

**CUMULATIVE
YEARLY STATISTICS
OF THE
DIVISION OF
WATER RESOURCES**

1998



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Introduction

Welcome to the Division of Water Resources' Cumulative Yearly Statistics for 1998. This publication provides our customers with yearly data of surface water use and ground water well application and permitting activity. We hope you find this publication useful.

This data is collected from the Division Engineer's Annual Reports and represents the seven major water basins in the state. The publication takes yearly stream delivery data, as collected by our division offices and presents it in two different formats. Yearly tabular data is provided for the water years 1994 through 1998. Selections of this data are also provided to you in a graphical format, providing a viewer friendly way to look at recent trends in water deliveries. The same presentation is made for ground water well permitting activities of the Division from July 1, 1993 through June 1, 1998. Subsequent publications will include the updates for the most recent completed years.

WATER DELIVERIES IN ACRE-FEET BY USE, WATER YEAR 1994

October 1, 1993 to September 30, 1994

	Div. 1	Div. 2	Div. 3	Div. 4	Div. 5	Div. 6	Div. 7	Total
Irrigation	1,953,136	1,514,615	1,191,835	2,291,295	1,921,676	1,043,205	751,219	10,666,981
Storage	1,223,049	479,742	77,667	329,202	450,330	8,200	194,724	2,762,914
Municipal	487,333	142,694	8,770	13,085	56,267	3,792	13,948	725,889
Commercial	12,159	584	2,139	13,085	131	403	1,646	30,147
Domestic	10,850	6,995	7,977	648	9,050	3,416	491	39,427
Stock	183	198	849	20,100	36,856	18,494	45,787	122,467
Industrial	67,397	117,787	202	531	3,749	4,556	2,947	197,169
Recreation	3,620	20,772	954	385	6,131	485	1,098	33,445
Fish	7,656	24,529	2,883	112,817	108,693	8,858	36,992	302,428
Augment	95,042	8,317	4,671	18	280	0	172	108,500
Recharge	68,997	0	11,702	0	1	0	62	80,762
Total	3,929,422	2,316,233	1,309,649	2,781,166	2,593,164	1,091,409	1,049,086	15,070,129
Acres Irr.*	1,946,625	277,437	539,014	309,168	321,669	228,535	199,038	3,821,486

*Water user supplied data

WATER DELIVERIES IN ACRE-FEET BY USE, WATER YEAR 1995

October 1, 1994 to September 30, 1995

	Div. 1	Div. 2	Div. 3	Div. 4	Div. 5	Div. 6	Div. 7	Total
Irrigation	1,863,852	2,130,845	1,615,879	2,135,188	1,968,672	1,071,511	809,197	11,595,144
Storage	1,552,524	1,579,209	101,853	691,616	733,786	15,302	33,548	4,707,838
Municipal	420,497	168,006	9,409	14,891	46,699	7,479	13,514	680,495
Commercial	12,318	186	319	28,953	146	716	2,067	44,705
Domestic	10,623	198	7,393	1,183	6,922	4,123	596	31,038
Stock	1,243	648	526	28,854	44,999	34,555	40,108	150,933
Industrial	64,680	131,798	1,664	606	17,395	22,623	4,772	243,538
Recreation	3,624	2,368	218	267	6,191	1,141	1,102	14,911
Fish	6,824	33,211	1,407	217,416	118,852	27,174	38,051	442,935
Augment	85,235	1,675	7,818	18	3,168	0	140	98,054
Recharge	90,141	0	14,716	173	0	0	1	105,031
Total	4,111,561	4,048,144	1,761,202	3,119,165	2,946,830	1,184,624	943,096	18,114,622
Acres Irr.*	1,100,344	625,951	309,138	330,217	232,603	197,257	2,795,510

