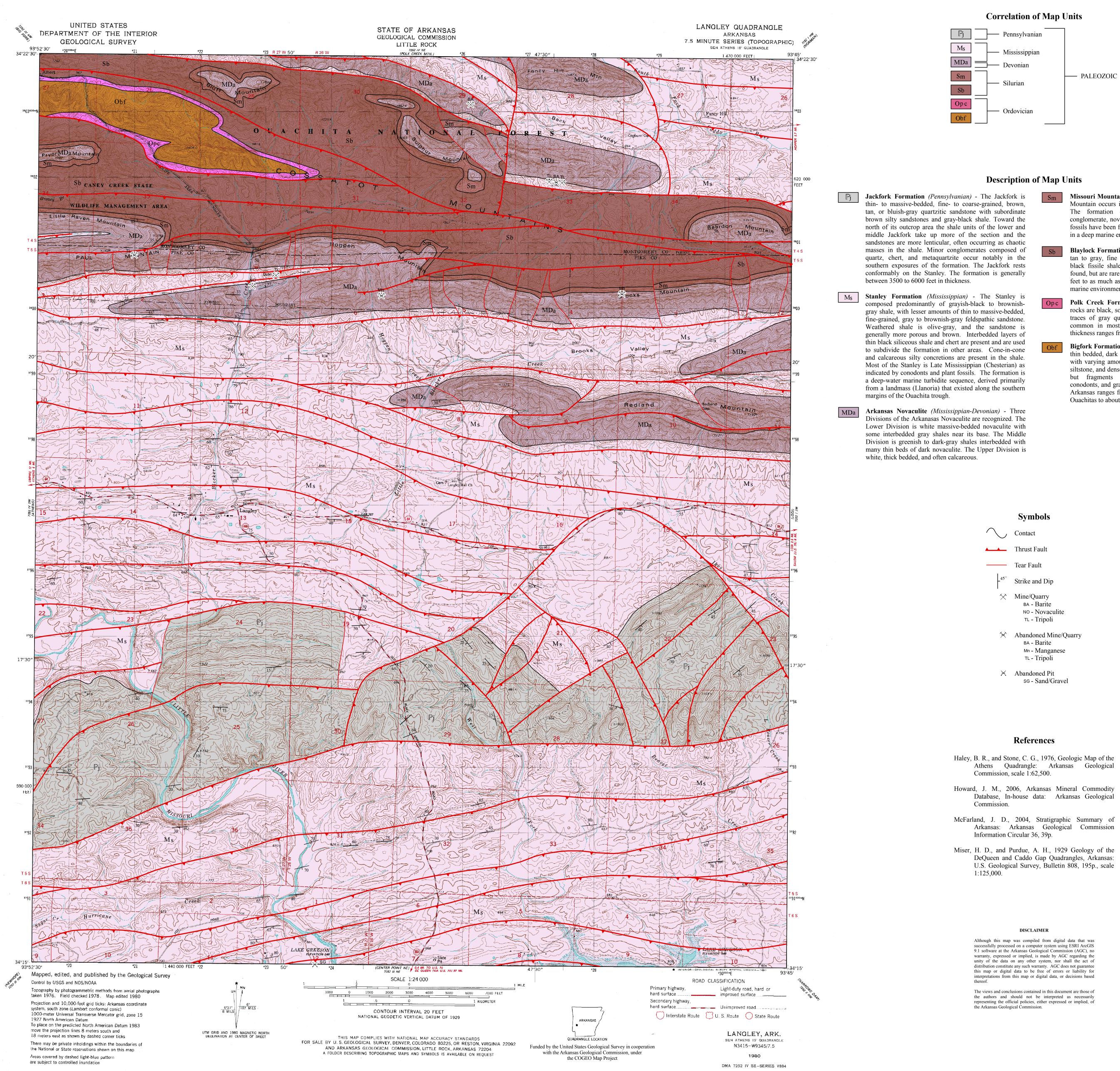
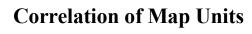
GEOLOGIC MAP OF THE LANGLEY QUADRANGLE, MONTGOMERY AND PIKE COUNTIES, ARKANSAS

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	Missouri Mountain Formation (Silurian) – The Missouri
	Mountain occurs in the west-central Ouachita Mountains.
	The formation consists of shale interbedded with
	conglomerate, novaculite, and sandstone. Few identifiable
	fossils have been found in this unit. The unit was deposited
	in a deep marine environment and is about 300 feet thick.
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	Blaylock Formation (Silurian) - The Blaylock consists of
	tan to gray, fine to medium sandstone interbedded with
	blash figuila shala. Crosstalita and traca faguila may be

black fissile shale. Graptolite and trace fossils may be found, but are rare. The thickness of the unit ranges from 5 feet to as much as 1200 feet, and was deposited in a deep marine environment.

Polk Creek Formation (Ordovician) - The Polk Creek rocks are black, sooty, fissile, shale with minor black chert traces of gray quartzite and limestone. Graptolites are common in most of the shales in the formation. Its thickness ranges from about 50 to about 225 feet.

Bigfork Formation (Ordovician) - The Bigfork consists of thin bedded, dark gray, cryptocrystalline chert interbedded with varying amounts of black siliceous shale, calcareous siltstone, and dense, bluish-gray limestone. Fossils are rare but fragments of brachiopods, crinoids, sponges, conodonts, and graptolites have been reported. The unit in Arkansas ranges from about 450 feet thick in the northern Ouachitas to about 750 feet thick in the southern Ouachitas.

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/	Contact
•	Thrust Fault
-	Tear Fault
2	Strike and Dip
	Mine/Quarry ва - Barite NO - Novaculite ть - Tripoli
	Abandoned Mine/Quar BA - Barite Mn - Manganese TL - Tripoli

