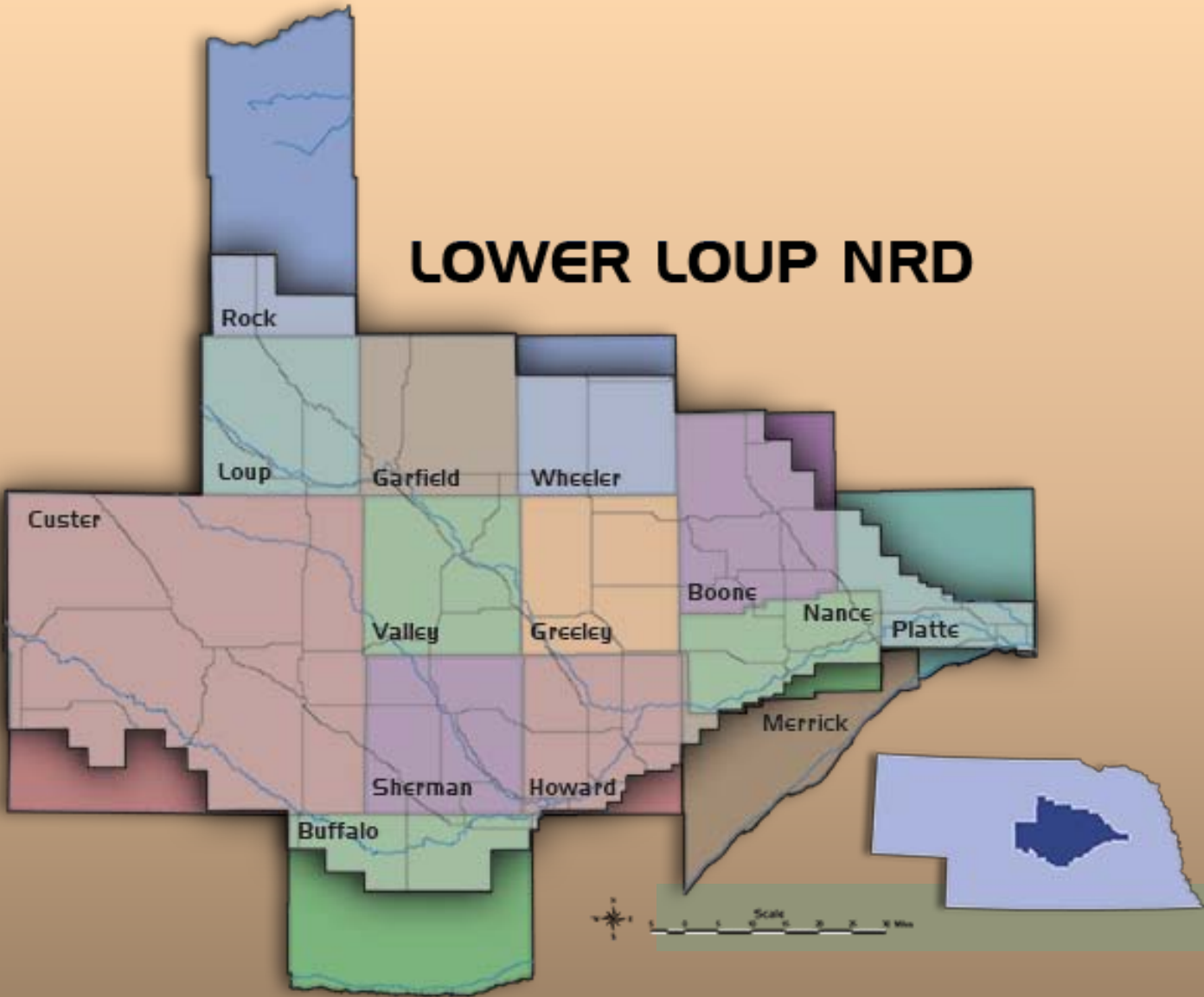


Lower Loup Natural Resources District



Groundwater Management Area Phase Rules and Regulations Summary

LOWER LOUP NRD



LLNRD Groundwater Quality Phase Area Determination

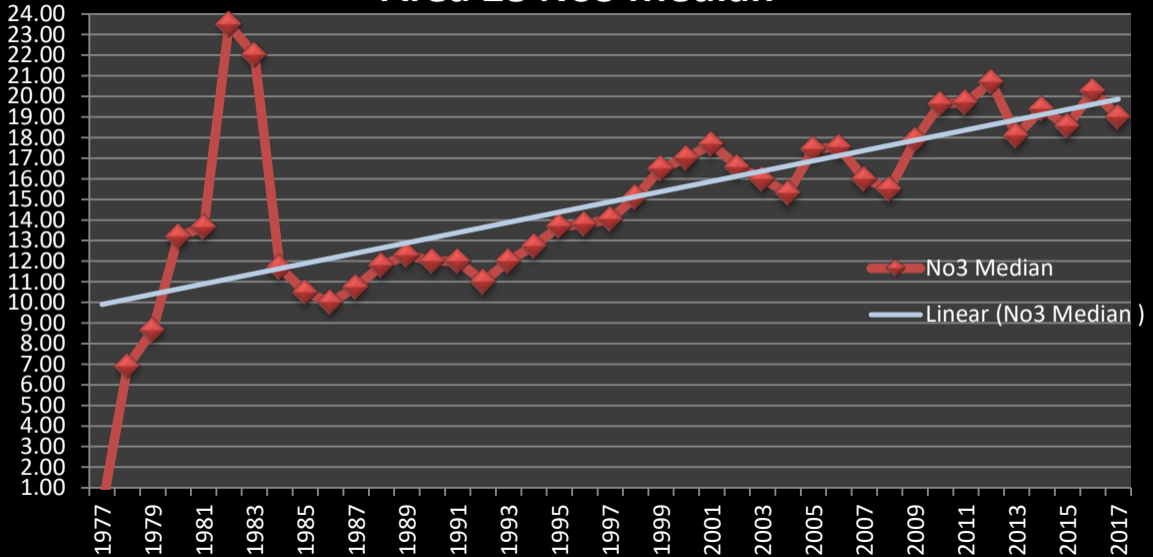
- Phase I areas are those with median nitrate levels of 0 - 6.5 ppm.
- Phase II areas are those with median nitrate levels of 6.6 - 8.5 ppm for 4 years in a row.
- Phase III areas are those with median nitrate levels over 8.6 ppm for 4 years in a row.

