

NEBRASKA'S SHARE

Frenchman Ck NE	76.34%
Rock Creek	69.40%
Buffalo Creek	65.81%
Red Willow Ck NE	58.78%
Driftwood Creek	54.03%
Medicine Creek	53.62%
North Fork CO	50.59%
Sappa Creek	49.82%
Blackwood Creek	49.00%
Mainstem	49.00%
Beaver Creek	40.90%
Prairie Dog Creek	30.51%
Arikaree River	16.83%
South Fork	8.25%

lit/601/Nebraska's Share.xls

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Pumpage and Ground Water Irrigated Acres by NRD

38%
22%
17%

NRD	Volume Pumped			Irrigated Acres	
	Average 1998-2002	5% Reduction	10% Reduction	Estimated Total GW Irrigated Acres 2002	Estimated Certified GW Acres
URNRD	531,763	505,175	478,587	455,031	448,716
MRNRD	309,479	294,005	278,531	290,191	335,000
LRNRD	242,289	230,175	218,060	277,503	330,000

3.5" = 504805^A
+ 15.4%
+ 18.9%

1,083,531

511,904

Water Short Year Reduction by NRD Percentage Based on Percentage Depletion 1998-2002

URNRD	MRNRD	LRNRD	Total
44%	30%	26%	100%
Acre Feet	Acre Feet	Acre Feet	Acre Feet
8800	6000	5200	20000
11000	7500	6500	25000
13200	9000	7800	30000
17600	12000	10400	40000