*Water user supplied data

Total Acres Irrigated does not reflect Div. 2

WATER DELIVERIES IN ACRE-FEET BY USE, WATER YEAR 1996

October 1, 1995 to September 30, 1996

	Div. 1	Div. 2	Div. 3	Div. 4	Div. 5	Div. 6	Div. 7	Total
Irrigation	2,118,124	1,839,001	836,085	2,006,139	2,095,306	1,161,702	759,968	10,816,325
Storage	1,436,869	846,570	32,752	692,278	530,790	4,691	168,784	3,712,734
Municipal	486,549	156,399	15,418	19,112	48,221	8,527	14,887	749,113
Commercial	2,175	164	195	22,430	156	15	1,816	26,951
Domestic	14,440	262	7,463	1,240	9,575	1,787	551	35,318
Stock	522	366	588	33,861	40,072	36,880	46,321	158,610
Industrial	70,632	169,023	1,464	973	4,085	20,177	410	266,764
Recreation	6,631	0	0	11,639	4,580	1,594	868	25,312
Fish	4,301	24,493	703	210,236	118,822	24,029	29,817	412,401
Augment	101,864	1,865	3,871	126	894	0	92	108,712
Recharge	98,783	1,484	29,141	83	0	0	1	129,492
Total	4,340,890	3,039,627	927,680	2,998,117	2,852,501	1,259,402	1,023,515	16,441,732
Acres Irr.*	1,061,700	536,307	309,138	309,112	225,582	188,286	2,630,125

*Water user supplied data

Total Acres Irrigated does not reflect Div. 2

WATER DELIVERIES IN ACRE-FEET BY USE, WATER YEAR 1997

October 1, 1996 to September 30, 1997

	Div. 1	Div. 2	Div. 3	Div. 4	Div. 5	Div. 6	Div. 7	Total
Irrigation	1,982,346	1,935,335	1,400,945	2,032,594	2,046,695	1,039,637	708,811	11,146,363
Storage	1,512,348	1,147,941	99,605	1,587,282	575,777	7,052	388,375	5,318,380
Municipal	468,107	145,977	10,041	17,868	54,816	7,274	14,606	718,689
Commercial	9,494	251	189	22,713	201	86	1,702	34,636
Domestic	10,937	175	6,172	1,450	5,621	2,265	744	27,364
Stock	598	643	228	22,865	44,871	32,052	46,365	147,622
Industrial	73,341	145,526	0	1,004	6,119	23,993	422	250,405
Recreation	3,648	17	0	12,487	3,895	2,545	1,105	23,697
Fish	4,491	21,891	1,075	201,851	95,701	37,389	32,712	395,110
Augment	51,563	18,374	3,409	30	5,842	0	373	79,591
Recharge	104,672	2,128	27,587	376	0	0	38	134,801
Total	4,221,545	3,418,258	1,549,251	3,900,520	2,839,538	1,152,293	1,195,253	18,276,658
Acres Irr.*	975,995	277,437	568,345	309,138	298,301	228,440	194,314	2,851,970

*Water user supplied data

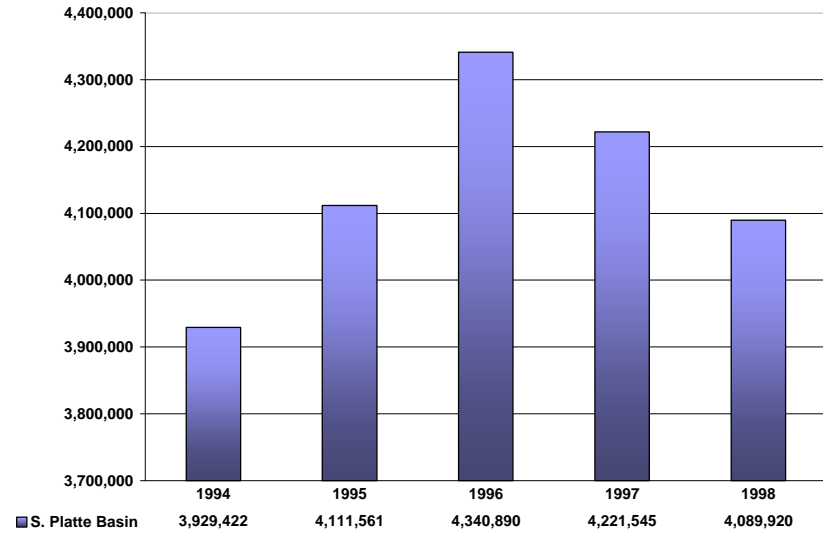
WATER DELIVERIES IN ACRE-FEET BY USE, WATER YEAR 1998

