
| CHC | Cherry Creek drainage |

FIGURE 1: Lower South Platte Basin Observation Well Network



Department of Natural Resources
Division of Water Resources
Bran Romig, GIS Analyst
February 17, 1999
d:\bran\water\lower_plate\lower_plate.apr
Layout: lower_plate



Table of Water Level Trends of the South Platte Alluvium
through Spring 1999*

*All signed values in feet; (-) is decline, (+) is rise
Unsigned values are number of wells
(x) is % of group

| COMPARISON: | INITIAL WATERLEVELS TO SPRING '99 | | | SPRING '88 TO SPRING '99 WATERLEVELS | | | SPRING '98 TO SPRING '99 WATERLEVELS | | | |
|---|-----------------------------------|-------------------|-----------|--------------------------------------|-------------------|-----------|--------------------------------------|------------------|----------|--------------------------|
| | GROUP | RISES | DECLINES | NO CHANGE/ UNRECORDED | RISES | DECLINES | NO CHANGE/ UNRECORDED | RISES | DECLINE | NO CHANGE/ UNRECORDED |
| <u>ALL WELLS</u> | | | | | | | | | | |
| Number | 15 (23.4) | 30 (46.9) | 19 (29.7) | 8 (12.5) | 28 (43.8) | 28 (43.7) | 15 (23.4) | 40 (62.5) | 9 (14.1) | |
| Ranges of values | +0.07 to +19.35 | - 0.38 to - 34.50 | - | +0.55 to +4.06 | - 0.24 to - 10.50 | - | +0.06 to +9.54 | - 0.05 to - 6.30 | - | |
| Average | +6.71 | - 7.71 | - | +1.99 | - 2.57 | - | +1.94 | - 1.32 | - | |
| <u>TRIBUTARY VALLEYS</u> | | | | | | | | | | |
| Number | 11 (26.2) | 19 (45.2) | 12 (28.6) | 7 (16.7) | 18 (42.8) | 17 (40.5) | 8 (19.0) | 28 (66.7) | 6 (14.3) | |
| Ranges | +0.35 to 19.35 | - 0.38 to - 34.50 | - | +0.55 to +4.06 | - 0.38 to - 10.50 | - | +0.20 to +2.44 | - 0.05 to - 6.30 | - | |
| Average | +8.47 | - 9.40 | - | +1.93 | - 1.99 | - | +1.06 | - 1.29 | - | |
| <u>MAINSTEM</u> or) So. Platte <u>FLOODPLAIN</u> | | | | | | | | | | |
| Number | 4 (18.2) | 11 (50) | 7 (31.8) | 1 (4.5) | 10 (45.5) | 11 (50) | 7 (31.8) | 12 (54.5) | 3 (13.7) | |
| Ranges | +0.07 to +4.75 | - 1.12 to - 19.90 | - | +0.55 to +4.06 | - 0.24 to - 10.5 | - | +0.06 to 9.54 | - 0.15 to - 2.89 | - | |
| Average | +1.86 | - 4.79 | - | +1.99 | - 2.57 | - | +2.94 | - 1.38 | - | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|-----------------------|---------|-------------|------|--------|----------|--------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T01N | R63W | 02 | SWSWSW | U.S.G.S. Obs. Well | 0 | Qoa /LCA | 4842 | 62.00 | 03/29/62 | 55.24 | 11/05/95 | DWR | 12.62 | -0.18 | -2.02 | 50.45 |
| | | | | | | | | 47.36 | 03/21/88 | 51.94 | 03/27/96 | | | | | |
| | | | | | | | | 49.60 | 03/21/89 | 54.95 | 10/18/96 | | | | | |
| | | | | | | | | 53.25 | 12/17/89 | 50.76 | 03/27/97 | | | | | |
| | | | | | | | | 51.40 | 03/14/90 | 54.30 | 10/15/97 | | | | | |
| | | | | | | | | 58.20 | 10/25/90 | 49.20 | 03/27/98 | | | | | |
| | | | | | | | | 53.95 | 03/12/91 | 52.25 | 10/28/98 | | | | | |
| | | | | | | | | 58.88 | 10/24/91 | 49.38 | 03/23/99 | | | | | |
| | | | | | | | | 53.14 | 04/05/92 | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | 11/25/94 | | | | | | | |
| | | | | | | | | 52.80 | 03/20/95 | | | | | | | |
| T01N | R63W | 34 | NWNWNW | Blood,C. | 14860 R | Qoa /LCA | 4963 | 109.00 | 03/09/60 | 100.91 | 11/05/95 | DWR | 7.76 | -2.44 | -3.57 | 101.64 |
| | | | | | | | | 97.67 | 03/21/88 | 108.80 | 03/27/96 | | | | | |
| | | | | | | | | 99.20 | 03/21/89 | 100.80 | 10/18/96 | | | | | |
| | | | | | | | | 100.00 | 12/17/89 | 99.03 | 03/27/97 | | | | | |
| | | | | | | | | 99.80 | 03/14/90 | 100.82 | 10/15/97 | | | | | |
| | | | | | | | | 100.06 | 10/25/90 | 98.80 | 03/27/98 | | | | | |
| | | | | | | | | 99.19 | 03/12/91 | 102.07 | 10/28/98 | | | | | |
| | | | | | | | | 103.50 | 10/24/91 | 101.24 | 03/23/99 | | | | | |
| | | | | | | | | 100.29 | 04/05/92 | | | | | | | |
| | | | | | | | | 105.10 | 11/04/92 | | | | | | | |
| | | | | | | | | 100.45 | 03/17/93 | | | | | | | |
| | | | | | | | | 101.30 | 11/03/93 | | | | | | | |
| | | | | | | | | 103.99 | 03/18/94 | | | | | | | |
| | | | | | | | | 102.52 | 11/25/94 | | | | | | | |
| | | | | | | | | 102.90 | 03/20/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
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1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|-------------|---------|--------------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T01N | R65W | 01 | SWSWSE | Taoka Bros. | 11709 F | Qoav/ BEC | 4959 | 30.00 | 11/30/37 | 10.00 | 11/22/95 | CCWC | 19.35 | 0.00 | 0.00 | 9.60 |
| | | | | | | | | 0.00 | / / | 10.20 | 04/11/96 | | | | | |
| | | | | | | | | 8.80 | 04/20/89 | 10.61 | 11/19/96 | | | | | |
| | | | | | | | | 9.04 | 10/13/89 | 11.43 | 05/05/97 | | | | | |
| | | | | | | | | 8.90 | 04/10/90 | 10.76 | 12/15/97 | | | | | |
| | | | | | | | | 9.88 | 10/17/90 | 0.00 | 04/30/98 | | | | | |
| | | | | | | | | 15.65 | 04/18/91 | 10.15 | 10/28/98 | | | | | |
| | | | | | | | | 12.10 | 10/24/91 | 10.65 | 05/20/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 10.21 | 03/23/93 | | | | | | | |
| | | | | | | | | 10.95 | 11/22/93 | | | | | | | |
| | | | | | | | | 8.75 | 05/05/94 | | | | | | | |
| | | | | | | | | 12.00 | 10/25/94 | | | | | | | |
| | | | | | | | | 11.98 | 04/25/95 | | | | | | | |
| T01N | R65W | 25 | SESWSW | Hoffner, F. | 11875 F | Qoa /BEC | 5045 | 34.60 | 05/08/41 | 44.22 | 11/05/95 | DWR | -6.12 | 0.72 | -3.56 | 41.84 |
| | | | | | | | | 37.16 | 03/21/88 | 41.40 | 03/27/96 | | | | | |
| | | | | | | | | 42.35 | 03/21/89 | 44.57 | 10/18/96 | | | | | |
| | | | | | | | | 50.50 | 12/17/89 | 40.64 | 03/27/97 | | | | | |
| | | | | | | | | 41.75 | 03/14/90 | 44.20 | 10/15/97 | | | | | |
| | | | | | | | | 41.75 | 10/25/90 | 41.44 | 03/27/98 | | | | | |
| | | | | | | | | 39.60 | 03/12/91 | 43.90 | 10/28/98 | | | | | |
| | | | | | | | | 43.49 | 10/24/91 | 40.72 | 03/23/99 | | | | | |
| | | | | | | | | 40.00 | 04/05/92 | | | | | | | |
| | | | | | | | | 42.19 | 11/04/92 | | | | | | | |
| | | | | | | | | 40.20 | 03/17/93 | | | | | | | |
| | | | | | | | | 42.00 | 11/03/93 | | | | | | | |
| | | | | | | | | 40.30 | 03/18/94 | | | | | | | |
| | | | | | | | | 43.42 | 11/25/94 | | | | | | | |
| | | | | | | | | 41.93 | 03/20/95 | | | | | | | |

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1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|-------------|--------|-------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T02N | R56W | 13 | NWSWSE | Peterson,C. | 8822 F | Qoa | 4320 | 32.10 | 04/04/62 | 40.82 | 11/05/95 | DWR | -7.84 | 0.56 | 2.14 | 40.67 |
| | | | | | | /BIA | | 42.08 | 03/21/88 | 40.40 | 03/27/96 | | | | | |
| | | | | | | | | 41.70 | 03/21/89 | 40.76 | 10/18/96 | | | | | |
| | | | | | | | | 42.50 | 12/17/89 | 40.47 | 03/27/97 | | | | | |
| | | | | | | | | 41.70 | 03/14/90 | 39.75 | 10/15/97 | | | | | |
| | | | | | | | | 41.85 | 10/25/90 | 40.50 | 03/27/98 | | | | | |
| | | | | | | | | 41.10 | 03/12/91 | 40.70 | 10/28/98 | | | | | |
| | | | | | | | | 42.05 | 10/24/91 | 39.94 | 03/23/99 | | | | | |
| | | | | | | | | 41.65 | 04/05/92 | | | | | | | |
| | | | | | | | | 42.25 | 11/04/92 | | | | | | | |
| | | | | | | | | 41.79 | 03/17/93 | | | | | | | |
| | | | | | | | | 40.38 | 11/03/93 | | | | | | | |
| | | | | | | | | 40.14 | 03/18/94 | | | | | | | |
| | | | | | | | | 40.58 | 11/25/94 | | | | | | | |
| | | | | | | | | 40.23 | 03/20/95 | | | | | | | |
| T02N | R61W | 11 | SWSWSW | Calvert,R. | 8309 R | Qa1 | 4670 | 23.40 | 03/30/62 | 51.02 | 11/05/95 | DWR | -26.20 | -1.65 | -8.21 | 46.81 |
| | | | | | | /BIA | | 41.39 | 03/21/88 | 47.80 | 03/27/96 | | | | | |
| | | | | | | | | 42.20 | 03/21/89 | 51.36 | 10/18/96 | | | | | |
| | | | | | | | | 43.00 | 12/17/89 | 60.02 | 03/27/97 | | | | | |
| | | | | | | | | 44.90 | 03/14/90 | 48.12 | 10/15/97 | | | | | |
| | | | | | | | | 44.80 | 10/25/90 | 47.95 | 03/27/98 | | | | | |
| | | | | | | | | 43.75 | 03/12/91 | 51.34 | 10/28/98 | | | | | |
