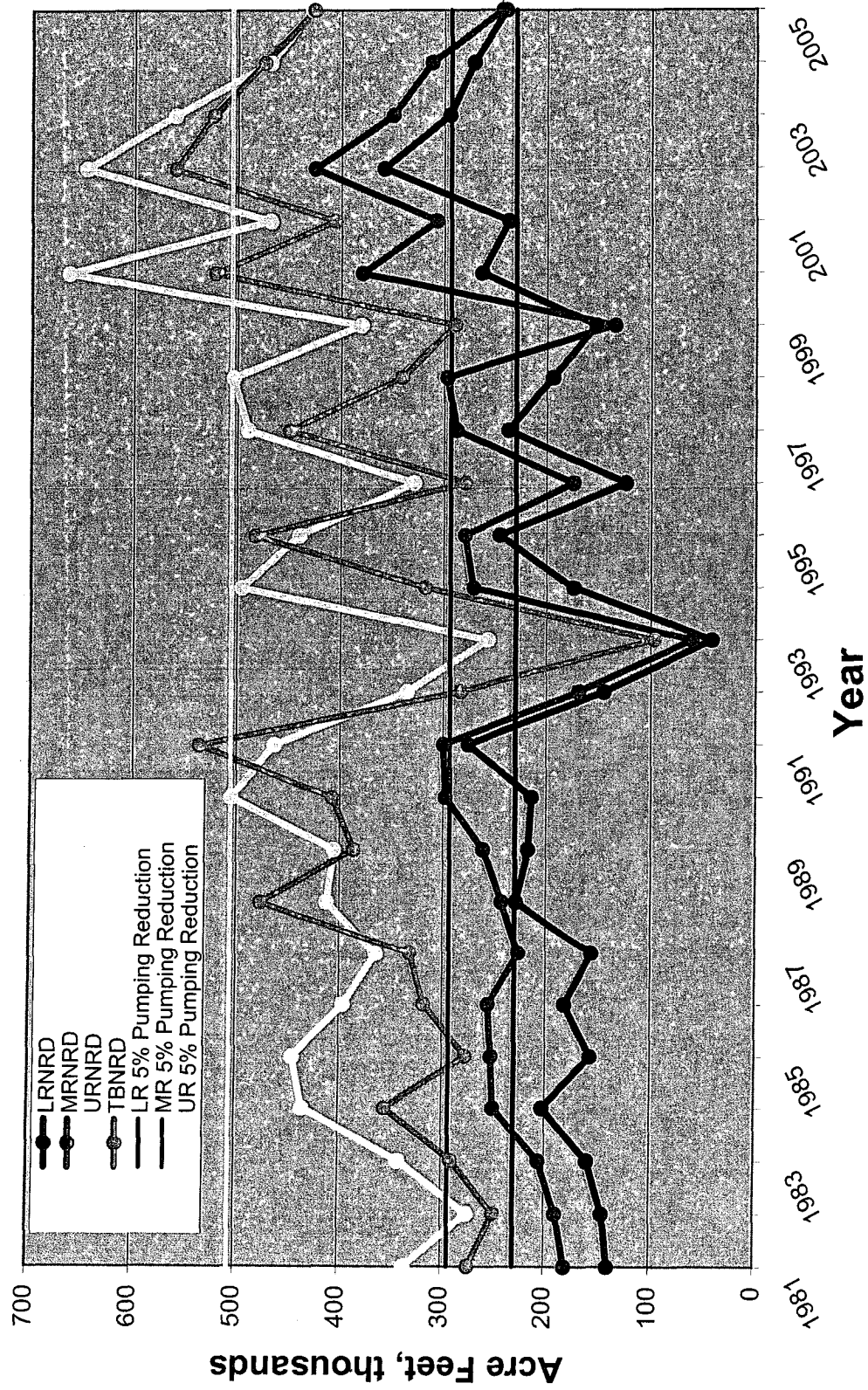