October 1, 1997 to September 30, 1998

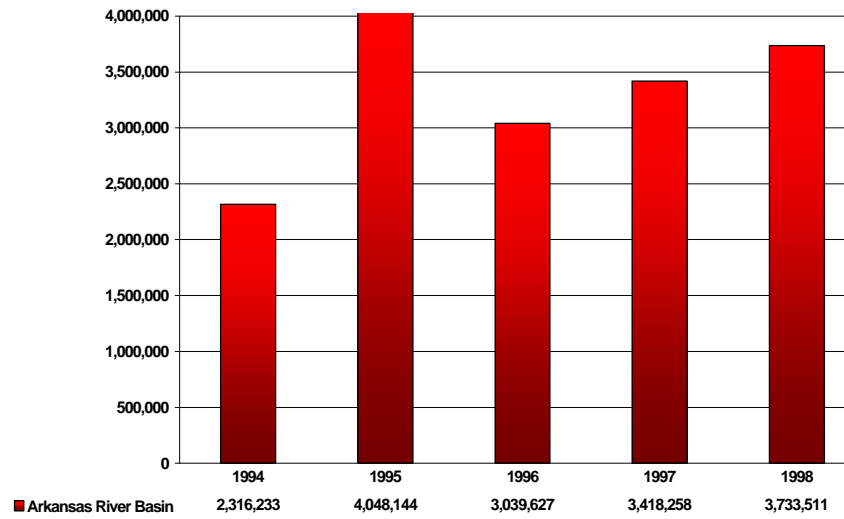
	Div. 1	Div. 2	Div. 3	Div. 4	Div. 5	Div. 6	Div. 7	Total
Irrigation	2,202,102	2,032,962	1,144,192	2,069,244	2,185,350	1,101,365	800,660	11,535,875
Storage	1,082,718	1,346,924	58,052	1,118,485	434,194	8,565	172,554	4,221,492
Municipal	531,886	172,850	10,692	16,235	50,289	8,336	16,330	806,618
Commercial	8,195	2,053	321	1,002	2,293	13	2,021	15,898
Domestic	12,286	128	5,958	1,027	15,315	2,501	892	38,107
Stock	740	483	0	23,293	28,438	33,817	37,459	124,230
Industrial	70,058	146,272	155	1,060	5,321	25,397	452	248,715
Recreation	3,681	17	284	11,639	3,398	2,382	1,134	22,535
Fish	6,674	26,292	494	162,483	160,827	35,292	38,699	430,761
Augment	66,924	2,892	3,803	111	0	0	553	74,283
Recharge	104,656	2,638	6,660	500	0	0	49	114,503
Total	4,089,920	3,733,511	1,230,611	3,405,079	2,885,425	1,217,668	1,070,803	17,633,017
Acres Irr.*	993,815	420,000	602,251	309,148	295,531	229,102	198,194	3,048,041

*Water user supplied data

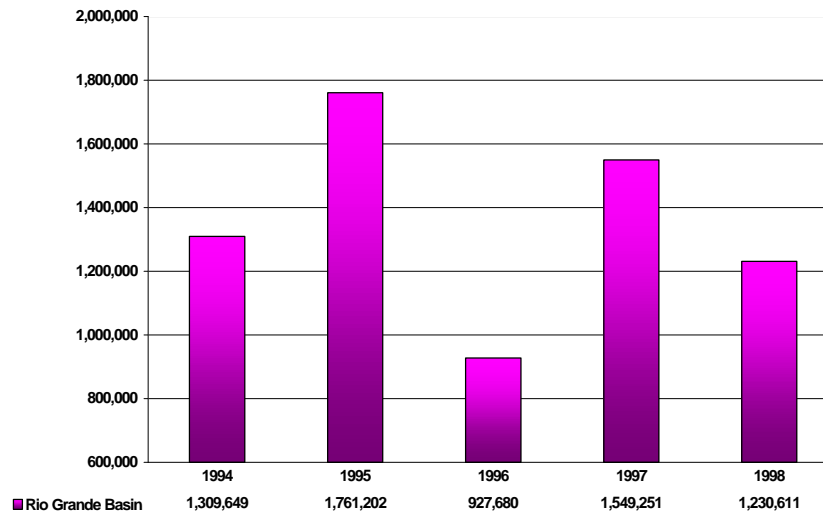
Total Surface Water Deliveries, Water Division 1
Water Years 1994-1998



