

# **WATER LEVELS IN THE DENVER BASIN BEDROCK AQUIFERS**

**1997**



**COLORADO DIVISION OF WATER RESOURCES  
OFFICE OF THE STATE ENGINEER**

**Roy Romer  
Governor**

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State Engineer**

**WATER LEVELS IN THE DENVER BASIN  
BEDROCK AQUIFERS**

1997

This report contains basic data concerning the depth to ground water in the four bedrock aquifers of the Denver Basin during the spring and early summer of 1997. The report also contains data from previous years in which the wells were measured. Changes for the last years (1996 to 1997) and for a five year period from 1992 to 1997 are also included along with representative hydrographs. The measurements were made primarily by Mr. Howard C. (Buck) Bainbridge or by personnel of various water districts. A number of districts which have reported data to the Division in previous years did not report water level data this year. An attempt will be made next year to obtain these data.

Included in this report is a summary of the Denver Basin geology with generalized aquifer maps and cross sections. This summary will be included in all future reports.

## GEOLOGY OF THE DENVER BASIN

The Denver basin is a structural basin which covers the area from the Front Range on the West to a point near Limon on the east. And from Greeley on the North to a point several miles to the south and east of Colorado Springs to the south. In total, this area is over 6,700 square miles. The basin is generally defined by the area of outcrop of the Laramie-Fox Hills Aquifer which is the lowest of the four principal aquifers found in the basin. Figure 1 is a map of the Denver Basin area with the outcrop of the base of the aquifers identified.

Sedimentary rocks make up the formations present in the basin and range up to 3,000 feet in thickness in the deepest part of the basin. A generalized cross section is attached as Figure 3. In descending order, the sedimentary sequence is comprised of the Dawson, Denver, Arapahoe, Laramie and Fox Hills formations. Within these formations are four aquifers or water bearing portions which are named the Dawson, Denver, Arapahoe and Laramie-Fox Hills Aquifers.

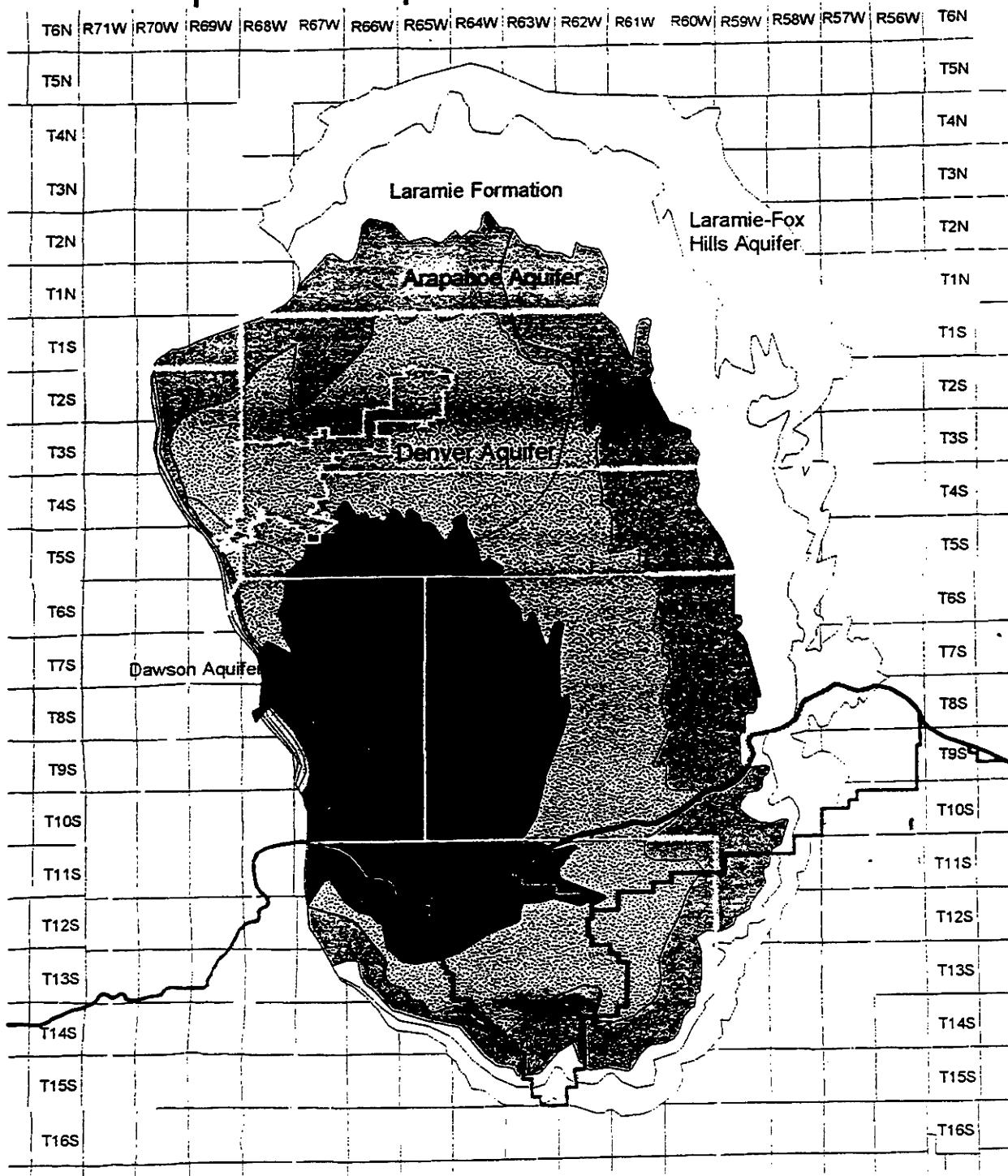
Extensive studies of these aquifers has been done over a period of about 100 years. Water from the aquifers has been utilized in the Denver area for domestic water supplies since about the turn of the century. The most recent and the most detailed study of the aquifer system was done by the Colorado Division of Water Resources in 1985 as part of a legislatively mandated study commonly known as Senate Bill 5. During this study, the staff of the Division collected extensive information on the nature of the aquifers, the occurrence of ground water in the aquifers and the affects of pumping of ground water on surface streams throughout the basin. The amount of water available from each of the aquifers is presented in figure 2.

The study resulted in re-defining the aquifer system into the four major aquifers which are now recognized. For the reader to better understand the aquifer system, a brief discussion of each of each of the aquifers will be presented. It should be noted that the Divisions work in this area is recognized as the authoritative study of the Denver Basin and is utilized extensively by the consulting community as well as governmental and regulatory agencies.

### DAWSON AQUIFER      38 WELLS

The Dawson Aquifer is the upper most aquifer in the basin and covers an area of approximately 1400 square miles. It ranges in thickness from 0 to almost 1200 feet in the vicinity of Monument. The Dawson is at or near the land surface throughout its entire areal extent. The aquifer is made up of predominately conglomeratic, coarse-grained arkosic sandstones with minor amounts of interbedded clay

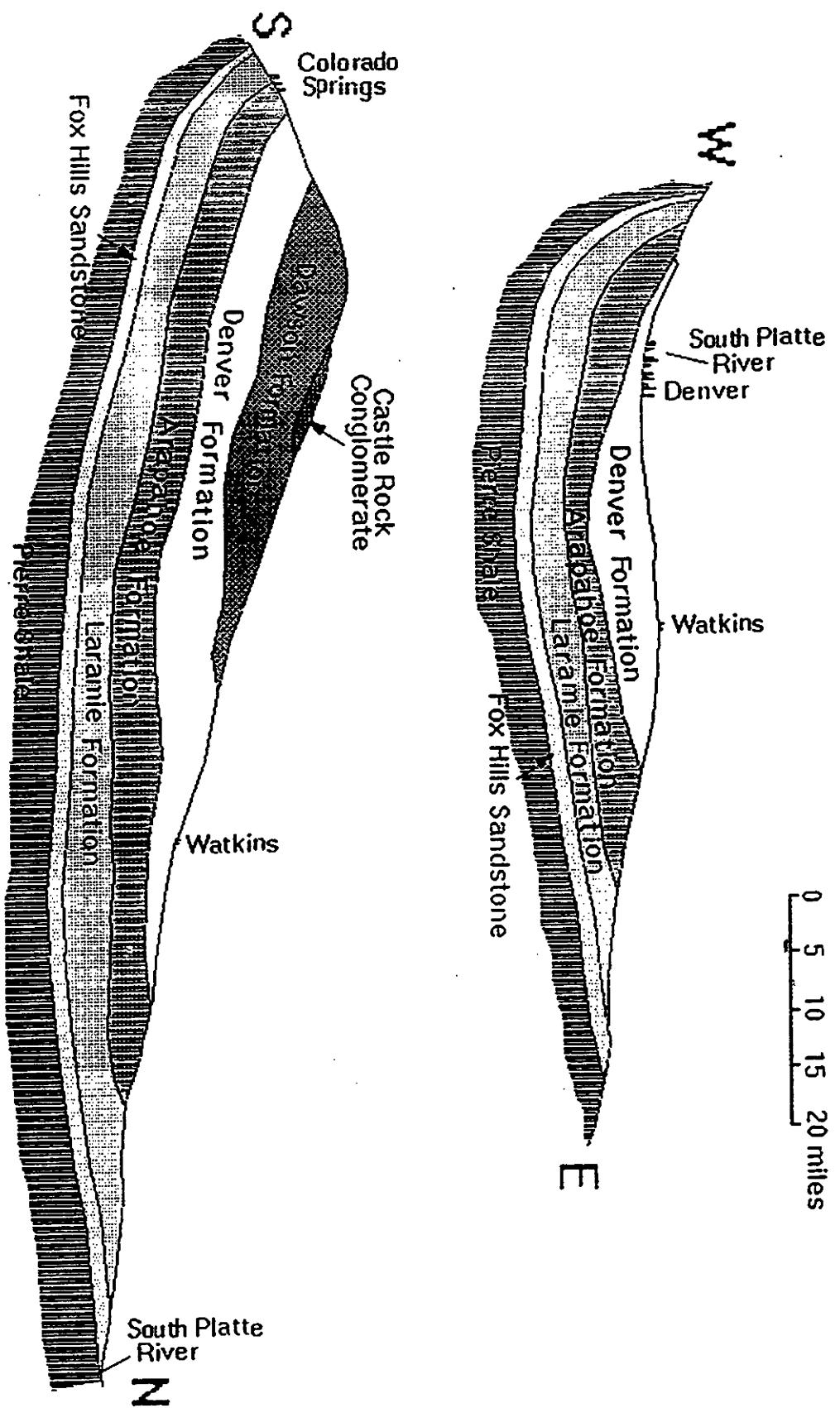
# Aquifer Map of the Denver Basin



## Legend

Denver Basin Aquifer		County Boundaries	
	Denver Basin Aquifer		County Boundary
	Morrison Aquifer		
	Lower Aquifer		
	Laramie Formation		
	Laramie or Fox Hills Aquifer		
	Upper Denver Aquifer		
	Township Line		





GENERALIZED GEOLOGIC SECTIONS THROUGH THE DENVER BASIN

and clay shale. In the northern portion of the basin, the aquifer can be subdivided into two aquifers known as the Upper and Lower Dawson Aquifers. This separation is based on the presence of an approximately 50 foot thick shale bed which hydraulically isolates the Upper and Lower Aquifer units. At the base of the aquifer, or rather at the top of the Denver Aquifer, another shale unit averaging about 25 to 50 feet in thickness separates the Dawson from the underlying Denver Aquifer.

#### **DENVER AQUIFER    40 WELLS**

The Denver aquifer consists of a series of interbedded clay shale, claystone, siltstone and sandstone lenses. Organic remains and coal are common within the unit. The aquifer underlies an area of approximately 3500 square miles and ranges in thickness from 800 to 1000 feet. Distinctive characteristics of the aquifer are the fine-grained nature and the fact that sandstone lenses within the unit do not extend over long distances.

Although the aquifer is utilized extensively for domestic water supplies, the fact that well yields are relatively low (generally 20 to 50 gallons per minute (gpm)) limit its use to primarily individual wells although a number of municipal wells yielding 100 gpm have been developed. These higher yield wells are the exception rather than the norm.

At the base of the aquifer is an extensive clay shale unit approximately 50 feet in thickness which separates the Denver from the underlying Arapahoe Aquifer.

#### **ARAPAHOE AQUIFER    85 WELLS**

The Arapahoe Aquifer consists of a series of interbedded conglomerates, sandstones, siltstones and clay shales. It underlies an area of almost 4700 square miles. The aquifer is generally about 400 feet in thickness. In the northern portion of the basin the aquifer can be subdivided into an upper and lower aquifer owing to the presence of between 50 and 100 feet of shale.

High capacity wells (300+ gpm) are common in the Arapahoe aquifer and it is extensively used to supply municipal water systems. Water quality is good and in fact "Deep Rock Water" obtains bottled water from this source.

#### **LARAMIE FORMATION**

Below the Arapahoe is the Laramie Formation which consists of approximately 400 feet of clay

shales with minor interbeds of sandstone and siltstone. Numerous coal beds are common within the formation and have been mined commercially along the eastern margins of the basin. Minor amounts of water are present within the sandstones, however, they are rarely developed for water supplies. Water quality is generally bad with sulfides and biogenic gas being the major contaminants.

The basal portion of the Laramie Formation contains two thick sandstone bed (the A and B sandstones) which are isolated from the rest of the formation and are utilized for water supplies along with the underlying Fox Hills Sandstone.

#### **LARAMIE-FOX HILLS AQUIFER      52 WELLS**

The lower sandstones of the Laramie Formation and the Fox Hills Sandstone comprise what is known as the Laramie-Fox Hills Aquifer. This aquifer underlies approximately 6700 square miles of the Denver Basin and marks the areal extent of the basin for economic ground water development. The Laramie-Fox Hills is between 250 and 350 feet thick with about 150 to 200 feet being fine to medium-grained sandstones. The aquifer typically yield water in quantities sufficient for commercial development, and is extensively utilized in throughout the basin. Well yields generally are in the range of 300 gallons per minute. Both the Laramie-Fox Hills and the Arapahoe Aquifers are generally under artesian pressure at present the present time.

The aquifer can sometimes be extended an additional 100 feet in depth into what is commonly known as the Transition Zone of the Pierre Shale. This transition zone contains several siltstone beds which yields small quantities of water.

#### **PIERRE SHALE**

Below the Fox Hills Formation is the Pierre Shale which is composed of approximately 4500 feet of clay shale with only minor sandstone beds. In general there is not sufficient water in any of the sand beds for use in anything besides a single family residence. This formation defines the boundary of commercially developable ground water in the Denver Basin.

90  
125  
21

### GROUND WATER IN STORAGE

<u>AQUIFER</u>	<u>SPECIFIC YIELD(%)</u>	<u>VOLUME STORED (millions of acre feet)</u>
Upper Dawson	20	22
Lower Dawson	20	10
Denver	17	71
Upper Arapahoe	17	78
Lower Arapahoe	17	12
Laramie-Fox Hills	15	102
	<b>TOTAL</b>	<b>295 Million Acre-Feet</b>

Figure 2

**DAWSON AQUIFER**

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
28192-	T05S R67W 24	NENENW CO Parks & Rec.	Tdw	5625	52.0 52.4 35.1 35.2 35.7 37.0 37.2 34.9 31.6 33.4 31.2 31.4	07/26/66 07/14/78 04/11/88 04/13/89 04/10/90 04/01/91 04/27/92 04/26/93 04/23/94 04/06/95 04/14/96 04/21/97	5.8	-0.2	
61880-	T06S R65W 15	NENESW Aschoff,J.	Tdw u	6795	180.0 183.2 178.3 180.9 184.4 184.8 179.1 179.2 182.8 181.9 184.4 186.6	04/28/74 07/27/78 04/22/88 04/11/89 04/02/90 04/02/91 04/05/92 04/04/93 04/06/94 04/06/95 04/03/96 04/03/97	-7.5	-2.2	
-	T06S R65W 34	SWNW Wallden,G.	Tdw u	6350	0.0 0.0 161.7 78.8 168.8 81.1 79.8 80.7 83.2 80.6 81.2 81.5	/ / / / 04/22/88 04/11/89 04/07/90 04/02/91 04/05/92 04/04/93 04/07/94 04/06/95 04/03/96 04/03/97	-1.7	-0.3	
52596-	T06S R66W 11	SESESW Rudd,Robert	Tdw	5965	237.0 235.0 226.1 238.3 0.0 246.2 235.6 234.2 234.4 238.0 234.7 229.9	09/26/72 07/26/78 04/22/88 04/11/89 / / 04/01/91 04/05/92 04/04/93 04/06/94 04/06/95 04/03/96 04/03/97	5.7	4.8	

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PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
49406-	T06S R66W 13	SWSW Thull, Ed	Tdw L	6190	247.0 291.0 292.4 291.4 289.5 191.3 279.5 272.1 273.4 279.8 262.3 262.6	11/03/71 07/19/78 04/09/88 04/12/89 09/02/90 04/01/91 04/05/92 04/08/93 04/06/94 04/06/95 04/03/96 04/03/97	16.9	-0.3	
14435-	T06S R66W 26	SENESW Kulback, Diane	Tdw L	6030	188.0 262.0 222.3 225.2 228.9 231.6 231.6 239.8 237.1 238.2 0.0 234.7	03/21/63 07/18/78 04/22/88 04/11/89 04/07/90 04/06/91 04/05/92 04/04/93 04/07/94 04/06/95 / / 04/03/97	-3.1		
30812-F	T06S R66W 34	NENESW Stroh Ranch #4	Tdw	5895	0.0 0.0 350.3 365.8 384.4 397.8 434.8 455.4 0.0 0.0 0.0 539.5	/ / / / 04/28/88 04/12/89 04/09/90 04/17/91 04/08/92 04/20/93 04/19/94 / / / / 04/21/97	-104.7		
35171-F	T06S R67W 11	SWSW Meridian W&S UDa-4	Tdw u	5956	0.0 0.0 0.0 0.0 0.0 0.0 0.0 64.0 0.0 0.0 0.0	/ / / / / / / / / / / / / / 08/01/94 / / / / / /			

