

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

---

***1997***



# ***Index***

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# *Introduction*

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Welcome to the State Engineer's Cumulative Data Publication for 1997. This document provides our customers with yearly summaries of surface water use and ground water well application and permitting activity. We hope you find this publication useful.

These data are 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 1993 through 1997. Selections of these data are also provided 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, 1992 through June 1, 1997. Subsequent publications will include the updates for the most recent completed years.

## WATER DELIVERIES IN ACRE-FEET BY USE, WATER YEAR 1993

October 1, 1992 to September 30, 1993

	Div. 1	Div. 2	Div. 3	Div. 4	Div. 5	Div. 6	Div. 7	Total
<b>Irrigation</b>	1,949,924	1,576,177	1,389,447	2,429,390	2,081,753	1,261,234	789,952	11,477,877
<b>Storage</b>	1,082,412	133,490	145,899	81,000	643,463	25,981	268,312	2,380,557
<b>Municipal</b>	411,276	60,302	8,219	15,476	46,583	7,187	13,484	562,527
<b>Commercial</b>	1,652	734	1,953	19,973	169	635	1,129	26,245
<b>Domestic</b>	11,250	178	4,794	1,096	5,462	5,204	459	28,443
<b>Stock</b>	276	1,296	997	37,488	38,196	47,335	42,174	167,762
<b>Industrial</b>	71,700	87,040	322	2,122	2,632	28,163	2,268	194,247
<b>Recreation</b>	3,653	104	686	612	7,180	882	1,290	14,407
<b>Fish</b>	5,519	7,125	9,821	176,185	114,974	31,094	22,749	367,467
<b>Augment</b>	90,627	0	6,345	6	2,312	0	102	99,392
<b>Recharge</b>	80,476	0	14,393	41	2	0	79	94,991
<b>Total</b>	3,708,765	1,866,446	1,582,876	2,763,389	2,942,726	1,407,715	1,141,998	15,413,915
<b>Acres Irr.*</b>	1,223,662	277,437	566,540	355,476	350,343	231,438	201,797	3,206,693

\*Water user supplied data

# 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
<b>Total</b>	<b>3,929,422</b>	<b>2,316,233</b>	<b>1,309,649</b>	<b>2,781,166</b>	<b>2,593,164</b>	<b>1,091,409</b>	<b>1,049,086</b>	<b>15,070,129</b>
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
<b>Irrigation</b>	1,863,852	2,130,845	1,615,879	2,135,188	1,968,672	1,071,511	809,197	11,595,144
<b>Storage</b>	1,552,524	1,579,209	101,853	691,616	733,786	15,302	33,548	4,707,838
<b>Municipal</b>	420,497	168,006	9,409	14,891	46,699	7,479	13,514	680,495
<b>Commercial</b>	12,318	186	319	28,953	146	716	2,067	44,705
<b>Domestic</b>	10,623	198	7,393	1,183	6,922	4,123	596	31,038
<b>Stock</b>	1,243	648	526	28,854	44,999	34,555	40,108	150,933
<b>Industrial</b>	64,680	131,798	1,664	606	17,395	22,623	4,772	243,538
<b>Recreation</b>	3,624	2,368	218	267	6,191	1,141	1,102	14,911
<b>Fish</b>	6,824	33,211	1,407	217,416	118,852	27,174	38,051	442,935
<b>Augment</b>	85,235	1,675	7,818	18	3,168	0	140	98,054
<b>Recharge</b>	90,141	0	14,716	173	0	0	1	105,031
<b>Total</b>	4,111,561	4,048,144	1,761,202	3,119,165	2,946,830	1,184,624	943,096	18,114,622
<b>Acres Irr.*</b>	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	2,009,202	2,095,306	2,006,139	759,968	11,663,825
Storage	1,436,869	846,570	32,752	692,278	530,790	692,278	168,784	4,400,321
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	126	92	108,838
Recharge	98,783	1,484	29,141	83	0	83	1	129,575
<b>Total</b>	<b>4,340,890</b>	<b>3,039,573</b>	<b>927,680</b>	<b>3,001,180</b>	<b>2,852,501</b>	<b>2,791,635</b>	<b>1,023,515</b>	<b>17,977,028</b>
Acres Irr.*	1,061,700	.....	536,307	309,138	309,112	309,138	188,286	2,713,681