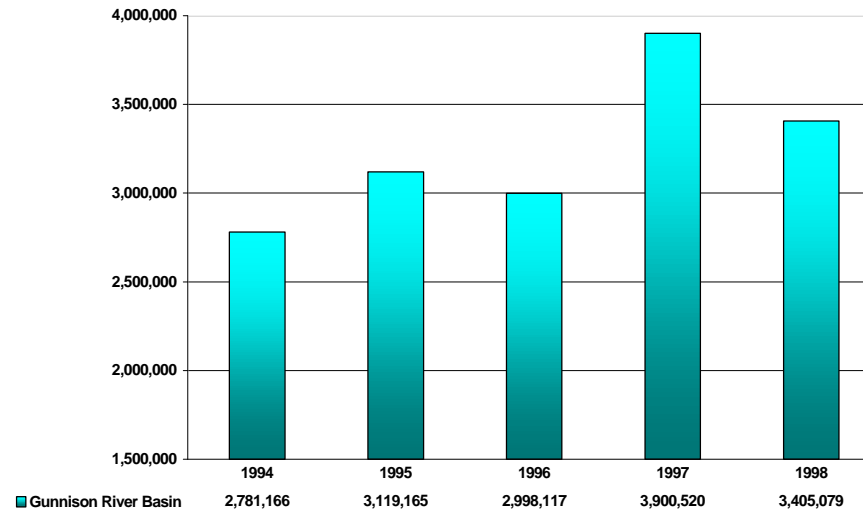
Total Surface Water Deliveries, Water Division 2
Water Years 1994-1998



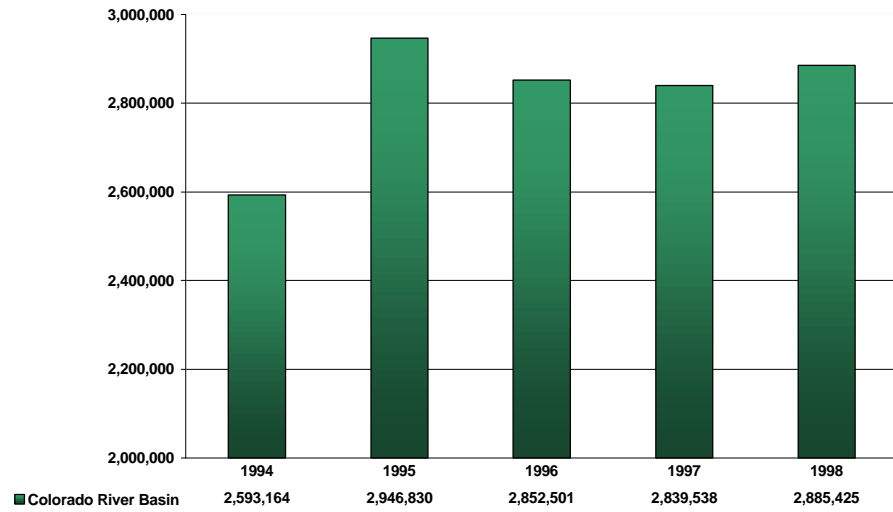
Total Surface Water Deliveries, Division 3
Water Years 1994-1998



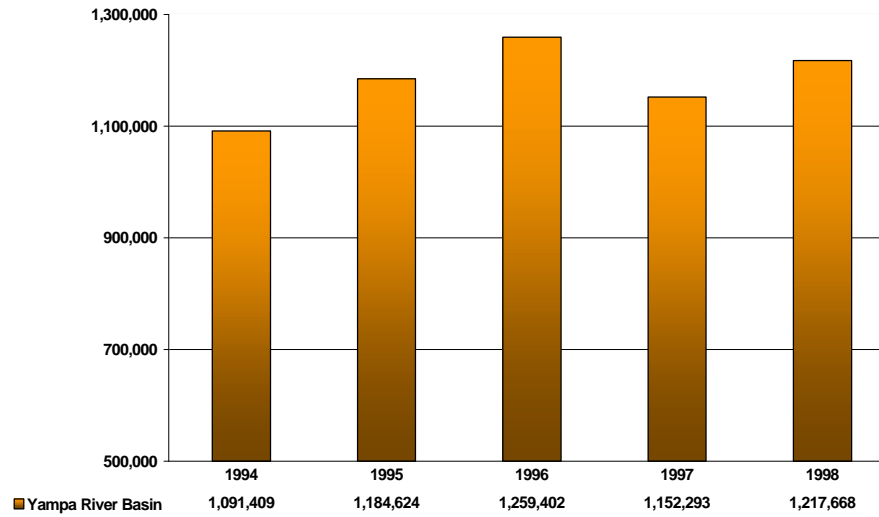
Total Surface Water Deliveries, Water Division 4
Water Years 1994-1998