| | | | | | | | | 51.89 | 10/24/91 | 49.60 | 03/23/99 | | | | | |
| | | | | | | | | 45.40 | 04/05/92 | | | | | | | |
| | | | | | | | | 49.17 | 11/04/92 | | | | | | | |
| | | | | | | | | 46.25 | 03/17/93 | | | | | | | |
| | | | | | | | | 48.18 | 11/03/93 | | | | | | | |
| | | | | | | | | 45.98 | 03/18/94 | | | | | | | |
| | | | | | | | | 51.80 | 11/25/94 | | | | | | | |
| | | | | | | | | 47.25 | 03/20/95 | | | | | | | |

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1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|-------------|---------|--------------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T02N | R63W | 01 | NWSESE | Sargent, B. | 13963 R | Qoa | 4715 | 13.20 | 03/29/62 | 19.50 | 11/05/95 | DWR | -6.30 | 0.00 | 1.00 | 20.14 |
| | | | | | | LCA | | 20.50 | 03/21/88 | 19.50 | 03/27/96 | | | | | |
| | | | | | | | | 20.05 | 03/21/89 | 19.50 | 10/18/96 | | | | | |
| | | | | | | | | 21.10 | 12/17/89 | 19.50 | 03/27/97 | | | | | |
| | | | | | | | | 20.75 | 03/14/90 | 19.50 | 10/15/97 | | | | | |
| | | | | | | | | 23.00 | 10/25/90 | 19.50 | 03/27/98 | | | | | |
| | | | | | | | | 20.50 | 03/12/91 | 19.50 | 10/29/98 | | | | | |
| | | | | | | | | 23.94 | 10/24/91 | 19.50 | 03/23/99 | | | | | |
| | | | | | | | | 19.20 | 04/05/92 | | | | | | | |
| | | | | | | | | 20.50 | 11/04/92 | | | | | | | |
| | | | | | | | | 19.39 | 03/17/93 | | | | | | | |
| | | | | | | | | 19.50 | 11/03/93 | | | | | | | |
| | | | | | | | | 19.50 | 03/18/94 | | | | | | | |
| | | | | | | | | 19.50 | 11/28/94 | | | | | | | |
| | | | | | | | | 19.50 | 03/20/95 | | | | | | | |
| T02N | R65W | 04 | NWNWSW | Hill, O. | 5 R | Qoav/ BEC | 4880 | 50.00 | 04/01/49 | 44.35 | 01/11/96 | CCWC | 1.20 | -0.72 | 0.00 | 45.08 |
| | | | | | | | | 0.00 | / / | 0.00 | / / | | | | | |
| | | | | | | | | 39.30 | 03/29/89 | 47.95 | 11/19/96 | | | | | |
| | | | | | | | | 40.27 | 10/19/89 | 46.35 | 03/21/97 | | | | | |
| | | | | | | | | 39.48 | 03/27/90 | 48.00 | 12/16/97 | | | | | |
| | | | | | | | | 42.66 | 10/17/90 | 48.08 | 04/30/98 | | | | | |
| | | | | | | | | 42.55 | 04/10/91 | 60.48 | 10/26/98 | | | | | |
| | | | | | | | | 0.00 | / / | 48.80 | 03/31/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 42.39 | 03/24/93 | | | | | | | |
| | | | | | | | | 40.82 | 10/29/93 | | | | | | | |
| | | | | | | | | 39.55 | 04/15/94 | | | | | | | |
| | | | | | | | | 45.25 | 11/02/94 | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |

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1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|-----|----------------------------|---------|-------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T02N | R65W | 25 | | SENE Shaklee, Geo. & Zelda | 3275 F | Qoav/ | 4904 | 6.00 | 03/16/61 | 0.00 | / / | CCWC | 0.35 | 0.25 | 0.00 | 6.87 |
| | | | | | | BEC | | 0.00 | / / | 0.00 | / / | | | | | |
| | | | | | | | | 0.00 | / / | 7.00 | 11/19/96 | | | | | |
| | | | | | | | | 0.00 | / / | 5.90 | 05/05/97 | | | | | |
| | | | | | | | | 0.00 | / / | 7.90 | 12/15/97 | | | | | |
| | | | | | | | | 0.00 | / / | 5.90 | 04/30/98 | | | | | |
| | | | | | | | | 0.00 | / / | 5.95 | 11/25/98 | | | | | |
| | | | | | | | | 0.00 | / / | 5.65 | 05/20/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 6.87 | 03/28/94 | | | | | | | |
| | | | | | | | | 10.20 | 10/25/94 | | | | | | | |
| | | | | | | | | 7.29 | 04/24/95 | | | | | | | |
| T02N | R65W | 32 | | NENWNE Bergstom, R. | 12683 R | Qoav/ | 4920 | 38.00 | 06/01/35 | 41.45 | 11/03/95 | CCWC | -3.83 | -1.33 | 0.00 | 38.50 |
| | | | | | | BEC | | 0.00 | / / | 40.90 | 04/25/96 | | | | | |
| | | | | | | | | 27.00 | 03/23/89 | 42.57 | 11/19/96 | | | | | |
| | | | | | | | | 38.13 | 10/19/89 | 42.65 | 03/21/97 | | | | | |
| | | | | | | | | 32.65 | 03/27/90 | 40.50 | 10/07/97 | | | | | |
| | | | | | | | | 32.65 | 10/17/90 | 40.50 | 04/30/98 | | | | | |
| | | | | | | | | 34.25 | 04/10/91 | 45.29 | 10/27/98 | | | | | |
| | | | | | | | | 0.00 | / / | 41.83 | 03/31/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 34.20 | 03/24/93 | | | | | | | |
| | | | | | | | | 40.15 | 10/29/93 | | | | | | | |
| | | | | | | | | 34.70 | 04/15/94 | | | | | | | |
| | | | | | | | | 44.96 | 11/02/94 | | | | | | | |
| | | | | | | | | 39.27 | 04/25/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|-------------|--------|-------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T02N | R66W | 31 | SESWNE | Sakata, B. | 6818 R | Qt | 4894 | 17.00 | 05/01/35 | 17.50 | 10/31/95 | CCWC | -3.60 | -2.10 | 0.00 | 19.22 |
| | | | | | | /USP | | 0.00 | / / | 0.00 | / / | | | | | |
| | | | | | | | | 21.60 | 04/06/89 | 19.35 | 11/14/96 | | | | | |
| | | | | | | | | 17.99 | 10/13/89 | 19.90 | 04/14/97 | | | | | |
| | | | | | | | | 19.65 | 03/26/90 | 19.80 | 10/15/97 | | | | | |
| | | | | | | | | 19.57 | 10/09/90 | 18.50 | 04/29/98 | | | | | |
| | | | | | | | | 20.05 | 04/01/91 | 19.30 | 11/24/98 | | | | | |
| | | | | | | | | 18.43 | 10/24/91 | 20.60 | 03/24/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 18.90 | 03/16/93 | | | | | | | |
| | | | | | | | | 20.70 | 10/06/93 | | | | | | | |
| | | | | | | | | 18.45 | 04/27/94 | | | | | | | |
| | | | | | | | | 18.85 | 11/02/94 | | | | | | | |
| | | | | | | | | 18.98 | 04/12/95 | | | | | | | |
| T03N | R58W | 11 | SWSWSW | Shepard, D. | 6256 R | Qoa | 4365 | 53.20 | 05/27/41 | 62.95 | 11/05/95 | DWR | -9.87 | -2.13 | -3.67 | 61.05 |
| | | | | | | /SPA | | 59.40 | 03/21/88 | 60.98 | 03/27/96 | | | | | |
| | | | | | | | | 60.74 | 03/21/89 | 63.24 | 10/18/96 | | | | | |
| | | | | | | | | 62.10 | 12/17/89 | 60.73 | 03/27/97 | | | | | |
| | | | | | | | | 61.12 | 03/14/90 | 59.37 | 10/15/97 | | | | | |
| | | | | | | | | 62.10 | 10/25/90 | 60.94 | 03/27/98 | | | | | |
| | | | | | | | | 60.50 | 03/12/91 | 60.63 | 10/28/98 | | | | | |
| | | | | | | | | 63.19 | 10/24/91 | 63.07 | 03/23/99 | | | | | |
| | | | | | | | | 60.80 | 04/05/92 | | | | | | | |
| | | | | | | | | 62.10 | 11/04/92 | | | | | | | |
| | | | | | | | | 60.57 | 03/17/93 | | | | | | | |
| | | | | | | | | 61.46 | 11/03/93 | | | | | | | |
| | | | | | | | | 59.31 | 03/18/94 | | | | | | | |
| | | | | | | | | 63.30 | 11/25/94 | | | | | | | |
| | | | | | | | | 62.39 | 03/20/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|-----|---------------------|--------|-------|------|--------|----------|--------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T03N | R58W | 25 | | SWNE 3T Cattle Co. | 8644 R | Qa1 | 4355 | 34.50 | 04/16/86 | 0.00 | / / | | 0.00 | 0.00 | 0.00 | 27.10 |
| | | | | | | /SPA | | 0.00 | / / | 0.00 | / / | | | | | |
| | | | | | | | | 0.00 | / / | 22.00 | 11/19/96 | | | | | |
| | | | | | | | | 0.00 | / / | 0.00 | / / | | | | | |
| | | | | | | | | 0.00 | / / | 22.10 | 01/13/98 | | | | | |
| | | | | | | | | 0.00 | / / | 0.00 | / / | | | | | |
| | | | | | | | | 0.00 | / / | 21.75 | 10/14/98 | | | | | |
| | | | | | | | | 0.00 | / / | 0.00 | / / | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 26.10 | 03/25/94 | | | | | | | |
| | | | | | | | | 36.95 | 09/28/94 | | | | | | | |
| | | | | | | | | 26.30 | 05/10/95 | | | | | | | |
| T03N | R60W | 22 | | SWSWSW Holden, B.A. | 4422 R | Qa1 | 4568 | 79.00 | 04/11/38 | 109.72 | 11/05/95 | DWR | -34.50 | 1.80 | -10.50 | 107.43 |
| | | | | | | /BIA | | 103.00 | 03/22/88 | 113.95 | 03/27/96 | | | | | |
| | | | | | | | | 104.40 | 03/21/89 | 112.23 | 10/18/96 | | | | | |
| | | | | | | | | 0.00 | / / | 112.23 | 03/27/97 | | | | | |
| | | | | | | | | 0.00 | / / | 111.15 | 10/15/97 | | | | | |
| | | | | | | | | 0.00 | / / | 115.30 | 03/27/98 | | | | | |
| | | | | | | | | 106.80 | 03/12/91 | 114.30 | 10/28/98 | | | | | |
| | | | | | | | | 108.80 | 10/24/91 | 113.50 | 03/23/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 108.80 | 11/04/92 | | | | | | | |
| | | | | | | | | 108.56 | 03/17/93 | | | | | | | |
