

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

JUNE 1997



by
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The purpose of this report is to provide water level data for 63 wells within the Lower South Platte Alluvium for the period of Spring of 1988 through the Spring of 1997. 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 18 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. 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 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 21.

An evaluation of the data of beginning water levels as compared to Spring 1997 levels reveals that approximately 60.3% of the wells have experienced a water level decline which compares to a 43.5% decline in the 1996 report. By comparison, 27% of the wells experienced a rise in the Spring 1997 as compared to the Spring 1988 water level. This percentage is considerably greater than the 1996 report value (15.7%). Declines of Spring 1988 to Spring 1997 range from - 0.23' to - 18.63' as compared to the range of 0.25' to 29.80' in the 1996 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 1997" 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 1997 wells within the tributary valleys (both rises and declines) are greater than the averages of the South Platte floodplain alluvium. By comparison, in 1996 the average rise of Spring 1988 vs. Spring 1996 changes in the tributary valleys were greater than those in the South Platte floodplain, while the average decline in the tributary valleys were less than the average decline of the main stem.

The average annual water level change compared to the base year of 1988 over the past nine years has averaged - 1.11 ft/yr in the floodplains and - 1.69 ft/yr in the tributary valleys. Water level rises over the past nine years averaged 1.32 ft/yr (about 1 out of 3 records showing a rise) in the floodplain, and 3.37 ft/yr in the tributary valleys (about 1 in 4 exhibiting a rise). Both the tributary valleys and the South Platte floodplain experienced more annual rise overall in 1997 than in 1996. Annual declines in the tributary valleys and the South Platte floodplain overall were greater in 1997 than 1996.

The reader is advised that these data are based upon the measurements of only 63 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.

