



Table 1: Precipitation Summary for Tehachapi Station No.1

Water Year	Oct Inches	Nov Inches	Dec Inches	Jan Inches	Feb Inches	Mar Inches	Apr Inches	May Inches	June Inches	July Inches	Aug Inches	Sep Inches	Annual Inches
1921	0.40	0.25	0.65	2.50	1.16	0.54	0.69	1.40	0.07	0.00	0.00	0.15	7.81
1922	0.21	0.28	2.16	2.43	1.08	3.73	1.19	0.00	0.00	0.00	0.00	0.00	11.08
1923	0.51	0.71	3.04	0.54	0.58	0.00	2.37	0.00	0.00	0.00	0.00	2.61	10.36
1924	0.66	0.14	0.15	0.00	0.64	2.38	1.15	0.01	0.00	0.00	0.00	0.00	5.13
1925	0.92	0.92	2.60	0.50	1.59	2.45	1.30	0.90	0.00	0.00	0.00	0.00	11.18
1926	0.72	0.18	0.92	0.75	1.20	0.90	3.09	0.10	0.00	0.00	0.00	0.00	7.86
1927	0.00	3.25	1.01	0.72	2.92	1.28	0.48	0.28	0.00	0.17	0.00	0.00	10.11
1928	2.12	0.63	2.48	0.23	1.29	1.57	0.30	0.38	0.00	0.00	0.00	0.00	9.00
1929	0.00	1.89	1.32	0.95	0.60	2.04	1.53	0.05	0.55	0.00	0.10	0.05	9.08
1930	0.00	0.00	0.00	3.29	1.68	2.36	0.32	2.16	0.00	0.00	0.00	0.02	9.83
1931	0.03	1.63	0.00	1.77	4.02	0.10	0.79	0.05	0.37	0.14	2.42	0.01	11.33
1932	0.29	1.41	4.33	1.50	2.94	1.27	0.89	1.52	0.18	0.00	0.00	4.51	18.84
1933	2.60	0.00	2.24	4.17	0.68	0.34	0.17	0.94	0.49	0.00	0.00	0.00	11.63
1934	0.26	0.00	1.58	0.69	1.09	0.00	0.00	0.46	0.60	0.00	0.00	0.00	4.68
1935	1.15	2.19	1.78	3.19	2.17	2.11	2.90	0.18	0.00	0.00	0.23	0.41	16.31
1936	0.51	0.46	0.84	0.59	4.14	1.73	0.96	0.00	0.00	0.00	0.00	0.00	9.23
1937	0.63	0.08	3.17	2.50	3.00	4.30	1.70	0.30	0.00	0.00	0.00	0.00	15.68
1938	0.16	0.20	3.55	1.45	2.88	3.83	2.12	0.34	0.66	0.00	0.00	0.88	16.07
1939	0.00	0.00	2.74	3.79	3.28	2.17	0.72	0.95	0.26	0.00	0.00	1.61	15.52
1940	1.00	0.50	0.70	2.10	3.00	1.70	3.00	0.20	0.00	0.21	0.00	0.00	12.41
1941	1.10	0.23	3.66	1.99	5.79	4.10	3.56	0.00	0.00	0.00	0.12	0.00	20.55
1942	1.01	0.71	5.06	0.39	0.27	0.75	1.25	0.08	0.00	0.00	0.23	0.00	9.75
1943	0.35	0.64	2.04	5.65	2.07	3.25	1.52	0.03	0.00	0.00	0.00	0.00	15.55
1944	0.15	0.27	2.73	2.58	6.79	1.50	1.26	0.44	0.00	0.00	0.00	0.00	15.72
1945	0.04	2.71	1.23	1.23	4.14	4.12	0.22	0.87	0.18	0.04	0.46	0.79	16.03
1946	3.23	0.56	2.45	1.07	0.42	1.22	0.14	0.51	0.00	0.26	0.00	0.27	10.13
1947	0.44	3.62	1.97	1.07	0.55	0.37	0.80	0.26	0.00	0.00	0.03	0.00	9.11
1948	0.33	0.13	1.12	0.02	1.00	2.12	0.87	0.27	0.63	0.00	0.00	0.00	6.49
1949	0.03	0.16	1.06	3.02	2.06	2.24	0.08	0.71	0.00	0.00	0.00	0.00	9.36
1950	0.16	0.58	1.72	1.95	1.07	1.10	0.30	0.20	0.00	0.00	0.00	0.32	7.40
1951	0.20	1.37	0.73	1.62	0.67	0.42	3.02	0.43	0.00	0.00	0.00	0.00	8.46
1952	0.27	0.28	5.26	3.47	0.77	5.31	1.54	0.00	0.00	0.14	0.00	0.00	17.04
1953	0.00	3.12	3.10	1.85	0.40	0.95	1.35	1.07	0.00	0.00	0.16	0.00	12.00
1954	0.01	0.38	0.78	2.43	0.87	2.14	0.20	0.15	0.00	0.11	0.00	0.00	7.07
1955	0.00	1.12	0.65	2.82	0.97	0.00	0.71	0.32	0.00	0.00	0.00	0.00	6.59
1956	0.00	0.60	3.42	3.23	0.45	0.04	3.14	0.41	0.00	0.04	0.00	0.00	11.33
1957	0.32	0.00	0.17	2.90	1.22	1.20	1.16	0.98	0.22	0.00	0.00	0.00	8.17
1958	1.05	0.43	1.60	1.69	5.44	3.52	2.09	0.14	0.00	0.35	0.04	0.36	16.71
1959	0.27	0.75	0.12	0.00	1.83	0.02	0.28	0.23	0.00	0.00	0.00	0.79	4.29
1960	0.00	0.00	0.83	1.50	4.48	1.37	0.47	0.07	0.00	0.01	0.00	0.00	8.73
1961	0.07	3.01	0.13	0.62	0.30	1.56	0.20	0.32	0.00	0.00	1.08	0.00	7.29
1962	0.03	0.48	0.82	1.43	6.09	1.16	0.08	0.30	0.00	0.00	0.00	0.06	10.45
1963	0.13	0.00	0.00	0.27	1.29	1.49	1.46	0.09	0.66	0.00	1.36	1.34	8.09
1964	0.37	1.10	0.00	0.80	0.42	1.84	1.00	0.38	0.00	0.22	0.01	0.00	6.14
1965	0.29	1.02	4.43	0.78	0.19	1.28	2.68	0.00	0.00	0.44	1.18	0.00	12.29
1966	0.00	1.91	2.18	0.79	0.99	0.45	0.00	0.18	0.00	0.00	0.60	0.32	7.42
1967	0.00	2.42	3.87	1.33	0.10	0.97	3.55	0.19	0.00	0.00	0.06	2.13	14.62
1968	0.00	2.73	1.89	0.59	0.63	1.36	0.40	0.00	0.00	0.00	0.00	0.00	7.60
1969	0.48	1.21	2.24	5.16	5.69	1.60	1.16	0.02	0.00	0.26	0.00	0.12	17.94
1970	0.06	0.75	0.50	2.37	3.24	0.25	0.71	0.00	0.00	0.00	0.00	0.00	7.88
1971	0.00	6.22	2.01	0.42	0.79	0.66	1.20	0.81	0.00	0.03	0.16	0.04	12.34
1972	0.00	0.35	3.45	0.09	0.12	0.00	0.22	0.00	0.77	0.00	0.25	0.04	5.29
1973	0.19	2.51	3.31	2.40	1.56	3.87	0.67	2.06	0.00	0.00	0.46	0.00	17.03
1974	0.09	1.80	1.89	2.55	0.11	1.67	2.01	0.56	0.00	0.04	0.35	0.00	11.07
1975	2.23	0.51	1.06	0.19	1.23	1.72	1.35	0.00	0.00	0.00	0.07	0.44	8.80
1976	0.86	0.18	0.21	0.07	1.87	0.80	0.58	0.14	0.00	0.04	0.00	1.80	6.55
1977	0.82	0.56	0.00	2.66	0.71	1.62	0.00	2.35	0.29	0.00	1.54	0.00	10.55
1978	0.02	0.00	2.75	2.29	6.09	5.21	1.51	0.04	0.00	0.00	0.00	0.90	18.81
1979	0.00	0.47	1.27	3.91	2.13	2.22	0.03	0.26	0.00	0.00	0.51	0.29	11.09
1980	0.49	0.34	0.38	3.46	3.17	1.71	0.78	0.46	0.00	0.43	0.00	0.07	11.29
1981	0.28	0.01	0.61	1.81	0.71	3.75	0.22	0.49	0.00	0.00	0.00	0.00	7.88
1982	2.19	1.29	1.12	2.49	0.59	3.93	1.89	0.00	0.20	0.00	0.42	0.36	14.48
1983	0.95	2.47	3.13	3.55	2.41	11.59	1.34	0.26	0.00	0.00	2.65	0.13	28.48
1984	0.79	2.98	2.07	0.00	0.64	0.09	0.55	0.01	0.09	1.10	1.02	0.01	9.35
1985	0.31	1.91	3.25	1.17	1.09	1.37	0.12	0.10	0.52	0.00	0.00	0.48	10.32
1986	0.33	2.98	0.30	1.87	2.24	2.53	0.31	0.08	0.00	0.02	0.00	0.06	10.72
1987	0.14	0.99	0.81	1.63	1.50	2.18	0.35	0.47	0.60	0.00	0.00	0.32	8.99
1988	0.47	4.24	1.26	1.39	1.02	0.59	1.20	0.90	0.13	0.00	0.03	0.02	11.25
1989	0.00	1.91	1.69	0.19	0.98	0.79	0.13	0.44	0.00	0.00	0.00	0.96	7.09
1990	0.51	0.30	0.00	1.63	0.79	1.22	0.24	1.39	0.04	0.00	0.00	0.25	6.37
1991	0.05	0.68	0.74	1.05	1.61	5.83	0.00	0.18	0.00	0.55	0.00	0.00	10.69
1992	0.63	0.57	1.55	1.54	4.53	3.17	0.66	0.06	0.00	0.10	0.00	0.00	12.81





