

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

JUNE 1995



by
CHUCK ROBERTS

COLORADO DIVISION OF WATER RESOURCES
OFFICE OF THE STATE ENGINEER

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May 3, 2002

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The publications in the box are items that we decided not to keep (some turned out to be extra copies and some were sent by mistake). I'm sure someone else may have a need for these titles.

Again, thank you so much for all your help and for also putting us on your distribution list for future publications.

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

1995

By Chuck Roberts

The purpose of this report is to provide water level data for 69 wells within the Lower South Platte Alluvium for the period of Spring of 1988 through the Spring of 1995. 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 15 water level measurements 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. Figure 1 is a map showing the approximate location of the wells measured for this report. The South Platte River is shown in blue. The approximate outline of the South Platte River alluvial aquifers is depicted in red.

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 23.

An evaluation of the data of beginning water levels as compared to Spring 1995 levels reveals that approximately 43.5% of the wells have experienced a water level decline as compared to 71% reported as declining in the 1994 report. By comparison, 15.9% of the wells experienced a rise in the Spring 1995 as compared to the Spring 1988 water level. Declines of Spring 1988 to Spring 1995 range from - 0.01' to - 8.51'. 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 1995" recaps the statistics to date for this ongoing report in terms of all wells, tributary valleys, and the South Platte mainstem/floodplain.

These data also reveal that the averages of the water level declines and rises of wells within the tributary valleys, with one exception, exceed the averages of the South Platte floodplain alluvium.

The average annual water level change compared to the base year of 1988 over the past five years has averaged - 0.40 ft/yr in the floodplains and - 0.94 ft/yr in the tributary valleys. Water level rises over the past five years averaged 1.97 ft/yr (only 1 in about 7 records showing a rise) in the floodplain, and 3.60 ft/yr in the tributary valleys (about 1 in 8 exhibiting a rise).

The reader is advised that these data are based upon the measurements of only 69 wells. This represents only 2 to 4 percent of the total nonexempt wells along the South Platte system between Kassler and the Colorado-Nebraska state line.

Table of Water Level Trends of the South Platte Alluvium
through Spring 1995*

*All values in feet; (-) is decline, (+) is rise
(x) is % of group

INITIAL WATER LEVELS TO SPRING '95

SPRING '88 TO SPRING '95 WATER LEVELS

SPRING '94 TO SPRING '95 WATER LEVELS

GROUP	RISES	DECLINES	NO CHANGE/ UNRECORDED	RISES	DECLINES	NO CHANGE/ UNRECORDED	RISES	DECLINE	NO CHANGE/ UNRECORDED
<u>ALL WELLS</u>									
Number	15 (21.7)	30 (43.5)	24 (34.8)	11 (15.9)	27 (39.1)	31 (45.0)	11 (18.9)	45 (65.2)	13 (15.9)
Range of values	+0.38 to +18.02	- 0.40 to -23.9	-	+0.25 to +8.75	- 0.05 to - 5.86	-	+0.07 to +2.91	- 0.01 to - 8.51	-
Average	+6.13	- 6.12	-	+5.66	- 2.25	-	+0.7	- 1.52	-
<u>TRIBUTARY VALLEYS</u>									
Number	11 (23.9)	18 (39.1)	17	7 (15.2)	19 (41.3)	20 (43.5)	7 (15.2)	30 (65.2)	9 (19.6)
Ranges	+0.49 to 18.2	- 0.40 to - 23.9	-	+0.27 to +8.75	- 0.31 to 5.86	-	+0.20 to +2.91	- 0.07 to - 8.51	-
Average	+7.63	- 7.20	-	+5.55	- 2.86	-	+0.98	- 1.66	-
<u>MAINSTEM</u> or } So. Platte <u>FLOODPLAIN</u>									
Number	4 (17.4)	12 (52.1)	7 (30.5)	3 (13.0)	8 (34.8)	12 (52.2)	4 (17.4)	15 (65.2)	4 (17.4)
Ranges	+0.38 to +5.02	- 1.05 to - 16.6	-	+0.25 to +1.94	- .05 to - 2.60	-	+0.24 to 0.26	- 0.01 to - 5.83	-
Average	+2.01	- 4.50	-	+1.05	- 1.21	-	+0.21	- 1.25	-