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

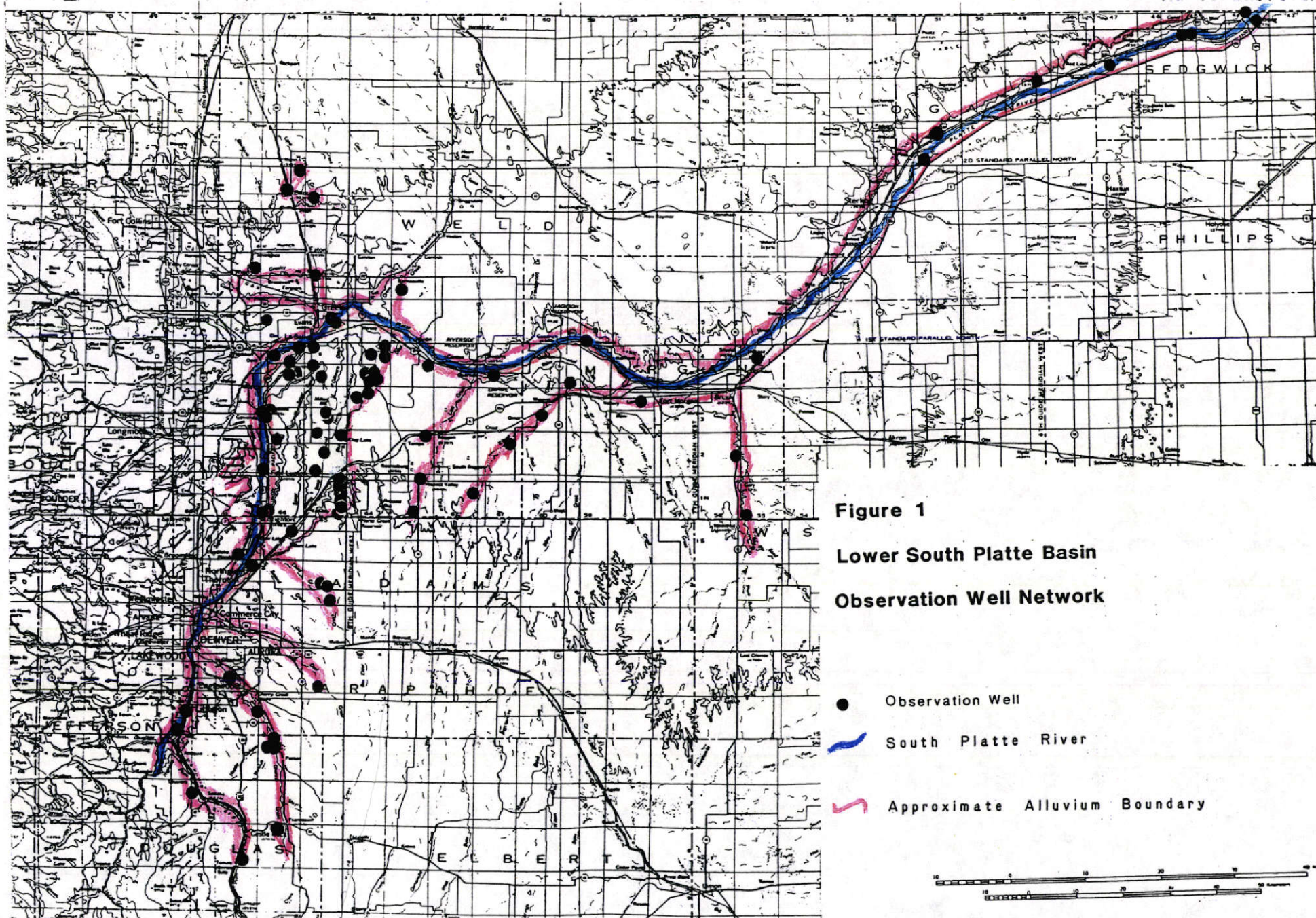


Figure 1
Lower South Platte Basin
Observation Well Network

- Observation Well
- South Platte River
- Approximate Alluvium Boundary

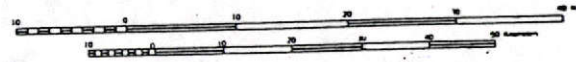


Table of Water Level Trends of the South Platte Alluvium
through Spring 1997*

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

COMPARISON:	INITIAL WATER LEVELS TO SPRING '97			SPRING '88 TO SPRING '97 WATER LEVELS			SPRING '96 TO SPRING '97 WATER LEVELS			
	GROUP	RISES	DECLINES	NO CHANGE/ UNRECORDED	RISES	DECLINES	NO CHANGE/ UNRECORDED	RISES	DECLINE	NO CHANGE/ UNRECORDED
<u>ALL WELLS</u>										
Number	23 (36.5)	38 (60.3)	2 (3.2)	17 (27)	35 (55.6)	11 (17.4)	29 (46)	25 (39.7)	9 (14.3)	
Ranges of values	+0.12 to +30.60	- 0.12 to - 36.62	-	+0.12 to +14.28	- 0.23 to - 18.63	-	+0.01 to +29.88	- 0.04 to - 12.2	-	
Average	+3.19	- 7.13	-	+2.52	- 3.37	-	+2.32	- 0.52	-	
<u>TRIBUTARY VALLEYS</u>										
Number	18 (42.9)	23 (54.8)	1 (2.3)	10 (23.8)	26 (61.9)	6 (14.3)	17 (37.0)	22 (47.8)	7 (15.2)	
Ranges	+0.40 to 30.60	- 0.40 to - 36.62	-	+0.40 to +14.28	- 0.15 to - 18.63	-	+0.01 to +19.44	- 0.04 to - 12.2	-	
Average	+9.35	- 8.11	-	+3.37	- 3.50	-	+2.77	- 2.29	-	
<u>MAINSTEM</u> or } So. Platte <u>FLOODPLAIN</u>										
Number	5 (23.8)	15 (71.4)	1 (4.4)	7 (33.37)	9 (42.9)	5 (23.8)	8 (34.8)	8 (34.8)	5 (23.8)	
Ranges	+0.12 to +18.40	- 0.12 to - 22.40	-	+0.12 to +2.80	- 0.23 to - 16.45	-	+0.11 to 29.88*	- 0.10 to - 4.10	-	
Average	+4.41	- 5.62	-	+1.32	- 3.00	-	+3.28**	- 1.34	-	

* Cessation of pumping of nearby well between measurements.

