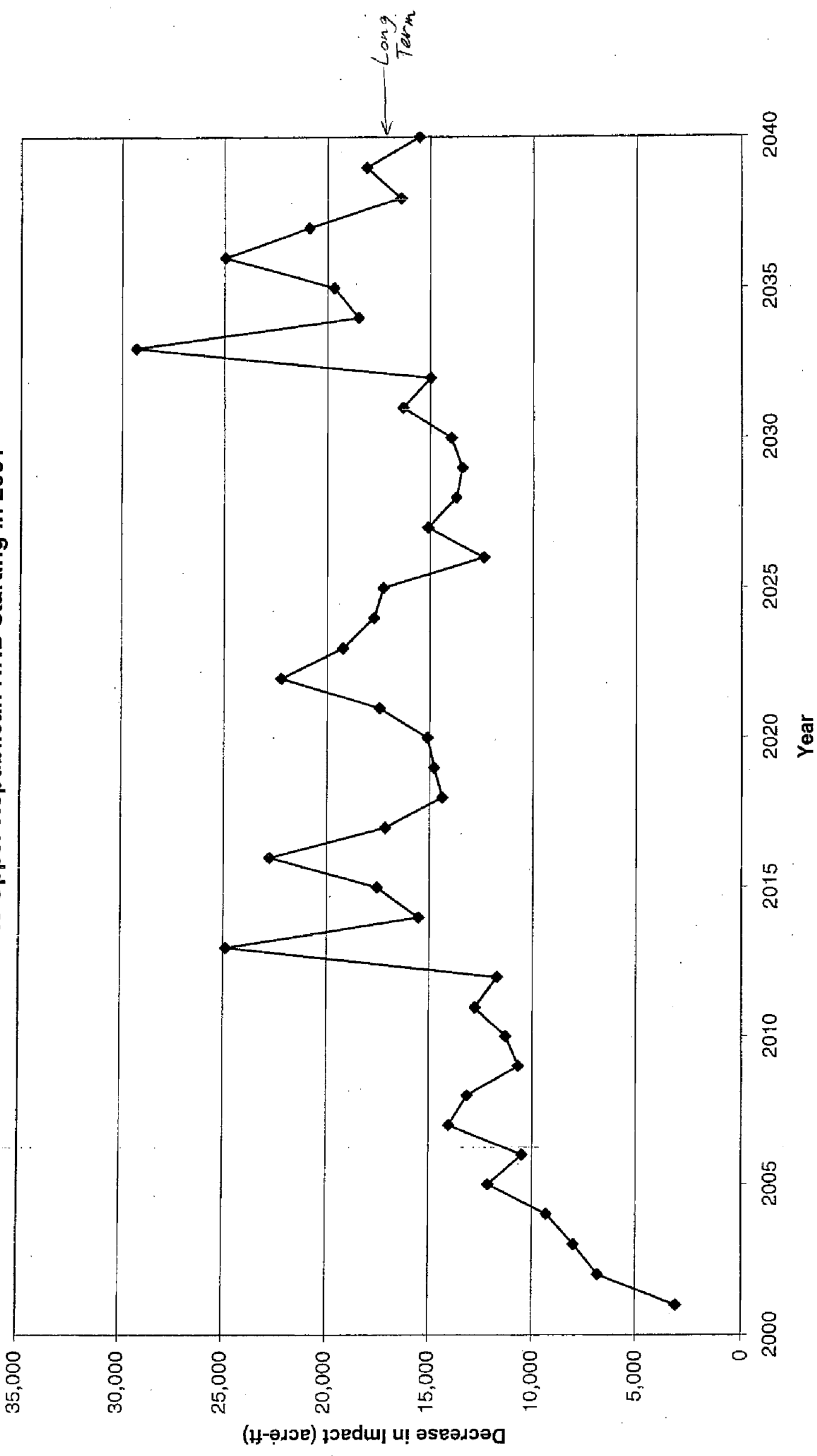


Discussion Packet - Not All Used

14

Reduction in Impact for Reducing Pumping by 10% then by 25% in cells within 1 mile of stream cells in the Upper Republican NRD starting in 2001



Results of simulation for 2001 to 2040, where pumping has been reduced everywhere by 10% with an additional reduction of 25% in cells within 1 mile of the stream cells in the Upper Republican NRD. Otherwise the same as the baseline run.