| | | | | | | | | 141.95 | 11/03/93 | | | | | | | |
| | | | | | | | | 110.42 | 03/18/94 | | | | | | | |
| | | | | | | | | 110.25 | 11/25/94 | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|--------------|--------|-------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T03N | R64W | 04 | SESW | L.D.S. Farms | 7067 | Qoa/B | 4743 | 19.60 | 03/20/64 | 20.90 | 11/05/95 | CCWC | -3.05 | -1.18 | -5.35 | 20.15 |
| | | | | | | EC | | 17.30 | 03/21/88 | 19.44 | 03/27/96 | | | | | |
| | | | | | | | | 18.20 | 03/31/89 | 0.00 | / / | | | | | |
| | | | | | | | | 20.50 | 12/17/89 | 0.00 | / / | | | | | |
| | | | | | | | | 19.80 | 03/14/90 | 22.12 | 12/15/97 | | | | | |
| | | | | | | | | 23.30 | 10/25/90 | 21.47 | 04/30/98 | | | | | |
| | | | | | | | | 19.95 | 03/12/91 | 23.80 | 11/25/98 | | | | | |
| | | | | | | | | 21.63 | 10/24/91 | 22.65 | 04/06/99 | | | | | |
| | | | | | | | | 20.30 | 04/05/92 | | | | | | | |
| | | | | | | | | 19.90 | 11/04/92 | | | | | | | |
| | | | | | | | | 19.50 | 03/17/93 | | | | | | | |
| | | | | | | | | 16.73 | 11/03/93 | | | | | | | |
| | | | | | | | | 17.11 | 03/18/94 | | | | | | | |
| | | | | | | | | 19.87 | 11/25/94 | | | | | | | |
| | | | | | | | | 19.11 | 03/20/95 | | | | | | | |
| T03N | R66W | 18 | SWNESW | Boulter, Wm. | 0 | Qt | 4805 | 0.00 | / / | 19.48 | 10/31/95 | CCWC | 0.00 | 1.15 | 0.00 | 21.18 |
| | | | | | | /USP | | 0.00 | / / | 22.00 | 05/09/96 | | | | | |
| | | | | | | | | 23.00 | 05/11/89 | 20.48 | 11/14/96 | | | | | |
| | | | | | | | | 21.51 | 10/16/89 | 0.00 | / / | | | | | |
| | | | | | | | | 22.20 | 03/26/90 | 19.30 | 10/15/97 | | | | | |
| | | | | | | | | 21.52 | 10/10/90 | 21.55 | 04/27/98 | | | | | |
| | | | | | | | | 22.88 | 04/01/91 | 0.00 | / / | | | | | |
| | | | | | | | | 20.30 | 10/18/91 | 20.40 | 05/20/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 21.15 | 03/16/93 | | | | | | | |
| | | | | | | | | 20.70 | 10/06/93 | | | | | | | |
| | | | | | | | | 21.62 | 04/27/94 | | | | | | | |
| | | | | | | | | 20.40 | 11/02/94 | | | | | | | |
| | | | | | | | | 21.55 | 04/25/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|------------------------------|--------|-------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T03N | R66W | 18 | SWNESW | Boulter, W. | 0 | Qt | 4805 | 0.00 | / / | 20.15 | 10/31/95 | CCWC | 0.00 | -1.12 | 0.00 | 22.01 |
| | | | | | | /USP | | 0.00 | / / | 22.30 | 05/09/96 | | | | | |
| | | | | | | | | 23.30 | 05/11/89 | 20.62 | 11/13/96 | | | | | |
| | | | | | | | | 21.43 | 10/16/89 | 22.40 | 04/14/97 | | | | | |
| | | | | | | | | 22.64 | 03/26/90 | 20.45 | 10/15/97 | | | | | |
| | | | | | | | | 21.77 | 10/10/90 | 22.88 | 04/29/98 | | | | | |
| | | | | | | | | 23.25 | 04/01/91 | 0.00 | / / | | | | | |
| | | | | | | | | 21.10 | 10/18/91 | 24.00 | 05/20/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 22.62 | 03/16/93 | | | | | | | |
| | | | | | | | | 21.21 | 10/16/94 | | | | | | | |
| | | | | | | | | 22.35 | 04/27/94 | | | | | | | |
| | | | | | | | | 21.22 | 11/02/94 | | | | | | | |
| | | | | | | | | 22.40 | 04/25/95 | | | | | | | |
| T03N | R67W | 15 | | SENE Richardson, C.M. & G.L. | 10712 | Qal | 4795 | 31.00 | 07/18/63 | 0.00 | / / | CCWC | 4.75 | 0.00 | 0.00 | 25.24 |
| | | | | | | /USP | | 0.00 | / / | 0.00 | / / | | | | | |
| | | | | | | | | 0.00 | / / | 24.95 | 11/13/96 | | | | | |
| | | | | | | | | 0.00 | / / | 0.00 | / / | | | | | |
| | | | | | | | | 0.00 | / / | 26.20 | 12/16/97 | | | | | |
| | | | | | | | | 0.00 | / / | 0.00 | / / | | | | | |
| | | | | | | | | 0.00 | / / | 25.20 | 11/25/98 | | | | | |
| | | | | | | | | 0.00 | / / | 26.25 | 03/11/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 24.45 | 04/27/94 | | | | | | | |
| | | | | | | | | 24.70 | 11/01/94 | | | | | | | |
| | | | | | | | | 24.90 | 04/25/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|-------------|---------|--------------|------|--------|----------|--------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T04N | R55W | 09 | SWSWSE | Schooley,R. | 0 | Qa1 | 4175 | 11.10 | 04/23/30 | 25.38 | 11/05/95 | DWR | -19.90 | -2.89 | -2.31 | 28.28 |
| | | | | | | /SPA | | 28.70 | 03/18/88 | 28.87 | 03/27/96 | | | | | |
| | | | | | | | | 29.25 | 03/21/89 | 27.33 | 10/18/96 | | | | | |
| | | | | | | | | 29.80 | 12/17/89 | 27.25 | 03/27/97 | | | | | |
| | | | | | | | | 29.60 | 03/14/90 | 28.45 | 10/15/97 | | | | | |
| | | | | | | | | 27.80 | 10/25/90 | 28.12 | 03/12/98 | | | | | |
| | | | | | | | | 28.80 | 03/12/91 | 28.32 | 10/28/98 | | | | | |
| | | | | | | | | 27.51 | 10/24/91 | 31.01 | 03/23/99 | | | | | |
| | | | | | | | | 28.80 | 04/05/92 | | | | | | | |
| | | | | | | | | 27.42 | 11/04/92 | | | | | | | |
| | | | | | | | | 29.04 | 03/17/93 | | | | | | | |
| | | | | | | | | 25.30 | 11/03/93 | | | | | | | |
| | | | | | | | | 26.91 | 03/18/94 | | | | | | | |
| | | | | | | | | 30.67 | 11/25/94 | | | | | | | |
| | | | | | | | | 27.75 | 03/20/95 | | | | | | | |
| T04N | R59W | 31 | SESENE | Frank,E. | 13994 F | Qoav/ BIA | 4505 | 97.00 | 04/28/45 | 0.00 | / / | CCWC | -16.80 | 1.05 | 0.00 | 113.45 |
| | | | | | | | | 0.00 | / / | 113.45 | 03/12/96 | | | | | |
| | | | | | | | | 111.20 | 04/11/89 | 113.48 | 11/19/96 | | | | | |
| | | | | | | | | 113.30 | 10/16/89 | 113.05 | 03/27/97 | | | | | |
| | | | | | | | | 111.14 | 04/10/90 | 114.15 | 01/13/98 | | | | | |
| | | | | | | | | 113.90 | 10/22/90 | 114.90 | 03/31/98 | | | | | |
| | | | | | | | | 111.65 | 04/01/91 | 117.40 | 10/14/98 | | | | | |
| | | | | | | | | 115.40 | 10/17/91 | 113.85 | 05/12/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 112.82 | 03/03/93 | | | | | | | |
| | | | | | | | | 115.90 | 10/01/93 | | | | | | | |
| | | | | | | | | 119.12 | 03/25/94 | | | | | | | |
| | | | | | | | | 117.66 | 09/28/94 | | | | | | | |
| | | | | | | | | 116.21 | 05/10/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|----------------|--------|-------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T04N | R61W | 28 | NWNWNW | Eqqus Farms | 0 | Qa1 | 4480 | 30.30 | 03/02/48 | 31.45 | 11/05/95 | DWR | -4.99 | 7.27 | -1.29 | 33.26 |
| | | | | | | /SPA | | 34.00 | 03/21/88 | 36.21 | 03/27/96 | | | | | |
| | | | | | | | | 35.30 | 03/21/89 | 31.49 | 10/18/96 | | | | | |
| | | | | | | | | 32.60 | 12/17/89 | 35.79 | 03/27/97 | | | | | |
| | | | | | | | | 35.75 | 03/14/90 | 31.46 | 10/15/97 | | | | | |
| | | | | | | | | 29.35 | 10/25/90 | 42.56 | 03/12/98 | | | | | |
| | | | | | | | | 35.45 | 03/12/91 | 29.92 | 10/28/98 | | | | | |
| | | | | | | | | 28.05 | 10/24/91 | 35.29 | 03/23/99 | | | | | |
| | | | | | | | | 27.87 | 04/05/92 | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 35.68 | 03/17/93 | | | | | | | |
| | | | | | | | | 30.87 | 11/03/93 | | | | | | | |
| | | | | | | | | 34.28 | 03/18/94 | | | | | | | |
| | | | | | | | | 32.03 | 11/25/94 | | | | | | | |
| | | | | | | | | 36.02 | 03/20/95 | | | | | | | |
| T04N | R63W | 13 | SWNE | USGS Obs. Well | 0 | Qa1 | 4510 | 5.60 | 03/21/67 | 6.45 | 11/05/95 | DWR | 0.00 | -1.09 | -0.92 | 5.23 |
| | | | | | | /BEC | | 4.60 | 03/22/88 | 4.35 | 03/27/96 | | | | | |
| | | | | | | | | 6.90 | 03/21/89 | 4.12 | 10/18/96 | | | | | |
| | | | | | | | | 7.00 | 12/17/89 | 4.47 | 03/27/97 | | | | | |
| | | | | | | | | 6.20 | 03/14/90 | 4.02 | 10/15/97 | | | | | |
| | | | | | | | | 6.90 | 10/25/90 | 4.43 | 03/27/98 | | | | | |
| | | | | | | | | 3.65 | 03/12/91 | 4.85 | 10/28/98 | | | | | |
| | | | | | | | | 0.00 | / / | 5.52 | 03/23/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 6.72 | 03/17/93 | | | | | | | |
| | | | | | | | | 5.30 | 11/03/93 | | | | | | | |
| | | | | | | | | 4.54 | 03/18/94 | | | | | | | |
| | | | | | | | | 3.92 | 11/25/94 | | | | | | | |
