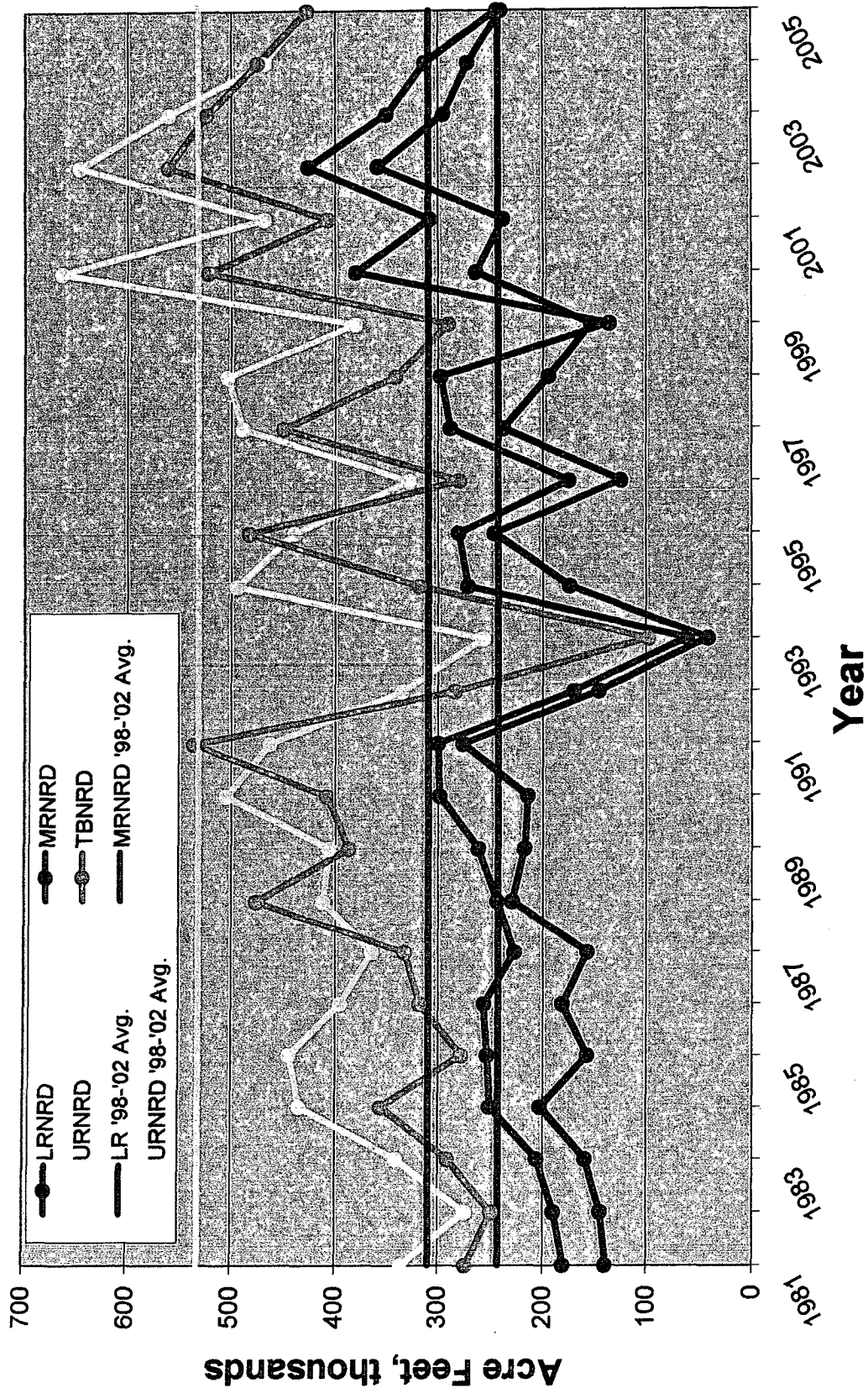
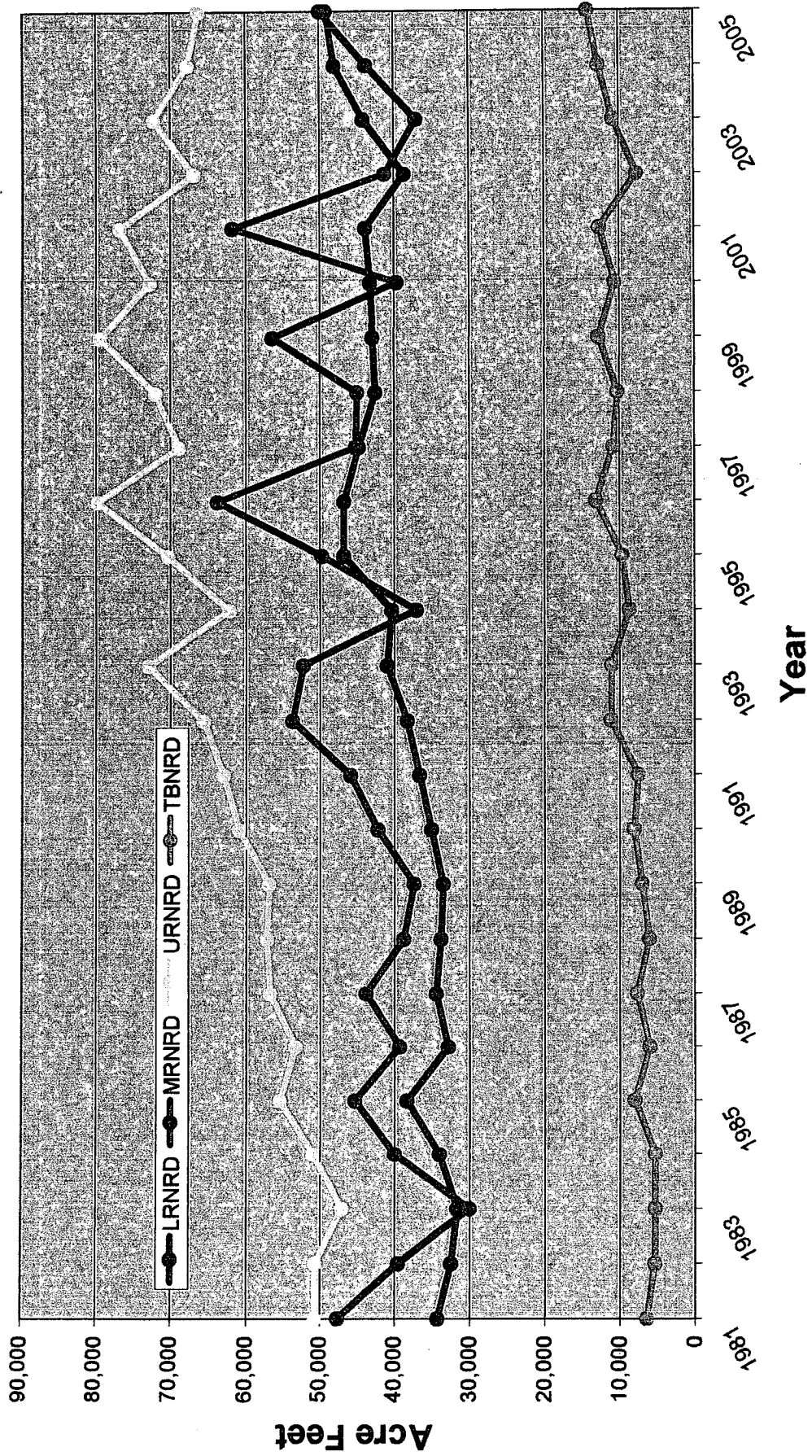


Republican Model Region Groundwater Pumping by NRD



Ground Water Depletions to Stream by NRD



Year	Upper Republican (acre-ft)	Middle Republican (acre-ft)	Lower Republican (acre-ft)	Tri-Basin (acre-ft)	Other (acre-ft)	Total Pumping (acre-ft)	Incremental (acre-ft)	Upper Republican (%)	Middle Republican (%)	Lower Republican (%)	Tri-Basin (%)	Other (%)	Total (%)
1981	335,795	180,593	139,605	273,704	179826.1	1,109,523		30.3%	16.3%	12.6%	24.7%	16.2%	100.0%
1982	274,796	189,495	144,925	249,058	176114	1,034,387		26.6%	18.3%	14.0%	24.1%	17.0%	100.0%
1983	341,737	206,298	159,725	290,834	203471.8	1,202,065		28.4%	17.2%	13.3%	24.2%	16.9%	100.0%
1984	434,616	250,713	202,513	355,447	245399.9	1,488,690		29.2%	16.8%	13.6%	23.9%	16.5%	100.0%
1985	444,601	253,102	157,617	277,600	232550.7	1,365,469		32.6%	18.5%	11.5%	20.3%	17.0%	100.0%
1986	395,741	256,027	181,651	318,113	236930.6	1,388,463		28.5%	18.4%	13.1%	22.9%	17.1%	100.0%
1987	364,513	226,825	156,785	332,321	218408.9	1,298,852		28.1%	17.5%	12.1%	25.6%	16.8%	100.0%
1988	412,179	243,566	229,080	476,098	275326.8	1,636,250		25.2%	14.9%	14.0%	29.1%	16.8%	100.0%
1989	405,483	261,402	217,285	386,441	240893.8	1,511,505		26.8%	17.3%	14.4%	25.6%	15.9%	100.0%
1990	505,015	298,455	214,375	407,779	290482.2	1,716,107		29.4%	17.4%	12.5%	23.8%	16.9%	100.0%
