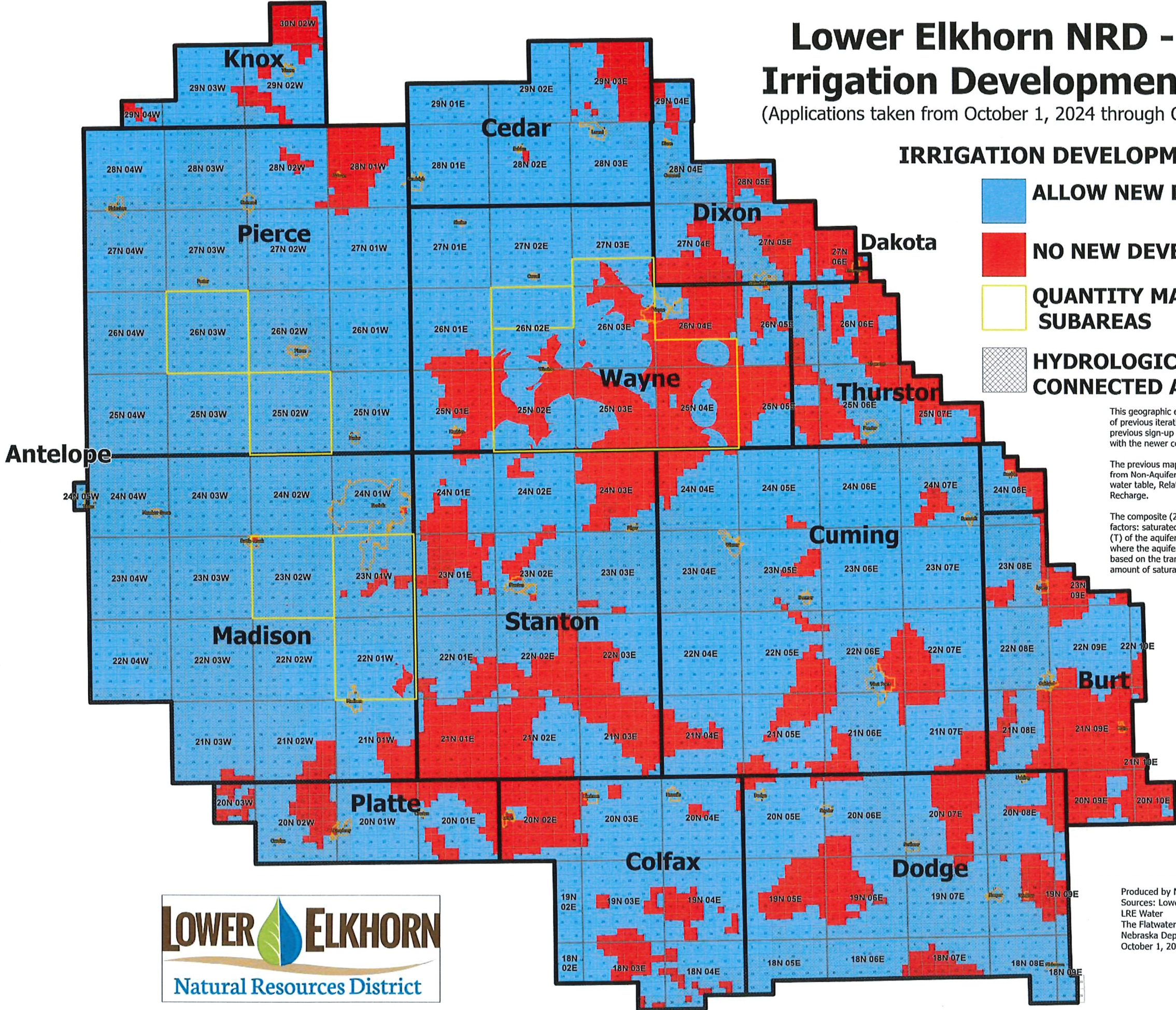


# Lower Elkhorn NRD - 2024 Irrigation Development Areas

(Applications taken from October 1, 2024 through October 31, 2024)

## IRRIGATION DEVELOPMENT AREAS

- ALLOW NEW DEVELOPMENT
- NO NEW DEVELOPMENT
- QUANTITY MANAGEMENT SUBAREAS
- HYDROLOGICALLY CONNECTED AREA



This geographic eligibility is a blended version of previous iterations that have been used for previous sign-up periods (2017-2021), combined with the newer composite map (2023).

The previous map (2017-2021) was produced from Non-Aquifer material thickness below the water table, Relative Transmissivity, and Net Recharge.

The composite (2023) was produced from two factors: saturated sand thickness and transmissivity (T) of the aquifer. The resulting composite shows where the aquifer has more of less potential risk based on the transmissivity along with the greatest amount of saturated sand would be most favorable.



Produced by Mike Murphy, Lower Elkhorn NRD  
Sources: Lower Elkhorn Natural Resources District  
LRE Water  
The Flatwater Group, Inc.  
Nebraska Department of Natural Resources  
October 1, 2024