| | | | | | | | | 5.22 | 03/20/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|-------------|---------|--------------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T04N | R64W | 01 | SWSWSW | Amigo Farms | 6230 R | Qoav/ BEC | 4615 | 18.00 | 01/01/46 | 9.27 | 11/22/95 | CCWC | 8.28 | -0.44 | 0.00 | 10.33 |
| | | | | | | | | 0.00 | / / | 7.20 | 04/09/96 | | | | | |
| | | | | | | | | 8.40 | 03/30/89 | 8.69 | 10/08/96 | | | | | |
| | | | | | | | | 10.04 | 10/20/89 | 0.00 | / / | | | | | |
| | | | | | | | | 9.08 | 03/27/90 | 8.98 | 12/15/97 | | | | | |
| | | | | | | | | 9.25 | 10/18/90 | 9.28 | 04/01/98 | | | | | |
| | | | | | | | | 12.60 | 04/17/91 | 0.00 | / / | | | | | |
| | | | | | | | | 8.60 | 10/18/91 | 9.72 | 03/25/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 9.33 | 03/23/93 | | | | | | | |
| | | | | | | | | 9.44 | 11/22/93 | | | | | | | |
| | | | | | | | | 8.61 | 03/28/94 | | | | | | | |
| | | | | | | | | 9.30 | 10/25/94 | | | | | | | |
| | | | | | | | | 9.79 | 05/10/95 | | | | | | | |
| T04N | R64W | 10 | SESESE | Dywer, T.E. | 13072 R | Qoav/ BEC | 4637 | 22.56 | 06/13/57 | 9.40 | 11/05/95 | DWR | 12.54 | -1.14 | -0.50 | 10.55 |
| | | | | | | | | 9.52 | 03/21/88 | 9.50 | 03/27/96 | | | | | |
| | | | | | | | | 10.10 | 03/21/89 | 9.68 | 10/18/96 | | | | | |
| | | | | | | | | 10.10 | 12/17/89 | 9.78 | 03/27/97 | | | | | |
| | | | | | | | | 0.00 | / / | 9.04 | 10/15/97 | | | | | |
| | | | | | | | | 12.10 | 10/25/90 | 8.88 | 03/27/98 | | | | | |
| | | | | | | | | 10.75 | 03/12/91 | 10.29 | 10/28/98 | | | | | |
| | | | | | | | | 10.42 | 10/24/91 | 10.02 | 03/23/99 | | | | | |
| | | | | | | | | 9.20 | 04/05/92 | | | | | | | |
| | | | | | | | | 10.35 | 11/04/92 | | | | | | | |
| | | | | | | | | 9.37 | 03/17/93 | | | | | | | |
| | | | | | | | | 9.95 | 11/03/93 | | | | | | | |
| | | | | | | | | 9.55 | 11/03/94 | | | | | | | |
| | | | | | | | | 10.91 | 11/25/94 | | | | | | | |
| | | | | | | | | 10.65 | 03/20/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|---------------|---------|--------------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T04N | R64W | 12 | SWSWSW | Watkins Trust | 12912 R | Qoav/ BEC | 4635 | 21.00 | 05/23/77 | 18.90 | 01/11/96 | CCWC | 2.00 | -2.00 | 0.00 | 18.23 |
| | | | | | | | | 0.00 | / / | 20.30 | 04/09/96 | | | | | |
| | | | | | | | | 17.50 | 03/30/89 | 17.41 | 10/08/96 | | | | | |
| | | | | | | | | 16.97 | 10/20/89 | 17.10 | 05/05/97 | | | | | |
| | | | | | | | | 16.67 | 03/27/90 | 17.40 | 12/15/97 | | | | | |
| | | | | | | | | 18.50 | 10/18/90 | 17.00 | 04/30/97 | | | | | |
| | | | | | | | | 18.70 | 04/17/91 | 0.00 | / / | | | | | |
| | | | | | | | | 19.40 | 10/18/91 | 19.00 | 03/25/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 17.16 | 03/23/93 | | | | | | | |
| | | | | | | | | 18.82 | 11/22/93 | | | | | | | |
| | | | | | | | | 17.05 | 03/28/94 | | | | | | | |
| | | | | | | | | 19.90 | 10/25/94 | | | | | | | |
| | | | | | | | | 17.58 | 04/24/95 | | | | | | | |
| T04N | R64W | 22 | SESWSW | Herbst, E. | 0 | Qoav/ BEC | 4668 | 0.00 | / / | 8.55 | 11/22/95 | CCWC | 0.00 | 0.00 | 0.00 | 9.45 |
| | | | | | | | | 0.00 | / / | 10.43 | 04/09/96 | | | | | |
| | | | | | | | | 9.90 | 03/30/89 | 6.90 | 10/08/96 | | | | | |
| | | | | | | | | 8.01 | 10/20/89 | 9.50 | 05/05/97 | | | | | |
| | | | | | | | | 9.40 | 03/27/90 | 9.45 | 12/15/97 | | | | | |
| | | | | | | | | 9.05 | 10/18/90 | 0.00 | 04/30/98 | | | | | |
| | | | | | | | | 10.48 | 04/17/91 | 0.00 | / / | | | | | |
| | | | | | | | | 9.30 | 10/18/91 | 10.20 | 05/20/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 9.22 | 03/23/93 | | | | | | | |
| | | | | | | | | 9.42 | 11/22/93 | | | | | | | |
| | | | | | | | | 9.37 | 03/28/94 | | | | | | | |
| | | | | | | | | 10.30 | 10/25/94 | | | | | | | |
| | | | | | | | | 11.09 | 04/24/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|-----|--------------------------|---------|-------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T04N | R65W | 18 | | NENESE Root, S. | 14189 | Qt | 4710 | 0.00 | / / | 9.40 | 10/30/95 | CCWC | 0.00 | -2.09 | 0.00 | 9.32 |
| | | | | | | /USP | | 0.00 | / / | 14.00 | 05/10/96 | | | | | |
| | | | | | | | | 9.20 | 03/29/89 | 6.40 | 11/19/96 | | | | | |
| | | | | | | | | 6.64 | 10/16/89 | 10.20 | 03/27/97 | | | | | |
| | | | | | | | | 7.88 | 03/26/90 | 10.80 | 11/05/97 | | | | | |
| | | | | | | | | 6.13 | 10/10/90 | 8.57 | 03/27/98 | | | | | |
| | | | | | | | | 9.78 | 04/09/91 | 0.00 | / / | | | | | |
| | | | | | | | | 10.70 | 10/18/91 | 10.66 | 03/23/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 10.83 | 10/05/93 | | | | | | | |
| | | | | | | | | 8.67 | 04/07/94 | | | | | | | |
| | | | | | | | | 9.00 | 11/01/94 | | | | | | | |
| | | | | | | | | 9.65 | 04/16/95 | | | | | | | |
| T04N | R66W | 09 | | SWSESW Monfort Feed Lots | 12010 R | Qt | 4735 | 25.30 | 04/28/47 | 32.85 | 10/27/95 | DWR | -7.90 | -0.55 | -1.00 | 31.82 |
| | | | | | | /USP | | 32.20 | 03/16/88 | 33.80 | 03/19/96 | | | | | |
| | | | | | | | | 33.00 | 03/11/89 | 31.30 | 10/22/96 | | | | | |
| | | | | | | | | 32.00 | 10/15/89 | 32.85 | 03/19/97 | | | | | |
| | | | | | | | | 32.70 | 03/12/90 | 32.05 | 10/17/97 | | | | | |
| | | | | | | | | 30.75 | 10/22/90 | 32.65 | 03/12/98 | | | | | |
| | | | | | | | | 32.30 | 03/05/91 | 33.10 | 10/07/98 | | | | | |
| | | | | | | | | 31.50 | 10/16/91 | 33.20 | 03/19/99 | | | | | |
| | | | | | | | | 0.00 | 03/24/92 | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 30.20 | 03/12/93 | | | | | | | |
| | | | | | | | | 30.75 | 10/25/93 | | | | | | | |
| | | | | | | | | 32.40 | 03/29/94 | | | | | | | |
| | | | | | | | | 31.20 | 10/27/94 | | | | | | | |
| | | | | | | | | 32.20 | 03/15/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|--------------|---------|--------------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T04N | R66W | 14 | NENENW | Ewing, W.H. | 12040 R | Qoav/ USP | 4725 | 16.00 | 04/01/51 | 25.18 | 10/30/95 | CCWC | -13.90 | -0.13 | 0.00 | 27.43 |
| | | | | | | | | 0.00 | / / | 30.18 | 05/09/96 | | | | | |
| | | | | | | | | 28.70 | 03/29/89 | 28.18 | 11/13/96 | | | | | |
| | | | | | | | | 27.69 | 10/16/89 | 29.50 | 03/31/97 | | | | | |
| | | | | | | | | 28.33 | 03/26/90 | 27.60 | 11/05/97 | | | | | |
| | | | | | | | | 27.04 | 10/10/90 | 29.82 | 03/31/98 | | | | | |
| | | | | | | | | 28.60 | 04/09/91 | 0.00 | / / | | | | | |
| | | | | | | | | 27.30 | 10/15/91 | 29.95 | 03/19/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 26.92 | 03/16/93 | | | | | | | |
| | | | | | | | | 27.42 | 10/07/93 | | | | | | | |
| | | | | | | | | 28.30 | 05/03/94 | | | | | | | |
| | | | | | | | | 26.40 | 11/01/94 | | | | | | | |
| | | | | | | | | 28.08 | 05/10/95 | | | | | | | |
| T04N | R66W | 27 | SESENE | Lorenz, J.O. | 0 | Qoav/ USP | 4755 | 0.00 | / / | 7.60 | 01/11/96 | CCWC | 0.00 | 2.44 | 0.00 | 6.20 |
| | | | | | | | | 0.00 | / / | 7.05 | 05/08/96 | | | | | |
| | | | | | | | | 6.90 | 03/29/89 | 6.26 | 11/13/96 | | | | | |
| | | | | | | | | 5.88 | 10/16/89 | 7.30 | 03/31/97 | | | | | |
| | | | | | | | | 5.48 | 03/26/90 | 6.72 | 12/16/97 | | | | | |
| | | | | | | | | 5.67 | 10/10/90 | 7.69 | 03/31/98 | | | | | |
| | | | | | | | | 0.00 | / / | 0.00 | / / | | | | | |
| | | | | | | | | 5.90 | 10/18/91 | 5.25 | 05/20/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 5.42 | 03/16/93 | | | | | | | |
| | | | | | | | | 4.82 | 10/05/93 | | | | | | | |
| | | | | | | | | 4.75 | 04/27/94 | | | | | | | |
| | | | | | | | | 6.10 | 11/01/94 | | | | | | | |
| | | | | | | | | 6.69 | 04/16/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|--------------|--------|-------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T05N | R59W | 34 | NWSESW | Williams,G. | 0 | Qa1 | 4360 | 14.10 | 03/02/48 | 12.80 | 11/05/95 | DWR | -1.24 | 0.09 | -0.24 | 14.62 |
| | | | | | | | /SPA | 15.10 | 03/21/88 | 15.95 | 03/27/96 | | | | | |
| | | | | | | | | 17.20 | 03/21/89 | 12.08 | 10/18/96 | | | | | |