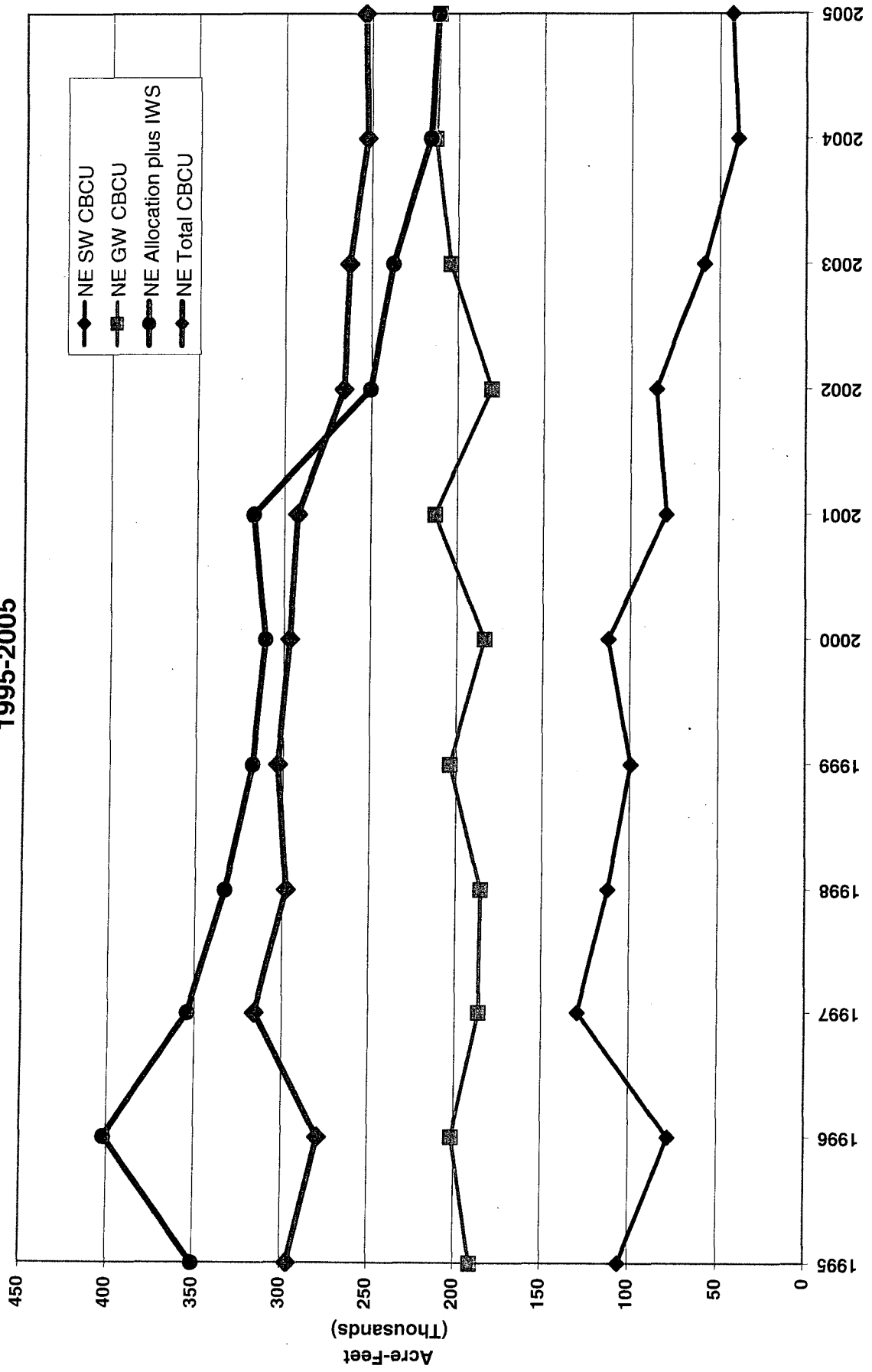


