

ONLY

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**GROUND WATER LEVELS
CAMP CREEK
DESIGNATED GROUND WATER BASIN**

2001



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

Bill Owens
Governor

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State Engineer

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Director

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Project Manager

This report contains the basic ground water level data collected in the Camp Creek Designated Ground Water Basin during the period from April 1993 through February 2001. Pre - 1993 water level information has also been included where available. This pre - 1993 data is generally taken from well completion reports or pump installation reports submitted by drilling or pump installation contractors at the time the well was constructed or a permanent pump installed.

Acquisition and publication of this information is a cooperative effort between the Colorado Ground Water Commission and the Colorado Division of Water Resources. The project is a part of a statewide ground water level monitoring program funded by Senate Bill 200 (1987 legislative session). This legislation directed that a portion of the fees collected for water well permits shall be used for the establishment of a program to monitor water level trends throughout the state.

Water level data and hydrographs from 10 wells located in the Camp Creek Designated Ground Water Basin in Washington County are presented in this report. Mr. Glenn Graham of this office took water level measurements in these wells on February 6, 2001. All of the Camp Creek wells monitored are located in Townships 2 and 3 North, Range 54 West of the 6th P.M. The wells are listed by section, township, and range, beginning with the northern-most wells and proceeding south. The locations of all of the wells measured have been determined by GPS (satellite global positioning system) and this data in UTM Grid coordinates is included. Footage distances from section lines for all well locations is also included. The dashed lines on the hydrographs indicate periods when no annual water level measurements were taken.

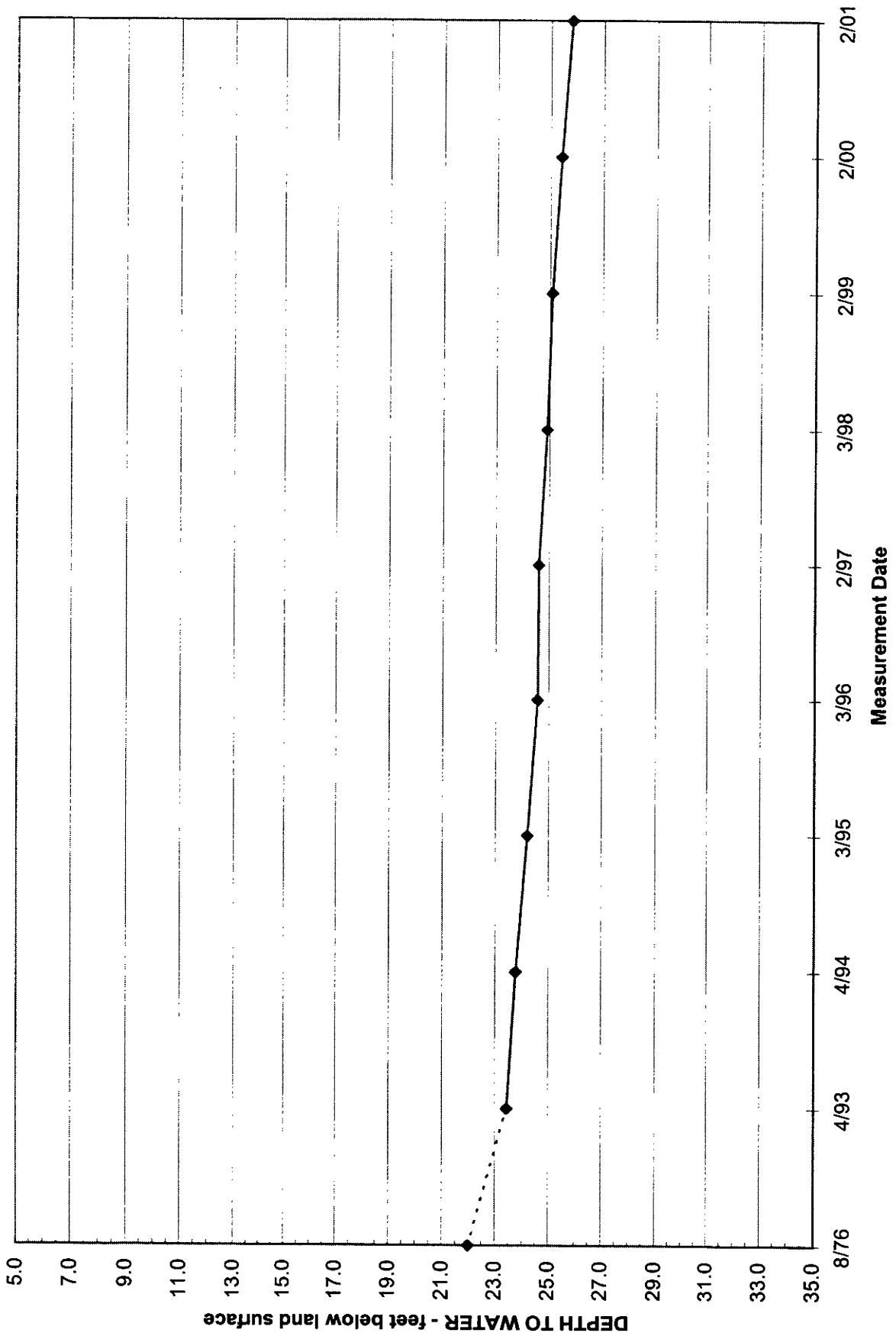
For the 1999 – 2001 period, the 10 wells, including one well with an increase in water level, showed an average decline in water levels of 1.29 feet. The change in water levels ranged from a maximum decline of 3.09 feet in Camp Creek 6 to an increase of 0.43 of a foot in Camp Creek 4. Since routine water level monitoring began in 1993, the 10 wells show an average total decline through February 2001 of 4.98 feet. The basin wide average annual decline for the 7-year period is 0.624 feet. Because of the range of dates of first reported water levels, pre-1993 data have not been included in the averages.

The information in this report was compiled, edited, and prepared for publication by Glenn Graham.

Copies of this report are made available to management district and the well owners or their representatives free of charge. Additional copies may be obtained from the Colorado Division of Water Resources, Public Records Section for \$1.50 each. The Records Section can be contacted at 1313 Sherman Street, Room 818, Denver CO 80203, or by phone at 303/866-3581 or 303/866-3447.