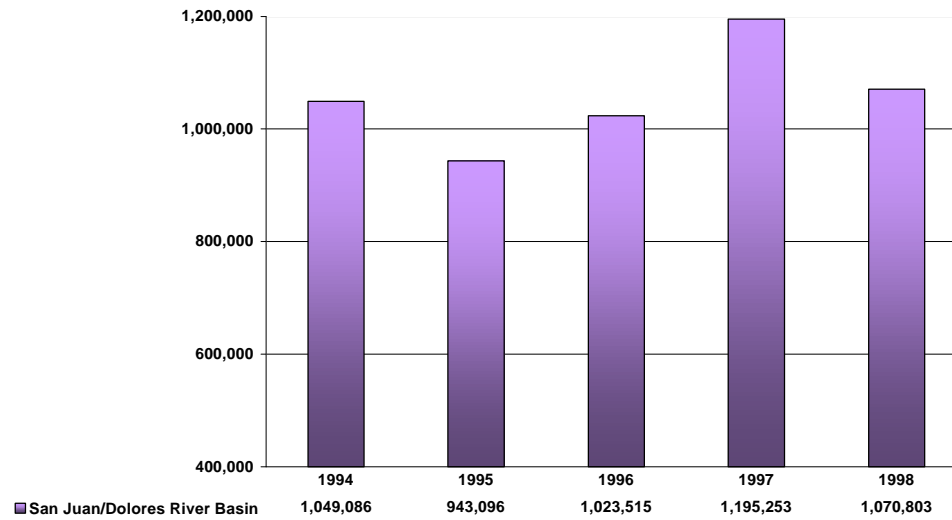
Total Surface Water Deliveries, Water Division 5
Water Years 1994-1998



Total Surface Water Deliveries, Water Division 6
Water Years 1994-1998



Total Surface Water Deliveries, Water Division 7
Water Years 1994-1998



Fiscal Year 1993-1994 Well Permit Activity

	Div. 1	Div. 2	Div. 3	Div. 4	Div. 5	Div. 6	Div. 7	Total	Desig. Basins	Grand Total
Exempt Received	5,121	1,666	472	400	904	216	620	9,399	1,087	10,486
Non-Exempt Received	480	166	101	38	102	20	35	942	120	1,062
Exempt Issued	4,044	1,463	339	280	639	186	545	7,496	928	8,424
Non-Exempt Issued	564	205	158	73	186	29	102	1,317	19	1,336
Exempt Replacement Issued	355	131	54	21	49	10	41	661	101	762
Non-Exempt Replacement Issued	31	16	4	0	0	0	1	52	7	59
Exempt Denied	62	20	2	12	48	0	7	151	0	151
Non-Exempt Denied	41	7	7	22	35	5	2	119	4	123
Late Register Approval	280	143	48	33	23	17	35	579	71	650
Monitor/ Test Holes	772	190	71	167	214	74	62	1,550	84	1,634
Geothermal Apps	4	0	0	0	0	0	0	4	5	9
Geothermal Issued	3	0	0	0	0	0	0	3	7	10
Totals	11,757	4,007	1,256	1,046	2,200	557	1,450	22,273	2,433	24,706