** Well influenced by nearby pumping excluded.

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1997

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF	ELEV	WATER	DATE	WATER	DATE	MEAS.	CHANGE	CHANGE	CHANGE	REMARKS
						/TRIB	LAND	LEVEL		LEVEL		BY	1ST TO	S96 TO	S88 TO	
						SURF							SPRING	S97	S97	
													1997			
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	11.24	1.18	-3.40	AVG. SWL= 51.61
								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							
								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							
T01N	R63W	34	NWNWNW	Blood,C.	14860 R	Qoa /LCA	4963	109.00	03/09/60	100.91	11/05/95	DWR	9.97	9.77	-1.36	AVG. SWL= 101.22
								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							
								100.06	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							
								102.90	03/20/95							

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TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF /TRIB	ELEV LAND SURF	WATER LEVEL	DATE	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1997	CHANGE S96 TO S97	CHANGE S88 TO S97	REMARKS
T01N	R65W	01	SWSWSE	Taoka Bros.	11709 F	Qoav/ BEC	4959	30.00	11/30/37	10.00	11/22/95	CCWC	18.57	-1.23	-2.63	
								0.00	/ /	10.20	04/11/96					Well E9
								8.80	04/20/89	10.61	11/19/96					AVG. SWL=
								9.04	10/13/89	11.43	05/05/97					10.68
								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							
								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	-6.04	0.76	-3.48	
								37.16	03/21/88	41.40	03/27/96					AVG. SWL=
								42.35	03/21/89	44.57	10/18/96					40.74
								50.50	12/17/89	40.64	03/27/97					
								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							

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TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF /TRIB LAND SURF	ELEV	WATER LEVEL	DATE	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1997	CHANGE S96 TO S97	CHANGE S88 TO S97	REMARKS
T02N	R56W	13	NWSWSE	Peterson,C.	8822 F	Qoa /BIA	4320	32.10	04/04/62	40.82	11/05/95	DWR	-8.37	-0.07	1.61	AVG. SWL= 41.14
								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							
								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 /BIA	4670	23.40	03/30/62	51.02	11/05/95	DWR	-36.62	-12.20	-18.63	AVG. SWL= 46.31
								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							
								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							

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TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF /TRIB LAND SURF	ELEV LAND	WATER LEVEL	DATE	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1997	CHANGE S96 TO S97	CHANGE S88 TO S97	REMARKS
T02N	R63W	01	NWSESE	Sargent,B.	13963 R	Qoa/ LCA	4715	13.20	03/29/62	0.00	/ /	DWR	6.98	0.02	14.28	
								20.50	03/21/88	0.00	/ /					
								20.05	03/21/89	0.00	/ /					
								21.10	12/17/89	6.22	03/27/97					
								20.75	03/14/90							
								23.00	10/25/90							
								20.50	03/12/91							
								23.94	10/24/91							
								19.20	04/05/92							
								20.50	11/04/92							
								19.39	03/17/93							
								0.00	/ /							
								0.00	/ /							
								0.00	/ /							
								0.00	/ /							
T02N	R65W	04	NWNWSW	Hill,O.	5 R	Qoav/ BEC	4880	50.00	04/01/49	44.35	01/11/96	CCWC	3.65	0.00	-7.05	
								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							
								42.66	10/17/90							
								42.55	04/10/91							
								0.00	/ /							
								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	/ /							

AVG. SWL=
19.03

Well D1,
AVG. SWL=
41.17

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TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF /TRIB LAND SURF	ELEV	WATER LEVEL	DATE	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1997	CHANGE S96 TO S97	CHANGE S88 TO S97	REMARKS
T03N	R58W	11	SWSWSW	Shepard,D.	6256 R	Qoa /SPA	4365	53.20	05/27/41	62.95	11/05/95	DWR	-7.53	0.25	-1.33	AVG. SWL= 60.79
								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							
								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	Qa1 /BIA	4568	79.00	04/11/38	109.72	11/05/95	DWR	-32.15	2.80	-8.15	AVG. SWL= 109.00
								103.00	03/22/88	113.95	03/27/96					
								104.40	03/21/89	112.23	10/18/96					
								0.00	/ /	111.15	03/27/97					
								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	/ /							