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Hydrograph - Camp Creek No. 10

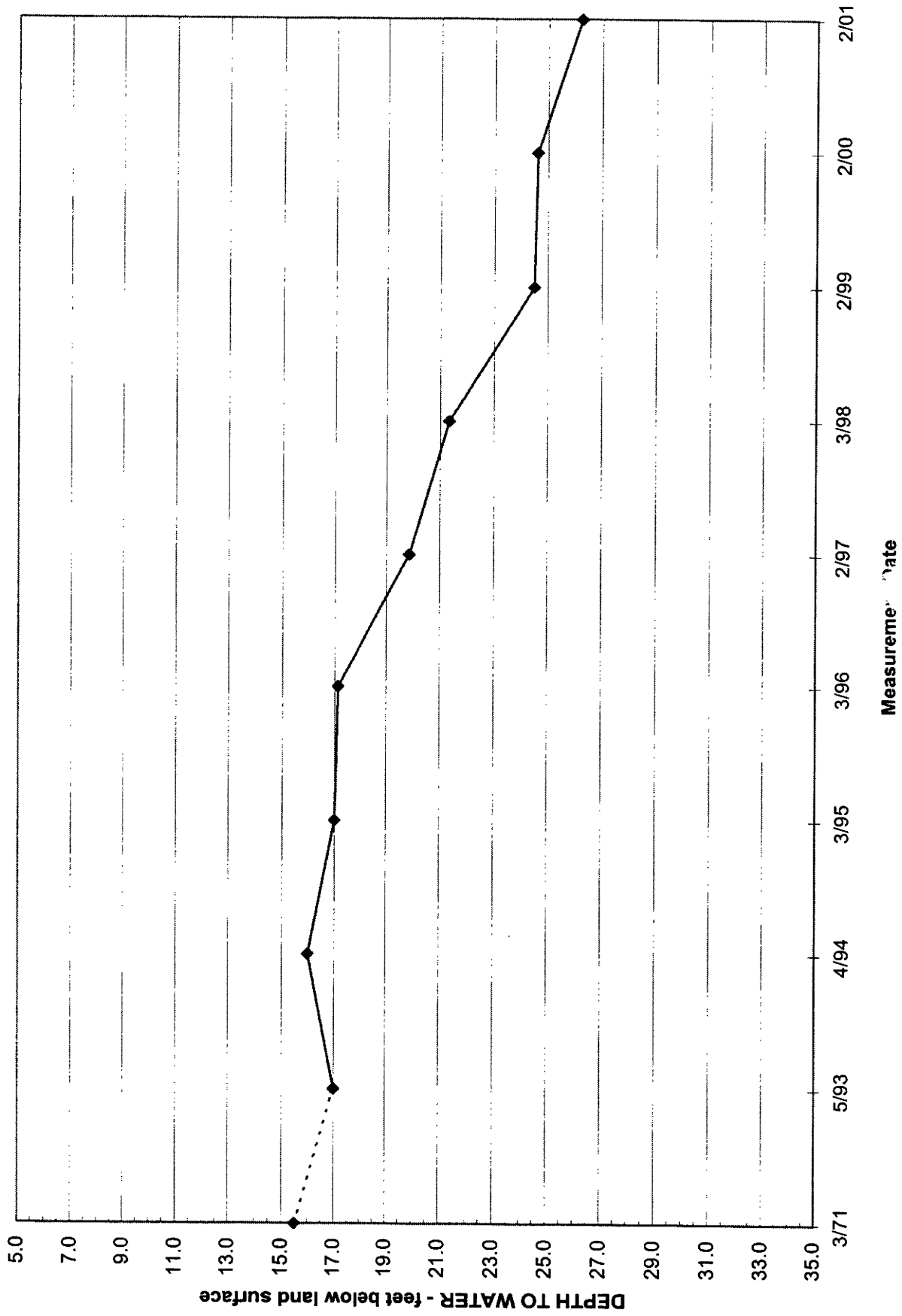


MONITORING WELL DATA SHEET

Well I.D.:	CAMP CREEK - 10	Well Owner:	HARRY BOLINGER
Permit #:	21217-F	UTM Coordinates:	630,015 E
County:	WASHINGTON	Zone 13	4,456,193 N
Location:	NW/NW/NW SEC. 7, T3N, R54W, 6TH P.M., 30' FNL 90' FWL		
Aquifer:	ALLUVIUM		
Well Depth (ft):	126		
Surface Elev. (ft):	4,328		

Date	Hold (ft)	Cut (ft)	Depth to Water (ft)	Meas. Pt. - Ft. Above Land Surf.	Depth to Water - Ft. Below Land Surf.	Elev. of Water Level (ft)	Change From Previous Level (ft)	Change From 1st Level (ft)	Field Data Rcrd By
08/31/76	22.00	0.00	22.00	0.00	22.00	4306			UNKN
04/29/93	24.43	0.00	24.43	1.00	23.43	4305	-1.43	-1.43	LAH
04/04/94	24.00	0.76	24.76	1.00	23.76	4304	-0.33	-1.76	LAH
03/10/95	26.00	-0.80	25.20	1.00	24.20	4304	-0.44	-2.20	LAH
03/18/96	26.00	-0.42	25.58	1.00	24.58	4303	-0.38	-2.58	LAH
02/14/97	26.00	-0.40	25.60	1.00	24.60	4303	-0.02	-2.60	GRG
03/03/98	26.00	-0.09	25.91	1.00	24.91	4303	-0.31	-2.91	GRG
02/08/99	26.00	0.09	26.09	1.00	25.09	4303	-0.18	-3.09	GRG
02/24/00	26.00	0.42	26.42	1.00	25.42	4303	-0.33	-3.42	GRG
02/06/01	26.00	0.81	26.81	1.00	25.81	4302	-0.39	-3.81	GRG