Tab Name

-10%+25%UP 1 mi str Cell Impact

Total Flow 2001 to 2040

Reduction 10%+25%UP 1m str cells

Baseline Impact

Impact Chart

Reduction Chart

1981 to 2000 Total Flow

Baseflow 1981-2000 12s

Annual acre-ft 2001 to 2040

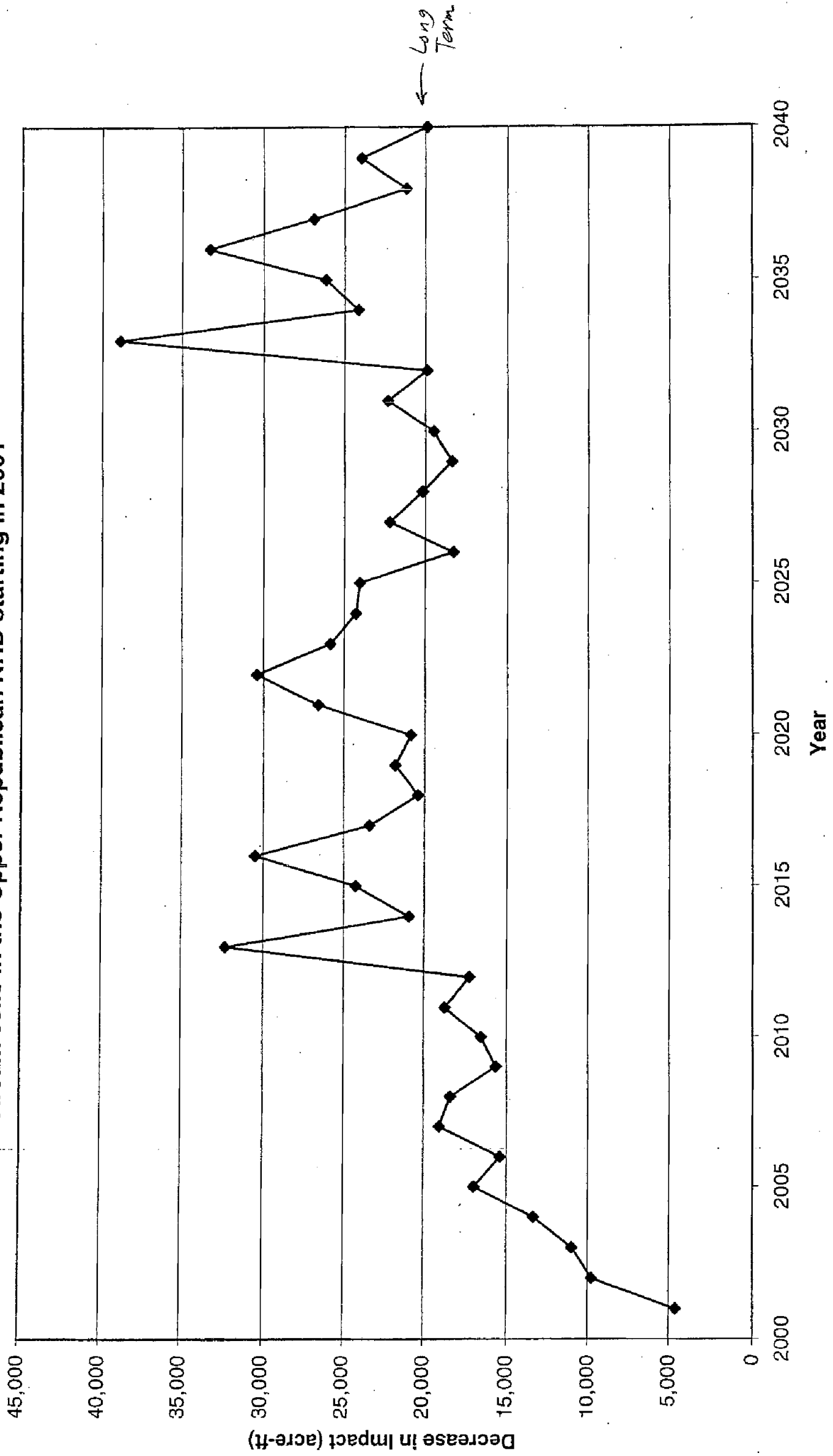
Annual cfs 2001 to 2040

12p_ne10_str1_25up_diff

Lookup

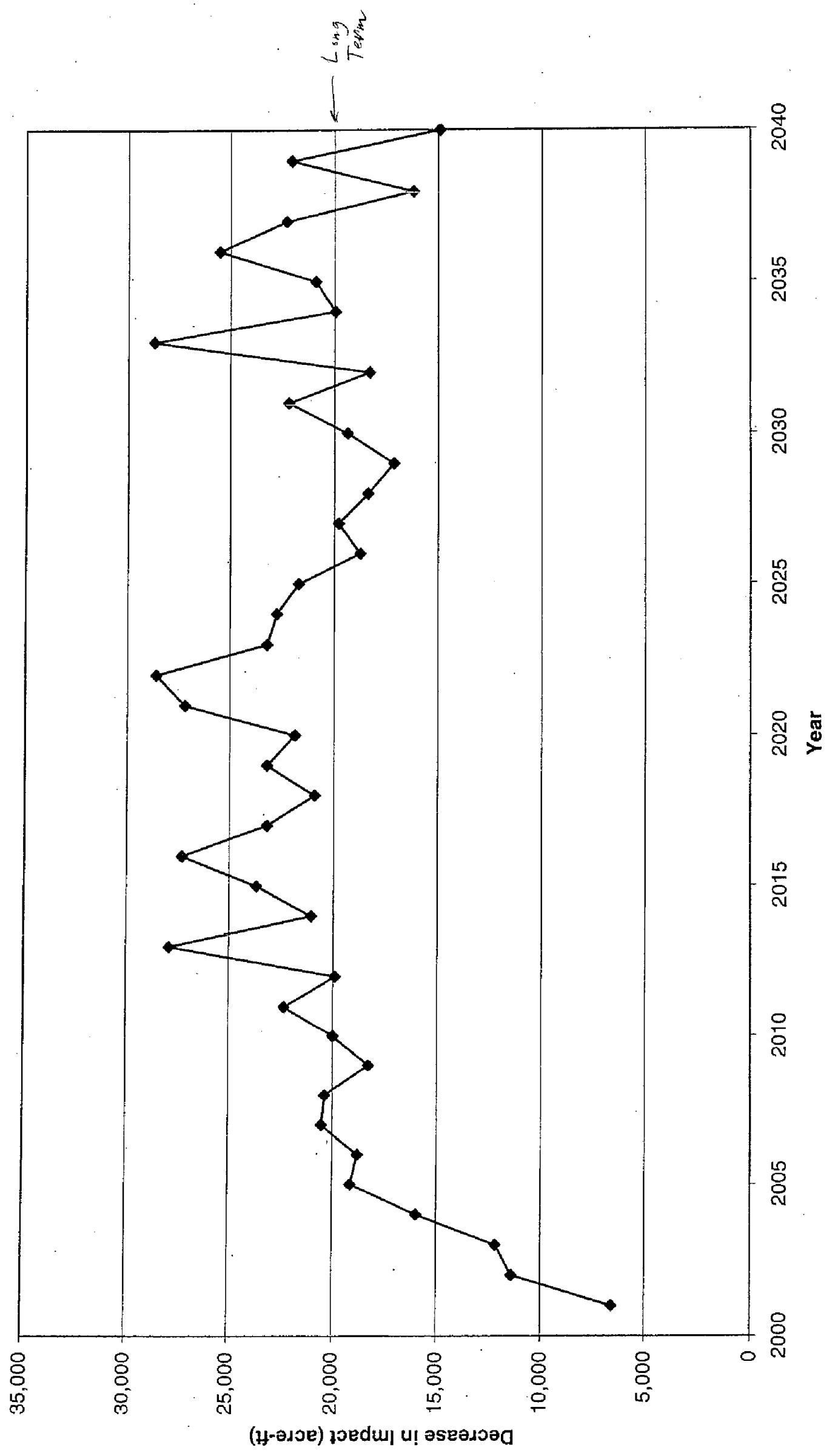
④

Reduction in Impact for Reducing Pumping by 10% then by 50% in cells within 1 mile of stream cells in the Upper Republican NRD starting in 2001



6

Reduction in Impact for Eliminating Pumping in the URNRD QR Cells starting in 2001



Results of simulation for 2001 to 2040, where non-municipal pumping has been eliminated in the URNRD in QR cells. Otherwise the same as the baseline run.