# Republican Model Region Groundwater Pumping by NRD

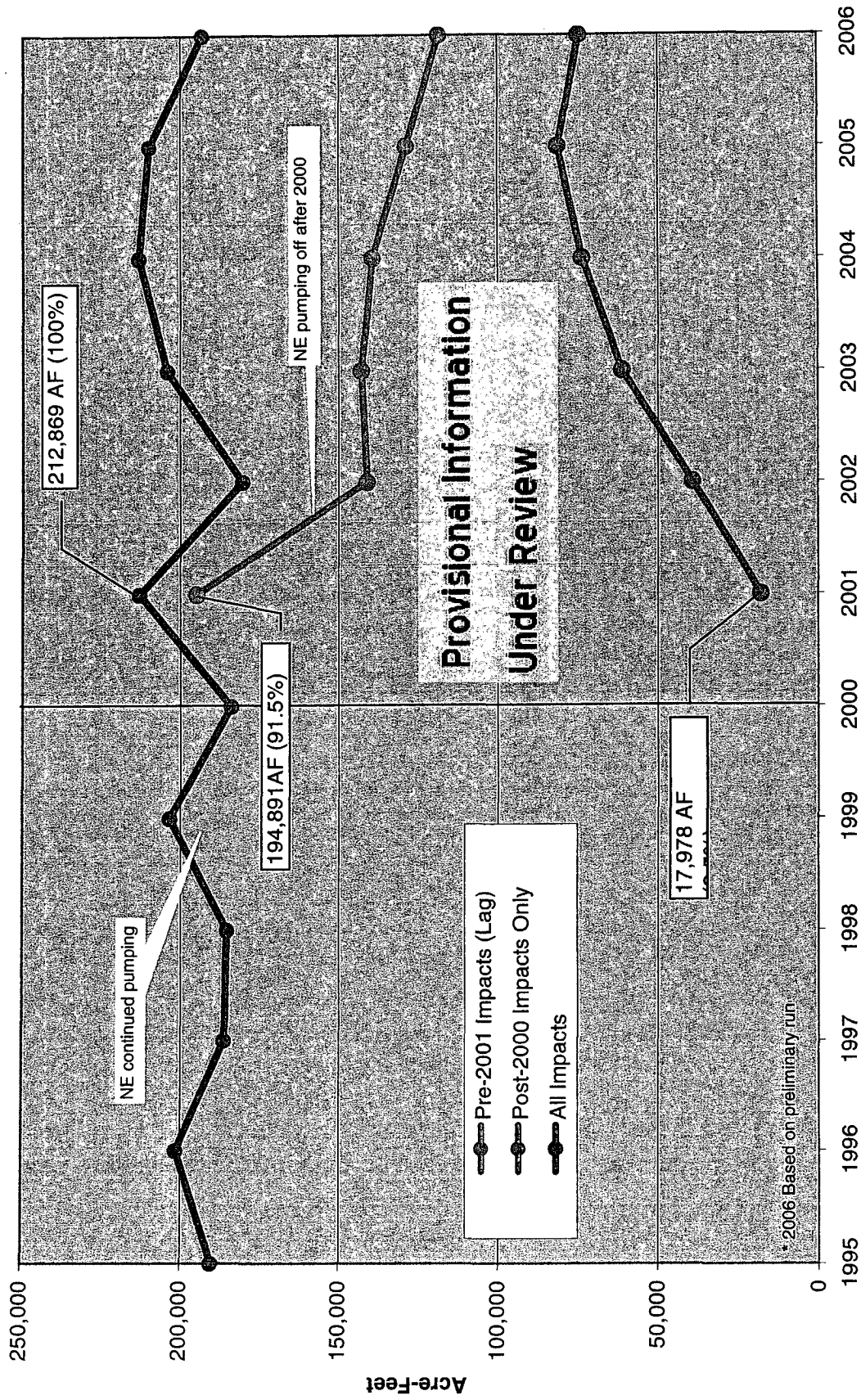


NRD\_Impacts81\_Ongoing\_PK.xls

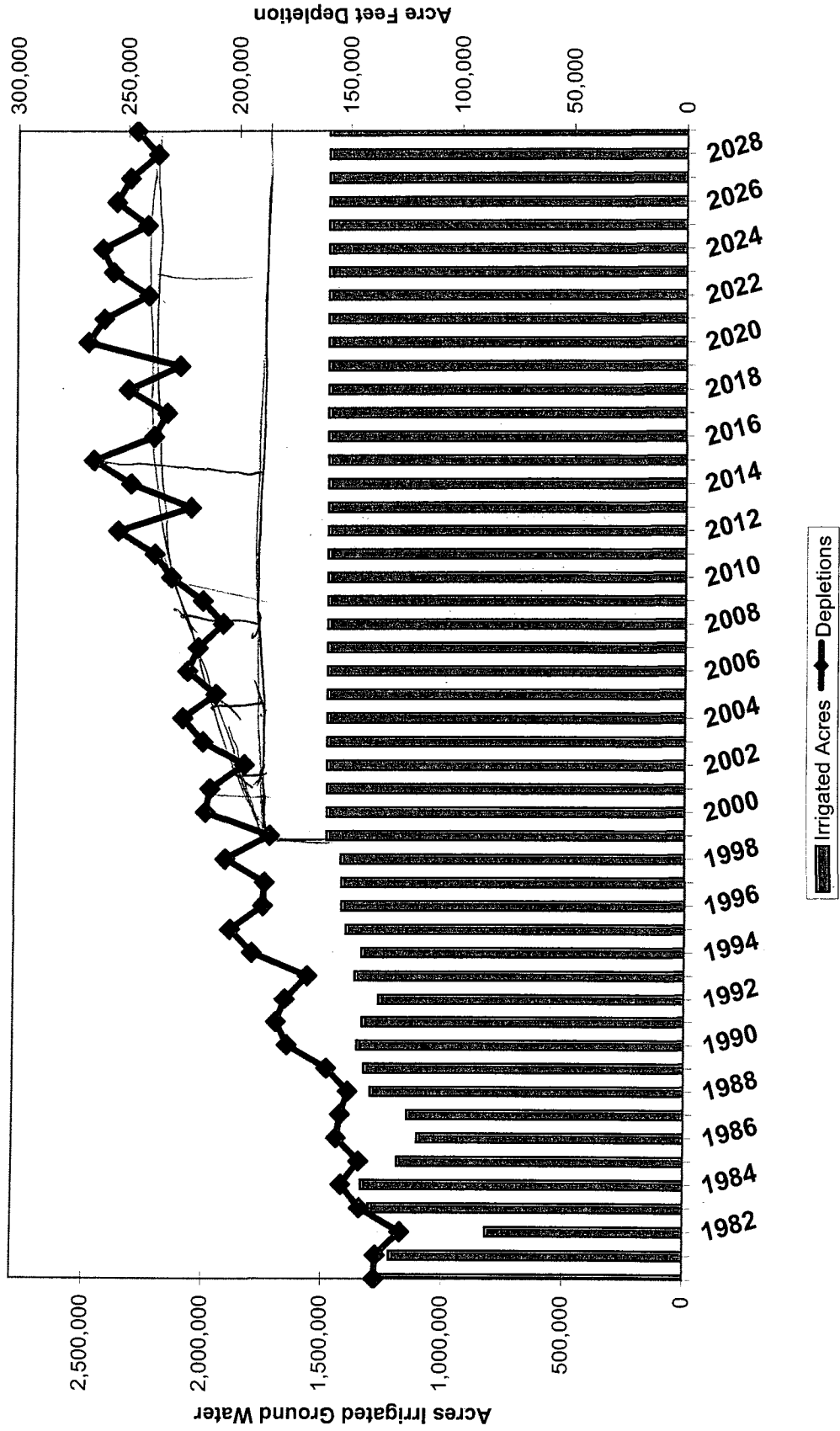
# Republican River Compact Data 1995-2005



# Nebraska Stream Baseflow Impact Components, 2001 - 2006



Lagged Depletions to Stream Flow



**TABLE 1  
HISTORICAL NEBRASKA ALLOCATION, CBCU, AND IWS CREDIT**

Year	Allocation	CBCU	IWS Credit	Alloc-(CBCU-IWS)	GW CBCU	SW CBCU
1995	332,550	295,880	17,902	54,572	190,317	105,581
1996	377,300	278,900	24,394	122,794	201,532	77,366
1997	337,700	315,680	16,434	38,454	186,345	129,340
1998	315,410	297,750	17,677	35,337	185,460	112,301
1999	299,050	302,890	18,444	14,604	203,488	99,390
2000	291,920	296,530	18,656	14,046	184,020	112,493
2001	299,380	292,320	18,242	25,302	212,871	79,446
2002	236,550	265,910	13,996	-15,364	180,438	85,465
2003	227,580	262,780	9,780	-25,420	204,165	58,614
2004	205,630	252,650	10,380	-36,640	213,115	39,530
2005	198,940	252,690	11,965	-41,785	210,879	41,803
Averages						
1995-2005	283,819		16,170		197,512	85,575
2000-2005	243,333		13,837		200,915	69,559
2003-2005	210,717		10,708		209,386	46,649