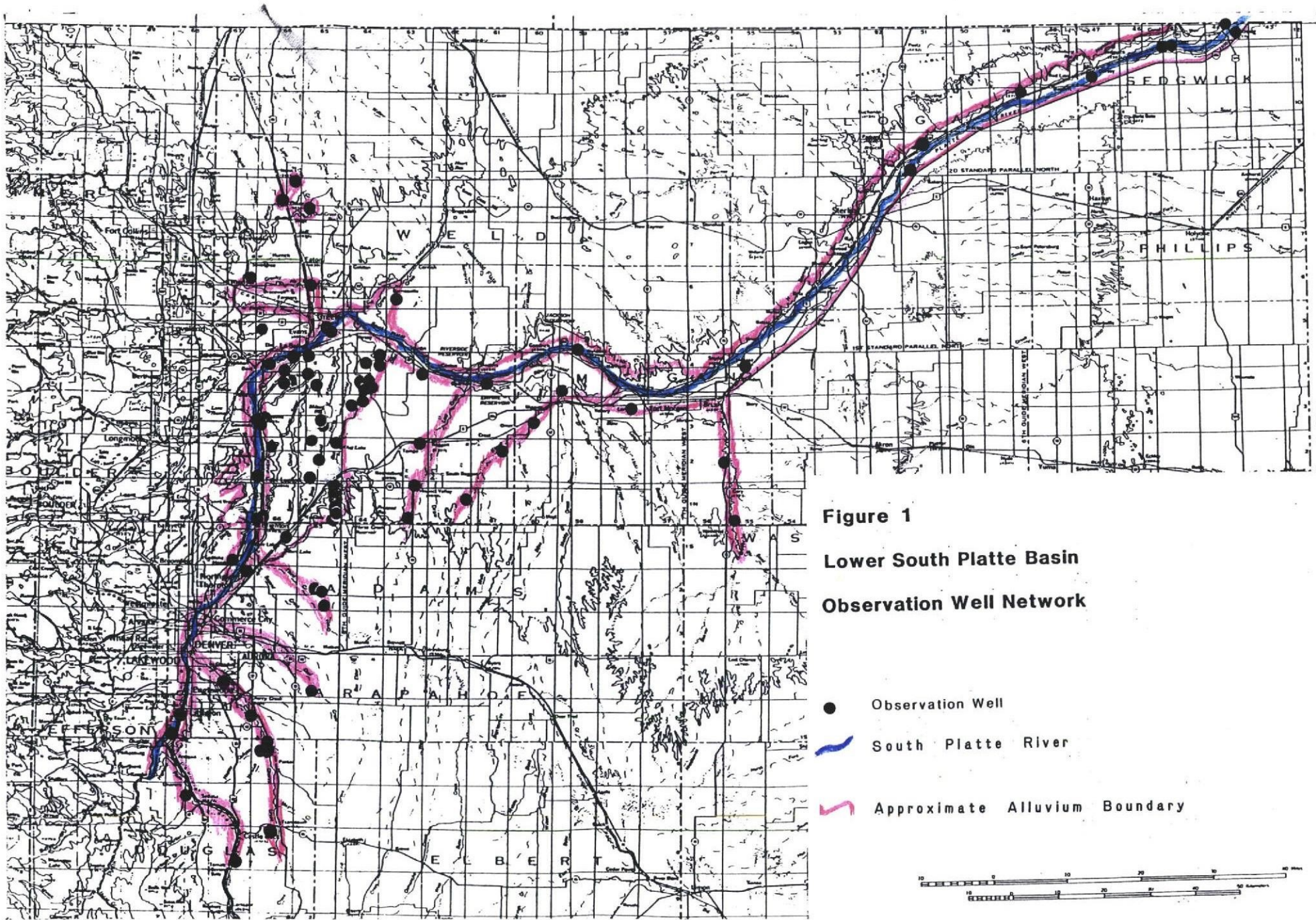
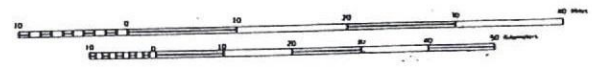


Figure 1
Lower South Platte Basin
Observation Well Network

- Observation Well
- South Platte River
- Approximate Alluvium Boundary



WATER LEVELS IN THE LOWER SOUTH PLATTE NETWORK

Explanation

All of the monitoring wells in this report are completed in unconsolidated gravel, sand silt, and clay of predominately 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 and areas along interstream divides; includes deposits of eolian origin.

Qt - Alluvium underlying terraces identified and mapped by other investigators.

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1995

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF	ELEV LAND SURF	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1995	CHANGE S94 TO S95	CHANGE S88 TO S95	REMARKS
T01N	R55W	31	SWSESW	Uhlenhopp,S.& R.	11802 R	Qal	4465	28.80	04/17/42	DWR	-4.53	-0.07	0.27	
								33.60	03/21/88					AVG. SWL=
								36.00	03/21/89					33.53
								34.70	12/17/89					
								34.70	03/14/90					
								37.80	10/25/90					
								33.70	03/12/91					
								0.00	/ /					
								0.00	/ /					
								0.00	/ /					
								35.20	03/17/93					
								35.33	11/03/93					
								33.26	03/18/94					
								34.17	11/25/94					
								33.33	03/20/95					
T01N	R62W	13	SESENE	Roark,C.H.	4874 F	Qal	4821	20.90	03/11/42	DWR	-15.40	-0.75	8.75	
								45.06	03/21/88					AVG. SWL=
								43.95	03/21/89					38.20
								43.75	12/17/89					
								42.70	03/14/90					
								0.00	/ /					
								41.15	03/12/91					
								41.95	10/24/91					
								39.58	04/05/92					
								40.00	11/04/92					
								38.72	03/17/93					
								37.20	11/03/93					
								35.56	03/18/94					
								37.00	11/25/94					
								36.30	03/20/95					
T01N	R63W	02	SWSWSW	U.S.G.S. Obs. Well	0	Qoa	4842	62.00	03/29/62	DWR	9.20	0.00	-5.44	
								47.36	03/21/88					AVG. SWL=
								49.60	03/21/89					41.10
								53.25	12/17/89					
								51.40	03/14/90					
								58.20	10/25/90					
								53.95	03/12/91					
								58.88	10/24/91					
								53.14	04/05/92					
								0.00	/ /					
								0.00	/ /					
								0.00	/ /					
								0.00	/ /					
								0.00	11/25/94					
								52.80	03/20/95					