\*Water user supplied data

Total Acres Irrigated does not reflect Div. 2

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

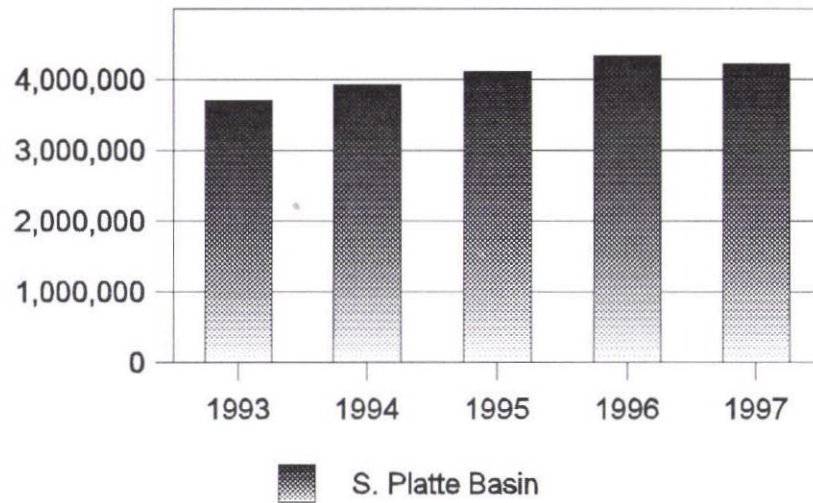
October 1, 1996 to September 30, 1997

	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	3,180,401

\*Water user supplied data

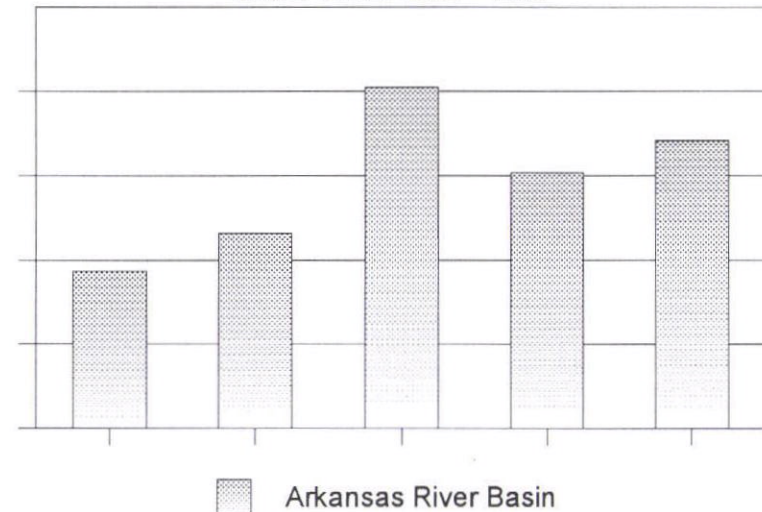


**Total Surface Water Deliveries, Water Division 1**  
Water Years 1993 - 1997



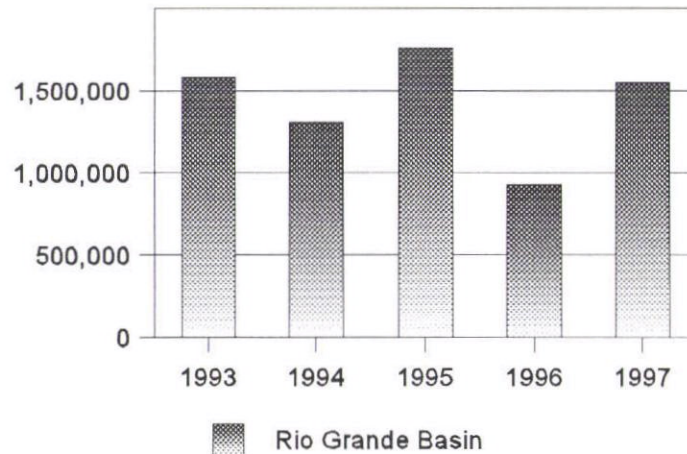
S. Platte Basin	3,707,765	3,929,422	4,111,562	4,340,890	4,221,545
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**Total Surface Water Deliveries, Water Division 2**  
Water Years 1993 - 1997