Fiscal Year 1994-1995 Well Permit Activity

	Div. 1	Div. 2	Div. 3	Div. 4	Div. 5	Div. 6	Div. 7	Total	Desig. Basins	Grand Total
Exempt Received	5,385	1,736	432	534	1,005	364	591	10,047	981	11,028
Non-Exempt Received	607	172	103	46	117	16	35	1,096	172	1,268
Exempt Issued	4,321	1,054	243	366	558	223	517	7,282	789	8,071
Non-Exempt Issued	636	277	173	46	220	42	95	1,489	32	1,521
Exempt Replacement Issued	490	89	47	20	31	16	24	717	105	822
Non-Exempt Replacement Issued	46	13	8	0	0	0	2	69	9	78
Exempt Denied	25	15	3	17	56	0	7	123	2	125
Non-Exempt Denied	43	17	9	8	38	1	9	125	33	158
Late Register Approval	378	114	57	41	32	23	20	665	103	768
Monitor/ Test Holes	849	242	40	138	260	63	40	1,632	87	1,719
Geothermal Apps	6	1	0	0	0	0	0	7	0	7
Goethermal Issued	6	1	0	1	0	0	0	8	1	9
Totals	12,792	3,731	1,115	1,217	2,317	748	1,340	23,260	2,314	25,574

Fiscal Year 1995-1996 Well Permit Activity

	Div. 1	Div. 2	Div. 3	Div. 4	Div. 5	Div. 6	Div. 7	Total	Desig. Basins	Grand Total
Exempt Received	3,255	1,917	503	449	916	191	528	7,759	990	8,749
Non-Exempt Received	383	183	107	84	85	16	57	915	176	1,091
Exempt Issued	2,168	1,253	317	339	637	167	430	5,311	763	6,074
Non-Exempt Issued	377	111	70	28	68	14	44	712	45	757
Exempt Replacement Issued	282	127	43	27	36	12	33	560	96	656
Non-Exempt Replacement Issued	27	2	10	0	0	0	0	39	6	45
Exempt Denied	29	15	5	47	40	1	2	139	1	140
Non-Exempt Denied	32	13	11	8	17	0	5	86	30	116
Late Register Approval	245	230	43	29	20	28	27	622	71	693
Monitor/ Test Holes	561	307	166	128	303	76	50	1,591	62	1,653
Geothermal Apps	3	0	0	0	0	0	0	3	2	5
Goethermal Issued	1	1	0	0	0	0	0	2	4	6
Totals	7,363	4,159	1,275	1,139	2,122	505	1,176	17,739	2,246	19,985

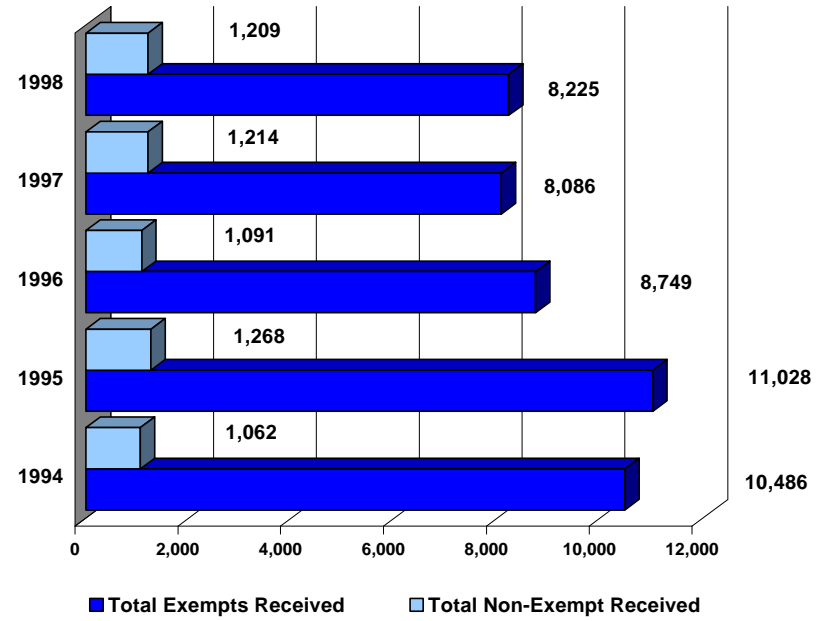
Fiscal Year 1996-1997 Well Permit Activity