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1995

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF	ELEV LAND SURF	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1995	CHANGE S94 TO S95	CHANGE S88 TO S95	REMARKS
T01N	R63W	34	NWNWNW	Blood,C.	14860 R	Qoa	4963	109.00	03/09/60	DWR	6.10	1.09	-5.23	
								97.67	03/21/88					AVG. SWL=
								99.20	03/21/89					101.40
								100.00	12/17/89					
								99.80	03/14/90					
								100.06	10/25/90					
								99.19	03/12/91					
								103.50	10/24/91					
								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					
T01N	R65W	01	SWSWSE	Taoka Bros.	11709 F	Qoav	4959	30.00	11/30/37	CCWC	18.02	-3.23	0.00	
								0.00	/ /					Well E9
								8.80	04/20/89					AVG. SWL=
								9.04	10/13/89					11.81
								8.90	04/10/90					
								9.88	10/17/90					
								15.65	04/18/91					
								12.10	10/24/91					
								0.00	/ /					
								0.00	/ /					
								10.21	03/23/93					
								10.95	11/22/93					
								8.75	05/05/94					
								12.00	10/25/94					
T01N	R65W	25	SESWSW	Hoffner,F.	11875 F	Qoa	5045	34.60	05/08/41	DWR	-7.33	-1.63	-4.77	
								37.16	03/21/88					AVG. SWL=
								42.35	03/21/89					39.80
								50.50	12/17/89					
								41.75	03/14/90					
								41.75	10/25/90					
								39.60	03/12/91					
								43.49	10/24/91					
								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													

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1995

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF	ELEV LAND SURF	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1995	CHANGE S94 TO S95	CHANGE S88 TO S95	REMARKS	
T01N	R66W	30	NESWNE	Saski,T.	18769 R	Qt	4951	18.40	03/27/89	DWR	0.00	0.00	0.00		
								20.30	03/24/88						MEAS.
								20.10	03/24/89						TEMP.
								17.55	10/30/89						SUSPENDED
								20.50	03/20/90						
								15.80	11/12/90						
								20.25	03/13/91						
								18.00	12/17/91						
								0.00	/ /						
								0.00	/ /						
								20.40	06/01/93						
								0.00	/ /						
								0.00	/ /						
								0.00	/ /						
								0.00	/ /						
T02N	R56W	13	NWSWSE	Peterson,C.	8822 F	Qoa	4320	32.10	04/04/62	DWR	-8.13	-0.09	1.85		
								42.08	03/21/88						AVG. SWL=
								41.70	03/21/89						40.30
								42.50	12/17/89						
								41.70	03/14/90						
								41.85	10/25/90						
								41.10	03/12/91						
								42.05	10/24/91						
								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	Qal	4670	23.40	03/30/62	DWR	-23.90	-1.27	-5.86		
								41.39	03/21/88						AVG. SWL=
								42.20	03/21/89						42.30
								43.00	12/17/89						
								44.90	03/14/90						
								44.80	10/25/90						
								43.75	03/12/91						
								51.89	10/24/91						
								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						

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
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1995

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF	ELEV	WATER	DATE	MEAS.	CHANGE	CHANGE	CHANGE	REMARKS
							LAND	LEVEL		BY	1ST TO	S94 TO	S88 TO	
							SURF				SPRING	S95	S95	
											1995			
T03N	R58W	11	SWSWSW	Shepard,D.	6256	R Qoa	4365	53.20	05/27/41	DWR	-9.19	-3.08	-2.99	
								59.40	03/21/88					AVG. SWL=
								60.74	03/21/89					59.80
								62.10	12/17/89					
								61.12	03/14/90					
								62.10	10/25/90					
								60.50	03/12/91					
								63.19	10/24/91					
								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					
T03N	R60W	22	SWSWSW	Holden,B.A.	4422	R Qal	4568	48.40	04/11/38	DWR	0.00	0.00	0.00	
								103.00	03/22/88					NOT
								104.40	03/21/89					MEASURED
								0.00	/ /					IN 1995
								0.00	/ /					
								0.00	/ /					
								106.80	03/12/91					
								108.80	10/24/91					
								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	/ /					
T03N	R64W	08	SESWSW	L.D.S. Farms	0	Qoa	4743	19.60	03/20/64	DWR	0.49	-2.00	-1.81	
								17.30	03/21/88					AVG. SWL=
								18.20	03/31/89					19.00
								20.50	12/17/89					
								19.80	03/14/90					
								23.30	10/25/90					
								19.95	03/12/91					
								21.63	10/24/91					
								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					

