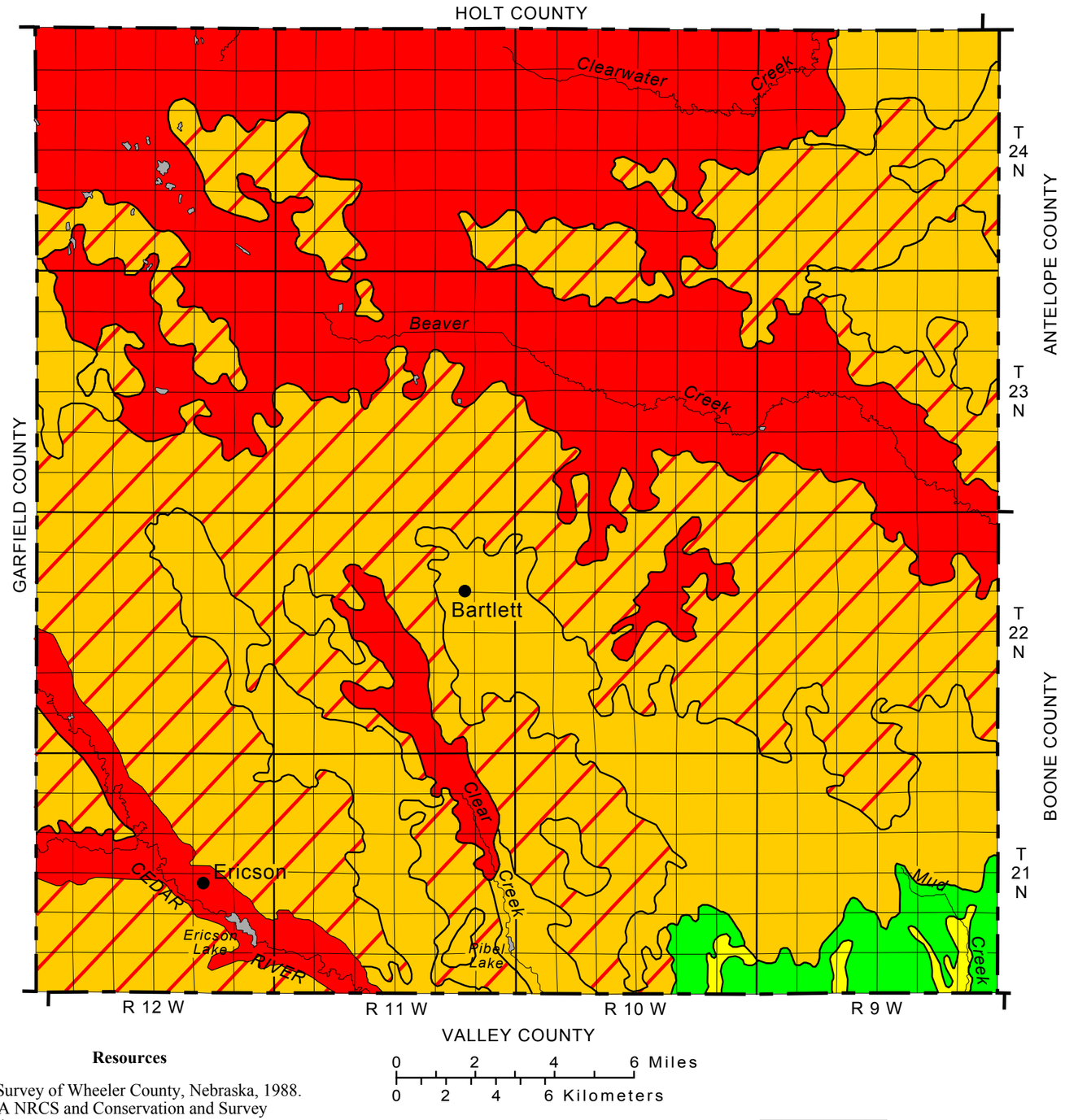


Pesticides and Groundwater

An Applicator's Map and Guide to Prevent Groundwater Contamination

Wheeler County

Sand, loamy sand and sandy loam soils with little organic matter and a water table less than 30 feet below the surface.
These areas have a high vulnerability for groundwater contamination.

Sand, loamy sand and sandy loam soils with little organic matter and a water table greater than 30 feet below the surface.
These areas have a moderate vulnerability to groundwater contamination. Even though the water table is greater than 30 feet below the surface, the soils are porous and caution should be used.

Sand, loamy sand and sandy loam soils with little organic matter and a water table generally greater than 30 feet below the surface.
Much of this area has a moderate vulnerability to groundwater contamination because the soils are porous. Some low-lying parts of the area may have high vulnerability to groundwater contamination because the water table is less than 30 feet below the surface. Caution should be used throughout the area and detailed maps should be consulted concerning low-lying areas.

Silty and loamy soils with a water table less than 30 feet below the surface.
These areas have a moderate vulnerability to groundwater contamination. Even though the soils restrict the downward movement of pesticides, the water table is less than 30 feet below the surface and caution should be used.

Silty and loamy soils with a water table greater than 30 feet below the surface.
These areas have a slight vulnerability to groundwater contamination.

Refer to the accompanying discussion and index of pesticides for guidance on pesticide use.

The vulnerability of groundwater contamination was determined using soil properties and depth to groundwater as indicated in general on pesticide labels. Areas on this map may have dissimilar soil and groundwater characteristics from those generally identified for that area. More detailed information can be obtained from:

Conservation and Survey Division
113 Nebraska Hall
Lincoln, NE 68588-0517
(402) 472-7537
(soil and groundwater data)

Wheeler County Extension Office
Box 290
Greeley, NE 68842
(308) 428-2835
(proper pesticide use)

Nebraska Department of Agriculture
Bureau of Plant Industry - Pesticide Program
Box 94756
Lincoln, NE 68509-4756
(402) 471-2394
(pesticide labels and regulations)

Resources

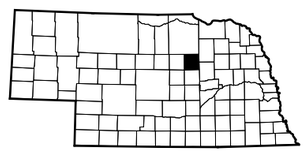
Soil Survey of Wheeler County, Nebraska, 1988. USDA NRCS and Conservation and Survey Division, UNL.

Configuration of the water table, Spring 1979, Broken Bow Quadrangle, Nebraska. Conservation and Survey Division, UNL. GM-54.

Configuration of the water table, Spring 1979, O'Neill Quadrangle, Nebraska. Conservation and Survey Division, UNL. GM-54.

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Sectionalized Township



County Location Map