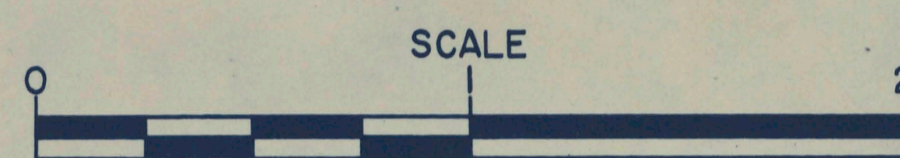


PLATE I
GEOLOGIC MAP
 OF THE
BARNSDALL AREA
 OSAGE COUNTY, OKLAHOMA
 WILLIAM EDGAR GARNER M.S., 1956



EXPLANATION

Qal Alluvium (See, with soil clay on flood plain or stream stream)	FAULT
Pvka Virgil series Douglas and Shawnee groups	PAVED ROAD
Pv	IMPROVED ROAD
Pvco	RAILROAD
Pvcb	PERMANENT STREAM
Pvcc	INTERMITTENT STREAM
Pvcb	POND
Pvcb	CHURCH
Pvcb	SCHOOL
Pvcb	AIRPORT
Pvcb	CEMETERY
Pvcb	ABANDONED QUARRY
Pvcb	TANK FARM
Pvcb	TANK FARM