Tab Name

URNRD QR Cell Impact

Total Flow 2001 to 2040

Reduction URNRD QR cells

Baseline Impact

Impact Chart

Reduction Chart

1981 to 2000 Total Flow

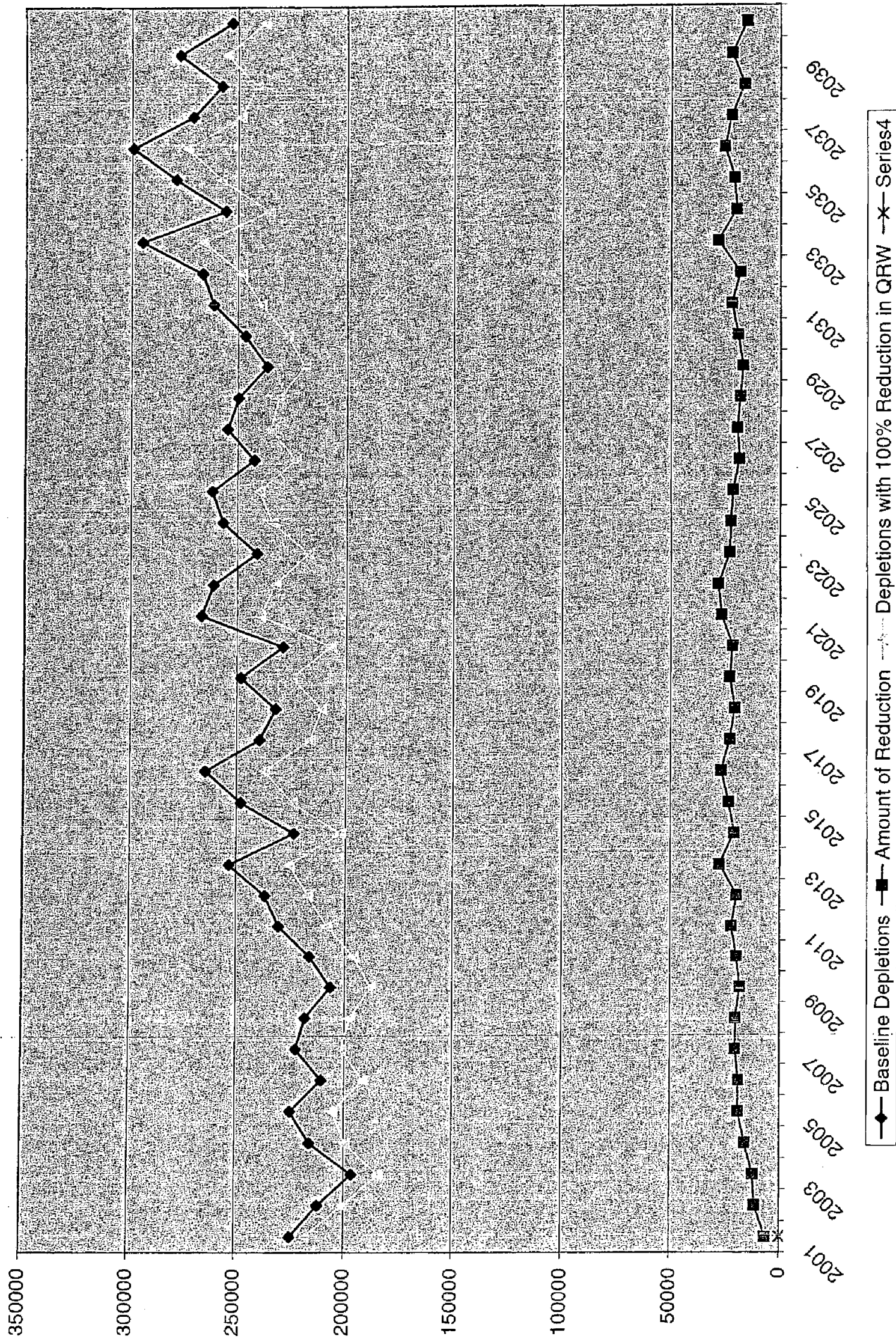
Baseflow 1981-2000 12s

Annual acre-ft 2001 to 2040

Annual cfs 2001 to 2040

12p_upqr_off_diff

Lookup

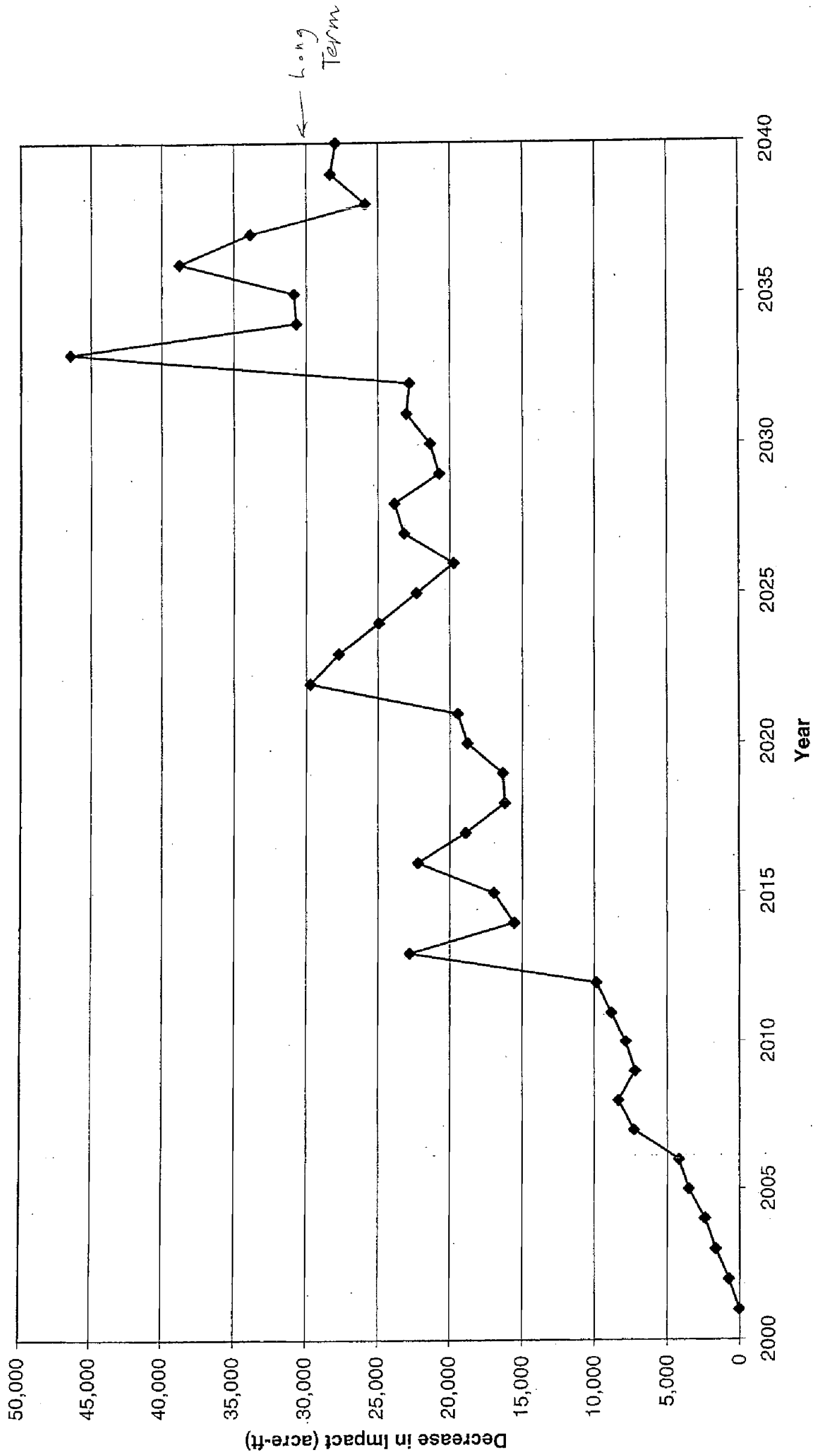


Impact Reduction for Eliminating Pumping in the URNRD_Quick Response Cells Only.xls

Chart2

2

Reduction in Impact for Eliminating Pumping in the URNRD Upland Cells starting in 2001



Results of simulation for 2001 to 2040, where non-municipal pumping has been eliminated in the URNRD in Upland cells. Otherwise the same as the baseline run.