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PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
31958-	T07S R65W 06	SWSENW Banchero, Natalio	Tdw l	6380	229.0 243.8 0.0 221.1 220.0 221.9 224.1 225.7 235.5 224.5 229.7 234.2	08/29/67 08/01/78 / / 04/11/89 04/07/90 04/01/91 04/05/92 04/04/93 04/23/94 04/06/95 04/10/96 04/03/97	-10.1	-4.5	
48339-	T07S R65W 12	NENENE Robart,D.	Tdw u	6430	170.0 177.0 170.9 173.7 168.6 168.1 168.3 171.6 167.9 174.1 169.1 169.0	09/01/71 08/11/78 04/22/88 04/22/89 04/07/90 04/01/91 04/05/92 04/04/93 04/07/94 04/06/95 04/03/96 04/03/97	-0.7	0.1	
17929-F	T07S R66W 17	NWNENW Pinery #M	Tdw	6220	306.6 312.6 316.3 319.4 322.8 329.4 332.6 329.6 335.5 333.1 333.1 336.2	04/12/84 04/15/87 04/28/88 03/30/89 04/16/90 04/17/91 04/23/92 05/18/93 04/19/94 07/07/95 05/16/96 05/21/97	-3.6	-3.1	
17831-F	T07S R66W 24	NESENW Pinery #G	Tdw	6220	305.1 314.8 315.4 320.8 322.5 0.0 333.2 331.3 340.5 337.4 343.0 343.4	04/12/84 04/15/87 04/28/88 03/30/89 04/16/90 / / 04/23/92 05/18/93 04/19/94 07/07/95 05/16/96 05/21/97	-10.2	-0.4	

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PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
26263-F	T07S R66W 29	SWNENE Castle Oaks Tdw #4	Tdw	6184	0.0 0.0 234.3 238.9 257.4 256.2 265.4 288.5 286.2 260.9 270.0 272.3	/ / / / 04/14/88 04/08/89 04/07/90 04/19/91 04/08/92 04/10/93 04/09/94 04/08/95 04/07/96 04/18/97	-6.9	-2.3	
26264--F	T07S R66W 29	NWSW Castle Oaks #5	Tdw/D	0.0	393.0 0.0 0.0 0.0 0.0 300.0 309.2 313.9 316.2 274.6 316.2	07/30/84 / / / / / / / / 04/08/92 04/10/93 04/09/94 04/08/95 04/07/96 04/18/97	-16.2	-41.6	
26265-F	T07S R66W 32	NWNWNW Castle Oaks #6	Tdw	6294	0.0 0.0 345.8 351.6 358.5 357.3 355.0 362.0 368.9 371.2 373.5 389.7	/ / / / 04/15/88 04/08/89 04/07/90 04/10/91 04/08/92 04/10/93 04/09/94 04/08/95 04/07/96 04/18/97	-34.7	-16.2	
38404-F	T07S R67W 21	SWNW Castle Pines LDa-10	Tdwl	6060	0.0 0.0 0.0 0.0 0.0 139.2 0.0 144.0 147.0 0.0 0.0 131.4	/ / / / / / / / / / 04/29/91 / / 06/02/93 07/01/94 / / / / 05/16/97			

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PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIFER ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
8891-RF	T07S R67W 27	NENE Silvr.Hghts.	Tdw 6180	0.0 261.0 232.7 235.0 237.3 270.6 239.6 241.9 241.9 265.6 239.6 256.4	/ / 10/03/86 05/05/88 04/12/89 04/19/90 04/10/91 04/22/92 04/21/93 04/20/94 03/31/95 04/12/96 04/07/97	-16.8	-16.8	
5458-	T08S R63W 14	SWNW NW Weglarz, James	Tdw u 6540	100.0 32.5 0.0 166.7 167.0 166.8 167.2 168.0 167.6 0.0 168.5 0.0	04/04/60 07/27/78 / / 04/24/89 04/18/90 04/06/91 04/09/92 04/02/93 04/07/94 / / 04/03/96 / /			NOT MEASURED
59480-	T08S R64W 27	SWNESW Baker, Herbert	Tdw 6705	70.0 42.1 40.0 41.2 41.6 41.8 43.3 43.2 43.2 48.9 49.4 49.7	07/09/72 07/27/78 04/16/88 04/22/89 04/18/90 04/06/91 04/09/92 04/09/93 04/08/94 04/08/95 04/10/96 04/16/97	-6.4	-0.3	
26268-F	T08S R66W 06	SWSWNE Castle Oaks Tdw 9	Tdw 6468	0.0 629.0 466.8 478.0 474.1 483.9 495.3 490.1 514.3 515.8 523.3 528.8	/ / 07/21/84 04/15/88 04/15/89 04/07/90 04/07/91 04/08/92 04/10/93 04/09/94 04/08/95 04/06/96 04/18/97	-33.5	-5.5	

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PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
25043-F	T08S R66W 07	NWNE Castle Rk,City of	Tdw	6524	0.0 0.0 504.3 580.5 536.6 541.2 0.0 540.0 0.0 525.9 576.0 583.1	/ / / / 05/05/88 04/21/89 04/24/90 04/12/91 / / 03/01/93 / / 04/01/95 02/01/96 03/01/97		-7.1	
26270-F	T08S R66W 08	SESE Park Funding Corp.	Tdw	6608	0.0 0.0 612.2 618.0 639.9 632.9 648.1 656.0 688.4 676.8 688.4 695.3	/ / / / 04/15/88 04/21/89 04/24/90 04/10/91 04/08/92 04/20/93 04/09/94 04/08/95 04/07/96 04/18/97	-47.2	-6.9	
26271-F	T08S R66W 09	NENESW Park Funding Corp.	Tdw	6558	0.0 0.0 570.0 567.7 594.5 588.5 607.0 604.6 639.3 625.4 632.4 655.5	/ / / / 04/15/88 04/21/89 04/24/90 04/07/91 04/08/92 04/20/93 04/09/94 04/08/95 04/07/96 04/18/97	-48.5	-23.1	
26505-F	T08S R67W 14	NWSE Castle Rock well 16	Tdw	6345	0.0 0.0 0.0 0.0 0.0 510.6 261.0 0.0 0.0 0.0 273.0 0.0	/ / / / / / / / / / 04/17/91 03/01/92 03/01/93 / / / / 04/16/96 / /			PUMPING

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PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
67886-	T09S R63W 08	SENWNW Miller, Rick	Tdw u	6683	96.0 33.4 0.0 94.3 94.7 95.1 95.1 95.2 95.7 95.9 96.3 96.5	11/07/73 07/24/78 / / 04/24/89 04/17/90 04/06/91 04/09/92 04/02/93 04/08/94 04/09/95 04/03/96 04/16/97	-1.4	-0.2	
66264-	T09S R64W 18	SESWNE Litwak,A.	Tdw u	6835	160.0 143.7 141.2 141.0 141.2 141.3 141.1 143.8 141.2 141.6 141.5 141.6	06/23/73 07/24/78 04/18/88 04/15/89 04/17/90 04/06/91 04/10/92 04/02/93 04/07/94 04/08/95 04/03/96 04/16/97	-0.5	-0.1	
42439-	T09S R64W 34	NENWSE Bisset,D.	Tdw u	6810	123.0 123.7 123.8 120.7 120.8 122.6 121.1 122.4 122.4 121.8 122.0 122.1	09/27/70 07/18/78 04/18/88 04/22/89 04/17/90 04/06/91 04/10/92 04/02/93 04/07/94 04/08/95 04/03/96 04/16/97	-1.0	-0.1	
25802-	T09S R65W 25	NNNWSE Obrecht, Walter	Tdw u	7020	130.0 201.0 0.0 201.9 202.0 201.3 202.1 202.3 200.9 202.3 202.0 201.7	08/22/65 11/03/80 / / 04/15/89 04/17/90 04/06/91 04/10/92 04/02/93 04/07/94 04/08/95 04/03/96 04/16/97	0.4	0.3	

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55018-	T09S R66W 34	SWSWNW Eichelburger,M.	Tdw	7040	260.0 196.6 205.6 180.4 174.3 185.3 198.4 203.5 179.8 203.8 226.3 202.2	09/26/72 07/17/78 04/28/88 04/15/89 04/21/90 04/09/91 04/11/92 04/02/93 04/14/94 04/07/95 04/13/96 04/03/97	-3.8	24.1	
32074-	T10S R64W 03	NWNENE Elbert Christian Chu	Tdw	6743	23.0 13.4 22.6 22.6 22.4 23.8 22.3 22.8 22.9 23.3 22.9 23.0	09/01/67 07/20/78 04/28/88 04/27/89 04/17/90 04/06/91 04/10/92 04/02/93 04/07/94 04/08/95 04/06/96 04/16/97	-0.7	-0.1	
29786-	T10S R67W 36	NWSENE Pon.Sthrn.Bapt.Assy.	Tdw	7470	235.0 242.4 433.2 434.3 447.9 419.9 438.7 415.6 402.6 408.6 408.1 412.7	03/02/67 06/29/78 04/19/88 04/26/89 04/21/90 04/09/91 04/22/92 04/14/93 04/08/94 04/07/95 04/12/96 04/17/97	26.0	-4.6	
-	T11S R65W 09	SENWNE Lovelace, John	Tdw	7370	110.8 0.0 0.0 110.3 111.6 113.1 114.6 114.0 126.8 112.7 108.9 112.5	06/12/85 / / / / 04/27/89 04/21/90 04/15/91 04/11/92 04/17/93 04/21/94 04/25/95 04/13/96 04/17/97	2.1	-3.6	

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43379-	T11S R65W 31	NESWSE Bowling	Tdw	7620	175.0 236.5 236.1 234.3 233.3 238.0 233.2 232.7 232.7 232.3 232.4 231.4	11/16/70 10/13/78 06/11/85 04/26/89 04/21/90 04/15/91 04/11/92 04/17/93 04/14/94 04/07/95 04/06/96 04/17/97	1.8	1.0	
4484-F	T11S R67W 11	SENE Woodmoor W.D. #1	Tdw	7509	200.0 419.0 419.0 377.0 377.0 347.0 322.2 312.0 319.0 294.0 0.0 336.0	07/18/63 04/01/87 04/01/88 04/01/89 04/01/90 04/01/91 / / 04/01/93 11/26/93 04/01/95 / / 01/01/97	-13.8		
43596-	T11S R67W 21	SWSE Simpson, Bill	Tdw	7040	20.0 23.0 0.0 24.1 23.9 27.2 24.8 30.6 26.4 27.9 27.3 32.4	10/21/70 06/11/85 / / 04/27/89 04/21/90 04/09/91 04/11/92 04/14/93 04/08/94 04/07/95 04/12/96 04/17/97	-7.6	-5.1	
36034-	T12S R66W 14	NENENW Geddie, Sam	Tdw	7095	180.0 175.0 175.0 157.0 163.8 169.9 163.4 165.2 156.5 160.2 162.3 162.8	12/01/68 01/11/73 04/28/88 04/26/89 04/21/90 05/15/91 04/11/92 04/19/93 04/14/94 04/07/95 04/06/96 04/17/97	0.6	-0.5	

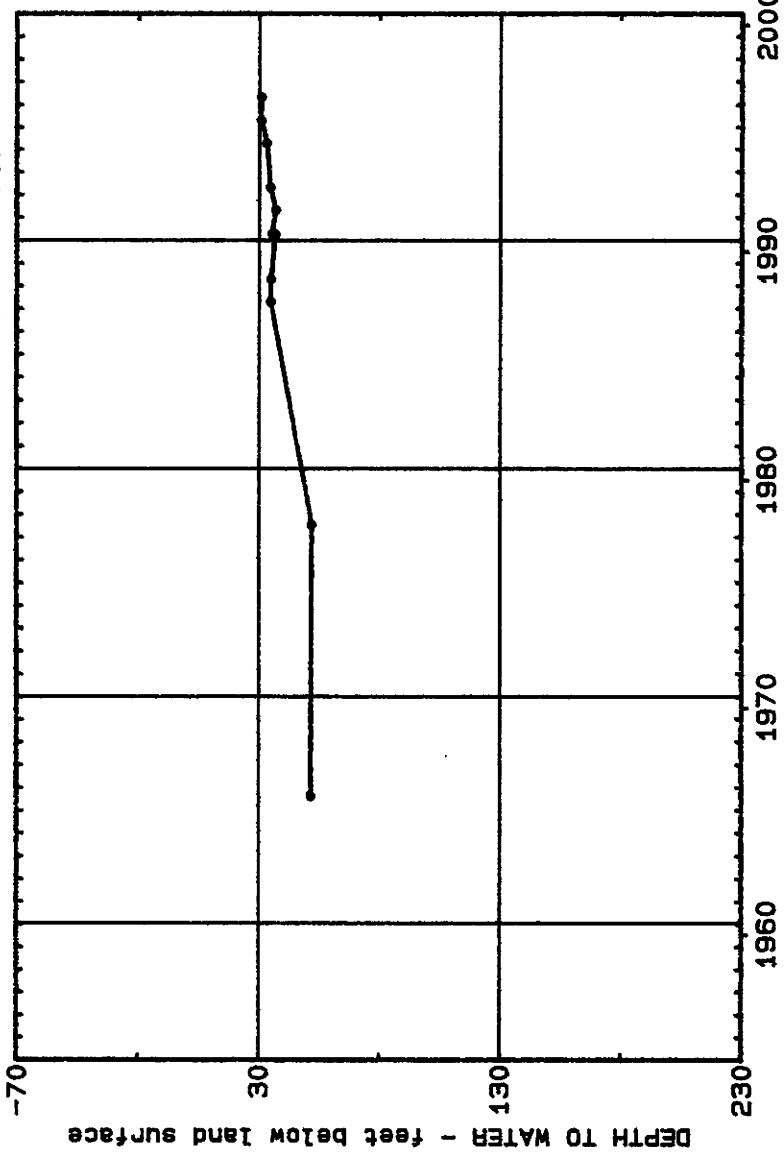
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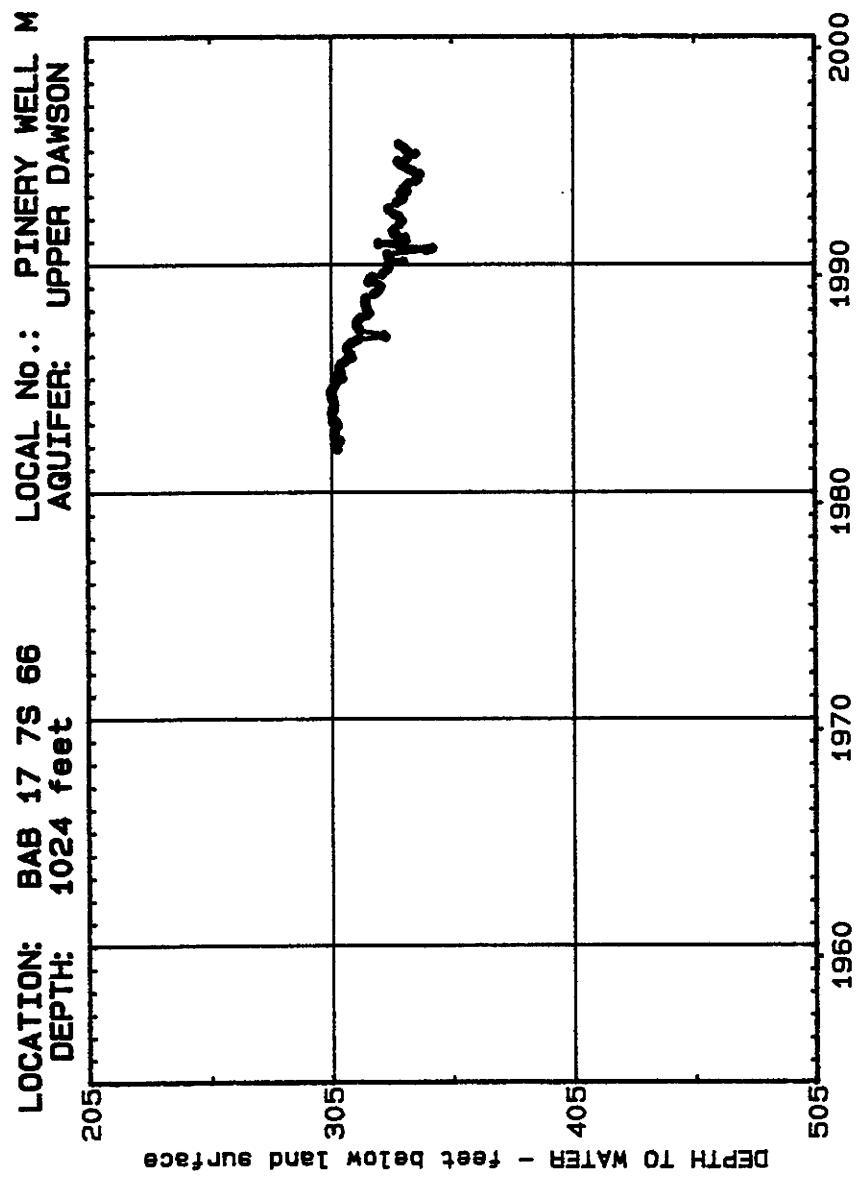
PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
24796-	T13S R65W 06	SESWNE Jetensky,James	Tdw	6970	0.0 0.0 34.6 34.6 39.6 34.8 34.9 34.6 34.6 35.1 34.7 34.7	/ / / / 04/28/88 04/26/89 04/26/90 04/15/91 04/11/92 04/17/93 04/14/94 04/07/95 04/06/96 04/17/97	0.2	0.0	
59354-P	T13S R65W 06	NWSESW Short,Clifford	Tdw	6962	112.0 221.2 100.0 100.5 101.2 97.7 98.1 98.9 99.5 99.5 96.3 99.0	05/23/72 10/14/78 04/28/88 04/26/89 04/26/90 04/15/91 04/11/92 04/17/93 04/14/94 04/07/95 04/06/96 04/17/97	-0.9	-2.7	