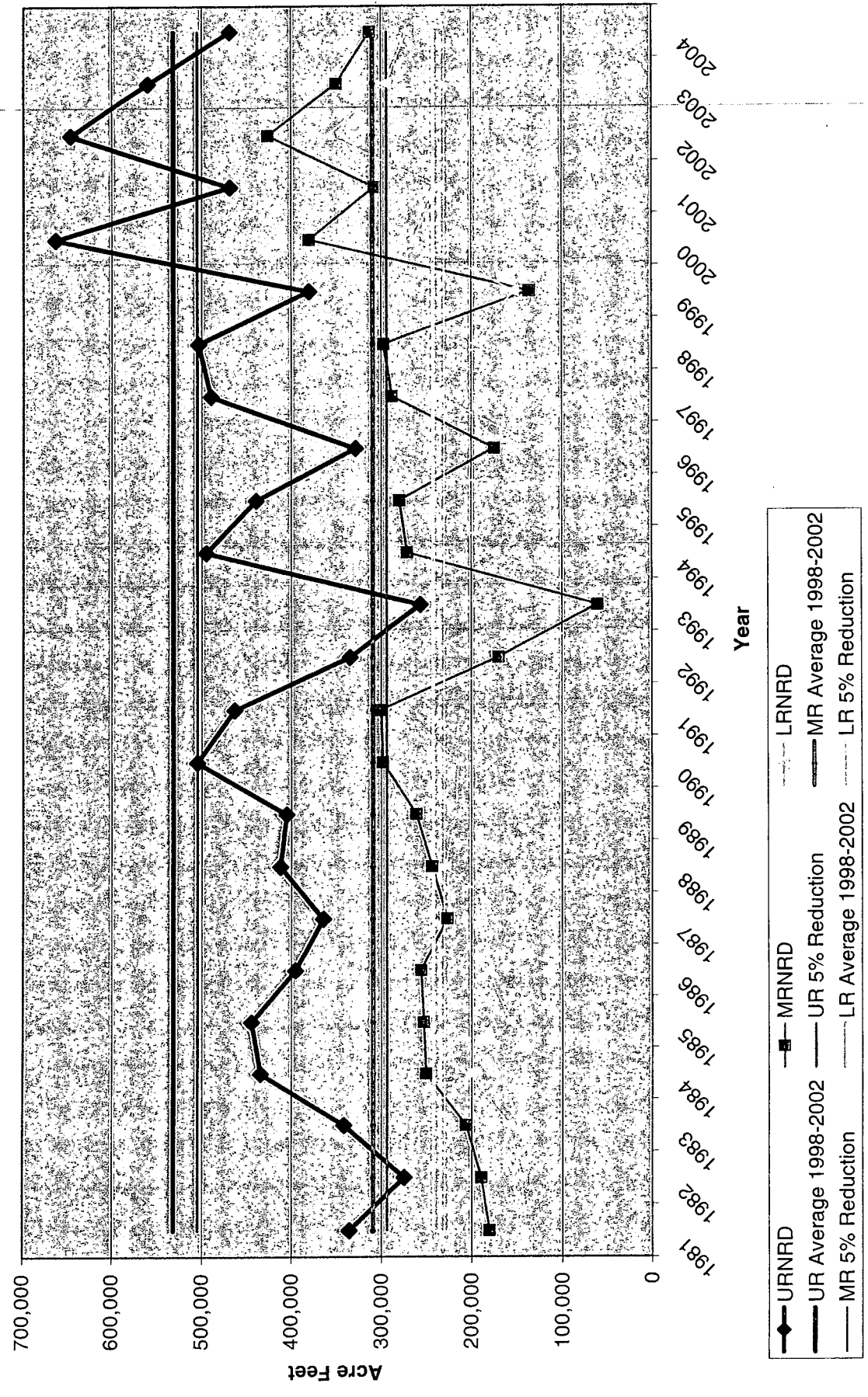
Depletions % - total depletions

40,000 - water short over use

my guess July 2004 10% reduction overall + 50% reduction GRW -

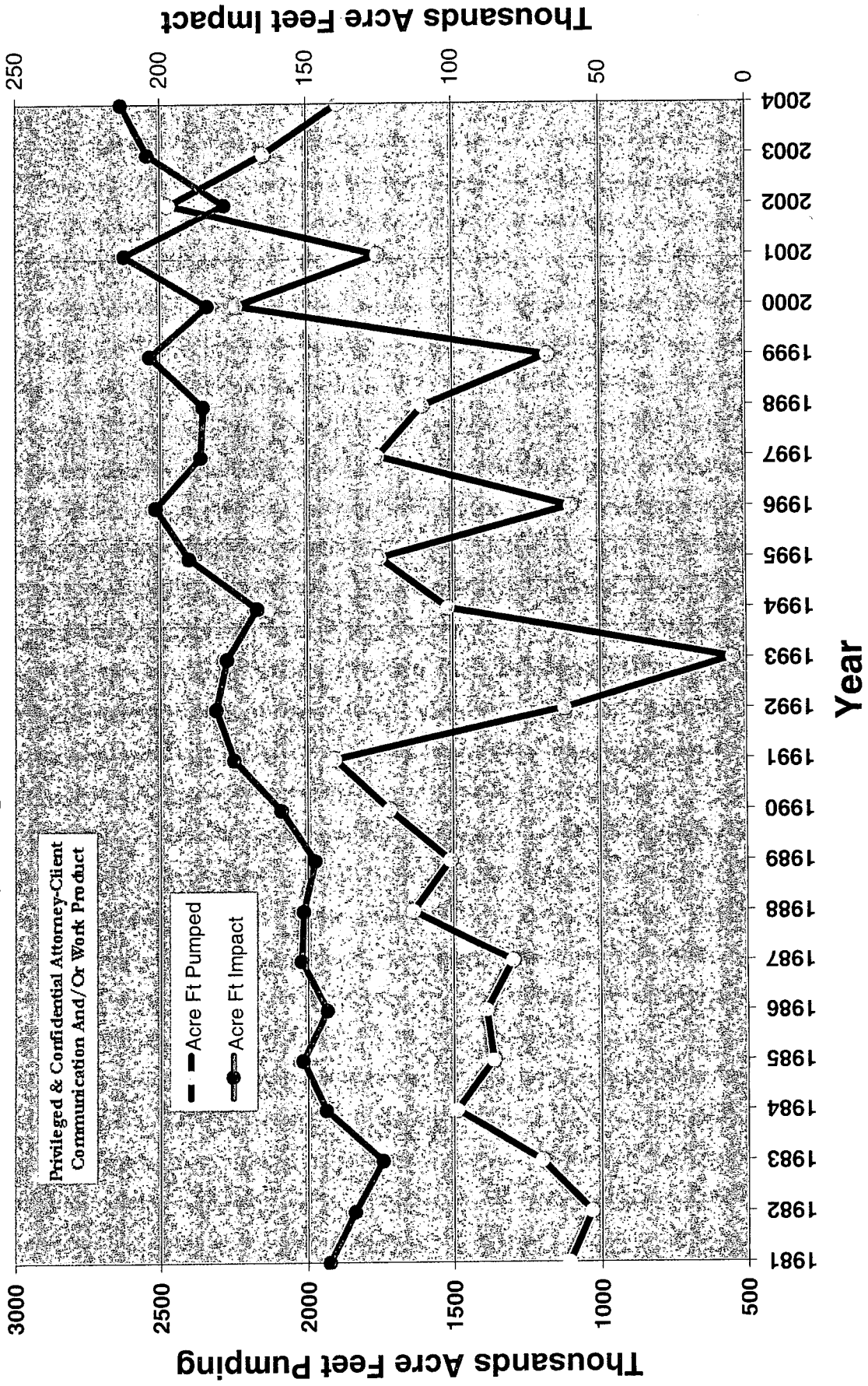
Anna's orig.