WATER LEVELS IN THE ALLOVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1995

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF	ELEV	WATER	DATE	MEAS.	CHANGE	CHANGE	CHANGE	REMARKS
							LAND	LEVEL		BY	1ST TO	S94 TO	S88 TO	
							SURF				SPRING	S95	S95	
											1995			
T03N	R65W	22	SESWSW	Frank, Wm.	0	Qa1	4810	4.60	03/28/62	DWR	0.00	0.00	6.70	
								6.70	03/24/88					MEAS.
								7.00	03/24/89					TEMP.
								13.75	10/30/89					SUSPENDED
								6.89	03/27/90					
								16.89	10/17/90					
								8.15	03/13/91					
								12.00	12/17/91					
								0.00	/ /					
								0.00	/ /					
								10.50	06/01/93					
								0.00	/ /					
								0.00	/ /					
								0.00	/ /					
								0.00	/ /					
T03N	R66W	18	SWNESW	Boulter, Wm.	0	Qt	4805	0.00	/ /	CCWC	0.00	0.07	0.00	
								0.00	/ /					Well F5
								23.00	05/11/89					AVG. SWL=
								21.51	10/16/89					22.05
								22.20	03/26/90					
								21.52	10/10/90					
								22.88	04/01/91					
								20.30	10/18/91					
								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					
T03N	R66W	18	SWNESW	Boulter, W.	0	Qt	4805	0.00	/ /	CCWC	0.00	-0.05	0.00	
								0.00	/ /					WELL F6
								23.30	05/11/89					AVG. SWL=
								21.43	10/16/89					22.80
								22.64	03/26/90					
								21.77	10/10/90					
								23.25	04/01/91					
								21.10	10/18/91					
								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					

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1995

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF	ELEV LAND SURF	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1995	CHANGE S94 TO S95	CHANGE S88 TO S95	REMARKS						
T04N	R55W	09	SWSWSE	Schooley,R.	0	Qal	4175	11.10	04/23/30	DWR	-16.60	-0.84	0.95							
								28.70	03/18/88											
								29.25	03/21/89											
								29.80	12/17/89											
								29.60	03/14/90											
								27.80	10/25/90											
								28.80	03/12/91											
								27.51	10/24/91											
								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	4505	97.00	04/28/45	CCWC	-19.20	2.91	0.00							
								0.00	/ /											
								111.20	04/11/89											
								113.30	10/16/89											
								111.14	04/10/90											
								113.90	10/22/90											
								111.65	04/01/91											
								115.40	10/17/91											
								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											
T04N	R61W	28	NWNWNW	Egqus Farms	0	Qal	4480	30.30	03/02/48	DWR	-5.72	-1.74	-2.02							
								34.00	03/21/88											
								35.30	03/21/89											
								32.60	12/17/89											
								35.75	03/14/90											
								29.35	10/25/90											
								35.45	03/12/91											
								28.05	10/24/91											
								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											

AVG. SWL=
26.70

Well A1
AVG.
SWL=111.34

AVG. SWL=
33.80

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1995

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF	ELEV	WATER	DATE	MEAS.	CHANGE	CHANGE	CHANGE	REMARKS
							LAND	LEVEL		BY	1ST TO	S94 TO	S88 TO	
							SURF				SPRING	S95	S95	
											1995			
T04N	R63W	13	S	USGS Obs. Well	0	Qal	4510	5.60	03/21/67	DWR	0.38	-0.68	-0.62	
								4.60	03/22/88					AVG. SWL=
								6.90	03/21/89					5.40
								7.00	12/17/89					
								6.20	03/14/90					
								6.90	10/25/90					
								3.65	03/12/91					
								0.00	/ /					
								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					
T04N	R64W	01	S	Amigo Farms	6230 R	Qoav	4615	18.00	01/01/46	CCWC	8.21	-1.18	0.00	
								0.00	/ /					Well E2
								8.40	03/30/89					AVG. SWL=
								10.04	10/20/89					10.80
								9.08	03/27/90					
								9.25	10/18/90					
								12.60	04/17/91					
								8.60	10/18/91					
								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	S	Dywer, T.E.	13072 R	Qoav	4637	22.56	06/13/57	DWR	11.91	-1.10	-1.13	
								9.52	03/21/88					AVG. SWL=
								10.10	03/21/89					11.47
								10.10	12/17/89					
								0.00	/ /					
								12.10	10/25/90					
								10.75	03/12/91					
								10.42	10/24/91					
								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
1995