Hydrograph - Camp Creek No. 9

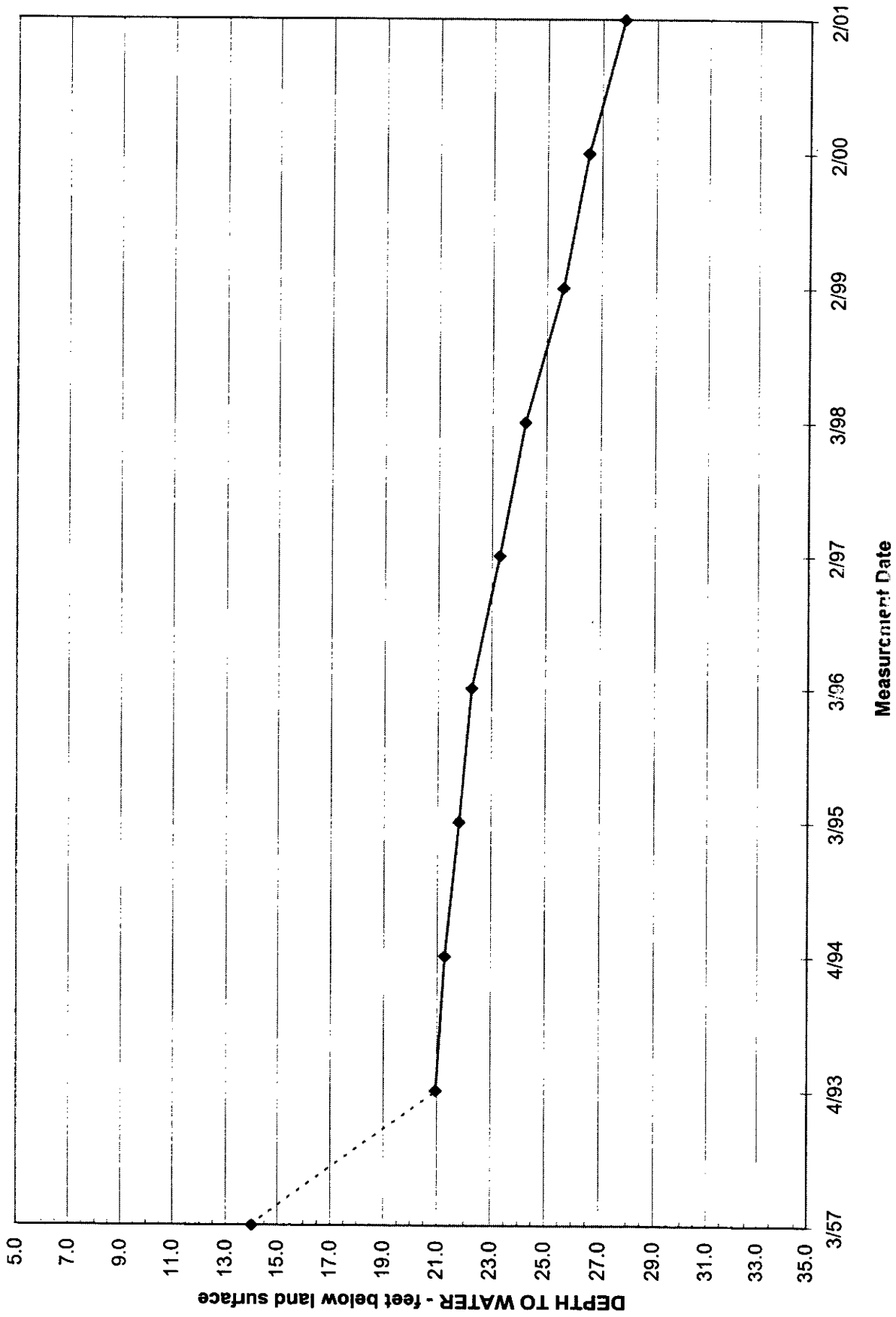


MONITORING WELL DATA SHEET

Well I.D.:	CAMP CREEK - 9	Well Owner:	DIAMOND TAIL RANCH
Permit #:	15356-F	UTM Coordinates:	631,733 E
County:	WASHINGTON	Zone 13	4,453,971 N
Location:	SW/SW/NW SEC. 17, T3N, R54W, 6TH P.M., 2,500' FNL 620' FWL		
Aquifer:	ALLUVIUM		
Well Depth (ft):	99		
Surface Elev. (ft):	4,340		
Surface Elev. (ft):	4,340		

Date	Hold (ft)	Cut (ft)	Depth to Water (ft)	Meas. Pt. - Ft. Above Land Surf.	Depth to Water - Ft. Below Land Surf.	Elev. of Water Level (ft)	Change From Previous Level (ft)	Change From 1st Level (ft)	Field Data Rcrd By
03/08/71	15.50	0.00	15.50	0.00	15.50	4325			UNKN
05/07/93	18.49	0.00	18.49	1.50	16.99	4323	-1.49	-1.49	LAH
04/04/94	17.00	0.49	17.49	1.50	15.99	4324	1.00	-0.49	LAH
03/10/95	20.00	-1.50	18.50	1.50	17.00	4323	-1.01	-1.50	LAH
03/18/96	19.00	-0.37	18.63	1.50	17.13	4323	-0.13	-1.63	LAH
02/14/97	20.00	0.57	20.57	0.70	19.87	4320	-2.74	-4.37	GRG
03/03/98	21.00	0.44	21.44	0.10	21.34	4319	-1.47	-5.84	GRG
02/08/99	24.00	0.60	24.60	0.10	24.50	4316	-3.16	-9.00	GRG
02/24/00	25.00	-0.29	24.71	0.10	24.61	4315	-0.11	-9.11	GRG
02/06/01	26.00	0.74	26.74	0.50	26.24	4314	-1.63	-10.74	GRG

Hydrograph - Camp Creek No. 7

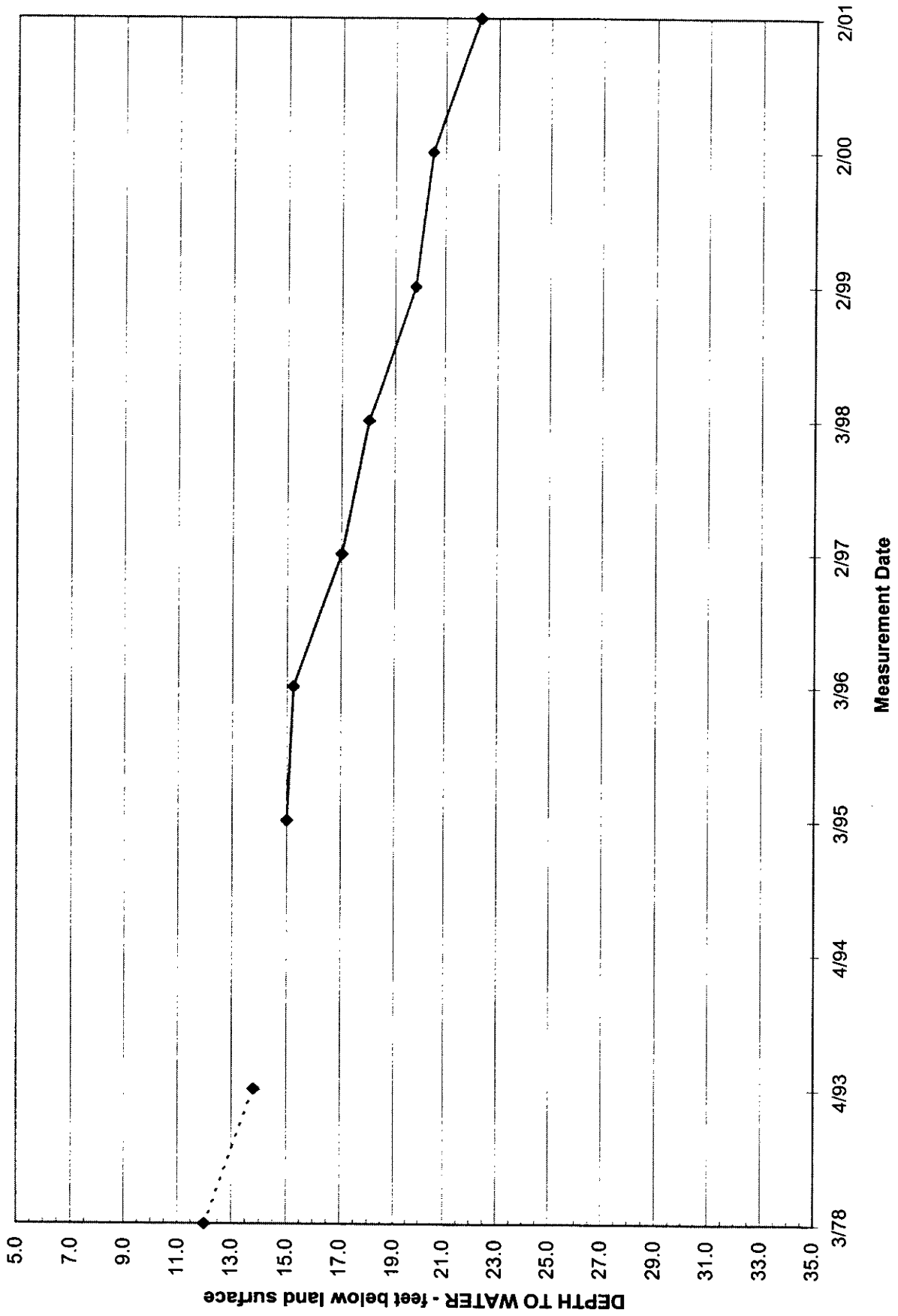


MONITORING WELL DATA SHEET

Well I.D.:	CAMP CREEK - 7	Well Owner:	VAUGHEY & VAUGHEY
Permit #:	21077-S	UTM Coordinates:	630,922 E
County:	WASHINGTON	Zone 13	4,453,137 N
Location:	SW/SW/SE SEC. 18, T3N, R54W, 6TH P.M., 370' FSL 2,040' FEL		
Aquifer:	ALLUVIUM		
Well Depth (ft):	115		
Surface Elev. (ft):	4,355		

