The predominant structural feature in the Skull Creek quadrangle is the Skull Creek Monocline and forms the caprock of Skull Creek Rim. Excellent exposures of Jurassic through Cretaceous rocks form in the Skull Creek quadrangle. Topography forms an ellipsoidal dome that has a large reentrant along the southern border. The Skull Creek Monocline forms a large right-lateral shear zone that has been termed the Wolf Creek Fault. It is the result of the left lateral movement of the Colorado Plateau block relative to the eastern edge of the Basin and Range Province. Dinosaur National Monument总部位于犹他州-科罗拉多州边境，约12英里以南。向东南方向到科罗拉多州的东南角。

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