Table 1: Precipitation Summary for Tehachapi Station No.1

Water Year	Oct Inches	Nov Inches	Dec Inches	Jan Inches	Feb Inches	Mar Inches	Apr Inches	May Inches	June Inches	July Inches	Aug Inches	Sep Inches	Annual Inches
1993	1.18	0.05	4.45	5.78	4.51	1.46	0.01	0.00	0.82	0.00	0.00	0.00	18.26
1994	0.38	1.19	1.67	0.41	1.85	0.55	1.51	0.61	0.00	0.00	0.00	0.05	8.22
1995	0.30	1.44	1.37	9.09	0.49	6.23	1.31	0.86	0.14	0.05	0.63	0.00	21.91
1996	1.57	1.07	2.47	2.78	3.79	1.20	0.36	0.00	0.00	0.00	0.00	0.00	13.24
1997	0.24	1.98	2.98	3.30	0.95	0.00	0.18	0.00	0.00	0.03	0.00	0.71	10.37
1998	0.60	1.34	0.47	3.29	9.37	3.15	1.60	1.31	0.45	0.00	0.76	1.44	23.78
1999	0.00	0.22	1.38	3.17	0.92	0.54	0.96	0.05	0.03	1.04	0.00	0.03	8.34
2000	0.81	0.30	0.39	1.37	4.11	1.46	0.61	0.79	0.08	0.00	0.30	0.00	10.22
2001	0.52	1.96	1.63	2.90	2.40	2.02	1.98	0.01	0.00	0.57	0.00	0.00	13.99
2002	0.03	3.23	2.84	0.42	0.08	1.33	0.08	0.39	0.00	0.00	0.00	0.00	8.40
2003	0.00	0.96	1.89	0.10	3.33	1.68	2.07	0.44	0.00	0.90	0.29	0.16	11.82
2004	2.19	0.23	3.72	0.86	4.07	0.83	0.20	0.00	0.00	0.00	0.01	0.00	12.11
2005	1.81	0.40	1.54	4.13	4.82	1.77	1.71	0.89	0.00	0.43	0.05	0.47	18.02
Average 1921-2005	0.51	1.11	1.77	1.91	2.08	1.90	1.04	0.42	0.11	0.09	0.21	0.30	11.45
Average 1921-1985	0.49	1.06	1.81	1.77	1.90	1.89	1.13	0.41	0.10	0.06	0.24	0.33	11.18
Average 1986-2004	0.52	1.35	1.66	2.25	2.55	1.93	0.72	0.42	0.12	0.17	0.11	0.21	12.03





Table 2: Irrigated Cropland in Tehachapi Basin: Summarized District Survey

IRRIGATED CROPS	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	Total Crop
	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES
Alfalfa Hay	0	0	0	0	0	35	25	25	25	25	18	20	38	19	28	0	23	0	0	281
Pumpkins	80	0	3	0	1	1	8	0	3	0	11	2	0	0	0	0	0	0	0	109
Home Gardens	45	45	50	44	44	35	19	13	10	10	7	18	1	6	3	9	8	8	26	402
Vegetables	0	0	20	3	1	0	0	0	215	518	398	658	135	657	435	121	188	268	324	4409
Tree Fruit	974	863	895	911	822	790	662	565	480	377	349	338	300	341	335	306	286	271	178	10255
Table Grapes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Korean Radish	0	0	0	0	0	0	0	0	0	35	0	0	0	0	0	0	0	0	3	41
Nurseries	0	0	0	0	0	0	3	2	2	3	2	1	0	1	2	2	2	2	0	22
Turf Sod	230	275	223	137	137	117	0	0	0	0	0	0	21	0	0	0	0	0	0	1140
Lilacs	25	25	38	30	30	30	30	30	30	27	25	22	473	29	31	46	41	41	41	1085
Total Irrigated	1354	1208	1229	1125	1035	1008	747	635	765	995	809	1059	968	1053	834	484	548	590	572	17743



Table 3: Well Information for the Tehachapi Basin

Well Location			Elevation and Installation Details							Screen and Producing Formation									Depth of Geological Boundaries and Lithology									
State Well No	Northing	Easting	Elevation Wellhead	Date Drilled	Boring TD	Depth of Well	Casing Diameter	Depth of Seal	Well Use	Screened Interval	Top of Screen BGS	Bottom of Screen BGS	Top of Screen AMSL	Bot of Screen AMSL	Aquifer*	WL First	Water Level Completed	Well Yield	ALL/dRk ft (bgs)	Dec Rk ft (bgs)	Frac Rk ft (bgs)	Hard Rk ft (bgs)	All ft	WR ft	FR ft	Bedrock Elevation	Lithological Notes	
32S/32E-1N	-	-	3950	5/91	520	518	6	50	D	123-518	123	518	3827	3432	RK	123	40	10	8	8	520		8	0	512	3942	Soil, grt.	
32S/32E-1K1	609470.87	1852695.02	4000	3/85	545	50	8	50	D	400-500	400	500	3600	3500	RK	460	260	3	15	45	545		15	30	500	3985	d grt, mixed grt and cly layers.	
32S/32E-1K2	609056.77	1852950.66	3980	10/86	485	480	6	50	D	120-480	120	480	3860	3500	RK	120	80	5	5	5	485		5	0	480	3975	f soil, f grt.	
32S/32E-1M1	609482.68	1850163.85	3990	3/86	520	520	6.625	50	D	80-520	80	520	3910	3470	RK	81	70	5	0	0	520		0	0	520		List, grt, f list.	
32S/32E-1M2	609561.51	1850615.77	4010	4/86	500	500	6.625	50	D	400-500	400	500	3610	3510	RK	260	160	3	3	3	500		3	0	497	4007	List, grt, f list.	
32S/32E-1M3	608980.02	1850170.09	3960	9/86	325	325	6.625	50	D	225-325	225	325	3735	3635	RK	62	30	20	4	4	288	325	4	0	284	3956	Soil, grt, fgrt, grt.	
32S/32E-1N1	608619.72	1850060.34	3930	9/79	345	345	6.625	18	D	18-345	18	345	3912	3585	RK	83	80	5	17	18	336	345	17	1	318	3913	Snd, Rk, f rk and hard rk alt.	
32S/32E-1P1	607989.62	1851525.05	3930	9/83	285	285	6	50	D	100-285	100	285	3830	3645	RK	120	120		0	30	264	285	0	30	234		d grt, frc grt, grt.	
32S/32E-1Q1	608064.51	1852700.46	3990	9/83	205	205	6	50	D	105-205	105	205	3885	3785	RK	70	40		0	35	110	205	0	35	75		d grt, grt - frac and hard rk alt.	
32S/32E-1Q2	608818.35	1853037.79	3970	9/83	345	345	6	50	D	245-345	245	345	3725	3625	RK	243	40		30	30	330	345	30	0	300	3940	cly, list, f grt, grt.	
32S/32E-1R1	607740.80	1854091.23	3935	11/79	205	205	6	50	D	105-205	105	205	3830	3730	RK	85	45		0	25	205		0	25	180		d grt, shl, grt and grvl..	
32S/32E-2R1	608425.89	1849671.97	4060	9/78	200	200	6	50	D	120-200	120	200	3940	3860	RK	95	65		0	25	185	200	0	25	160		d grt, frac grt, grt.	
32S/32E-2R2	608221.22	1849385.94	4090	10/79	240	238	6	50	D	138-238	138	238	3952	3852														
32S/32E-2R3	608325.40	1849246.37	4010	1/84	307	305	6.625	50	D	205-305	205	305	3805	3805	RK	145	85		5	5	307		5	0	302	4005	soil, f grt.	
32S/32E-11K	-	-	3930	5/95	350	330	6	30	D	200-330	200	330	3730	3600	RK	190	30	30	15	15	315	350	15	0	300	3915	soil, grt - frac and hard Rk alt.	
32S/32E-11A1	606134.56	1848850.73	3970	2/78	400	185	6	50	D	105-185	105	185	3865	3785	RK	155	155		8	8	370	400	8	0	362	3962	cly, grt - frac and hard alt.	
32S/32E-11A2	606079.42	1849274.25	3960	7/83	260	260	6	50	D	140-260	140	260	3820	3700	RK	70	20	60	0	2	207	260	0	2	205		d grt, grt - frac and hard alt.	
32S/32E-11A7	-	-	3960	2/73	300	300	6	28	D	200-300	200	300	3760	3660	RK	210		20	0	25	283	300	0	25	258		d grt, grt - frac and hard alt, base hard list and grt.	
32S/32E-11H1	604853.66	1849555.99	3930	5/79	245	245	6.625	44	D	80-245	80	245	3850	3685	RK	86		20	85	85	235	245	85	0	150	3845	soil, cly, grt, frac grt, grt.	
32S/32E-11J1	604361.13	1848856.71	3980	4/79	302	302	6	50	D	202-302	203	302	3777	3678	RK	155	100		0	12	265	302	0	12	253		d grt, grt - frac and hard alt.	
32S/32E-11J2	604095.34	1849533.34	3940	4/98	226	220	6	50	D	120-220	120	220	3820	3720	RK	100	55		7	7	180	226	7	0	173	3933	cly, frac grt, grt.	
32S/32E-11K1	603600.37	1848435.30	3930	7/83	200	200	6	50	D	150-200	150	200	3780	3730	RK	83	83		83	83	200		83	0		3847	snd/cly, frac grt.	
32S/32E-11K2	603488.18	1848212.24	3920	9/76	275	275	6	50	D	110-275	110	275	3810	3645	RK	108	51	60	7	14	263	275	7	7	249	3913	cly/d grt, frac grt and qtz, hard grt.	
32S/32E-11Q1	602699.26	1847410.42	4015	4/79	402	402	6	50	D	302-402	302	402	3713	3613	RK	140	145		5	50	379	402	5	45	329	4010	cly, d grt, frac grt and hard grt alt.	
32S/32E-11R1	603157.18	1849484.87	3875	7/78	240	240	6.625	50	D	140-240	140	240	3735	3635	RK	155	45		157	157	208	240	157	0	51	3718	cly, grvl, grt.	
32S/32E-11R2	602997.47	1848755.40	3930	11/79	245	245	10	52	D	165-265	165	265	3765	3665	RK	185	30		0	65	195	245	0	65	130		d grt, list, grt.	
32S/32E-12D1	606563.62	1850121.93	3800	3/81	185	185	6	50	D	85-185	85	185	3715	3615	RK	70	25		70	70	145	185	70	0	75	3730	cly, f grt, grt.	
32S/32E-12D2	606396.42	1851053.85	3870	7/86	245	245	6.625	50	D	145-245	145	245	3725	3625	RK	75	60	80	5	5	228	245	5	0	223	3865	soil, f grt, grt.	
32S/32E-12E1	605148.06	1850917.05	3850	8/79	166	166	6	50	D	66-166	66	166	3784	3684	RK	95	40		95	95	148	166	95	0	53	3755	cly, f grt, grt.	
32S/32E-12E2	605183.50	1850335.45	3890	5/80	165	165	6.625	50	D	65-165	65	165	3825	3725	RK	99	15	60	5	32	165		5	27		3885	soil, d grt, frac grt and hard grt alt.	
32S/32E-12E3	605455.87	1850610.63	3880	5/81	205	200	6	50	D	100-200	100	200	3780	3680	RK	35	35		15	15	180	205	15	0	165	3865	cly, qtz, grt.	
32S/32E-12E4	605488.33	1850838.68	3860	2/86	250	250	6.625	50	D	150-250	150	250	3710	3610	RK	60	50	25	0	23	233	250	0	23	210		d grt, list Rk, f grt, grt.	
32S/32E-12K3	604233.19	1853505.52	3880	11/80	263	263	6	50	D	163-263	163	263	3717	3617	RK	185	15		0	15	245	263	0	15	230		d grt, frac grt and hard grt alt.	
32S/32E-12M1	603991.85	1849915.38	3890	5/78	200	200	6.625	40	D	100-200	100	200	3790	3690	RK	52			22	39	200		22	17		3868	soil, d grt, frac grt and hard grt alt.	
32S/32E-12M2	604285.84	1850340.59	3885	4/79	245	245	6.625	50	D	100-245	100	245	3785	3640	RK	90	56		70	70	236	245	70	0	166	3815	soil, frac grt and hard grt alt.	
32S/32E-12N2	603253.31	1850237.17	3880	1/84	225	225	6.625	50	D	125-225	125	225	3755	3655	RK	167	20		0	50	193	225	0	50	143		d grt, list Rk, frac grt and hard grt alt.	
32S/32E-12N3	602525.07	1850049.82	3830	4/84	285	275	6.625	50	D	175-275	175	275	3655	3555	RK	160	20		40	60	246	285	40	20	186	3790	d grt, frac grt and hard grt alt.	
32S/32E-12N4	603371.69	1849939.11	3850	1/87	150	150	6.625	47	D	50-150	50	150	3800	3700	RK	80	60	40	0	5	150		0	5			frac grt and hard grt alt.	
32S/32E-12P3	-	-	3800	3/89	200	200	6.625	50	D	100-200	100	200	3700	3600	RK	145	50	25	7	90	187	200	7	83	97	3793	cly, d grt, frac grt and hard grt alt.	
32S/32E-12P4	-	-	3800	12/90	305	305	6.625	50	D	200-305	200	305	3600	3495	RK	273	60		22	36	275	305	22	14	239	3778	cly, d grt, frac grt and hard grt alt.	
32S/32E-13D1	601055.47	1851007.93	3800	11/49	120	110	10	?	D	30-110	30	110	3770	3690	ALL		16	25		70	70	110	120	70	0	40	3730	snd, gnt at base.
32S/32E-13E1	599857.32	1850541.85	3795		127	127	6	N	D	Unfinished	Unfinished	Unfinished			ALL		16			87	87	127		87	0	40	3708	snd, shl-gnt at base.
32S/32E-13K1	599162.50	1852466.27	3810	6/34	150	144	12	N	IR	24-138	24	138	3786	3672	ALL													