Date	Hold (ft)	Cut (ft)	Depth to Water (ft)	Meas. Pt. - Ft. Above Land Surf.	Depth to Water - Ft. Below Land Surf.	Elev. of Water Level (ft)	Change From Previous Level (ft)	Change From 1st Level (ft)	Field Data Rcrd By
03/28/57	14.00	0.00	14.00	0.00	14.00	4341			UNKN
04/30/93	21.00	0.95	21.95	1.00	20.95	4334	-6.95	-6.95	LAH
04/04/94	22.00	0.27	22.27	1.00	21.27	4334	-0.32	-7.27	LAH
03/10/95	23.00	-0.20	22.80	1.00	21.80	4333	-0.53	-7.80	LAH
03/18/96	23.00	0.26	23.26	1.00	22.26	4333	-0.46	-8.26	LAH
02/14/97	24.00	0.28	24.28	1.00	23.28	4332	-1.02	-9.28	GRG
03/03/98	25.00	0.22	25.22	1.00	24.22	4331	-0.94	-10.22	GRG
02/08/99	26.00	0.61	26.61	1.00	25.61	4329	-1.39	-11.61	GRG
02/24/00	27.00	0.53	27.53	1.00	26.53	4328	-0.92	-12.53	GRG
02/06/01	28.00	0.81	28.81	1.00	27.81	4327	-1.28	-13.81	GRG

Hydrograph - Camp Creek No. 8

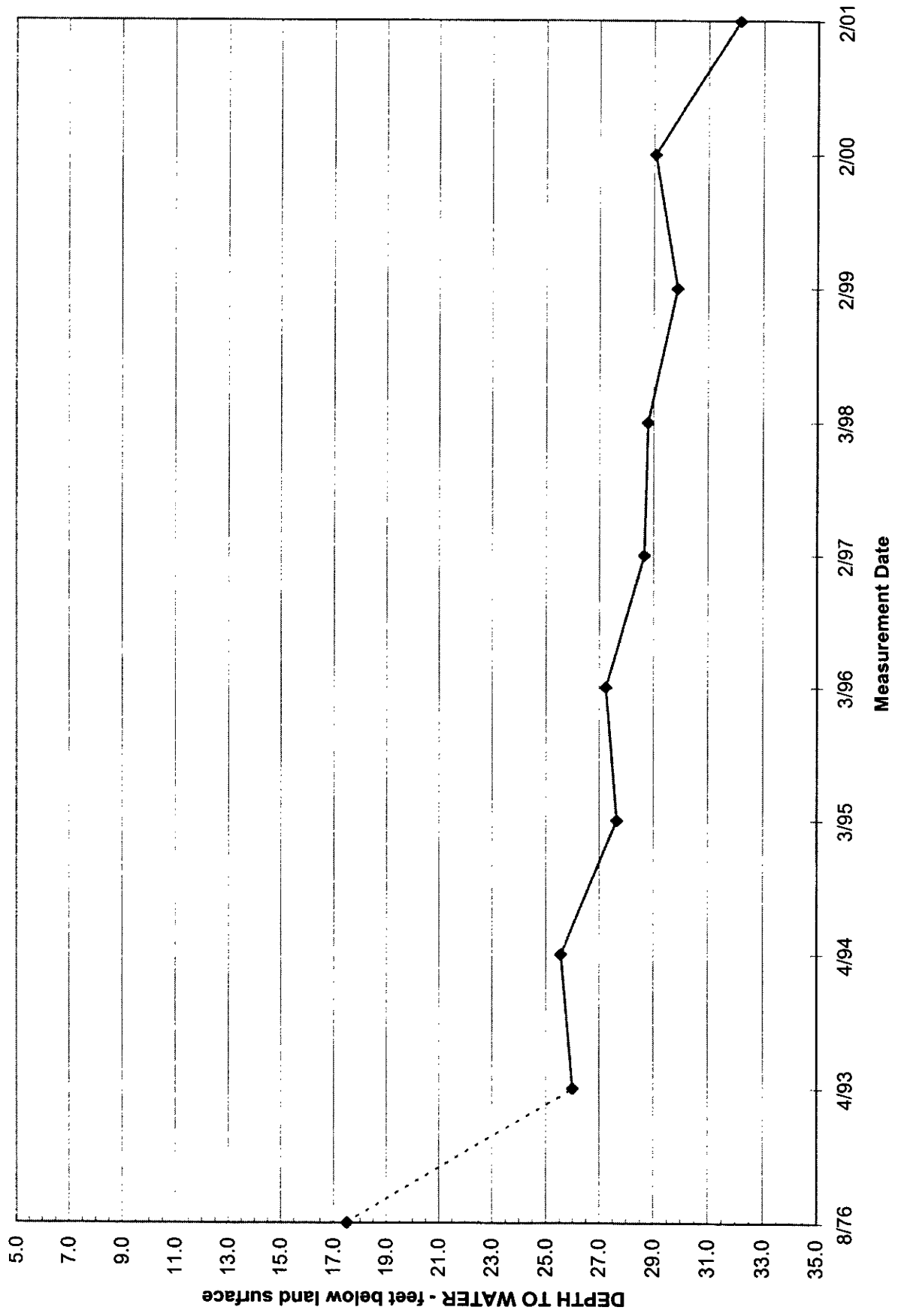


MONITORING WELL DATA SHEET

Well I.D.:	CAMP CREEK - 8	Well Owner:	GENE T. MITCHEL
Permit #:	2958-F	UTM Coordinates:	633,315 E
County:	WASHINGTON	Zone 13	4,452,007 N
Location:	NW/NW/SW SEC. 21, T3N, R54W, 6TH P.M., 1,800' FSL 420' FWL		
Aquifer:	ALLUVIUM		
Well Depth (ft):	83	Water level not measured 4/4/94, well was being pumped.	
Surface Elev. (ft):	4,363		

Date	Hold (ft)	Cut (ft)	Depth to Water (ft)	Meas. Pt. - Ft. Above Land Surf.	Depth to Water - Ft. Below Land Surf.	Elev. of Water Level (ft)	Change From Previous Level (ft)	Change From 1st Level (ft)	Field Data Rcrd By
03/04/78	12.00	0.00	12.00	0.00	12.00	4351			UNKN
04/30/93	14.00	0.80	14.80	1.00	13.80	4349	-1.80	-1.80	LAH
04/04/94				1.00			0		LAH
03/10/95	16.00	0.00	16.00	1.00	15.00	4348	-1.20	-3.00	LAH
03/08/96	16.00	0.24	16.24	1.00	15.24	4348	-0.24	-3.24	LAH
02/14/97	17.00	1.02	18.02	1.00	17.02	4346	-1.78	-5.02	GRG
03/03/98	19.00	0.00	19.00	1.00	18.00	4345	-0.98	-6.00	GRG
02/08/99	20.00	0.83	20.83	1.00	19.83	4343	-1.83	-7.83	GRG
02/24/00	21.00	0.51	21.51	1.00	20.51	4342	-0.68	-8.51	GRG
02/06/01	23.00	0.32	23.32	1.00	22.32	4341	-1.81	-10.32	GRG