| | | | | | | | | 15.00 | 12/17/89 | 15.33 | 03/27/97 | | | | | |
| | | | | | | | | 17.25 | 03/14/90 | 10.81 | 10/15/97 | | | | | |
| | | | | | | | | 13.40 | 10/25/90 | 15.43 | 03/27/98 | | | | | |
| | | | | | | | | 16.80 | 03/12/91 | 12.11 | 10/28/98 | | | | | |
| | | | | | | | | 12.49 | 10/24/91 | 15.34 | 03/23/99 | | | | | |
| | | | | | | | | 16.33 | 04/05/92 | | | | | | | |
| | | | | | | | | 14.44 | 11/04/92 | | | | | | | |
| | | | | | | | | 17.29 | 03/17/93 | | | | | | | |
| | | | | | | | | 12.60 | 11/03/93 | | | | | | | |
| | | | | | | | | 15.41 | 03/18/94 | | | | | | | |
| | | | | | | | | 13.80 | 11/25/94 | | | | | | | |
| | | | | | | | | 15.15 | 03/20/95 | | | | | | | |
| T05N | R65W | 14 | SESW | Lorenz Farms | 0 | Qoav/ | 4612 | 0.00 | / / | 0.00 | / / | CCWC | 0.00 | 0.06 | 0.00 | 4.64 |
| | | | | | | | USP | 0.00 | / / | 3.72 | 05/13/96 | | | | | |
| | | | | | | | | 4.90 | 03/29/89 | 4.80 | 10/08/96 | | | | | |
| | | | | | | | | 0.00 | / / | 4.78 | 03/27/97 | | | | | |
| | | | | | | | | 3.05 | 03/27/90 | 4.80 | 12/10/97 | | | | | |
| | | | | | | | | 0.00 | / / | 4.80 | 03/31/98 | | | | | |
| | | | | | | | | 0.00 | / / | 4.70 | 10/28/98 | | | | | |
| | | | | | | | | 4.90 | 10/17/91 | 4.74 | 03/25/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 5.08 | 03/10/93 | | | | | | | |
| | | | | | | | | 4.75 | 10/01/93 | | | | | | | |
| | | | | | | | | 3.95 | 03/25/94 | | | | | | | |
| | | | | | | | | 5.59 | 09/28/94 | | | | | | | |
| | | | | | | | | 5.00 | 04/25/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|-----------|---------|--------------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T06N | R63W | 29 | NWNWNW | Wells,J. | 12768 R | Qoav/ SPA | 4655 | 11.30 | 03/21/62 | 13.85 | 10/27/95 | DWR | -3.13 | -2.40 | -4.83 | 12.78 |
| | | | | | | | | 9.60 | 03/16/88 | 12.95 | 03/19/96 | | | | | |
| | | | | | | | | 11.80 | 03/11/89 | 13.18 | 10/22/96 | | | | | |
| | | | | | | | | 10.80 | 10/15/89 | 12.38 | 03/19/97 | | | | | |
| | | | | | | | | 12.40 | 03/12/90 | 13.33 | 10/17/97 | | | | | |
| | | | | | | | | 11.40 | 10/22/90 | 12.03 | 03/12/98 | | | | | |
| | | | | | | | | 12.35 | 03/05/91 | 16.13 | 10/07/98 | | | | | |
| | | | | | | | | 0.00 | / / | 14.43 | 03/19/99 | | | | | |
| | | | | | | | | 13.05 | 03/24/92 | | | | | | | |
| | | | | | | | | 13.30 | 10/23/92 | | | | | | | |
| | | | | | | | | 13.90 | 03/12/93 | | | | | | | |
| | | | | | | | | 12.13 | 10/25/93 | | | | | | | |
| | | | | | | | | 11.93 | 03/29/94 | | | | | | | |
| | | | | | | | | 14.63 | 10/27/94 | | | | | | | |
| | | | | | | | | 14.18 | 03/15/95 | | | | | | | |
| T06N | R65W | 17 | SWNWNW | Farr.H.W. | 13423 R | Qoa /USP | 4763 | 25.20 | 04/21/36 | 27.20 | 10/27/95 | DWR | 0.00 | -1.20 | -1.60 | 25.50 |
| | | | | | | | | 23.60 | 03/16/88 | 25.80 | 03/19/96 | | | | | |
| | | | | | | | | 27.00 | 03/11/89 | 24.15 | 10/22/96 | | | | | |
| | | | | | | | | 22.90 | 10/15/89 | 23.75 | 03/19/97 | | | | | |
| | | | | | | | | 25.80 | 03/12/90 | 24.80 | 10/17/97 | | | | | |
| | | | | | | | | 26.50 | 10/22/90 | 24.00 | 03/12/98 | | | | | |
| | | | | | | | | 25.50 | 03/05/91 | 27.00 | 10/07/98 | | | | | |
| | | | | | | | | 26.20 | 10/16/91 | 25.20 | 03/19/99 | | | | | |
| | | | | | | | | 25.20 | 03/24/92 | | | | | | | |
| | | | | | | | | 26.90 | 10/23/92 | | | | | | | |
| | | | | | | | | 25.70 | 03/12/93 | | | | | | | |
| | | | | | | | | 26.00 | 10/25/93 | | | | | | | |
| | | | | | | | | 24.80 | 03/29/94 | | | | | | | |
| | | | | | | | | 27.40 | 10/27/94 | | | | | | | |
| | | | | | | | | 25.60 | 03/15/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|-----------|----------|--------------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T06N | R67W | 12 | NWNWNW | Felte,F. | 11267 RF | Qoav/ USP | 4850 | 9.70 | 03/24/42 | 5.40 | 10/27/95 | DWR | 1.85 | -0.95 | 0.55 | 8.77 |
| | | | | | | | | 8.40 | 03/16/88 | 7.10 | 03/19/96 | | | | | |
| | | | | | | | | 9.40 | 03/11/89 | 4.80 | 10/22/96 | | | | | |
| | | | | | | | | 13.10 | 10/15/89 | 6.35 | 03/19/97 | | | | | |
| | | | | | | | | 10.50 | 03/12/90 | 5.15 | 10/17/97 | | | | | |
| | | | | | | | | 9.75 | 10/22/90 | 6.90 | 03/12/98 | | | | | |
| | | | | | | | | 10.25 | 03/05/91 | 6.50 | 10/07/98 | | | | | |
| | | | | | | | | 9.60 | 10/16/91 | 7.85 | 03/19/99 | | | | | |
| | | | | | | | | 9.70 | 03/24/92 | | | | | | | |
| | | | | | | | | 7.90 | 10/23/92 | | | | | | | |
| | | | | | | | | 9.75 | 03/12/93 | | | | | | | |
| | | | | | | | | 6.00 | 10/25/93 | | | | | | | |
| | | | | | | | | 7.30 | 03/29/94 | | | | | | | |
| | | | | | | | | 7.50 | 10/27/94 | | | | | | | |
| | | | | | | | | 7.90 | 03/15/95 | | | | | | | |
| T08N | R65W | 29 | NENWNW | Pettit,L. | 9127 F | Qal /LTC | 4983 | 8.40 | 03/07/76 | 8.50 | 10/29/95 | DWR | -2.60 | -6.30 | -2.60 | 9.54 |
| | | | | | | | | 8.40 | 03/16/88 | 8.65 | 03/19/96 | | | | | |
| | | | | | | | | 9.60 | 03/11/89 | 4.90 | 10/22/96 | | | | | |
| | | | | | | | | 10.40 | 10/15/89 | 5.40 | 03/19/97 | | | | | |
| | | | | | | | | 11.20 | 03/12/90 | 4.75 | 10/17/98 | | | | | |
| | | | | | | | | 8.75 | 10/22/90 | 4.70 | 03/12/98 | | | | | |
| | | | | | | | | 10.50 | 03/05/91 | 6.10 | 10/07/98 | | | | | |
| | | | | | | | | 10.70 | 10/16/91 | 11.00 | 03/19/99 | | | | | |
| | | | | | | | | 10.90 | 03/24/92 | | | | | | | |
| | | | | | | | | 8.20 | 10/23/92 | | | | | | | |
| | | | | | | | | 9.40 | 03/12/93 | | | | | | | |
| | | | | | | | | 8.70 | 10/25/93 | | | | | | | |
| | | | | | | | | 8.70 | 03/29/94 | | | | | | | |
| | | | | | | | | 9.70 | 10/27/94 | | | | | | | |
| | | | | | | | | 9.30 | 03/15/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|-----------|---------|-------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T08N | R66W | 01 | NWNENW | | 0 | Qoa | 5123 | 20.10 | 05/22/57 | 23.60 | 10/27/95 | DWR | 0.00 | 0.00 | 0.00 | 23.32 |
| | | | | | | /LTC | | 22.90 | 03/16/88 | 23.40 | 03/19/96 | | | | | |
| | | | | | | | | 23.80 | 03/11/89 | 24.15 | 10/22/96 | | | | | |
| | | | | | | | | 24.70 | 10/15/89 | 24.50 | 03/19/97 | | | | | |
| | | | | | | | | 24.60 | 03/12/90 | 24.00 | 10/17/97 | | | | | |
| | | | | | | | | 25.00 | 10/22/90 | 22.60 | 03/12/98 | | | | | |
| | | | | | | | | 24.70 | 03/05/91 | 23.90 | 10/07/98 | | | | | |
| | | | | | | | | 25.00 | 10/16/91 | 0.00 | / / | | | | | |
| | | | | | | | | 21.95 | 03/24/92 | | | | | | | |
| | | | | | | | | 20.90 | 10/23/92 | | | | | | | |
| | | | | | | | | 21.70 | 03/12/93 | | | | | | | |
| | | | | | | | | 22.20 | 10/25/93 | | | | | | | |
| | | | | | | | | 22.90 | 03/29/94 | | | | | | | |
| | | | | | | | | 23.15 | 10/27/94 | | | | | | | |
| | | | | | | | | 23.70 | 03/15/95 | | | | | | | |
| T08N | R66W | 22 | NENENE | Jones, T. | 11303 R | Qoa | 5070 | 20.20 | 04/13/51 | 21.73 | 10/27/95 | DWR | -0.38 | -1.15 | -4.08 | 20.92 |
| | | | | | | /LTC | | 16.50 | 03/16/88 | 21.73 | 03/19/96 | | | | | |
| | | | | | | | | 20.00 | 03/11/89 | 20.88 | 10/22/96 | | | | | |
| | | | | | | | | 20.90 | 10/15/89 | 20.98 | 03/19/97 | | | | | |
| | | | | | | | | 21.20 | 03/12/90 | 21.63 | 10/17/97 | | | | | |
| | | | | | | | | 21.35 | 10/22/90 | 19.43 | 03/12/98 | | | | | |
| | | | | | | | | 21.60 | 03/05/91 | 20.63 | 10/07/98 | | | | | |
| | | | | | | | | 21.60 | 10/16/91 | 20.58 | 03/19/99 | | | | | |
| | | | | | | | | 21.30 | 03/24/92 | | | | | | | |
| | | | | | | | | 22.10 | 10/23/92 | | | | | | | |
| | | | | | | | | 22.60 | 03/12/93 | | | | | | | |
| | | | | | | | | 21.33 | 10/25/93 | | | | | | | |
| | | | | | | | | 21.78 | 03/29/94 | | | | | | | |
| | | | | | | | | 21.63 | 10/27/94 | | | | | | | |
| | | | | | | | | 21.88 | 03/15/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|------------------|--------|-------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T09N | R51W | 10 | SWSWSW | Stieb Bros. Inc. | 5316 | F Qal | 3830 | 8.00 | 03/01/64 | 9.11 | 10/31/95 | DWR | -1.12 | 0.61 | 0.00 | 9.02 |
