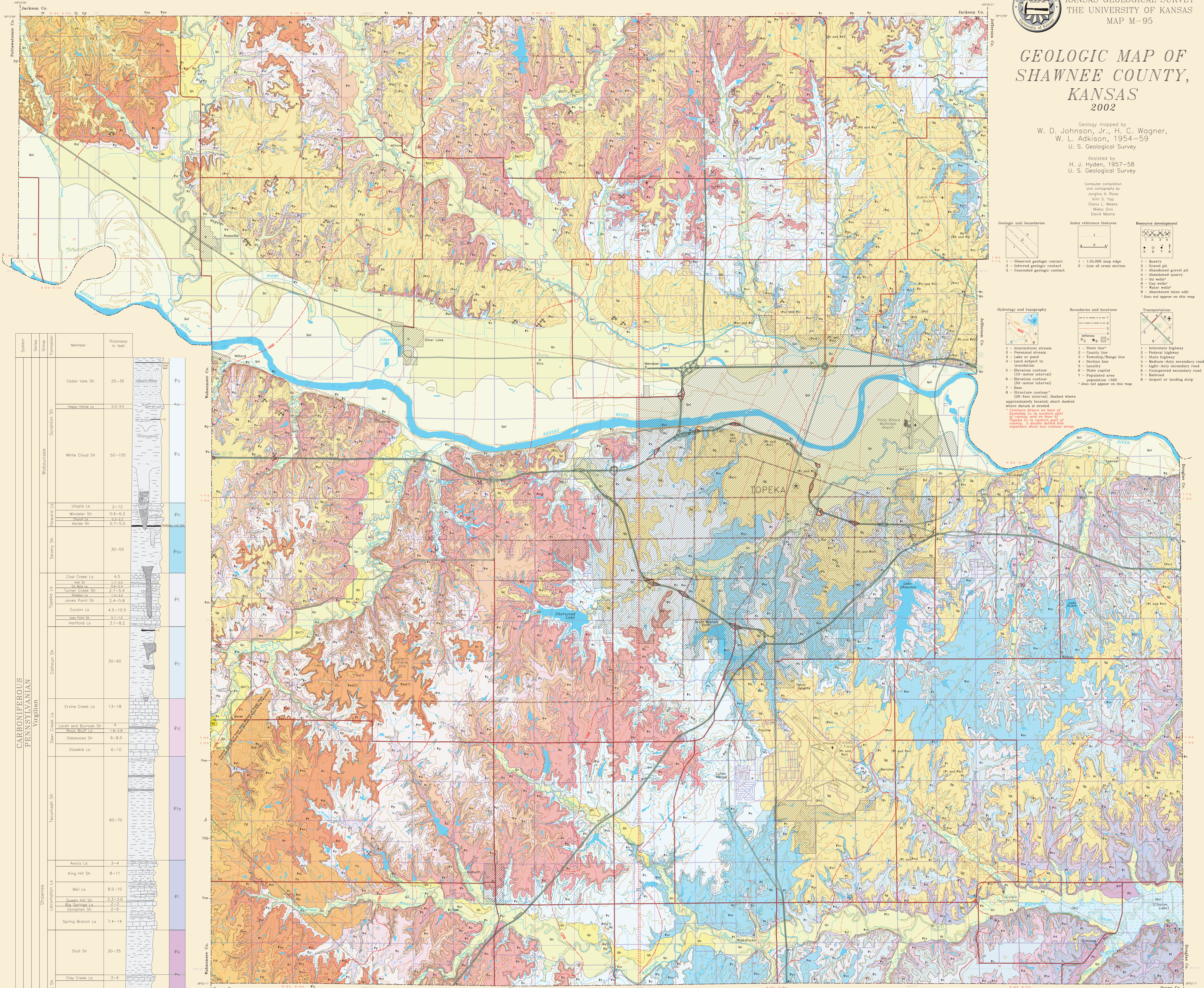
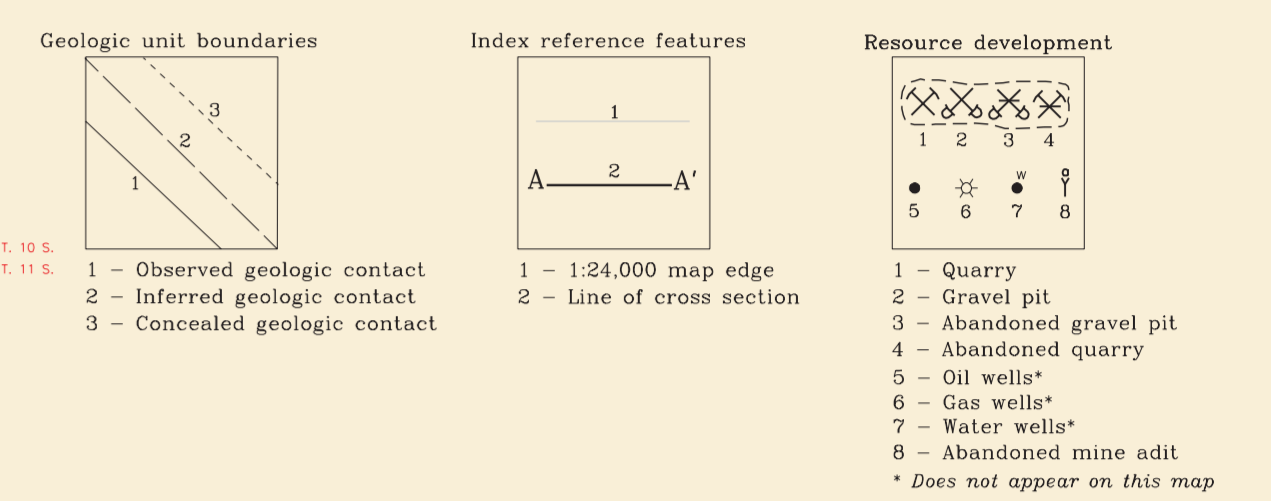


GEOLOGIC MAP OF SHAWNEE COUNTY, KANSAS 2002

Geology mapped by
W. D. Johnson, Jr., H. C. Wagner,
W. L. Adkison, 1954-59
U. S. Geological Survey

Assisted by
H. J. Hyden, 1957-58
U. S. Geological Survey

Computer compilation
and cartography by
Joseph A. Rose
Kim S. Yoo
Doree L. Weeks
Micko One
David Morris



System	Series/Stage	Group	Formation	Member	Thickness in feet
Quaternary	Pleistocene	Kansan	Alluvium	Alluvium terrace deposits	Qal
				Back Creek terrace deposits	Qb
				Terrace deposits of Kansan Glaciation	Qc
				Glacial drift	Qd
PERMIAN	Lower Permian	Admiral	Council Grove	Johnson Sh	20
				Foraker Sh	
				Long Creek Ls	5
				Hughes Creek Sh	25-40
				Americus Ls	2.5-5.7
				Hamilin Sh	30-40
				Five Point Ls	4-8
				West Branch Sh	26-47
				Seneca Sh	30-55
				Howay Sh	12-28
				Applawt Ls	1.5-11.5
				Towle Sh	6.5-140
CARBONIFEROUS	PENNSYLVANIAN	Virgilian	Wabunsee	Wabunsee Sh	60-70
				Leocompton Ls	
				Avoca Ls	3-4
				King Hill Sh	8-11
				Bell Ls	8.5-10
				Queen Hill Sh	2.3-3.8
				Wagon Springs Ls	2-6
				Douglas Sh	2-6
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