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF	ELEV	WATER	DATE	MEAS.	CHANGE	CHANGE	CHANGE	REMARKS
							LAND	LEVEL		BY	1ST TO	S94 TO	S88 TO	
							SURF				SPRING	S95	S95	
											1995			
TO4N	R64W	12	SWSWSW	Watkins Trust	12912 R	Qoav	4635	21.00	05/23/77	CCWC	3.42	-0.53	0.00	
								0.00	/ /					Well E4
								17.50	03/30/89					AVG.
								16.97	10/20/89					SWL=18.00
								16.67	03/27/90					
								18.50	10/18/90					
								18.70	04/17/91					
								19.40	10/18/91					
								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					
TO4N	R64W	22	SESWSW	Herbst, E.	0	Qoav	4668	0.00	/ /	CCWC	0.00	-1.72	0.00	
								0.00	/ /					Well E5
								9.90	03/30/89					AVG.
								8.01	10/20/89					SWL=9.90
								9.40	03/27/90					
								9.05	10/18/90					
								10.48	04/17/91					
								9.30	10/18/91					
								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					
TO4N	R64W	34	SWSENE	Haddix, E. and H.	0	Qoav	4695	0.00	/ /	CCWC	0.00	-8.26	0.00	
								0.00	/ /					Well E6
								14.10	03/30/89					AVG. SWL=
								15.37	10/20/89					15.45
								13.72	03/27/90					
								16.10	10/18/90					
								15.10	04/17/91					
								15.80	10/18/91					
								0.00	/ /					
								0.00	/ /					
								12.73	03/23/93					
								15.75	11/22/93					
								14.39	03/28/94					
								20.50	11/25/94					
								22.65	04/24/95					

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1995

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF	ELEV	WATER	DATE	MEAS.	CHANGE	CHANGE	CHANGE	REMARKS
							LAND	LEVEL		BY	1ST TO	S94 TO	S88 TO	
							SURF				SPRING	S95	S95	
											1995			
T04N	R64W	34	S	WSENE Haddix, E. and H.	2177 F	Qoav	4691	24.00	06/02/59	CCWC	1.20	-8.51	0.00	
								0.00	/ /					Well E12
								14.70	03/30/89					AVG. SWL=
								17.10	10/20/89					17.70
								0.00	/ /					
								17.00	10/18/90					
								16.03	04/17/91					
								17.50	10/18/91					
								0.00	/ /					
								0.00	/ /					
								14.05	03/23/93					
								16.96	11/22/93					
								14.29	03/28/94					
								18.90	10/25/94					
								22.80	04/24/95					
T04N	R65W	06	S	SENESE Goodner, G.I.	651 R	Qt	4685	15.00	06/01/45	CCWC	0.00	0.00	0.00	
								0.00	/ /					Well C1 NO
								16.50	03/29/89					ACCESS
								12.60	10/16/89					SPR95
								17.50	03/26/90					
								11.75	10/10/90					
								0.00	/ /					
								12.40	10/18/91					
								0.00	/ /					
								0.00	/ /					
								0.00	/ /					
								13.08	10/05/93					
								0.00	/ /					
								0.00	/ /					
								0.00	/ /					
T04N	R65W	18	S	NENESE Root, S.	14189	Qt	4710	0.00	/ /	CCWC	0.00	-0.98	0.00	
								0.00	/ /					Well C2
								9.20	03/29/89					AVG. SWL=
								6.64	10/16/89					9.00
								7.88	03/26/90					
								6.13	10/10/90					
								9.78	04/09/91					
								10.70	10/18/91					
								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					

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1995

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF	ELEV	WATER	DATE	MEAS.	CHANGE	CHANGE	CHANGE	REMARKS	
							LAND	LEVEL		BY	1ST TO	S94 TO	S88 TO		
							SURF				SPRING	S95	S95		
											1995				
T04N	R66W	01	SEWNNE	Reeve, R.	15148	Qt	5058	0.00	/ /	CCWC	0.00	0.00	0.00		
								0.00	/ /						
								20.80	05/12/89						
								0.00	/ /						
								0.00	/ /						
								0.00	/ /						
								0.00	/ /						
								0.00	/ /						
								0.00	/ /						
								0.00	/ /						
								0.00	/ /						
								0.00	/ /						
								0.00	/ /						
								0.00	/ /						
T04N	R66W	09	SWSESW	Monfort Feed Lots	12010	R	Qt	4735	25.30	04/28/87	DWR	-6.90	0.20	0.00	
									32.20	03/16/88					
									33.00	03/11/89					
									32.00	10/15/89					
									32.70	03/12/90					
									30.75	10/22/90					
									32.30	03/05/91					
									31.50	10/16/91					
									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					
								16.00	04/01/51	CCWC	-12.10	0.22	0.00		
0.00	/ /														
28.70	03/29/89														
27.69	10/16/89														
28.33	03/26/90														
27.04	10/10/90														
28.60	04/09/91														
27.30	10/15/91														
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														