Hydrograph - Camp Creek No. 6

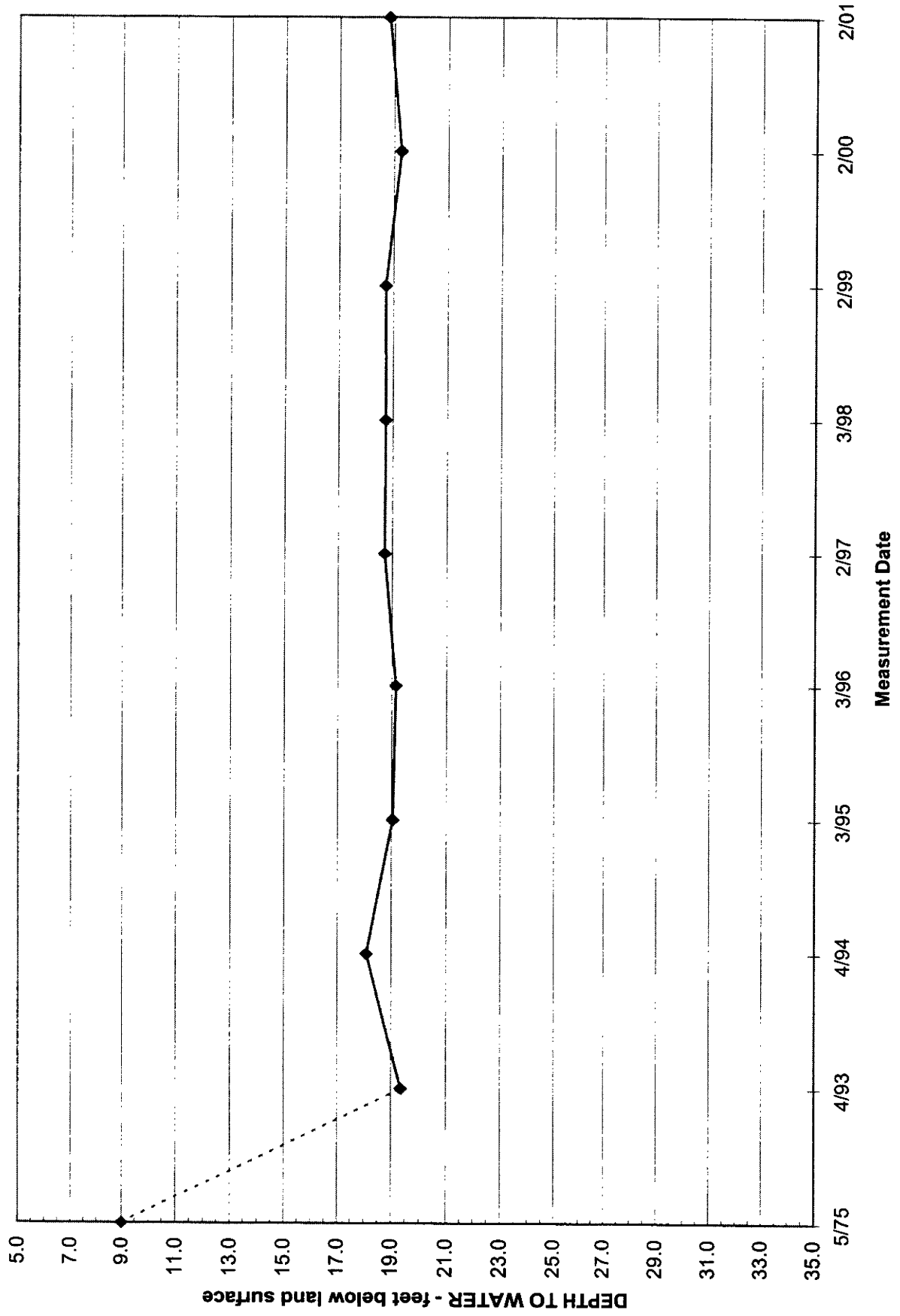


MONITORING WELL DATA SHEET

Well I.D.:	CAMP CREEK - 6	Well Owner:	ALLEN SCHUTTE
Permit #:	19966-F	UTM Coordinates:	632,257 E
County:	WASHINGTON	Zone 13	4,451,382 N
Location:	NE/NE/NW SEC. 29, T3N, R54W, 6TH P.M., 110' FNL 2,290' FWL		
Aquifer:	ALLUVIUM		
Well Depth (ft):	99		
Surface Elev. (ft):	4,370		

Date	Hold (ft)	Cut (ft)	Depth to Water (ft)	Meas. Pt. - Ft. Above Land Surf.	Depth to Water - Ft. Below Land Surf.	Elev. of Water Level (ft)	Change From Previous Level (ft)	Change From 1st Level (ft)	Field Data Rcrd By
08/02/76	17.50	0.00	17.50	0.00	17.50	4353			UNKN
04/29/93	28.00	-1.00	27.00	1.00	26.00	4344	-8.50	-8.50	LAH
04/04/94	26.00	0.55	26.55	1.00	25.55	4344	0.45	-8.05	LAH
03/10/95	28.00	0.65	28.65	1.00	27.65	4342	-2.10	-10.15	LAH
03/18/96	28.00	0.25	28.25	1.00	27.25	4343	0.40	-9.75	LAH
02/14/97	29.00	0.66	29.66	1.00	28.66	4341	-1.41	-11.16	GRG
03/03/98	30.00	-0.21	29.79	1.00	28.79	4341	-0.13	-11.29	GRG
02/08/99	30.00	0.88	30.88	1.00	29.88	4340	-1.09	-12.38	GRG
02/24/00	30.00	0.06	30.06	1.00	29.06	4341	0.82	-11.56	GRG
02/06/01	33.00	0.15	33.15	1.00	32.15	4338	-3.09	-14.65	GRG