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TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF	ELEV	WATER	DATE	WATER	DATE	MEAS.	CHANGE	CHANGE	CHANGE	REMARKS
						/TRIB	LAND	LEVEL		LEVEL		BY	1ST TO	S96 TO	S88 TO	
							SURF						SPRING	S97	S97	
													1997			
T03N	R64W	08	SESWSW	L.D.S. Farms	0	Qoa	4743	19.60	03/20/64	20.90	11/05/95	DWR	19.60	19.44	0.00	
						/BEC		17.30	03/21/88	19.44	03/27/96					AVG.SWL=
								18.20	03/31/89	0.00	/ /					18.97 no
								20.50	12/17/89	0.00	/ /					acc.F96
								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							
T03N	R66W	18	SWNESW	Boulter,Wm.	0	Qt	4805	0.00	/ /	19.48	10/31/95	CCWC	0.00	0.00	0.00	
						/USP		0.00	/ /	22.00	05/09/96					Well F5
								23.00	05/11/89	20.48	11/14/96					AVG. SWL=
								21.51	10/16/89	0.00	/ /					21.94
								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							

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TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF /TRIB	ELEV LAND SURF	WATER LEVEL	DATE	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1997	CHANGE S96 TO S97	CHANGE S88 TO S97	REMARKS	
T03N	R66W	18	SWNESW	Boulter,W.	0	Qt /USP	4805	0.00	/ /	20.15	10/31/95	CCWC	-22.40	-0.10	0.90		
								0.00	/ /	22.30	05/09/96						WELL F6
								23.30	05/11/89	20.62	11/13/96						AVG. SWL=
								21.43	10/16/89	22.40	04/14/97						22.53
								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								
T04N	R55W	09	SWSWSE	Schooley,R.	0	Qa1 /SPA	4175	11.10	04/23/30	25.38	11/05/95	DWR	-16.15	1.62	1.45		
								28.70	03/18/88	28.87	03/27/96					AVG. SWL=	
								29.25	03/21/89	27.33	10/18/96					28.50	
								29.80	12/17/89	27.25	03/27/97						
								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								

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TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF /TRIB LAND SURF	ELEV LEVEL	DATE	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1997	CHANGE S96 TO S97	CHANGE S88 TO S97	REMARKS	
T04N	R59W	31		SESENE Frank,E.	13994 F	Qoav/ BIA	4505	97.00	04/28/45	0.00	/ /	CCWC	-16.05	0.40	-1.85	
								0.00	/ /	113.45	03/12/96					Well A1
								111.20	04/11/89	113.48	11/19/96					AVG.
								113.30	10/16/89	113.05	03/27/97					SWL=113.61
								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 Eqqus Farms	0	Qal /SPA	4480	30.30	03/02/48	31.45	11/05/95	DWR	-5.49	0.42	-1.79	
								34.00	03/21/88	36.21	03/27/96					AVG. SWL=
								35.30	03/21/89	31.49	10/18/96					34.40
								32.60	12/17/89	35.79	03/27/97					
								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															

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1997

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF /TRIB LAND SURF	ELEV	WATER LEVEL	DATE	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1997	CHANGE S96 TO S97	CHANGE S88 TO S97	REMARKS
T04N	R63W	13	SWNE	USGS Obs. Well	0	Qa1 /BEC	4510	5.60	03/21/67	6.45	11/05/95	DWR	1.13	29.88	0.13	AVG. SWL= 5.31 PMG NEARBY
								4.60	03/22/88	34.35	03/27/96					
								6.90	03/21/89	4.12	10/18/96					
								7.00	12/17/89	4.47	/ /					
								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	SWSWSW	Amigo Farms	6230 R	Qoav/ BEC	4615	18.00	01/01/46	9.27	11/22/95	CCWC	18.00	0.00	0.00	Well E2 AVG. SWL= 9.25
								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							
								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							

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1997

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF /TRIB LAND SURF	ELEV LEVEL	WATER LEVEL	DATE	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1997	CHANGE S96 TO S97	CHANGE S88 TO S97	REMARKS
T04N	R64W	10		SESESE Dywer, T.E.	13072	R Qoav/ BEC	4637	22.56	06/13/57	9.40	11/05/95	DWR	12.78	-0.28	-0.26	AVG. SWL= 9.95
								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	/ /							
								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															
T04N	R64W	12		SWSWSW Watkins Trust	12912	R Qoav/ BEC	4635	21.00	05/23/77	18.90	01/11/96	CCWC	3.90	3.20	0.40	Well E4 AVG. SWL=17.78
								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							
								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															