	Div. 1	Div. 2	Div. 3	Div. 4	Div. 5	Div. 6	Div. 7	Total	Desig. Basins	Grand Total
Exempt Received	3,125	1,789	466	326	783	188	432	7,109	977	8,086
Non-Exempt Received	465	177	126	40	115	47	51	1,021	193	1,214
Exempt Issued	2,063	1,274	350	316	585	174	349	5,111	893	6,004
Non-Exempt Issued	450	141	90	26	122	9	62	900	53	953
Exempt Replacement Issued	333	126	69	22	41	15	33	639	83	722
Non-Exempt Replacement Issued	75	25	4	2	0	0	2	108	18	126
Exempt Denied	17	17	1	0	10	0	2	47	2	49
Non-Exempt Denied	54	35	6	36	22	50	0	203	2	205
Late Register Approval	274	254	66	26	19	13	31	683	73	756
Monitor/ Test Holes	587	362	114	99	354	53	40	1,609	103	1,712
Geothermal Apps	3	5	0	3	1	0	0	12	9	21
Geothermal Issued	2	4	0	3	0	0	0	9	9	18
Totals	7,448	4,209	1,292	899	2,052	549	1,002	17,451	2,415	19,866

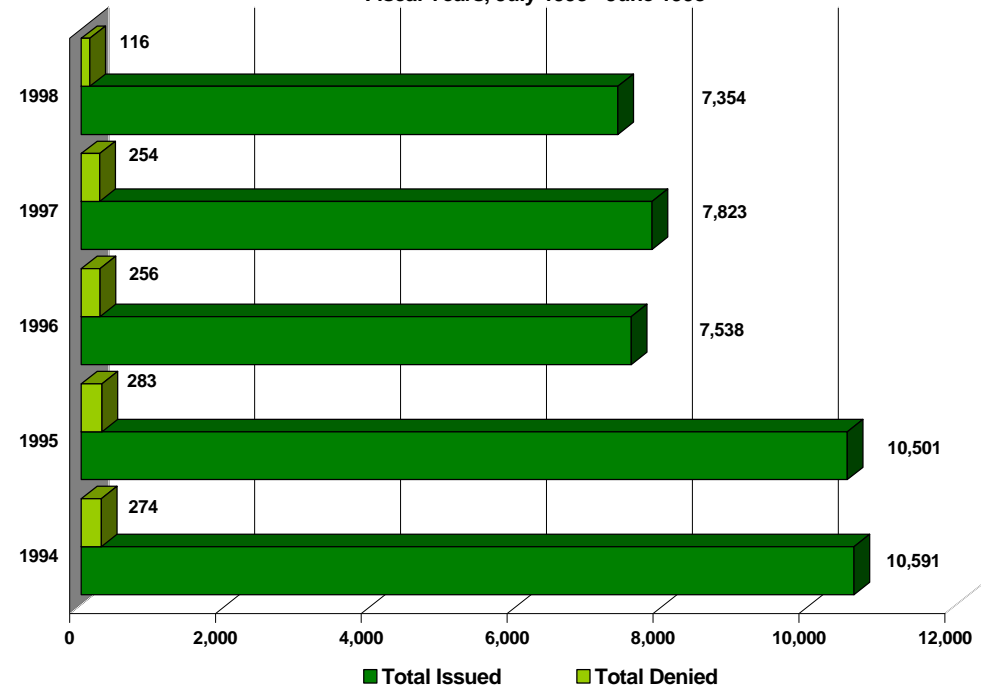
Fiscal Year 1997-1998 Well Permit Activity

	Div. 1	Div. 2	Div. 3	Div. 4	Div. 5	Div. 6	Div. 7	Total	Desig. Basins	Grand Total
Exempt Received	3,156	1,827	520	356	836	213	397	7,305	920	8,225
Non-Exempt Received	415	191	102	56	114	28	70	976	233	1,209
Exempt Issued	1,717	1,283	326	297	634	189	357	4,803	753	5,556
Non-Exempt Issued	392	151	72	31	79	34	65	824	100	924
Exempt Replacement Issued	293	126	41	27	40	20	29	576	109	685
Non-Exempt Replacement Issued	79	31	15	2	8	0	1	136	17	153
Exempt Denied	15	8	1	0	10	0	0	34	1	35
Non-Exempt Denied	34	15	2	1	17	0	5	74	7	81
Late Register Approval	317	284	206	24	56	26	25	938	103	1041
Monitor/ Test Holes	801	431	115	103	496	48	42	2,036	92	2,128
Geothermal Apps	12	3	0	2	0	1	0	18	9	27
Goethermal Issued	16	3	0	6	0	1	0	26	10	36
Totals	7,247	4,353	1,400	905	2,290	560	991	17,746	2,354	20,100