Hydrograph - Camp Creek No. 4

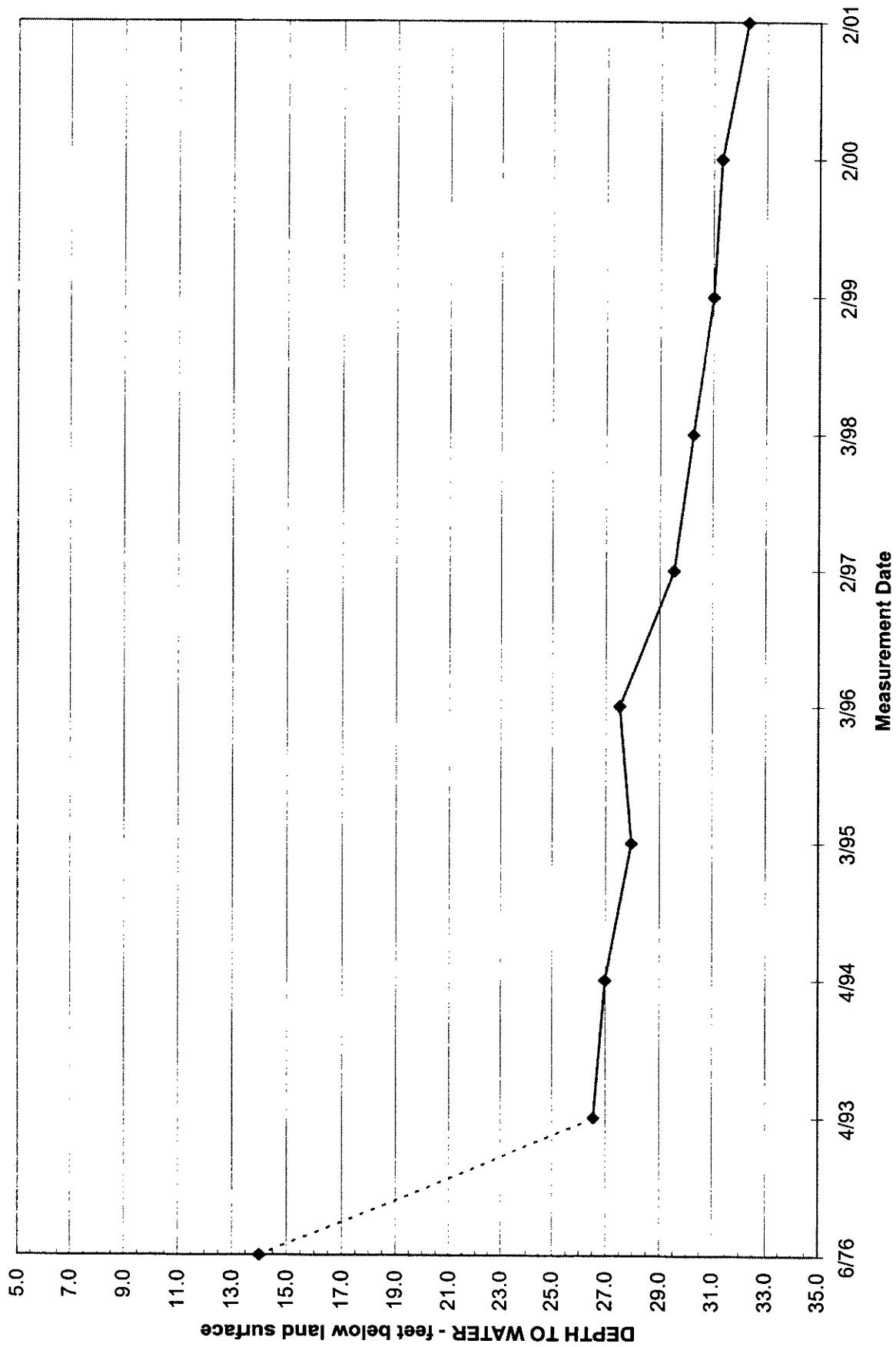


MONITORING WELL DATA SHEET

Well I.D.:	CAMP CREEK - 4	Well Owner:	ALLEN SCHUTTE
Permit #:	19358-F	UTM Coordinates:	634,489 E
County:	WASHINGTON	Zone 13	4,446,930 N
Location:	NW/SE/SE SEC. 4, T2N, R54W, 6TH P.M., 930' FSL 1,310' FEL		
Aquifer:	ALLUVIUM		
Well Depth (ft):	83		
Surface Elev. (ft):	4,420		

Date	Hold (ft)	Cut (ft)	Depth to Water (ft)	Meas. Pt. - Ft. Above Land Surf.	Depth to Water - Ft. Below Land Surf.	Elev. of Water Level (ft)	Change From Previous Level (ft)	Change From 1st Level (ft)	Field Data Rcrd By
05/02/75	9.00	0.00	9.00	0.00	9.00	4411			UNKN
04/27/93	20.05	0.00	20.05	0.70	19.35	4401	-10.35	-10.35	LAH
04/04/94	18.00	0.80	18.80	0.70	18.10	4402	1.25	-9.10	LAH
03/10/95	19.00	0.75	19.75	0.70	19.05	4401	-0.95	-10.05	LAH
03/10/96	19.00	0.85	19.85	0.70	19.15	4401	-0.10	-10.15	LAH
02/14/97	19.00	0.43	19.43	0.70	18.73	4401	0.42	-9.73	GRG
03/03/98	19.00	0.45	19.45	0.70	18.75	4401	-0.02	-9.75	GRG
02/08/99	19.00	0.43	19.43	0.70	18.73	4401	0.02	-9.73	GRG
02/24/00	19.00	0.97	19.97	0.70	19.27	4401	-0.54	-10.27	GRG
02/06/01	19.00	0.54	19.54	0.70	18.84	4401	0.43	-9.84	GRG