Table 3: Well Information for the Tehachapi Basin

Well Location			Elevation and Installation Details							Screen and Producing Formation								Depth of Geological Boundaries and Lithology											
State Well No	Northing	Easting	Elevation Wellhead	Date Drilled	Boring TD	Depth of Well	Casing Diameter	Depth of Seal	Well Use	Screened Interval	Top of Screen BGS	Bottom of Screen BGS	Top of Screen AMSL	Bot of Screen AMSL	Aquifer*	WL First	Water Level Completed	Well Yield	ALL/dRk ft (bgs)	Dec Rk ft (bgs)	Frac Rk ft (bgs)	Hard Rk ft (bgs)	All ft	WR ft	FR ft	Bedrock Elevation	Lithological Notes		
32S/32E-25C2	590765.96	1851580.54	4090	2/87	430				D										290	290	360	430	290	0	70	3800	cl, f grt, grt.		
32S/32E-25L4	587556.29	1851776.69	4260	6/70	303	303	10	25	D	203-303	203	303	4057	3957	ALL	235	235		280	303			280			3980	sd, y and sity cl, d grt and blk d rk.		
32S/32E-25N1	586245.32	1849772.95	4235	8/79	264	264	6	50	D	164-264	164	264	4071	3971	ALL	90	90		185	185	230	264	185	0	45	4050	cl, y bolders, grt, f grt, grt.		
32S/32E-25N6	586597.40	1850399.84	4245	2/80	219	219	6	50	D	119-219	119	219	4126	4026	ALL	105	105		219									cl, y and grvis, snds and cl, y.	
32S/32E-25N7	587421.82	1850265.36	4230	4/87	200	200	6	50	D	140-200	140	200	4090	4030	RK	171	91		18	81	183	200	18	63	102	4212	cl, y, d grt, grv and grt.		
32S/32E-26A2	-	-	4000	4/72	80	80	6.625	50	D	50-80	50	80	3950	3920	RK			15	25	80			25				3975	cl, y, d grt and cl, y.	
32S/32E-26A3	-	-	4000	3/73	100	100	6.625	50	D	50-100	50	100	3950	3900	ALL	40-95	25	20	95	100			95				3905	sd, y cl, y and snd and rks, d grt.	
32S/32E-26G1	589517.85	1848050.99	4085	7/52	49	49	10	N	IR	9-45	9	45	4076	4040	ALL	10	6		34	45	45	49	34	11	0	4051	cl, y rks, grt, d grt, grt.		
32S/32E-26H1	588962.70	1849438.63	4120	3/66	190	187	10	50	D	55-181	55	181	4065	3939	ALL	57	47		178	190			178				3942	cl, y, grvl cl, y, d grt.	
32S/32E-26L2	587671.43	1846693.17	4165	2/87	220	215	6.625	49	D	115-215	115	215	4050	3950	RK	50	30		0	75	220		0	75				d grt, f grt.	
32S/32E-26M1	587933.24	1844938.45	4280	8/79	245	245	6	50	D	145-245	145	245	4135	4035	RK	130	130		0	125	207	245	0	125	82			d grt, f grt, grt.	
32S/32E-26M2	588571.68	1845483.62	4330	3/83	265	265	6	50	D	165-265	165	265	4165	4065	RK	90	90		0	40	225	265	0	40	185			D grt, f grt, List, f grt, grt.	
32S/32E-26N3	586625.05	1844982.74	4230	4/59	76	76	6	N	D	28-76	28	76	4202	4154	ALL				76									bouldrs and cl, y, cl, y and sdy cl, y.	
32S/32E-26N4	587007.76	1844953.94	4210	6/53	60	60	6	N	D	24-60	24	60	4186	4150	ALL				60									bouldrs and cl, y, grvl-cl, y and rk-cl, y.	
32S/32E-26N5	586834.95	1845380.93	4215	3/83	70	70	6	50	D	50-70	50	70	4165	4145	ALL				70									cl, y/grt and boulders.	
32S/32E-26N6	-	-	4220	8/90	160	160	6	50	D	60-160	60	160	4160	4060	ALL	80	60		140	140	140	160	140	0	0			cl, y, grvl, cl, y, grt.	
32S/32E-26P1	587180.88	1846711.29	4150	6/58	41	41	6	N	D	21-41	21	41	4129	4109	ALL/RK				18	41			18				4132	All, d grt.	
32S/32E-26Q3	586212.07	1847316.49																											
32S/32E-26Q6	586212.46	1847530.91	4210	9/57	84	84	10	N	IR	36-84	36	84	4174	4126	ALL	36	18		84									cl, y grvl, cl, y and cl, y and rks.	
32S/32E-35A1	-	-	4240	3/90	185	185	6.625	50		80-185	80	185	4160	4055	ALL	140	80	40	185										cl, y, grvl Alt.
32S/32E-35B1	585877.06	1847328.66	4215	3/88	160	145	6	50	D	60-145	60	145	4155	4070	ALL/RK	120	58	15	120	120	160		120	0		4095	cl, y, conglm, f rk. Conglm several layers.		
32S/32E-35B2	585681.4	1847315.06	4225	2/88	146	146	6.625	27	D	60-146	60	146	4165	4079	RK	100	80		5	5	134	146	5	0	129	4220			
32S/32E-35B3	-	-	4220	10/88	208	208	6.625	50	D	103-208	103	208	4117	4012	ALL	125	60	25	191	191	191	208	191	0	0	4029			
32S/32E-35C3	-	-	4220	3/90	275	275	8.625	50	M	100-275	100	275	4120	3945	ALL	75	55	100+	260	260	260	275	260	0	0	3960	cl, y and grvl layers, grt at base.		
32S/32E-35G2	583693.89	1847085.23	4370	3/83	345	340	6	50	D	240-340	240	340	4130	4030	RK	170	140		130	130	340	345	130	0	210	4240	cl, y and d grt at top, f grt, f list with grt at base.		
32S/32E-35H2	583634.54	1849466.69	4325	9/87	330	330	6.625	50	D	210-330	210	330	4115	3995	ALL	109	80	18	330									alt cl, y and grvl layers.	
32S/32E-35H3	583997.40	1849087.44	4320	6/87	198	198	6.625	50	D	90-198	90	198	4230	4122	ALL	133	80	50	190	190	190	198	190	0	0	4130	Cl, y, grv Alt and grt at base.		
32S/32E-35H5	583600.65	1848210.62	4350	3/83	400	400	6	50	D	300-400	300	400	4050	3950	ALL	240	240		385	385	385	400	385	0	0	3965	Cl, y, grvl alt and grt at base.		
32S/32E-35H4	584130.96	1848719.06	4310	12/85	230	230	6	50	D	100-230	10	230	4300	4080	ALL	178	60	60	215	215	215	230	215	0	0	4095	cl, y, shl, grt and grt alt, grt at base.		
32S/32E-35J1	583166.84	1849027.61	4360	12/84	430	415	6.625	50	D	315-415	315	415	4045	3945	ALL/RK	275	215	15	195	195	430		195	0		4165	cl, y, dk, cl, y, Sst.		
32S/32E-36B2	585771.02	1853231.69	4360	1/70	300	300	10	5	D	73-300	73	300	4287	4060	ALL/RK				270	300			270				4090	cl, y, d, grt, cl, y.	
32S/32E-36B3	585032.67	1853032.45	4400	3/70	202	202	10	6	D	46-202	46	202	4354	4198	ALL/RK	45	45		151	202			151				4249	cl, y, d, grt.	
32S/32E-36C7	-	-	4380	10/89	320	320	6.625	50	D	215-320	215	320	4165	4060	ALL/RK	270	180		270	320			270				4110	cl, y, d, grt.	
32S/32E-36D8	585597.27	1850698.82	4340	4/86	300	300	6.625	50	D	200-300	200	300	4140	4040	ALL/RK	240	160	13	260	300			260				4080	cl, y, d, grt.	
32S/32E-36E2	-	-	4360	6/90	397	397	6	50	D	250-397	250	397	4110	3963	ALL/RK	178	125	30	242	275	378	397	242	33	103	4118	grvl, grt.		
32S/32E-36F1	584452.62	1851636.86	4440	5/77	400	400	6	50	D	300-400	300	400	4140	4040	ALL/RK	340	140		370	370	400		370	0		4070	grvl, cl, y, grt.		
32S/32E-36F2	584011.21	1851948.95	4470	5/79	205	200	6.625	24	D	40-200	40	200	4430	4270	ALL/RK	86		18	20	205			20				4450	Sd, rk, d grt.	
32S/32E-36G1	584088.58	1852988.05	4470	6/69	200	200	10	Y	D	152-200	152	200	4318	4270	ALL/RK	109	95		144	200			144				4326	cl, y, snd and d grt	
32S/32E-36G2	584763.66	1853598.90	4440	4/70	200	200	8	10	D	100-200	100	200	4340	4240	RK	157	142		10	132	200		10	122		4430	D grt and grt		
32S/32E-36H1	583622.20	1854464.76	4530	4/79	320	320	6	50	D	220-320	220	320	4310	4210	ALL/RK	270	165		290	290	310	320	290	0	20	4240	D grt and grt		
32S/32E-36J1	583151.61	1853945.56	4600	9/76	265	365	6	50	D	185-265	185	265	4415	4335	RK	180	150		0	155	225	265	0	155	70			D grt and grt	
32S/32E-36K1	582596.34	1853345.25	4600	2/80	225	225	6	50	D	125-225	125	225	4475	4375	RK	160	135		0	115	225		0	115				Sst and grt	
32S/32E-36K2	582862.01	1853376.02	4550	2/80	300	300	6	50	D	200-300	200	300	4350	4250	RK	240	240		0	240	282	300	0	240				Sst and grt	
32S/32E-36K3	583089.16	1853531.51	4570	3/81	185	185	6	50	D	85-185	85	185	4485	4385	ALL/RK	120	80		145	185			145				4425	snd, cl, y, rk and grt.	
32S/32E-36L1	583087.15	1851912.33	4560	7/86	350</																								



