





# Pesticides and Groundwater

*An Applicator's Map and Guide  
to Prevent Groundwater Contamination*

## Merrick 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.*
-  **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.*

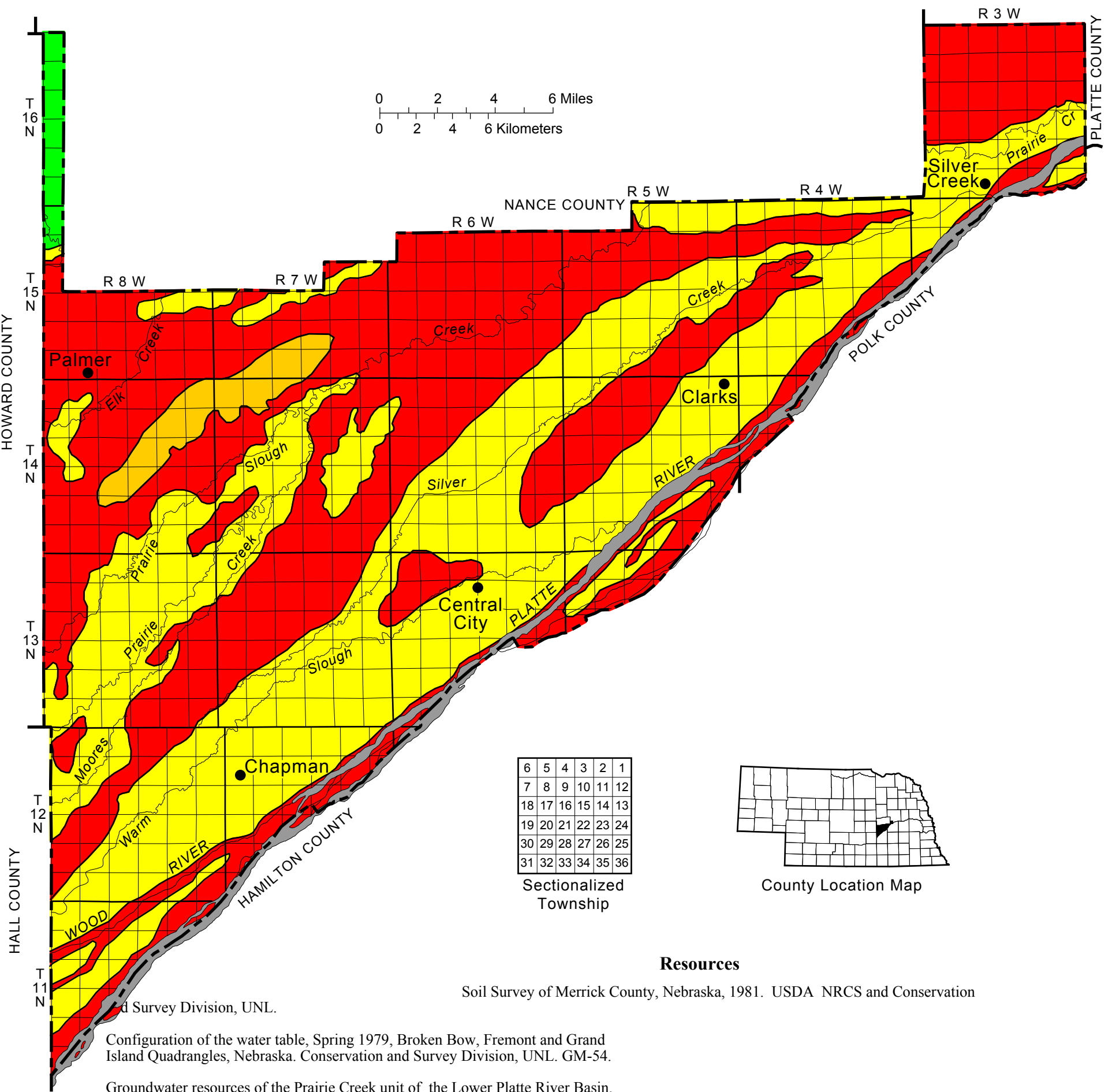
*Refer to the accompanying discussion and index of pesticides for guidance on pesticide use.*

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)*

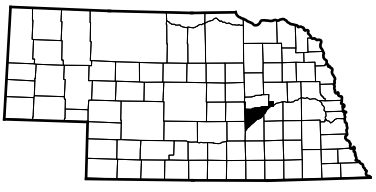
**Merrick County Extension Office**  
P. O. Box 27  
Central City, NE 68826  
(308) 946-3843  
*(proper pesticide use)*

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



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

### Resources

Soil Survey of Merrick County, Nebraska, 1981. USDA NRCS and Conservation

Conservation and Survey Division, UNL.

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

Groundwater resources of the Prairie Creek unit of the Lower Platte River Basin, Nebraska. USGS Geological Survey Water Supply Paper 1327.