LLNRD Groundwater Quality Rules and Regulations Related to Nitrogen

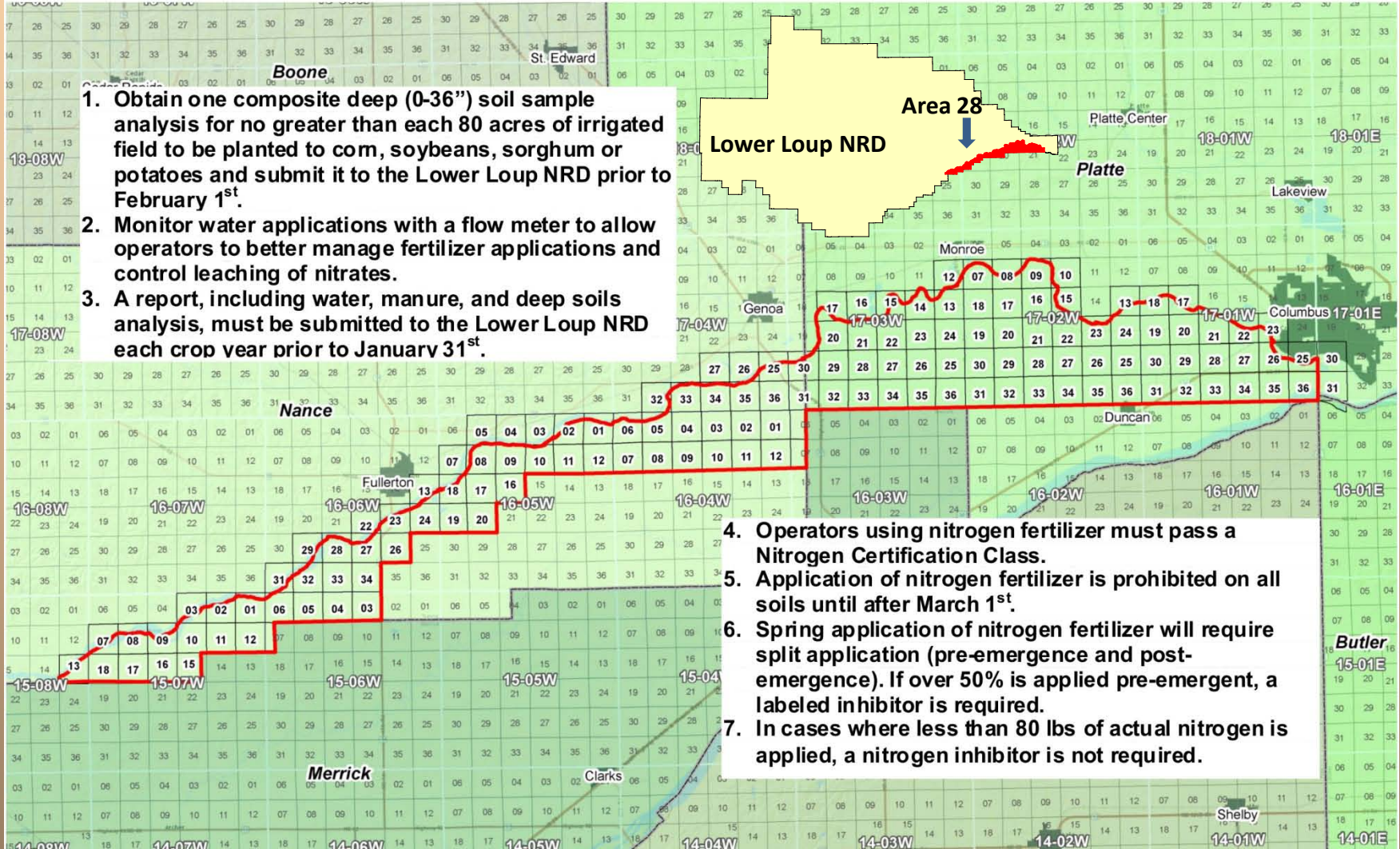
- All of LLNRD is in Phase I, which includes establishment of information and educational programs about nitrogen.
- No areas of the LLNRD are in Phase II.
- Phase III rules and regulations include all those in Phase I and II as well as required attendance of an educational class and a passing grade on a test for application of nitrogen.

Area 28 No3 Median

$$y = 0.2491x + 9.6516$$



Lower Loup NRD Phase III Groundwater Quality Management Area Summary



1. Obtain one composite deep (0-36") soil sample analysis for no greater than each 80 acres of irrigated field to be planted to corn, soybeans, sorghum or potatoes and submit it to the Lower Loup NRD prior to February 1st.
2. Monitor water applications with a flow meter to allow operators to better manage fertilizer applications and control leaching of nitrates.
3. A report, including water, manure, and deep soils analysis, must be submitted to the Lower Loup NRD each crop year prior to January 31st.

4. Operators using nitrogen fertilizer must pass a Nitrogen Certification Class.
5. Application of nitrogen fertilizer is prohibited on all soils until after March 1st.
6. Spring application of nitrogen fertilizer will require split application (pre-emergence and post-emergence). If over 50% is applied pre-emergent, a labeled inhibitor is required.
7. In cases where less than 80 lbs of actual nitrogen is applied, a nitrogen inhibitor is not required.



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