MISSOURI SYSTEM

Virgil series
 Douglas and Shawnee groups

Ochelata group

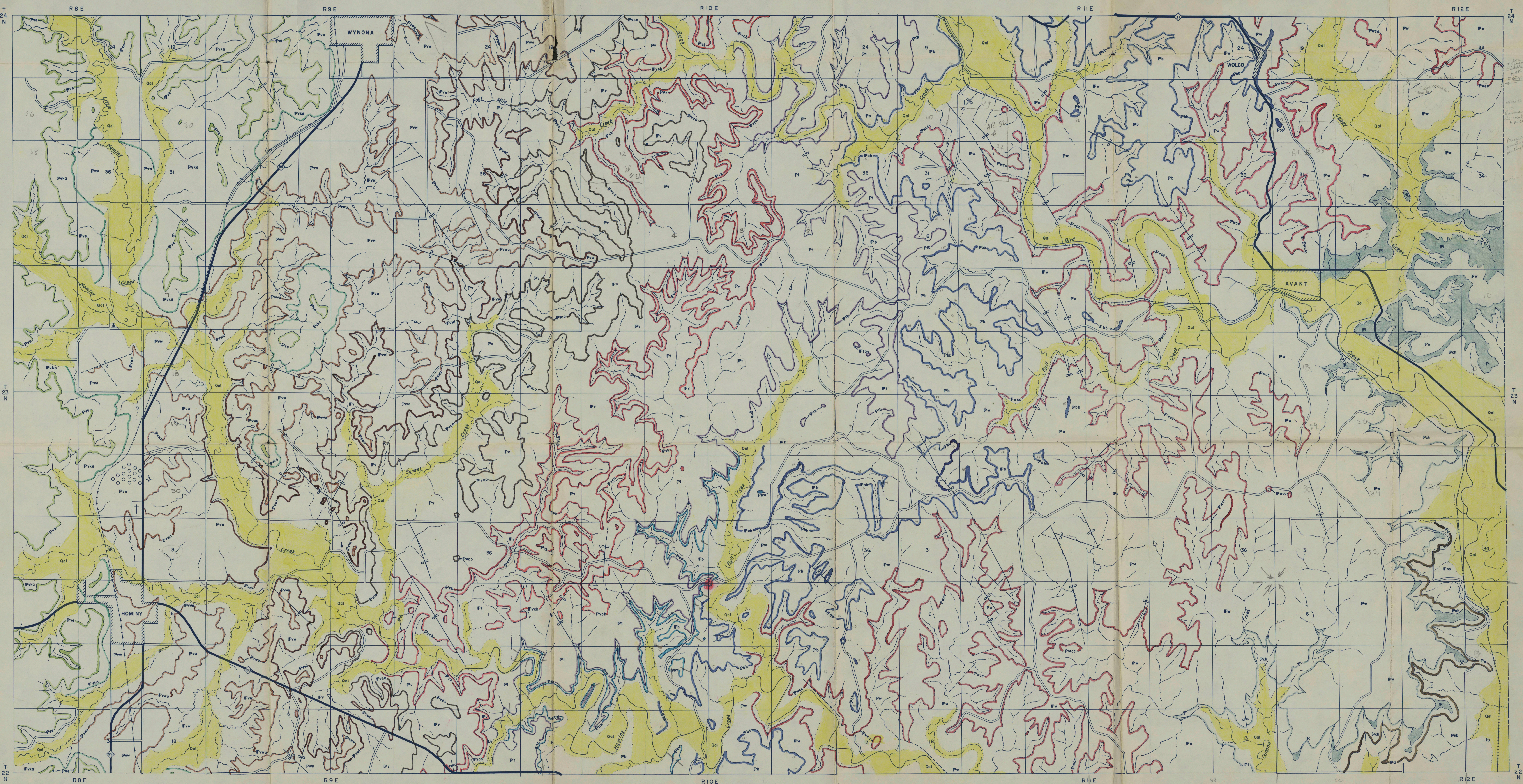
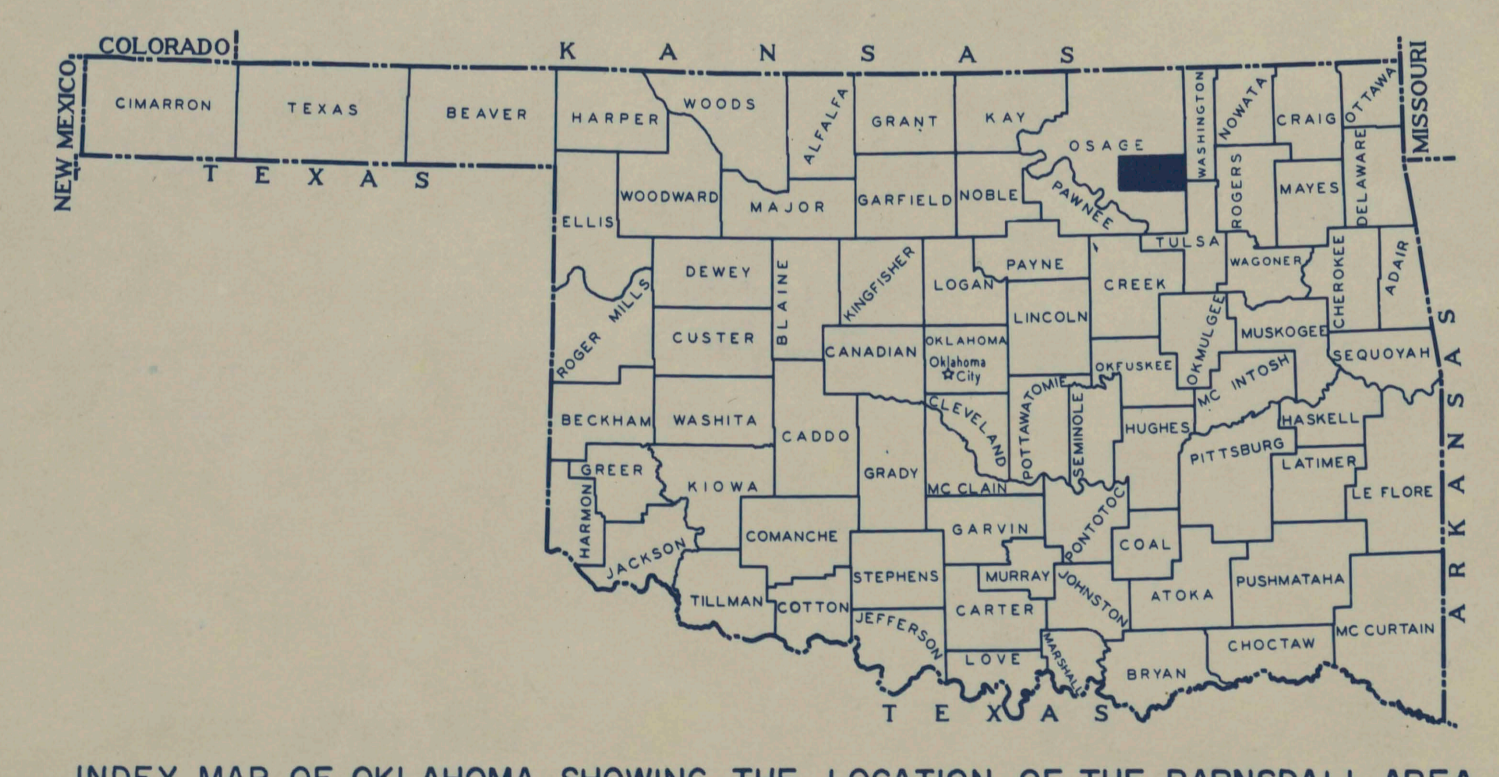
Skiatook group