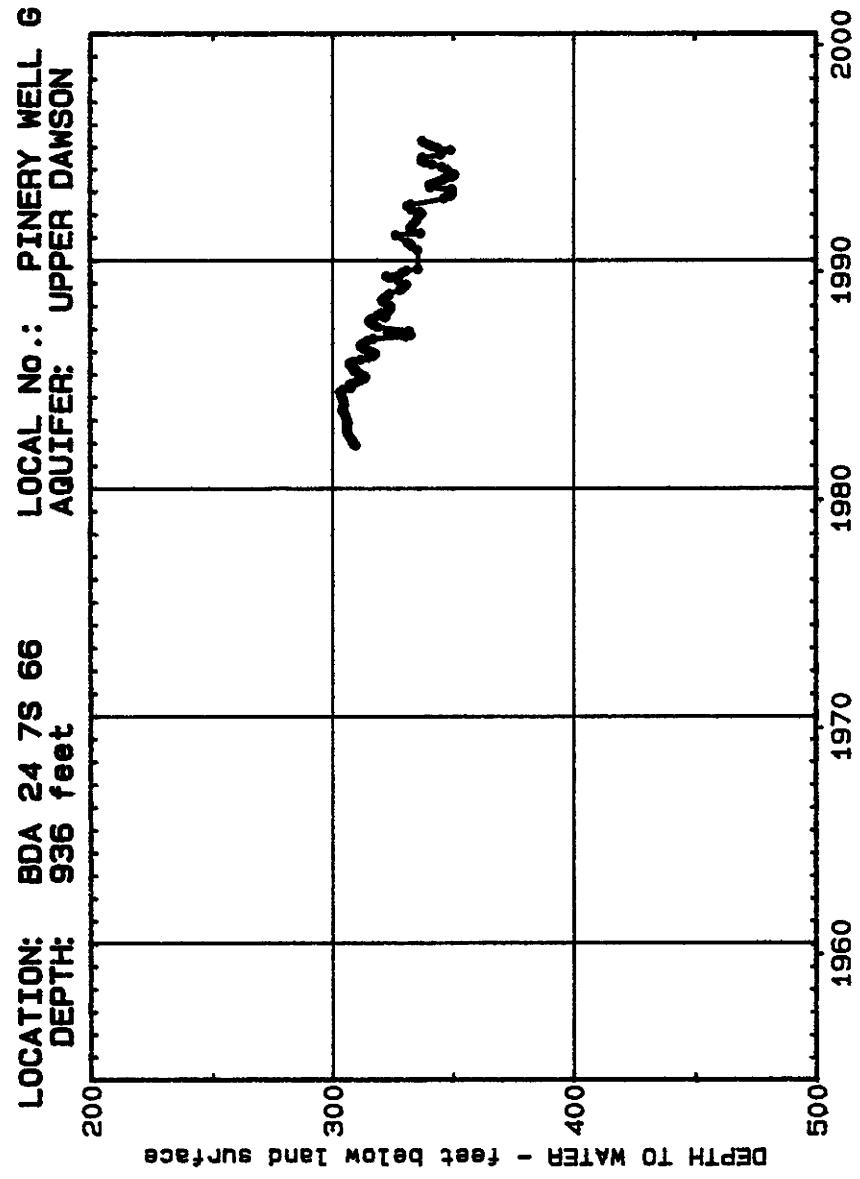
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DEPTH: feet

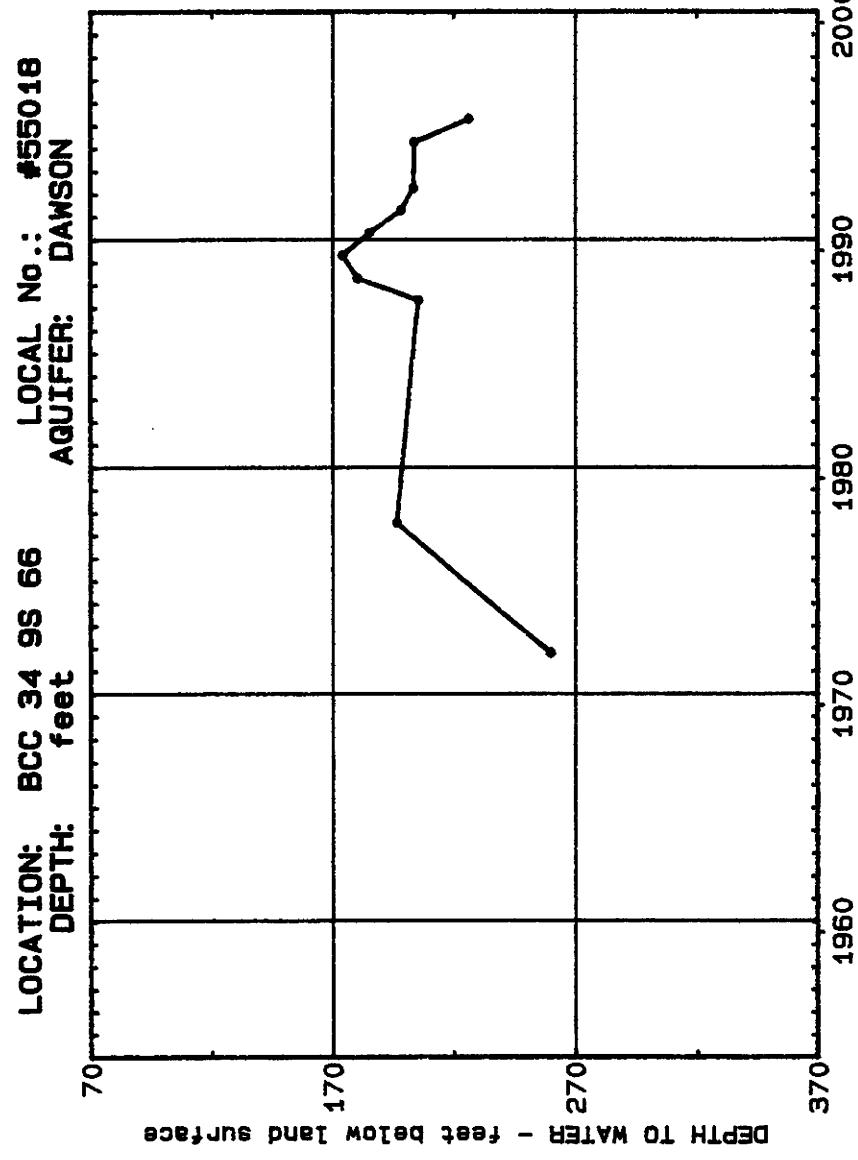
LOCAL No.: #28192, COLO DIV PARKS

AQUIFER: DAWSON









## **DENVER AQUIFER**

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
25579-	T02S R66W 03	NWNWNW Smith, Albert	TKd	5130	54.0 103.3 0.0 66.0 88.3 84.0 81.0 77.4 83.5 90.1 90.1 86.7	10/11/65 06/20/78 / / 04/05/89 04/06/90 04/04/91 04/14/92 04/26/93 04/12/94 04/12/95 04/05/96 04/06/97	-5.7	3.4	
43597-	T02S R66W 33	SESESW City of Denver	TKd	5320	137.0 144.7 141.9 146.4 143.3 138.8 138.0 137.1 136.3 135.9 135.3 134.8	12/12/70 06/21/78 04/08/88 04/05/89 04/06/90 04/04/91 04/14/92 04/08/93 04/12/94 04/12/95 04/05/96 04/06/97	3.2	0.5	
24057-	T03S R63W 28	NESENE Heede, J.	TKd	5473	88.0 107.7 127.9 128.7 133.8 125.4 126.0 125.1 124.4 124.0 125.2 125.6	06/07/65 05/22/78 04/18/88 04/07/89 04/06/90 04/05/91 04/24/92 04/15/93 04/15/94 04/13/95 04/10/96 04/04/97	0.4	-0.4	
57117-	T03S R66W 15	NENENW Moffitt, R.	TKd	5360	200.0 355.0 288.2 277.3 273.2 207.6 378.4 273.7 266.6 278.5 246.1 247.9	07/07/73 06/20/78 04/08/88 04/05/89 04/06/90 04/04/91 04/14/92 04/08/93 04/12/94 04/12/95 04/05/96 04/06/97	130.5	-1.8	

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
8639-	T03S R69W 28	SENESE Messina,A	TKd	5578	20.0 13.8 13.2 14.0 13.1 14.4 12.7 14.7 14.0 13.5 14.9 14.5	06/12/61 06/28/78 04/07/88 04/13/89 04/10/90 04/19/91 04/15/92 04/22/93 04/20/94 04/22/95 04/11/96 04/09/97	-1.8	0.4	
70642-	T04S R63W 07	NWSWSW Weiss, Mel	TKd	5692	185.0 190.9 271.5 271.7 0.0 275.1 274.6 274.8 275.5 279.4 281.0 285.6	11/18/73 07/10/78 04/12/90 04/18/89 / / 04/05/91 04/24/92 04/13/93 04/15/94 04/13/95 04/10/96 04/04/97	-11.0	-4.6	
53312-	T04S R64W 17	SESW Grahlmann, M.	TKd	5735	330.0 358.0 0.0 324.2 325.4 339.6 331.9 332.9 346.5 349.2 339.5 348.6	08/15/73 07/06/78 / / 04/07/89 04/06/90 04/05/91 04/24/92 04/13/93 04/15/94 04/13/95 04/10/96 04/04/97	-16.7	-9.1	
69973-	T04S R65W 02	NWNWNE Fischahs, Ed	TKd	5587	150.0 191.4 0.0 200.4 203.0 202.4 208.2 208.9 210.9 220.2 215.7 221.2	12/08/73 07/15/78 / / 04/18/89 04/06/90 04/05/91 04/23/92 04/13/93 04/15/94 04/16/95 04/10/96 04/04/97	-13.0	-5.5	

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
29939-F	T05S R66W 03	SESWNE E.Chry Ck Vall. TKd9 TKd	5710	0.0 0.0 269.0 262.0 260.0 280.0 273.0 0.0 283.0 287.0 508.0 0.0	/ / / / 03/21/88 04/01/89 04/01/90 05/09/91 06/10/92 / / 07/18/94 05/03/95 05/10/96 / /			
17416-F	T05S R67W 20	NENESW Willows W.D. D-1	TKd	5640	423.0 440.0 446.0 554.0 700.0 491.0 567.0 505.0 529.0 535.0 547.0 542.0	05/30/86 05/30/87 03/30/88 04/03/89 06/05/90 04/30/91 07/01/92 04/30/93 06/30/94 01/02/95 08/14/96 07/01/97	25.0	5.0
17417-F	T05S R67W 29	SWSESE Willows W.D. D-5	TKd	5630	358.0 375.0 384.0 432.0 700.0 490.0 731.0 474.0 459.0 470.0 460.0 460.0	05/30/86 05/30/87 03/30/88 04/03/89 06/05/90 04/30/91 07/01/92 04/30/93 06/30/94 01/02/95 08/14/96 07/01/97	271.0	0.0
17722-	T06S R63W 23	NENWSE Neira, John	TKd	5895	90.0 65.3 0.0 68.6 76.6 85.5 87.4 95.5 89.7 90.4 93.1 87.9	10/22/63 08/07/78 / / 04/25/89 04/18/90 04/16/91 04/09/92 04/16/93 04/22/94 04/23/95 04/09/96 04/15/97	-0.5	5.2

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
30813-F	T06S R66W 34	NENESW Stroh Ranch #3	TKd	5895	0.0 0.0 52.6 61.1 64.1 76.8 70.8 68.6 79.8 76.5 73.8 74.3	/ / / / 04/28/88 04/12/89 04/09/90 04/17/91 04/08/92 04/20/93 04/19/94 04/28/95 04/13/96 04/21/97	-3.5	-0.5	
24908-F	T06S R67W 1	SWNW Meridian W&S De-1	TKd	5890	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 121.0 0.0 273.0	/ / / / / / / / / / / / / / / / / / 01/10/95 / / 05/01/97			
24911-F	T06S R67W 11	SENW Meridian W&S De-4	TKd	5897	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 209.0 0.0 428.0	/ / / / / / / / / / / / / / / / / / 01/13/95 / / 05/01/97			
10687-F	T07S R62W 08	NWNENE Whitehead,C.B.	TKd	5972	275.0 337.5 0.0 0.0 0.0 335.3 335.3 336.2 335.7 337.5 332.7 356.2	03/30/62 03/13/71 / / / / / / 04/16/91 04/09/92 04/16/93 04/22/94 04/23/95 04/09/96 04/15/97	-20.9	-23.5	

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER	NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
26266-F	T07S R66W 31	NESE	Castle Oaks #7	TKd	6342	443.0 0.0 0.0 0.0 369.8 370.9 375.5 390.0 407.8 412.5 400.9 426.3	08/30/84 / / / / / / 04/07/90 04/10/91 04/08/92 04/10/93 04/09/94 04/08/95 04/06/96 04/18/97	-50.8	-25.4	
16393-FR	T07S R67W 21	SWNW	Castle Pines De-10	TKd	6057	0.0 0.0 0.0 0.0 0.0 493.3 0.0 556.0 632.0 0.0 0.0 550.2	/ / / / / / / / / / 04/02/91 / / 06/02/93 07/01/94 / / / / 05/16/97			
14310-	T08S R62W 14	SWSESW	Tucker,M.	TKd	5970	180.0 170.4 167.3 161.1 163.8 165.2 166.9 163.7 162.5 163.2 163.6 164.2	03/01/63 08/06/78 04/18/88 04/22/89 04/18/90 04/06/91 04/09/92 04/09/93 04/07/94 04/23/95 04/03/96 04/16/97	2.7	-0.6	
24640-F	T08S R66W 06	SWSWNE	Castle Oaks TKd 9	TKd	6466	0.0 0.0 628.3 645.3 654.8 666.0 665.1 675.0 678.4 678.5 694.0 710.8	/ / / / 04/15/88 04/15/89 04/07/90 04/07/91 04/08/92 04/10/93 04/09/94 04/08/95 04/07/96 04/18/97	-45.7	-16.8	

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
25596-F	T08S R66W 08	SWSESE Park Funding Corp.	TKd	6610	0.0 974.0 969.4 959.1 979.9 989.2 998.4 1014.6 1019.2 1023.8 1037.7 1035.2	/ / 09/28/83 04/15/88 04/21/89 04/24/90 04/10/91 04/08/92 04/20/93 04/09/94 04/08/95 04/07/96 03/01/97	-36.8	2.5	
31330-F	T08S R67W 13	NWNW Town of Cast.Rk 7C	TKd	6280	0.0 0.0 0.0 0.0 0.0 0.0 0.0 380.4 0.0 405.8 404.0 440.5	/ / / / / / / / / / / / / / 03/01/93 / / 04/01/95 04/16/96 03/01/97	-36.5		
25764-F	T08S R67W 14	NWSE Castle Rock well 15	TKd	6340	0.0 0.0 0.0 0.0 0.0 378.8 231.0 329.0 0.0 0.0 405.0 0.0	/ / / / / / / / / / 04/17/91 03/01/92 03/01/93 / / / / 03/19/96 / /		PUMPING	
31571-	T08S R68W 12	SENENE Elzi,Charles	TKd	6140	110.0 142.0 145.2 144.6 145.4 144.8 143.8 143.3 152.8 145.0 146.2 145.4	07/20/67 08/09/78 04/26/88 04/13/89 04/19/90 04/03/91 04/22/92 04/14/93 04/06/94 04/22/95 04/13/96 04/18/97	-1.6	0.8	

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
65657-	T09S R61W 32	SESWSE Stoll,R.	TKd	6090	120.0 122.8 124.1 122.0 121.9 126.2 122.1 122.3 122.7 122.6 122.7 123.2	12/20/72 04/20/78 04/18/88 04/27/89 04/27/90 04/16/91 04/10/92 04/09/93 04/08/94 04/20/95 04/06/96 04/16/97	-1.1	-0.5	
28853-	T09S R62W 03	SENWSE Bijou Ranch	TKd	5925	85.0 54.6 51.8 60.6 51.4 57.5 50.7 51.5 50.1 52.5 54.8 52.6	09/01/66 07/20/78 04/18/88 04/22/89 04/18/90 04/06/91 04/09/92 04/09/93 04/07/94 04/23/95 04/03/96 04/16/97	-1.9	2.2	
31769-F	T09S R66W 12	NESWNE Mueller,P.	TKd	6690	0.0 485.0 477.9 477.8 494.1 484.8 496.3 500.9 496.3 498.6 494.0 496.3	/ / 07/13/87 04/28/88 04/15/89 04/21/90 04/09/91 04/11/92 04/02/93 04/14/94 04/07/95 04/06/96 04/03/97	0.0	-2.3	
21126-F	T11S R67W 23	NENE Woodmoor W.D. #9	TKd	7023	400.0 432.0 516.0 557.0 0.0 545.0 540.0 570.0 526.0 556.0 0.0 563.0	11/29/76 04/01/86 04/01/88 04/01/89 / / 04/01/91 04/01/92 04/01/93 03/28/94 04/01/95 / / 01/01/97	-23.0		

**WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997**

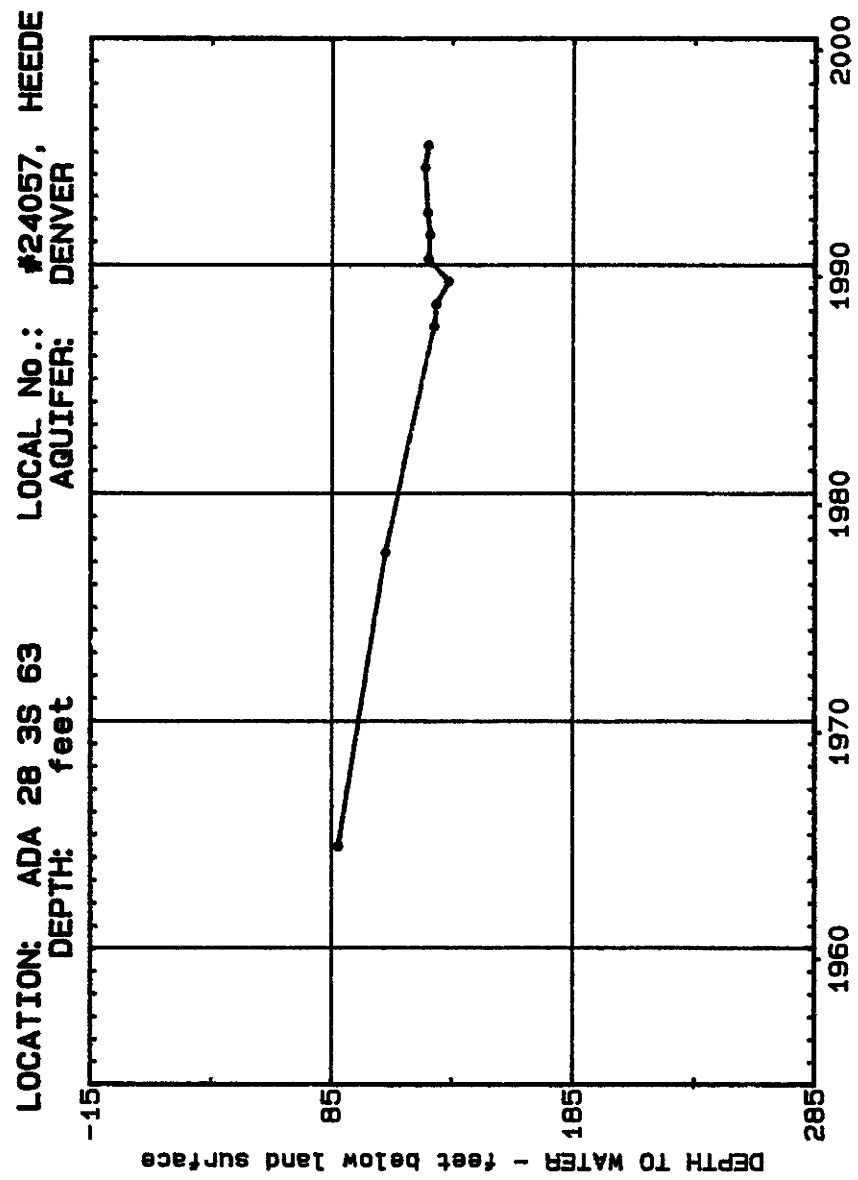
PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
11635-	T12S R61W 01	NENENW Fuchs, Frank	TKd	6541	146.6 0.0 0.0 119.8 119.2 119.6 119.9 119.2 119.4 119.7 119.5 119.8	08/07/74 / / / / 04/27/89 04/27/90 04/16/91 04/10/92 04/09/93 04/08/94 04/20/95 04/06/96 04/17/97	0.1	-0.3	
50038-	T12S R62W 07	SWSNW Lee, Frederick	TKd	6630	130.0 132.0 121.3 124.0 118.2 114.8 111.7 121.9 121.2 108.6 108.4 108.8	12/31/71 08/18/78 04/28/88 03/28/89 04/27/90 04/15/91 04/10/92 04/17/93 04/08/94 04/07/95 04/06/96 04/17/97	2.9	-0.4	
31382-M	T12S R62W 19	SWSWSW USGS Obs. Well	TKd	6450	0.0 0.0 0.0 0.0 62.7 69.6 0.0 76.2 0.0 0.0 0.0 76.8	/ / / / / / / / 05/02/90 03/28/91 / / 02/19/93 / / / / / / 06/20/97			
14133-	T12S R63W 06	SESWSE Pomana, Stan	TKd	6810	46.0 61.7 0.0 56.2 53.8 54.5 57.5 53.4 52.4 52.7 51.4 56.6	02/13/63 09/02/78 / / 04/27/89 04/27/90 04/15/91 04/11/92 04/17/93 04/08/94 04/07/95 04/06/96 04/17/97	0.9	-5.2	

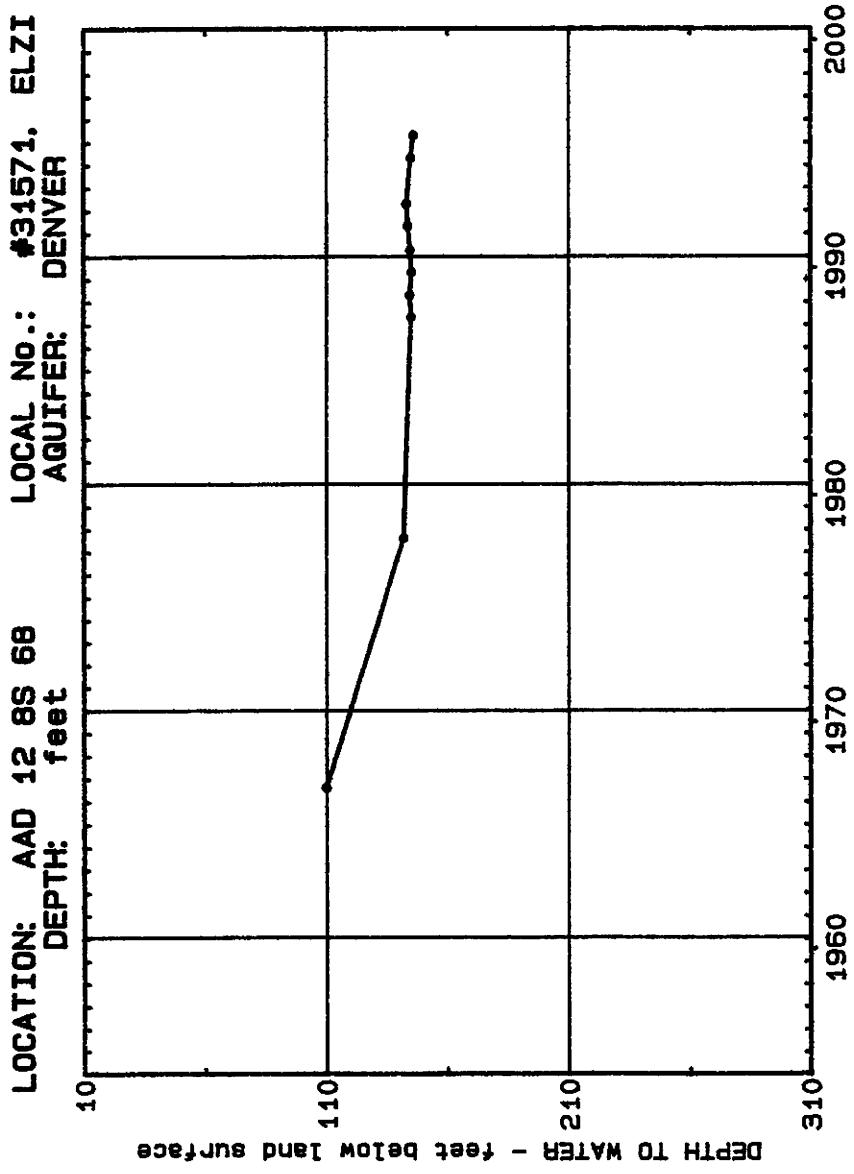
WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
62585-	T12S R63W 25	NWNWSW McGee Troy	TKd	6486	68.0 62.6 57.4 58.2 59.2 60.2 61.5 65.0 68.2 69.3 70.5 75.4	01/19/73 06/24/85 04/18/88 03/28/89 04/27/90 04/15/91 04/10/92 04/12/93 04/14/94 04/07/95 04/06/96 04/17/97	-13.9	-4.9	
17473-F	T12S R66W 08	SWSWNW Western Mues.Mining	TKd	6763	0.0 214.3 209.7 210.2 211.7 212.2 212.2 212.9 214.0 215.1 212.7 212.7	/ / 11/08/74 04/19/88 04/26/89 04/21/90 04/09/91 04/11/92 04/14/93 04/21/94 04/07/95 04/12/96 04/18/97	-0.5	0.0	
14937-F	T12S R67W 01	NWSWSW USAF Acadmy	#2-B	TKd	6640	0.0 415.0 432.0 0.0 395.0 430.0 380.0 380.0 370.0 480.0 425.0 0.0	/ / 02/28/87 03/29/88 / / 04/10/90 03/12/91 04/22/92 04/20/93 03/20/94 03/01/95 04/01/96 / /		Not measured
13682-F	T12S R67W 12	SENESW USAF Acadmy	#4-A	TKd	6585	0.0 315.0 252.0 0.0 0.0 310.0 0.0 0.0 280.0 245.0 0.0	/ / 02/28/87 03/29/88 / / 04/10/90 03/12/91 / / / / 03/01/95 04/01/96 / /		Not measured

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
13685-F	T12S R67W 24	SENE USAF Acadmy	#5-A	TKd 6559	0.0 0.0 250.0 0.0 280.0 310.0 220.0 260.0 280.0 0.0 0.0 0.0	/ / / / 03/29/88 / / 04/10/90 03/12/91 04/22/92 04/20/93 12/15/93 / / / / / /			Not measured
31383-M	T13S R62W 07	NWSWNW USGS Obs. Well		TKd 6282	0.0 0.0 0.0 0.0 54.0 69.6 0.0 71.4 0.0 0.0 0.0 81.5	/ / / / / / / / 03/15/90 03/28/91 / / 02/19/93 / / / / / / 06/20/97			
36743-	T13S R64W 18	SWNWSW Veith,E.		TKd 6800	0.0 51.2 34.6 47.2 74.4 48.2 129.3 48.2 48.2 46.8 56.0 37.8	/ / 10/13/78 04/28/88 04/26/89 04/26/90 04/15/91 04/11/92 04/18/93 04/14/94 04/07/95 04/06/96 04/17/97	91.5	18.2	
29373-	T13S R64W 34	SESWSW Reuter,Holly		TKd 6500	41.0 38.9 37.6 37.9 40.8 40.8 41.4 42.4 43.1 52.6 43.0 41.9	01/05/67 09/30/78 04/19/88 04/26/89 04/26/90 04/15/91 04/10/92 04/18/93 04/14/94 04/07/95 04/06/96 04/17/97	-0.5	1.1	





## **ARAPAHOE AQUIFER**

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
32925-	T01N R65W 29	SWSESW Kilkner, D.	Ka u 5041	40.0 51.9 41.9 60.0 46.9 45.7 42.6 44.3 44.2 46.6 45.5 45.6	01/06/68 06/07/78 04/13/88 04/06/89 04/03/90 04/04/91 04/17/92 04/27/93 04/12/94 04/12/95 04/04/96 04/13/97	-3.0	-0.1	
69994-	T01N R66W 24	NESESE Could, R.	Ka u 5024	142.0 159.2 173.0 177.5 172.4 176.1 175.3 183.2 175.8 193.0 195.4 190.6	08/27/73 06/16/78 04/13/88 04/06/89 04/03/90 04/04/91 04/17/92 04/27/93 04/12/94 04/12/95 04/04/96 04/13/97	-15.3	4.8	
59664-	T01S R66W 18	SWSWSW Grayson, D.E.	Ka l 5035	104.0 134.0 161.2 146.2 156.3 154.6 133.8 133.8 133.8 142.7 133.8 137.9	12/04/72 06/09/78 04/12/88 04/05/89 04/04/90 04/22/91 04/17/92 04/27/93 04/12/94 04/12/95 04/05/96 04/06/97	-4.1	-4.1	
34264-	T01S R67W 07	NWSWNW O'Neil, L.	Ka l 5138	135.0 177.0 147.0 150.6 145.0 144.6 160.8 140.8 142.3 135.4 138.2 138.7	07/06/68 06/13/78 04/14/88 04/05/89 04/03/90 04/04/91 04/15/92 04/22/93 04/20/94 04/18/95 04/05/96 04/09/97	22.1	-0.5	

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
28625-F	T01S R67W 27	SWNWSE Adams Co	Well #8	Ka l 5009	0.0 60.0 95.5 143.0 162.3 104.8 111.8 0.0 123.2 176.8 148.9 179.7	/ / 08/03/85 04/27/88 04/19/89 04/13/90 04/04/91 04/12/92 / / 04/21/94 04/18/95 04/05/96 04/08/97	-67.9	-30.8	
52008-	T01S R67W 32	NESESE Hampson, R		Ka l 5138	130.0 159.7 185.2 200.7 192.0 197.0 199.4 201.2 208.2 211.6 220.6 219.2	12/06/73 06/12/78 04/12/88 04/19/89 04/10/90 04/04/91 04/15/92 04/22/93 04/21/94 04/18/95 04/05/96 04/09/97	-19.8	1.4	
5191-F	T01S R67W 34	SWNENW Adams Co.		Ka l 5105	0.0 0.0 73.8 76.4 92.6 82.2 107.8 97.4 115.0 211.3 136.7 207.3	/ / / / 04/27/88 04/19/89 04/10/90 04/04/91 04/21/92 04/23/93 04/21/94 04/18/95 04/05/96 04/08/97	-99.5	-70.6	
39965-	T02S R67W 02	SWSWSE Nickerson,Dennise	Ka l	5082	55.0 79.4 200.6 217.9 209.0 200.9 183.6 176.6 171.4 207.8 211.7 219.5	12/15/69 06/30/78 04/13/88 04/05/89 04/04/90 04/04/91 04/17/92 04/23/93 04/21/94 04/12/95 04/05/96 04/06/97	-35.9	-7.8	

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL	OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
22500-F	T02S R68W 10	NESESE	Northglenn	Ka 7	Ka	5310	0.0 0.0 236.4 365.8 301.1 298.8 301.1 298.8 300.6 302.9 298.3 302.9	/ / / / 04/05/88 04/19/89 04/13/90 04/19/91 04/15/92 04/15/93 04/21/94 04/18/95 04/11/96 04/09/97	-1.8	-4.6
24690-F	T02S R68W 17	NESE	Federal Heights	KA-6	Ka	5500	486.0 0.0 0.0 496.0 496.0 443.0 466.0 492.0 503.0 503.0 0.0 479.0	04/01/80 / / / / 04/01/89 04/01/90 04/01/91 04/01/92 04/01/93 04/01/94 04/01/95 / / 04/30/97	-13.0	
2129-F	T02S R68W 20	SWSE	Federal Heights	Ka-2	Ka	5510	505.0 0.0 0.0 0.0 528.0 525.0 522.0 525.0 530.0 536.0 533.0 532.0	05/07/59 / / / / / / 04/01/90 04/01/91 04/01/92 04/01/93 04/01/94 04/01/95 04/01/96 04/30/97	-10.0	1.0
16192-F	T02S R68W 20	SWNE	Federal Heights	Ka-3	Ka	5525	460.0 0.0 0.0 0.0 550.0 557.0 552.0 552.0 551.0 549.0 548.0 549.0	04/24/55 / / / / / / 04/01/90 04/01/91 04/01/92 04/01/93 04/01/94 04/01/95 04/01/96 04/30/97	3.0	-1.0

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PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997	
2209-F	T02S R68W 20	NWSWSE Federal Heights Ka-4 Ka	5505	510.0 0.0 0.0 0.0 568.0 569.0 568.0 565.0 567.0 570.0 513.0 510.0	510.0 / / / / / / 04/01/90 04/01/91 04/01/92 04/01/93 04/01/94 04/01/95 04/01/96 04/30/97	07/21/59	58.0	3.0		
24689-F	T02S R68W 21	NESW Federal Hieghts Ka-8 Ka	5405	451.0 0.0 0.0 0.0 440.0 443.0 433.0 442.0 442.0 444.0 453.0 453.0	451.0 / / / / / / 07/01/90 04/01/91 04/01/92 04/01/93 04/01/94 04/01/95 04/01/96 04/30/97	08/28/80	-20.0	0.0		
3466-F	T03S R62W 33	NESESW Strasburg W & S Dist Ka	5377	79.0 84.5 101.5 100.7 89.6 89.7 91.8 92.6 93.0 163.9 163.4 109.2	79.0 05/23/78 05/04/88 04/07/89 04/12/90 04/05/91 04/24/92 04/15/93 04/15/94 04/16/95 04/09/96 04/04/97	03/07/62	-17.4	54.2		
17071-F	T03S R63W 27	SENE Bennet, Town of,Ka	Ka	5485	86.0 0.0 0.0 328.4 225.3 236.6 371.3 345.8 377.6 322.4 551.4 276.6	86.0 / / / / 04/18/89 04/12/90 04/05/91 04/24/92 04/15/93 04/15/94 04/13/95 04/10/96 04/04/97	07/02/74	94.7	274.8	NOT PUMPED TH

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1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
5348-F	T03S R66W 31	SESWSE Hillcrest Vill. #1	Ka l	5385	0.0 255.0 504.4 615.3 518.8 543.7 539.1 614.3 594.9 573.7 587.6 587.6	/ / 06/04/64 04/27/88 04/20/89 04/12/90 04/05/91 04/14/92 04/08/93 04/19/94 04/13/95 04/10/96 04/08/97	-48.5	0.0	
5349-F	T03S R66W 31	NWWNSE Hillcrest Vill. #2	Ka l	5390	0.0 235.0 519.2 641.7 595.5 627.8 547.0 560.9 556.2 667.1 0.0 0.0	/ / 04/26/64 04/27/88 04/20/89 04/13/90 04/05/91 04/14/92 04/08/93 04/19/94 04/13/95 04/10/96 / /			
13904-F	T03S R66W 31	NENESE Hillcrest Village #3	Ka l	5360	435.0 0.0 502.8 620.6 611.4 611.4 606.8 546.7 613.7 583.7 650.7 641.4	05/13/69 / / 04/27/88 04/20/89 04/13/90 04/05/91 04/14/92 04/08/93 04/19/94 04/13/95 04/10/96 04/08/97	-34.6	9.3	
-	T03S R67W 17	NENWNE So. Adams Co. W&S	Ka	5210	0.0 0.0 512.0 159.4 0.0 491.3 461.6 474.2 480.0 484.5 482.1 479.1	/ / / / 04/05/88 04/19/89 / / 04/22/91 04/21/92 04/23/93 04/21/94 04/18/95 04/11/96 04/08/97	-17.5	3.0	

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PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER	NAME OF WELL	OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
13974-	T03S R68W 10	SWNW	Waste Management		Ka	0.0	73.0	01/08/63	-	4.7	
						0.0	/ /				
						0.0	/ /				
						79.4	04/20/89				
						82.8	04/04/90				
						90.8	04/19/91				
						0.0	/ /				
						70.1	04/27/93				
						71.2	04/21/94				
						76.7	04/22/95				
						77.4	04/04/96				
						72.7	04/01/97				
33220-	T03S R68W 34	SWNWSW	Mtn.Bell		Ka	5220	278.0	06/27/78	-6.6	-6.7	
						282.9	04/04/84				
						282.7	05/10/88				
						269.3	04/20/89				
						268.4	05/03/90				
						269.4	04/23/91				
						266.2	05/04/92				
						269.9	05/04/93				
						272.3	04/25/94				
						267.4	05/02/95				
						266.1	04/16/96				
						272.8	04/23/97				
13129-	T04S R62W 06	NWNENW	Newby,M		Ka u	5410	80.0	10/12/62	-14.1	-4.8	
						108.1	07/10/78				
						92.9	04/20/88				
						99.7	04/07/89				
						88.9	04/06/90				
						84.9	04/05/91				
						87.7	04/24/92				
						90.1	04/15/93				
						94.6	04/15/94				
						105.4	04/13/95				
						97.0	04/09/96				
						101.8	04/04/97				
27141-F	T04S R69W 14	NWNWSW	Lakewood,City of		Ka	5525	0.0	/ /	4.6	69.3	
						410.0	08/12/85				
						404.4	04/07/88				
						377.8	05/04/89				
						391.7	04/27/90				
						391.7	04/19/91				
						394.0	04/15/92				
						414.8	04/22/93				
						396.3	04/19/94				
						398.6	04/25/95				
						458.7	04/12/96				
						389.4	04/09/97				