1991	463,137	300,297	275,895	535,721	329774.1	1,904,824		24.3%	15.8%	14.5%	28.1%	17.3%	100.0%
1992	334,973	169,657	145,458	283,197	188328.6	1,121,614		29.9%	15.1%	13.0%	25.2%	16.8%	100.0%
1993	256,709	60,881	41,515	97,059	91912.65	548,077		46.8%	11.1%	7.6%	17.7%	16.8%	100.0%
1994	494,951	271,512	174,458	318,218	257376.3	1,516,515		32.6%	17.9%	11.5%	21.0%	17.0%	100.0%
1995	439,376	280,015	246,010	482,322	301091.5	1,748,815		25.1%	16.0%	14.1%	27.6%	17.2%	100.0%
1996	328,475	174,909	124,411	279,010	192117.2	1,098,922		29.9%	15.9%	11.3%	25.4%	17.5%	100.0%
1997	489,546	288,260	237,626	449,652	289843.5	1,754,928		27.9%	16.4%	13.5%	25.6%	16.5%	100.0%
1998	503,415	297,421	194,440	341,039	265550.1	1,601,866		31.4%	18.6%	12.1%	21.3%	16.6%	100.0%
1999	380,234	135,750	153,409	290,099	216872.5	1,176,364		32.3%	11.5%	13.0%	24.7%	18.4%	100.0%
2000	663,490	380,069	263,751	521,548	412329.7	2,241,187		29.6%	17.0%	11.8%	23.3%	18.4%	100.0%
2001	468,124	307,880	237,558	406,389	335691.8	1,755,642		26.7%	17.5%	13.5%	23.1%	19.1%	100.0%
2002	646,600	426,026	358,833	560,196	478401.3	2,470,056		26.2%	17.2%	14.5%	22.7%	19.4%	100.0%
2003	560,165	350,134	294,920	523,399	417828.8	2,146,447		26.1%	16.3%	13.7%	24.4%	19.5%	100.0%
2004	468,435	312,953	271,677	474,387	364028.6	1,891,480		24.8%	16.5%	14.4%	25.1%	19.2%	100.0%
2005	428,114	242,494	239,464	429,618	321,121	1,660,811		25.8%	14.6%	14.4%	25.9%	19.3%	100.0%