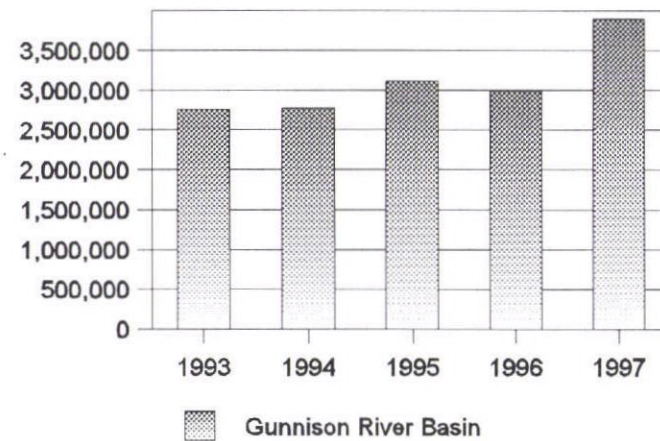
Arkansas River Basin	1,886,448	2,318,233	4,048,144	3,038,573	3,418,258
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**Total Surface Water Deliveries, Water Division 3**  
Water Years 1993 - 1997



Rio Grande Basin	1,582,876	1,309,049	1,761,205	927,080	1,549,251
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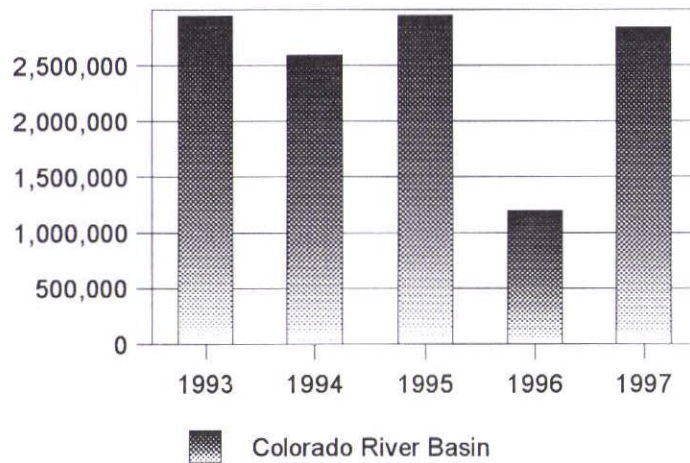
**Total Surface Water Deliveries, Water Division 4**  
Water Years 1993 - 1997



Gunnison River Basin	2,763,389	2,781,168	3,119,166	3,001,160	3,960,520
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### Total Surface Water Deliveries, Water Division 5