1995-1999 352,402 279,000

2000-2005 243,333 270,440

193,428 104,795

200881 69,560

year	UR	MR	LR	TB	Other	Total Impact (acre-ft)UR	MR	LR	TB	Other	
1981	50,771	47,662	34,285	6,430	127	139,275	36.5%	34.2%	24.6%	4.6%	0.1%
1982	50,778	39,540	32,510	5,403	140	128,371	39.6%	30.8%	25.3%	4.2%	0.1%
1983	47,117	30,077	31,661	5,308	176	114,339	41.2%	26.3%	27.7%	4.6%	0.2%
1984	51,033	40,042	34,005	5,300	-105	130,275	39.2%	30.7%	26.1%	4.1%	-0.1%
1985	55,514	45,318	38,381	7,955	203	147,371	37.7%	30.8%	26.0%	5.4%	0.1%
1986	53,350	39,330	32,852	6,008	36	131,576	40.5%	29.9%	25.0%	4.6%	0.0%
1987	56,840	43,808	34,431	7,675	160	142,914	39.8%	30.7%	24.1%	5.4%	0.1%
1988	57,229	38,740	33,812	6,051	270	136,102	42.0%	28.5%	24.8%	4.4%	0.2%
1989	56,937	37,409	33,521	7,007	355	135,229	42.1%	27.7%	24.8%	5.2%	0.3%
1990	60,916	42,208	35,024	8,071	391	146,610	41.5%	28.8%	23.9%	5.5%	0.3%
1991	63,031	45,852	36,623	7,526	541	153,573	41.0%	29.9%	23.8%	4.9%	0.4%
1992	65,634	53,720	38,260	11,062	539	169,215	38.8%	31.7%	22.6%	6.5%	0.3%
1993	73,008	52,256	40,980	11,011	636	177,891	41.0%	29.4%	23.0%	6.2%	0.4%
1994	62,266	37,051	40,368	8,667	631	148,983	41.8%	24.9%	27.1%	5.8%	0.4%
1995	70,391	49,689	46,749	9,666	656	177,151	39.7%	28.0%	26.4%	5.5%	0.4%
1996	79,901	63,741	46,763	13,106	779	204,290	39.1%	31.2%	22.9%	6.4%	0.4%
1997	68,944	45,154	44,775	10,830	801	170,504	40.4%	26.5%	26.3%	6.4%	0.5%
1998	72,091	44,966	42,582	10,175	821	170,635	42.2%	26.4%	25.0%	6.0%	0.5%
1999	79,557	56,416	42,901	12,746	911	192,531	41.3%	29.3%	22.3%	6.6%	0.5%
2000	72,858	39,637	43,258	10,579	888	167,220	43.6%	23.7%	25.9%	6.3%	0.5%
2001	76,913	61,776	43,891	12,579	1,022	196,181	39.2%	31.5%	22.4%	6.4%	0.5%
2002	66,937	41,262	38,652	7,672	993	155,516	43.0%	26.5%	24.9%	4.9%	0.6%
2003	72,315	37,052	44,131	10,794	937	165,229	43.8%	22.4%	26.7%	6.5%	0.6%
2004	67,786	43,700	48,026	12,648	926	173,086	39.2%	25.2%	27.7%	7.3%	0.5%
2005	66,268	49,496	48,644	13,764	1,198	179,370	36.9%	27.6%	27.1%	7.7%	0.7%
Average	62,408	44,631	38,187	8,529	448	154,203	40.5%	28.9%	24.8%	5.5%	0.3%

40 25.1 27.2 7.2 '6  
 Prioritize areas bang for buck  
 locate well fields out of QRW  
 Not happy with UR vented  
 water. (14-15")

206,372 101,101  
 130,248  
 X 68,790 43,416 46,934 -12,402 (1020) 172,562  
 153,498  
 159,512  
 164,408  
 159,139 X  
 436 27% (29%)  
 15940

# Percentages of Total Baseflow Impacts, 1981 - 2005, Republican Basin NRDs