Average 1981-2000	413,439	236,262	183,027	348,263	242,230	1,423,221		29.0%	16.6%	12.9%	24.5%	17.0%	100.0%

81-04	432,833	259,621	206,729	382,698	276,998	1,569,507		27.6%	16.5%	13.2%	24.4%	17.6%	99.3%
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year	Upper Republican (acre-ft)	Middle Republican (acre-ft)	Lower Republican (acre-ft)	Tri-Basin (acre-ft)	Other (acre-ft)	Total Impact (acre-ft)	NE Impact (acre-ft)	Upper Republican (%)	Middle Republican (%)	Lower Republican (%)	Tri-Basin (%)	Other (%)	Total (%)
1981	50,771	47,662	34,285	6,430	127	139,275		36.5%	34.2%	24.6%	4.6%	0.1%	100.0%
1982	50,778	39,540	32,510	5,403	140	128,371		39.6%	30.8%	25.3%	4.2%	0.1%	100.0%
1983	47,117	30,077	31,661	5,308	176	114,339		41.2%	26.3%	27.7%	4.6%	0.2%	100.0%
1984	51,033	40,042	34,005	5,300	-105	130,275		39.2%	30.7%	26.1%	4.1%	-0.1%	100.0%
1985	55,514	45,318	38,381	7,955	203	147,371		37.7%	30.8%	26.0%	5.4%	0.1%	100.0%
1986	53,350	39,330	32,852	6,008	36	131,576		40.5%	29.9%	25.0%	4.6%	0.0%	100.0%
1987	56,840	43,808	34,431	7,675	160	142,914		39.8%	30.7%	24.1%	5.4%	0.1%	100.0%
1988	57,229	38,740	33,812	6,051	270	136,102		42.0%	28.5%	24.8%	4.4%	0.2%	100.0%
1989	56,937	37,409	33,521	7,007	355	135,229		42.1%	27.7%	24.8%	5.2%	0.3%	100.0%
1990	60,916	42,208	35,024	8,071	391	146,610		41.5%	28.8%	23.9%	5.5%	0.3%	100.0%
1991	63,031	45,852	36,623	7,526	541	153,573		41.0%	29.9%	23.8%	4.9%	0.4%	100.0%