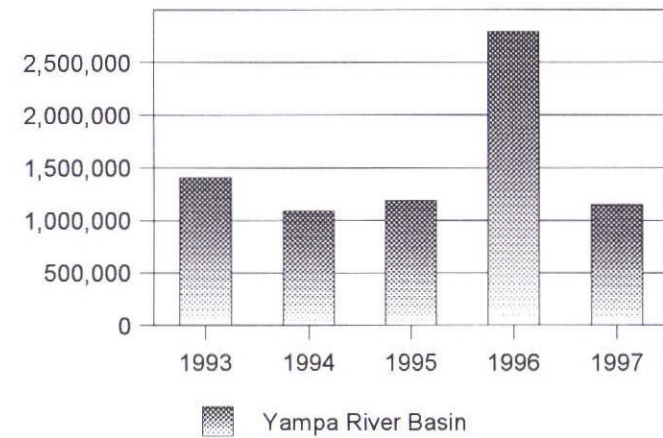
Water Years 1993 - 1997



Colorado River Basin | 2,942,726 | 2,593,164 | 2,946,830 | 1,196,699 | 2,839,538

### Total Surface Water Deliveries, Water Division 6

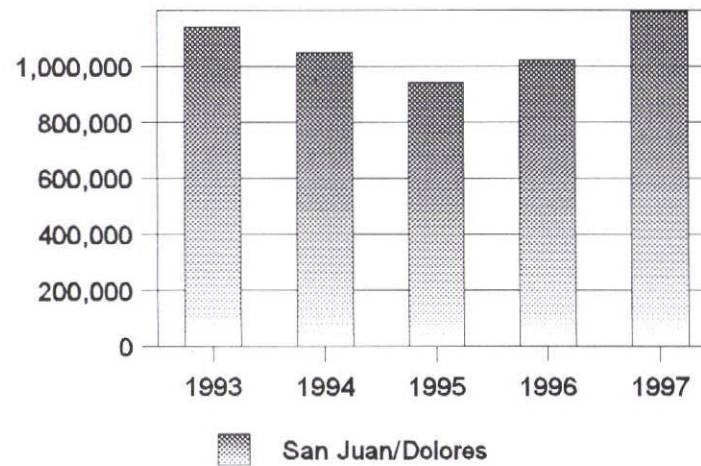
Water Years 1993 - 1997



Yampa River Basin | 1,407,715 | 1,091,409 | 1,184,630 | 2,791,635 | 1,152,293

### Total Surface Water Deliveries, Water Division 7

Water Years 1993 - 1997



San Juan/Dolores | 1,141,998 | 1,049,086 | 949,109 | 1,029,515 | 1,195,259

**Fiscal Year 1992-1993 Well Permit Activity**

	Div. 1	Div. 2	Div. 3	Div. 4	Div. 5	Div. 6	Div. 7	Total	Desig. Basins	Grand Total
<b>Exempt Received</b>	4,229	1,873	321	365	665	204	524	8,181	786	8,967
<b>Non- Exempt Received</b>	372	68	101	64	122	27	37	791	93	884
<b>Exempt Issued</b>	2,793	1,048	185	280	429	160	356	5,251	421	5,672
<b>Non- Exempt Issued</b>	533	101	126	89	249	33	51	1,182	37	1,219
<b>Exempt Replace Issued</b>	297	104	44	14	28	14	23	524	102	626
<b>Non- Exempt Replace Issued</b>	41	16	7	2	3	1	0	70	23	93
<b>Exempt Denied</b>	65	9	11	10	47	2	4	148	0	148
<b>Non- Exempt Denied</b>	141	43	8	26	35	0	3	256	38	294
<b>Late Register Approval</b>	229	79	51	18	27	8	20	432	87	519
<b>Monitor/ Test Holes</b>	593	244	21	113	175	42	40	1,228	52	1,280
<b>Geothermal Apps</b>	0	0	0	0	0	0	0	0	3	3
<b>Geothermal Issued</b>	4	0	0	1	0	0	0	5	6	11
<b>Totals</b>	9,297	3,585	875	982	1,780	491	1,058	18,068	1,648	19,716

**Fiscal Year 1993-1994 Well Permit Activity**

	<b>Div. 1</b>	<b>Div. 2</b>	<b>Div. 3</b>	<b>Div. 4</b>	<b>Div. 5</b>	<b>Div. 6</b>	<b>Div. 7</b>	<b>Total</b>	<b>Desig. Basins</b>	<b>Grand Total</b>
<b>Exempt Received</b>	5,121	1,666	472	400	904	216	620	9,399	1,087	10,486
<b>Non- Exempt Received</b>	480	166	101	38	102	20	35	942	120	1,062
<b>Exempt Issued</b>	4,044	1,463	339	280	639	186	545	7,496	928	8,424
<b>Non- Exempt Issued</b>	564	205	158	73	186	29	102	1,317	19	1,336
<b>Exempt Replace Issued</b>	355	131	54	21	49	10	41	661	101	762
<b>Non- Exempt Replace Issued</b>	31	16	4	0	0	0	1	52	7	59
<b>Exempt Denied</b>	62	20	2	12	48	0	7	151	0	151
<b>Non- Exempt Denied</b>	41	7	7	22	35	5	2	119	4	123
<b>Late Register Approval</b>	280	143	48	33	23	17	35	579	71	650
<b>Monitor/ Test Holes</b>	772	190	71	167	214	74	62	1,550	84	1,634
<b>Geothermal Apps</b>	4	0	0	0	0	0	0	4	5	9
<b>Geothermal Issued</b>	3	0	0	0	0	0	0	3	7	10
<b>Totals</b>	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 Replace Issued	490	89	47	20	31	16	24	717	105	822
Non- Exempt Replace 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
Geothermal Issued	6	1	0	1	0	0	0	8	1	9
<b>Totals</b>	<b>12,792</b>	<b>3,731</b>	<b>1,115</b>	<b>1,217</b>	<b>2,317</b>	<b>748</b>	<b>1,340</b>	<b>23,260</b>	<b>2,314</b>	<b>25,574</b>