Hydrograph - Camp Creek No. 5

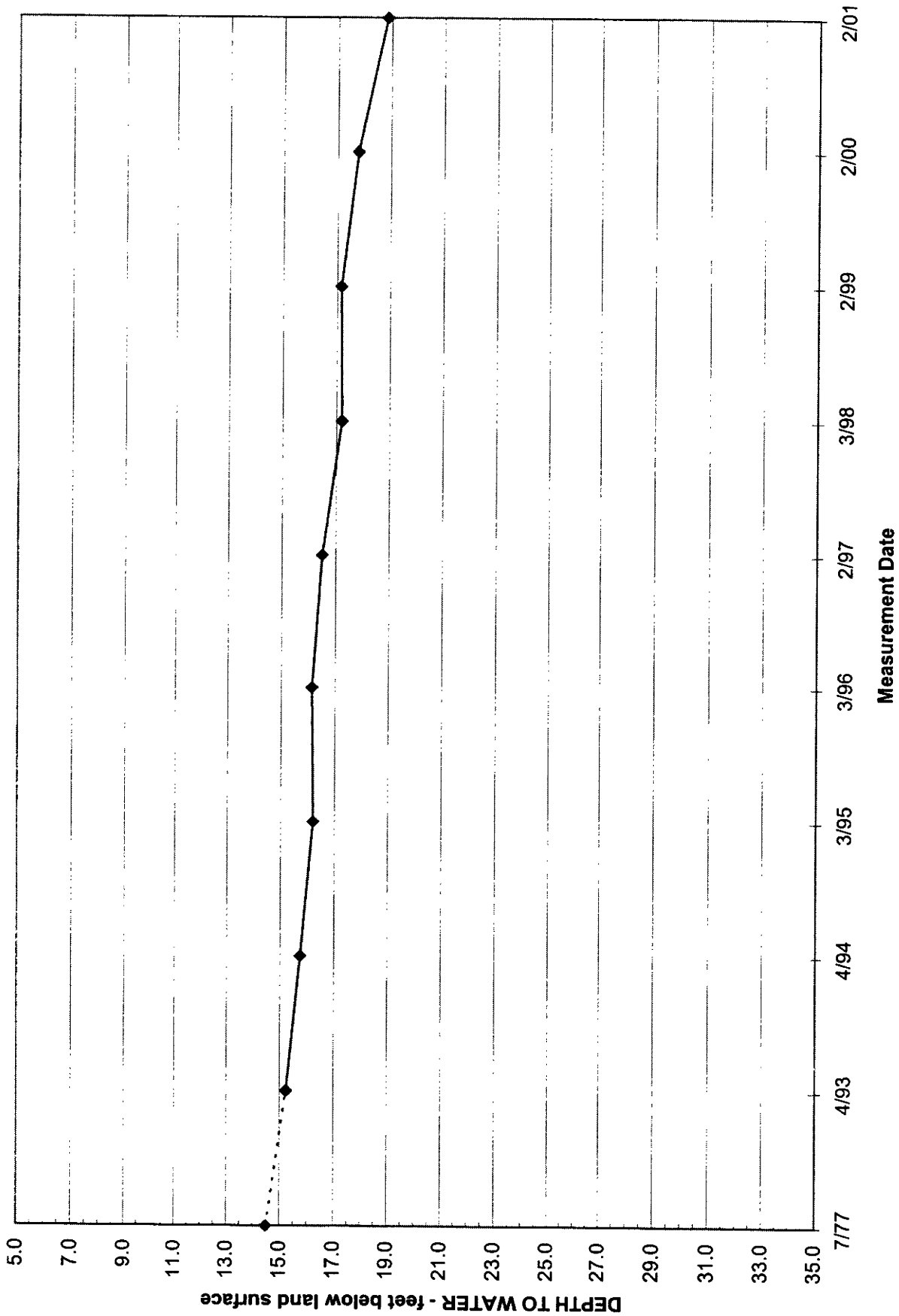


MONITORING WELL DATA SHEET

Well I.D.:	CAMP CREEK - 5	Well Owner:	ALLEN SCHUTTE
Permit #:	25969-F	UTM Coordinates:	632,823 E
County:	WASHINGTON	Zone 13	4,448,215 N
Location:	NW/NW/NE SEC. 5, T2N, R54W, 6TH P.M., 20' FNL 1,310' FEL		
Aquifer:	ALLUVIUM		
Well Depth (ft):	92		
Surface Elev. (ft):	4,405		

Date	Hold (ft)	Cut (ft)	Depth to Water (ft)	Meas. Pt. - Ft. Above Land Surf.	Depth to Water - Ft. Below Land Surf.	Elev. of Water Level (ft)	Change From Previous Level (ft)	Change From 1st Level (ft)	Field Data Rcrd By
06/29/76	14.00	0.00	14.00	0.00	14.00	4391			UNKN
04/29/93	26.00	0.95	26.95	0.40	26.55	4378	-12.55	-12.55	LAH
04/04/94	27.00	0.38	27.38	0.40	26.98	4378	-0.43	-12.98	LAH
03/10/95	28.00	0.35	28.35	0.40	27.95	4377	-0.97	-13.95	LAH
03/18/96	28.00	-0.09	27.91	0.40	27.51	4377	0.44	-13.51	LAH
02/14/97	29.00	0.93	29.93	0.40	29.53	4375	-2.02	-15.53	GRG
03/03/98	30.00	0.65	30.65	0.40	30.25	4375	-0.72	-16.25	GRG
02/08/99	31.00	0.42	31.42	0.40	31.02	4374	-0.77	-17.02	GRG
02/24/00	32.00	-0.28	31.72	0.40	31.32	4374	-0.30	-17.32	GRG
02/06/01	32.00	0.68	32.68	0.40	32.28	4373	-0.96	-18.28	GRG