WYMONA

HOMINY

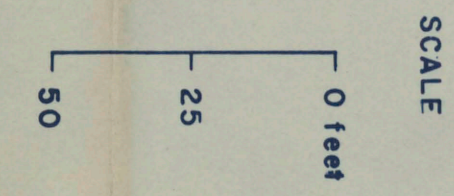
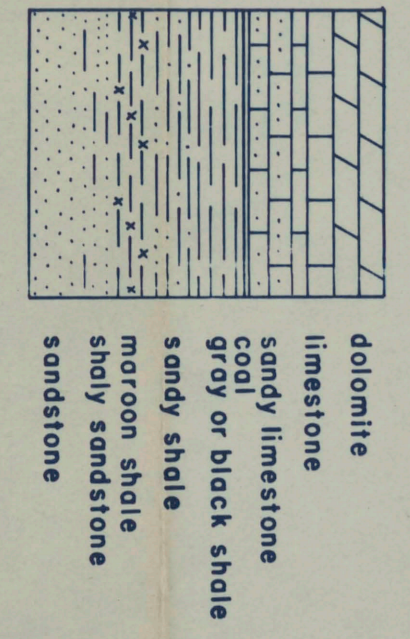
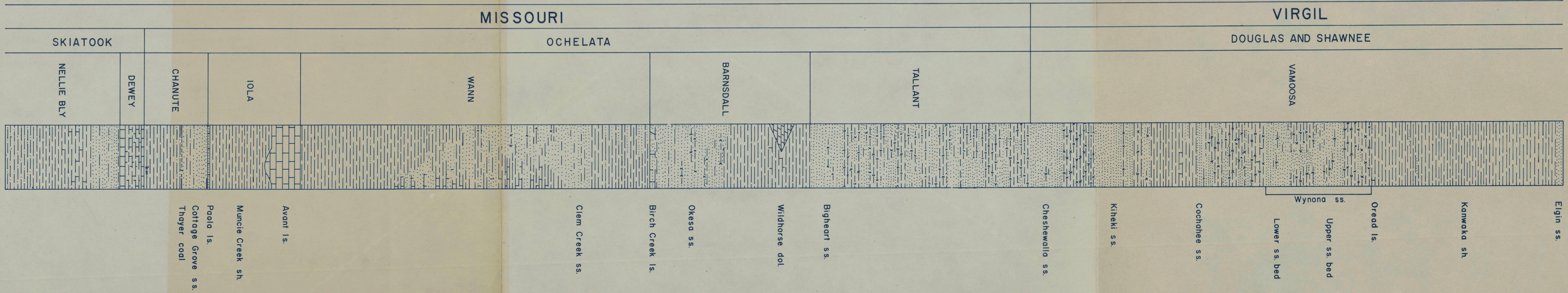
WOLCO

AVANT



INDEX MAP OF OKLAHOMA SHOWING THE LOCATION OF THE BARNSDALL AREA

SERIES
GROUP
FORMATION



COMPOSITE SECTION
OF THE
UPPER PENNSYLVANIAN ROCKS
IN THE

BARNSDALL AREA
OSAGE COUNTY, OKLAHOMA
WILLIAM EDGAR GARDNER
M.S., 1956