| | | | | | | /SPA | | 0.00 | / / | 0.00 | / / | | | | | |
| | | | | | | | | 0.00 | / / | 8.03 | 10/14/96 | | | | | |
| | | | | | | | | 0.00 | / / | 9.87 | 04/29/97 | | | | | |
| | | | | | | | | 0.00 | / / | 0.00 | / / | | | | | |
| | | | | | | | | 0.00 | / / | 9.73 | 04/21/98 | | | | | |
| | | | | | | | | 9.45 | 03/28/91 | 9.27 | 11/18/98 | | | | | |
| | | | | | | | | 0.00 | / / | 9.12 | 04/27/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 8.10 | 07/24/94 | | | | | | | |
| | | | | | | | | 8.86 | 10/31/94 | | | | | | | |
| | | | | | | | | 9.65 | 04/13/95 | | | | | | | |
| T09N | R51W | 31 | NWNWNW | MacNiel, N. | 9322 | F Qal | 3865 | 4.50 | 03/18/48 | 5.78 | 10/31/95 | DWR | -2.64 | -0.76 | -1.44 | 6.34 |
| | | | | | | /SPA | | 5.70 | 03/18/88 | 5.60 | 04/22/96 | | | | | |
| | | | | | | | | 7.20 | 03/30/89 | 5.70 | 10/14/96 | | | | | |
| | | | | | | | | 6.00 | 11/14/89 | 6.78 | 04/29/97 | | | | | |
| | | | | | | | | 7.80 | 04/02/90 | 5.87 | 11/05/97 | | | | | |
| | | | | | | | | 7.00 | 10/31/90 | 6.38 | 04/21/98 | | | | | |
| | | | | | | | | 5.82 | 03/29/91 | 7.03 | 11/18/98 | | | | | |
| | | | | | | | | 6.80 | 11/08/91 | 7.14 | 04/27/99 | | | | | |
| | | | | | | | | 7.53 | 03/25/92 | | | | | | | |
| | | | | | | | | 7.10 | 11/16/92 | | | | | | | |
| | | | | | | | | 6.25 | 06/08/93 | | | | | | | |
| | | | | | | | | 5.78 | 11/08/93 | | | | | | | |
| | | | | | | | | 6.05 | 04/07/94 | | | | | | | |
| | | | | | | | | 6.30 | 10/31/94 | | | | | | | |
| | | | | | | | | 5.81 | 04/13/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|------------------|---------|-------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T10N | R49W | 02 | SWNWSW | Longman, M. & E. | 11125 R | Qa1 | 3711 | 7.00 | 03/07/60 | 6.08 | 10/31/95 | DWR | 0.07 | -0.89 | -0.93 | 6.65 |
| | | | | | | /SPA | | 6.00 | 01/18/88 | 6.38 | 04/22/96 | | | | | |
| | | | | | | | | 7.00 | 03/30/89 | 5.67 | 10/14/96 | | | | | |
| | | | | | | | | 8.00 | 11/14/89 | 7.12 | 04/29/97 | | | | | |
| | | | | | | | | 6.70 | 04/02/90 | 6.08 | 11/05/97 | | | | | |
| | | | | | | | | 7.25 | 10/31/90 | 6.04 | 04/21/98 | | | | | |
| | | | | | | | | 6.33 | 03/28/91 | 6.98 | 11/18/98 | | | | | |
| | | | | | | | | 6.70 | 11/08/91 | 6.93 | 04/27/99 | | | | | |
| | | | | | | | | 7.42 | 03/25/92 | | | | | | | |
| | | | | | | | | 7.05 | 11/16/92 | | | | | | | |
| | | | | | | | | 6.75 | 06/08/93 | | | | | | | |
| | | | | | | | | 6.47 | 11/08/93 | | | | | | | |
| | | | | | | | | 6.45 | 04/07/94 | | | | | | | |
| | | | | | | | | 6.43 | 10/31/94 | | | | | | | |
| | | | | | | | | 6.20 | 04/13/95 | | | | | | | |
| T11N | R45W | 05 | NENWNW | Hilderman, F.G. | 8325 R | Qa1 | 3540 | 15.50 | 03/22/59 | 16.60 | 10/31/95 | DWR | -1.59 | 1.83 | -1.09 | 17.15 |
| | | | | | | /SPA | | 16.00 | 03/18/88 | 16.90 | 04/22/96 | | | | | |
| | | | | | | | | 17.40 | 03/31/89 | 15.00 | 10/14/96 | | | | | |
| | | | | | | | | 17.80 | 10/31/89 | 17.83 | 04/29/97 | | | | | |
| | | | | | | | | 18.00 | 04/02/90 | 15.37 | 11/05/97 | | | | | |
| | | | | | | | | 17.75 | 10/31/90 | 18.92 | 04/21/98 | | | | | |
| | | | | | | | | 17.03 | 03/28/91 | 15.96 | 11/18/98 | | | | | |
| | | | | | | | | 18.40 | 11/08/91 | 17.09 | 04/27/99 | | | | | |
| | | | | | | | | 17.64 | 03/25/92 | | | | | | | |
| | | | | | | | | 17.10 | 11/16/92 | | | | | | | |
| | | | | | | | | 17.43 | 06/08/93 | | | | | | | |
| | | | | | | | | 16.53 | 11/08/93 | | | | | | | |
| | | | | | | | | 17.05 | 04/07/94 | | | | | | | |
| | | | | | | | | 18.47 | 10/31/94 | | | | | | | |
| | | | | | | | | 18.60 | 04/13/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|----------------|--------|-------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T11N | R45W | 06 | NWNENE | Williamson, L. | 2087 F | Qa1 | 3542 | 20.00 | 05/04/59 | 19.43 | 10/31/95 | DWR | 0.29 | -0.73 | -1.01 | 19.82 |
| | | | | | | /SPA | | 18.70 | 03/18/88 | 19.72 | 04/22/96 | | | | | |
| | | | | | | | | 19.96 | 03/31/89 | 18.91 | 10/14/96 | | | | | |
| | | | | | | | | 19.90 | 11/14/89 | 19.61 | 04/29/97 | | | | | |
| | | | | | | | | 20.45 | 04/02/90 | 19.01 | 11/05/97 | | | | | |
| | | | | | | | | 20.20 | 10/31/90 | 18.98 | 04/21/98 | | | | | |
| | | | | | | | | 19.25 | 03/28/91 | 0.00 | / / | | | | | |
| | | | | | | | | 20.65 | 11/08/91 | 19.71 | 04/27/99 | | | | | |
| | | | | | | | | 21.03 | 03/25/92 | | | | | | | |
| | | | | | | | | 19.30 | 11/16/92 | | | | | | | |
| | | | | | | | | 19.81 | 06/08/93 | | | | | | | |
| | | | | | | | | 19.12 | 11/08/93 | | | | | | | |
| | | | | | | | | 18.70 | 04/07/94 | | | | | | | |
| | | | | | | | | 21.80 | 10/31/94 | | | | | | | |
| | | | | | | | | 21.20 | 04/13/95 | | | | | | | |
| T11N | R47W | 28 | NWNWNW | Davidson, W.C. | 7034 R | Qa1 | 3624 | 3.70 | 03/02/49 | 3.94 | 10/31/95 | DWR | -1.41 | -0.46 | -1.81 | 4.61 |
| | | | | | | /SPA | | 3.30 | 03/18/88 | 4.62 | 04/22/96 | | | | | |
| | | | | | | | | 5.20 | 03/31/89 | 3.30 | 10/14/96 | | | | | |
| | | | | | | | | 7.45 | 11/14/89 | 5.05 | 04/29/97 | | | | | |
| | | | | | | | | 6.00 | 04/02/90 | 3.67 | 11/05/97 | | | | | |
| | | | | | | | | 5.50 | 10/31/90 | 4.65 | 04/21/98 | | | | | |
| | | | | | | | | 3.90 | 03/28/91 | 5.40 | 11/18/98 | | | | | |
| | | | | | | | | 5.70 | 11/08/91 | 5.11 | 04/27/99 | | | | | |
| | | | | | | | | 4.63 | 03/25/92 | | | | | | | |
| | | | | | | | | 5.60 | 11/16/92 | | | | | | | |
| | | | | | | | | 4.71 | 06/08/93 | | | | | | | |
| | | | | | | | | 5.30 | 11/08/93 | | | | | | | |
| | | | | | | | | 4.60 | 04/07/94 | | | | | | | |
| | | | | | | | | 6.80 | 10/31/94 | | | | | | | |
| | | | | | | | | 4.85 | 04/13/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|---------------|--------|-------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | S99 |
| | | | | | | | | | | | | | 1999 | | | |
| T12N | R44W | 22 | SWNESE | USGS Obs.Well | 0 | Qa1 | 3450 | 9.20 | 03/20/68 | 8.23 | 10/31/95 | DWR | 2.32 | -0.15 | 2.42 | 7.77 |
| | | | | | | /SPA | | 9.30 | 03/18/88 | 7.45 | 04/22/96 | | | | | |
| | | | | | | | | 7.80 | 03/31/89 | 6.81 | 10/14/96 | | | | | |
| | | | | | | | | 8.05 | 11/14/89 | 7.17 | 04/29/97 | | | | | |
| | | | | | | | | 8.20 | 03/22/90 | 6.66 | 11/05/97 | | | | | |
| | | | | | | | | 7.95 | 10/31/90 | 6.73 | 04/21/98 | | | | | |
| | | | | | | | | 9.71 | 03/28/91 | 6.74 | 11/18/98 | | | | | |
| | | | | | | | | 9.00 | 11/08/91 | 6.88 | 04/27/99 | | | | | |
| | | | | | | | | 6.53 | 03/25/92 | | | | | | | |
| | | | | | | | | 6.55 | 11/16/92 | | | | | | | |
| | | | | | | | | 6.48 | 06/08/93 | | | | | | | |
| | | | | | | | | 6.63 | 11/08/93 | | | | | | | |
| | | | | | | | | 6.55 | 04/07/94 | | | | | | | |
| | | | | | | | | 8.25 | 10/31/94 | | | | | | | |
| | | | | | | | | 7.36 | 04/13/95 | | | | | | | |
| T12N | R44W | 26 | NESESW | Tranel,L. | 2574 F | Qa1 | 3465 | 0.00 | / / | 26.73 | 10/31/95 | DWR | 0.00 | -2.99 | -2.22 | 27.14 |
| | | | | | | /SPA | | 26.70 | 03/18/88 | 26.35 | 04/22/96 | | | | | |
| | | | | | | | | 27.40 | 03/31/89 | 25.78 | 10/14/96 | | | | | |
| | | | | | | | | 28.40 | 11/14/89 | 28.50 | 04/29/97 | | | | | |
| | | | | | | | | 27.20 | 03/22/90 | 25.96 | 11/05/97 | | | | | |
| | | | | | | | | 29.35 | 10/31/90 | 25.93 | 04/21/98 | | | | | |
| | | | | | | | | 26.70 | 03/29/91 | 27.73 | 11/18/98 | | | | | |
| | | | | | | | | 28.50 | 11/08/91 | 28.92 | 04/27/99 | | | | | |
| | | | | | | | | 27.59 | 03/25/92 | | | | | | | |
| | | | | | | | | 27.10 | 11/16/92 | | | | | | | |
| | | | | | | | | 28.40 | 06/08/93 | | | | | | | |
| | | | | | | | | 26.74 | 11/08/93 | | | | | | | |
| | | | | | | | | 26.44 | 04/07/94 | | | | | | | |
| | | | | | | | | 27.75 | 10/31/94 | | | | | | | |
| | | | | | | | | 26.45 | 04/13/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|---------------|--------|--------------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T01S | R66W | 11 | SWSWSE | Wenzel | 0 | Qoav/ USP | 5050 | 0.00 | / / | 12.35 | 11/03/95 | CCWC | 0.00 | 0.00 | 0.00 | 13.81 |
