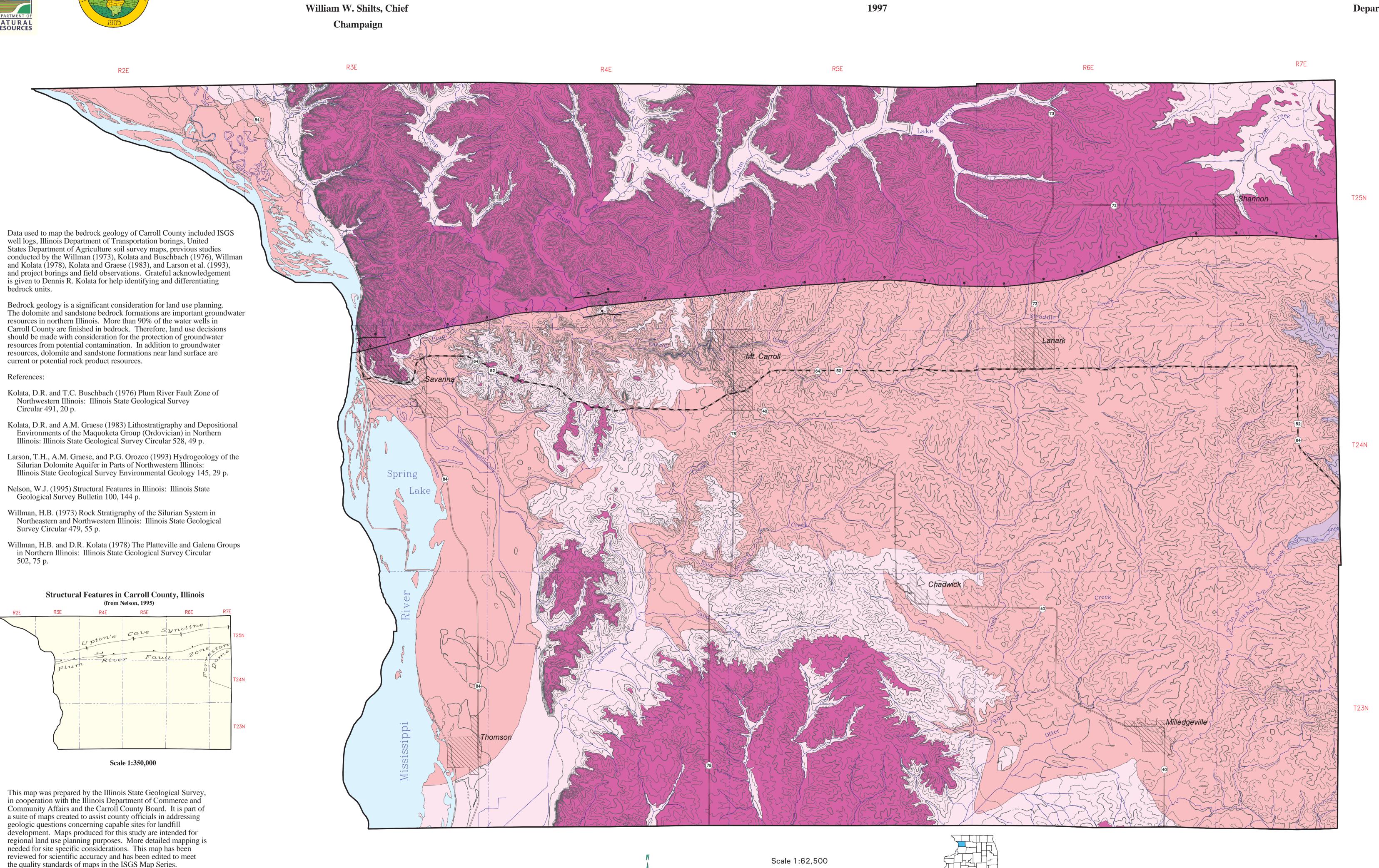
Illinois State Geological Survey

Bedrock Geology of Carroll County, Illinois

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1 inch equals approximately 1 mile

Lambert Conformal Conic Projection

Explanation

SILURIAN SYSTEM

undifferentiated (0 - 150 feet thick) Brownish gray dolomite; some beds contain white chert; very argillaceous at base. This cliff- forming rock outcrops in the uplands in southern Carroll County and north of the Plum River Fault Zone where it has been relatively downthrown 100- 400 feet. These rocks are exposed in the Mississippi River bluffs north of Savanna.

ORDOVICIAN SYSTEM

in the western part of the county.

Maquoketa Group (0 - 200 feet thick) Dolomitic greenish- gray silty shale with argillaceous dolomite lenses in the lower half. This slope- forming rock occur in road and railroad cuts

Galena and Platteville Groups (0 - 300 feet thick)

Brown and gray dolomites; some cherty beds; some argillaceous beds; clay (K- bentonite) beds. Platteville Group is finer grained and thinner bedded than the Galena Group. These cliff forming-rocks are exposed in the ravine of Carroll Creek in Mt. Carroll and many quarries throughout the county.

Ancell Group (100 - 200 feet thick)

Chiefly composed of pure fine to medium grained, well sorted quartz sandstone. The upper 25 feet is composed of interbedded dolomite, fine to medium grained sandstone and shale. These rocks are exposed along the crest of the Forreston Dome in eastern Carroll County.

Plum River Fault Zone (Tail on down-thrown side)

Surface topography in feet above mean sea level Contour interval 25 feet

US Highway

/\/ Streams Municipality Municipality

Water Bodies

