


# Pesticides and Groundwater

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

## Box Butte County

- 
**Clayey, silty or loamy soils with a water table greater than 30 feet below the surface.**  
*These areas have a slight vulnerability for groundwater contamination.*
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**Sand, loamy sand or sandy loam soils with little organic matter and a water table generally greater than 30 feet below the surface.**  
*These areas have a moderate vulnerability for groundwater contamination because of the porous soils. Caution should be used in sandy areas. Some parts with clayey, silty or loamy soils have a slight vulnerability for groundwater contamination.*
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**Sand, loamy sand or sandy loam soils with little organic matter and a water table greater than 30 feet below the surface.**  
*These areas have a moderate vulnerability for groundwater contamination. Even though the water table is greater than 30 feet below the surface, the soils are porous and caution should be used.*
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**Sand, loamy sand or sandy loam soils with little organic matter and a water table generally greater than 30 feet below the surface.**  
*These areas have a moderate vulnerability for groundwater contamination because the soils are porous. Some low-lying parts of these areas may have a high vulnerability for 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.*
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**Sand, loamy sand or 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. Extreme caution should be used in these areas.*

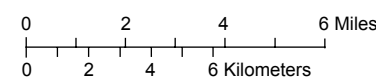
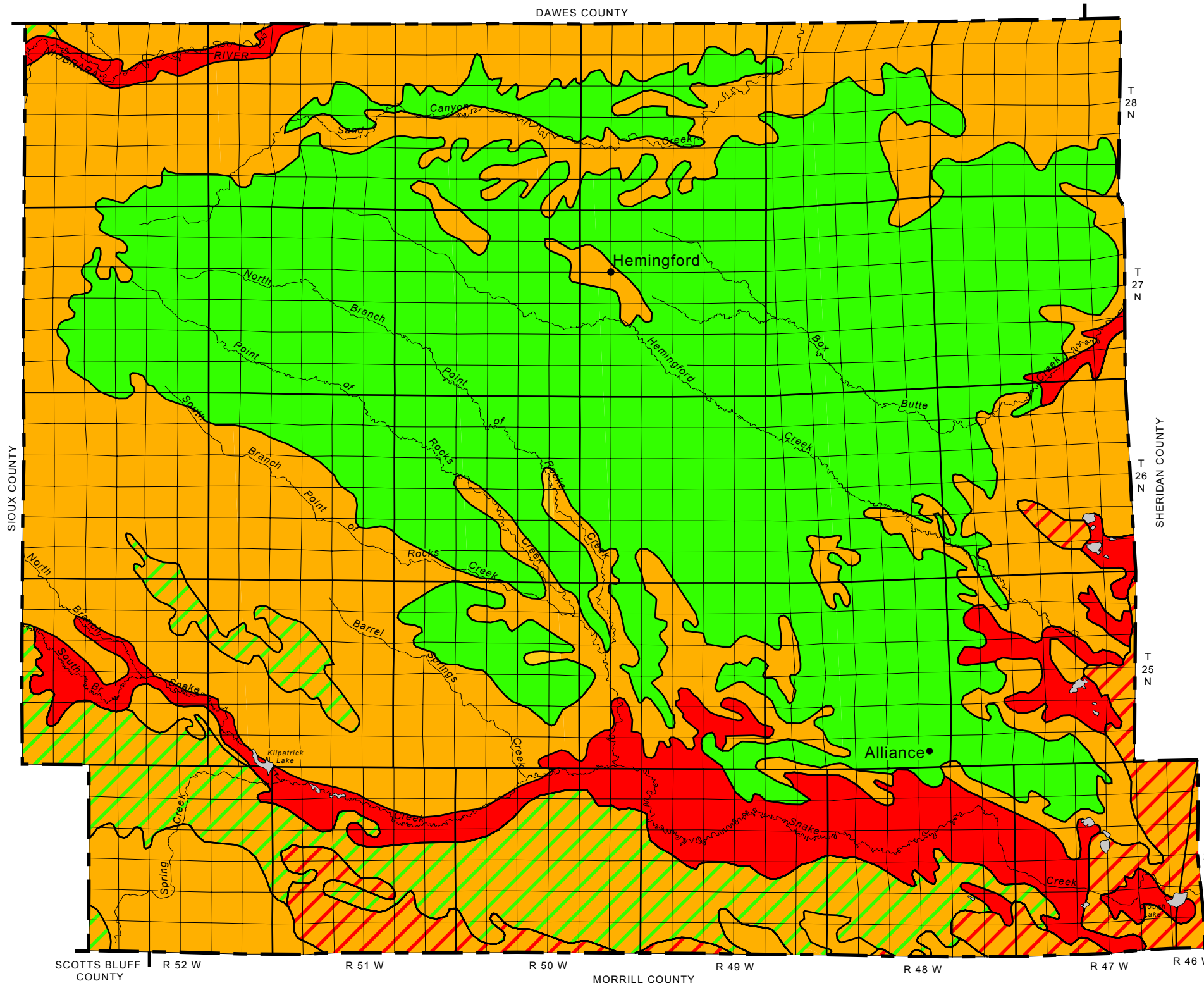
*Refer to the accompanying discussion and index of pesticides for guidance on pesticide use.*

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)*

**Box Butte County Extension Office**  
 415 Black Hills Street  
 Alliance, NE 69301-3243  
 (308) 762-5616  
*(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)*



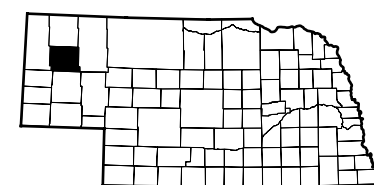
### Resources

Soil Survey of Box Butte County, Nebraska, 1983. USDA NRCS and Conservation and Survey Division, UNL.

Geology and groundwater supplies of Box Butte County, Nebraska. Conservation and Survey Division, UNL. Nebraska Water Survey Paper Number 47.

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