

Locations of Data Points of Carroll County, Illinois



Illinois State Geological Survey

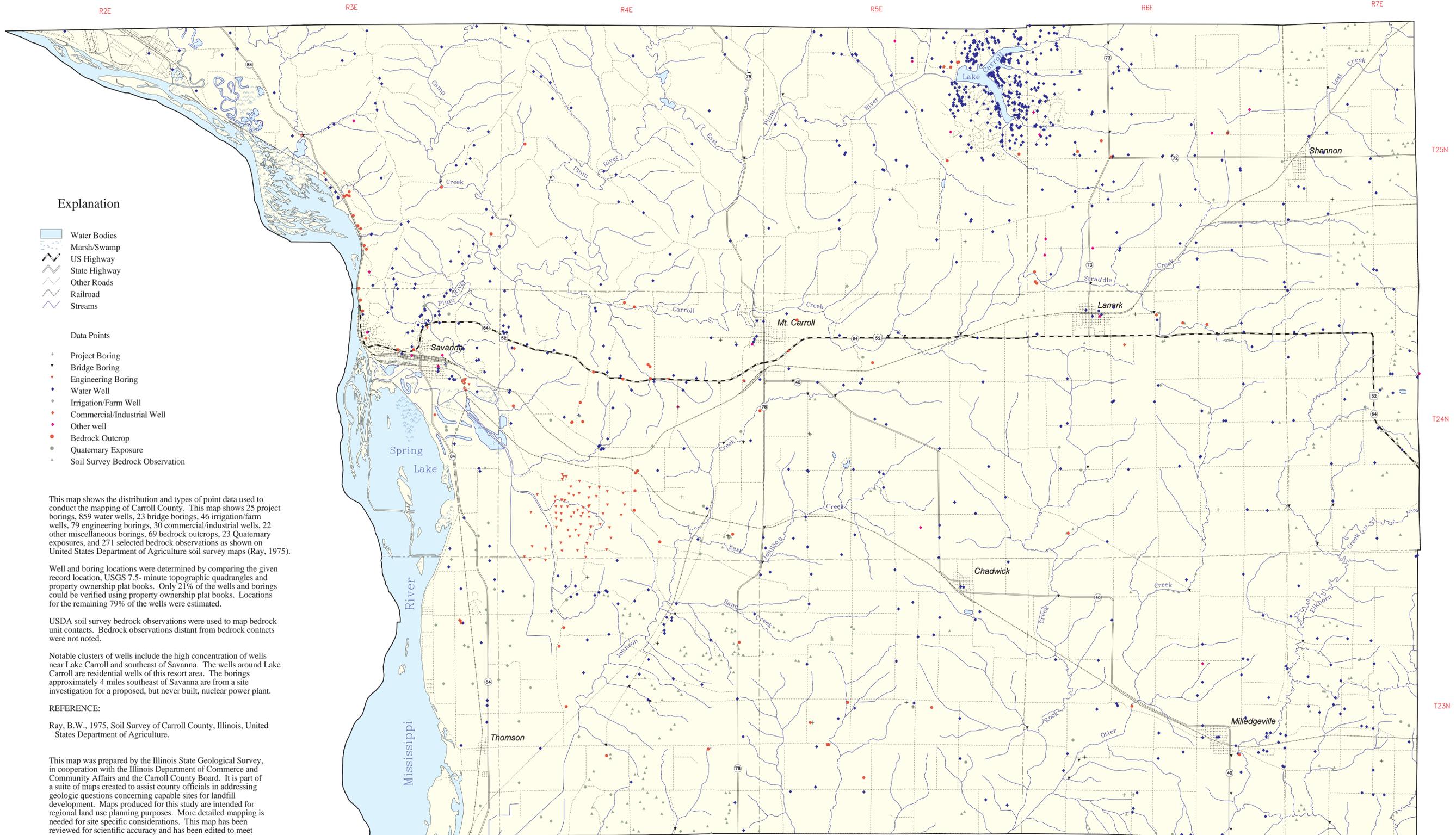
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State of Illinois

Department of Natural Resources



Explanation

- Water Bodies
- Marsh/Swamp
- US Highway
- State Highway
- Other Roads
- Railroad
- Streams

- Data Points**
- Project Boring
- Bridge Boring
- Engineering Boring
- Water Well
- Irrigation/Farm Well
- Commercial/Industrial Well
- Other well
- Bedrock Outcrop
- Quaternary Exposure
- Soil Survey Bedrock Observation

This map shows the distribution and types of point data used to conduct the mapping of Carroll County. This map shows 25 project borings, 859 water wells, 23 bridge borings, 46 irrigation/farm wells, 79 engineering borings, 30 commercial/industrial wells, 22 other miscellaneous borings, 69 bedrock outcrops, 23 Quaternary exposures, and 271 selected bedrock observations as shown on United States Department of Agriculture soil survey maps (Ray, 1975).

Well and boring locations were determined by comparing the given record location, USGS 7.5- minute topographic quadrangles and property ownership plat books. Only 21% of the wells and borings could be verified using property ownership plat books. Locations for the remaining 79% of the wells were estimated.

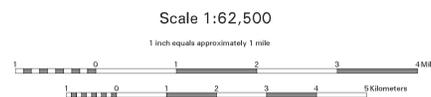
USDA soil survey bedrock observations were used to map bedrock unit contacts. Bedrock observations distant from bedrock contacts were not noted.

Notable clusters of wells include the high concentration of wells near Lake Carroll and southeast of Savanna. The wells around Lake Carroll are residential wells of this resort area. The borings approximately 4 miles southeast of Savanna are from a site investigation for a proposed, but never built, nuclear power plant.

REFERENCE:

Ray, B.W., 1975, Soil Survey of Carroll County, Illinois, United States Department of Agriculture.

This map was prepared by the Illinois State Geological Survey, in cooperation with the Illinois Department of Commerce and Community Affairs and the Carroll County Board. It is part of a suite of maps created to assist county officials in addressing geologic questions concerning capable sites for landfill development. Maps produced for this study are intended for regional land use planning purposes. More detailed mapping is needed for site specific considerations. This map has been reviewed for scientific accuracy and has been edited to meet the quality standards of maps in the ISGS Map Series.



Lambert Conformal Conic Projection