Tab Name

URNRD Upland Cell Impact

Total Flow 2001 to 2040

Reduction URNRD Upland cells

Baseline Impact

Impact Chart

Reduction Chart

1981 to 2000 Total Flow

Baseflow 1981-2000 12s

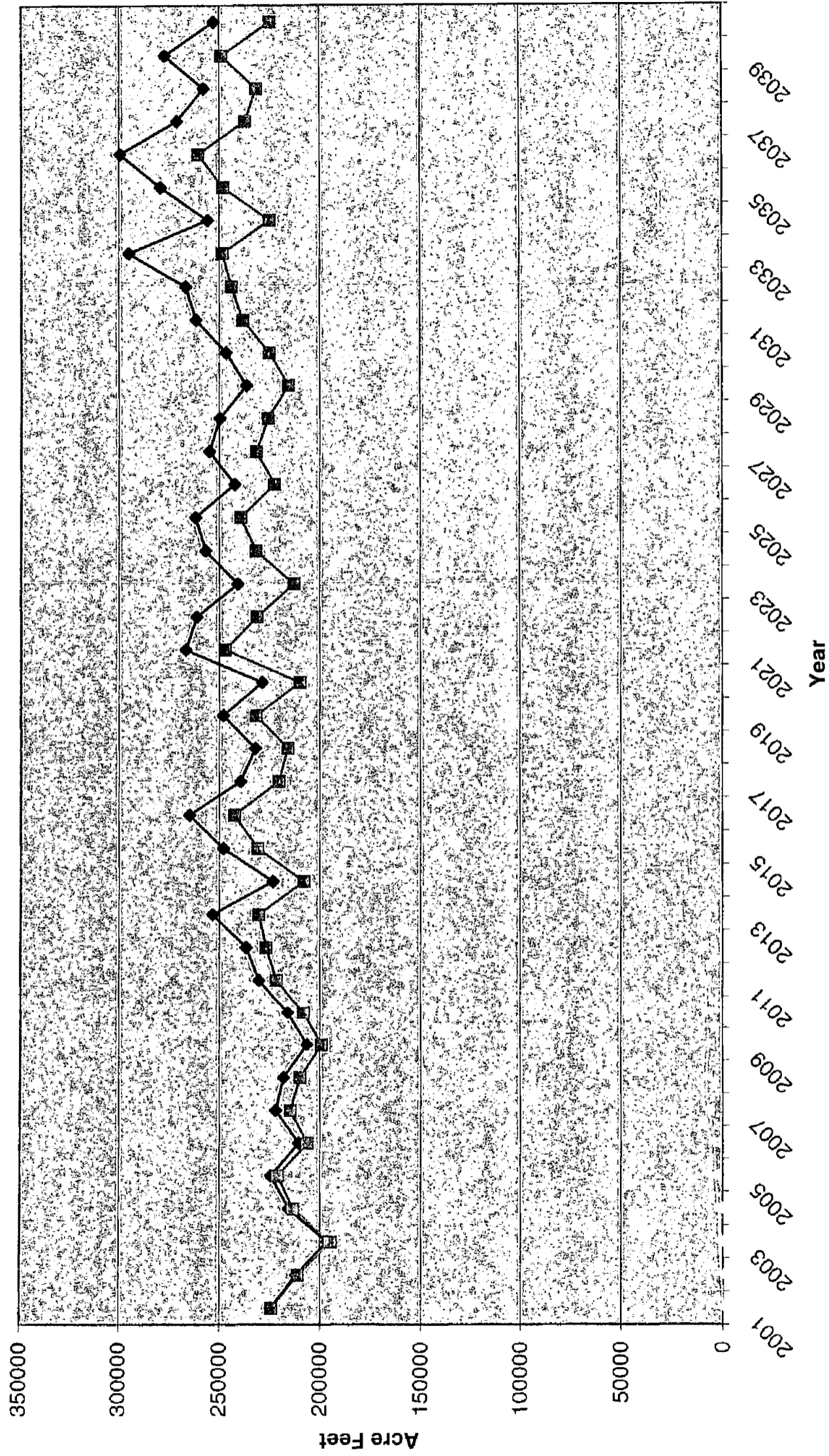
Annual acre-ft 2001 to 2040

Annual cfs 2001 to 2040

12p_upup_off_diff

Lookup

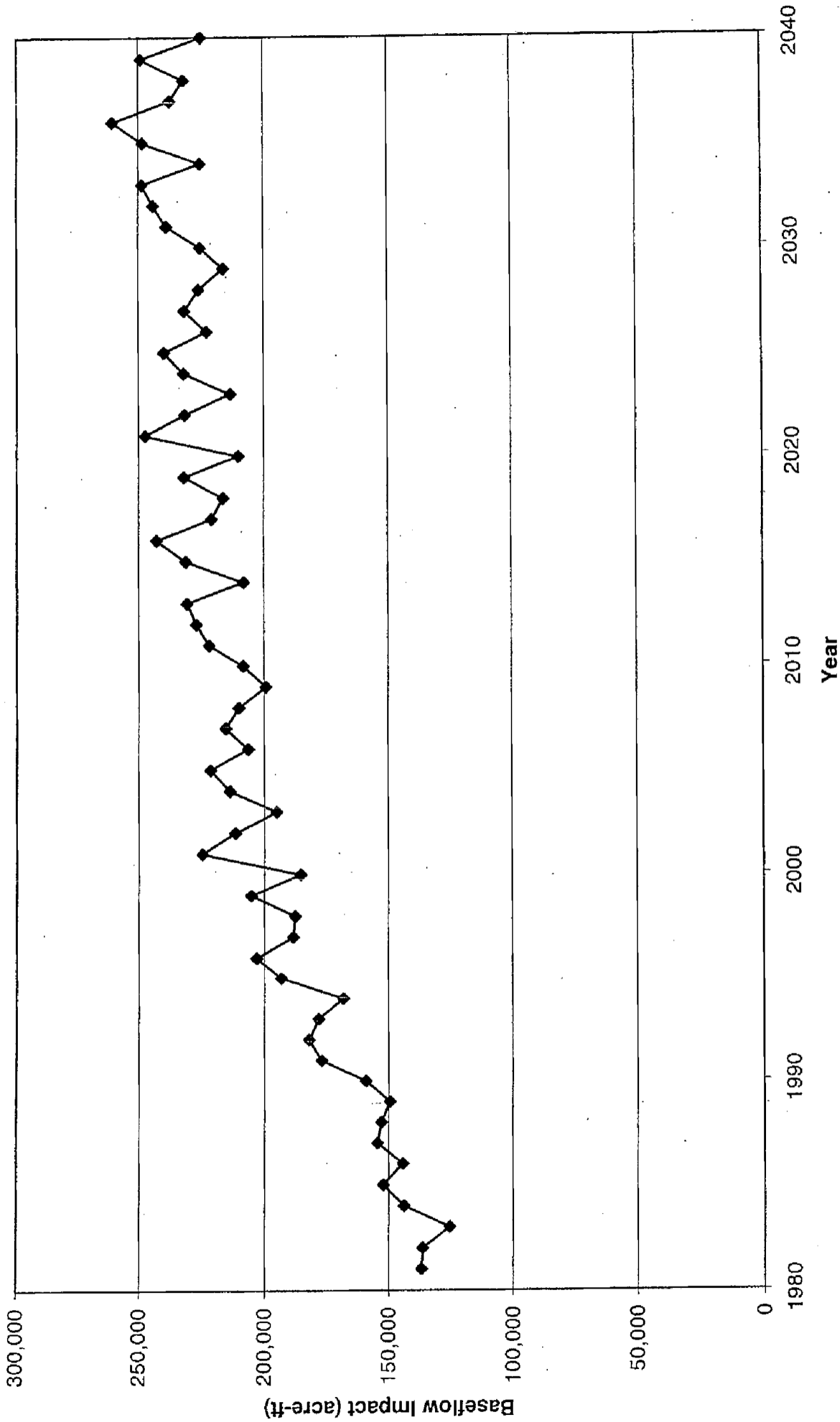
Eliminate Pumping from Upland Wells



Legend:
 -◆- Baseline Impact
 -■- Impact Without UR Upland Wells+Reduction Upland URNRD cells!
 -◇- Reduction