SUBST. IN
SPG '95

AVG. SWL=
27.80

Well C3
AVG. SWL=
26.35

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1995

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF	ELEV LAND SURF	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1995	CHANGE S94 TO S95	CHANGE S88 TO S95	REMARKS
T04N	R66W	27	SESENE	Lorenz, J.O.	0	Qoav	4755	0.00	/ /	CCWC	0.00	-1.94	0.00	Well C4 AVG. SWL=5.76
								0.00	/ /					
								6.90	03/29/89					
								5.88	10/16/89					
								5.48	03/26/90					
								5.67	10/10/90					
								0.00	/ /					
								5.90	10/18/91					
								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					
T05N	R59W	34	NWSESW	Williams, G.	0	Qal	4360	14.10	03/02/48	DWR	-1.05	0.26	-0.05	AVG. SWL= 16.10
								15.10	03/21/88					
								17.20	03/21/89					
								15.00	12/17/89					
								17.25	03/14/90					
								13.40	10/25/90					
								16.80	03/12/91					
								12.49	10/24/91					
								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		Lorenz Farms	0	Qoav	4612	0.00	/ /	CCWC	0.00	-1.05	0.00	Well B4 AVG. SWL= 4.32
								0.00	/ /					
								4.90	03/29/89					
								0.00	/ /					
								3.05	03/27/90					
								0.00	/ /					
								0.00	/ /					
								4.90	10/17/91					
								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 ALLOUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1995

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF	ELEV	WATER	DATE	MEAS.	CHANGE	CHANGE	CHANGE	REMARKS
							LAND	LEVEL		BY	1ST TO	S94 TO	S88 TO	
							SURF				SPRING	S95	S95	
											1995			
T06N	R63W	29	NWNWNW	Wells,J.	12768 R	Qoav	4655	11.30	03/21/62	DWR	-2.88	-2.25	-4.58	
								9.60	03/16/88					AVG. SWL=
								11.80	03/11/89					12.30
								10.80	10/15/89					
								12.40	03/12/90					
								11.40	10/22/90					
								12.35	03/05/91					
								0.00	/ /					
								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	4763	25.20	04/21/36	DWR	-0.40	-0.80	-2.00	
								23.60	03/16/88					AVG. SWL=
								27.00	03/11/89					25.40
								22.90	10/15/89					
								25.80	03/12/90					
								26.50	10/22/90					
								25.50	03/05/91					
								26.20	10/16/91					
								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					
T06N	R67W	12	NWNWNW	Felte,F.	11267 RF	Qoav	4850	9.70	03/24/42	DWR	1.80	-0.60	0.50	
								8.40	03/16/88					AVG. SWL=
								9.40	03/11/89					9.20
								13.10	10/15/89					
								10.50	03/12/90					
								9.75	10/22/90					
								10.25	03/05/91					
								9.60	10/16/91					
								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					

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1995

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF	ELEV LAND SURF	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1995	CHANGE S94 TO S95	CHANGE S88 TO S95	REMARKS
T08N	R65W	29	NENWNW	Pettit,L.	9127 F	Qa1	4983	8.40	03/07/76	DWR	-0.90	-0.60	-0.90	
								8.40	03/16/88					AVG. SWL=
								9.60	03/11/89					9.60
								10.40	10/15/89					
								11.20	03/12/90					
								8.75	10/22/90					
								10.50	03/05/91					
								10.70	10/16/91					
								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					
T08N	R66W	01	NWNENW		0	Qoa	5123	20.10	05/22/57	DWR	-3.60	-0.80	-0.80	
								22.90	03/16/88					AVG. SWL=
								23.80	03/11/89					22.90
								24.70	10/15/89					
								24.60	03/12/90					
								25.00	10/22/90					
								24.70	03/05/91					
								25.00	10/16/91					
								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	DWR	-1.68	-0.10	-5.38	
								16.50	03/16/88					AVG. SWL=
								20.00	03/11/89					20.80
								20.90	10/15/89					
								21.20	03/12/90					
								21.35	10/22/90					
								21.60	03/05/91					
								21.60	10/16/91					
								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 ALLOVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1995

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF	ELEV	WATER	DATE	MEAS.	CHANGE	CHANGE	CHANGE	REMARKS
							LAND	LEVEL		BY	1ST TO	S94 TO	S88 TO	
							SURF				SPRING	S95	S95	
											1995			
T09N	R51W	10	SWSWSW	Stieb Bros. Inc.	5316	F	Qal	3830	8.00	03/01/64	DWR	-1.65	-1.55	0.00
									0.00	/ /				AVG. SWL=
									0.00	/ /				8.78
									0.00	/ /				
									0.00	/ /				
									0.00	/ /				
									9.45	03/28/91				
									0.00	/ /				
									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	DWR	-1.31	0.24	-0.11
									5.70	03/18/88				AVG. SWL=
									7.20	03/30/89				6.30
									6.00	11/14/89				
									7.80	04/02/90				
									7.00	10/31/90				
									5.82	03/29/91				
									6.80	11/08/91				
									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				
T10N	R49W	02	SWNWSW	Longman, M. & E.	11125	R	Qal	3711	7.00	03/07/60	DWR	0.80	0.25	-0.20
									6.00	01/18/88				AVG. SWL=
									7.00	03/30/89				6.70
									8.00	11/14/89				
									6.70	04/02/90				
									7.25	10/31/90				
									6.33	03/28/91				
									6.70	11/08/91				
									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				