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Well Location			Elevation and Installation Details							Screen and Producing Formation							Depth of Geological Boundaries and Lithology												
State Well No	Northing	Easting	Elevation Wellhead	Date Drilled	Boring TD	Depth of Well	Casing Diameter	Depth of Seal	Well Use	Screened Interval	Top of Screen BGS	Bottom of Screen BGS	Top of Screen AMSL	Bot of Screen AMSL	Aquifer*	WL First	Water Level Completed	Well Yield	ALL/dRk ft (bgs)	Dec Rk ft (bgs)	Frac Rk ft (bgs)	Hard Rk ft (bgs)	All ft	WR ft	FR ft	Bedrock Elevation	Lithological Notes		
32S/33E-19G1	594134.82	1859044.57	3940	9/77	261	261	6.625	50	D	161-261	161	261	3779	3679	ALL	160	160		261									Cly, grvl.	
32S/33E-19H1	594384.40	1860135.73	3925	3/60	192	192	10	N	IR/D	72-188	72	188	3853	3737	ALL	70	70		190	192			190				3735	snd cly and grvl, rk at base.	
32S/33E-19H2	594837.59	1859798.04	3910	5/61	171	164	10	N	AB	50-164	50	164	3860	3746	ALL	70	70		133	164	164	171	133	31	0		3777	snd cly and grvl, rk at base.	
32S/33E-19H3	594414.22	1859391.69	3925	7/58	150	150	10	N	D	50-150	50	150	3875	3775	ALL	35	35		150									snd cly and grvl.	
32S/33E-19H5	594152.04	1860311.79	3925	2/79	204	204	8	50	D	120-204	120	204	3805	3721	ALL	145	145		190	204			190			3735	snd cly and grvl, d rk, rk at base.		
32S/33E-19J3	593152.49	1860337.38	3965	2/79	232	223	8	50	D	163-223	163	223	3802	3742	ALL				215	230	230	232	215	15	0	3750	snd cly and grvl, rk at base.		
32S/33E-19K1	593849.86	1858218.98	3960	7/53	206	206	10	N	I	92-200	92	200	3868	3760	ALL	75	75		206									cly and snd cly.	
32S/33E-19K2	593568.13	1857799.85	3965	6/57	222	222	10	N	D	102-222	102	222	3863	3743	ALL	102	102		222									cly and snd cly.	
32S/33E-19P1	591529.64	1856937.71	4020.7	10/63	370	360	12	N	IR	234-360	234	360	3786.7	3660.7	ALL	173	173		360	370			360			3660.7	cly, snady cly and grvl, d rk at base.		
32S/33E-19P2	591670.55	1857527.19	4022.2						D																				
32S/33E-19Q1	591507.87	1858554.09	4016.3	3/55	406	392	14	3	IR	134-386	134	386	3882.3	3630.3	ALL	235	235		358	406			358			3658.3	Cly, snd cly, d rk.		
32S/33E-19Q2	591618.27	1858195.88	4012.8						D																				
32S/33E-19Q3	591611.99	1857879.65	4014.1						D																				
32S/33E-19Q4	591518.09	1858006.97	3992	8/50	252	252	10	N	D	152-246	152	246	3840	3746	ALL	135	135		252										cly and snd cly.
32S/33E-19R2	591629.76	1859102.77	4011.3	2/53	300	300	10	N	IR/D	132-294	132	294	3879.3	3717.3	ALL	122	122		300										cly and snd cly.
32S/33E-19R3	591614.52	1859618.01	4001.9				10																						
32S/33E-19R4	591525.85	1859783.21	4007	8/54	240	240	10	N	D	138-234	138	234	3869	3773	ALL	128	128		240										cly and snd cly.
32S/33E-19R5	591564.33	1860166.46	4002.4	9/56	252	252	10	N	D	140-246	140	246	3862.4	3756.4	ALL	138	138		252										cly and snd cly.
32S/33E-19R6	592278.03	1859779.95	3986.8						D																				
32S/33E-20D1	596455.06	1861608.28	3918	3/53	82	84	10	N	IR	22-82	22	82	3898	3838	ALL/RK	20	20		46	92			46				3874	Cly, grvl-cly, d rk.	
32S/33E-20J1	-	-	3970	12/52	344	341	14	N	M	80-335	80	335	3890	3635	ALL/RK	80	80		312	342	342	344	312	30	0	3658	Cly, grvl-cly, snd and grvland d rk.		
32S/33E-20M1	-	-	3970	8/77	260	264	6	50	D	164-264	164	264	3806	3706	ALL/RK	200	170		260									Cly, grvl.	
32S/33E-20N2	591516.10	1861636.15	4003.6	11/58	250	259	7	N	D	165-250	165	250	3838.6	3753.6	ALL/RK	155	155		250									Cly, snd cly and grvl.	
32S/33E-20N3	591792.38	1861702.97	3998.2						IR																				
32S/33E-20N4	591612.36	1861028.06	3997.7						D																				
32S/33E-20N5	591726.75	1860853.98	3999.5						D																				
32S/33E-20N6	591588.05	1860588.26	3995						D																				
32S/33E-20N7	591732.75	1860669.51	3995	8/77	260	260	6	50	D	164-260	164	260	3831	3735	ALL	200	170		260									Cly, snd cly and grvl.	
32S/33E-20P1	591575.68	1862299.08	3983.5	7/55	294	294	10	N	D	114-288	114	288	3869.5	3695.5	ALL	110	103		293	294	294	294	293	1	0	3690.5	Cly, snd cly and grvl, base Rk		
32S/33E-20P3	592246.03	1862671.10	3986.1																										
32S/33E-20P4	591634.50	1863000.09	3995.4	5/55	235	235	10	3	D	133-229	133	229	3862.4	3766.4	ALL	125	125		235										Cly, snd cly and grvl.
32S/33E-20P5	591810.78	1862637.66	3994.6	9/57	255	255	10	N	D	153-255	153	255	3841.6	3739.6	ALL	148	148		255										Cly, snd cly and grvl.
32S/33E-20P6	591631.84	1862118.94	3996	8/53	205	205	10	N	D	128-198	128	198	3868	3798	ALL	120	120		205										Cly and snd cly.
32S/33E-20P7	592007.12	1862092.30	3980.9	8/57	252	242	10	N	D	124-242	124	242	3856.9	3738.9	ALL	125	125		252										Cly and snd cly.
32S/33E-20R1	591505.38	1864935.16	4004.6	2/66	444				IR																				
32S/33E-21E2	-	-	3970			297	16		D																				
32S/33E-21L1	592840.12	1867279.64	4000			109	12		M																				Cly, cly and rk.
32S/33E-21L2	592809.77	1867761.33	4000.7						M																				
32S/33E-21K1	592801.90	1869241.68	4007.6						M																				
32S/33E-21P1	591493.38	1868318.32	4030.4																										
32S/33E-21R2	592222.22	1870933.63	4027	9/72	550	546	14	82	D	267-546	267	546	3760	3481	ALL				550										Snd, grvl, snd cly, cemtd sd.
32S/33E-21R3	592191.10	1869839.03	4025	10/83	463	463	6.625	50	D	113-463	113	463	3912	3562	ALL				463										Cly, grvl and snd.
32S/33E-22E3	594120.79	1872451.91	4008.5	5/48	90	90	10		AB								66.5												
32S/33E-22H1	594224.91	1875837.18	4025	5/51	112	NA	8	N	IR							65	65		57	82	82	112	57	25	0	3968	Cly, d rk, Rk.		
32S/33E-22H2	594176.24	1875201.92	4025	6/51	210	210	10	N	IR	72-204	72	204	3953	3821	ALL/RK	59	59		114	204	204	210	114	90	0	3911	Cly, rk, d rk and rk.		
32S/33E-22J1	592914.42	1876267.79	4037			320			IR																				
32S/33E-22J2	592996.34	1875772.34	4036	5/64	324	324	10	3	IR	108-306	108	306	3928	3730	ALL	120	120		310	324			310				3726	snd cly, cly, d rk.	
32S/33E-22M1	593329.87	1871202.71	4017	1/59	204	204	10	N	D	100-204	100	204	3917	3813	ALL	90	90		204										Cly, snd cly.
32S/33E-22M2	593024.47	1871409.26	4020	3/55	300	297	10	N	D	105-291	105	291	3915	3729	ALL	84	84		300										Cly, snd cly.
32S/33E-22M3	593998.61	1871586.8	4007	5/48	567	567	16	</																					



