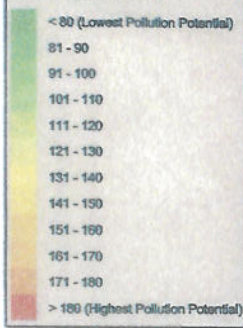


EQUUS BEDS GROUNDWATER MANAGEMENT DISTRICT NO. 2 GROUNDWATER POLLUTION POTENTIAL ATLAS 09-02

DRASTIC METHODOLOGY

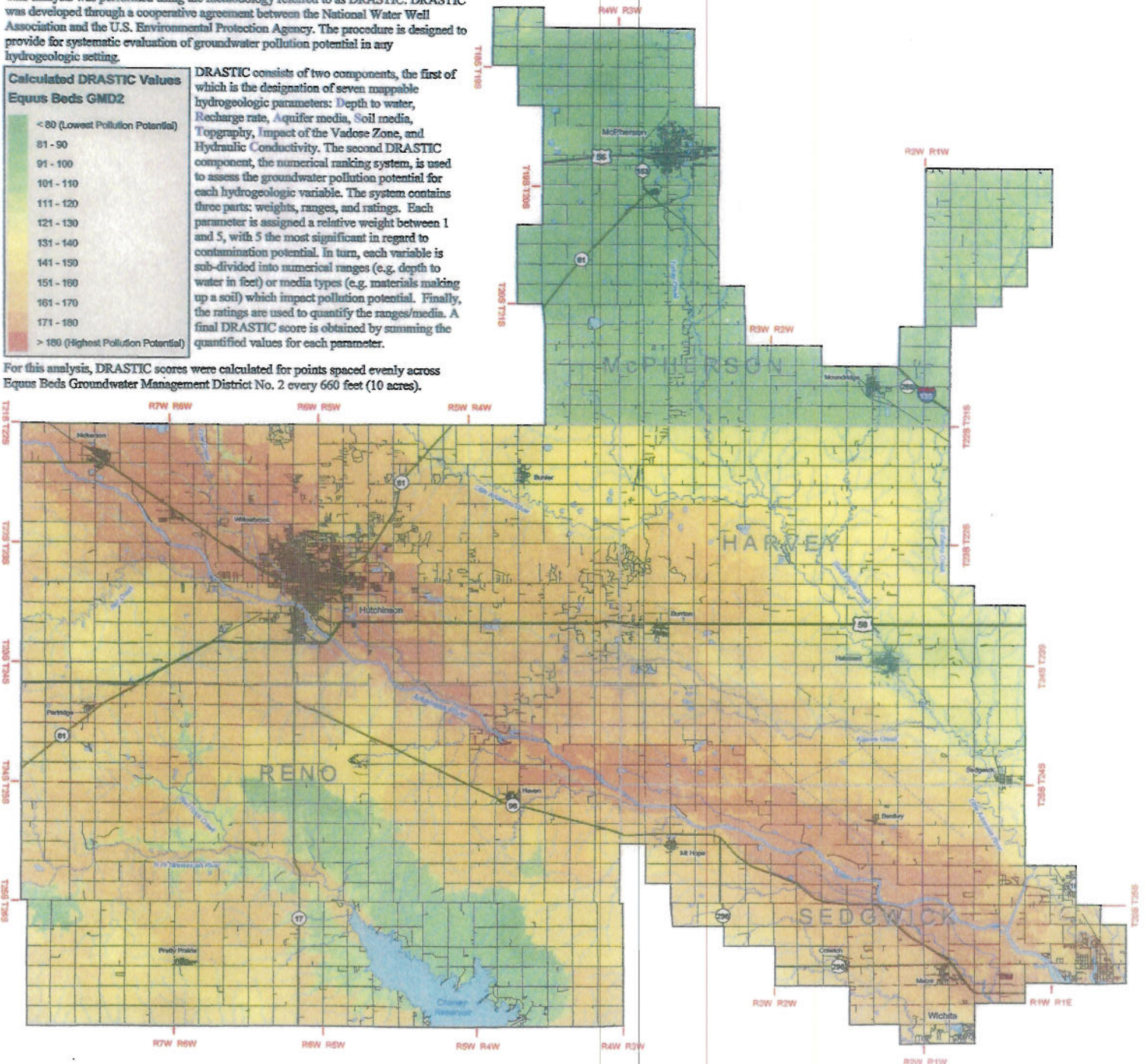
This analysis was performed using the methodology referred to as DRASTIC. DRASTIC was developed through a cooperative agreement between the National Water Well Association and the U.S. Environmental Protection Agency. The procedure is designed to provide for systematic evaluation of groundwater pollution potential in any hydrogeologic setting.

Calculated DRASTIC Values Equus Beds GMD2



DRASTIC consists of two components, the first of which is the designation of seven mappable hydrogeologic parameters: Depth to water, Recharge rate, Aquifer media, Soil media, Topography, Impact of the Vadose Zone, and Hydraulic Conductivity. The second DRASTIC component, the numerical ranking system, is used to assess the groundwater pollution potential for each hydrogeologic variable. The system contains three parts: weights, ranges, and ratings. Each parameter is assigned a relative weight between 1 and 5, with 5 the most significant in regard to contamination potential. In turn, each variable is sub-divided into numerical ranges (e.g. depth to water in feet) or media types (e.g. materials making up a soil) which impact pollution potential. Finally, the ratings are used to quantify the ranges/media. A final DRASTIC score is obtained by summing the quantified values for each parameter.

For this analysis, DRASTIC scores were calculated for points spaced evenly across Equus Beds Groundwater Management District No. 2 every 660 feet (10 acres).



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