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1995

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF	ELEV	WATER	DATE	MEAS.	CHANGE	CHANGE	CHANGE	REMARKS
							LAND	LEVEL		BY	1ST TO	S94 TO	S88 TO	
							SURF				SPRING	S95	S95	
											1995			
T11N	R45W	05	NENWNW	Hilderman,F.G.	8325 R	Qal	3540	15.50	03/22/59	DWR	-3.10	-1.55	-2.60	
								16.00	03/18/88					AVG. SWL=
								17.40	03/31/89					17.20
								17.80	10/31/89					
								18.00	04/02/90					
								17.75	10/31/90					
								17.03	03/28/91					
								18.40	11/08/91					
								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					
T11N	R45W	06	NWNENE	Williamson,L.	2087 F	Qal	3542	20.00	05/04/59	DWR	-1.20	-2.50	-2.50	
								18.70	03/18/88					AVG. SWL=
								19.96	03/31/89					19.90
								19.90	11/14/89					
								20.45	04/02/90					
								20.20	10/31/90					
								19.25	03/28/91					
								20.65	11/08/91					
								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	Qal	3624	3.70	03/02/49	DWR	-1.15	-0.25	-1.55	
								3.30	03/18/88					AVG. SWL=
								5.20	03/31/89					4.50
								7.45	11/14/89					
								6.00	04/02/90					
								5.50	10/31/90					
								3.90	03/28/91					
								5.70	11/08/91					
								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
1995

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF	ELEV	WATER	DATE	MEAS.	CHANGE	CHANGE	CHANGE	REMARKS
							LAND	LEVEL		BY	1ST TO	S94 TO	S88 TO	
							SURF				SPRING	S95	S95	
											1995			
T12N	R44W	22	SWNESE	USGS Obs.Well	0	Qal	3450	9.20	03/20/68	DWR	1.84	-0.81	1.94	
								9.30	03/18/88					AVG. SWL=
								7.80	03/31/89					7.90
								8.05	11/14/89					
								8.20	03/22/90					
								7.95	10/31/90					
								9.71	03/28/91					
								9.00	11/08/91					
								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	Qal	3465	0.00	/ /	DWR	0.00	-0.01	0.25	
								26.70	03/18/88					AVG. SWL=
								27.40	03/31/89					24.10
								28.40	11/14/89					
								27.20	03/22/90					
								29.35	10/31/90					
								26.70	03/29/91					
								28.50	11/08/91					
								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					
T01S	R66W	11	SWSWSE	Wenzel	0	Qoav	5050	0.00	/ /	CCWC	0.00	-0.40	0.00	
								0.00	/ /					Well D4
								13.40	04/20/89					AVG. SWL=
								16.59	10/16/89					13.80
								14.42	04/12/90					
								13.35	10/17/90					
								13.70	04/10/91					
								14.77	10/24/91					
								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					

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1995

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF	ELEV LAND SURF	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1995	CHANGE S94 TO S95	CHANGE S88 TO S95	REMARKS
T01S	R67W	34	SWNE	USGS Obs.Well	0	Qal	5015	7.71	10/31/67	CCWC	-14.20	-5.83	0.00	
								0.00	/ /					Well F7
								10.50	03/30/89					AVG. SWL=
								9.69	10/13/89					13.95
								10.45	03/26/90					
								11.71	10/09/90					
								0.00	/ /					
								0.00	/ /					
								0.00	/ /					
								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					
T02S	R65W	23	SWS	Stapleton Airport	18380 F	Qal	5300	0.00	/ /	CCWC	0.00	0.00	0.00	
								0.00	/ /					Well E7
								17.00	04/20/89					AVG. SWL=
								17.79	10/13/89					15.80
								17.42	04/10/90					
								16.70	10/17/90					
								16.90	04/18/91					
								17.47	10/24/91					
								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	SES	Stapleton Airport	18380 R	Qal	5360	0.00	/ /	CCWC	0.00	0.00	0.00	
								0.00	/ /					Well E8
								20.20	04/20/89					AVG. SWL=
								22.07	10/13/89					19.62
								18.08	04/10/90					
								19.83	10/17/90					
								22.48	04/18/91					
								19.75	10/24/91					
								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
1995