Need Baseline w/ All wells operating for comparison

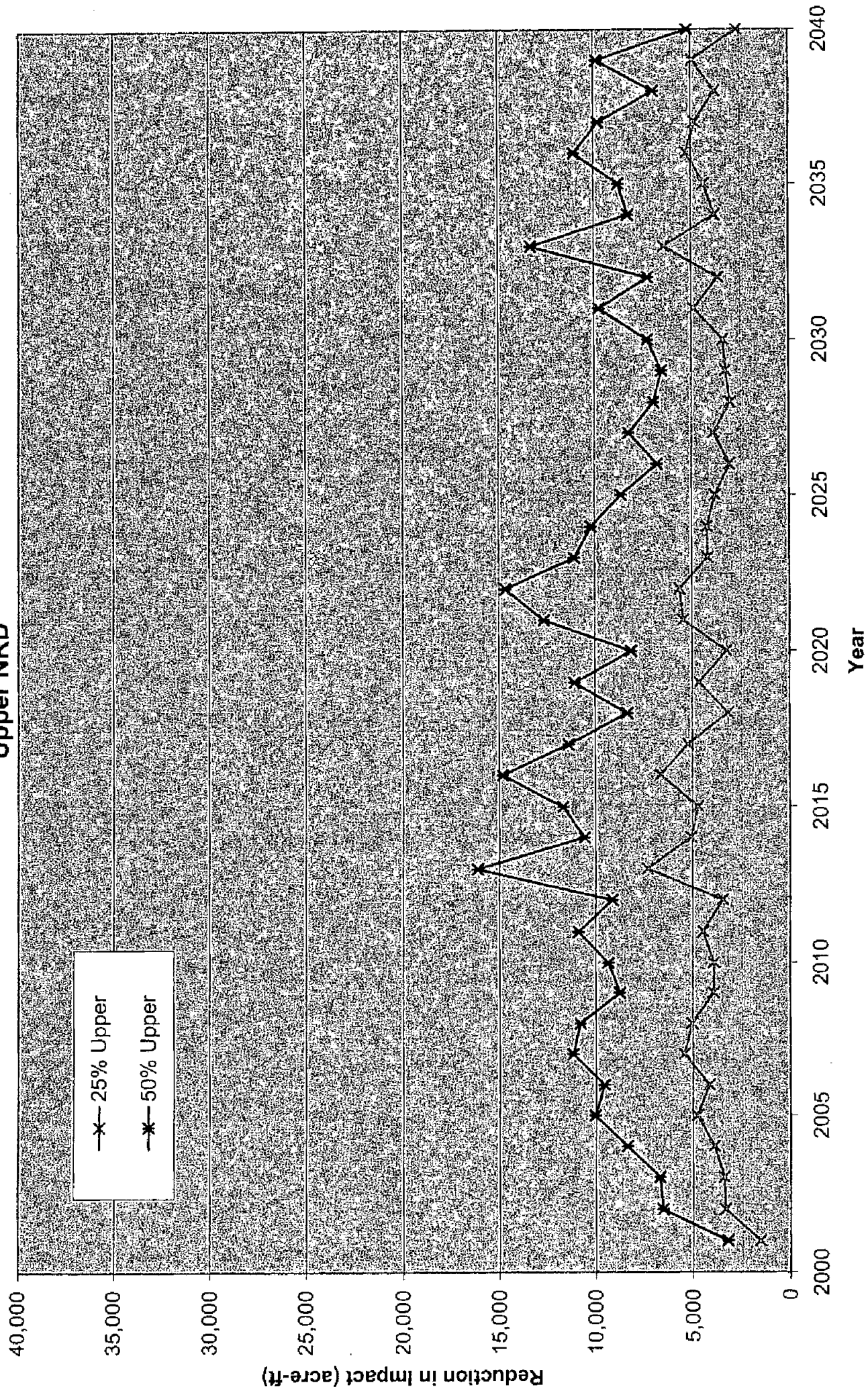
Impact of Eliminating Pumping in the URNRD Upland Cells starting in 2001



Impact Reduction for Eliminating Pumping in the URNRD _Upland Cells Only.xls

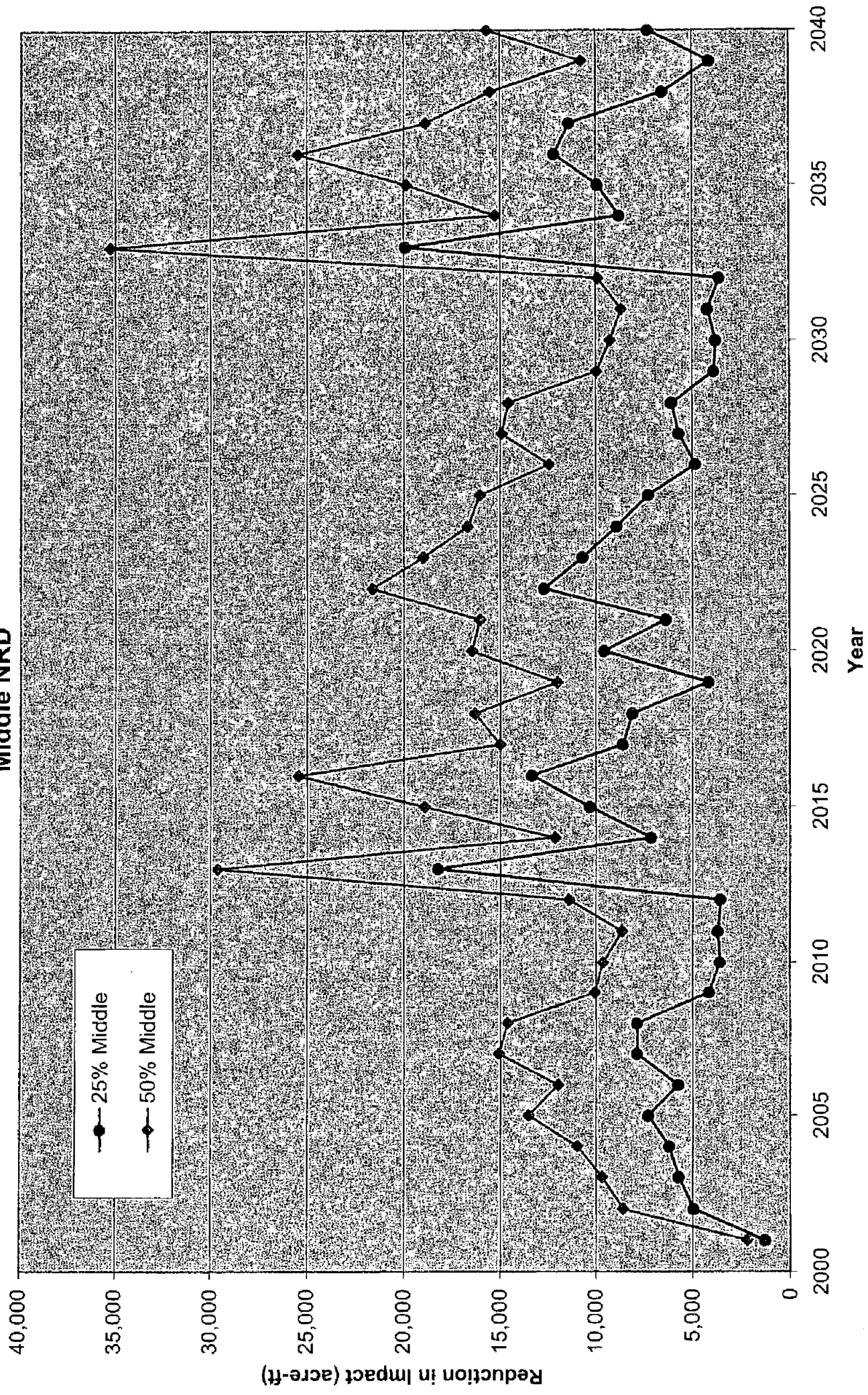
Impact Chart

Impact Reduction for a Reduction in Pumping in Cells within 1-mile of Stream Cells by the Upper NRD