Table 3: Well Information for the Tehachapi Basin

Well Location			Elevation and Installation Details							Screen and Producing Formation							Depth of Geological Boundaries and Lithology											
State Well No	Northing	Easting	Elevation Wellhead	Date Drilled	Boring TD	Depth of Well	Casing Diameter	Depth of Seal	Well Use	Screened Interval	Top of Screen BGS	Bottom of Screen BGS	Top of Screen AMSL	Bot of Screen AMSL	Aquifer*	WL First	Water Level Completed	Well Yield	ALL/dRk ft (bgs)	Dec Rk ft (bgs)	Frac Rk ft (bgs)	Hard Rk ft (bgs)	All ft	WR ft	FR ft	Bedrock Elevation	Lithological Notes	
32S/33E-26E1	589971.49	1877626.51	4058.5																									
32S/33E-26G1	589918.68	1879078.33	4051.1	9/52	206	206	8	N	IR	110-204	110	204	3941.1	3847.1	ALL	82	82		206									Cly, snady cly, grvl.
32S/33E-26G3	588952.57	1880070.16	4060																									
32S/33E-26H1	-	-	4040	11/90	430	430	6	50	D	300-430	300	430	3740	3610	ALL/RK				406	430			406				3634	cly, grvl, d grt.
32S/33E-26P2	586177.78	1878294.83	4122	12/54	547	532	7		IR	277-516	277	516	3845	3606	ALL/RK				528	528	528	547	528	0	0	3594	cly, snd cly, grvl, grt.	
32S/33E-26R1	586179.72	1881244.92	4097.4																									
32S/33E-27D2	591270.97	1871322.01	4050	8/52	252	252	10	N	D	132-246	132	246	3918	3804	ALL	125	125		252									cly, snd cly.
32S/33E-27E1	588798.48	1871827.74	4075.5						IR																			
32S/33E-27G1	588821.96	1873779.70	4105	6/55	575	550	14		IR	266-550	266	550	3839	3555	ALL				500	500	500	575	500	0	0	3605	cly, snd cly, grvl, List Rk.	
32S/33E-27N1	586215.13	1872000.72	4131.1						IR																			
32S/33E-27N2	586196.92	1872117.50	4122		659	555.5	14								ALL				659									cly, snd cly, grvl, cly.
32S/33E-27Q1	587331.61	1873847.83	4112						IR																			
32S/33E-28A1	591392.49	1869829.83	4034.7	3/60	501	501	14	N	IR	200-501	200	501	3834.7	3533.7	ALL	192	217		501									cly, snd cly, grvl, cly with rks.
32S/33E-28B1	590212.05	1869030.34	4057.1						IR																			
32S/33E-28C1	590164.64	1868310.92	4054.4						IR																			
32S/33E-28E1	588851.47	1866937.08	4073.3	3/57	550	550	12	N	D	203-550	203	550	3870.3	3523.3	ALL	203	203		550									cly, silt.
32S/33E-28E2	590068.57	1867018.33	4049.2	11/60	538	538	12	N	IR	414-538	414	538	3635.2	3511.2	ALL	238	238		538									cly.
32S/33E-28G1	588821.43	1869273.37	4086.4						IR																			
32S/33E-28J1	588827.48	1870320.64	4087						IR																			
32S/33E-28K1	588252.74	1869582.80	4104						IR																			
32S/33E-28M1	588743.35	1866319.84	4074.5						IR																			
32S/33E-28P1	587280.62	1867298.33	4119.1	2/60	501	501	12	N	IR	267-495	267	495	3852.1	3624.1	ALL	267	240		501									cly, snd cly, cly.
32S/33E-29C3	591338.34	1862014.65	4009.7	8/64	352	352	10	50	D	200-300	200	300	3809.7	3709.7	All				352									Alt cly and snd clys
32S/33E-29C4	591329.44	1861802.65	4007.4	8/63	300	300	10	80	D	200-300	200	300	3807.4	3707.4	All		180		300									Alt cly and snd clys
32S/33E-29C5	590186.03	1862572.12	4033.5	9/56	300	300	10	50	D	198-294	198	294	3835.5	3739.5	All		195		300									Alt cly and snd clys
32S/33E-29C6	590195.75	1861886.83	4030	9/71	324	320	10	50	D	240-320	240	320	3790	3710	All		240		324									Alt cly and snd clys
32S/33E-29D1	590203.17	1861684.30	4030	4/70	204		10		AB	90-240	90	240	3940	3790	ALL				204									Al cly and snd clys
32S/33E-29D2	591338.27	1861582.04	4008						AB																			
32S/33E-29D3	591293.51	1861313.17	4008.3	8/63	354	348	10	50		180-348	180	348	3828.3	3660.3	All		173		354									Alt cly and snd clys, cly/rk at bott
32S/33E-29D4	591311.02	1860805.87	4005.7		202	202	8	50	D	100-200	100	200	3905.7	3805.7	ALL													Alt cly and snd clys.
32S/33E-29D5	591181.77	1860830.24	4006.3	2/53					D								122											
32S/33E-29D6	590167.72	1861086.65	4020						D																			
32S/33E-29G1	588835.10	1863174.33	4071.9																									
32S/33E-29H2	588848.26	1865300.88	4068.5																									
32S/33E-29J2	588713.30	1864596.42	4070.8	11/50	540	540	14		IR	190-540	190	540	3880.8	3530.8	ALL		190		535	540			535			3535.8	Alt cly and snd clys. d rk at base.	
32S/33E-29K1	588668.19	1864009.11	4069.1						IR																			
32S/33E-29P1	586156.86	1861906.47	4175		288	288	12	N	IR	200-212	200	212	3975	3963	ALL		125											
32S/33E-29P2	587355.41	1862032.41	4125		504	498	10	N	IR	90-498	90	498	4035	3627	ALL		88		504									Alt cly and snd clys.
32S/33E-29P3	586213.50	1862233.03	4183		300	296	8		D	158-296	158	296	4026	3888	ALL		150		300									Alt cly and snd clys.
32S/33E-29P4	587258.99	1862328.06	4128	6/65	402	402	12	N	IR								133		402									Alt cly and snd clys.
32S/33E-29Q1	586550.03	1863044.87	4155	10/56	472	466	12		IR	132-466	132	466	4023	3689	ALL		123		472				472					Alt cly and snd clys, cly/rk at bott
32S/33E-30A1	590198.96	1859525.40	4035		300		12		AB										300					300				Alt cly and snd clys.
32S/33E-30A2	591167.55	1859655.06	4016.5			252	10		D																			
32S/33E-30A3	591280.08	1859116.53	4017.9			324			D																			
32S/33E-30B1	590192.80	1858351.96	4067.4																									
32S/33E-30B2	590176.68	1857917.89	4075.8	5/55	300	294	10	N	D	192-294	192	294	3883.8	3781.8	ALL		185		300				300					Alt cly and snd clys.
32S/33E-30B3	590649.06	1858354.64	4050.2																									
32S/33E-30B4	591271.61	1857995.23	4025.6	12/64	300	294	10	50	D	190-294	190	294	3835.6	3731.6	ALL		175		300									Alt cly and snd clys.
32S/33E-30C1	591137.99	1857239.16	4041.6	9/63	324	324	10		D	174-310	174	310	3867.9	3731.9														
32S/33E-30C2	590206.33	1857236.70	4080.8	2/53	300	300	12	N	IR	120-294	120	294	3960.8	3786.8	ALL		105											Alt cly and snd clys.
32S/33E-30C3	590194.69	1857364.51	4083.9						IR/D																			
32S/33E-30E1	588823.25	1856105.59	4158.6	12/68	302	302	10	N	D								250		302									Alt cly and snd clys, cly/rk at bott
32S/33E-30F1	588839.77	1856874.91	4141.2						IR																			
32S/33E-30F2	588846.21	1857095.27	4138.1	7/52	222	222	10		IR	120-216	120	216	4018.1	3922.1	ALL		120		222									Alt cly and snd clys.
32S/33E-30F3	589462.56	1857553.35	4111.1	7/53	300	300	10	N	IR	120-294	120	294	3991.1	3817.1	ALL		90		300									Alt cly and snd clys.
32S/33E-30H1	589864.02	1860299.74	4054.6						IR/D																			
32S/33E-30H2	589128.33	1859825.77	4085.9						AB																			
32S/33E-30K1	588647.14	1858011.38	4123.8		499	488	14		IR			402		3721.8			1000		499	499			499			3624.8	Alt cly and snd clys. dec rk at base.	
32S/33E-30L1	588597.17	1856765.70	4150.9		177	177	8		AB	135-177	135	177	4015.9	3973.9	ALL		125		177									Alt cly and snd clys.
32S/33E-30Q1	586358.99	1857725.80	4204.8	5/48	400		12		IR								113.5		400									Alt cly and snd clys.

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Well Location			Elevation and Installation Details							Screen and Producing Formation								Depth of Geological Boundaries and Lithology										
State Well No	Northing	Easting	Elevation Wellhead	Date Drilled	Boring TD	Depth of Well	Casing Diameter	Depth of Seal	Well Use	Screened Interval	Top of Screen BGS	Bottom of Screen BGS	Top of Screen AMSL	Bot of Screen AMSL	Aquifer*	WL First	Water Level Completed	Well Yield	ALL/dRk ft (bgs)	Dec Rk ft (bgs)	Frac Rk ft (bgs)	Hard Rk ft (bgs)	All ft	WR ft	FR ft	Bedrock Elevation	Lithological Notes	
32S/33E-30R1	586160.91	1860185.92	4169.7	5/55	589	583	14		IR	445-583	455	583	3714.7	3586.7	ALL		135		582	589							4169.7	Alt cly and snd clys. dec rk at base.
32S/33E-30	-	-	4120	11/96	317	317	6.75			100-317	100	317	4020	3803	ALL				317				317				3803	Alt cly and snd clys. rk at base.
32S/33E-30	-	-	4120	11/96	482	480	6.75			100-480	100	480	4020	3640	ALL				460			482	460				3660	Alt cly and snd clys. rk at base (all colors).
32S/33E-30	-	-	4120	11/96	500	500	6.75			180-340	180	340	3940	3780	ALL				400			500	400				3720	Alt cly and snd clys. rk at base (grey).
32S/33E-31C1	585310.25	1857530.74	4280	6/77	320	200	6	50	D	100-200	100	200	4180	4080	RK	135	40		60	65	65	320	60	5	0	4220	cly. grt.	
32S/33E-31C2	585559.04	1856959.72	4250	10/87	225	225	6	50	D	100-225	100	225	4150	4025	RK	200	75	20	80	147	200	225	80	67	53	4170	cly. grt.	
32S/33E-31D1	584859.50	1855942.37	4360	10/86	240	240	6	50	D	140-240	140	240	4220	4120	RK	200	110	60	80	160	201	240	80	80	41	4280	cly. grt.	
32S/33E-31D2	584967.93	1855646.44	4360	8/79	223	223	6	50	D	200-223	200	223	4160	4137	RK	220	165		150	150	200	223	150	0	50	4210	cly. grt.	
32S/33E-31D3	-	-	4360	3/89	350	350	6	50	D	250-350	250	350	4110	4010	RK	247	230	35	240	240	328	350	240	0	88	4120	cly. list, grt and quartz shl.	
32S/33E-31F1	583976.62	1856560.53	4700	3/83	350	350	6	50	D	250-350	250	350	4450	4350	RK	287	140		220				220			4480	snd cly, sndst, cly, grt, cal and snds and grvl	
32S/33E-31M1	583127.26	1855166.29	4560	5/82	465	435	6	50	D	335-435	335	435	4225	4125	RK	405	340		0	365	448	465	0	365	83		snd, List, Grt.	
32S/33E-31N1	-	-	5000	9/74	200	200	6	50	D	80-200	80	200	4920	4800	RK	80	80		0	140	140	200	0	140	0		grt. with cly 60-140, grt	
32S/33E-31P1	-	-	5100	10/76	400	384	6	50	D	264-384	264	384	4836	4716	RK	213	95		105	107	107	400	105	2	0	4995	cly.grt with couple of frac zones	
32S/33E-31P2	-	-	5100	9/74	400				D							Dry	Dry									5100		
32S/33E-32B2	585892.18	1863487.58	4190	10/96	360	355	6	40	D	255-355	255	355	3935	3835	ALL	200	180	10				360					cly, grvl and snd.	
32S/33E-32L1	583038.84	1861819.04	4370	2/87	275	275	6	52	D	175-275	175	275	4195	4095	RK	160	110	10	143	157	275		143	14		4227		
32S/33E-33D1	585834.75	1866519.78	4180	6/86	405	397	6	50	D	300-397	300	397	3880	3783	ALL	290	290	20	405								cly, grvl, snd.	
32S/33E-33K1	583180.03	1868804.13	4315	2/88	400	400	6	50	D	250-400	250	400	4065	3915	ALL	255	240	7	397								cly, grvl.	
32S/33E-34D1	586214.95	1870966.51	4145	11/84	500	470	6	50	D	300-470	300	470	3845	3675	ALL	300	300		500								cly	
32S/33E-34K1	583977.24	1873689.05	4180		600	525	14		D	?-525	425	525	3755	3655	ALL				600								cly, snd cly.	
32S/33E-35A2	585723.27	1881482.58	4195						AB																	4195		
32S/33E-36C1	585844.59	1884166.28	4040	10/47	408	405	16		IR	105-405	105	405	3935	3635	ALL			1500	405	408			405			3635	cly, grvl cly, rk at bott.	
32S/33E-36L1	582744.30	1884500.54	4140	10/47	350		14		IR									75	195	195	195	350	195	0	0	3945	snd, snd cly and rk at bott.	
32S/34E-6F1	610434.3	1889898.72	4580	12/86	425	420	6	64	D	300-425	300	425	4280	4155	RK	273	100	5	273	273	403	425	273	0	130	4307	cly, shl and grt.	
32S/34E-6K1	609523.12	1891103.01	4500	6/87	398	398	6.625	45	D	300-398	300	398	4200	4102	ALL	210	160	3	398								List, cly, grvl.	
32S/34E-6N1	608283.43	1887990.25	4420	10/86	280	270	6.625	48	D	170-270	170	270	4250	4150	List/Sh	50	40	10	20	20	260		20	0		4400	cly, List, shl.	
32S/34E-6N2	607888.93	1887548.88	4390	10/86	160	160	6.625	42	D	60-160	60	160	4330	4230	List/Sh	51	49	50	0	20	160	160	0	20		4390	Grt, List, shl.	
32S/34E-18A1	601612.27	1892460.53	4338	8/77	400	400	6.625	50	D	200-400	200	400	4138	3938	List/RK	233	50	10	233	233	389	400	233	0	156	4105	Cly, List, Grt.	
32S/34E-21R1	591561.65	1902522.16	4000	8/77	400				T							Dry	Dry									4000		
32S/34E-28A1	589971.03	1902337.30	3955	8/68	122				T										122								122	snd silt, Silty snd.
32S/34E-28Q1	586983.72	1900855.52	3920	5/48	180		24		IR									1500									3920	
32S/34E-28R1	586285.42	1902084.70	3940	9/51	362	198	8		T	130-198	120	198	3820	3742					230	230	230	362	230	0	0	3710	snds and grvls, weithd grt. grt.	
32S/34E-28R2	586286.03	1902164.79	3940						T							15	34		349	362			349	13			3591	
32S/34E-29-P1	586260.59	1894002.16	3930	3/52	265														265				265					snds and grvls.
32S/34E-30-E1	588761.98	1887004.32	3970	5/56	180	174	12	50	D	84-174	84	174	3886	3796	ALL	115	115		177	180			177	3		3793	cly, grvl and bedrk at the base.	
32S/34E-30-J1	587409.11	1891606.22	3930	1/56	175	170	12	N	IR	38-169	38	169	3892	3761	ALL	30	30		175				175				cly and grvls.	
32S/34E-30-K1	587436.57	1890113.20	3940																									No log
32S/34E-30-M1	587523.02	1886927.81	3970	8/49	260				IR								51		256	256	256	260	256	0	0	3714	snds and grvls, base rk.	
32S/34E-30-N1	585974.26	1887845.11	3980	3/60	252	250	14		I	144-246	144	246	3836	3734	ALL	157	157		250	252			250	2		3730	snds and grvls, base dec rk.	
32S/34E-30-Q1	586044.70	1889641.27	3960	7/54	226	217	12	N	IR	30-211	30	211	3930	3749	ALL	78	78	650	216	226			216	10		3744	snds and grvls, base dec rk.	
32S/34E-30-R1	586822.95	1890993.04	3940																361				361					snds and grvls.
32S/34E-31-D1	585657.23	1886894.41	4002	8/49	275	269	14		IR	50-269	50	269	3952	3733	ALL		80		269	272	272	275	269	3	0	3733		
32S/34E-34-B1	584801.43	1906284.43	3930	9/63	188	188	10		IR/D	137-188	137	188	3793	3742	ALL	75	67		153	188			153	35		3777	cly, snd, grvl and grt at base.	
12N/14W-31G1	578848.33	1879011.94	4350	11/83	300	300	6.625	N	D	260-300	260	300	4090	4050	RK	220	45		100	100	300	100				4250	Snd-grvls, cl, rk, snd, grt, snd/rk.	
12N/14W-31B1	580678.14	1879230.81	4320	8/83	223	223	6.625	50	D	80-223	80	223	4240	4097	ALL/RK	80	15	60	167	167	223	167				4153	Cly, snd/grvls, d grt, snd grvl, d grt.	
12N/14W-31E1	-	-	4360	7/86	140	140	6.625	50	D	55-140	55	140	4305	4220	RK	80	80	60	15	15	140	15				4345	Cly, grt, gvl, grt.	
12N/14W-36M1	577486.87	1871294.79	4720	4/86	3																							