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1997

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF /TRIB	ELEV LAND SURF	WATER LEVEL	DATE	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1997	CHANGE S96 TO S97	CHANGE S88 TO S97	REMARKS
T04N	R64W	22	SESWSE	Herbst,E.	10677	Qoav/ BEC	4668	0.00	/ /	8.55	11/22/95	CCWC	0.40	0.93	0.00	
								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							
								9.05	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							
								T04N	R64W	34	SWSENE	Haddix,E. and H.				
0.00	/ /	26.50	05/13/96													
14.10	03/30/89	0.00	/ /													
15.37	10/20/89	0.00	/ /													
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
1997

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF /TRIB LAND SURF	ELEV	WATER LEVEL	DATE	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1997	CHANGE S96 TO S97	CHANGE S88 TO S97	REMARKS
T04N	R64W	34	SWSENE	Haddix, E. and H.	2177 F	Qoav/ BEC	4691	24.00	06/02/59	0.00	/ /	CCWC	24.00	0.00	0.00	
								0.00	/ /	27.30	05/13/66				Well E12	
								14.70	03/30/89	0.00	/ /				AVG. SWL=	
								17.10	10/20/89	0.00	/ /				18.20	
								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	18	NENESE	Root, S.	14189	Qt /USP	4710	0.00	/ /	9.40	10/30/95	CCWC	-1.00	3.80	-1.00	
								0.00	/ /	14.00	05/10/96				Well C2	
								9.20	03/29/89	6.40	11/19/96				AVG. SWL=	
								6.64	10/16/89	10.20	03/27/97				9.64	
								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
1997

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF /TRIB LAND SURF	ELEV	WATER LEVEL	DATE	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1997	CHANGE S96 TO S97	CHANGE S88 TO S97	REMARKS
T05N	R65W	14		Lorenz Farms	0	Qoav/ USP	4612	0.00	/ /	0.00	/ /	CCWC	0.12	-1.06	0.12	
								0.00	/ /	3.72	05/13/96					Well B4
								4.90	03/29/89	4.80	10/08/96					AVG. SWL=
								0.00	/ /	4.78	03/27/97					4.37
								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							
T06N	R63W	29	NWNWNW	Wells,J.	12768 R	Qoav/ SPA	4655	11.30	03/21/62	13.85	10/27/95	DWR	-1.08	0.57	-2.78	
								9.60	03/16/88	12.95	03/19/96					AVG. SWL=
								11.80	03/11/89	13.18	10/22/96					12.50
								10.80	10/15/89	12.38	03/19/97					
								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							

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1997

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF /TRIB	ELEV LAND SURF	WATER LEVEL	DATE	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1997	CHANGE S96 TO S97	CHANGE S88 TO S97	REMARKS
T06N	R65W	17	SWNWNW	Farr.H.W.	13423 R	Qoa /USP	4763	25.20	04/21/36	27.20	10/27/95	DWR	1.45	2.05	-0.15	AVG. SWL= 25.28
								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							
								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/ USP	4850	9.70	03/24/42	5.40	10/27/95	DWR	3.35	0.75	2.05	AVG. SWL= 8.57
								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							
								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
1997

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF /TRIB LAND SURF	ELEV	WATER LEVEL	DATE	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1997	CHANGE S96 TO S97	CHANGE S88 TO S97	REMARKS
T08N	R65W	29	NENWNW	Pettit,L.	9127 F	Qa1 /LTC	4983	8.40	03/07/76	8.50	10/29/95	DWR	3.00	3.25	3.00	
								8.40	03/16/88	8.65	03/19/96					AVG. SWL=
								9.60	03/11/89	4.90	10/22/96					9.16
								10.40	10/15/89	5.40	03/19/97					
								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 /LTC	5123	20.10	05/22/57	23.60	10/27/95	DWR	-4.40	-1.10	-1.60	
								22.90	03/16/88	23.40	03/19/96					AVG. SWL=
								23.80	03/11/89	24.15	10/22/96					23.40
								24.70	10/15/89	24.50	03/19/97					
								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							