Hydrograph - Camp Creek No. 3

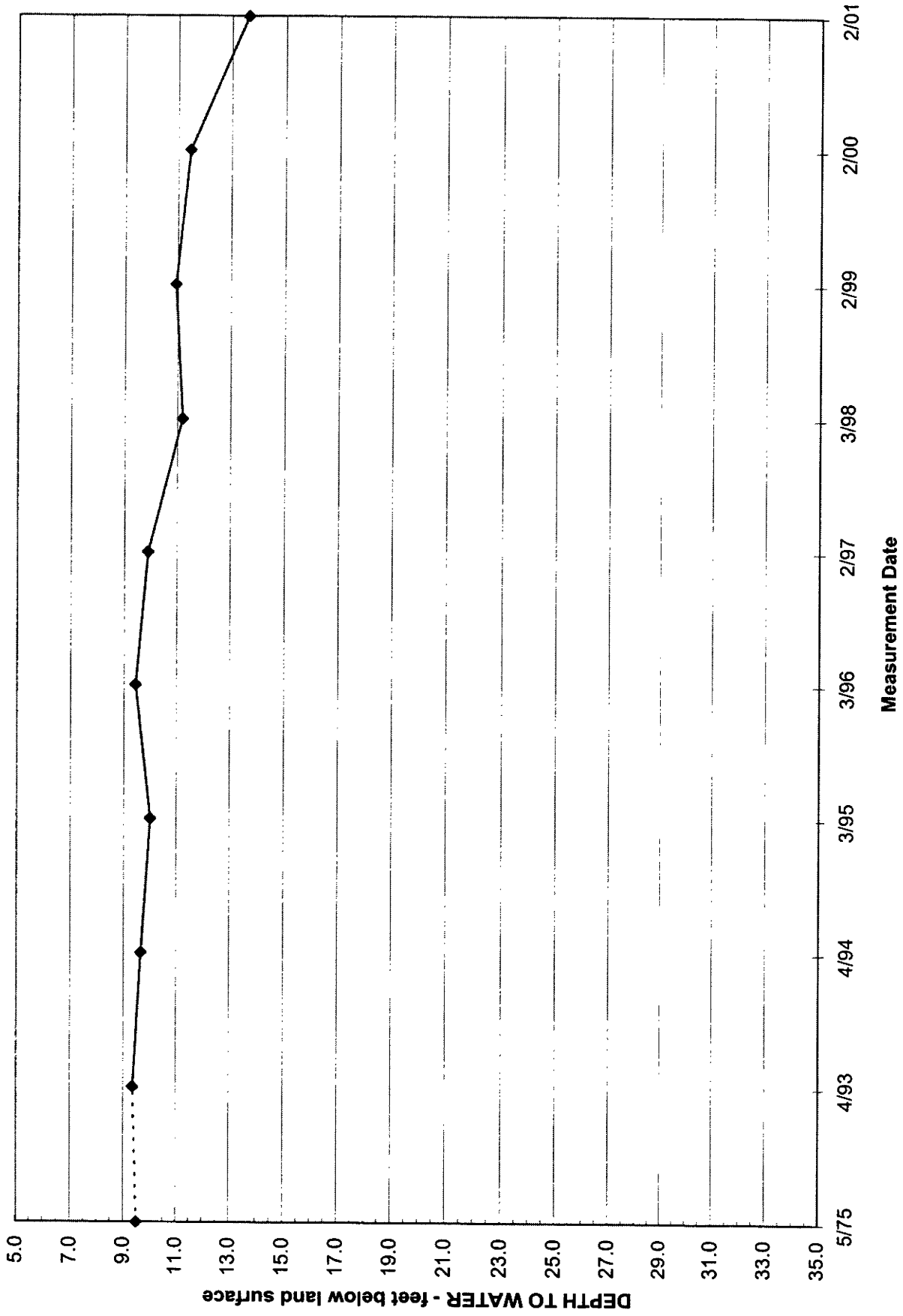


MONITORING WELL DATA SHEET

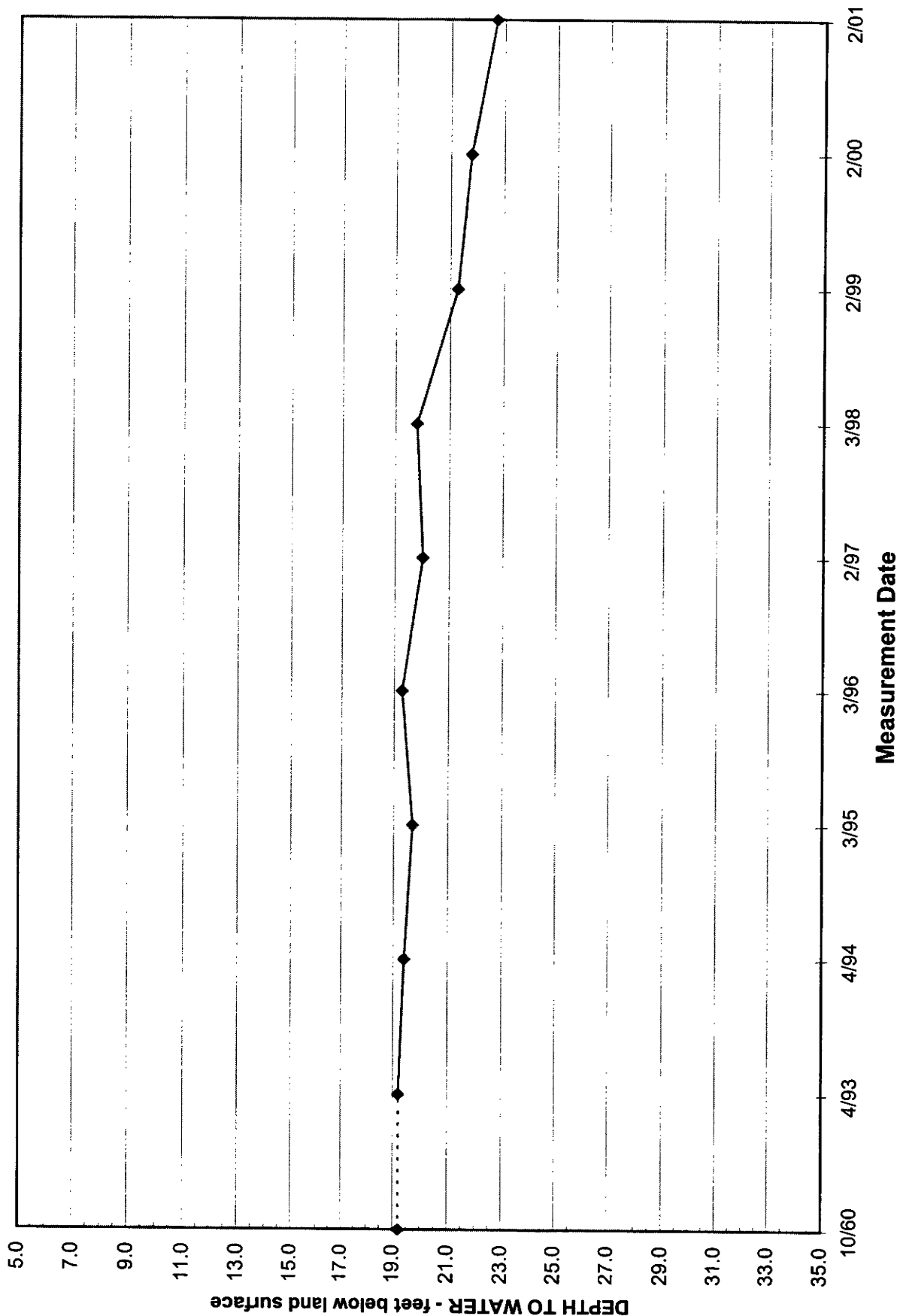
Well I.D.:	CAMP CREEK - 3	Well Owner:	ED BASLER
Permit #:	20791-F	UTM Coordinates:	634,737 E
County:	WASHINGTON	Zone 13	4,445,550 N
Location:	SE/NE/SE SEC. 9, T2N, R54W, 6TH P.M., 1,690' FSL 680' FEL		
Aquifer:	ALLUVIUM		
Well Depth (ft):	82		
Surface Elev. (ft):	4,435		

Date	Hold (ft)	Cut (ft)	Depth to Water (ft)	Meas. Pt. - Ft. Above Land Surf.	Depth to Water - Ft. Below Land Surf.	Elev. of Water Level (ft)	Change From Previous Level (ft)	Change From 1st Level (ft)	Field Data Rcrd By
07/01/77	14.50	0.00	14.50	0.00	14.50	4421			UNKN
04/29/93	15.00	0.44	15.44	0.20	15.24	4420	-0.74	-0.74	LAH
04/04/94	15.00	0.95	15.95	0.20	15.75	4419	-0.51	-1.25	LAH
03/10/95	16.00	0.40	16.40	0.20	16.20	4419	-0.45	-1.70	LAH
03/10/96	16.00	0.34	16.34	0.20	16.14	4419	0.06	-1.64	LAH
02/14/97	16.00	0.70	16.70	0.20	16.50	4419	-0.36	-2.00	GRG
03/03/98	17.00	0.40	17.40	0.20	17.20	4418	-0.70	-2.70	GRG
02/08/99	17.00	0.35	17.35	0.20	17.15	4418	0.05	-2.65	GRG
02/24/00	17.00	0.97	17.97	0.20	17.77	4417	-0.62	-3.27	GRG
02/06/01	19.00	0.05	19.05	0.20	18.85	4416	-1.08	-4.35	GRG

Hydrograph - Camp Creek No. 2



Hydrograph - Camp Creek No. 1



MONITORING WELL DATA SHEET

Well I.D.:	CAMP CREEK - 1	Well Owner:	WENICK HEREFORD RANCH
Permit #:	2804-F	UTM Coordinates:	637,647 E
County:	WASHINGTON	Zone 13	4,443,299 N
Location:	NW/NW/NE SEC. 23, T2N, R54W, 6TH P.M., 720' FNL 2,000' FEL		
Aquifer:	ALLUVIUM	2/8/99 - 2 to 3 feet of lubricating oil on top of the water. Depth to water is questionable.	
Well Depth (ft):	53		
Surface Elev. (ft):	4,585		
Surface Elev. (ft):	4,585		

Date	Hold (ft)	Cut (ft)	Depth to Water (ft)	Meas. Pt. - Ft. Above Land Surf.	Depth to Water - Ft. Below Land Surf.	Elev. of Water Level (ft)	Change From Previous Level (ft)	Change From 1st Level (ft)	Field Data Rcrd By
10/17/60	19.20	0.00	19.20	0.00	19.20	4566			UNKN
04/29/93	19.90	0.00	19.90	0.70	19.20	4566	0	0	LAH
04/04/94	21.00	-0.90	20.10	0.70	19.40	4566	-0.20	-0.20	LAH
03/10/95	21.00	-0.60	20.40	0.70	19.70	4565	-0.30	-0.50	LAH
03/18/96	20.00	-0.01	19.99	0.70	19.29	4566	0.41	-0.09	LAH
02/14/97	20.00	0.73	20.73	0.70	20.03	4565	-0.74	-0.83	GRG
03/03/98	20.00	0.50	20.50	0.70	19.80	4565	0.23	-0.60	GRG
02/08/99	22.00	-0.02	21.98	0.70	21.28	4564	-1.48	-2.08	GRG
02/24/00	22.00	0.47	22.47	0.70	21.77	4563	-0.49	-2.57	GRG
02/06/01	23.00	0.40	23.40	0.70	22.70	4562	-0.93	-3.50	GRG