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PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF (GS)	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
117006-	T04S R70W 01	NWSE Pleasant View W.& S. Ka	Ka	5790	530.0 0.0 0.0 624.0 609.3 613.1 598.6 613.9 594.0 606.3 601.8 612.3	10/25/90 / / / / 05/01/89 03/21/90 / / 04/27/92 05/18/93 04/19/94 07/07/95 04/10/96 05/21/97	-13.7	-10.5	
50001-	T05S R60W 06	SESESW Ehman, George	Ka	5365	50.0 51.9 0.0 73.5 73.0 73.8 74.5 72.7 72.4 72.3 72.3 73.2	12/06/71 07/18/78 / / 04/25/89 04/18/90 04/16/91 04/23/92 04/16/93 04/22/94 04/14/95 04/09/96 04/15/97	1.3	-0.9	
28491-F	T05S R66W 03	NWSENE E.Chry Ck Valley,Ka	Ka	5710	0.0 0.0 815.0 660.0 907.0 722.0 806.0 769.0 808.0 829.0 852.0 0.0	/ / / / 01/29/88 04/01/89 04/01/90 05/09/91 06/10/92 03/09/93 04/26/94 05/03/95 05/10/96 / /			
35989-F	T05S R66W 31	NWSW Arapahoe W&S,Dnmrk 4	Ka	5799	0.0 0.0 0.0 0.0 707.3 693.5 0.0 0.0 819.2 0.0 0.0 0.0	/ / / / / / / / 04/18/90 04/23/91 / / / / 06/01/94 / / / / / /			

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PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
16582-F	T05S R67W 09	NESESW Den Tech Cntr, North Ka		5620	463.0 567.0 470.0 493.0 506.0 613.0 628.0 625.0 633.0 667.0 692.0 760.5	04/22/86 04/01/87 04/01/88 04/01/89 04/01/90 04/01/91 05/01/92 05/03/93 05/01/94 05/01/95 02/01/96 03/30/97	-132.5	-68.5	
16584-F	T05S R67W 16	SENESE Den.Tech.Cntr, South Ka		5675	368.0 609.0 507.0 532.0 520.0 615.0 676.0 648.0 660.0 699.0 727.0 803.0	04/22/86 04/01/87 04/01/88 04/01/89 04/01/90 04/01/91 06/01/92 05/03/93 05/01/94 05/01/95 02/01/96 03/30/97	-127.0	-76.0	
17421-F	T05S R67W 20	NENNSW Willows W.D. A-1	Ka	5610	572.0 422.0 414.0 338.0 487.0 540.0 596.0 582.0 690.0 674.0 772.0 785.0	05/30/86 05/30/87 03/30/88 04/03/89 06/05/90 04/30/91 07/01/92 04/30/93 06/30/94 01/02/95 08/14/96 07/01/97	-189.0	-13.0	
35772-F	T05S R67W 24	SENE Arapahoe W&S,A2	Ka	5632	0.0 0.0 643.0 603.0 611.0 652.5 0.0 0.0 799.0 0.0 0.0 0.0	/ / / / 08/18/88 12/19/89 03/01/90 02/20/91 / / / / 06/30/94 01/02/95 / / / /			

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PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER	NAME OF WELL OWNER	AQUIF ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
27776-F	T05S R67W 26	CNE	Arapahoe W&S,Arprt 3	Ka 5726	0.0 0.0 0.0 0.0 637.3 653.5 0.0 0.0 649.9 0.0 0.0 0.0	/ / / / / / / / 04/18/90 02/20/91 / / / / 06/01/94 / / / / / /			
17422-F	T05S R67W 29	SESESE	Willows W.D. A-5	Ka 5700	465.0 477.0 391.0 506.0 700.0 607.0 686.0 633.0 737.0 714.0 0.0 0.0	05/30/86 05/30/87 03/30/88 04/03/89 06/05/90 04/30/91 07/01/92 04/30/93 06/30/94 01/02/95 / / / /			not available
15885-RF	T05S R67W 34	SWSE	Inverness #2	Ka 5800	361.0 453.0 0.0 520.0 741.0 714.0 772.0 0.0 0.0 0.0 825.3 949.6	04/30/86 04/30/87 / / 04/01/89 11/05/90 06/28/91 07/14/92 / / / / / / 05/09/96 06/11/97	-177.6	-124.3	
15810-F	T05S R67W 34	NESE	Inverness #1	Ka 5810	445.0 560.0 0.0 687.0 0.0 791.0 849.0 753.0 0.0 727.0 964.5 0.0	04/30/86 06/30/87 / / 04/01/89 / / 05/17/91 07/14/92 04/19/83 / / 06/16/95 05/09/96 / /			

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PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
7729-F	T05S R67W 34	SESENW Lerrick,L.	Ka	5873	563.8 635.8 655.5 702.0 711.2 748.8 807.6 797.4 806.3 873.5 893.9 930.2	04/12/84 04/16/87 04/28/88 03/30/89 04/16/90 05/08/91 04/22/92 05/18/93 04/19/94 07/07/95 05/16/96 05/21/97	-122.6	-36.3	
16309-RF	T05S R67W 34	NENE Inverness #4	Ka	5785	0.0 0.0 0.0 577.0 738.0 713.0 794.0 702.0 0.0 0.0 819.8 897.3	/ / / / / / 04/01/89 11/15/90 06/28/91 07/14/92 04/19/93 / / / / 05/09/96 06/11/97	-103.3	-77.5	
34167-	T05S R69W 11	NWNWSE Steele, Jack	Ka	5540	215.0 180.5 160.8 166.8 160.6 161.3 158.2 165.2 162.3 160.6 159.8 161.2	06/19/68 08/01/78 04/26/88 04/13/89 04/10/90 04/19/91 04/15/92 04/22/93 04/20/94 04/22/95 04/11/96 04/09/97	-3.0	-1.4	
-	T06S R66W 05	SWSWNE Dixon deep well #6	Ka	785.0	443.2 508.0 534.7 620.3 511.2 502.9 503.6 491.1 495.4 488.6 0.0 0.0	04/12/84 04/16/87 04/22/88 03/30/89 04/16/90 04/17/91 04/22/92 05/18/93 04/19/94 02/03/95 / / / /			

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PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
17171-F	T06S R66W 24	SENE Parker Prop. #3	Ka	6035	540.0 0.0 0.0 766.3 785.7 808.7 834.4 862.3 893.3 960.9 992.3 0.0	11/20/74 / / / / 03/30/89 03/21/90 04/17/91 04/22/92 05/18/93 04/19/94 07/07/95 05/16/96 / /			
29735-F	T06S R66W 34	NENESW Stroh Ranch #2	Ka	5895	0.0 0.0 584.2 617.0 654.3 662.0 655.1 703.6 736.0 932.3 0.0 847.0	/ / / / 04/28/88 04/11/89 04/09/90 04/17/91 04/08/92 04/20/93 04/19/94 04/28/95 / / 04/22/97	-191.9		
17690-F	T06S R67W 01	NESW Meridian W & S A-1	Ka	5835	0.0 0.0 0.0 0.0 0.0 0.0 0.0 745.0 0.0 863.0 0.0 899.0	/ / / / / / / / / / / / / / 04/01/93 / / 05/01/95 / / 05/01/97			
17692-F	T06S R67W 11	NWNW Meridian W & S A-2	Ka	5915	0.0 0.0 0.0 0.0 0.0 0.0 0.0 876.0 0.0 896.0 0.0 1005.0	/ / / / / / / / / / / / / / 04/01/93 / / 02/27/95 / / 05/01/97			

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PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
25856-F	T06S R67W 12	NWSW	Meridian W & S A-3	Ka	5955	0.0 0.0 0.0 0.0 0.0 0.0 0.0 863.0 0.0 923.0 0.0 1066.0	/ / / / / / / / / / / / / / 04/01/93 / / 04/17/95 / / 05/01/97	-	-
22187-F	T06S R67W 17	SWSE	Willows W.D. PA-6	Ka	5920	0.0 702.0 668.0 332.0 857.0 721.0 900.0 875.0 856.0 911.0 958.0 983.0	/ / 04/30/87 03/30/88 04/03/89 06/05/90 04/30/91 07/01/92 04/30/93 06/30/94 01/02/95 08/14/96 07/01/97	-83.0	-25.0
22189-F	T06S R67W 20	SWSWSW	Willows W.D. PA-8	Ka	6110	741.0 691.0 704.0 0.0 916.0 1024.0 1086.0 966.0 959.0 1059.0 1116.0 1024.0	05/30/86 05/30/87 03/30/88 / / 06/05/90 04/30/91 07/01/92 04/30/93 04/29/94 01/02/95 08/14/96 07/01/97	62.0	92.0
21905-F	T06S R68W 01	NENESW	Willows W.D. PA-3	Ka	5855	0.0 540.0 430.0 0.0 0.0 698.0 800.0 777.0 791.0 821.0 880.0 882.0	/ / 05/30/86 03/30/88 / / / / 04/30/91 07/01/92 04/30/93 06/30/94 01/02/95 08/14/96 07/01/97	-82.0	-2.0

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PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
6510-	T07S R60W 09	SWNWSE Nagel, David	Ka	5700	125.0 91.9 0.0 115.0 109.9 100.2 87.0 87.8 103.4 103.3 93.0 96.7	08/03/60 07/31/78 / / 04/24/89 04/18/90 04/06/91 04/09/92 04/16/93 04/22/94 04/23/95 04/09/96 04/15/97	-9.7	-3.7	
4840-	T07S R60W 29	SWNWNE DeWindt, John	Ka	5880	205.0 212.2 0.0 215.1 211.3 202.1 205.5 203.9 202.8 203.2 207.8 209.7	10/01/59 07/31/78 / / 04/24/89 04/18/90 04/06/91 04/09/92 04/16/93 04/22/94 04/23/95 04/09/96 04/15/97	-4.2	-1.9	
19037-F	T07S R65W 18	SENESW Pinery #F	Ka	6425	496.5 501.1 504.8 513.5 506.0 520.0 501.2 521.8 529.0 527.4 530.6 532.0	04/12/84 04/15/87 04/28/88 03/30/89 04/16/90 04/17/91 04/23/92 05/18/93 04/19/94 07/07/95 05/16/96 05/21/97	-30.8	-1.4	
28858-F	T07S R67W 04	NESE Castle Pines A-2	Ka	6390	1037.0 1083.0 0.0 0.0 1247.4 0.0 0.0 1302.0 0.0 1291.0 0.0 1348.6	09/02/85 11/06/86 / / / / 10/18/90 / / / / 06/02/93 / / 03/01/95 / / 06/25/97			

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PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL	OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS	1997
27993-F	T07S R67W 08	NENE	Castle Pines	A-1	Ka	6360	1023.0 0.0 0.0 0.0 0.0 0.0 1174.0 1320.0 0.0 0.0 1270.3	09/12/85 / / / / / / / / / / 06/02/93 09/27/94 / / / / 04/15/97			
27995-F	T07S R67W 09	NESW	Castle Pines	A-3	Ka	6600	0.0 1318.0 0.0 0.0 1404.4 0.0 0.0 0.0 1466.0 0.0 1578.2	/ / 09/22/87 / / / / 10/17/90 / / / / / / 06/05/95 / / 06/25/97			
61822-	T08S R61W 03	NWSENE	Burns, L.		Ka	6078	127.0 251.3 338.7 350.2 343.2 342.7 389.0 156.7 330.6 331.5 331.9 331.2	06/01/73 08/07/78 05/04/88 04/24/89 04/18/90 04/06/91 04/09/92 04/18/93 04/07/94 04/23/95 04/09/96 04/16/97	57.8	0.7	
25040-F	T08S R66W 07	NWNE	Castle Rock,City of	Ka	6516	0.0 0.0 949.1 1088.0 1002.2 974.5 0.0 998.2 0.0 1058.9 1052.0 1113.2	/ / / / 05/05/88 04/21/89 04/24/90 04/17/91 / / 03/01/93 / / 04/01/95 04/25/96 03/01/97		-61.2		

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PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
25602-F	T08S R66W 09	NENESW Park Funding Corp.	Ka	6658	0.0 1084.0 1065.2 1069.8 1176.9 1122.9 1162.0 1136.8 1146.1 1173.8 1199.2 1208.4	/ / 09/27/83 04/15/88 04/21/89 04/24/90 04/10/91 04/08/92 04/20/93 04/09/94 04/08/95 04/06/96 04/18/97	-46.4	-9.2	
25601-F	T08S R67W 08	SWSW Town of Cast.Rk 20	Ka	6615	0.0 0.0 0.0 0.0 0.0 0.0 0.0 1083.6 0.0 1241.7 1199.2 1255.5	/ / / / / / / / / / / / / / 03/01/93 / / 04/01/95 04/07/96 03/01/97		-56.3	
22664-F	T08S R67W 12	SWNE Town of Cast.Rk 10	Ka	6360	0.0 0.0 0.0 0.0 0.0 0.0 0.0 812.9 0.0 895.8 899.0 939.7	/ / / / / / / / / / / / / / 03/01/93 / / 04/01/95 04/16/96 03/01/97	-40.7	PUMPING	
25763-F	T08S R67W 14	NWSE Castle Rock well 14	Ka	6340	0.0 0.0 0.0 0.0 0.0 727.0 0.0 465.5 402.1 606.5 538.0 555.5	/ / / / / / / / / / 04/17/91 / / 03/01/93 04/20/94 04/01/95 04/16/96 03/01/97		-17.5	

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OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE	CHANGE	REMARKS 1997
							1992/97	1996/97	
85063-	T09S R60W 16	NWNWNW Hasenbolg, Leroy	Ka	5950	115.0 117.6 0.0 101.6 102.2 102.3 102.3 102.0 102.5 102.6 103.2 102.6	08/01/76 08/18/78 / / 04/24/89 04/18/90 04/06/91 04/09/92 04/09/93 04/07/94 04/20/95 04/06/96 04/16/97	-0.3	0.6	
4712-	T10S R60W 04	SESENW Lemley, Donald	Ka	6080	110.0 114.7 0.0 114.0 113.8 114.5 113.7 113.8 121.0 115.3 114.7 114.2	09/01/59 08/15/78 / / 04/27/89 04/27/90 04/16/91 04/10/92 04/09/93 04/08/94 04/20/95 04/06/96 04/16/97	-0.5	0.5	
44490-F	T10S R61W 11	NWSWNW Fetish,Polly	Ka	6205	217.0 274.4 213.2 212.0 211.0 213.9 222.0 214.3 214.2 214.3 216.5 217.0	02/01/71 07/03/78 04/18/88 04/27/89 04/27/90 04/16/91 04/10/92 04/09/93 04/08/94 04/23/95 04/06/96 04/16/97	5.0	-0.5	
48587-	T10S R61W 21	NWNWNW Hertneky,Geo.& Ken.	Ka	6322	260.0 306.6 295.3 299.1 295.6 298.9 299.0 296.3 296.4 298.6 296.3 296.6	10/01/71 07/03/78 04/18/88 04/27/89 04/27/90 04/16/91 04/10/92 04/09/93 04/08/94 04/20/95 04/06/96 04/16/97	2.4	-0.3	

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
16248-F	T11S R67W 01	NESW	Woodmoor W.D. #8	Ka	7484	1196.0 1186.0 1251.0 1276.0 0.0 1290.0 1300.0 1334.0 1357.0 1318.0 0.0 1318.0	05/07/71 04/01/86 04/01/88 04/01/89 / / 04/01/91 04/01/92 04/01/93 03/22/94 04/01/95 / / 01/01/97	-18.0	
29314-F	T11S R67W 01	SWSE	Woodmoor W.D. #11	Ka	7458	1121.0 0.0 1254.0 1263.0 1268.0 1259.0 1264.0 1318.0 1328.0 1140.0 0.0 1360.0	05/12/86 / / 04/01/88 04/01/89 04/01/90 04/01/91 04/01/92 04/01/93 03/22/94 04/01/95 / / 01/01/97	-96.0	
24030-F	T11S R67W 23	NENE	Woodmoor W.D. #10	Ka	7030	561.0 635.0 0.0 587.0 666.0 689.0 684.0 701.0 792.0 764.0 0.0 808.0	07/09/79 04/01/87 04/01/88 04/01/89 04/01/90 04/01/91 04/01/92 04/01/93 03/28/94 04/01/95 / / 01/01/97	-124.0	
17483-F	T11S R67W 35	NWNE	Forest Lakes Metro.	Ka	6812	260.0 0.0 312.3 311.6 316.2 316.9 316.7 321.6 326.8 340.3 340.9 347.6	10/01/74 / / 04/21/88 04/20/89 04/21/90 04/09/91 04/11/92 04/14/93 04/14/94 04/07/95 04/12/96 04/17/97	-30.9	-6.7

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997	
13684-F	T12S R66W 18	SWSE USAF Acadmy	#9-A	Ka	6590	0.0 285.0 250.0 0.0 285.0 235.0 320.0 0.0 280.0 290.0 260.0 0.0	/ / 02/02/87 03/29/88 / / 04/10/90 03/12/91 04/22/92 / / 03/20/94 03/01/95 04/01/96 / /			Not measured
13687-F	T12S R66W 30	SWSNW USAF Acadmy	#1-A	Ka	6430	0.0 0.0 249.0 0.0 300.0 270.0 240.0 280.0 275.0 0.0 195.0 0.0	/ / / / 03/29/88 / / 04/10/90 03/12/91 04/22/92 04/20/93 12/15/93 / / 04/01/96 / /			Not measured
22967-	T12S R66W 32	NENENE Mtn.View Elmntry Sc	Ka	6618	35.8 35.6 36.7 42.5 35.6 34.9 0.0 36.8 40.6 31.0 37.2 36.5	07/01/78 06/24/85 04/19/88 04/26/89 04/21/90 04/09/91 / / 04/17/93 04/14/94 04/25/95 04/12/96 04/17/97	-36.5	0.7		
81811-	T13S R62W 08	NWNENE Wall,James		Ka	6362	100.0 165.2 263.8 263.7 258.0 296.9 301.9 0.0 0.0 0.0 0.0 0.0	11/21/75 09/01/78 04/06/89 03/29/89 04/27/90 04/15/91 04/10/92 / / / / / / / / / /			