| | | | | | | | | 0.00 | / / | 13.20 | 04/25/96 | | | | | |
| | | | | | | | | 13.40 | 04/20/89 | 15.45 | 11/19/96 | | | | | |
| | | | | | | | | 16.59 | 10/16/89 | 16.50 | 03/21/97 | | | | | |
| | | | | | | | | 14.42 | 04/12/90 | 14.85 | 10/07/97 | | | | | |
| | | | | | | | | 13.35 | 10/17/90 | 0.00 | 03/21/98 | | | | | |
| | | | | | | | | 13.70 | 04/10/91 | 14.27 | 10/27/98 | | | | | |
| | | | | | | | | 14.77 | 10/24/91 | 14.60 | 03/31/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 14.40 | 03/24/93 | | | | | | | |
| | | | | | | | | 13.83 | 11/22/93 | | | | | | | |
| | | | | | | | | 13.35 | 04/27/94 | | | | | | | |
| | | | | | | | | 15.03 | 11/02/94 | | | | | | | |
| | | | | | | | | 13.75 | 04/25/95 | | | | | | | |
| T01S | R67W | 34 | SWNENW | USGS Obs.Well | 0 | Qa1 /USP | 5015 | 7.71 | 10/31/67 | 18.76 | 10/31/95 | CCWC | -10.10 | 9.54 | 0.00 | 16.67 |
| | | | | | | | | 0.00 | / / | 22.85 | 05/09/96 | | | | | |
| | | | | | | | | 10.50 | 03/30/89 | 25.10 | 11/19/96 | | | | | |
| | | | | | | | | 9.69 | 10/13/89 | 26.95 | 04/16/97 | | | | | |
| | | | | | | | | 10.45 | 03/26/90 | 26.15 | 10/15/97 | | | | | |
| | | | | | | | | 11.71 | 10/09/90 | 27.32 | 04/02/98 | | | | | |
| | | | | | | | | 0.00 | / / | 18.10 | 10/27/98 | | | | | |
| | | | | | | | | 0.00 | / / | 17.78 | 03/25/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 17.28 | 03/22/93 | | | | | | | |
| | | | | | | | | 16.33 | 10/06/93 | | | | | | | |
| | | | | | | | | 16.07 | 04/27/94 | | | | | | | |
| | | | | | | | | 19.75 | 11/02/94 | | | | | | | |
| | | | | | | | | 21.90 | 04/12/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|-------------------|---------|-------|------|-------|----------|-------|----------|-------|--------|--------|--------|-------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg. Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T02S | R65W | 23 | SWSENE | Stapleton Airport | 18380 F | Qa1 | 5300 | 0.00 | / / | 14.45 | 01/11/96 | CCWC | 0.00 | -0.18 | 0.00 | 15.12 |
| | | | | | | /TCA | | 0.00 | / / | 12.30 | 05/13/96 | | | | | |
| | | | | | | | | 17.00 | 04/20/89 | 15.46 | 11/19/96 | | | | | |
| | | | | | | | | 17.79 | 10/13/89 | 15.42 | 05/16/97 | | | | | |
| | | | | | | | | 17.42 | 04/10/90 | 13.62 | 12/15/97 | | | | | |
| | | | | | | | | 16.70 | 10/17/90 | 13.82 | 04/30/98 | | | | | |
| | | | | | | | | 16.90 | 04/18/91 | 13.60 | 11/24/98 | | | | | |
| | | | | | | | | 17.47 | 10/24/91 | 14.00 | 04/07/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 14.27 | 03/22/93 | | | | | | | |
| | | | | | | | | 14.20 | 10/27/93 | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 14.66 | 11/07/94 | | | | | | | |
| | | | | | | | | 13.76 | 04/25/95 | | | | | | | |
| T02S | R65W | 35 | SESWSE | Stapleton Airport | 18380 R | Qa1 | 5360 | 0.00 | / / | 20.25 | 01/11/96 | CCWC | 0.00 | -1.20 | 0.00 | 19.89 |
| | | | | | | /TCA | | 0.00 | / / | 20.30 | 05/13/96 | | | | | |
| | | | | | | | | 20.20 | 04/20/89 | 20.96 | 11/19/96 | | | | | |
| | | | | | | | | 22.07 | 10/13/89 | 27.00 | 05/16/97 | | | | | |
| | | | | | | | | 18.08 | 04/10/90 | 22.40 | 12/15/97 | | | | | |
| | | | | | | | | 19.83 | 10/17/90 | 20.45 | 04/30/98 | | | | | |
| | | | | | | | | 22.48 | 04/18/91 | 21.70 | 11/24/98 | | | | | |
| | | | | | | | | 19.75 | 10/24/91 | 21.65 | 04/07/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 17.29 | 03/22/93 | | | | | | | |
| | | | | | | | | 20.80 | 10/27/93 | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 20.34 | 11/07/94 | | | | | | | |
| | | | | | | | | 19.68 | 04/25/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|----------------|---------|--------------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T02S | R67W | 01 | SENWNW | Squires,G. | 14784 R | Qoav/ USP | 5065 | 29.00 | 06/23/53 | 0.00 | / / | CCWC | 0.00 | 0.00 | 0.00 | 30.04 |
| | | | | | | | | 0.00 | / / | 0.00 | / / | | | | | |
| | | | | | | | | 33.40 | 04/06/89 | 27.06 | 11/19/96 | | | | | |
| | | | | | | | | 31.26 | 10/13/89 | 30.60 | 04/15/97 | | | | | |
| | | | | | | | | 33.90 | 03/26/90 | 27.10 | 11/05/97 | | | | | |
| | | | | | | | | 32.60 | 10/09/90 | 30.86 | 04/15/98 | | | | | |
| | | | | | | | | 31.90 | 04/10/91 | 0.00 | / / | | | | | |
| | | | | | | | | 28.77 | 10/24/91 | 0.00 | / / | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 23.98 | 04/12/95 | | | | | | | |
| T04S | R65W | 28 | NESWSE | USGS Obs. Well | 0 | Qa1 /CCA | 5640 | 5.80 | 05/01/75 | 13.66 | 10/24/95 | DWR | -6.13 | -0.60 | -2.43 | 12.36 |
| | | | | | | | | 9.50 | 03/25/88 | 0.00 | / / | | | | | |
| | | | | | | | | 12.70 | 03/15/89 | 13.96 | 10/23/96 | | | | | |
| | | | | | | | | 13.40 | 10/24/89 | 14.08 | 05/09/97 | | | | | |
| | | | | | | | | 12.80 | 03/22/90 | 12.73 | 10/17/97 | | | | | |
| | | | | | | | | 13.70 | 10/25/90 | 11.33 | 05/01/98 | | | | | |
| | | | | | | | | 10.46 | 03/21/91 | 12.13 | 10/15/98 | | | | | |
| | | | | | | | | 14.10 | 10/23/91 | 11.93 | 04/05/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 12.05 | 11/01/92 | | | | | | | |
| | | | | | | | | 14.25 | 04/22/93 | | | | | | | |
| | | | | | | | | 13.41 | 10/28/93 | | | | | | | |
| | | | | | | | | 13.41 | 04/14/94 | | | | | | | |
| | | | | | | | | 13.91 | 10/31/94 | | | | | | | |
| | | | | | | | | 13.71 | 04/03/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|--------------------|---------|----------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T04S | R67S | 28 | NESENW | Denver Water Dept. | 27286 F | Qa1 /CHC | 5410 | 0.00 | / / | 18.25 | 10/24/95 | DWR | 0.00 | -1.00 | 0.00 | 20.52 |
| | | | | | | | | 0.00 | / / | 20.38 | 04/25/96 | | | | | |
| | | | | | | | | 0.00 | / / | 18.59 | 10/23/96 | | | | | |
| | | | | | | | | 0.00 | / / | 18.80 | 05/09/97 | | | | | |
| | | | | | | | | 0.00 | / / | 17.47 | 10/17/97 | | | | | |
| | | | | | | | | 0.00 | / / | 17.77 | 05/01/98 | | | | | |
| | | | | | | | | 28.56 | 03/21/91 | 12.47 | 10/15/98 | | | | | |
| | | | | | | | | 20.60 | 10/23/91 | 18.77 | 04/05/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 20.15 | 11/01/92 | | | | | | | |
| | | | | | | | | 20.85 | 04/22/93 | | | | | | | |
| | | | | | | | | 17.96 | 10/28/93 | | | | | | | |
| | | | | | | | | 18.71 | 04/14/94 | | | | | | | |
| | | | | | | | | 17.67 | 10/31/94 | | | | | | | |
| | | | | | | | | 17.59 | 04/03/95 | | | | | | | |
| T05S | R66W | 18 | SESWSE | Colo. Div. Parks | 0 | Qa1 /CHC | 5632 | 35.50 | 03/07/57 | 22.41 | 10/24/95 | DWR | 15.82 | -0.70 | -0.38 | 21.02 |
| | | | | | | | | 19.30 | 03/25/88 | 19.79 | 04/25/96 | | | | | |
| | | | | | | | | 19.80 | 03/15/89 | 22.29 | 10/23/96 | | | | | |
| | | | | | | | | 24.20 | 10/24/89 | 19.83 | 05/09/97 | | | | | |
| | | | | | | | | 22.50 | 03/22/90 | 21.58 | 10/17/97 | | | | | |
| | | | | | | | | 24.44 | 10/25/90 | 18.98 | 05/01/98 | | | | | |
| | | | | | | | | 25.52 | 03/21/91 | 19.58 | 10/15/98 | | | | | |
| | | | | | | | | 25.75 | 10/23/91 | 19.68 | 04/05/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 23.33 | 11/01/92 | | | | | | | |
| | | | | | | | | 21.50 | 04/22/93 | | | | | | | |
| | | | | | | | | 23.33 | 10/28/93 | | | | | | | |
| | | | | | | | | 19.71 | 04/14/94 | | | | | | | |
| | | | | | | | | 23.66 | 10/31/94 | | | | | | | |
| | | | | | | | | 21.08 | 04/03/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|--------------------|--------|------------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | S99 |
| | | | | | | | | | | | | | 1999 | | | |
| T05S | R68W | 17 | NESESW | Denver Water Dept. | 11555 | R Qal /USP | 5313 | 11.00 | 04/12/52 | 12.91 | 10/24/95 | DWR | -1.90 | -1.60 | 0.00 | 13.21 |
| | | | | | | | | 0.00 | / / | 13.50 | 04/25/96 | | | | | |
| | | | | | | | | 0.00 | / / | 12.67 | 10/23/96 | | | | | |
| | | | | | | | | 0.00 | / / | 12.75 | 05/09/97 | | | | | |