Table 4: Soil Characteristics for Tehachapi Basin

Soil Series	Physiographic Group	Proportion of Basin/Watershed	Hydrologic Group	Texture	SCS Permeability (inches/hour)	Infiltrometer K (inches/hour)
Tehachapi	Low terraces	Major	D	Loam, Sandy clay, clay pan	0.8-2.5	1.7
Chualar	Low terraces	Major	-	-	-	-
Visalia	Alluvial Fans, Floodplains	Intermediate	C	Sandy Loam, Granite stones	2.5-5.0	1.48
Oakdale	Alluvial Fans, Floodplains	Intermediate	C	Sandy Loam	0.8-5.0	0.77
Auberry	Uplands	Minor	B	Loam, Clay Loam	0.8-5.0	6.35
La Posta	Uplands	Minor	A	Gravelly loamy sand	5.0-10.0	7.95
Monolith	Uplands	Minor	B	Gravelly loam	0.8-2.5	5.13
Coarsegold	Uplands	Minor	B	Gravelly loam	0.8-2.5	13.95
Brite	High Terrace	Minor	-	Clay Loam	-	-
Mixed Alluvial - Tujunga	Uplands	Minor	A	Loamy coarse sand	5-10	6.1
Rock Land	Miscellaneous	Minor	-	Gravelly	-	-

Note: Data from TSCD, 1969

Table 5: Aquifer Transmissivity Data for Tehachapi Basin

Well Number	Date	Drawdown (s) in feet	Pump Rate (Q) in gpm	Specific Capacity (Q/s) in gpm/ft	Transmissivity (Q/s x 1500) in gpd/ft
32S/32E-25A1	8/3/1960	133.9	30.4	0.2	341
32S/32E-24P1	8/21/1963	98.5	19	0.2	289
32S/32E-25N1	7/11/1967	9.9	45.1	4.6	6,833
32S/32E-35C1	7/15/1968	42.7	209	4.9	7,342
32S/32E-35C1	6/30/1971	35	200	5.7	8,571
32S/33E-21K1	6/12/1968	41.8	710	17.0	25,478
32S/33E-21K1	9/24/1969	22.6	505	22.3	33,518
32S/33E-21K1	10/6/1970	23.6	441	18.7	28,030
32S/33E-21K1	7/30/1971	27.6	572	20.7	31,087
32S/33E/19C1	10/19/1965	14.1	128	9.1	13,617
32S/33E/-19H1	10/4/1974	8.6	41	4.8	7,151
32S/33E/-19Q1	3/1/1972	18.1	136	7.5	11,271
32S/33E/-19Q4	8/5/1971	3.6	35.7	9.9	14,875
32S/33E/-20J1	7/23/1952	11.6	315	27.2	40,733
32S/33E/-20J1	6/12/1968	20.4	321	15.7	23,603
32S/33E/-20J1	2/10/1969	28.6	441	15.4	23,129
32S/33E/-20J1	9/24/1969	29.7	327	11.0	16,515
32S/33E/-20J1	10/6/1970	44	388	8.8	13,227
32S/33E/-20J1	7/30/1971	48.4	408	8.4	12,645
32S/33E/-20P1	10/4/1974	1.7	23	13.5	20,294
32S/33E/-20P3	5/23/1963	3.9	51	13.1	19,615
32S/33E/-20R1	7/16/1968	102.4	64.8	0.6	949
32S/33E/-20R1	6/30/1971	105.6	62.2	0.6	884
32S/33E/-21E2	10/30/1969	55.6	73.9	1.3	1,994
32S/33E/-21L3	7/30/1971	36	330	9.2	13,750
32S/33E/-21L2	10/6/1970	19	301	15.8	23,763
32S/33E/-21L2	6/12/1998	23	591	25.7	38,543
32S/33E/-21L2	2/10/1969	13.4	563	42.0	63,022
32S/33E/-21N1	7/30/1971	31.1	370	11.9	17,846
32S/33E/-21P1	8/7/1963	27.2	591	21.7	32,592
32S/33E/-21J1	10/4/1967	13.6	25.9	1.9	2,857
32S/33E/-21J1	6/26/1952	109	179	1.6	2,463
32S/33E/-22M3	7/17/1968	94.8	111	1.2	1,756
32S/33E/-22M3	3/26/1972	96	151	1.6	2,359
32S/33E/-22N1	8/5/1971	40.6	311	7.7	11,490
32S/33E/-23N2	4/24/1957	20.2	710	35.1	52,723
32S/33E/-23N2	7/27/1961	21.5	515	24.0	35,930
32S/33E/-22P1	9/24/1959	26.5	233	8.8	13,189
32S/33E/-25E1	10/25/1960	46.8	622	13.3	19,936
32S/33E/-25E1	3/1/1961	75.8	741	9.8	14,664
32S/33E/-25N1	10/26/1960	63.1	978	15.5	23,249
32S/33E/-25N1	3/1/1961	65.7	999	15.2	22,808
32S/33E/-25N1	7/11/1961	63.8	992	15.5	23,323
32S/33E/-25Q1	7/16/1968	28.8	693	24.1	36,094
32S/33E/-26D1	10/20/1954	99.9	292	2.9	4,384
32S/33E/-26D2	7/16/1968	10.4	594	57.1	85,673
32S/33E/-26D2	6/18/1969	12.1	599	49.5	74,256
32S/33E/-26D2	6/30/1971	12.4	557	44.9	67,379
32S/33E/-26E1	9/22/1969	12.6	479	38.0	57,024
32S/33E/-25Q1	3/1/1972	22	769	35.0	52,432
32S/33E/-26G1	4/20/1966	115.6	280	2.4	3,633