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL	OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
31384-M	T13S R62W 30	SWSWNE	USGS Obs. Well	Ka	6156	0.0 84.1 0.0 0.0 91.0 94.4 0.0 96.1 0.0 0.0 0.0 100.5	/ / 05/28/87 / / / / 03/15/90 03/28/91 / / 04/07/93 / / / / / / 01/08/97			
27745-F	T13S R63W 17	NENWNW	Mid CO Invest.	Ka	6465	0.0 362.0 457.9 449.9 520.9 493.9 494.9 476.4 467.1 467.1 467.9 453.4	/ / 05/11/85 04/28/88 03/29/89 05/03/90 04/15/91 04/26/92 04/18/93 01/14/94 04/25/95 04/06/96 04/17/97	41.5	14.5	
17024-F	T13S R66W 03	SENE	Woodmen W. & S. #7	Ka	6892	558.0 528.0 563.0 563.0 355.0 360.0 375.0 523.0 528.0 593.0 553.0 325.0	05/30/86 04/30/87 04/29/87 04/27/89 04/27/90 03/31/91 04/27/92 03/31/93 03/01/94 03/01/95 05/01/96 04/29/97	50.0	228.0	
23905-F	T13S R66W 03	SENW	Woodmen W. & S. #8	Ka	6764	496.0 461.0 506.0 506.0 400.0 410.0 420.0 451.0 451.0 476.0 471.0 390.0	05/30/86 04/30/87 04/29/87 04/27/89 04/27/90 03/31/91 04/27/92 03/31/93 03/01/94 03/01/95 05/01/96 04/29/97	30.0	81.0	

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

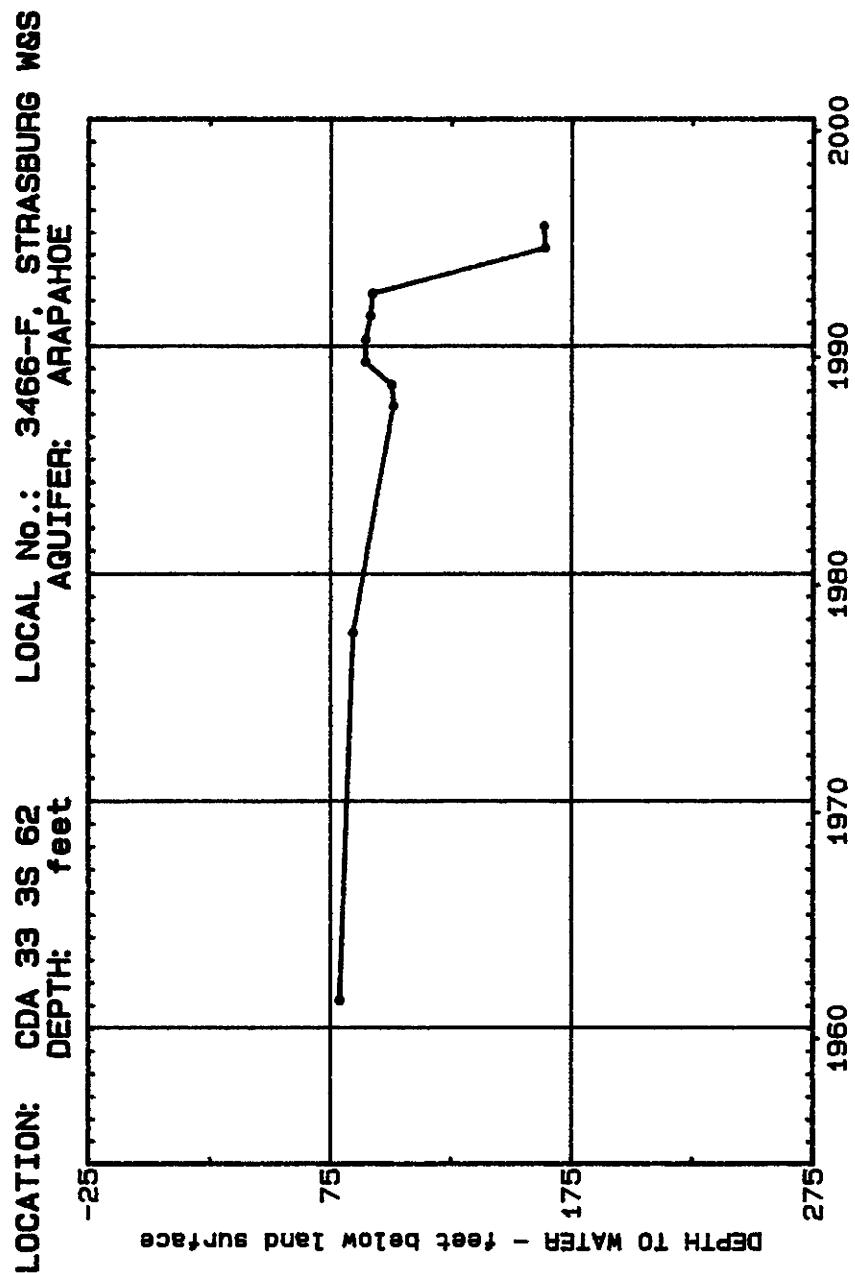
PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER	NAME OF WELL	OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
-	T13S R66W 03	SESW	Woodmen W. & S. #5	Ka	6753	497.0 432.0 422.0 512.0 0.0 310.0 320.0 441.0 441.0 457.0 451.0 290.0	05/30/86 04/30/87 04/27/88 04/30/89 / / 03/31/91 04/27/92 03/31/93 03/01/94 03/01/95 05/01/96 04/29/97		30.0	161.0	
-	T13S R66W 03	SESE	Woodmen W. & S. #6	Ka	6750	510.0 465.0 455.0 500.0 0.0 335.0 340.0 441.0 451.0 456.0 461.0 315.0	05/30/86 04/30/87 04/27/88 04/30/89 / / 03/31/91 04/27/92 03/31/93 03/01/94 03/01/95 05/01/96 04/29/97		25.0	146.0	
4133-F	T13S R66W 04	SWSE	Woodmen W. & S. #1	Ka	6578	239.0 204.0 209.0 229.0 216.0 224.0 228.0 206.0 202.0 209.0 227.0 200.0	05/30/86 04/30/87 04/29/88 04/28/89 04/27/90 03/31/91 04/27/92 03/31/93 03/01/94 03/01/95 05/01/96 04/29/97		28.0	27.0	
11504-RF	T13S R66W 04	SESE	Woodmen W. & S. #4	Ka	6690	459.0 319.0 314.0 309.0 425.0 430.0 420.0 326.0 337.0 376.0 396.0 365.0	05/30/86 04/30/87 04/29/88 04/27/89 04/27/90 03/31/91 04/27/92 03/31/93 03/01/94 03/01/95 05/01/96 04/29/97		55.0	31.0	

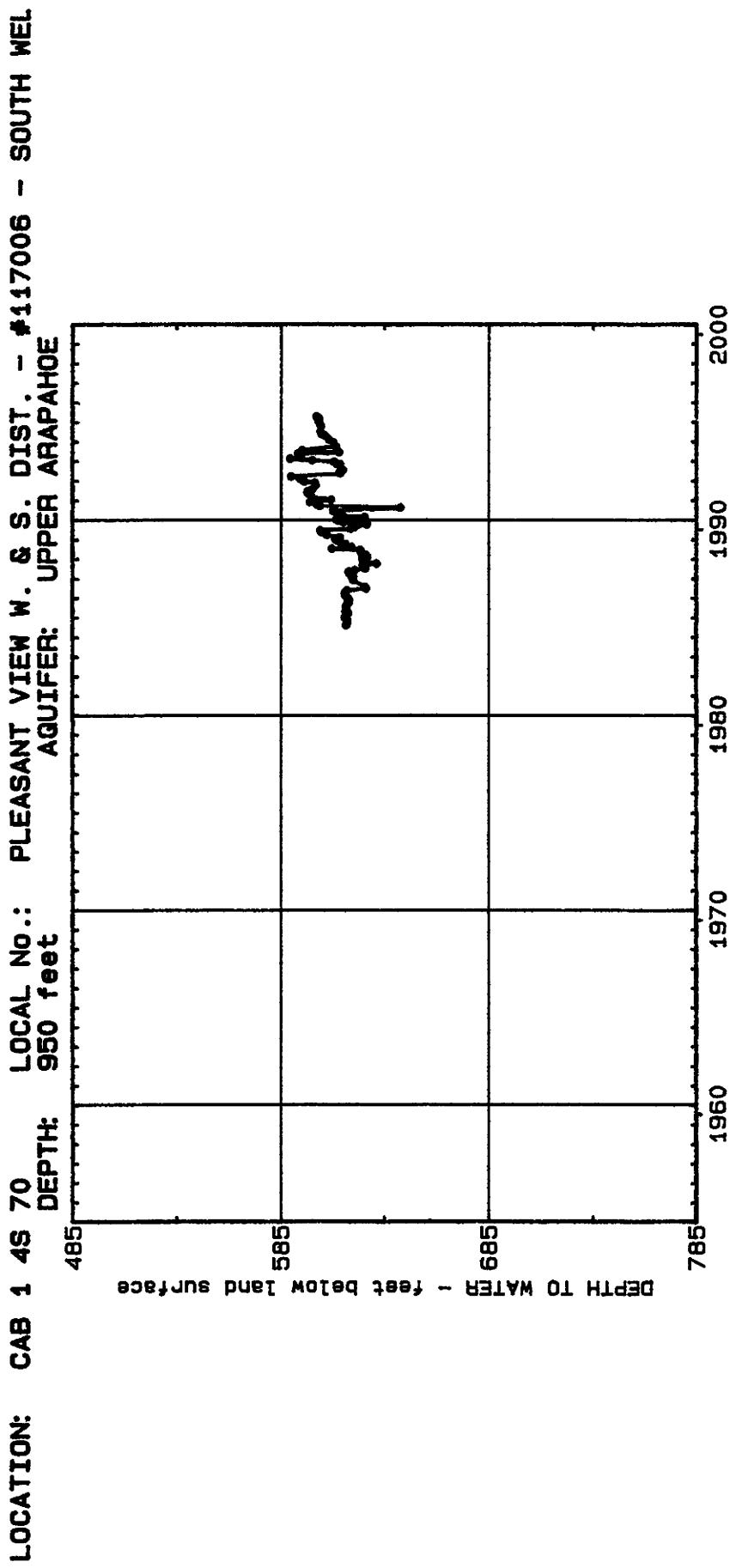
WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

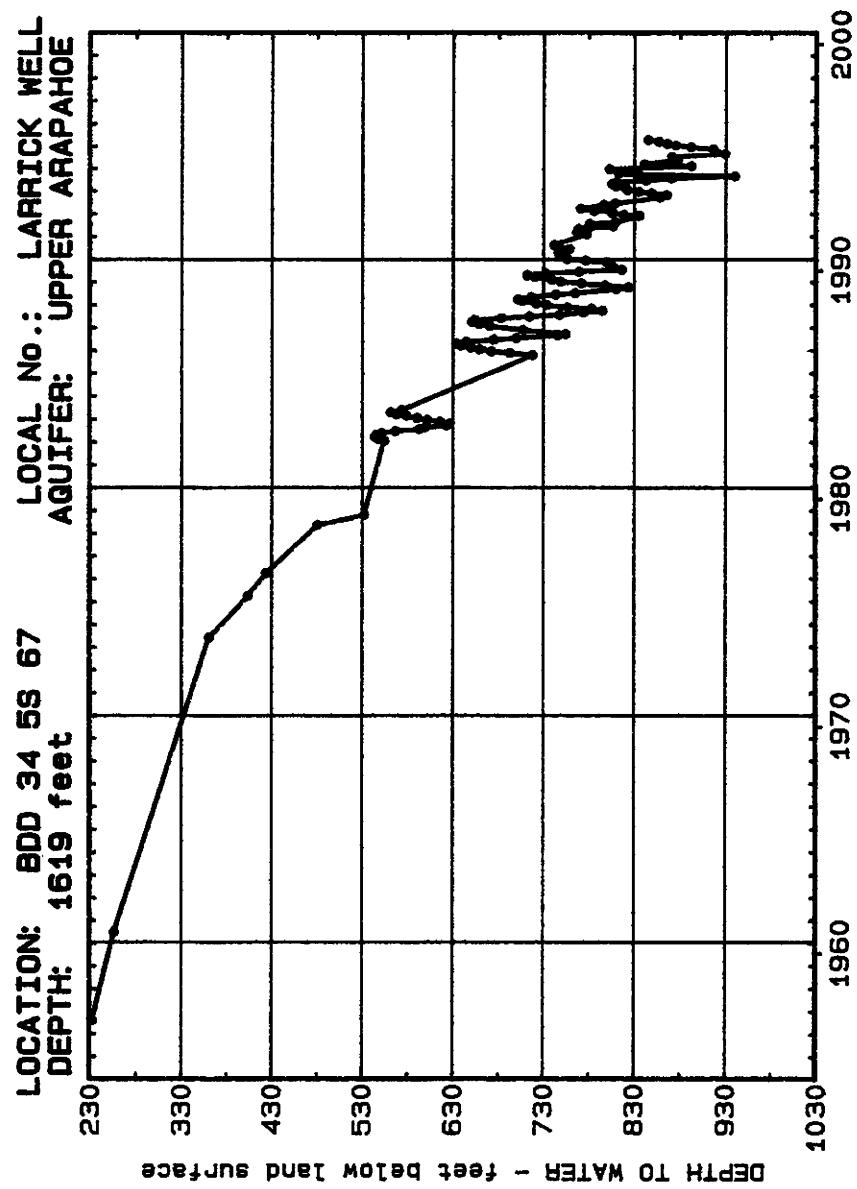
PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
-	T13S R66W 04	NWSE Woodmen W. & S. #3	Ka	6571	255.0 220.0 225.0 245.0 0.0 210.0 215.0 220.0 220.0 230.0 219.0 215.0	05/30/86 04/30/87 04/27/88 04/30/89 / / 03/31/91 04/27/92 03/31/93 03/01/94 03/01/95 05/01/96 04/29/97	0.0	4.0	
-	T13S R66W 09	NWNW Woodmen W. & S. #2	Ka	6535	219.0 194.0 199.0 199.0 0.0 215.0 215.0 189.0 194.0 178.0 189.0 205.0	05/30/86 04/30/87 04/27/88 04/30/89 / / 03/31/91 04/27/92 03/31/93 03/01/94 03/01/95 05/01/96 04/29/97	10.0	-16.0	
31380-M	T14S R62W 05	NENESW USGS Obs. Well	Ka	6035	0.0 0.0 71.4 0.0 73.0 94.6 0.0 96.1 0.0 0.0 0.0 75.9	/ / / / 03/21/88 / / 02/27/90 03/28/91 / / 04/07/93 / / / / / / 03/28/97			
31381-M	T14S R62W 16	NWSESW USGS Obs. Well	Ka	5940	0.0 36.8 0.0 0.0 38.8 39.5 0.0 39.8 0.0 0.0 0.0 36.2	/ / 05/28/87 / / / / 03/14/90 03/01/91 / / 04/07/93 / / / / / / 03/28/97			

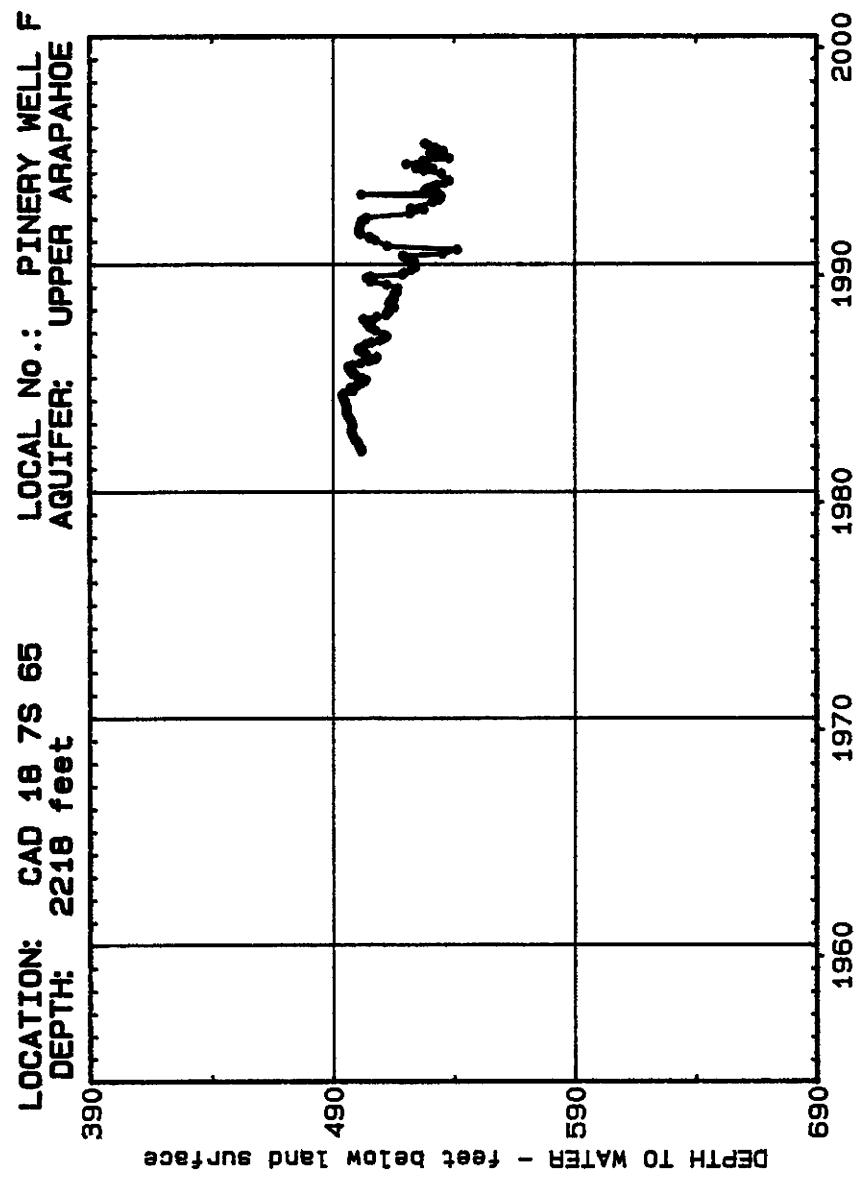
WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

