

67-104

DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

STATE OF ARKANSAS  
GEOLOGICAL COMMISSION  
LITTLE ROCK

RUSSELLVILLE WEST QUADRANGLE  
ARKANSAS  
7.5 MINUTE SERIES (TOPOGRAPHIC)

DEPARTMENT OF THE INTERIOR  
UNITED STATES GEOLOGICAL SURVEY  
OPEN FILE REPORT 1967-104

OPEN FILE  
1967

EXPLANATION

Qal
Qalr
Alluvium

Qal, alluvial deposits by local streams  
Qalr, alluvial deposits by Arkansas River

Qt
Qtr

Terrace deposits

Qt, alluvial deposits in terraces formed by local streams  
Qtr, alluvial deposits in terraces formed by Arkansas River

Pss
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Savanna Formation

Basal sandstone only

Pm
Pms

McAlester Formation

Pm, predominantly shale with some siltstone and sandstone  
Pms, predominantly sandstone with some siltstone and shale

Phs
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Martinsburg Sandstone

Mostly sandstone; small amount of siltstone and shale

Pa
Pas

Atoka Formation

Pa, predominantly shale with some siltstone and sandstone  
Pas, predominantly sandstone with some siltstone and shale

U
60
D

Surface trace of fault

U, upthrown side; D, downthrown side; 60, measured dip  
of exposed fault plane

T6
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Strike and dip of beds

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Horizontal beds

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Anticlinal axis

⋈
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Synclinal axis

⋈
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Quarry

× 2
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Exposure of coal bed

Number is thickness of coal in inches

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Surface opening on coal bed

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Mine shaft to coal bed

This map is preliminary and has not been edited  
or reviewed for conformity with U. S. Geological  
Survey standards.

Geologic map of Russellville West, Arkansas, 1963

Control by USGS, USF&S, and USCE

Topography by photogrammetric methods from aerial  
photographs taken 1958. Field checked 1960-63

Projection: 1927 North American Datum;  
10,000-foot grid based on Arkansas coordinate system; north zone  
100,000-meter Universal Transverse Mercator, zone 18, shown in blue

Red first indicates areas in which only landward buildings are shown

Blue hatching indicates areas to be submerged  
by Dardanelle Reservoir

Fine red dashed lines indicate selected homes and farmsteads where  
generally visible on aerial photographs. This information is uncorrected

GEOLOGIC MAP OF RUSSELLVILLE WEST QUADRANGLE, POPE AND YELL COUNTIES, ARKANSAS

by  
Boyd R. Haley  
U.S. Geological Survey

Prepared in cooperation with Arkansas Geological Commission

Geology mapped in 1963

RUSSELLVILLE WEST, ARK.

N 35° 15' - 35° 30' E

1963

AMS 7554 SW-SERIES 0684