Table 5: Aquifer Transmissivity Data for Tehachapi Basin

Well Number	Date	Drawdown (s) in feet	Pump Rate (Q) in gpm	Specific Capacity (Q/s) in gpm/ft	Transmissivity (Q/s x 1500) in gpd/ft
32S/33E/-26G1	5/30/1972	102	244	2.4	3,588
32S/33E/-26G3	9/23/1969	33.2	544	16.4	24,578
32S/33E/-26G3	3/1/1972	32.4	613	18.9	28,380
32S/33E/-26M1	8/9/1956	51.4	152	3.0	4,436
32S/33E/-26M1	9/26/1961	98.7	138	1.4	2,097
32S/33E/-26P1	9/26/1961	63.4	133	2.1	3,147
32S/33E/-26R1	7/15/1968	59.6	456	7.7	11,477
32S/33E/-28A1	9/15/1965	9.6	335	34.9	52,344
32S/33E/-28A1	3/21/1971	8.7	354	40.7	61,034
32S/33E/-28B1	7/26/1961	47.2	556	11.8	17,669
32S/33E/-28B1	3/21/1971	30.8	367	11.9	17,873
32S/33E/-27N1	10/23/1967	175	538	3.1	4,611
32S/33E/-27E1	5/5/1965	91.6	587	6.4	9,612
32S/33E/-27D1	10/6/1970	24	327	13.6	20,438
32S/33E/-28E2	8/7/1963	19.9	403	20.3	30,377
32S/33E/-29J1	7/26/1961	20.2	254	12.6	18,861
32S/33E/-29J1	8/7/1963	36.3	325	9.0	13,430
32S/33E/-29J1	9/14/1964	22.3	279	12.5	18,767
32S/33E/-28J1	9/14/1965	48.2	170	3.5	5,290
32S/33E/-28J1	12/2/1959	102.2	183	1.8	2,686
32S/33E/-28J1	3/21/1971	54.8	142	2.6	3,887
32S/33E/-28K1	10/20/1954	83.3	202	2.4	3,637
32S/33E/-28K1	4/22/1965	146.4	242	1.7	2,480
32S/33E/-28G1	11/18/1958	78.2	241	3.1	4,623
32S/33E/-29H2	5/15/1957	63.5	710	11.2	16,772
32S/33E/-29H2	8/11/1960	65.4	621	9.5	14,243
32S/33E/-29H2	7/31/1961	54.6	572	10.5	15,714
32S/33E/-29H2	7/15/1968	40.9	421	10.3	15,440
32S/33E/-29H2	6/18/1969	50.6	569	11.2	16,868
32S/33E/-29J2	9/14/1965	19	254	13.4	20,053
32S/33E/-29K1	6/18/1952	18.3	538	29.4	44,098
32S/33E/-29K1	12/2/1959	28.2	536	19.0	28,511
32S/33E/-29K1	7/27/1961	23.2	394	17.0	25,474
32S/33E/-29P1	5/20/1965	49.1	107	2.2	3,269
32S/33E/-29P2	5/20/1965	110	303	2.8	4,132
32S/33E/-29P4	9/10/1965	66.2	30	0.5	680
32S/33E/-30F2	2/26/1968	12	219	18.3	27,375
32S/33E/-30F2	3/20/1974	14.5	207	14.3	21,414
32S/33E/-30F3	3/22/1974	8.2	119	14.5	21,768
32S/33E/-30H1	7/7/1975	9.6	59	6.1	9,219
32S/33E/-30K1	9/16/1964	81.2	392	4.8	7,241
32S/33E/-30K1	4/21/1966	58.4	498	8.5	12,791
32S/33E/-30R1	9/17/1964	114.8	171	1.5	2,234
32S/33E/-30R1	10/23/1967	125.8	320	2.5	3,816
32S/33E/-35A2	3/15/1957	34.6	511	14.8	22,153
32S/33E/-35A2	7/25/1957	72.7	449	6.2	9,264
32S/33E/-36C1	6/19/1952	22.1	1338	60.5	90,814
32S/33E/-36C1	5/19/1954	39.8	1093	27.5	41,193
32S/33E/-36D1	6/19/1952	30.5	114	3.7	5,607
32S/34E/-29P1	10/9/1952	173.2	337	1.9	2,919
32S/34E/-29P1	10/14/1954	125.5	225	1.8	2,689
32S/34E/-30E1	10/31/1963	24.8	3	0.1	181





Table 5: Aquifer Transmissivity Data for Tehachapi Basin

Well Number	Date	Drawdown (s) in feet	Pump Rate (Q) in gpm	Specific Capacity (Q/s) in gpm/ft	Transmissivity (Q/s x 1500) in gpd/ft
32S/34E/-30E1	8/16/1967	24	15	0.6	938
32S/34E/-30J1	5/26/1972	25.6	136	5.3	7,969
32S/34E/-30J1	6/29/1966	58.2	170	2.9	4,381
32S/34E/-30X1	5/25/1967	33.4	151	4.5	6,781
32S/34E/-30X1	7/12/1967	30.2	144	4.8	7,152
32S/34E/-30M1	6/28/1966	37.2	223	6.0	8,992
32S/34E/-30M1	5/26/1972	58.8	128	2.2	3,265
32S/34E/-30N1	5/26/1972	57.6	59.4	1.0	1,547
32S/34E/-30Q1	10/20/1954	35.5	599	16.9	25,310
32S/34E/-30Q1	4/7/1966	38.8	401	10.3	15,503
32S/34E/-30Q1	5/26/1972	31.4	113	3.6	5,398
32S/34E/-30Q2	5/26/1972	44.4	136	3.1	4,595
32S/34E/-30R1	4/7/1966	10.2	211	20.7	31,029
32S/34E/-30R1	5/26/1972	86.2	158	1.8	2,749
32S/34E/-31D1	4/6/1966	33.8	163	4.8	7,234
Averages		48.4	346	12.1	18163



Table 6: Summary of Groundwater Recharge and Discharge Components by Year

Water Year	Rainfall		Components of Inflow									Components of Outflow				Change in Storage		
	Inches	Percent of Annual Average	Subsurface Inflow	Percolation of Wastewater Discharge in Ponds	Percolation of Wastewater Discharge Irrigation	Percolation of Wastewater Discharge Domestic	Streambed Percolation and Conveyance Losses	Percolation of Recharge Basins	Percolation of Pumped Agr. Irrigation	Percolation of Imported Agr. Irrigation	Percolation of Precipitation	Total Inflow	Groundwater Pumpage		Subsurface Outflow		Total Outflow	Inventory Method
													M & I	Irrigated Gross Agriculture		Acre Feet		
Acre Feet	Acre Feet	Acre Feet	Acre Feet	Acre Feet	Acre Feet	Acre Feet	Acre Feet	Acre Feet	Acre Feet	Acre Feet	Acre Feet	Acre Feet	Acre Feet	Acre Feet	Acre Feet	Acre Feet	Acre Feet	Acre Feet
			IN	IN	IN	IN	IN	IN	IN	IN	IN	(1+2+3+4+5+6+7+8+9)	OUT	OUT	OUT	(11+12+13)	(10-14)	
1986	10.7	89%	885	371	35	415	320	0	62	138	1560	3786	1911	415	40	2367	1419	
1987	9.0	75%	885	406	38	312	123	0	56	149	1197	3166	1819	375	40	2234	932	
1988	11.3	94%	885	420	39	303	101	0	83	181	1597	3610	2004	556	40	2599	1011	
1989	7.1	59%	885	469	44	237	48	0	77	149	980	2889	2129	511	40	2680	209	
1990	6.4	53%	885	511	48	351	156	0	64	63	472	2549	2891	425	40	3356	-808	
1991	10.7	89%	885	511	48	427	436	0	64	82	1560	4012	2628	424	40	3092	920	
1992	12.8	106%	885	511	48	466	453	0	62	65	2322	4812	2693	415	40	3148	1664	
1993	18.3	152%	885	511	48	509	3000	0	60	71	3084	8168	3037	401	40	3478	4690	
1994	8.2	68%	885	483	45	301	32	200	52	210	1125	3333	2201	344	40	2584	749	
1995	21.9	182%	885	469	44	501	3000	214	120	250	3375	8857	2335	797	40	3172	5684	
1996	13.2	110%	885	469	44	844	73	330	48	339	2504	5535	3429	319	40	3787	1748	
1997	10.4	86%	885	462	43	849	797	364	45	371	1306	5121	3318	299	40	3658	1464	
1998	23.8	198%	885	546	51	720	3000	276	43	287	5189	10997	3015	290	40	3344	7652	
1999	8.3	69%	885	490	46	761	2488	300	30	357	1161	6516	2941	197	40	3178	3338	
2000	10.2	85%	885	392	36	831	161	254	25	255	1234	4073	3247	165	40	3453	620	
2001	14.0	116%	885	399	37	807	3000	251	24	128	2721	8253	3192	161	40	3393	4860	
2002	8.4	70%	885	518	48	891	34	250	24	147	1197	3993	3421	157	40	3618	376	
2003	11.8	98%	885	546	51	869	53	196	23	221	1705	4549	3400	153	40	3593	956	
2004	12.1	101%	885	567	53	928	150	484	116	107	1996	5286	3702	771	40	4513	773	
High	23.8	198%	885	567	53	928	3000	484	120	371	5189	10997	3702	797	40	4513	7652	
Low	6.4	53%	885	371	35	237	32	0	23	63	472	2549	1819	153	40	2234	-808	
19-Year Average	12.0	100%	885	476	44	596	917	164	57	188	1910	5237	2806	378	40	3223	2014	
Percentage of Total			17%	9%	1%	11%	18%	3%	1%	4%	36%		87%	12%	1%			





Table 7: Stream Flow for Tehachapi Creek 1963-2005

Year	Oct (AFT)	Nov (AFT)	Dec (AFT)	Jan (AFT)	Feb (AFT)	Mar (AFT)	Apr (AFT)	May (AFT)	Jun (AFT)	Jul (AFT)	Aug (AFT)	Sep (AFT)	Total (AFT)	Rank
1963	2.4	0.8	6.1	6.1	5.6	6.8	6.5	6.1	3.2	0.0	158.6	4.2	206	17
1964	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	1
1965	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	1
1966	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	2	3
1967	0.0	0.0	25.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27	4
1968	1.2	0.8	1.2	2.3	2.8	7.4	6.5	7.4	1.7	0.2	1.3	0.7	33	7
1969	1.0	1.0	1.7	67.6	571.9	348.6	37.5	2.2	2.5	2.8	1.7	2.4	1041	30
1970	3.1	3.9	3.9	43.6	43.3	45.5	24.4	22.1	19.6	3.6	1.7	1.8	217	18
1971	1.8	247.5	16.6	43.6	17.2	43.0	52.9	11.1	7.1	1.1	1.1	1.0	444	23
1972	1.1	2.6	13.5	19.1	17.2	9.2	5.8	5.1	2.7	2.1	0.7	0.6	80	12
1973	1.2	1.5	76.2	116.2	137.1	418.6	67.8	45.5	10.1	2.0	3.3	1.2	881	28
1974	1.8	11.9	27.0	136.5	47.8	76.8	146.3	55.3	23.2	6.1	1.5	0.9	535	24
1975	3.1	1.0	2.8	6.8	4.5	16.0	32.1	6.8	3.0	5.5	1.5	0.7	84	14
1976	1.0	0.9	1.8	2.4	3.3	12.9	4.6	2.5	1.1	0.0	0.0	0.5	31	5
1977	1.2	1.5	1.7	2.7	1.8	3.3	2.6	15.4	2.3	0.4	0.3	0.1	33	7
1978	0.9	1.7	2.3	5.1	838.4	526.2	199.3	32.0	5.2	3.6	0.4	0.8	1616	31
1979	1.1	1.6	1.1	9.8	102.2	132.8	53.5	17.8	3.8	1.8	1.4	1.8	329	20
1980	1.7	1.8	3.5	42.4	189.9	104.5	24.4	9.2	11.9	6.8	3.0	0.7	400	21
1981	1.5	2.1	2.0	1.2	1.6	20.9	12.5	11.7	2.3	1.3	0.7	4.6	62	11
1982	5.8	2.3	3.6	23.4	13.3	188.1	416.4	26.4	12.5	2.8	4.5	2.3	702	25
1983	2.6	14.3	20.3	185.0	222.7	8667.7	832.9	432.8	160.6	105.1	65.2	60.7	10770	36
1984	48.6	137.4	320.3	167.8	121.0	72.5	78.5	33.2	11.9	6.8	7.4	6.5	1012	29
1985	5.1	10.1	30.7	47.3	63.9	61.5	42.2	27.0	5.8	2.6	1.4	1.1	299	19
1990	1.0	3.0	3.0	5.0	69.0	21.0	1.0	10.0	28.0	7.0	1.0	4.0	153	16
1991	1.0	1.0	1.0	14.0	45.0	330.0	30.0	2.0	1.0	1.0	1.0	1.0	428	22
1993	6.0	6.0	6.0	1654.0	1906.0	67.0	6.0	6.0	6.0	6.0	6.0	6.0	3681	33
1994	0.0	0.0	0.0	6.0	6.0	6.0	6.0	6.0	1.0	0.0	0.0	0.0	31	5
1995	92.0	89.0	92.0	2611.0	672.0	4576.0	1508.0	878.0	583.0	269.0	103.0	89.0	11562	37
1996	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	72	13
1997	40.0	4.0	9.0	49.0	95.0	83.0	40.0	41.0	67.0	87.0	138.0	129.0	782	26
1998	0.0	5.0	0.0	120.0	4437.0	783.0	900.0	110.0	29.0	31.0	63.0	3.0	6481	35
1999	55.0	82.0	114.0	732.0	177.0	118.0	367.0	100.0	189.0	280.0	130.0	97.0	2441	32
2000	1.0	1.0	1.0	11.0	110.0	24.0	5.0	1.0	1.0	1.0	1.0	1.0	158	16
2001	1.0	8.0	1.0	1.0	549.0	2498.0	2354.0	566.0	88.0	306.0	1.0	1.0	6374	34
2002	1.0	13.0	10.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	33	7
2003	1.0	1.0	1.0	3.0	2.0	1.0	1.0	38.0	1.0	1.0	1.0	1.0	52	10
2004	13.0	1.0	81.0	3.0	39.0	4.0	1.0	1.0	1.0	1.0	1.0	1.0	147	15
2005	1.0	1.0	1.0	284.0	532.0	9.0	1.0	1.0	1.0	1.0	1.0	1.0	834	27
Mean	8	18	23	169	291	508	191	67	34	30	19	11	1406	