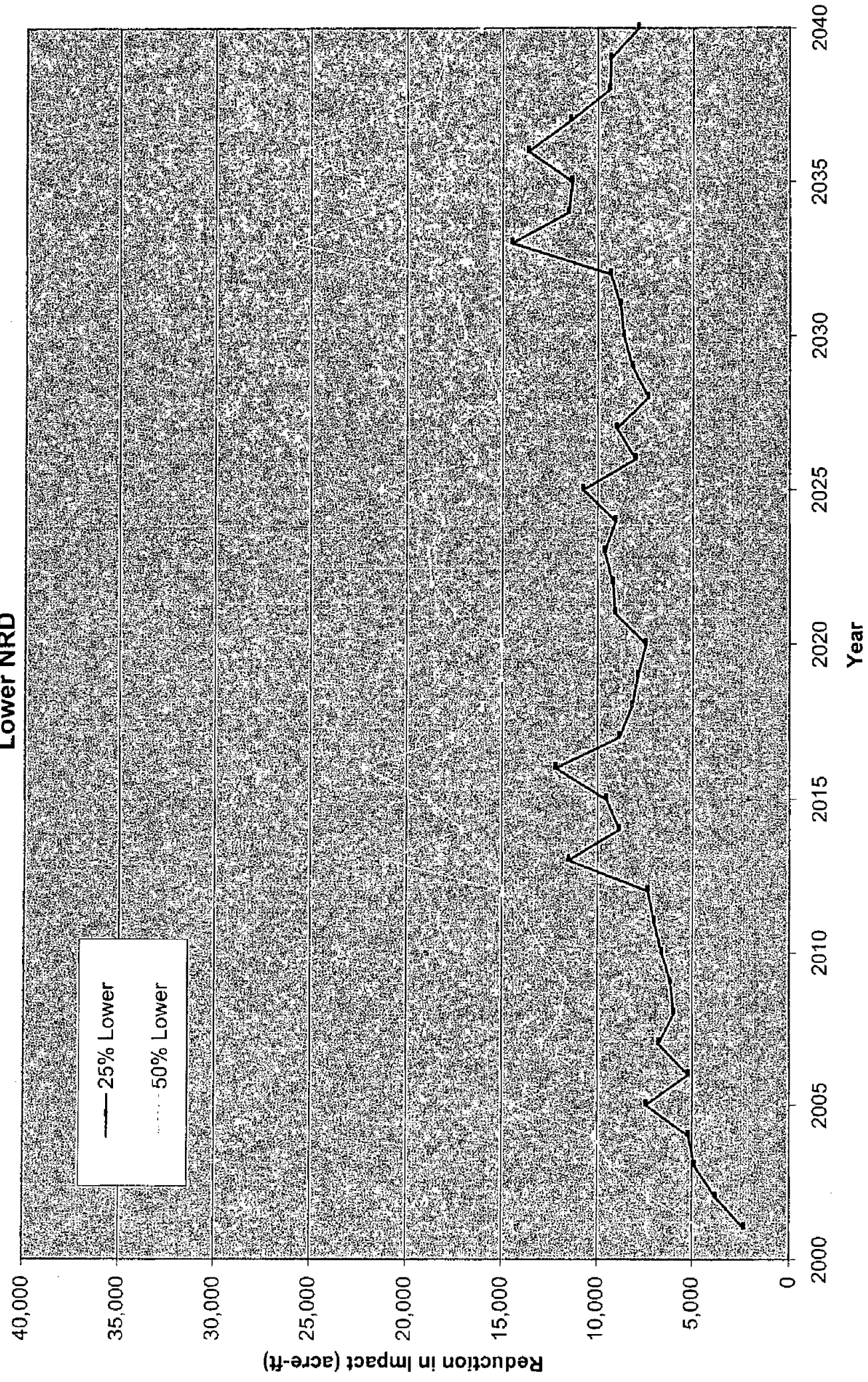


Quick Response - 1m - Reduction - UP, pdf

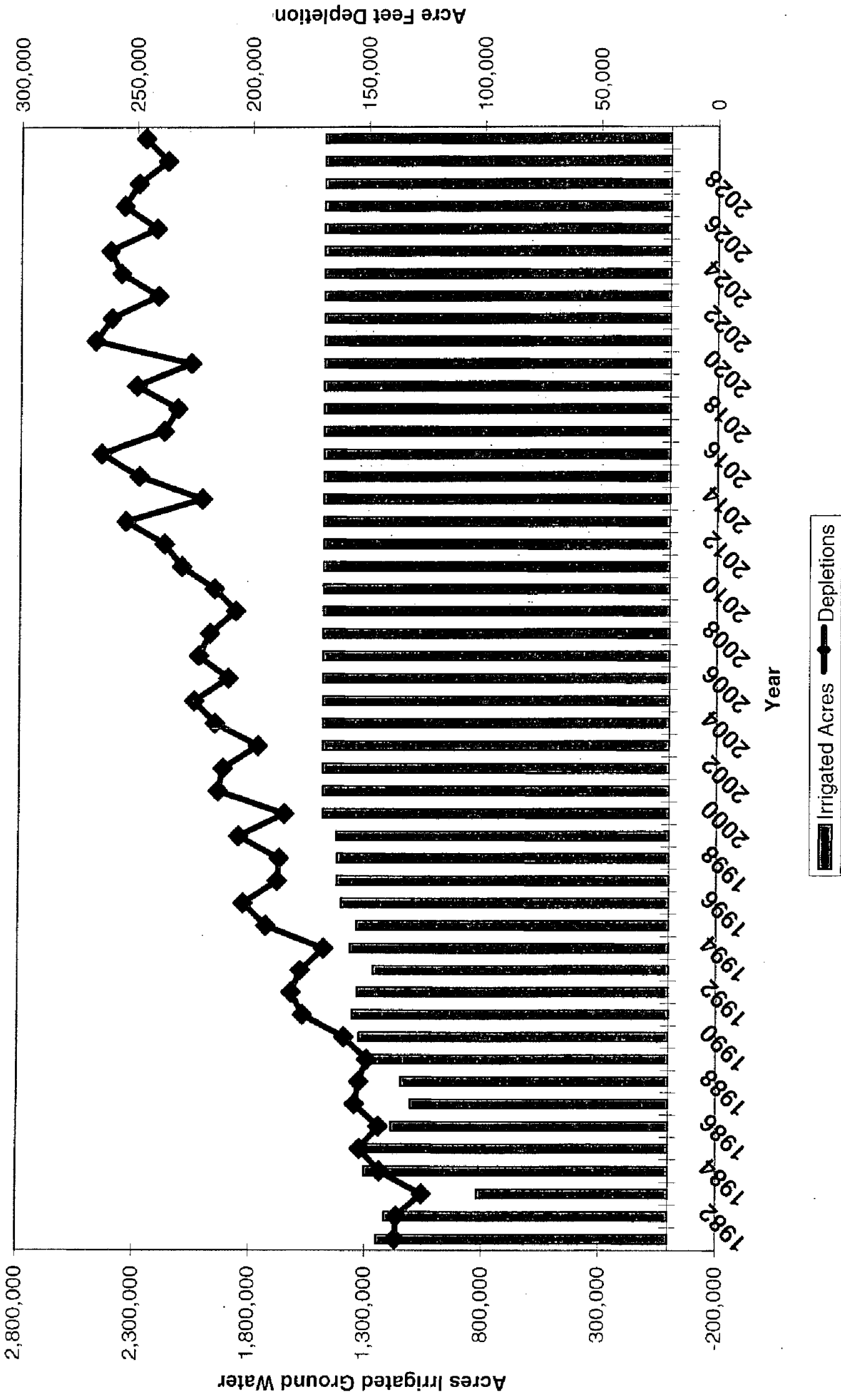
Impact Reduction for a Reduction in Pumping in Cells within 1-mile of Stream Cells by the Middle NRD



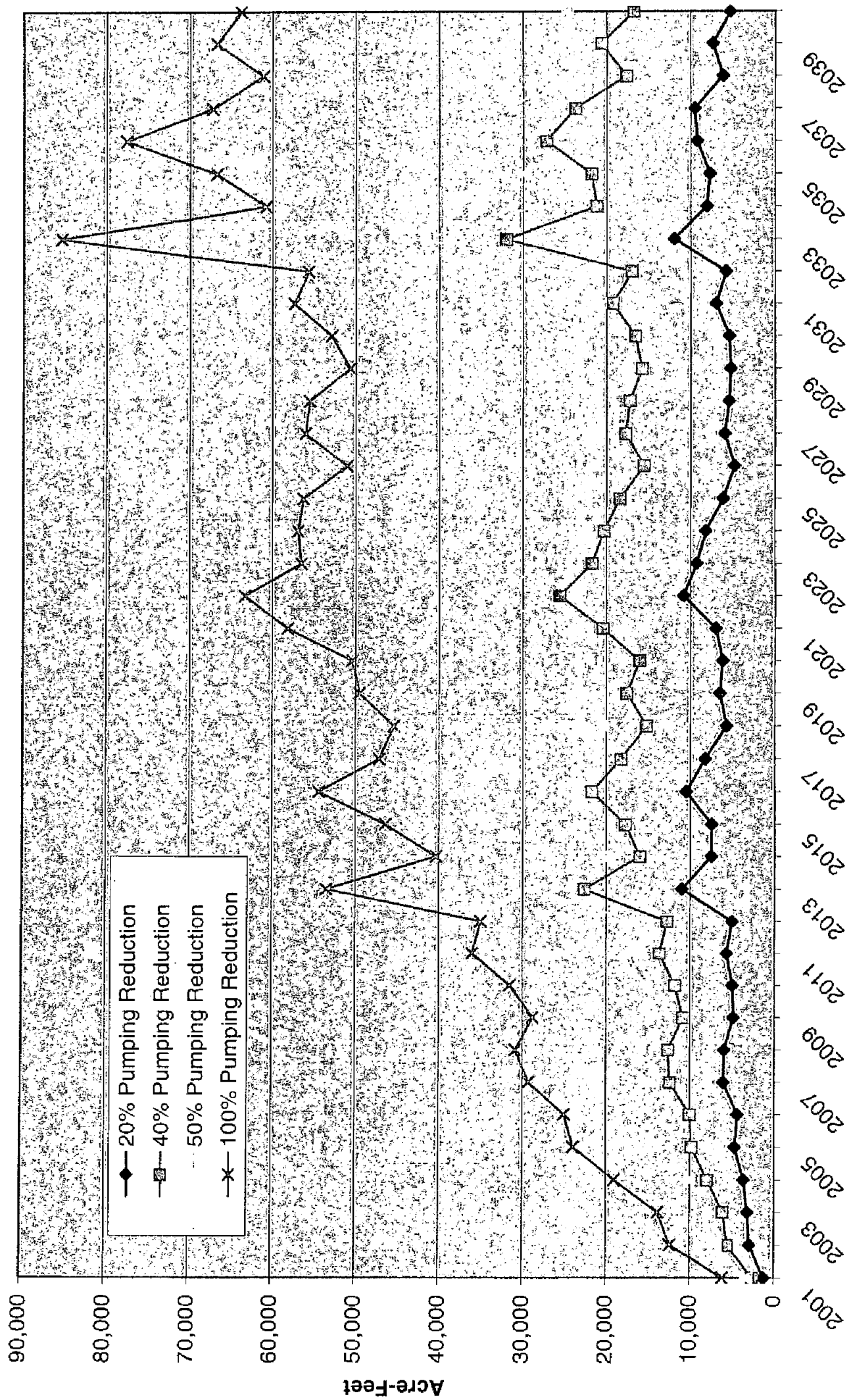
Impact Reduction for a Reduction in Pumping in Cells within 1-mile of Stream Cells by the Lower NRD



Lagged Depletions to Stream Flow



Upper Republican Predicted Base-Flow Impact Reductions Due to Incremental Groundwater-Pumping Reductions



Upper Republican Predicted Base Flow Impacts Due to Groundwater Pumping, 2001-2040