| | | | | | | | | 0.00 | / / | 12.60 | 10/17/97 | | | | | |
| | | | | | | | | 0.00 | / / | 11.30 | 05/01/98 | | | | | |
| | | | | | | | | 13.20 | 03/21/91 | 12.30 | 10/15/98 | | | | | |
| | | | | | | | | 14.10 | 10/23/91 | 12.90 | 04/05/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 14.05 | 11/01/92 | | | | | | | |
| | | | | | | | | 13.92 | 04/22/93 | | | | | | | |
| | | | | | | | | 13.00 | 10/28/93 | | | | | | | |
| | | | | | | | | 12.58 | 04/14/94 | | | | | | | |
| | | | | | | | | 13.00 | 10/31/94 | | | | | | | |
| | | | | | | | | 13.25 | 04/03/95 | | | | | | | |
| T05S | R68W | 31 | NENWNE | Denver Water Dept. | 2188 | F Qal /USP | 5351 | 14.00 | 08/02/59 | 17.75 | 10/24/95 | DWR | -4.17 | -1.80 | 0.00 | 18.26 |
| | | | | | | | | 0.00 | / / | 19.71 | 04/25/96 | | | | | |
| | | | | | | | | 0.00 | / / | 17.42 | 10/23/96 | | | | | |
| | | | | | | | | 0.00 | / / | 17.84 | 05/09/97 | | | | | |
| | | | | | | | | 0.00 | / / | 17.07 | 10/17/97 | | | | | |
| | | | | | | | | 0.00 | / / | 16.37 | 05/01/98 | | | | | |
| | | | | | | | | 17.88 | 03/21/91 | 17.37 | 10/15/98 | | | | | |
| | | | | | | | | 19.90 | 10/23/91 | 18.17 | 04/05/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 19.90 | 11/01/92 | | | | | | | |
| | | | | | | | | 19.08 | 04/22/93 | | | | | | | |
| | | | | | | | | 17.17 | 10/28/93 | | | | | | | |
| | | | | | | | | 17.13 | 04/14/94 | | | | | | | |
| | | | | | | | | 17.55 | 10/31/94 | | | | | | | |
| | | | | | | | | 17.84 | 04/03/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|-----------------|--------|-------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T06S | R66W | 04 | SESWNW | Cottonwood Est. | 0 | Qa1 | 5715 | 0.00 | / / | 6.38 | 10/24/95 | DWR | 0.00 | -1.40 | -1.50 | 6.22 |
| | | | | | | /CHC | | 6.00 | 03/25/88 | 6.38 | 04/25/96 | | | | | |
| | | | | | | | | 5.80 | 03/15/89 | 6.58 | 10/23/96 | | | | | |
| | | | | | | | | 6.30 | 10/24/89 | 6.67 | 05/09/97 | | | | | |
| | | | | | | | | 5.78 | 03/22/90 | 6.90 | 10/17/97 | | | | | |
| | | | | | | | | 6.38 | 10/25/90 | 6.10 | 05/01/98 | | | | | |
| | | | | | | | | 6.00 | 03/21/91 | 7.40 | 10/15/98 | | | | | |
| | | | | | | | | 6.40 | 10/23/91 | 7.50 | 04/05/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 6.15 | 11/01/92 | | | | | | | |
| | | | | | | | | 6.08 | 04/22/93 | | | | | | | |
| | | | | | | | | 6.25 | 10/28/93 | | | | | | | |
| | | | | | | | | 6.29 | 04/14/94 | | | | | | | |
| | | | | | | | | 6.75 | 10/31/94 | | | | | | | |
| | | | | | | | | 6.42 | 04/03/95 | | | | | | | |
| T06S | R66W | 08 | NENENE | Cottonwood Est. | 0 | Qa1 | 5748 | 0.00 | / / | 27.33 | 10/24/95 | DWR | 0.00 | 0.20 | 2.82 | 26.47 |
| | | | | | | /CHC | | 26.80 | 03/25/88 | 24.29 | 04/25/96 | | | | | |
| | | | | | | | | 28.00 | 03/15/89 | 25.75 | 10/23/96 | | | | | |
| | | | | | | | | 28.50 | 10/24/89 | 27.50 | 05/09/97 | | | | | |
| | | | | | | | | 26.50 | 03/22/90 | 26.28 | 10/17/97 | | | | | |
| | | | | | | | | 27.83 | 10/25/90 | 24.18 | 05/01/98 | | | | | |
| | | | | | | | | 27.27 | 03/21/91 | 23.88 | 10/15/98 | | | | | |
| | | | | | | | | 28.85 | 10/23/91 | 23.98 | 04/05/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 27.50 | 11/01/92 | | | | | | | |
| | | | | | | | | 27.75 | 04/22/93 | | | | | | | |
| | | | | | | | | 26.75 | 10/28/93 | | | | | | | |
| | | | | | | | | 26.79 | 04/14/94 | | | | | | | |
| | | | | | | | | 27.83 | 10/31/94 | | | | | | | |
| | | | | | | | | 26.50 | 04/03/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|-----|------------------------|--------|-------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T06S | R66W | 08 | | NENENE Cottonwood Est. | 0 | Qa1 | 5748 | 0.00 | / / | 27.33 | 10/24/95 | DWR | 0.00 | 0.00 | 1.77 | 27.47 |
| | | | | | | /CHC | | 27.70 | 03/25/88 | 24.29 | 04/25/96 | | | | | |
| | | | | | | | | 29.00 | 03/15/89 | 27.46 | 10/23/96 | | | | | |
| | | | | | | | | 29.30 | 10/24/89 | 26.08 | 05/09/97 | | | | | |
| | | | | | | | | 27.30 | 03/22/90 | 26.93 | 10/17/97 | | | | | |
| | | | | | | | | 28.18 | 10/25/90 | 25.93 | 05/01/98 | | | | | |
| | | | | | | | | 28.02 | 03/21/91 | 25.98 | 10/15/98 | | | | | |
| | | | | | | | | 29.65 | 10/23/91 | 25.93 | 04/05/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 29.25 | 11/01/92 | | | | | | | |
| | | | | | | | | 28.83 | 04/22/93 | | | | | | | |
| | | | | | | | | 27.50 | 10/28/94 | | | | | | | |
| | | | | | | | | 27.58 | 04/14/94 | | | | | | | |
| | | | | | | | | 28.50 | 10/31/94 | | | | | | | |
| | | | | | | | | 28.33 | 04/03/95 | | | | | | | |
| T07S | R68W | 10 | | NENWSE Clapp, F. | 0 | Qa1 | 5680 | 4.00 | 03/14/80 | 5.92 | 10/24/95 | DWR | -3.10 | -1.70 | -1.70 | 5.55 |
| | | | | | | /PCA | | 5.40 | 03/25/88 | 4.96 | 04/25/96 | | | | | |
| | | | | | | | | 5.40 | 03/15/89 | 6.21 | 10/23/96 | | | | | |
| | | | | | | | | 5.80 | 10/24/89 | 6.00 | 05/09/97 | | | | | |
| | | | | | | | | 5.50 | 03/22/90 | 5.90 | 10/17/97 | | | | | |
| | | | | | | | | 5.83 | 10/25/90 | 5.40 | 05/01/98 | | | | | |
| | | | | | | | | 5.71 | 04/21/91 | 6.85 | 10/15/98 | | | | | |
| | | | | | | | | 5.80 | 10/23/91 | 7.10 | 04/05/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 5.90 | 11/01/92 | | | | | | | |
| | | | | | | | | 5.08 | 04/22/93 | | | | | | | |
| | | | | | | | | 5.42 | 10/28/93 | | | | | | | |
| | | | | | | | | 5.50 | 04/14/94 | | | | | | | |
| | | | | | | | | 6.33 | 10/31/94 | | | | | | | |
| | | | | | | | | 5.71 | 04/03/95 | | | | | | | |

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1999

| TWN | RNG | SEC | QTR | OWNER | PERMIT | AQUIF | ELEV | WATER | DATE | WATER | DATE | MEAS. | CHANGE | CHANGE | CHANGE | REMARKS / |
|------|------|-----|--------|-------------------|---------|-------|------|-------|----------|-------|----------|-------|--------|--------|--------|------------|
| | | | | | | | LAND | LEVEL | | LEVEL | | BY | 1ST TO | S98 TO | S88 TO | Avg.Depth= |
| | | | | | | | SURF | | | | | | SPRING | S99 | S99 | |
| | | | | | | | | | | | | | 1999 | | | |
| T08S | R66W | 03 | NWSESE | CENTENNIAL MATL'S | 20706 R | Qa1 | 6120 | 8.99 | 06/01/56 | 11.46 | 10/24/95 | DWR | -3.19 | -0.60 | -1.13 | 11.91 |
| | | | | | | /CHC | | 11.05 | 03/25/88 | 11.42 | 04/25/96 | | | | | |
| | | | | | | | | 0.00 | / / | 13.58 | 10/23/96 | | | | | |
| | | | | | | | | 0.00 | / / | 12.25 | 05/09/97 | | | | | |
| | | | | | | | | 0.00 | / / | 11.68 | 10/17/97 | | | | | |
| | | | | | | | | 0.00 | / / | 11.58 | 05/01/98 | | | | | |
| | | | | | | | | 12.15 | 04/12/91 | 11.88 | 10/15/98 | | | | | |
| | | | | | | | | 12.50 | 10/23/91 | 12.18 | 04/05/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 11.75 | 11/01/92 | | | | | | | |
| | | | | | | | | 12.50 | 04/22/93 | | | | | | | |
| | | | | | | | | 11.75 | 10/28/93 | | | | | | | |
| | | | | | | | | 12.63 | 04/14/94 | | | | | | | |
| | | | | | | | | 11.66 | 10/31/94 | | | | | | | |
| | | | | | | | | 11.58 | 04/03/95 | | | | | | | |
| T08S | R67W | 27 | SESWNE | Lowell, J. | 7262 P | Qa1 | 6340 | 17.80 | 06/03/76 | 8.50 | 10/24/95 | DWR | 11.40 | 1.50 | 0.00 | 7.54 |
| | | | | | | /PCA | | 6.40 | 03/25/88 | 11.83 | 04/25/96 | | | | | |
| | | | | | | | | 7.00 | 03/15/89 | 0.00 | / / | | | | | |
| | | | | | | | | 7.30 | 10/24/89 | 0.00 | / / | | | | | |
| | | | | | | | | 7.00 | 03/22/90 | 8.40 | 10/17/97 | | | | | |
| | | | | | | | | 6.50 | 10/25/90 | 7.90 | 05/01/98 | | | | | |
| | | | | | | | | 7.56 | 04/12/91 | 5.50 | 10/15/98 | | | | | |
| | | | | | | | | 6.35 | 10/23/91 | 6.40 | 04/05/99 | | | | | |
| | | | | | | | | 0.00 | / / | | | | | | | |
| | | | | | | | | 5.20 | 11/01/92 | | | | | | | |
| | | | | | | | | 5.33 | 04/22/93 | | | | | | | |
| | | | | | | | | 8.25 | 10/28/93 | | | | | | | |
| | | | | | | | | 8.04 | 04/14/94 | | | | | | | |
| | | | | | | | | 8.58 | 10/31/94 | | | | | | | |
| | | | | | | | | 8.63 | 04/03/95 | | | | | | | |