Ground Water Pumping and Targets in the Republican Basin



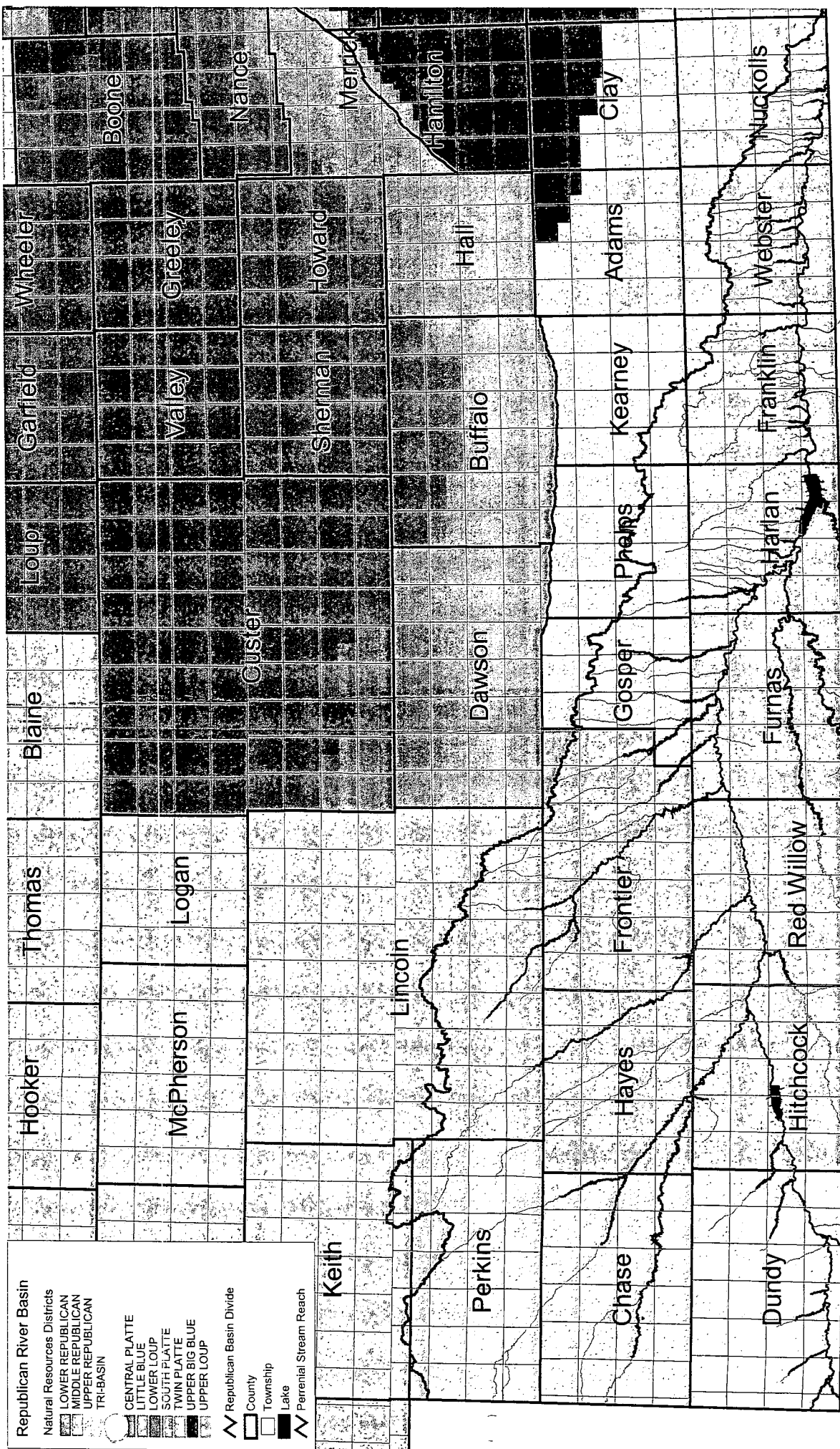
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NE Pumping -vs- Stream Impacts



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---○--- Acre Ft Pumped
—●— Acre Ft Impact



Republican River Basin

Natural Resources Districts

- LOWER REPUBLICAN
- MIDDLE REPUBLICAN
- UPPER REPUBLICAN
- TRI-BASIN

CENTRAL PLATTE
 LITTLE BLUE
 LOWER LOUP
 SOUTH PLATTE
 TWIN PLATTE
 UPPER BIG BLUE
 UPPER LOUP

Republican Basin Divide
 County
 Township
 Lake
 Perennial Stream Reach

August 4, 2004

50 Miles

10 0 10 20 30 40 50 Miles

Stateplane Projection NAD 1983 - Feet

Keith Thompson