1992	65,634	53,720	38,260	11,062	539	169,215		38.8%	31.7%	22.6%	6.5%	0.3%	100.0%
1993	73,008	52,256	40,980	11,011	636	177,891		41.0%	29.4%	23.0%	6.2%	0.4%	100.0%
1994	62,266	37,051	40,368	8,667	631	148,983		41.8%	24.9%	27.1%	5.8%	0.4%	100.0%
1995	70,391	49,689	46,749	9,666	656	177,151		39.7%	28.0%	26.4%	5.5%	0.4%	100.0%
1996	79,901	63,741	46,763	13,106	779	204,290		39.1%	31.2%	22.9%	6.4%	0.4%	100.0%
1997	68,944	45,154	44,775	10,830	801	170,504		40.4%	26.5%	26.3%	6.4%	0.5%	100.0%
1998	72,091	44,966	42,582	10,175	821	170,635		42.2%	26.4%	25.0%	6.0%	0.5%	100.0%
1999	79,557	56,416	42,901	12,746	911	192,531		41.3%	29.3%	22.3%	6.6%	0.5%	100.0%
2000	72,858	39,637	43,258	10,579	888	167,220		43.6%	23.7%	25.9%	6.3%	0.5%	100.0%
2001	76,913	61,776	43,891	12,579	1022	196,181		39.2%	31.5%	22.4%	6.4%	0.5%	100.0%
2002	66,937	41,262	38,652	7,672	993	155,516		43.0%	26.5%	24.9%	4.9%	0.6%	100.0%
2003	72,315	37,052	44,131	10,794	937	165,229		43.8%	22.4%	26.7%	6.5%	0.6%	100.0%
2004	67,786	43,700	48,026	12,648	926	173,086		39.2%	25.2%	27.7%	7.3%	0.5%	100.0%
2005	66,268	49,496	48,644	13,764	1198	179,370		36.9%	27.6%	27.1%	7.7%	0.7%	100.0%
Average 1981-2000	62,408	44,631	38,187	8,529	448	154,203		40.5%	28.9%	24.8%	5.5%	0.3%	100.0%

81-04	63,838	44,850	39,102	8,928	535	157,253		40.6%	28.5%	24.9%	5.7%	0.3%	100.0%
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