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1997

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF /TRIB	ELEV LAND SURF	WATER LEVEL	DATE	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1997	CHANGE S96 TO S97	CHANGE S88 TO S97	REMARKS			
T08N	R66W	22		NENENE Jones, T.	11303 R	Qoa /LTC	5070	20.20	04/13/51	21.73	10/27/95	DWR	-0.78	0.75	-4.48				
								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										
								21.35	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										
T09N	R51W	10		SWSWSW Stieb Bros. Inc.	5316 F	Qal /SPA	3830	8.00	03/01/64	9.11	10/31/95	DWR	-1.87	0.00	0.00				
								0.00	/ /	0.00	/ /								
								0.00	/ /	8.03	10/14/96								
								0.00	/ /	9.87	04/29/97								
								0.00	/ /										
								0.00	/ /										
								9.45	03/28/91										
								0.00	/ /										
								0.00	/ /										
								0.00	/ /										
								0.00	/ /										
								0.00	/ /										
								0.00	/ /										
								8.10	07/24/94										
								8.86	10/31/94										
9.65	04/13/95																		

AVG. SWL=
20.95

AVG. SWL=
8.88

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1997

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF /TRIB	ELEV LAND SURF	WATER LEVEL	DATE	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1997	CHANGE S96 TO S97	CHANGE S88 TO S97	REMARKS				
T09N	R51W	31	NWNWNW	MacNiel, N.	9322 F	Qal /SPA	3865	4.50	03/18/48	5.78	10/31/95	DWR	-2.28	-1.18	-1.08					
								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											
								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 /SPA	3711	7.00	03/07/60	6.08	10/31/95	DWR	-0.12	-0.74	-1.12					
								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											
								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											

AVG. SWL=
6.40

AVG. SWL=
6.56

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1997

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF /TRIB	ELEV LAND SURF	WATER LEVEL	DATE	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1997	CHANGE S96 TO S97	CHANGE S88 TO S97	REMARKS								
T11N	R45W	05	NENWNW	Hilderman, F.G.	8325 R	Qal /SPA	3540	15.50	03/22/59	16.60	10/31/95	DWR	-2.33	-0.93	-1.83									
								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															
								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 /SPA	3542	20.00	05/04/59	19.43	10/31/95	DWR	0.39	0.11	-0.91	
																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																							
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																							

AVG. SWL=
17.24

AVG. SWL=
19.81

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1997

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF /TRIB	ELEV LAND SURF	WATER LEVEL	DATE	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1997	CHANGE S96 TO S97	CHANGE S88 TO S97	REMARKS
T11N	R47W	28	NWNWNW	Davidson,W.C.	7034 R	Qal /SPA	3624	3.70	03/02/49	3.94	10/31/95	DWR	-1.35	-0.43	-1.75	AVG. SWL= 4.51
								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							
								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							
T12N	R44W	22	SWNESE	USGS Obs.Well	0	Qal /SPA	3450	9.20	03/20/68	8.23	10/31/95	DWR	2.03	0.28	2.13	AVG. SWL= 7.77
								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							
								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							

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1997

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF	ELEV	WATER	DATE	WATER	DATE	MEAS.	CHANGE	CHANGE	CHANGE	REMARKS
						/TRIB	LAND	LEVEL		LEVEL		BY	1ST TO	S96 TO	S88 TO	
							SURF						SPRING	S97	S97	
													1997			
T12N	R44W	26	NESESW	Tranel, L.	2574 F	Qa1	3465	0.00	/ /	26.73	10/31/95	DWR	-1.80	-2.15	-1.80	
						/SPA		26.70	03/18/88	26.35	04/22/96					AVG. SWL=
								27.40	03/31/89	25.78	10/14/96					27.04
								28.40	11/14/89	28.50	04/29/97					
								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	/ /	12.35	11/03/95	CCWC	-3.55	-3.75	-3.55	
						USP		0.00	/ /	13.20	04/25/96					Well D4
								13.40	04/20/89	15.45	11/19/96					AVG. SWL=
								16.59	10/16/89	16.95	03/21/97					14.08
								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
1997

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF /TRIB	ELEV LAND SURF	WATER LEVEL	DATE	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1997	CHANGE S96 TO S97	CHANGE S88 TO S97	REMARKS								
T01S	R67W	34	SWNENW	USGS Obs.Well	0	Qal /USP	5015	7.71	10/31/67	18.76	10/31/95	CCWC	-19.24	-4.10	-16.45									
								0.00	/ /	22.85	05/09/96				Well F7									
								10.50	03/30/89	25.10	11/19/96				AVG. SWL=									
								9.69	10/13/89	26.95	04/16/97				17.87									
								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	SWSE E	Stapleton Airport	18380 F	Qal /TCA	5300	0.00	/ /	14.45	01/11/96	CCWC	1.58	-3.12	1.58	
																0.00	/ /	12.30	05/13/96				Well E7	
17.00	04/20/89	15.46	11/19/96				AVG. SWL=																	
17.79	10/13/89	15.42	05/16/97				15.30																	
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																							