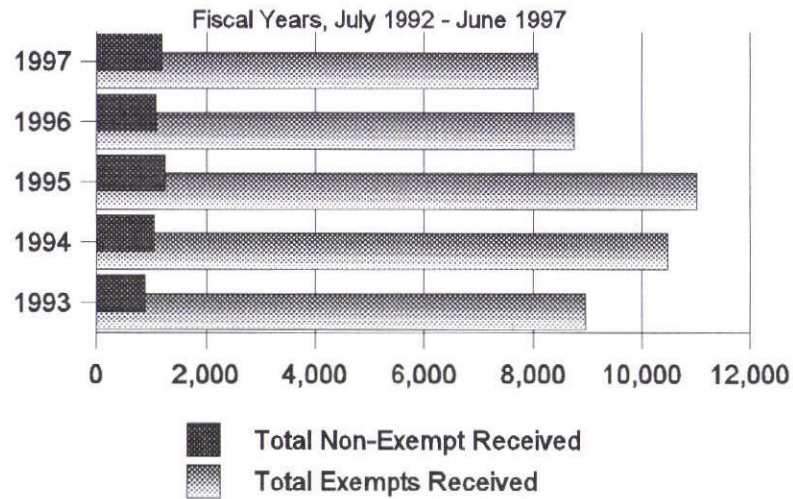
**Fiscal Year 1995-1996 Well Permit Activity**

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

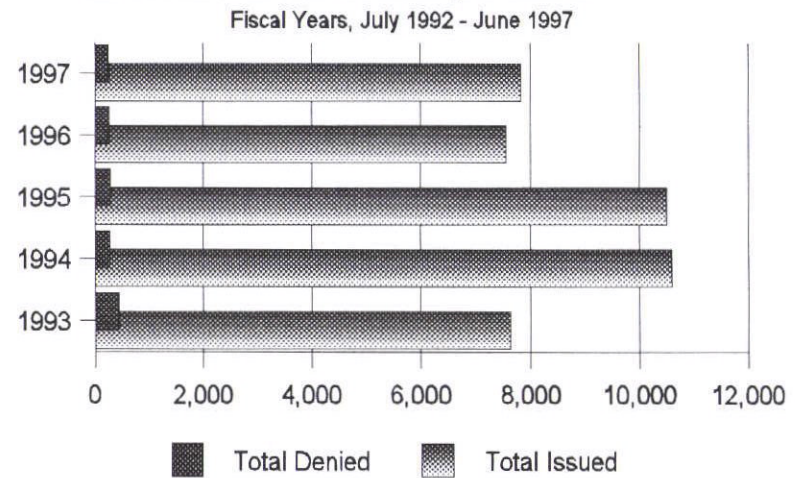
	Div. 1	Div. 2	Div. 3	Div. 4	Div. 5	Div. 6	Div. 7	Total	Desig. Basins	Grand Total
Exempt Received	3,125	1,789	466	326	783	188	432	7,109	977	8,086
Non- Exempt Received	465	177	126	40	115	47	51	1,021	193	1,214
Exempt Issued	2,063	1,274	350	316	585	174	349	5,111	893	6,004
Non- Exempt Issued	450	141	90	26	122	9	62	900	53	953
Exempt Replace Issued	333	126	69	22	41	15	33	639	83	722
Non- Exempt Replace 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
<b>Totals</b>	<b>7,448</b>	<b>4,209</b>	<b>1,292</b>	<b>899</b>	<b>2,052</b>	<b>549</b>	<b>1,002</b>	<b>17,451</b>	<b>2,415</b>	<b>19,866</b>