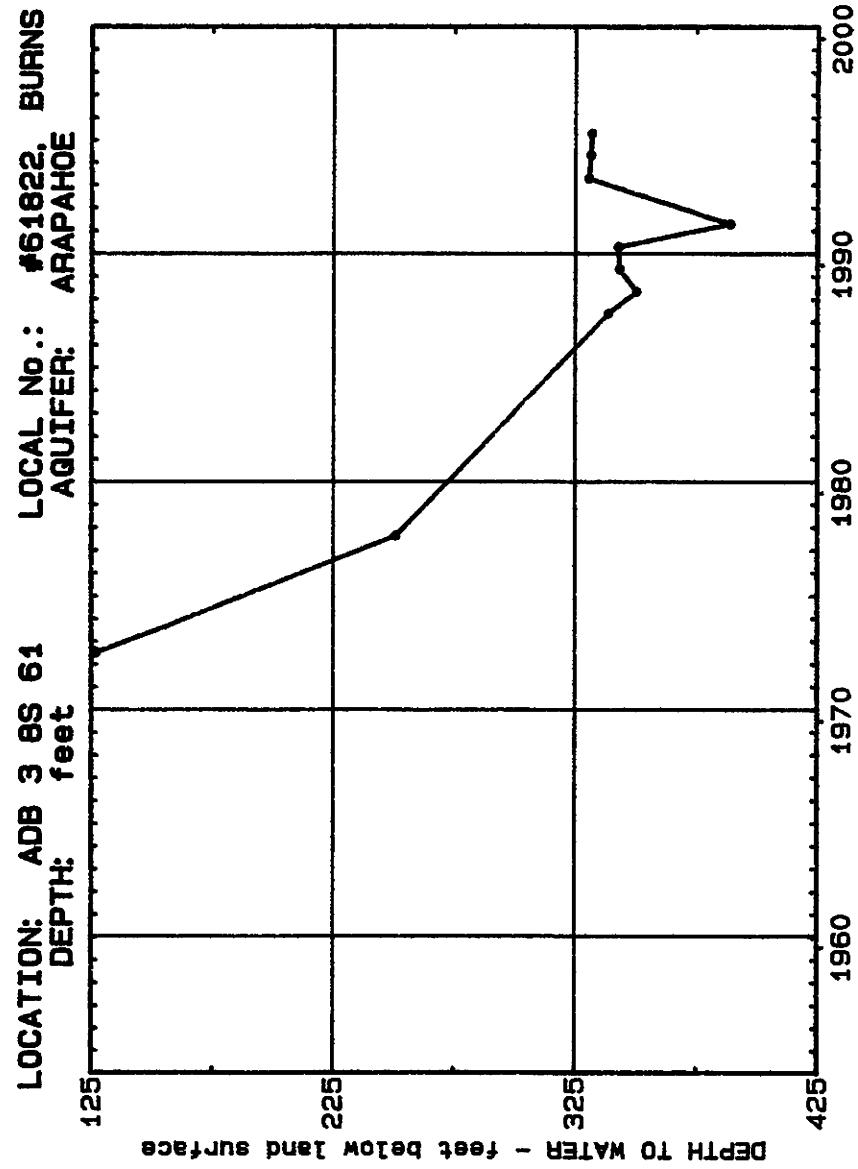
PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
-	T14S R64W 28	SWNENE Aries Land Co., T.H.2 Ka	6325	120.0 117.9 117.9 113.9 119.8 116.4 0.0 113.9 117.3 114.9 116.0 0.0	06/18/86 03/23/87 03/08/88 03/29/89 02/16/90 06/21/91 / / 04/06/93 03/18/94 07/11/95 03/21/96 / /			

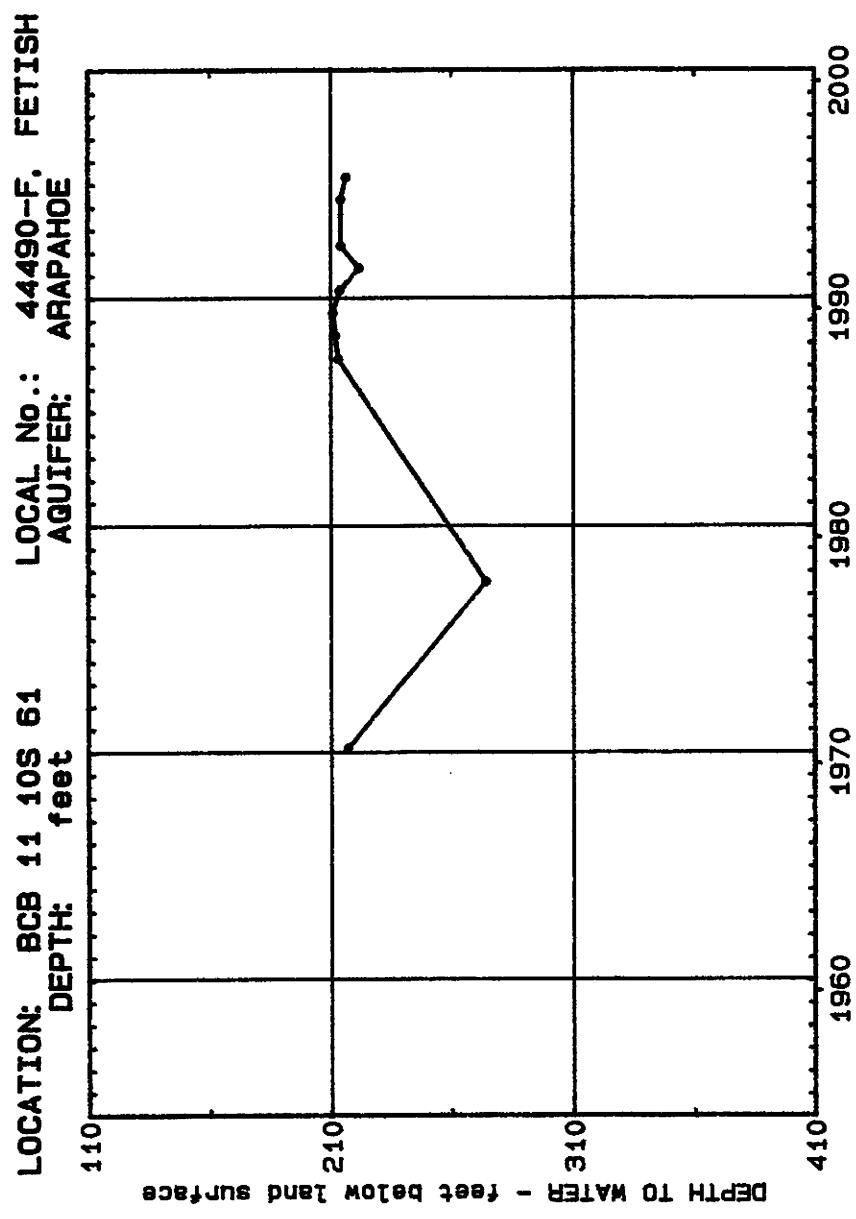












**LARAMIE-FOX HILLS AQUIFER**

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
9559-	T01N R65W 29	SENENE Wall, H.	Klf	5201	248.0 337.6 369.9 379.3 387.0 394.4 402.8 404.7 411.9 421.1 429.0 429.2	10/20/69 09/20/83 04/12/88 04/06/89 04/03/90 04/04/91 04/17/92 04/27/93 04/12/94 04/12/95 04/04/96 04/13/97	-26.4	-0.2	
33417-	T01N R66W 17	SWSWSE Routson, J.	Klf	4951	118.5 291.0 321.7 334.9 343.3 351.0 355.5 378.7 377.1 388.0 399.5 415.8	04/13/71 04/12/84 04/12/88 04/06/89 04/03/90 04/04/91 04/17/92 04/23/93 04/12/94 04/12/95 04/04/96 04/13/97	-60.3	-16.3	
62517-	T02N R62W 08	SWSWNE Shelton, E.	Klf	4715	16.0 0.0 0.0 27.1 47.0 43.3 54.7 54.0 54.5 58.0 66.9 157.2	08/26/72 / / / / 04/06/89 04/03/90 04/04/91 04/17/92 04/23/93 04/12/94 04/12/95 04/04/96 04/13/97	-102.5	-90.3	
85449-	T02N R62W 19	SWSWNW 5-M Ranch	Klf	4755	64.0 78.6 94.6 95.5 97.2 99.5 94.0 89.1 90.4 91.3 94.8 100.8	10/06/66 06/15/78 04/21/88 04/06/89 04/03/90 04/04/91 04/17/92 04/23/93 04/12/94 04/12/95 04/04/96 04/13/97	-6.8	-6.0	

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
17940-	T02N R63W 32	NENENE Land, L.	Klf	4940	0.0 86.7 120.6 124.4 126.2 128.6 129.4 129.4 133.6 138.7 139.6 142.9	/ / 06/30/75 04/21/88 04/06/89 04/03/90 04/04/91 04/17/92 04/23/93 04/12/94 04/12/95 04/04/96 04/16/97	-13.5	-3.3	
44393-	T03N R65W 12	NWSWSW Farmers Res.	Klf	4842	0.0 110.0 135.2 133.5 136.8 139.1 139.2 140.8 143.9 148.4 146.5 147.1	/ / 02/22/71 04/13/88 04/06/89 04/03/90 04/04/91 04/17/92 04/23/93 04/12/94 04/12/95 04/04/96 04/13/97	-7.9	-0.6	
-	T03N R65W 12	SESWSW Shippy, T.	Klf	4840	0.0 0.0 128.9 136.2 138.6 141.3 137.1 137.6 142.7 143.2 143.1 144.3	/ / / / 04/13/88 04/06/89 04/03/90 04/04/91 04/17/92 04/23/93 04/12/94 04/12/95 04/04/96 04/16/97	-7.2	-1.2	
8947-F	T01S R69W 35	NENWNW Brmfld Hts.	Klf	5400	273.0 0.0 550.0 556.0 557.0 556.0 558.0 559.0 557.0 561.0 557.0 556.0	06/30/58 / / 04/07/88 04/19/89 04/13/90 04/19/91 04/15/92 04/22/93 04/20/94 04/18/95 04/11/96 04/09/97	2.0	1.0	

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
1979-	T02S R60W 20	SWNW NW Tupps, C.	Klf	4908	0.0 5.8 11.7 14.6 13.7 13.8 15.2 15.2 15.7 16.0 10.9 15.8	09/25/56 06/02/78 04/21/88 04/07/89 04/06/90 04/05/91 04/23/92 04/15/93 04/15/94 04/14/95 04/09/96 04/04/97	-0.6	-4.9	
2054-	T02S R61W 13	SESESE Adams Co Hwy	Klf	4941	0.0 0.0 3.9 5.2 6.2 7.8 10.9 8.9 9.4 10.3 11.5 11.9	09/22/58 05/31/78 04/21/88 04/07/89 04/06/90 04/05/91 04/23/92 04/15/93 04/15/94 04/14/95 04/09/96 04/04/97	-1.0	-0.4	
32186-F	T02S R68W 09	SWSWNW Northglenn Klf 5	Klf	5405	0.0 0.0 556.8 552.2 561.4 570.6 575.3 579.9 582.9 584.5 579.9 570.4	/ / / / 04/05/88 04/19/89 04/13/90 04/19/91 04/15/92 04/22/93 04/21/94 04/18/95 04/11/96 04/09/97	4.9	9.5	
26945-F	T02S R68W 10	NESESE Northglenn Klf 7	Klf	5495	0.0 376.0 447.0 414.6 426.2 430.8 460.8 447.0 453.9 474.7 456.2 463.2	/ / 02/23/84 04/05/88 04/19/89 04/13/90 04/19/91 04/15/92 04/22/93 04/21/94 04/18/95 04/11/96 04/09/97	-2.4	-7.0	

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997	
24692-F	T02S R68W 17	NESE Federal Heights LF-5 Klf		0.0	498.0 0.0 0.0 0.0 728.0 703.0 714.0 747.0 0.0 761.0 728.0 652.0	04/21/80 / / / / / / 07/01/90 04/01/91 04/01/92 04/01/93 04/01/94 04/01/95 04/01/96 04/30/97	62.0	76.0		
24693-F	T02S R68W 21	NESW Federal Hieghts LF-7 Klf		5385	382.0 0.0 0.0 0.0 689.0 713.0 697.0 681.0 630.0 640.0 623.0 586.0	09/02/80 / / / / / / 07/01/90 04/01/90 04/01/92 04/01/93 04/01/94 04/01/95 04/01/96 04/30/97	111.0	37.0		
41313-	T02S R70W 25	NESESE Cambell, T.		Klf	5650	0.0 400.0 406.1 432.4 418.5 433.0 426.8 430.6 446.9 460.4 445.5 452.0	/ / 08/24/83 04/07/88 04/19/89 04/10/90 04/19/91 04/15/92 04/22/93 04/20/94 04/22/95 04/11/96 04/09/97	-25.2	-6.5	
5500-F	T03S R63W 27	SENW Bennet, Town of,Klf	Klf	5485	0.0 0.0 185.8 190.5 177.0 212.0 230.7 222.3 346.2 229.2 256.9 236.1	/ / / / / / 04/07/89 04/12/90 04/05/91 04/24/92 04/15/93 04/15/94 04/13/95 04/10/96 04/04/97	-5.4	20.8		

**WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997**

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997	
26614-F	T03S R63W 27	Bennet, Town of	Klf	5485	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 377.6 227.4 232.0 257.4	/ / / / / / / / / / / / / / / / 04/15/94 04/13/95 04/10/96 04/04/97		-25.4		
16050-F	T03S R66W 09	NWNWSW	Eastwood Ests.	Klf	5305	0.0 146.0 231.6 235.6 224.6 227.1 229.2 232.0 236.4 240.5 244.1 247.5	/ / 11/08/73 04/08/88 04/05/89 04/06/90 04/04/91 04/14/92 04/08/93 04/12/94 04/12/95 04/05/96 04/06/97	-18.3	-3.4	
16051-F	T03S R66W 09	SESESW	Eastwood Ests.	Klf	5322	146.0 198.1 232.5 249.1 240.1 239.8 242.0 244.9 248.6 255.6 256.2 259.7	12/31/73 06/20/78 04/08/88 04/05/89 04/06/90 04/04/91 04/14/92 04/08/93 04/12/94 04/12/95 04/05/96 04/06/97	-17.7	-3.5	
-	T03S R67W 05	SWNWNE	So Adams Co. W&S	Klf	5167	93.0 98.5 154.5 142.4 142.3 157.8 150.0 290.7 218.3 201.4 195.5 188.5	01/01/82 01/01/83 04/05/88 04/19/89 04/24/90 04/22/91 04/21/92 04/23/93 04/21/94 04/18/95 04/11/96 04/08/97	-38.5	7.0	

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
3631-F	T04S R61W 16	SWSWNE Byers, Town of	#2	Klf	5231	0.0 110.0 179.8 208.8 180.8 189.2 192.1 194.7 187.4 196.6 205.7 201.4	/ / 07/17/62 04/20/88 04/18/89 04/06/90 04/15/91 04/26/92 04/15/93 04/15/94 04/13/95 04/09/96 04/04/97	-9.3	4.3
12796-R	T04S R61W 16	SWSENW Byers, Town of	#1	Klf	5228	0.0 80.0 176.4 207.0 0.0 0.0 0.0 0.0 194.2 189.6 205.8 203.5	/ / 04/01/60 04/20/88 04/18/89 / / / / / / / / 04/15/94 04/13/95 04/09/96 04/04/97		2.3
15955-RF	T04S R65W 04	SWNW NW Fox Ridge West,		Klf	5600	708.0 815.9 799.4 755.6 718.1 762.5 670.0 429.0 429.0 0.0 780.0 733.8	05/03/86 04/27/87 04/27/88 04/20/89 04/12/90 04/05/91 04/11/92 04/09/93 04/01/94 / / 04/03/96 04/08/97	-63.8	46.2
16115-F	T04S R66W 03	SESWSE CO Air Natl Grd #1		Klf	5460	0.0 300.0 311.9 430.2 417.9 414.6 414.0 433.3 437.6 461.1 454.9 473.7	/ / 01/01/61 04/06/88 04/25/89 04/25/90 04/22/91 04/23/92 04/15/93 04/19/94 04/13/95 04/10/96 04/08/97	-59.7	-18.8

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
16117-F	T04S R66W 10	SWNESW CO Air Natl Grd #3	Klf	5563	0.0 0.0 482.5 651.1 505.8 507.9 475.6 598.0 457.1 616.5 468.5 598.0	/ / / / 04/06/88 04/20/89 04/25/90 04/22/91 04/23/92 04/15/93 04/19/94 04/13/95 04/10/96 04/08/97	-122.4	-129.5	
16118-F	T04S R66W 14	SWSNW CO Air Natl Grd #5	Klf	5592	0.0 315.0 508.6 524.7 527.0 531.7 540.9 554.8 564.0 587.1 591.7 614.8	/ / 01/01/61 04/06/88 04/20/89 04/25/90 04/22/91 04/23/92 04/15/93 04/19/94 04/13/95 04/10/96 04/08/97	-73.9	-23.1	
32363-F	T04S R67W 18	NESWNW Glendale,City of	Klf	5340	0.0 0.0 0.0 266.0 266.0 291.0 346.0 316.6 0.0 0.0 342.0 335.0	/ / / / / / 05/23/89 04/30/90 03/05/91 05/19/92 04/16/93 / / / / 04/24/96 04/01/97	11.0	7.0	
27140-F	T04S R69W 14	NWNWSW Lakewood,City of	Klf	5525	0.0 302.6 355.5 472.1 554.4 538.3 505.9 683.8 697.7 709.2 0.0 0.0	/ / 09/27/86 04/07/88 05/04/89 04/27/90 04/19/91 04/15/92 04/22/93 04/19/94 04/25/95 04/12/96 / /			AIR LINE BROK

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997	
117007-	T04S R70W 01	NWSE Pleasant View W.& S. Klf	5790	629.0 0.0 0.0 383.5 380.8 382.5 382.8 381.6 382.6 381.9 381.0 385.8	11/11/80 / / / / 05/01/89 03/21/90 04/17/91 04/27/92 05/17/93 04/19/94 07/07/95 04/10/96 05/21/97	-3.0	-4.8		
2957-F	T05S R60W 13	NWNWSE Deertrail,Town of	Klf	5175	0.0 10.0 20.1 35.6 26.0 21.0 24.8 26.9 27.0 26.5 18.5 22.0	/ / 03/14/61 04/20/88 04/18/89 04/12/90 04/05/91 04/23/92 04/16/93 04/22/94 04/22/95 04/09/96 04/15/97	2.8	-3.5	
11261-F	T05S R60W 13	SWNESE Deertrail Town of	Klf	5175	0.0 12.0 23.4 45.9 34.9 33.3 23.0 77.8 27.7 27.6 30.7 46.1	/ / 01/01/66 04/20/88 04/20/89 04/12/90 04/05/91 04/23/92 04/16/93 04/22/94 04/22/95 04/09/96 04/15/97	-23.1	-15.4	
81506-	T05S R61W 23	NWNWNE CO Interstate Gas	Klf	5450	227.3 235.8 243.4 245.2 247.1 249.0 249.2 249.4 0.0 251.0 253.1 254.2	07/12/78 09/08/83 04/20/88 04/28/89 04/12/90 04/05/91 04/23/92 04/16/93 / / 04/14/95 04/09/96 04/15/97	-5.0	-1.1	