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1997

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF /TRIB	ELEV LAND SURF	WATER LEVEL	DATE	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1997	CHANGE S96 TO S97	CHANGE S88 TO S97	REMARKS
T02S	R65W	35	SESWSE	Stapleton Airport	18380 R	Qal /TCA	5360	0.00	/ /	20.25	01/11/96	CCWC	-6.80	-6.70	-6.80	
								0.00	/ /	20.30	05/13/96					Well E8
								20.20	04/20/89	20.96	11/19/96					AVG. SWL=
								22.07	10/13/89	27.00	05/16/97					20.29
								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							
T02S	R67W	01	SENWNW	Squires,G.	14784 R	Qoav/ USP	5065	29.00	06/23/53	0.00	/ /	CCWC	-1.60	0.00	2.80	
								0.00	/ /	0.00	/ /					Well
								33.40	04/06/89	27.06	11/19/96					F8,REPLACE
								31.26	10/13/89	30.60	04/15/97					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							

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1997

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF /TRIB	ELEV LAND SURF	WATER LEVEL	DATE	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1997	CHANGE S96 TO S97	CHANGE S88 TO S97	REMARKS
T04S	R65W	28	NE	USGS	0	Qal /CCA	5640	5.80	05/01/75	13.66	10/24/95	DWR	-8.28	0.01	-4.58	
								9.50	03/25/88	0.00	/ /					AVG. SWL=
								12.70	03/15/89	13.96	10/23/96					12.59
								13.40	10/24/89	14.08	05/09/97					
								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	NE	Denver Water Dept.	27286 F	Qal /CHC	5410	0.00	/ /	18.25	10/24/95	DWR	0.00	1.58	0.00	
								0.00	/ /	20.38	04/25/96					AVG. SWL=
								0.00	/ /	18.59	10/23/96					20.80
								0.00	/ /	18.80	05/09/97					
								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
1997

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF /TRIB	ELEV LAND SURF	WATER LEVEL	DATE	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1997	CHANGE S96 TO S97	CHANGE S88 TO S97	REMARKS						
T05S	R66W	18	SESWSE	Colo. Div. Parks	0	Qa1 /CHC	5632	35.50	03/07/57	22.41	10/24/95	DWR	15.67	-0.04	-0.53							
								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													
								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 Qa1 /USP	5313	11.00	04/12/52	12.91	10/24/95	DWR	-1.75	0.75	0.00							
								0.00	/ /	13.50	04/25/96											
								0.00	/ /	12.67	10/23/96											
								0.00	/ /	12.75	05/09/97											
								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													

AVG. SWL=
21.15

AVG. SWL=
13.20

WATER LEVELS IN THE ALLUVIAL AQUIFERS
OF THE
LOWER SOUTH PLATTE RIVER BASIN, CO
1997

TWN	RNG	SEC	QTR	OWNER	PERMIT	AQUIF /TRIB	ELEV LAND SURF	WATER LEVEL	DATE	WATER LEVEL	DATE	MEAS. BY	CHANGE 1ST TO SPRING 1997	CHANGE S96 TO S97	CHANGE S88 TO S97	REMARKS								
T05S	R68W	31	NENWNE	Denver Water Dept.	2188 F	Qal /USP	5351	14.00	08/02/59	17.75	10/24/95	DWR	-3.84	1.87	0.00									
								0.00	/ /	19.71	04/25/96													
								0.00	/ /	17.42	10/23/96													
								0.00	/ /	17.84	05/09/97													
								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															
T06S	R66W	04	SESWNW	Cottonwood Est.	0	Qal /CHC	5715	0.00	/ /	6.38	10/24/95	DWR	-0.67	-0.29	-0.67									
								6.00	03/25/88	6.38	04/25/96													
								5.80	03/15/89	0.58	10/23/96													
								6.30	10/24/89	6.67	05/09/97													
								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															

AVG. SWL=
18.22

AVG. SWL=
5.77