Exempt/Non-Exempt Permit Application, Statewide Fiscal Years, July 1993 - June 1998

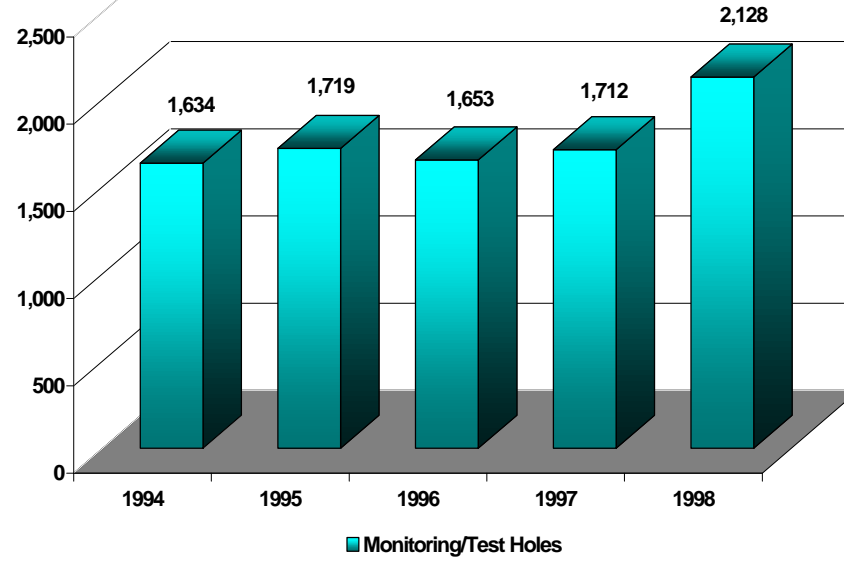


Well Permits Issued & Denied, Statewide Fiscal Years, July 1993 - June 1998



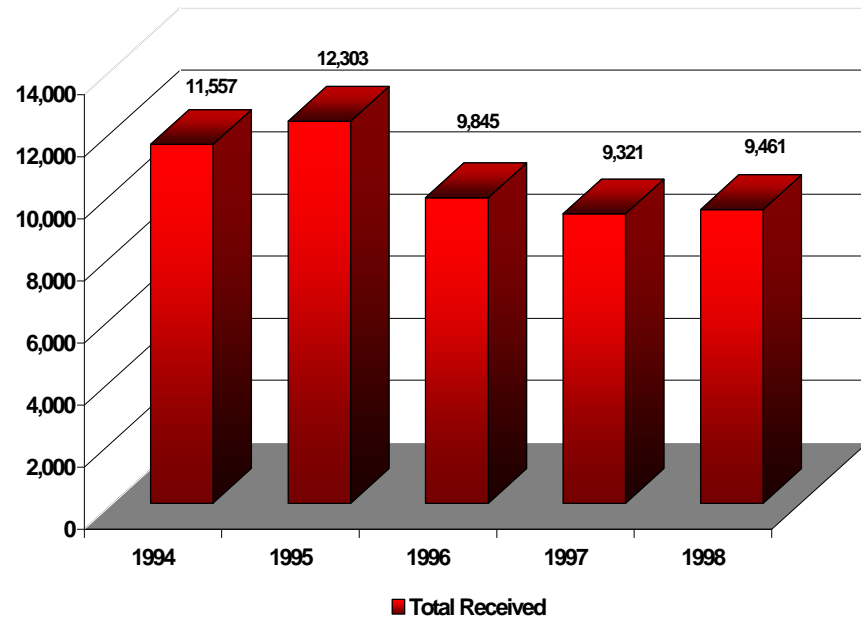
Total Monitoring/Test Hole Acknowledgements

Fiscal Years, July 1993 - June 1998



Total Permit Applications Received, Statewide

Fiscal Years, July 1993 - June 1998



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