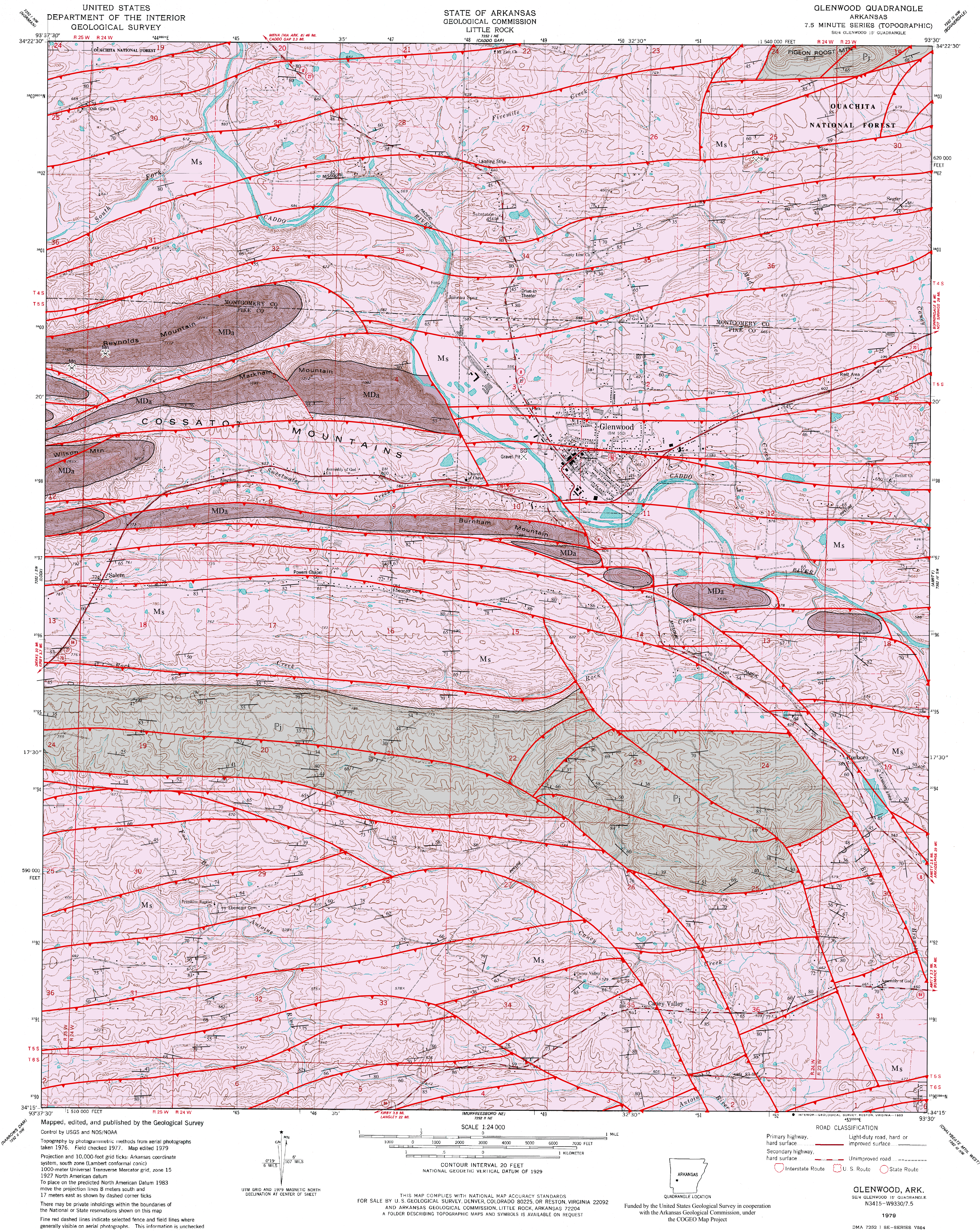


# GEOLOGIC MAP OF THE GLENWOOD QUADRANGLE, CLARK, MONTGOMERY, AND PIKE COUNTIES, ARKANSAS

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1994  
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**Correlation of Map Units**

Pj	Pennsylvanian	PALEOZOIC
Ms	Mississippian	
MDa	Devonian	

**Description of Map Units**

**Pj** **Jackfork Formation (Pennsylvanian)** - The Jackfork is thin to massive-bedded, fine to coarse-grained, brown, tan or bluish-gray quartzitic sandstone with subordinate brown silty sandstones and gray-black shale. Minor conglomerates composed of quartz, chert, and metaquartzite occur notably in the southern exposures of the formation. The Jackfork rests conformably on the Stanley and was deposited in a deep marine environment.

**Ms** **Stanley Formation (Mississippian)** - The Stanley is composed predominantly of grayish-black to brownish-gray shale, with lesser amounts of thin to massive-bedded, fine-grained, gray to brownish-gray feldspathic sandstone and black chert. Weathered shale is olive-gray, and the sandstone is generally more porous and brown. Most of the Stanley is Late Mississippian (Chesterian) as indicated by conodonts and plant fossils. The formation was deposited in a deep marine environment.

**MDa** **Arkansas Novaculite (Mississippian-Devonian)** - Three Divisions of the Arkansas Novaculite are recognized in the state. The Lower Division is white massive-bedded novaculite with some interbedded gray shales near its base. The Middle Division is greenish to dark-gray shales interbedded with many thin beds of dark novaculite. The Upper Division is white, thick-bedded, and often calcareous.

**Symbols**

- Contact
- Thrust Fault
- Tear Fault
- Strike and Dip
- Overtaken Strike and Dip
- Pit
- sg - Sand/Gravel
- Abandoned Mine
- Mn - Manganese
- Reclaimed Mine
- BA - Barite

**References**

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