### Exempt/Non-Exempt Permit Application, Statewide



Total Exempts Rec	8,967	10,496	11,028	8,749	8,086
Total Non-Exempt	884	1,062	1,268	1,091	1,214

### Well Permits Issued & Denied, Statewide

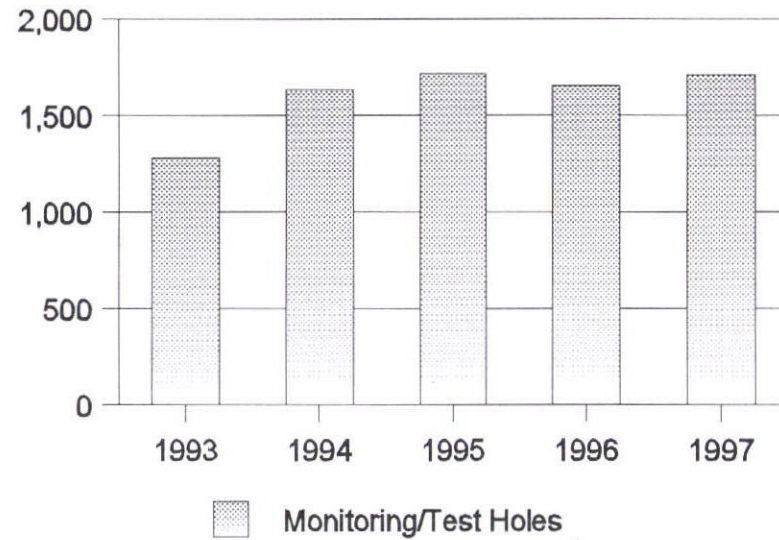


Total Issued	7,821	10,501	10,501	7,536	7,821
Total Denied	442	274	263	254	254



### Total Monitoring/Test Hole Acknowledgements

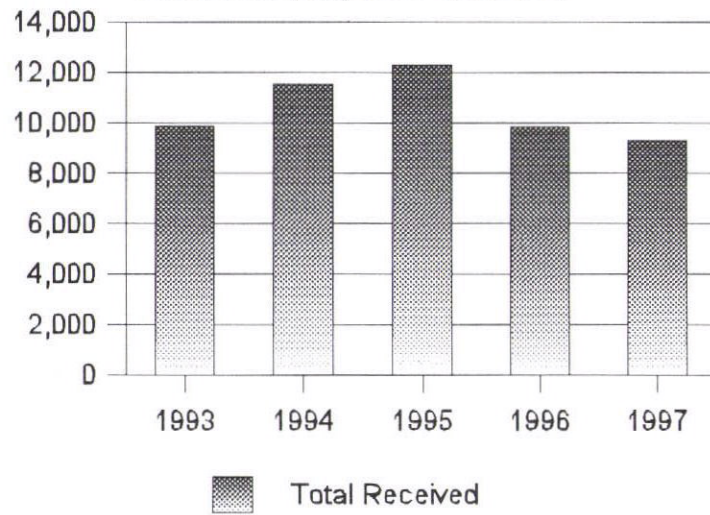
Fiscal Years, July 1992 - June 1997



Monitoring/Test Holes 1,280 1,634 1,718 1,653 1,712

### Total Permit Applications Received, Statewide

Fiscal Years, July 1992 - June 1997



Total Received 9,863 11,667 12,303 9,846 9,321

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DIVISION OF WATER RESOURCES  
1313 SHERMAN STREET ROOM 818  
DENVER COLORADO 80203

866-3581 FAX 866-3589

RECORDS 866-3447 FAX 866-2223

GROUND WATER 866-3587

AVAILABLE ONLINE AT: <http://www.dnr.state.co.us/water/1stdata.htm>