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
27523-F	T05S R66W 03	SENE E.Chry Ck Valley,Klf Klf		5710	0.0 0.0 440.0 599.0 599.0 809.0 700.0 707.0 753.0 804.0 808.0 0.0	/ / / / 01/29/88 04/01/89 04/01/90 05/09/91 06/10/92 03/10/93 07/18/94 05/03/95 05/10/96 / /			
17412-F	T05S R67W 29	NENENE Willows W.D. FH-3	Klf	5640	410.0 422.0 438.0 595.0 451.0 491.0 0.0 0.0 0.0 0.0 0.0 0.0	05/30/86 05/30/87 02/29/88 04/03/89 06/05/90 04/30/91 / / 04/30/93 / / 01/02/95 08/14/96 / /			not available
17415-F	T05S R67W 29	NENESW Willows W.D. FH-4	Klf	5600	641.0 408.0 358.0 362.0 412.0 467.0 492.0 506.0 531.0 545.0 573.0 638.0	05/30/88 05/30/87 03/30/88 04/03/89 06/05/90 04/30/91 07/01/92 04/30/93 06/30/94 01/02/95 08/14/96 07/01/97	-146.0	-65.0	
11556-R	T05S R68W 28	SWNENE Denver Wtr Bd.	Klf	5490	20.0 135.5 143.8 283.6 299.4 314.2 334.1 344.6 361.1 388.1 394.1 415.0	05/01/52 04/15/71 04/06/76 05/02/89 04/27/90 04/23/91 04/15/92 04/21/93 04/13/94 04/22/95 04/07/96 04/09/97	-80.9	-20.9	

WATER LEVELS IN THE BEDROCK AQUIFERS  
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1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE	CHANGE	REMARKS 1997
							1992/97	1996/97	
24914-F	T06S R66W 17	NWNWSE Stonegate Klf	Klf	5850	544.0 544.0 546.0 595.0 580.0 581.0 795.0 0.0 0.0 0.0 0.0 0.0 771.0	09/03/87 10/09/87 04/14/88 06/01/89 05/07/90 05/14/91 / / / / / / / / / / 06/01/97		24.0	
24207-F	T06S R67W 16	SWSE Meridian W&S LFH-1	Klf	5889	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 964.5 0.0 950.0	/ / / / / / / / / / / / / / / / / / 05/01/95 / / 05/01/97			
28789-	T07S R60W 14	SENENE Shy, Margaret	Klf	5623	148.0 201.1 0.0 209.4 206.2 205.4 205.5 205.3 215.1 206.9 208.1 218.8	09/06/66 07/31/78 / / 04/24/89 04/18/90 04/06/91 04/09/92 04/16/93 04/22/94 04/23/95 04/09/96 04/15/97	-13.3	-10.7	
23968-F	T07S R68W 14	SWSNE Intermtn. REA	Klf	5875	377.0 475.0 483.6 493.7 519.4 520.6 546.1 645.4 680.0 603.8 583.0 624.6	08/11/79 10/31/83 04/11/88 04/13/89 04/21/90 04/22/91 04/22/92 04/14/93 04/20/94 04/25/95 04/12/96 04/22/97	-78.5	-41.6	PUMPED RECENT

WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

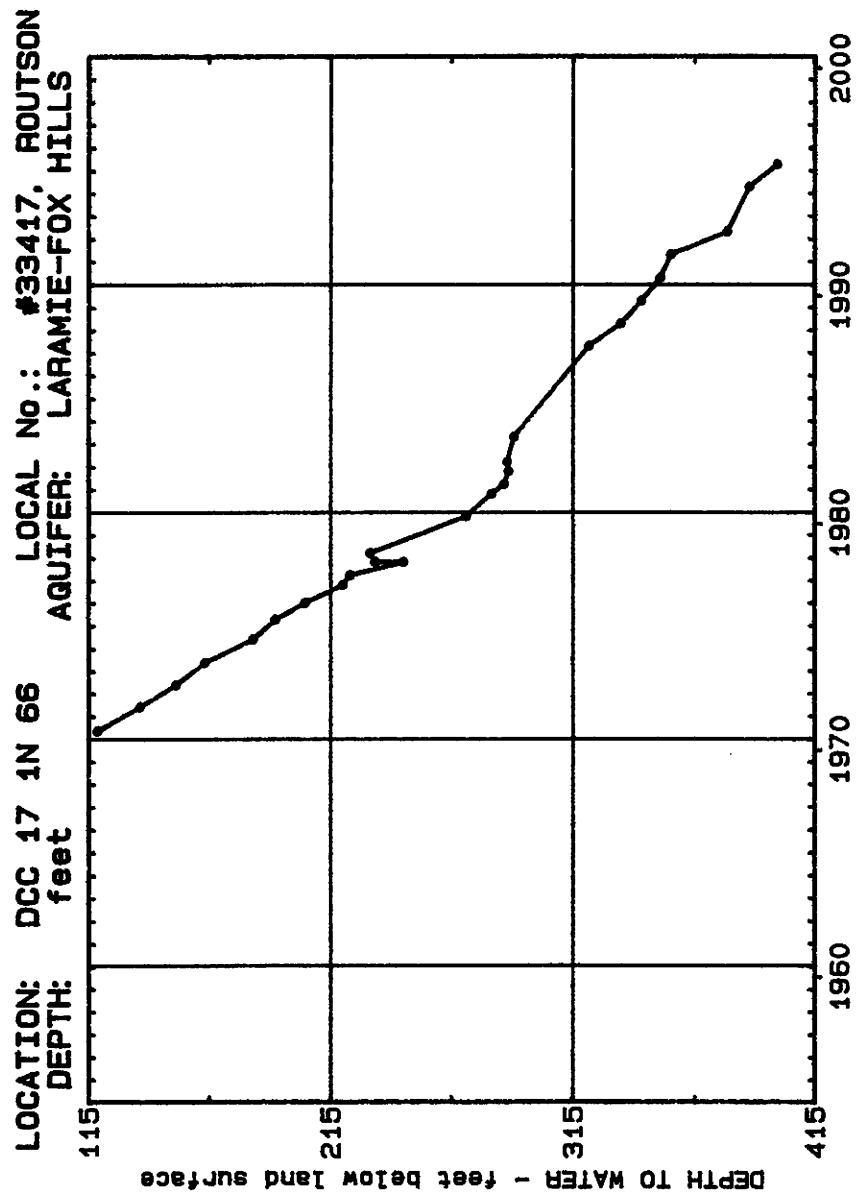
PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE	CHANGE	REMARKS 1997
							1992/97	1996/97	
24943-	T08S R61W 36	SESWSE Denver Buffalo Co.	Klf	6070	488.0 485.6 388.5 385.4 386.8 387.2 390.8 389.0 391.3 400.9 407.2 416.0	08/07/78 08/31/83 05/04/88 04/24/89 04/18/90 04/06/91 04/09/92 04/09/93 04/07/94 04/26/95 04/09/96 04/16/97	-25.2	-8.8	
25604-F	T08S R66W 09	NENESW Park funding Corp.	Klf	6659	0.0 1072.0 1001.6 997.0 1022.4 1015.5 1040.9 1043.2 1050.1 1038.6 1042.4 1061.7	/ / 09/23/83 04/14/88 04/21/89 04/24/90 04/07/91 04/08/92 04/20/93 04/09/94 04/08/95 04/07/96 04/18/97	-20.8	-19.3	
43448-	T11S R59W 11	NWSWNW Moore, C.D.	Klf	6165	264.0 290.9 291.9 293.4 290.4 298.8 290.2 290.3 290.5 290.6 290.9 296.0	12/01/70 08/10/78 09/01/83 04/27/89 04/27/90 04/16/91 04/10/92 04/09/93 04/08/94 04/20/95 04/06/96 04/17/97	-5.8	-5.1	
6376-	T12S R59W 02	SWNWSW Dawirs, Verda	Klf	6105	99.0 153.6 0.0 161.3 151.2 151.8 151.5 151.6 151.4 0.0 151.6 151.3	07/01/60 10/23/80 / / 04/27/89 04/27/90 04/16/91 04/10/92 04/09/93 04/08/94 / / 04/06/96 04/17/97	0.2	0.3	

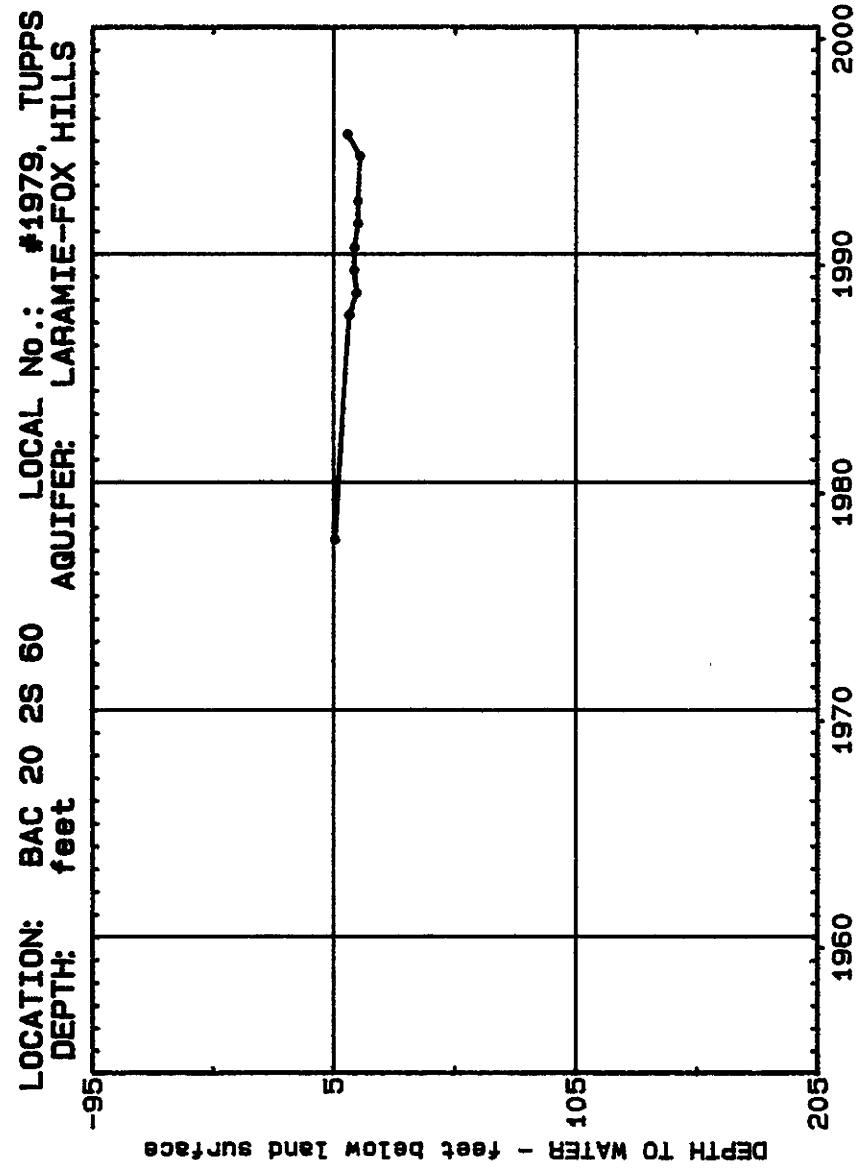
WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE 1992/97	CHANGE 1996/97	REMARKS 1997
27746-F	T13S R63W 17	NENNNW Mid CO Invest.	Klf	6465	0.0 622.0 637.1 637.7 644.6 644.6 650.9 650.9 789.5 655.6 662.5 676.4 792.6	/ / 06/24/85 04/28/88 03/29/89 05/03/90 04/15/91 04/26/92 04/18/93 04/14/94 04/25/95 04/06/96 04/17/97	-141.7	-116.2	
31387-M	T14S R62W 29	NWW NW Obs. Well	Klf	5896	0.0 0.0 0.0 0.0 0.0 0.0 0.0 190.6 0.0 0.0 0.0 0.0 199.1	/ / / / / / / / / / / / / / 04/07/93 / / / / / / 03/28/97			
49192-	T14S R63W 08	NWSWSW McCall, Don	Klf	6225	221.3 176.8 204.4 166.6 172.4 154.7 150.9 151.8 0.0 194.3 243.5 186.0	10/14/71 08/15/78 04/19/88 03/28/89 04/26/90 04/15/91 04/10/92 04/18/93 / / 04/07/95 04/06/96 04/17/97	-35.1	57.5	
-	T14S R64W 03	NWSNE Aries Land Co., T.H.3	Klf	6480	351.0 347.2 345.9 341.8 338.5 342.5 340.1 345.8 343.6 346.0 343.0 0.0	07/22/86 03/23/87 03/08/88 03/29/89 02/16/90 06/21/91 04/02/92 04/06/93 03/18/94 07/11/95 03/21/96 / /			

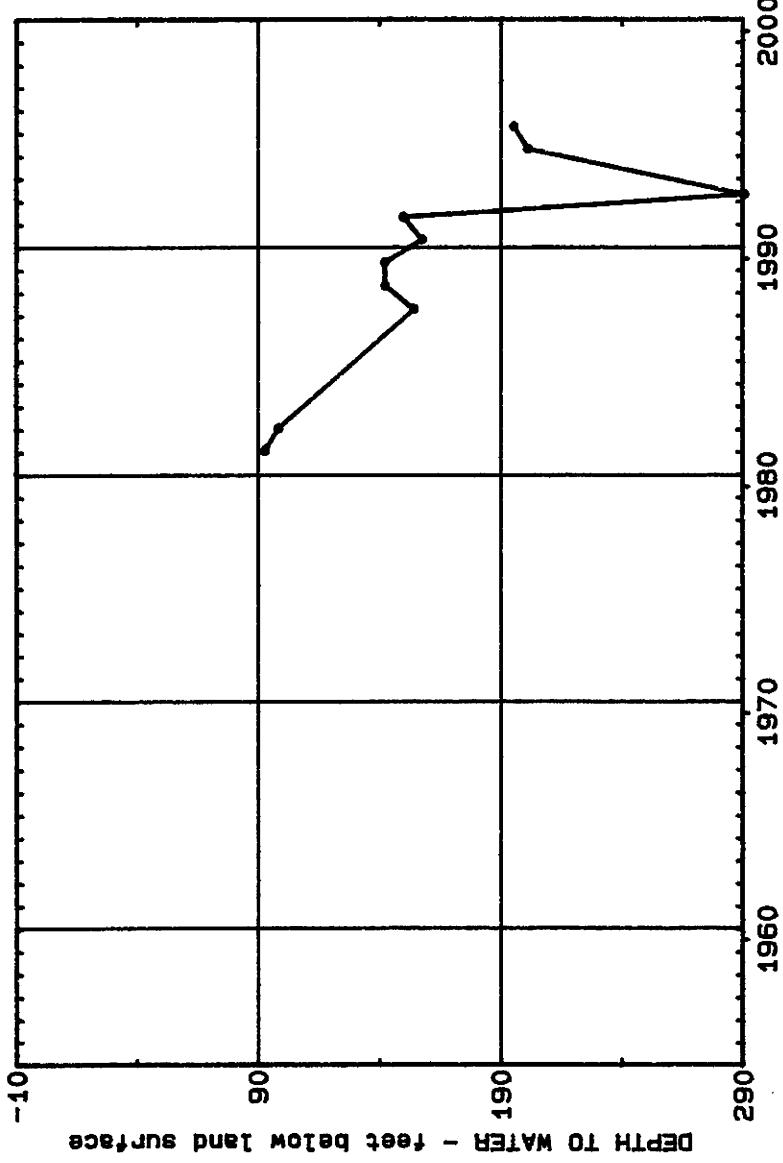
WATER LEVELS IN THE BEDROCK AQUIFERS  
OF THE DENVER BASIN  
1997

PERMIT NO.	TOWNSHIP RANGE SECTION	QUARTER NAME OF WELL OWNER	AQUIF	ELEV. (GS)	WATER LEVEL	DATE	CHANGE	CHANGE	REMARKS 1997	
							1992/97	1996/97		
-	T14S R64W 14	SWNESW	Aries Land Co.(Nova) Klf	6405	540.5 537.5 538.6 540.0 531.8 536.7 528.8 543.4 546.2 550.0 548.9 0.0	04/07/86 03/23/87 03/07/88 03/29/89 02/16/90 06/21/91 04/23/92 04/06/93 03/18/94 07/11/95 03/21/96 / /				
-	T14S R64W 28	SWNENE	Aries Land Co.,T.H.1 Klf	6320	369.2 366.5 366.6 363.0 362.5 362.6 360.8 360.1 362.6 363.3 363.4 0.0	06/18/86 03/23/87 03/08/88 03/29/89 02/16/90 06/21/91 04/23/92 04/06/93 03/18/94 07/11/95 03/21/96 / /				
31388-M	T15S R63W 13	NWWNW	USGS Obs. Well	Klf	5790	0.0 97.8 0.0 0.0 109.0 110.7 0.0 112.2 0.0 0.0 0.0 116.1	/ / 04/16/87 / / / / 02/27/90 03/28/91 / / 04/09/93 / / / / / / 03/28/97			
31379-M	T15S R63W 24	NENWSE	USGS Obs.Well	Klf	5679	0.0 30.0 0.0 0.0 34.8 36.4 0.0 38.2 0.0 0.0 0.0 40.1	/ / 05/28/87 / / / / 05/02/90 03/28/91 / / 04/07/93 / / / / / / 03/28/97			





LOCATION: ABC 5 3S 67      DEPTH: feet      LOCAL No.: SOUTH ADAMS W&S  
AQUIFER: LARAMIE-FOX HILLS



LOCATION: CAB 1 4S 70 LOCAL No.: PLEASANT VIEW W. & S. DIST. - #117007 - NORTH WELL  
DEPTH: 1750 feet AQUIFER: LARAMIE-FOX HILLS