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF	ELEV LAND SURF	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1995	CHANGE S94 TO S95	CHANGE S88 TO S95	REMARKS
T02S	R67W	01	SENWNW	Squires,G.	14784 R	Qoav	5065	29.00	06/23/53	CCWC	5.02	0.00	0.00	
								0.00	/ /					Well
								33.40	04/06/89					F8, REPLACE
								31.26	10/13/89					D BY F71
								33.90	03/26/90					
								32.60	10/09/90					
								31.90	04/10/91					
								28.77	10/24/91					
								0.00	/ /					
								0.00	/ /					
								0.00	/ /					
								0.00	/ /					
								0.00	/ /					
								23.98	04/12/95					
T04S	R65W	28	NESWSE	USGS Obs. Well	0	Qal	5640	5.80	05/01/75	DWR	-7.91	-0.30	-4.21	
								9.50	03/25/88					AVG. SWL=
								12.70	03/15/89					11.58
								13.40	10/24/89					
								12.80	03/22/90					
								13.70	10/25/90					
								10.46	03/21/91					
								14.10	10/23/91					
								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					
T04S	R67S	28	NESENW	Denver Water Dept.	27286 F	Qal	5410	0.00	/ /	DWR	0.00	1.12	0.00	
								0.00	/ /					AVG. SWL=
								0.00	/ /					21.43
								0.00	/ /					
								0.00	/ /					
								0.00	/ /					
								28.56	03/21/91					
								20.60	10/23/91					
								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					

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1995

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF	ELEV	WATER	DATE	MEAS.	CHANGE	CHANGE	CHANGE	REMARKS
							LAND	LEVEL		BY	1ST TO	S94 TO	S88 TO	
							SURF				SPRING	S95	S95	
											1995			
T05S	R66W	18	SESWSE	Colo. Div. Parks	0	Qal	5632	35.50	03/07/57	DWR	14.42	-1.37	-1.78	
								19.30	03/25/88					AVG. SWL=
								19.80	03/15/89					23.15
								24.20	10/24/89					
								22.50	03/22/90					
								24.44	10/25/90					
								25.52	03/21/91					
								25.75	10/23/91					
								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					
T05S	R68W	17	NESESW	Denver Water Dept.	11555	R Qal	5313	11.00	04/12/52	DWR	-2.25	-0.67	0.00	
								0.00	/ /					AVG. SWL=
								0.00	/ /					12.78
								0.00	/ /					
								0.00	/ /					
								0.00	/ /					
								13.20	03/21/91					
								14.10	10/23/91					
								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	5351	14.00	08/02/59	DWR	-3.84	-0.71	0.00	
								0.00	/ /					AVG. SWL=
								0.00	/ /					17.10
								0.00	/ /					
								0.00	/ /					
								0.00	/ /					
								17.88	03/21/91					
								19.90	10/23/91					
								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 ALLOUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1995

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF	ELEV	WATER	DATE	MEAS.	CHANGE	CHANGE	CHANGE	REMARKS
							LAND	LEVEL		BY	1ST TO	S94 TO	S88 TO	
							SURF				SPRING	S95	S95	
											1995			
T06S	R66W	04	SESWNW	Cottonwood Est.	0	Qal	5715	0.00	/ /	DWR	0.00	-0.13	-0.42	
								6.00	03/25/88					AVG. SWL=
								5.80	03/15/89					6.04
								6.30	10/24/89					
								5.78	03/22/90					
								6.38	10/25/90					
								6.00	03/21/91					
								6.40	10/23/91					
								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	Qal	5748	0.00	/ /	DWR	0.00	0.29	0.30	
								26.80	03/25/88					North Well
								28.00	03/15/89					AVG.
								28.50	10/24/89					SWL=27.13
								26.50	03/22/90					
								27.83	10/25/90					
								27.27	03/21/91					
								28.85	10/23/91					
								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					
T06S	R66W	08	NENENE	Cottonwood Est.	0	Qal	5748	0.00	/ /	DWR	0.00	-0.75	-0.63	
								27.70	03/25/88					South Well
								29.00	03/15/89					AVG.
								29.30	10/24/89					SWL=28.16
								27.30	03/22/90					
								28.18	10/25/90					
								28.02	03/21/91					
								29.65	10/23/91					
								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					

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1995

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF	ELEV LAND SURF	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1995	CHANGE S94 TO S95	CHANGE S88 TO S95	REMARKS	
T07S	R68W	10	NENWSE	Clapp,F.	0	Qal	5680	4.00	03/14/80	DWR	-1.71	-0.21	-0.31		
								5.40	03/25/88						
								5.40	03/15/89						
								5.80	10/24/89						
								5.50	03/22/90						
								5.83	10/25/90						
								5.71	04/21/91						
								5.80	10/23/91						
								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						
T08S	R66W	03	NWESE	CENTENNIAL MATL'S	20706	R	Qal	6120	8.99	06/01/56	DWR	-2.59	1.05	-0.53	
									11.05	03/25/88					
									0.00	/ /					
									0.00	/ /					
									0.00	/ /					
									0.00	/ /					
									12.15	04/12/91					
									12.50	10/23/91					
									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	Qal	6340	17.80	06/03/76	DWR	9.17	-0.59	-2.23	
									6.40	03/25/88					
									7.00	03/15/89					
									7.30	10/24/89					
									7.00	03/22/90					
									6.50	10/25/90					
									7.56	04/12/91					
									6.35	10/23/91					
									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					

AVG. SWL=
5.29

AVG. SWL=
11.55

AVG. SWL=
8.44