**Table 8: Groundwater Pumping
Summary for Tehachapi Basin**

Year	Ag Ac Ft	Muni Ac Ft	Total Ac Ft
1986	415	1,911	2,327
1987	375	1,819	2,194
1988	556	2,004	2,559
1989	511	2,129	2,640
1990	425	2,891	3,316
1991	424	2,628	3,052
1992	415	2,693	3,108
1993	401	3,037	3,438
1994	344	2,201	2,544
1995	797	2,335	3,132
1996	319	3,429	3,747
1997	299	3,318	3,618
1998	290	3,015	3,304
1999	197	2,941	3,138
2000	165	3,247	3,413
2001	161	3,192	3,353
2002	157	3,421	3,578
2003	153	3,400	3,553
2004	771	3,702	4,473
Total	7,174	53,312	60,486
Average	378	2,806	3,183

Notes:

Volumes are metered and Unmetered

Years are by water year - Oct to Sept

Table 9: Imported Water Sales for Tehachapi Basin

Municipal & Industrial

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOTAL	Average
1986	--	--	--	--	--	--	--	--	--	--	--	--	15.0	--
1987	--	--	--	--	--	--	--	--	--	--	--	--	31.0	--
1988	--	--	--	1.95	0.05	0.90	2.70	29.06	39.53	355.58	45.50	27.48	503	55.9
1989	24.79	1.57	2.60	0.05	0.10	0.41	2.91	18.84	60.14	91.26	89.30	59.47	351	29.3
1990	41.22	25.74	6.55	0.88	1.98	3.93	13.38	46.50	68.77	90.56	78.91	58.11	437	36.4
1991	41.41	23.20	11.05	0.27	18.07	0.14	10.20	28.90	60.74	80.24	70.46	90.72	435	36.3
1992	36.86	25.45	3.09	3.17	5.98	3.54	14.09	53.24	86.11	84.14	105.76	58.64	480	40.0
1993	34.25	1.17	0.06	0.02	0.01	0.14	1.45	34.98	38.34	67.89	68.68	26.02	273	22.8
1994	2.63	1.11	0.05	0.03	0.04	0.49	2.37	2.21	30.21	56.26	43.34	9.60	148	12.4
1995	1.43	0.04	0.03	0.05	0.09	0.51	1.20	2.13	3.60	4.02	2.73	2.66	18.5	1.54
1996	2.64	1.19	0.11	0.50	0.00	0.34	3.12	4.31	6.31	5.92	8.52	8.26	41.2	3.44
1997	7.45	3.29	0.35	0.56	1.06	4.03	2.85	2.93	3.11	4.51	3.94	3.75	37.8	3.15
1998	1.36	0.33	0.00	0.01	0.00	0.06	0.78	2.11	3.78	7.50	7.91	4.18	28.0	2.34
1999	2.79	0.20	0.05	0.89	0.05	1.15	2.02	11.94	16.12	20.57	17.38	13.19	86.4	7.20
2000	9.41	3.99	0.97	1.15	0.86	2.09	6.89	13.51	22.56	27.45	22.01	18.90	130	10.8
2001	74.85	3.40	5.38	1.05	0.09	0.78	1.68	13.86	25.07	22.70	22.34	18.67	190	15.8
2002	14.42	2.54	0.19	0.83	0.28	0.46	13.70	21.34	27.89	65.74	60.51	36.12	244	20.3
2003	28.00	8.77	2.88	3.02	1.75	4.81	5.19	22.49	57.71	67.15	55.35	55.51	313	26.1
2004	34.62	6.66	4.33	0.05	3.59	21.08	24.96	49.86	63.97	74.27	69.00	62.58	415	34.6
TOTAL	358	109	38	14	34	45	109	358	614	1126	772	554	4177	
Average	22.4	6.79	2.36	0.85	2.00	2.64	6.44	21.1	36.1	66.2	45.4	32.6	220	

Agricultural

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOTAL	Average
1986	--	--	--	--	--	--	--	--	--	--	--	--	920	--
1987	--	--	--	--	--	--	--	--	--	--	--	--	991	--
1988	--	--	--	0.62	0.41	23.36	82.71	113.96	217.14	254.95	303.19	211.27	1208	134
1989	69.35	13.11	0.54	0.74	5.46	1.75	82.48	130.71	126.75	228.41	229.35	106.86	996	83.0
1990	53.58	29.69	21.74	7.28	3.93	3.42	14.03	21.05	57.65	66.01	77.19	61.57	417	34.8
1991	35.12	13.03	13.57	1.19	4.16	8.40	34.07	54.82	91.40	99.72	102.31	88.87	547	45.6
1992	32.09	1.12	0.69	0.54	0.54	1.82	12.93	24.64	51.76	97.18	101.43	108.32	433	36.1
1993	43.20	2.26	0.84	0.61	0.65	3.09	18.72	47.86	65.94	95.63	105.55	89.51	474	39.5
1994	33.41	22.46	0.53	0.75	0.59	26.45	23.61	85.07	235.90	311.04	372.39	290.61	1403	117
1995	93.12	41.13	3.87	0.72	0.60	99.07	34.82	7.71	211.27	390.66	481.60	300.36	1665	139
1996	195.10	50.54	5.31	0.42	1.20	16.63	81.54	302.54	406.48	418.37	486.59	294.54	2259	188
1997	129.86	7.51	0.16	0.12	0.13	9.18	37.02	271.49	564.69	524.15	631.71	296.90	2473	206
1998	114.23	15.62	0.22	0.27	0.05	0.74	5.76	109.98	391.18	389.68	701.93	180.76	1910	159
1999	47.55	6.35	0.45	0.02	0.03	54.77	34.94	315.49	376.91	545.71	570.55	425.91	2379	198
2000	104.00	35.63	3.27	3.49	0.10	7.17	54.57	215.61	299.21	375.69	403.44	197.34	1700	142
2001	45.49	2.87	1.51	0.57	5.97	1.16	21.52	93.32	165.73	170.14	210.97	137.07	856	71.4
2002	36.78	0.61	0.16	0.40	0.31	1.37	29.37	133.70	217.72	207.02	226.86	127.40	982	81.8
2003	39.26	9.27	0.58	0.27	0.18	1.98	19.64	153.96	300.73	411.72	278.64	256.43	1473	123
2004	113.90	6.39	5.17	1.30	0.38	9.08	44.02	84.45	92.43	140.96	122.53	94.48	715	59.6
TOTAL	1186	258	58.6	19.3	24.7	269	632	2166	3873	4727	5406	3268	23799	
Average	74.1	16.1	3.66	1.14	1.45	15.8	37.2	127	228	278	318	192	1253	





Table 10: Artificial Recharge Summary for Tehachapi Basin

TURN OUT/LOC			Name	85-86	86-87	87-88	88-89	89-90	90-91	91-92
T05(ANI)	32S/33E-24-25		GHCS D RECHRG GRNDWTR	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TH T14S L5A	32S/33E-33-B		263 ANTELOPE RECHARGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL				0.0	0.0	0.0	0.0	0.0	0.0	0.0

TURN OUT/LOC			Name	92-93	93-94	94-95	95-96	96-97	97-98	98-99
T05(ANI)	32S/33E-24-25		GHCS D RECHRG GRNDWTR	0.4	200	75.8	277	364	276	260
TH T14S L5A	32S/33E-33-B		263 ANTELOPE RECHARGE	0.0	0.0	138	52.9	0.0	0.0	39.6
TOTAL				0.4	200	214	330	364	276	300

TURN OUT/LOC			Name	99-00	00-01	01-02	02-03	03-04	Total
T05(ANI)	32S/33E-24-25		GHCS D RECHRG GRNDWTR	251	251	250	169	250	2625
TH T14S L5A	32S/33E-33-B		263 ANTELOPE RECHARGE	0.0	0.4	0.0	27.3	235	493
TOTAL				251	251	250	196	484	3117

Notes:

Calculations are based on a Water Year from October through September.



Table 11: Groundwater Chemistry Data Summary for the Tehachapi Basin

Key	Well	Date/Period	Calcium		Sodium		Magnesium		Potassium		Carbonate		Bicarbonate		Sulfate		Chloride	
			mg/L	meq/l	mg/L	meq/l	mg/L	meq/l	mg/L	meq/l	mg/L	meq/l	mg/L	meq/l	mg/L	meq/l	mg/L	meq/l
G1	Golden Hills ¹	1996	68.6	3.4	37.8	1.6	13.3	1.1	2.20	0.06	4.66	0.11	218	4	72.1	1.5	25.2	0.7
G2	Golden Hills ¹	1997	59.3	3.0	37.8	1.6	11.1	0.9	2.20	0.06	4.66	0.11	203	3	72.1	1.5	25.2	0.7
C1	City Water ¹	1992	72.0	3.6	30.0	1.3	8.8	0.7	0.90	0.02			209	3	40.3	0.8	25.4	0.7
C2	City Water ¹	1995	53.0	2.6	33.0	1.4	7.5	0.6	1.10	0.03			192	3	33.0	0.7	15.4	0.4
C3	City Water ¹	1999	48.0	2.4	35.0	1.5	9.0	0.7	1.20	0.03			219	4	17.0	0.3	10.0	0.3
S	Snyder Well	2/12/1986	65.0	3.2	28.0	1.2	8.9	0.7	5.40	0.14	14.5	0.33	168	3	51.0	1.0	18.8	0.5
M	#1 Mojave	12/18/1990	96.0	4.8	33.0	1.4	11.0	0.9	1.00	0.03			229	4	50.0	1.0	45.3	1.3

Notes:

1 - Data set is an average from numerous samples collected over a period of time.